

## 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 July 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:**

3
3
4
6
7
8
10
16
25

### Spe

cial Features:	
Girl Scouts BIG Event	2
DWTS 2018 Save the Date!	5
Beach Safety: Know Your Flags!	12
2018 DWTS Opening Seminar	14
NOGS Awards Presentation	15
2018 GCAGS-GCSSEPM Convention	18
Washed Ashore: Art to Save the Sea	19
LA Coastal Geology Symposium 2018	20
New Ad Rates	22
The NOGS Store	
Like Us on Facebook!	24
Energy Day	27

### on the cover

### Cover photo from Explore Louisiana website

### Tunica Hills — Louisiana

Tunica Hills is located about 128 miles northwest of New Orleans. The driving time on I-10 is 2-1/2 hours. It is a very beautiful shady place with waterfalls and streams. Climate fluctuations during the Pleistocene time created the area. The interstadial times with warmer water and receding glaciers created a glacial flour consisting of finegrained, silt sized particles of rock. This sediment was transported by the Mississippi River and deposited as hills in the Tunica area. Later water erosion cut through the hills and through fossil deposits from the Miocene, Pliocene, and Pleistocene epochs. Fossil collectors come to find macrofossils of plants and various creatures.

Photo credit: https://explorelouisiana.wordpress. com/2014/03/11/tunica-hills-clark-creek-natural-area/

## From the Editor

Our last luncheon meeting was very successful. The speaker was David Kosmitis and the title of the talk was "The Zama Discovery in Salina del Istomo Basin, Offshore Tobasco: 'New Dawn' for Offshore Mexico Exploration." It was a packed house and the talk was very interesting. I hope you were there. If anyone hears of a good talk please let our vice president, Chris McLindon, know or you can send a note to me, at nogseditor@gmail.com. Please remember to fill out the "Best Speaker" form, located on our website.

In the NOGS LOG on the Contact Information page you can see that there are several NOGS committees that need chairpersons. Please consider volunteering a bit of your time to help our organization. Encourage other geologists to join NOGS. There were several non-members at our last luncheon meeting.

Send any comments or corrections to nogseditor@gmail.com.





PRESIDENT

ALEX JANEVSKI

What is your origin story? We all have one, a reason that we came to study earth science. Maybe your path was direct - you had a parent who was a geologist and set your interests early on. Or maybe you took a winding route, starting in another field, but then you took that one class in college that let you go on field trips and realize, "Hey, I can actually do this for a living."

My own story is a little of both, and largely begins with a high school teacher, Jim Shafer, who loved the science enough that he ensured my small, public high school had a geology class. I went to college as an engineer, but I did not know what an engineer did. I just heard it was the thing to do if you were good at math and science. It didn't take me long to realize I wanted something more out of college, and after some reflection I decided to switch my major to geology, before I had taken a class in the department. I knew I wanted to be a scientist, and I knew which subject I liked most.

I was helped out a little bit on my path by growing up traipsing through muddy streams around southwest Ohio (often ruining my new school shoes), where soft shale layers give way to fossiliferous Middle Ordovician limestones. When Mr. Shafer assigned our class a fossil collecting project, I already knew where to look. John McPhee wrote that "Cincinnati has produced an amazingly long list of American paleontologists...with profuse exceptional fossils in its Ordovician hills..." I didn't know that my neck of the woods was special for anything (I hadn't really been anywhere else). But I suppose that days spent poking sticks at brachiopod shells, running my fingers along the delicate molds they left behind, left an imprint on me. I went to graduate school to study geology with a focus on paleontology, even though I had no idea what graduate school was when I started collecting crinoid columnals.

Science requires researchers and supporters, as I have learned from the volunteers I saw in natural history museums where I studied, and from the

scholarships and grants that paved my way. It also cannot exist without new thoughts and ideas, a pipeline of young blood to fill our pool of knowledge. During an internship with the Cleveland Museum of Natural History, I assisted with a high school mentorship program where two city students came to the museum. I taught them about geology and the fossils we were studying. A few years later I was visiting a prospective graduate school and walking through the halls of the geology department when I ran into one of the students. He was a freshman in college, taking a geology class, and considering it as a major. Before that moment I never knew the impact I could have.

As we move into the new fiscal year with NOGS, I encourage all of you to remember your origin stories, how you arrived at your career, and your influences on the way. And I want you to know your how important you are. Come participate in one of the many outreach activities that NOGS supports throughout the year, often led by our School Outreach committee chair, Tom Bergeon. If you cannot volunteer, then consider supporting NOGS or the Memorial Foundation in the new fiscal year, so that we can continue our missions of supporting future young scientists around New Orleans.

Speaking of which, in the July issue of the NOGS LOG you can see a photo spread for the 2018 NOGS/PLANO/SPWLA Golf Tournament held on May 18th, which raised nearly \$8,000 for our pledge to the new Children's Museums on the North and South Shores. It was a nice day out on the new South Course at City Park, and we would not have been able to do any of it without our generous sponsors and volunteers.

And along the way, be sure not to forget your own continuing education. For some of us this meant attending the Louisiana Coastal Geology Symposium, presented by the Louisiana Geological Survey and NOGS in July. Or it could mean attending the 22nd Annual Gulf of Mexico Deepwater Technical Symposium, which will kick off with the NOGS-sponsored Geoscience Opening Seminar - and geology is where petroleum always starts. Whether you are a student new to geology, or a long-time member who has been around for much of New Orleans Geological time, your impact matters.

Alex Janevski

References

McPhee JA. 1999. *Annals of the Former World*. Farrar, Straus and Giroux, New York, N.Y. p. 297

## SAVE THE DATE!

22nd Annual Gulf of Mexico

## Dee O Water Technical Symposium

**August 27-29** 

2018

New Orleans Downtown Marriott at the Convention Center

www.deepwaternola.org







## 旦



### **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 DIRECT	ORS	Company		Phone	E-mail	
	President	G. Alex Janevski	Shell		504-425-6214	gregory.janevski	@shell.com
	Vice President	Chris McLindon	Upstream Exploration L	LC	504-756-2003		Upstreamexp.com
	Secretary	Shara Gremillion	USM Student		504-554-0319	shara.gremillion	
W	Treasurer	David B. Culpepper	The Culpepper Group, I	LC	985-264-1677	0	culpeppergroup.com
	President-Elect	Robert Rooney	Robert M. Rooney Inc.		504-460-0319	robmrooney@ac	
	Editor	Fran Wiseman	Retired - BOEM		504-615-5170	snowde.fran@gr	
	Director 2019	Jennifer Connolly	Shell		504-425-6411	jennifer.connolly	
	Director 2020	David Reiter	Talos Energy LLC		504-593-3623	david.reiter@tale	
R	Director 2021	Charles W. Holman	Turos Energy EEE		504-975-6735	charleswholman	
	Director 2021	Charles W. Hollman			304 713 0133	charieswhoman	e ochsoddi.net
L	COMMITTEE	CIL. 1					
	COMMITTEE	Chairperson	G to		504 045 0405	1 . 0 1	
E	AAPG Delegates	William M. Whiting	Consultant		504-947-8495	bootscon@aol.co	
	AAPG Student Chapter	Sam B. Shrull	LSU		281-705-3254	sshrul2@lsu.edu	
A	AAPG Student Chapter	Tushar Bishnoi	Tulane University		504 05 <b>0</b> 54 <b>0</b> 5	tbishnoi@tulane	
F. 17	AAPG Student Chapter	Joshua Flathers	UNO		504-952-6437	jrflathe@uno.ed	u
A N	Advertising-Log	TBD					
	Auditing	Chris McLindon	Upstream Exploration L	LC	504-756-2003		Upstreamexp.com
S	Awards	Michael N. Fein			504-717-6465	1feinmn1@cox.	
	Ballot	David B. Culpepper	The Culpepper Group, I	LLC	985-264-1677		culpeppergroup.com
C?	Best Paper	Bay Salmeron	Chevron		832-854-6431	bay.salmeron@c	
G	Entertainment	Robert Rooney	Robert M. Rooney Inc.		504-460-0319	robmrooney@ac	ol.com
	Environmental	TBD					
は	External Affairs	John E. Johnston III	Louisiana Geological St	ırvey	225-931-6622	hammer@lsu.ed	
	Finance and Investment	Margaret McKinney	TGS		504-524-3450	margaret.mckinr	•
	Historical	Edward B. Picou, Jr.	Retired - Shell		504-975-3096	epicou@bellsou	th.net
	Membership/Directory	TBD					
L O	New Geoscientists (NGNO)	Rachel Carter			913-710-8021	r_carter@me.co	
$\bigcirc$	Nominating	Brenda Reilly			504-430-4240	brendaereilly@h	
	Non-Technical Education	Duncan Goldthwaite	Consultant		504-887-4377	DGldthwt@aol.o	
G	Office Operations	Chris McLindon	Upstream Exploration L	LC	504-756-2003		Upstreamexp.com
	Publications Sales	Edward B. Picou, Jr.	Retired - Shell		504-975-3096	epicou@bellsou	
	School Outreach	Thomas C. Bergeon	Upstream Exploration		504-832-3772	tom.bergeon@uj	pstreamexp.com
	Special Projects	TBD					
C A							
	NOGS LOG STAFF						
A	Editor	Fran Wiseman	Retired - BOEM		504-615-1570	snowde.fran@gr	mail.com
	Editor-Elect	Grant Black	Chevron		918-906-4485	gblack@chevror	n.com
L	Auxiliary	NOGA Officers and Directors	NOGA				
	Drill Bits	Al Baker	Beacon Exploration, LL	.C	504-836-2710	ABaker1006@a	ol.com
	Drill Bits	Carlo C. Christina	Retired - C & R Expl. In	nc.		carlocc398@aol	.com
S	Drill Bits	Kevin Trosclair	BOEM		504-202-7997	kevintrosclair@g	gmail.com
	Staff Photographer	Arthur Christensen	Shalimar Consulting		985-893-2013	arthur_shalimar(	@yahoo.com
	Layout / Printing	Kristee Brown	Creative Graphics & Pri	nting, LLC	985-626-5223	kpbrown@bellso	outh.net
	Webmaster	Charles Miller	OCSBBS Website				
C							
\$ 0 C I	NOGS AUXILIARY						
	Officers		Phone	Directors		Year	Phone
	President	Margie Conatser	504-469-2496	Penny Brya	nt	2017-19	504-831-7744
	Vice-President	Camille Yeldell	504-835-7467	Loretto Step		2017-19	504-451-3472
	Secretary	Linda Peirce	504-289-6585	Judy Leman		2018-20	504-393-8659
T	Treasurer	Mary Walther	504-392-9332	Peggy Roge		2018-20	504-392-6323
	Parliamentarian	Alma Dunlap	504-737-2678	55) 106		2010 20	23.272 3323
Y	Member-at-Large	Trudy Corona	504-737-6101				



### **August 6 • NOGS Luncheon**

### **Holiday Inn Downtown Superdome**

\$3.00 validated parking in hotel garage

### Presentation.

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

### Guest Speaker:

### Kirsten Siebach

Dept. of Earth, Environmental, and Planetary Sciences • Rice University • Houston, Texas See page 8 and 9 for Abstract and Biography

### HOLIDAY INN DOWNTOWN SUPERDOME

Check with concierge or front desk for location.
Lunch served at 11:30 am

#### ADMISSION:

### August 27

Geoscience Opening Seminar

22nd Annual Gulf of Mexico Deepwater Technical Symposium N.O. Downtown Marriott Convention Center • New Orleans, Louisiana For more information: www.deepwaternola.org



September 22 Energy Day

11 am - 3 pm • Louisiana Children's Museum For more info, Tom Bergeon at tom.bergeon@upstreamexp.com

### August 28-29

22nd Annual Gulf of Mexico Deepwater Technical Symposium
N.O. Downtown Marriott Convention Center • New Orleans, Louisiana
For more information: www.deepwaternola.org

## September 29 Girl Scouts B.I.G. Event

VOLUNTEERS NEEDED!

9:30 am - 2 pm • University of New Orleans • New Orleans, Louisiana For more info, info@stratigraphyhelp.com or 720-434-3864

### **NOGS CONTACT LIST**

Continued from previous page

### **MEMORIAL FOUNDATION**

BOARD OF TRUSTEES		Company	Phone	E-mail
2018-2019 Chairman	Chris McLindon	Upstream Exploration LLC	504-756-2003	chris.mclindon@Upstreamexp.cor
2018-2019 Secretary	G. Alex Janevski	Shell	504-425-6214	gregory.janevski@shell.com
2018-2019 Trustee	Kelli Hardesty	ERM	504-846-9245	kelli.hardesty@erm.com
2018-2019 Trustee	William M. Whiting	Consultant	504-947-8495	bootscon@aol.com
2019-2020 Trustee	David Reiter	Talos Energy LLC	504-593-3623	david.reiter@talosenergy.com
2019-2020 Trustee	TBD			
2020-2021 Trustee	TBD			

### **AAPG DELEGATES**

TBD

2020-2021 Trustee

Term Ends				
2018	Earl Cumming	Reservoir Frameworks LLC	985-630-6898	earlcumming@bellsouth.net
2018	William M. Whiting	Consultant	504-947-8495	bootscon@aol.com
2018(a)	Dave Balcer			balcer@bellsouth.net
2020	Elizabeth McDade			elizabeth_mcdade@fmi.com
2020(a)	G. Alex Janevski	Shell	504-425-6214	gregory.janevski@shell.com



### **August 6 NOGS Luncheon Presentation**

☆ ☆ ☆ at the Holiday Inn Superdome ☆ ☆ ☆

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

Presented by

### Kirsten Siebach

Dept. of Earth, Environmental, and Planetary Sciences • Rice University Houston, Texas

### **ABSTRACT**

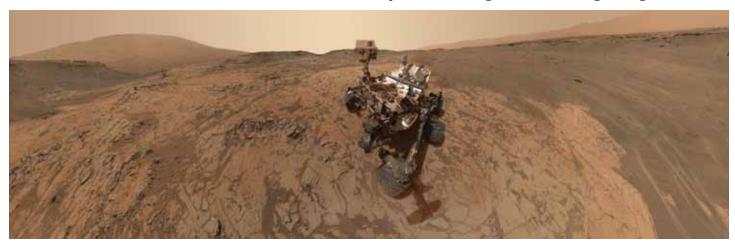
The Mars Science Laboratory rover, Curiosity, landed on the floor of Gale crater, Mars, on August 5, 2012. In the last 5.5 years, Curiosity has traversed over 11 miles (18 km) to explore 1200 ft (370 m) of basin-fill stratigraphy exposed as layered sediments preserved around the craters' central peak, a 16,000 ft (5 km) tall stack of sediments dubbed Mount Sharp.

Along this traverse, Curiosity has not only collected tens of thousands of images of the Martian surface, but has also collected 500,000 laser shot-based chemistry analyses, 600 bulk chemistry analyses, and 15 drilled samples observed with both a mass spectrometer and an x-ray diffractometer, sending the data back to Earth on a daily basis. The instrument suite onboard Curiosity has enabled the highest resolution ever achieved in in-situ imaging of planetary surface samples, the first age date on another planet, ongoing chemostratigraphy based on multiple scales of compositional measurements, and ten robotic Martian selfies.



Simulation of lake in Gale crater [NASA/JPL].

Far beyond the numbers, Curiosity's findings have revolutionized our understanding of Mars. Whereas it was once thought that Mars may have only had intermittent short-lived periods of relatively clement atmospheric conditions, Curiosity has investigated over 300 m of mudstone deposited in a lake of liquid water that would have had habitable conditions for life ~3.5 billion years ago, which seem to have been sustained for at least 3 million years. These lake (and associated fluvial and deltaic) sediments underwent multiple episodes of diagenesis, showing that groundwater



Selfie taken by Curiosity 1941 sols (Martian days) after landing, with sand dunes and Mount Sharp [NASA/JPL/MSSS].

was present for even longer durations. Furthermore, the presence of cemented sedimentary rocks above angular unconformities show that significant fractions of the 152-km-diameter crater were filled with water-cemented sediments and then largely evacuated by wind at least twice prior to ~3 billion years ago.

Curiosity has also shown that early Mars had more igneous diversity than previously predicted, that eolian bedforms with distinct wavelengths form under different atmospheric conditions, and that Mars today has active sand dunes and seasonal variations in atmospheric methane.

Professor Siebach will present the developing story of the history of the Gale crater basin, and the basin analysis work she has done to understand source-to-sink processes by separating chemical effects from source rock diversity, sediment transport, and diagenetic influences for multiple sedimentary cycles.

### **BIOGRAPHY**

**Kirsten Siebach** is an Assistant Professor in the Rice University Department of Earth, Environmental, and Planetary Sciences. Her work focuses on understanding the history of water interacting with sediments on Mars and early Earth through analysis of sedimentary rock textures and chemistry. She is currently a member of the Science and Operations Teams for the Mars Exploration Rovers and the Mars Science Laboratory. Kirsten completed her PhD in Geology



at Caltech with Professor John Grotzinger with a dissertation titled "Formation and Diagenesis of Sedimentary Rocks in Gale Crater, Mars", and then did postdoctoral research in geochemistry of Martian sediments with Professor Scott McLennan at Stony Brook University. Prior to Caltech, she attended Washington University in St. Louis, where she graduated summa cum laude with a B.A. in Earth & Planetary Science and Chemistry.

She is also actively engaged in promoting education and outreach related to Earth and Planetary science and regularly presents at schools and outreach events. Outside of professional interests, she loves travel and photography (on Earth as well as Mars), and enjoys swimming, hiking, and social dancing.



A portion of Mount Sharp, the preserved mound of sedimentary rocks in Gale crater [NASA/JPL/MSSS]

### THE JUNE LUNCHEON RESERVATION DEADLINE IS AUGUST 3.

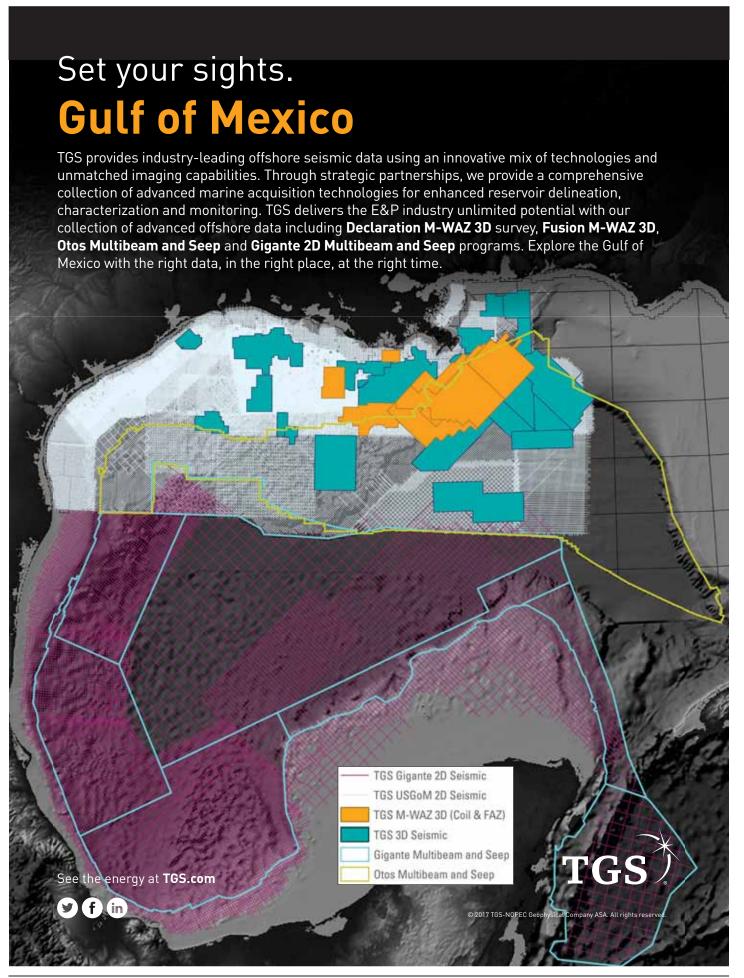
### "And Looking Ahead . . . "

The next luncheon will be held on September 10. Our guest speaker, Dr. Gregory Upton from Louisiana State University, will present "Gulf Coast Energy Outlook." Contact NOGS at admin@nogs.org or use the PayPal link at www.nogs.org to make your reservation.

## CALENDAR OF EVENTS: AUGUST - 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
6 Aug	NOGS Luncheon Presentation "Sedimentary Records from Another World: Exploring Gale Crater Basin with the Curiosity Rover" Speaker: Kirsten Siebach Rice University	Holiday Inn Superdome	admin@nogs.org or 504-561-8980
27-29 Aug	Geoscience Opening Seminar and the 22nd Annual Gulf of Mexico Deepwater Technical Symposium	N.O. Downtown Marriott Convention Center	http://www.deepwaternola.org/
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
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, 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



### **Beach Safety: Know Your Flags!**

Many of us go to the beach during the summer and often see the warning flags out. We're all familiar with red, yellow, and green flags, but most people don't realize there is a purple flag too. This flag signals that there may be dangerous sea life in the water such as jellyfish, stingrays, and (eeeek!) sharks. Whenever you see a purple flag flying, you should proceed with caution. Most of the time, jellyfish are all you have to worry about, but you don't want to accidentally meet a shark face-to-face!

In the case of jellyfish stings, most stings aren't serious. If you're stung, get out of the water and rinse the affected area with vinegar to remove the stingers and ease the burning. Use a mild hydrocortisone cream or an oral antihistamine to relieve itching and swelling. (Yes, I know what you're thinking, but urine is NOT a good idea. It can actually aggravate the stingers still left in your skin to release more venom.) If you do not have any vinegar on hand, gently rubbing the affected area with sand (to remove the stingers) and rinsing the area with warm water also seems to help. Jellyfish can also sting you even when they're dead, so be careful not to step on any that have washed up on the sand.

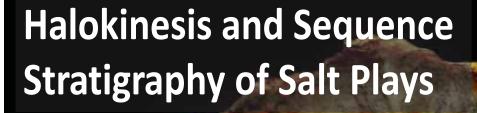












APPLIED STRATIGRAPHIX

www.stratigraphyhelp.com

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 pickand-drop from the airport, and 1-hour long overflight. To register e-mail us:



### 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

22nd Annual Gulf of Mexico

## Dee O Water Technical Symposium





Geoscience Opening Seminar Monday August 27, 2018

Schlumberger

## DEEP WATER EXPLORATION IN A DIGITIZED WORLD





John Dribus and Ravi Chhibber of Schlumberger will lead a guided tour through the future of exploration in a "digitized world", covering a wide range of topics including:

- Data Analytics
- Seismic Data Management
- High Performance Computing
- Seismic Machine Learning (Al Interpretation)
- Drilling Automation
- Digital Communication and Control

The journey into the digital future will look at how the nature of exploration will change and how people, processes and technology will transform into a new way of working.

Registration

\$100 for seminar only pay under NOGS Seminar and Symposiums



### NOGS AWARD PRESENTATIONS

NOGS held its annual awards presentation at the July 9th luncheon meeting. Outgoing editor, Laura Sorey was not present to receive her service plaque (well-deserved for serving two straight years as editor). Special awards were presented to Al Melillo, and Tom Bergeon. NOGS also recognized the family of the late Art Johnson with a Lifetime Achievement Award, in respected and admired memory of a husband, father, servant, leader, colleague, and friend.

Award pictures as well as the pictures for the Louisiana Coastal Geology Symposium were courtesy of Art Christensen. Additional pictures can be found on the NOGS website.





Top: Chris McLindon presents outgoing treasurer Margaret McKinney with a Service Award.

2nd row, left to right: Outgoing Vice President Robert Rooney receives a Service Award. Leslie Brousarrd accepting the President's Award.

3rd row, left to right: Alex Janevski is awarded the President's Award.

Al Melillo receives the Honorary Lifetime Membership award.

Tom Bergeon awarded the Ed Picou Outstanding Service Award.

4th row, left to right: Outgoing Director Brenda Reilly receives a Service Award.

Emily and Alice Johnson accepting a Lifetime Achievement Award for the late Art Johnson. Outgoing President Chris McLindon receives his











### 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 June, the Office of Conservation, Lafayette District, issued a total of 14 permits to drill in the Lafayette District. The following are the most significant and interesting locations:

### **NEW LOCATIONS**

Will-Drill Production Co. has permitted the #1 WX RA SUA;B H TIMBER to 12,000 feet to test Lower Wilcox sands in Sec. 8, 5S-6W in Bundick Creek Field, (A), Beauregard Parish. This well is located approximately 2500 feet southeast of Will-Drill's #1Miller which was completed in a Cockfield sand having 25 feet of net oil. It was completed in February 2015 through perforations 8465 to 8468 and has produced 60,078 barrels of oil and 759,189 MCF gas. It is also located one-half mile west of a well which was drilled in 1956 and found the same sand but was plugged abandoned without testing. (SN 251114)

In Calcasieu Parish, **Holmwood Field**, **(B)**, C6 Operating, will drill the #1 Excalibur Land in Sec. 26, 10S-7W, approximately 1½ miles from nearest production. It will be drilled to a proposed total depth of 11,560 feet to test Cib haz sands. (SN 251068)

Key Operating Company will re-enter a well in **Profit Island Field, (C)**, Pointe Coupee Parish, attempting to establish production in the **Austin Chalk**. The well was drilled by BP AMERICA Production Company in Sec 101, 5S-10E, and completed in December 2005 in a **Lower Tuscaloosa** sand through perforations 19,083 to 19,098. It was later re-completed through perforations 18,990 to 18,996 and 19,083 to 19,098. The well produced less than 1 year and was plugged and abandoned in May 2009. (SN 251104)

In Plaquemines Parish, **Empire Field**, (**D**), Lavaca River Operating Company will drill the #1 UVIG 3 RA SUA; ENCALADE to a proposed total depth of 15,086 feet, (13,134 feet, true vertical depth), to test Uvigerina

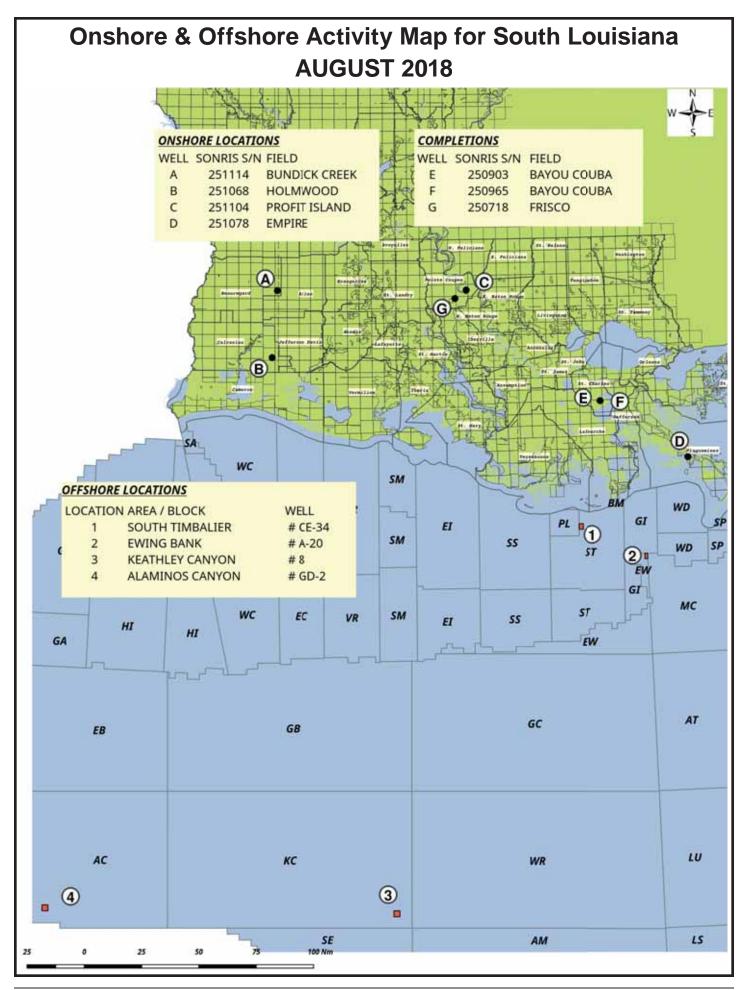
3 sands, which are productive approximately 6 miles to the northeast in East Cox Bay Field. The well will be drilled from a surface location in Sec. 1, 20S-28E, on the west bank of the Mississippi River. The proposed bottom hole is N 34 E 6,606 feet from the surface location in Sec. 17, 19S-16E, on the East bank of the Mississippi River. Note that the well will be spudded on the West bank, and then drilled under the Mississippi river, to a total depth on the East bank. (SN 251078)

### **COMPLETIONS**

In St. Charles Parish, LLOX has completed two wells in **Bayou Couba Field**, (**E**), The #1 EMC Fee was completed as a gas well flowing 2231 MCFD and 96 BCPD through perforations 12,236 to 12,266 in a Cib op sand. The well was drilled in Sec.2, 15S-21E to a depth of 12,505 feet from a surface location in Sec. 34, 14S-21E. (SN 250903)

Also, in **Bayou Couba Field**, (**F**), the #2 EMC was completed as a gas well in a Cib op sand through perforations 13,578 to 13619 feet flowing 2052 MCFD and 75 BCPD. It was drilled to a total depth of 13,852 feet, in Sec.2, 15S-21E. (SN 250965)

In Pointe Coupee Parish, **Frisco Field**, **(G)**, Will-Drill Production Co. drilled the #1 Exxon Fee to a total depth of 12,323 feet and completed it as an oil well in the Upper Wilcox sand. It flowed 20 BOPD through perforations 11,786 to 11,793 and 11,835 to 11,840 feet. The intervals were fracked with 20,000 gallons of treated water, 27,700 gallons of gel and 50,000 pounds of sand. It was drilled in Sec. 5, 6S-9E, offsetting Will-Drill's #1 Smith, which was also fracked, and completed flowing 190 BOPD. (SN 250718)



### OFFSHORE GULF OF MEXICO

### SHELF AND DEEPWATER ACTIVITIES

by Al Baker

During **June 2018**, the **BOEM** approved **87** Gulf of Mexico drilling permits. **Twenty-one** of these were for shelf wells, and **66** were for deepwater wells. Of the total number of permits, there were **4 new well permits**; **2** were issued on the **shelf** and **2** in **deepwater**.

The 2 shelf new well permits were for development wells. **Arena Offshore** was granted a permit for their **South Timbalier 51** #CE-34 well, and **Talos Energy Offshore** received a permit for their **Ewing Bank 306** #**A-20** well.

The 2 deepwater new well permits included an exploration well and a development well. **Anadarko Petroleum** received the exploration well permit for their **Keathley Canyon 919 #8** well. **Shell Offshore** obtained the development well permit for their **Alaminos Canyon #GD-2** well.

On June 29th, **IHS-Petrodata** reported that the Gulf of Mexico mobile offshore rig supply stood at **78**, which is **7 less** than last month and **17 less** than last year. The marketed rig supply consisted of **45** rigs, of which **34** were under contract. The marketed rig supply number was **1 less** than reported last month, and the contracted rig supply was the same as the previous month. The marketed contracted versus total rig supply utilization rate stands at **57.7%**, and the marketed contracted

versus marketed supply utilization rate stands at **75.6%**. By comparison, the June 2017 total fleet utilization rate stood at 34.7% (**versus 43.6% today**) with 33 out of the 95 rigs under contract.

As of June 29th, **BakerHughes** indicated that there were **18** active mobile offshore rigs in the Gulf of Mexico, which is **52.9%** of the rigs under contract mentioned above. This active rigs number is **the same** as reported last month. Of the 18 rigs, **5** are located on the **shelf**, and **13** are situated in **deepwater**. At the same time last year, there were 21 mobile offshore rigs operating in the Gulf of Mexico suggesting that there has been a 14.3% decline in mobile offshore rig activity year over year.

As of June 29th, the **BakerHughes** total U.S. rig count stood at **1047** rigs, which is **12 less** rigs than at the end of May 2018. Of the 1047 rigs, **858** (**81.9%**) are **oil rigs** and **187** (**17.9%**) are **gas rigs**. A year ago, there were 940 rigs working in the U.S. Thus, the current rig figure represents an **11.4%** increase in rigs year over year. **Texas** still has the largest number of rigs with **530**, which is slightly more than half (50.6%) of the total number of rigs in the U.S. **Louisiana** has a total of **55** rigs.

On June 18th, the **BOEM** concluded their evaluation of all the high bids that it received in **OCS Sale 250** on March 21, 2018. A total of **139** bids were deemed **acceptable** out of the 148 bids submitted. **Nine bids** were **rejected** – **1 shelf** bid and **8 deepwater** bids.

There is no recent drilling news of significance to report during the month of June.

### **ENERGY!**



Ready for another round.

September 30 - October 2, 2018 GCAGS2018.org Register Today!

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

Corporate sponsorship opportunities available.

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



Giant aquatic sculptures made from plastic pollution are at the Audubon Aquarium.

### Washed Ashore: Art to Save the Sea

Audubon Aquarium of the Americas

July 27, 2018 - April 30, 2019

This limited-time special exhibition features larger-than-life aquatic animal sculptures crafted from plastic trash collected from beaches. The exhibit is spread throughout the Aquarium and designed to educate a global audience about the threat that plastic pollution poses for the world's oceans and waterways.

Made entirely of debris removed from Pacific Coast beaches, the "Washed Ashore" traveling exhibit offers visitors a powerful, visual reality of the proliferation of pollution in the world's waterways through marine animal representations that use thousands of pieces of plastic in every color of the rainbow. Examples include sculptures of a 10-foot Sea Jelly, a 10-foot-long leaping Marlin, and a 1,500-pound Great White Shark.

Washed Ashore is included with a general admission ticket to Audubon Aquarium of the Americas.

Reprinted with permission by Audubon Aquarium of the Americas

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

Presented by: Louisiana Geological Survey and New Orleans Geological Society

The Louisiana Geological Survey and the New Orleans Geological Society presented the Louisiana Geological Survey Coastal Geology Symposium. It was held at the Dalton J. Woods Auditorium in the Energy, Coast & Environment Building on the LSU campus on July 11 and 12, 2018. There were 97 total attendees representing LSU, UNO, Tulane, ULL, USM, USGS, the U.S. Army Corps of Engineers, the Coastal Protection and Restoration Authority, the Barataria-Terrebonne National Estuary Program, and multiple environmental and engineering firms.

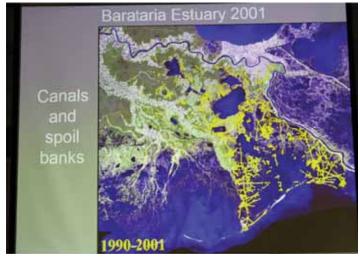
There were 33 oral presentations and 14 poster presentations. There were a wide range of oral presentations covering topics from salt dome dissolution to mass wasting at the Mississippi Delta front to saltwater encroachment at the Baton Rouge aquifer. Members of the Coastal Geohazards Atlas team laid out the foundation for the project in a series of presentations covering each of the major components. There were several presentations by NOGS members including Liz McDade, Mike Merritt, Chris McLindon, John Johnston, John Lopez, and student members Jarrett Levesh, Shara Gremillion and Bobola Akintomide. Feedback from attendees was very positive. This will very likely become an annual event.

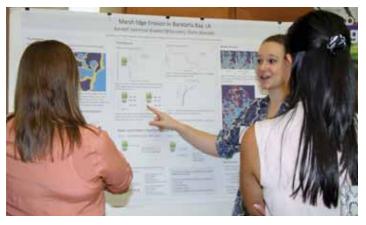






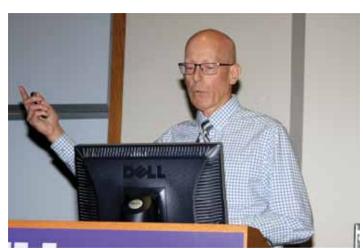


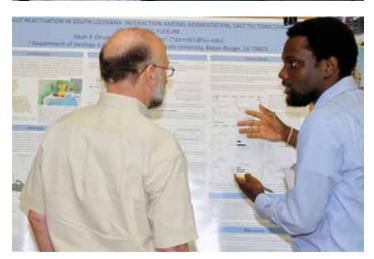




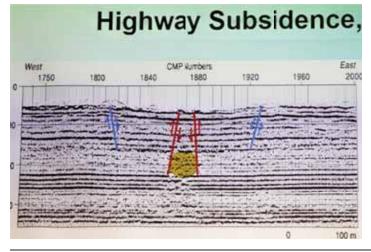














## NOTICE FOR POTENTIAL CANDIDATES TO APPLY FOR VACANCIES ON THE SOUTHEAST LOUISIANA FLOOD PROTECTION AUTHORITY EAST AND WEST LEVEE BOARDS.

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:

- 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.
- 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:

- 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.



2015 Rates

## 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.

Outside Back Cover .....+40%

professional society and presently has a membership of 500.			
AD SIZE	2015 RATE	<b>NEW 2018 RATE!</b>	
Full Page (7.5"x10")	\$3500	\$1750	
Half Page (3.75"x10" or 7.5"x5"	\$1850	<b>\$925</b>	
Quarter Page (3.75"x5" or 7.5"x2.5"	") \$1000	<b>\$500</b>	
Eighth Page (3.75"x2.5")	\$600	\$300	
Twelfth Page (3.75"x1.65")	\$375	<b>\$188</b>	
Note Size (3.75"x.75")	\$120	\$60	
	PREMIUM LOC	CATIONS	
	Inside Front Cover	+30%	
/5()%	Opposite President's Page	+20%	
	Opposite Oral Abstract	+20%	
	Inside Back Cover	+30%	

AUGUST 2018 22 NOGS LOG



## **OFFICIAL NOGS GEAR**

Check out the new NOGS online store for great deals on NOGS branded merchandise like mugs, tote bags, polo shirts, and jackets!

It's a great, easy way to support NOGS!



See http://nogs.org/nogs-merchandise for more info!



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**







**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











### 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. Joseph E. Boudreaux

expense on your IRS tax report.

**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

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

### **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

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

AUGUST 2018 25 NOGS LOG

**ANSYTHE** 

Donald I. Andrews 504-887-3432



James S. Classen

### **CLASSEN & CO. LLC**

6417 Plantation Lane • Boise, ID 83703

### THE BOEBEL COMPANY

Oil and Gas Investments

### D-O-R ENGINEERING, INC.

3-D and Geoscience Services

6161 Perkins Rd. (504) 866-4313 P.O. Box 80812

Bus: (225) 765-1914 Baton Rouge, LA 70898

### **BOO-KER OIL & GAS CORP.**

**Gray S. Parker** 

826 Union, Suite 300 New Orleans, LA 70112 Bus. (504) 581-2430 Fax (504) 566-4785

### EDWARD B. PICOU, JR.

**Shell - Retired** 

504-975-3096

**C & R EXPLORATION, INC.** 

Carlo C. Christina

New Orleans, LA 70153

Lawrence G. Ringham



**E**NVIRONMENTAL

**GEM Consulting, LTD** 

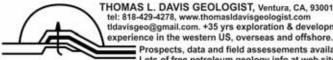
**Emmitt Lockard** emlockard@yahoo.com

**Michael Louis Merritt** admin@gemconsultingltd.com



### Thanks Our Sponsors for Their Support!

\$2,500



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 assessements 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

### DIVERSIFIED Diversified Well Logging

### SIPES

Society of Independent Professional **Earth Scientists** 



New Orleans Chapter

Eric Broadbridge - eric@northcoastoil.com 504-884-0049 www.sipesneworleans.org





1080 West Causeway Approach Mandeville, Louisiana 70471 (985) 951-2011

www.labayexploration.com



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.





# 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!