

NOGS LOG

SEPTEMBER 2017

Volume 58, Number 3

SEPTEMBER 11 - NOGS LUNCHEON
Presentation: The Geologic History of Mississippi
Guest Speaker: Dr. Stan Galicki
Millsaps College • Jackson, Mississippi





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

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ON THE COVER

Cover Photo: NOAA GOES East Satellite

Hurricane Harvey — Gulf of Mexico, Texas Coastline

This month's cover photo Hurricane Harvey comes from NASA's coverage of the progression of the storm. Taken from NOAA's GOES East satellite on August 25, the image clearly shows the well-developed eye of the storm as the system approached landfall on the Texas coast. Making landfall at Rockport, TX as a Category 4 hurricane, Harvey wreaked havoc and devastation across Texas and parts of Louisiana. As of this today, we remain unable to fully account for the lives lost, property destroyed, and long-term impacts of this natural disaster.



9-11-01
We will never forget!

From the Editor

One of the stranger turns in my career came last fall when I was selected as a contestant for the NPR quiz show "Wait, Wait, Don't Tell Me." I learned several valuable things through this experience 1) you can get on NPR if you make fun of engineers in your submission 2) when only two geologists in this city share the name "Laura" and a Mississippi accent, they're easily mistaken for one another on the radio 3) NPR radio hosts apparently find it unusual/comical that New Orleans geologists care so much about mud. But mud and sand are very much the name of the game for Louisiana geology. Whether you investigate deposition patterns of levee crevasses, reservoir connectivity of an oil bearing sand, or contamination plumes for underground storage tanks, New Orleans geologists care a great deal about mud. The public should care about it too, but first we have to tell them about it. Upcoming events like the NOGS Fall Kick-Off party, LCM Energy Day, STEM FEST, and the AGU annual meeting are important opportunities for you to become involved in public outreach and education. After all, geologic knowledge is only useful if you can communicate it to others.

Laura
Laura Sorey, Editor



Contact:
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2017 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.

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| Eighth Page (3.75"x2.5") | \$600 | \$300 |
| Twelfth Page (3.75"x1.65") | \$375 | \$188 |
| Note Size (3.75"x.75") | \$120 | \$60 |



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| | |
|--------------------------------|------|
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FROM THE PRESIDENT CHRIS McLINDON

The NOGS family is deeply saddened by the loss of one of our outstanding members. Art Johnson passed away on the morning of August 9. His passing leaves a hole in our organization, and in the broader community of professional geologists, that will not be easy to fill. He left us, however, with a working model of how to go about trying to fill that hole. Art took on life with what seemed to be boundless enthusiasm. He had an amazing sense of generosity that spanned not only his time and energy, but also an intellectual generosity. He was willing to freely share his own ideas and knowledge; he was also willing to understand and consider the ideas of others. Art also appreciated the importance of maintaining the highest levels of academic rigor and ethical standards in a discipline that is often characterized as being a "soft science."

Art was an active member of NOGS since 1977, the year he joined Gulf Oil Company. He received the NOGS 2004-2005 Distinguished Service Award in recognition of his contributions as the Co-Chairman of the Continuing Education Committee (2002-2005) and the Chairman of the Membership Committee (2003-2005). He also served as the President of the Society for the 2007-2008 term and then as Chairman of the NOGS Memorial Foundation. He was an active member on the GCAGS Imperial Barrel Award Committee, which in 2009 successfully raised a surplus of industry funding to support graduate student teams from five Gulf Coast universities. Art served as the Publicity Chairman for the 55th Annual GCAGS Convention that was scheduled in New Orleans but was disrupted by Hurricane Katrina. He then served as the General Chairman of the 2013 GCAGS Convention. Art was also a member of the American Association of Petroleum Geologists (AAPG), the Society of Independent Professional Earth Scientists (SIPES), the Society of Exploration Geophysicists (SEG), the Society of Economic Paleontologists and Mineralogists (SEPM), the American Geophysical Union (AGU), the Geological Society of America (GSA), the Houston Geological Society (HGS), and the Southeastern Geophysical Society (SGS). He was also a founding and continuing member on the Louisiana Board of Professional Geoscientists.

Art continued his career with Chevron after the merger with Gulf Oil. He became Division Geologist for the Gulf of

Mexico and then New Trends Team Leader, which led him to study natural gas hydrates as a potential new source of energy. This in turn led to a new career in the field of gas hydrates. Art served as an advisor on energy issues to the U.S. Congress and White House beginning in 1997. He was also an adjunct research professor at Tulane University and played an ongoing role in coordinating the research efforts of industry, universities and government agencies. Upon his retirement from Chevron in 2001, Art formed Hydrate Energy International, LLC (HEI), where he was President and Chief of Exploration. He was a member of the Department of Energy Methane Hydrate Advisory Committee for which he served as Chairman from 2001 to 2006. Art served as the Gas Hydrate Lead Analyst for the "Global Energy Assessment", an international project undertaken by the International Institute for Applied Systems Analysis (IIASA) of Vienna, Austria, and supported by the World Bank, UN organizations, and national governments. He was Chair of the Gas Hydrate Committee of the Energy Minerals Division of the AAPG, was Co-convener for the 2004 AAPG Hedberg Research Conference on Gas Hydrates, and Member of the JOIDES, Program Planning Group, 1998-1999.

Art has written over 100 papers and articles, as well as several books including *Exploration and Production of Oceanic Natural Gas Hydrate*, *Economic Geology of Natural Gas Hydrate*, *Alternative Energy and Fuels Technology*, and *AAPG Memoir 89: Natural Gas Hydrates*. He made numerous technical presentations to local professional societies including NOGS, SIPES, SGS, the American Petroleum Institute (API), the American Association of Drilling Engineers (AADE), and the Gulf of Mexico Deepwater Symposium, where he also worked tirelessly as a technical program coordinator. Art also took his presentation skills to the local school system and the Vacation Bible School at his own Munholland United Methodist Church. He was known to use the USGS "Tapestry of Time and Terrain" Map as a teaching tool for K-12 students.

On a personal note, I was struck by my last conversation with Art Johnson at the August 7 NOGS Luncheon just two days before his death. At the end of the luncheon Art was talking to UNO grad student Jarrett Levesh and me about the upcoming technical session at the Deepwater Symposium. He was convincing Jarrett to attend the NOGS Geoscience Seminar. Art's energy and enthusiasm reminded me exactly of a presentation I had seen him make at Gulf Oil in 1982. With all of five years of experience, Art was selling the Vice President of Exploration on an offshore lease sale prospect, telling him "this is the best prospect I have seen in my career." I think it was that enthusiasm that carried Art throughout his career and made him beloved to so many people. We would all do well to follow Art's lead.

Chris McLindon



NOGS Office

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Phone: 504-561-8980 • Email: info@nogs.org • Website: www.nogs.org

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

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September 11 • NOGS Luncheon

Holiday Inn Downtown Superdome

\$3.00 validated parking in hotel garage

Presentation:

The Geologic History of Mississippi

Guest Speaker:

Dr. Stan Galicki

Millsaps College • Jackson, Mississippi

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 16

Louisiana Children's Museum Energy Day

Louisiana Children's Museum • New Orleans, LA

For more info: tom.bergeon@upstreamexp.com or 504-832-3772

October 2

NOGS Luncheon

Holiday Inn Downtown Superdome • New Orleans, Louisiana

For more info: annette@nogs.org or 504-561-8980

September 30

STEM FEST

Oschner Sports Performance Center • Metairie, Louisiana

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October 7

NOGS Fall Kick Off Party

Rock-N-Bowl • 4:30-7:00 • 3000 S. Carrollton Ave., New Orleans, LA

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**VOLUNTEERS
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Sept 11 NOGS Luncheon Presentation

☆☆☆ at the Holiday Inn Superdome ☆☆☆

The Geologic History of Mississippi

Presented by

Dr. Stan Galicki

Millsaps College • Jackson, Mississippi



ABSTRACT

The dynamic geologic history of Mississippi is certainly not reflected in either the surface topography or outcrops across the state. What weathering and vegetation do not obscure, the Mississippi Department of Transportation does. Over the past billion years Mississippi has been torn apart, smashed together, eroded, torn apart again, inundated and buried, and finally uplifted and eroded. This presentation covers the geologic history of Mississippi and highlights some of the most notable geologic features that can be seen by the casual observer.

BIOGRAPHY

Stan Galicki is a Professor of Geology at Millsaps College. He came to Millsaps following eight years in petroleum exploration with Unocal. His research interests include wetland biogeochemistry, paleoenvironmental interpretation, and dendrochronology. Dr. Galicki does product testing and development of oil spill sorbent materials and stormwater remediation filters in the Millsaps College Sorbent and Environmental Laboratory. Dr. Galicki also has interests in sustainable design. He routinely incorporates sustainable design into personal projects and also designed and managed the construction of wastewater treatment wetlands for the Kaxil Kiuic Center for Living and Research in Yucatán, Mexico.

THE AUGUST LUNCHEON RESERVATION DEADLINE IS SEPTEMBER 8.

CONTACT THE NOGS OFFICE

"And Looking Ahead . . ."

The next luncheon will be held on October 2. Our guest speaker will be Toby Roesler of Stone Energy. Contact the NOGS office at 504-561-8980 or use the PayPal link at www.nogs.org to make your reservation.



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CALENDAR OF EVENTS: SEPTEMBER — OCTOBER 2017

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

| 2017 | EVENT | LOCATION | CONTACT / INFO |
|---------|--|---|---|
| 11 Sept | NOGS Luncheon Speaker: Dr. Stan Galicki "The Geologic History of Mississippi" | Holiday Inn Superdome | annette@nogs.org or 504-561-8980 |
| 15 Sept | Tulane Seminar Series Topic: TBA - Dr. Karen Luttrell, LSU | Tulane University Boggs Center: Room 243 Noon | http://www2.tulane.edu/sse/eens/ events-and-seminars/seminars/ index.cfm |
| 15 Sept | LSU G&G Lecture Series Topic: TBA - Dr. Juan Lorenzo | LSU Baton Rouge E137 Howe-Russell-Kniffen 3:30 pm | http://www.lsu.edu/science/geology/ seminars/item72050.php |
| 16 Sept | Louisiana Children's Museum Energy Day | Louisiana Children's Museum | tom.bergeon@upstreamexp.com or 504-832-3772 |
| 22 Sept | API-Delta Golf Tournament Registration: 7 am • Tee Off: 8 am | Covington Country Club Covington, LA | www.api-delta.org |
| 22 Sept | LSU G&G Lecture Series "GICE GICE Baby - But Was There Ice?" Dr. Achim Hermann | LSU Baton Rouge E137 Howe-Russell-Kniffen 3:30 pm | http://www.lsu.edu/science/geology/ seminars/item72050.php |
| 22 Sept | Tulane Seminar Series "Ice Radar Stuff" Dr. Seth Campbell, University of Washington | Tulane University Boggs Center: Room 243 Noon | http://www2.tulane.edu/sse/eens/ events-and-seminars/seminars/ index.cfm |
| 29 Sept | Tulane Seminar Series "Prob Geomorph-Human Landscape Interactions in China" Dr. Amanda Schmidt, Oberlin University | Tulane University Boggs Center: Room 243 Noon | http://www2.tulane.edu/sse/eens/ events-and-seminars/seminars/ index.cfm |
| 29 Sept | LSU G&G Lecture Series "Seismology in Alaska: Earthquakes, Bears, and High-Performance Computing" Dr. Carl Tape, University of Alaska Fairbanks | LSU Baton Rouge E137 Howe-Russell-Kniffen 3:30 pm | http://www.lsu.edu/science/geology/ seminars/item72050.php |
| 30 Sept | STEM FEST Event | Oschner Sports Performance Center 5800 Airline Dr, Metairie | tom.bergeon@upstreamexp.com or 504-832-3772 |
| 2 Oct | NOGS Luncheon Speaker: Toby Roesler "Great White Field: A Near Perfect Petroleum System in the Perdido Fold-belt, Gulf of Mexico" | Holiday Inn Superdome | annette@nogs.org or 504-561-8980 |
| 7 Oct | NOGS Fall Kick Off Party | Rock-n-Bowl • 4:30-7:00 3000 S. Carrollton Ave. New Orleans | annette@nogs.org or 504-561-8980 |
| 13 Oct | New Orleans Gem and Mineral Show | Alario Center Westwego, LA | www.facebook.com/GemAnd- MineralSocietyOfLouisiana |
| 21 Oct | Girl Scouts B.I.G. (Believe in Girls) | University of N.O. (UNO) New Orleans, LA | tom.bergeon@upstreamexp.com or 504-832-3772 |



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Art Johnson Memorial

by Laura Sorey

The finest people tend to be those who are worth more than the sum of their individual accomplishments. Which is really saying something in the case of Arthur Johnson. His official biography enumerates nearly 40 years of scientific and professional milestones, and the expanse of his technical expertise and accomplishments are truly something to marvel at. But when I recently received news of Art's unexpected passing, I'll admit that I didn't really think about those things. Instead I remembered how he led by example and demonstrated that the best scientists are often those whose professional drive is tempered with personal empathy and whose technical excellence is underlain by a dedication to sharing that knowledge with others.

Because Art, like the good United Methodist he was, adhered to the Wesleyan sentiment to, "Do all the good you can. By all the means you can. In all the ways you can. In all the places you can. At all the times you can. To all the people you can. As long as ever you can." So while Art's professional accolades were certainly hard earned and well deserved, his dedication to family, his faith, and the service of others stands out above anything that could be listed on a CV.

I remember first meeting Art when he gave an enthusiastic guest lecture at Millsaps College while I was still in undergrad and how unenthusiastic my non-geology major friends were when I regaled them with facts about gas hydrates for several days thereafter. I remember reconnecting with him after I moved to New

Orleans and his excitement at introducing me to his wife Alice at a NOGS holiday party or sharing updates about his daughter Emily and her postgraduate adventures. I remember the empathy and encouragement he offered me when I was laid off and began to doubt myself and my future as a geologist. I remember his presence at every NOGS volunteer and outreach event and his unflagging determination to share his love of science and education with others.


I can only imagine what else those who knew Art better or longer might remember, but I know that most anything we could recount pales in comparison to the man himself. So above all else, I remember him as a friend and mentor who mattered so much to so many people.



NOGS needs volunteers to man demonstration tables to help teach young students from across New Orleans about geology and the oil industry. For more information, please contact Tom Bergeon at tom.bergeon@upstreamexp.com.

COMMUNITY STEM FEST

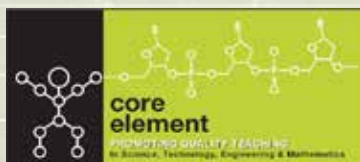
with the New Orleans Pelicans and Saints

 Ochsner Sports Performance Center

5800 Airline Drive • Metairie, LA 70003

Saturday, September 30th

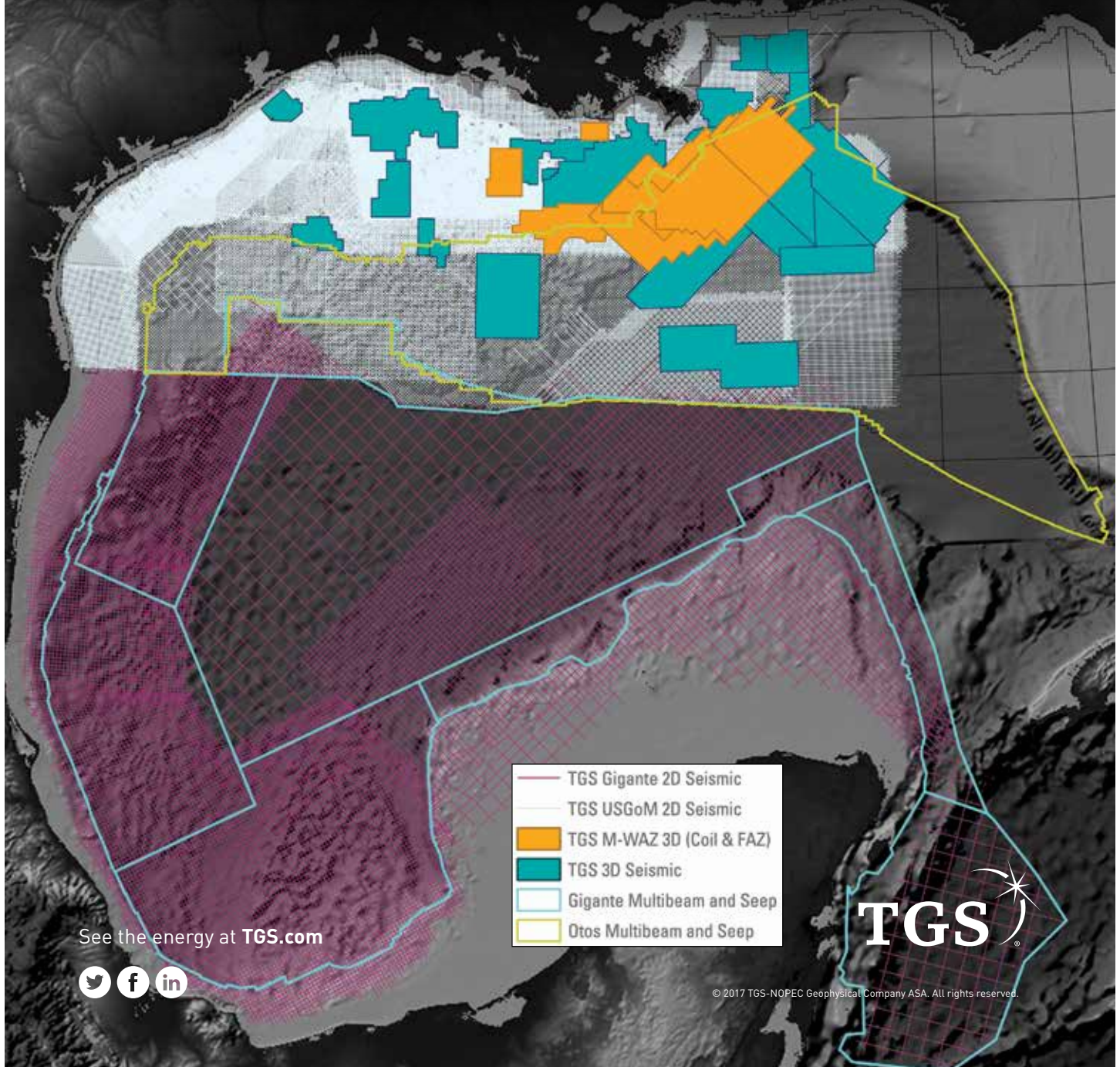
10:00 AM—2:00 PM



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.



South Louisiana and Offshore Gulf of Mexico Exploration and Production Activities

LAFAYETTE DISTRICT, ONSHORE AREA

By Kevin J. Trosclair and Carlo C. Christina

The Baker-Hughes United States rig count for the week of July 28 was 958 rigs, up 15 rigs from the prior month. Rig activity in the U.S. has steadily increased over the past 16 months. The Louisiana rig count (not including the OCS) averaged 48 rigs for the month of June.

| | |
|-----------------------------|----|
| North Louisiana Rigs: | 43 |
| South Louisiana Rigs: | 5 |
| Land | 3 |
| Inland Waters | 2 |

During the month of July the Office of Conservation, Lafayette District, issued 10 permits to drill for oil and gas. Following are the wells of interest.

NEW LOCATIONS

In Beauregard Parish, **Hurricane Creek Field, (A)**, ETOCO, L.P. will drill an interesting well in Sec. 26, 5S- 8W. The #1 Doornbos, SN 250386, is located 1½ miles northeast of current production in the field. It is also located **within 600 feet** of an old well, SN 35424, which was completed in 1948 **and produced for 55 years**. This well was drilled to a total depth of 8460 feet and was completed in an **Upper Cockfield sand** through perforations 8290 to 8301 feet. The #1 Doornbos will be drilled to a depth of 9500 feet, 1,000 feet deeper than the old well, to test **Lower Cockfield sands**.

Hurricane Creek Field was discovered in 1948 and more than 90 wells have been drilled in the field. The productive limits of the field extend more than 9 miles in a northeast-southwest direction. Currently, 10 wells are producing more than 10,000 barrels of oil a year.

Interstate Explorations will drill its #2 Five Star Royalty Partners, SN 250360, in **Bayou Sorrel Field, (B)**, Iberville Parish, in Sec. 98, 10S-10E. It will be drilled to a depth of 12,075 feet at a location 894 feet from the #1 Five Star Royalty Partners, which had been permitted to 12,000 feet. It was drilled only to 11,107 feet after losing tools in the hole. Casing was set at that depth and the well was perforated from 10,735 to 10,745. It is testing.

In Cameron Parish, **Chalkley Field, (C)**, Hilcorp Energy will drill its #14 Sweet Lake Land to test Camerina sands at a depth of 13,142 feet. It will be drilled in Sec. 14, 12S-7W, offsetting the #13 Sweet Lake well which had

been completed as a gas well through perforations 12,938 to 13,034 feet, flowing 5840 MCFG and 560 BCPD. The well went off production after flowing only 5 months.

COMPLETIONS

LLOX has completed its #1 Simoneaux Family, SN 250321, in **Boutte Field, (D)**, St. Charles Parish as a gas well flowing 2025 MCF and 25 BOPD in the Cib op sand through perforations 12,554 to 12,600 feet, overall. The well was drilled to a total depth of 12,827 feet in Sec. 1, 15S-20E. Although the well was permitted in Boutte Field it is located 2 miles south of production in the field, and is also located 1 mile north of production in Bayou Des Allemands Field.

In Avoyelles Parish, **North Bayou Jack Field, (E)**, Sentry Energy Services has drilled the #1 Eagles Ranch 14 H, SN 250209, to a total depth of 20,662 feet to test the Austin Chalk in a horizontal hole measuring 5,208 feet. As previously reported, this well is located on the southwest flank of the field, in Sec. 14, 2S-4E.

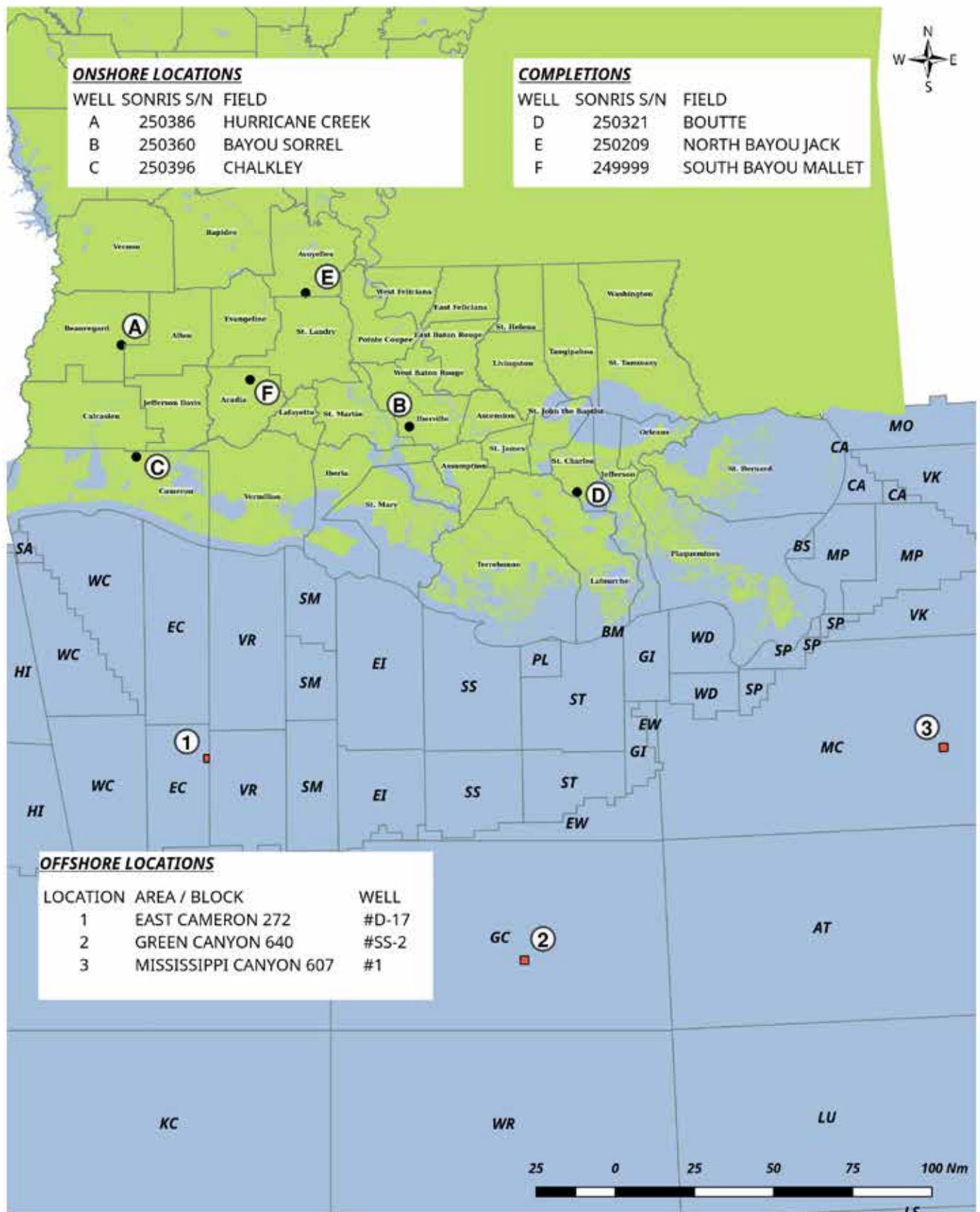
Sentry has received approval to perforate and frack the interval 16,275 to 20,563 feet. A successful completion at this location could possibly set off new activity in the Austin Chalk.

In Acadia Parish, **South Bayou Mallet Field, (F)**, LLOX has completed its #1 Anne Bellard Legg, SN 249999, as an oil well flowing 69 BOPD and 4238 MCF through perforations 11,326 to 396, overall. The well was drilled to a total depth of 11,609 feet in Sec. 27, 7S-1E.



Onshore & Offshore Activity Map for South Louisiana

SEPTEMBER 2017



OFFSHORE GULF OF MEXICO

SHELF AND DEEPWATER ACTIVITIES

by Al Baker

During **July 2017**, the **BOEM** approved **81** Gulf of Mexico drilling permits. Of these, **25** were for shelf wells, and **56** were for deepwater wells. Of the total number of permits, there were **3 new well permits**. **Two** permits were issued in **deepwater**, and **one** permit was awarded on the **shelf**.

The one new well permit on the shelf was for a **development well**; it was issued to **GOMEX Energy Offshore** for their **East Cameron 272 #D-17** well.

The two deepwater new well permits were for **exploration wells**. Both were issued to **Chevron U.S.A.** for their **Green Canyon 640 #SS-2** and their **Mississippi Canyon 607 #1** wells.


On July 28th, **IHS-Petrodata** reported that the Gulf of Mexico mobile offshore rig supply stood at **95**, which is the same as last month. The marketed rig supply consisted of **52** rigs, of which **33** were under contract. The marketed rig supply number and the contracted rig

supply number are also the same as last month. The marketed contracted versus total rig supply utilization rate remains at **34.7%**, and the marketed contracted versus marketed supply utilization rate continues at **63.5%**. By comparison, the July 2016 total fleet utilization rate stood at 48.6% (versus 54.7% today) with 53 out of the 109 rigs under contract

As of July 28th, **BakerHughes** indicated that there were **23** active mobile offshore rigs in the Gulf of Mexico, which is **69.7%** of the rigs under contract mentioned above. This active rigs number is **2** more than reported last month. Of the 23 rigs, **6** are located on the **shelf**, and **17** are situated in **deepwater**.

As of June 28th, the **BakerHughes** total U.S. rig count stood at **958** rigs **down 50.4%** from the September 26, 2014 high of **1931** rigs, but up **554** rigs or **137%** from the May 20, 2016 low of **404** rigs. Of the current 958 rigs, **766** are **oil rigs** and **192** are **gas rigs**. Texas still has the largest number of rigs with 462, which is slightly less than half (48.2%) of the total number of rigs in the U. S.

No significant news was reported in the U.S. Gulf of Mexico during the month of July



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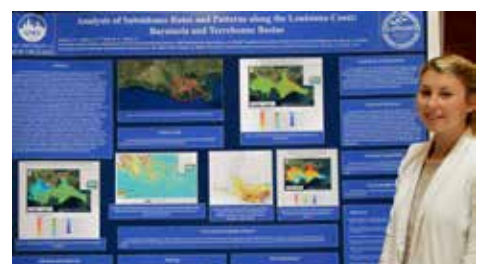
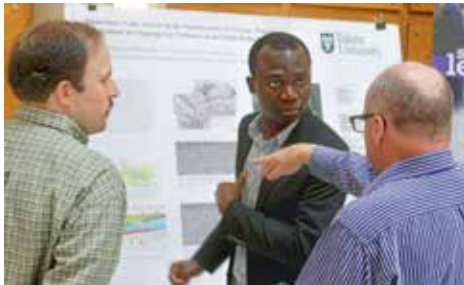
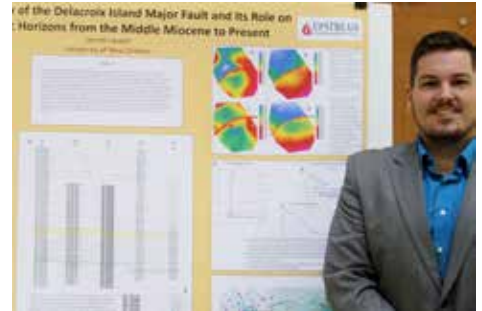
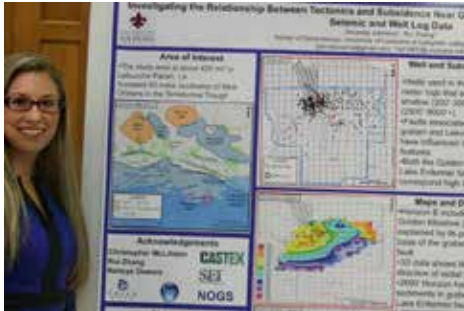
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Louisiana Coastal Geology Framework Symposium

On July 26, the Louisiana Geological Survey hosted the inaugural Louisiana Coastal Geology Framework Symposium at LSU's Energy, Coast and Environment Building.

The symposium drew attendees from academia, industry, government, and non-profit organizations to learn about wide-range of coastal Louisiana's geological framework, featuring some new interpretations.

NOGS was well-represented by speakers like **Nancye Dawers**, **Chris McLindon**, **Rick McCulloh**, and **Elizabeth McDade** as well as many attendees.



Bernie Hill Memorial

by Al Melillo

Bernard Louis Hill, Jr., Bernie to his friends and colleagues, passed away July 15 in his home in River Ridge at the age of 92. During World War II he served on a submarine tender in the Pacific, but like many of his generation Bernie did not talk much about his experiences during the war. After being honorably discharged from the Navy, Bernie enrolled at Washington University in his hometown of St. Louis. He earned both bachelors and masters degrees in geology and was a member of Sigma Xi. Even though Bernie's specialization was in micropaleontology, he had a very strong background in stratigraphy and geologic mapping.

Bernie began his petroleum career as a biostratigrapher with the California Company in New Orleans in 1952. He was transferred to Lafayette in 1962 and returned to New Orleans in 1972. Bernie wrote his master's thesis on small freshwater relatives of insects called ostracodes. These fossils were of somewhat limited use in the biostratigraphy of the Gulf Coast, so, as was typical of Bernie, he became an expert in what was more widely used here, single-celled organisms called forams. This willingness to adapt and use new ideas and techniques to solve geologic problems was one of the traits that made Bernie so successful throughout his career. He became an expert on Tertiary foraminifera and mentored numerous younger biostratigraphers. I had the good fortune to be one of those young biostratigraphers and will be forever grateful for the selfless way in which Bernie shared his accumulated knowledge. Bernie understood the necessity of a strong technical background and was sure that I learned my Gulf Coast forams well; however, he also knew that everyone applied their skills to problem-solving in their unique way and he never stood in the way of that. Bernie was a very supportive supervisor, but he expected results from all those he supervised. His work ethic was excellent, typical of the members of the "Greatest Generation." Bernie was very well-respected by the geologists and geophysicists who used the biostratigraphic reports, maps, and charts he generated. This was in part because of the high quality of his interpretations, but

also because he understood the need to talk to them in geological terms not the sometimes confusing Latin-based language of biostratigraphy.

Bernie started his career before the era of political correctness. Thus, he had a never-ending supply of stories about the pranks he and his co-workers would pull on each other. My favorite story illustrated the lengths to which he would go to do something well. A co-worker went out of town for a week of vacation. Bernie went into the co-worker's office and rigged up a wooden match, a piece of sandpaper, and a firecracker inside his desk drawer so that when the drawer was opened the match moved across the sandpaper, ignited, and then touched a very short fuse attached to a firecracker. The following Monday, about ten minutes after the co-worker returned to the office, a loud bang was heard. Success! A few days later, Bernie lit up his pipe and got the most foul taste imaginable from it. Rather than giving "firecracker man" the satisfaction of knowing his retaliation was successful, Bernie smoked the entire pipe and never let on that anything was wrong.

Bernie's interests were many, but his greatest were probably music and military history. Classical to rock 'n roll, he loved all music. He attended many concerts - from Neil Diamond to The Rolling Stones. His daughter, Patricia, told how as a teenager she would have to tell her father to turn the music down at night so she could do her homework. Bernie's knowledge of military history was also encyclopedic. He seemingly read every book written on famous and not-so-famous battles, especially those involving Napoleon.

Bernie was a member of NOGS since moving to New Orleans in 1972. He retired from Chevron in New Orleans in 1992 as a Biostratigraphic Consultant after 40 years of distinguished service. Bernie leaves behind his wife of 67 years, NOGA member Dorothy Jean Donovan Hill, three children, Patricia Hill Wilton (Thomas), Douglas Hill (Lisa), and Matthew Hill (Lynne), seven grandchildren and two great-grandchildren. He will be greatly missed by all who knew him.



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| \$450 | NON-MEMBER PROFESSIONAL On-site (after Sept. 29) |
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TECHNICAL SESSIONS

Deep Water Symposium

Basin Evolution and Drivers of Deep Water Sedimentation
Reservoir Architecture and Reservoir Quality from Outcrops to Producing Fields
Innovative Methods and Techniques
Petroleum Systems

Austin Chalk and Eagle Ford Formations

Resource Play Evaluation - Eagle Ford
Cretaceous Carbonate Reservoirs: Austin Chalk, Edwards, Buda and Georgetown

Gulf Coast Fields and Reservoirs

Jurassic Gulf Coast Fields and Reservoirs

Water Resources and Gulf Coast Sedimentology

Water Resource Protection
Gulf Coast Sedimentology

Reservoirs and Field Analogs

Gulf Coast Fields and Analogs from Other Plays

Workflow in Conventional and Unconventional Reservoirs

Geophysical, Classification and Management Processes for the Geologist

See www.gcags2017.org for the full schedule
and titles of oral and poster presentations.

FIELD TRIPS

Canyon Lake Gorge: Cretaceous Glen Rose (Wed., Nov. 1)

The "Canyon Lake Gorge" Field Trip will provide access to excellent exposures of the Cretaceous Glen Rose Formation at the recently (2002) exposed area below the Spillway at Canyon Lake. It will feature the Stratigraphic, Structural, and Aquifer Characteristics of this exposure. Trip Leader: Lyle Baile, David Ferrill & Tom Fett

Upper Cretaceous Sands of the Eagle Pass Area (Fri.-Sat., Nov. 3 & 4)

The "Upper Cretaceous Sands of the Eagle Pass Area" Field Trip will provide a detailed look at the Upper Cretaceous Sands, including the Escondido, Olmos and San Miguel. Along the way we will look at the Austin Chalk and the Anacacho Lime, as well as Igneous ("Serpentine") Intrusions in the area. Trip Leader: Dr. Thomas Ewing & Tom Fett

Austin Chalk and Eagle Ford Shale in San Antonio (Sat., Nov. 4)

The "Austin Chalk and Eagle Ford Shale in San Antonio" Field Trip will provide a good look at the full Austin Chalk section in the San Antonio area, with several newly examined outcrops. It will include nicely exposed underlying Austin Chalk contacts with the Eagle Ford Shale and an overlying contact with the Taylor Formation. The trip will see nearly 500' of beautifully exposed, easily accessible Buda Lime / Eagle Ford Shale / Austin Chalk.

Trip Leader: John Cooper

For further information: Contact Tom Fett at MedinaLake@msn.com or at 210 289-7128.

SPECIAL EVENTS

South Texas Geological Society Golf Tournament: Wed., Nov. 1

All Convention Luncheon: Speaker, Dr. William Fisher, Thurs., Nov. 2

Geo-Oktoberfest at Beethoven Maennerchor und Garten: Thurs., Nov. 2

Women in Geosciences Breakfast: Speaker, Kimberly Corley, Fri., Nov. 3

GCSSEPM Luncheon: Speaker, Dr. Maria Mutti, Fri., Nov. 3

AAPG DPA Luncheon: Speaker, Dr. Thomas Ewing, Fri., Nov. 3

Two Spouse and Guest Tours of San Antonio: Thurs., Nov. 2 & Fri., Nov. 3

Convention Icebreaker: Wed., Nov. 1

SHORT COURSES

3D Seismic Attributes for Prospect Identification and Reservoir Characterization

In this 2-day short course, you will gain an intuitive understanding of the kinds of seismic features that can be identified by 3D seismic attributes, the sensitivity of seismic attributes to seismic acquisition and processing, and how 'independent' seismic attributes can be coupled through geology. Instructor Kurt Marfurt: Tues.-Wed., Oct. 31-Nov. 1

Integrated Exploration Methods for Clastic Depositional Systems

This 2-day course is designed to provide participants with a modern appreciation of the full spectrum of deep-water depositional systems and their petroleum reservoirs in the context of oil and gas exploration and appraisal. The course examines sediment transport and deposition, stratigraphic architecture, and predictive reservoir characteristics in a variety of basins using hands-on lectures, core-log-seismic exercises, and collaborative discussions. Instructor Jon Rotzien: Tues.-Wed., Oct. 31-Nov. 1

Log Analysis for Unconventional Reservoirs

This is a 1-day short course on log analysis of unconventional reservoirs. It will cover basic characteristics and mineralogy of unconventional reservoirs; estimation of Total Organic Carbon (TOC wt.%) from well logs; log analysis of organic rich, gas-bearing and oil-bearing mudstones using both conventional logs and newer advanced logging technologies including geomechanical properties, NMR and dielectric logs. Instructor George Asquith: Wed., Nov. 1

Introduction to Seismic Interpretation: STUDENTS ONLY

This is a 2-day short course that introduces participants to seismic interpretation as applied in the petroleum industry. Lectures, hands-on exercises and discussions focus on the tools and concepts used by interpreters to derive structural and stratigraphic information from 2D and 3D seismic data. Topics include the principles of the seismic method, data acquisition and processing, interpretation tools and workflows, and how all of these factors affect structural and stratigraphic interpretations. Instructors Carl Fiduk & Bruce Hart: Sat.-Sun., Nov. 4-5

Ethics for Geologists (Includes Breakfast)

This is a 1-hour collaborative/interactive lecture to satisfy the Texas Board of Professional Geoscientists ethics credit requirement. Participants must bring a text capable phone to interactively participate in the lecture. Instructor John Jordan: Fri., Nov. 3

A Recruiter's Insights to Resumes and Interviews

This is a 1/2-day short course for students and professional geoscientists looking for a job in the petroleum industry. The course covers choosing a major to a graduate school, identifying job opportunities of interest, writing a resume, and interviewing. Topics include, what should and shouldn't be in your resume, what to do and what not to do in an interview from a straightforward practical perspective, and provides attendees with several insights to what employers and recruiters are looking for. Although the course is designed for folks looking towards a geoscience career in industry, simple pointers that anyone can use for nearly any job are offered. Instructor David Weinburg: Fri., Nov. 3

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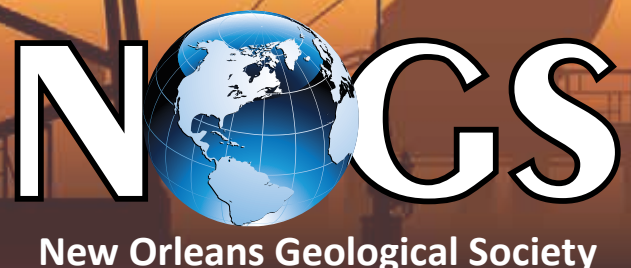
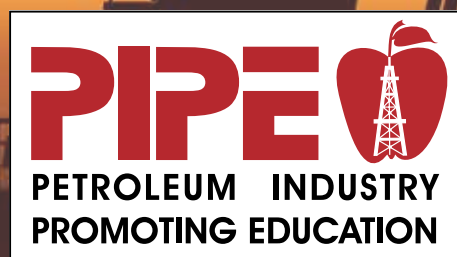
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