

NOGS LOC

MAY 2018

Volume 58, Number 11



MAY 7 - NOGS LUNCHEON PRESENTATION

3-D Modeling of Subsurface Stratigraphy in the Lower Mississippi River Delta Plain

**Guest Speaker: An Li
Louisiana State University • Baton Rouge, LA**



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

This year NOGS, PLANO, and SPWLA are joining forces for the

2018 Annual Golf Tournament

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

Bayou Oaks at City Park New South Course

City Park • New Orleans, LA

Friday • May 18, 2018

Registration Form
on page 12 of this issue!

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

Post tournament lunch sponsored by
Diversified Well Logging

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

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

What else could you possibly ask for?

Costs:

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

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

We need volunteers!

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

Donations of any kind are welcome!



Published monthly by the New Orleans Geological Society. This issue was sent to press on April 28, 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 info@nogs.org.

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on the cover

Cover photo by Bob Wick, BLM

Merced River — California

“From its source on the south side of Mount Lyell at 13,114 feet, the river flows downstream to Lake McClure Reservoir through a glacially carved canyon within Yosemite National Park. 71 of the total length of 79 miles are protected with wild and scenic river designation. The Merced, including the South Fork, flows through exceptional scenery—glaciated peaks, lakes and alpine and subalpine meadows—in alternating pools and cascades. Wildflower displays are spectacular. The South Fork possesses one of the few remaining pristine Sierra Nevada fisheries with self-sustaining populations of rainbow, eastern brook and brown trout. Archeology and wildlife are also noteworthy.” – Bureau of Land Management

From the Editor



By the time this issue will have gone to press, the most recent batch of ASBOG test takers across the country will have received their results for the Fundamentals of Geology and Practice of Geology exams. To those who passed, congrats! To those who have yet to pass, be not downhearted. It's a tough test, and plenty of good geologists have failed before finally passing. Few things strike fear into the heart of a young geologist quite like the phrase, "So, have you started studying for the ASBOG yet?" Both exams challenge the depth and breadth of your expertise in areas like hydrology, economic geology, petrology, and whatever class you didn't pay quite as much attention to as you probably should have. Despite the difficulty of these tests, the importance of licensing and codified rules of ethics and practices should not be underestimated. It may not be a perfect system, but it creates and enforces a framework of professional practices for geologic assessment that benefits practitioners as well as stakeholders. I may have to keep reminding myself of that during the stress of studying for my upcoming PG exam, but the professional benefits and personal gratification of eventually earning my stamp will make it worthwhile.

Laura

Laura Sorey, Editor



FROM THE PRESIDENT **CHRIS McLINDON**

The best earth science isn't always found in text books. Some of outstanding descriptions of the natural processes of the Mississippi River have come from popular literature. No amount of academic study can provide the "in the gut" sense of understanding the bed load sediments of the river as this passage from John Barry's book *Rising Tide* in which he describes Captain James Eads walking on the bottom of the river with a bell helmet diving apparatus:

"Without light, Eads could not see the river. He felt it. The bottom sucked at him while the current embraced him in the darkness and silence. The current also buffeted, whipped, bullied, pulled. A diver had to lean against it, push against it. Unlike the wind, it never let up. He later wrote: 'I had occasion to descend to the bottom in a current so swift as to require extraordinary means to sink the bell. ... The sand was drifting like a dense snowstorm at the bottom ... At sixty-five feet below the surface I found the bed of the river, for at least three feet in depth, a moving mass and so unstable that, in endeavoring to find a footing on it beneath my bell, my feet penetrated through it until I could feel, although standing erect, the sand was rushing past my hands, driven in a current apparently as rapid as that on the surface. I could discover the sand in motion at least two feet below the surface of the bottom, and moving with a velocity diminishing in proportion to its depth.'"

Of course, nobody understood the Mississippi River better than Mark Twain. His summation of the efforts of the Mississippi River Commission to control the river is as true today as it was in 1883 when he wrote this passage from *Life on the Mississippi*:

"One who knows the Mississippi will promptly aver—not aloud, but to himself—that ten thousand River Commissions, with the minds of the world at their back, cannot tame that lawless stream, cannot curb it or confine it, cannot say to it, Go here, or Go there, and make it obey; cannot save a shore

which it has sentenced; cannot bar its path with an obstruction which it will not tear down, dance over, and laugh at. But a discreet man will not put these things into spoken words; for the West Point engineers have not their superiors anywhere; they know all that can be known of their abstruse science; and so, since they conceive that they can fetter and handcuff that river and boss him, it is but wisdom for the unscientific man to keep still, lie low, and wait till they do it. Captain Eads, with his jetties, has done a work at the mouth of the Mississippi which seemed clearly impossible; so we do not feel full confidence now to prophesy against like impossibilities. Otherwise one would pipe out and say the Commission might as well bully the comets in their courses and undertake to make them behave, as try to bully the Mississippi into right and reasonable conduct."

The tenuous control of the river was very nearly lost at Old River in 1973, as described here by John McPhee in his book *Control of Nature*:

The Corps had built Old River Control to control just about as much as was passing through it. In mid-March, when the volume began to approach that amount, curiosity got the best of Raphael G. Kazmann, author of a book called *Modern Hydrology* and professor of civil engineering at Louisiana State University. Kazmann got into his car, crossed the Mississippi on the high bridge at Baton Rouge, and made his way north to Old River. He parked, got out, and began to walk the structure. An extremely low percentage of its five hundred and sixty-six feet eradicated his curiosity. "That whole miserable structure was vibrating," he recalled in 1986, adding that he had felt as if he were standing on a platform at a small rural train station when "a fully loaded freight goes through." Kazmann opted not to wait for the caboose. "I thought, This thing weighs two hundred thousand tons. When two hundred thousand tons vibrates like this, this is no place for R.G. Kazmann. I got into my car, turned around, and got the hell out of there. I was just a professor—and, thank God, not responsible."

The wonderful thing about earth science is that it lends itself so well to literature. These passages underscore both the beauty of the science and the importance of understanding the natural processes.

Chris McLindon



SAVE THE DATE!

22nd Annual Gulf of Mexico

Deepwater

Technical Symposium



August 27-29

2018

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

www.deepwaternola.org





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Office Manager: Annette Hudson

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

The office is located at 810 Union Street, Suite 300, New Orleans, LA 70112.

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

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Publications Sales	Edward B. Picou, Jr.	Consultant	504-529-5155	epicou@bellsouth.net
School Outreach	Thomas C. Bergeon	Upstream Exploration	504-832-3772	tom.bergeon@upstreamexp.com
Special Projects	TBD			

NOGS LOG STAFF

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

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Officers		Phone	Directors	Year	Phone
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May 7 • NOGS Luncheon

Holiday Inn Downtown Superdome

\$3.00 validated parking in hotel garage

Presentation:

***3-D Modeling of Subsurface Stratigraphy
in the Lower Mississippi River Delta Plain***

Guest Speaker:

An Li

Dept. of Civil and Environmental Engineering • LSU • Baton Rouge, LA

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:

With reservation..... \$30.00

Without reservation \$35.00

Student Member with reservations..... FREE

May 18

NOGS-PLANO-SPWLA Golf Tournament

Bayou Oaks at City Park • New Orleans, Louisiana

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

May 20-23

AAPG Annual Convention - ACE 2018

Salt Palace Convention Center • Salt Lake City, Utah

For more information: <http://ace.aapg.org/2018>

May 17-19

2018 History of Oil Symposium - Petroleum History Institute

Salt Lake City, Utah

For more information: www.petroleumhistory.org

June 4

NOGS Luncheon

Holiday Inn Downtown Superdome • New Orleans, Louisiana

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

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Phone

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

E-mail

allanmelillo@bellsouth.net
chris.mclindon@upstream.com
charleswholman@bellsouth.net
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kelli.hardesty@erm.com
bootscon@aol.com
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May 7 NOGS Luncheon Presentation

☆☆☆ at the Holiday Inn Superdome ☆☆☆

3-D Modeling of Subsurface Stratigraphy in the Lower Mississippi River Delta Plain

Presented by

An Li

Co-Author: Frank T.-C. Tsai, Ph.D.

Dept. of Civil and Environmental Engineering • LSU • Houston, Texas

ABSTRACT

The Mississippi River Delta Plain (MRDP) is one of the largest delta plains in the world and is socially and economically imperative to Louisiana and the rest of the United States; however, the delta plain has been suffering from a high rate of land loss due to multiple reasons such as sea level rise, land subsidence and coastal erosion. Coastal protection and restoration projects have been planned and implemented to mitigate the land loss problem. Many studies have been conducted to understand physical processes and optimize efficacy of the projects, but the importance of subsurface components, such as stratigraphy and groundwater, have been underrated.

Though extensive subsurface investigations were conducted in the delta plain, very few regional-scale 3-D models were constructed to estimate spatial distribution of different soil types and to simulate groundwater flow and subsidence. This study uses geostatistical methods to regionalize geotechnical boring data collected by multiple agencies and scattered in an area of ~1,800 km² on the delta plain. A three-dimensional stratigraphic model was built covering the lower MRDP and extending from 3.0 m to -45.7 m in elevation. An integrated groundwater-subsidence model will later be constructed upon the stratigraphic model to give insight into groundwater flow, groundwater surface-water interaction, pore-pressure-change related subsidence, and how these processes link to land loss in the region.



BIOGRAPHY

An Li is a Ph.D. candidate in Civil Engineering from the Department of Civil and Environmental Engineering at Louisiana State University. He conducts research under supervision of Dr. Frank Tsai in the area of water resource engineering (groundwater). His research topics include:

- 3-D modeling of subsurface stratigraphy in the lower Mississippi River delta plain
- Integrated simulation of groundwater flow and subsidence in the Mississippi River delta plain
- Interactions between groundwater and river-water in the Mississippi River delta plain
- Modeling 3-D soil stratigraphy using subsurface boring and cone penetrometer tests in the Inner Harbor Navigation Canal, New Orleans, Louisiana
- Modeling 3-D soil texture of river deltaic wetlands using compositional kriging method
- Groundwater pumping induced land subsidence in the Baton Rouge, Louisiana

His research is funded by the Department of the Treasury under the Resources and Ecosystems Sustainability, Tourist Opportunities, and Revived Economies of the Gulf Coast States Act of 2012 (RESTORE Act) through The Water Institute of the Gulf; and U.S. Geological Survey through the Louisiana Water Resources Research Institute.

Prior to groundwater related research, he was involved with research in early earth tectonics in western Australia, and structural geology of the Himalayan thrust belt in western Nepal. He received his MS degree in Geology from the University of Houston, and his BS degree in Resource Prospecting Engineering from Northeast Petroleum University, Daqing, China.

THE MAY LUNCHEON RESERVATION DEADLINE IS MAY 4.

"And Looking Ahead . . ."

The next luncheon will be held on June 4. Our guest speaker, John Dribus from Schlumberger, will present "A Qualitative Examination of Direct Hydro Carbon Indicators (DHI's) on Seismic Data." Contact Annette at annette@nogs.org or use the PayPal link at www.nogs.org to make your reservation.

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- Petrophysicists
- Engineers

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CALENDAR OF EVENTS: MAY - AUGUST 2018

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

2018	EVENT	LOCATION	CONTACT / INFO
7 May	NOGS Luncheon Presentation "3-D Modeling of Subsurface Stratigraphy in the Lower Mississippi River Delta Speaker: An Li • LSU	Holiday Inn Superdome	annette@nogs.org or 504-561-8980
15 May	Hands-On STEM Day Core Element & The New Orleans Baby Cakes	9 am • Shrine on Airline 6000 Airline Dr., Metairie	Tom Bergeon tom.bergeon@upstreamexp.com
18 May	NOGS - PLANO - SPWLA Annual Golf Tournament	Bayou Oaks at City Park New Orleans, LA	See announcement on page 2. Registration forms on page 12.
17-19 May	2018 History of Oil Symposium - Petroleum History Institute	Salt Lake City, Utah	www.petroleumhistory.org
20-23 May	AAPG Annual Convention & Exhibition - ACE 101 Theme: "Bridging Fundamentals & Innovation"	Salt Palace Convention Ctr Salt Lake City, Utah	http://ace.aapg.org/2018
28 May	Memorial Day		
1 Jun	Start of Hurricane Season		
4 Jun	NOGS Luncheon Presentation "A Qualitative Examination of Direct Hydro Carbon Indicators (DHI's) on Seismic Data" Speaker: John Dribus • Schlumberger	Holiday Inn Superdome	annette@nogs.org or 504-561-8980
10-11 Jul	Louisiana Coastal Geology Symposium	LSU Baton Rouge, LA	http://www.lsu.edu/ces/conferences/lcgs2018/index.php
27-29 Aug	22nd Annual Gulf of Mexico Deepwater Technical Symposium	N.O. Downtown Marriott Convention Center	http://www.deepwaternola.org/



Contact:
Annette Hudson
info@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

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Opposite President's Page.....	+20%
Opposite Oral Abstract.....	+20%
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Please register early! Tournament is May 18th!

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

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

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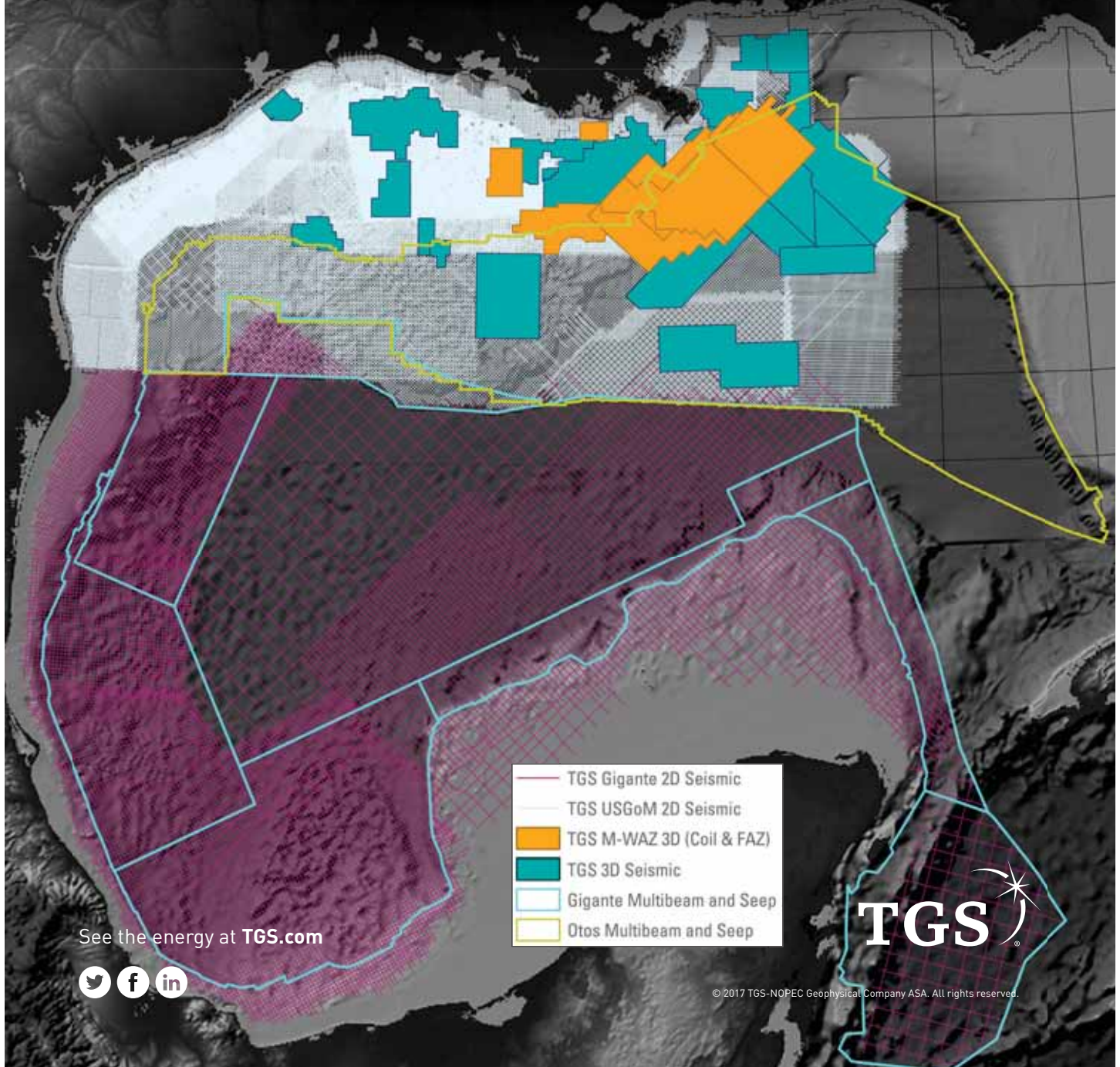
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The tax deductible portion of your tournament participation fees is \$65 under the NOGS Memorial foundation 501(c)3 IRS status.

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.





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APRIL 9 LUNCHEON



South Louisiana and Offshore Gulf of Mexico Exploration and Production Activities

LAFAYETTE DISTRICT, ONSHORE AREA

By Carlo C. Christina and Kevin J. Trosclair

The Baker-Hughes United States rig count for the month of April averaged 989 rigs, up 22 rigs from the prior month's average. The Louisiana rig count (not including the OCS) averaged 46 rigs for the month of April.

North Louisiana Rigs:	35
South Louisiana Rigs:	11
Land	7
Inland Waters	4

The Office of Conservation, Lafayette District, Onshore Area, issued 14 permits to drill during the month of March. New locations of interest are reported below:

NEW LOCATIONS

In Assumption Parish, Forza Operating will drill the #1 Clement, (SN 250900), in **Northwest Oakley Field, (A)**. The well is located in Sec. 78, 14S-14 E, and will be drilled to a depth of 10,680 feet, (TVD 10,500 feet), approximately 1½ miles north of production in a well drilled in 1955, (SN 140955). It was completed in a Marg A sand at 12,600 feet and produced for 12 years. In 1992 it was later completed through **perforations 8804 to 8806** and has produced **more than 108,000 barrels of oil**. It appears other sands are possibly productive above 9900 feet.

Key Operating Company will drill a deep test, its #1 Lavoie Land, (SN 250871), in Calcasieu Parish, **South Bell City, (B)**, to a proposed depth of 16,218 feet to test Mid Hackberry sands. It will be drilled in Sec. 9, 11S-6W. It is located one half mile south of nearest production, a gas well producing from a Cib haz sand at 11,500 feet.

In Lafayette Parish, **West Ridge Field, (C)**, Petrodome Operating will drill the #1 Richard, (SN 250894), to test Camerina sands at a depth of 12,500 feet. It will be drilled in Sec. 14, 10S-2E, located approximately 1 mile northeast of production in Marg tex sands.

LLOX will drill its #1 EMC Fee, (SN 250903), in **Bayou Couba Field, (D)**, St. Charles Parish, to test Cib op sands at a depth of 12,877 feet. The well is located in Sec. 2, 15S-21E, approximately 3,000 feet northwest of old production in the field.

In St. James Parish, **Hester Field, (E)**, AX Operating has permitted the #1 Gregoire, (250831), to test Cris R sands at a depth of 11,000 feet. The well is located in Sec. 57, 11S-4E, approximately 2 miles south of production in an Operc sand at 6900 feet.

COMPLETIONS

Fontainebleau Operating has completed its #2-ALT Steve Barrow, (SN 250557), in **Bear Field, (F)**, in Beauregard Parish, flowing 177 BOPD and 212 MCFD through perforations 11,479 to 11,497 feet, in a Wilcox sand. The well was drilled in Sec. 20, 6S-9W.

PIE Operating has completed the #1 Mineral Resources Dev B, (SN 250507), as an oil well in the Cockfield flowing 23.4 BOPD through perforations 7842 to 7844 and 7939 to 7942 in Beauregard Parish. The well was permitted as a wildcat but upon completion it was placed in **Juanita Field, (G)**. It was drilled to a total depth of 8466 feet in Sec. 15, 5S-10W.

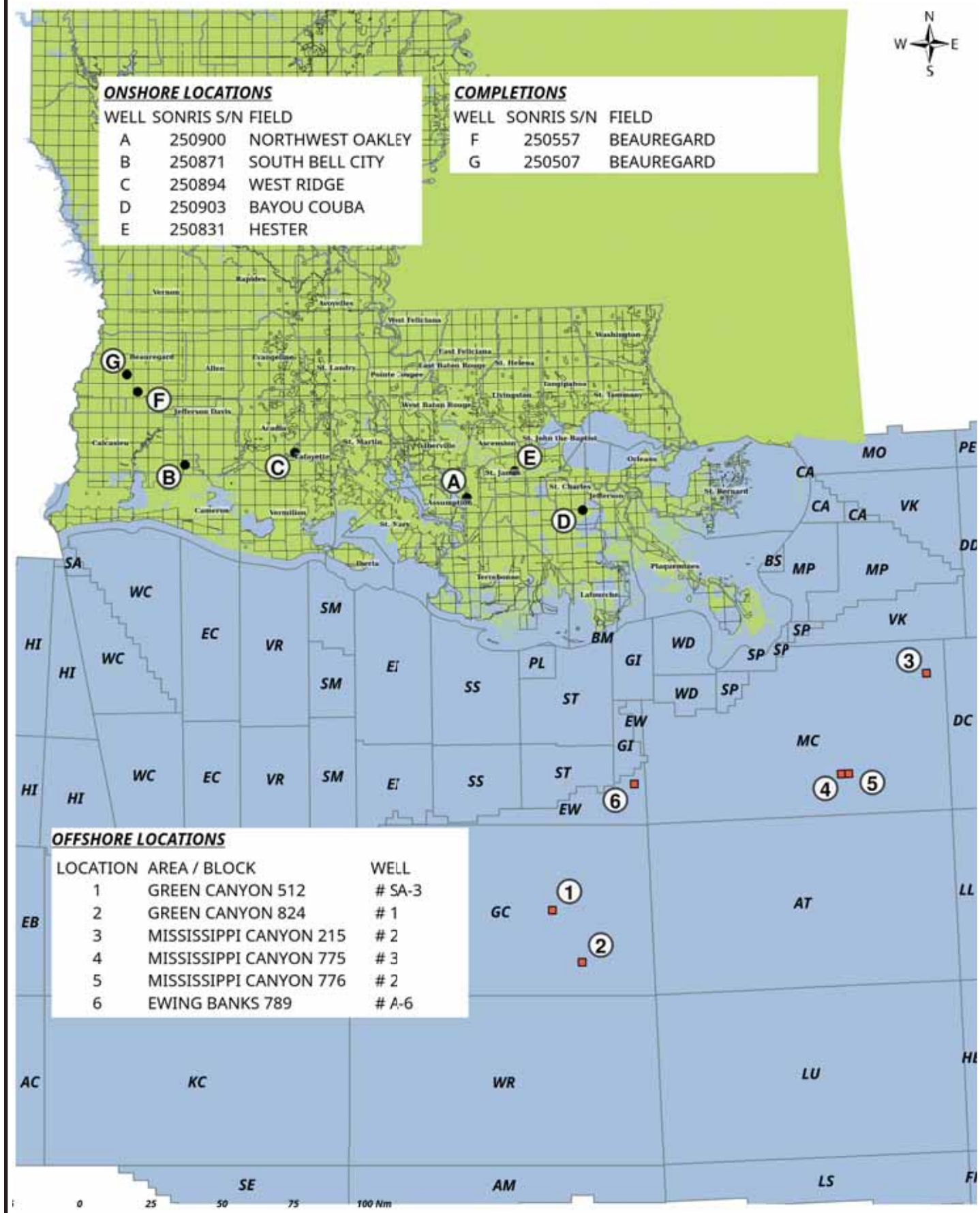
OFFSHORE GULF OF MEXICO SHELF AND DEEPWATER ACTIVITIES

by Al Baker

During **March 2018**, the **BOEM** approved **62** Gulf of Mexico drilling permits. **Eleven** of these were for shelf wells, and **51** were for deepwater wells. Of the total number of permits, there were **6 new well permits, all in deepwater**.



Onshore & Offshore Activity Map for South Louisiana MAY 2018



The six deepwater new well permits were for **5 development wells** and **1 exploration well**. Three development well permits were given to **BP Exploration & Production** for their **Green Canyon 824 #1** and **Mississippi Canyon 775 #3** and **776 #2** wells. **Walter Oil & Gas** received a development new well permit for their **Ewing Bank 789 #A-6** well, and **Hess Corporation** was given a development new well permit for their **Green Canyon 512 #SA-3** well. The single exploration well permit was awarded to **Deep Gulf Energy III** for their **Mississippi Canyon 215 #2** well.

On March 29th, **IHS-Petrodata** reported that the Gulf of Mexico mobile offshore rig supply stood at **84**, which is **2 less** than last month. The marketed rig supply consisted of **48** rigs, of which **36** were under contract. The marketed rig supply number was **2 less** than reported last month, whereas the contracted rig supply number was **1 less** than the previous month. The marketed contracted versus total rig supply utilization rate stands at **42.9%**, and the marketed contracted versus marketed supply utilization rate stands at **75%**. By comparison, the March 2017 total fleet utilization rate stood at **45.8%** (**versus 57.1% today**) with 44 out of the 96 rigs under contract.

As of March 29th, **BakerHughes** indicated that there were **12** active mobile offshore rigs in the Gulf of Mexico, which is **33.3%** of the rigs under contract mentioned above. This active rigs number is **5 less** than reported last month. Of the 12 rigs, **1** is located on the **shelf**, and **11** are situated in **deepwater**. At the same time last year, there were 22 mobile offshore rigs

operating in the Gulf of Mexico. The current number represents a **54.5% decline** in rigs year over year...

As of March 29th, the **BakerHughes** total U.S. rig count stood at **993** rigs, which is **15 additional** rigs than at the end of February 2018. Of the 993 rigs, **797 (80.3%) are oil rigs** and **194 (19.7%) are gas rigs**. A year ago, there were 824 rigs working in the U.S. Thus, the current rig figure represents a **20.5% increase** in rigs year over year. **Texas** still has the largest number of rigs with **496**, which is slightly less than half (49.9%) of the total number of rigs in the U.S. **Louisiana** has a total of **58** rigs.

On March 21st, the **BOEM** conducted **OCS Sale 250** in the Gulf of Mexico. The sale was advertised as the largest acreage offering in the history of offshore lease sales, however, turnout was lackluster. A **total of 159 bids on 148 blocks** was submitted by **27 companies**. There were **43 single bids** on the **shelf** and **116 bids in deepwater** of which **10 were multiple bids**. The **highest shelf bid** was **\$1,101,000** by **Byron Energy** for **Vermilion Block 232**. They were the **most active shelf bidder** with 7 bids totaling **\$2,610,082**. The **highest deepwater bid** was made by **Total E&P USA, Inc.** for **Mississippi Canyon Block 697**. Total's bid of **\$7,000,728** was the higher of **2 bids** for the tract. **BP Exploration & Production** had the largest number of high bids with **27**, and they **exposed** a total of **\$20,068,202**. **Chevron U.S.A. Inc.** bid the **most money** in the sale with **\$29,448,882** on **24 blocks**.

The next offshore lease sale, **OCS Sale 251**, is scheduled for **August 15, 2018**, in New Orleans.

A graphic with a blue background showing a satellite view of a hurricane. On the left, there is a flagpole with two red flags, each featuring a black square in the center. The text is overlaid on the right side of the image.

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Louisiana Coastal Geology Symposium 2018 July 10-11, 2018

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

Presented by: Louisiana Geological Survey and New Orleans Geological Society

Preliminary Call for Abstracts

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

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

Deadline for abstracts: May 30, 2018

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

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

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

Registration Information

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

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

For further information, please contact John E. Johnston III at hammer@lsu.edu.

NOGS Board of Directors Candidates

For President Elect: Robert M. Rooney

Robert Rooney was born and raised in New Orleans, educated in the Catholic school system, and graduated from Archbishop Rummel High School. Robert decided on his career path in petroleum geology while on an 8th grade field trip to an oilfield in Lafourche Parish. He received a Bachelor of Science degree in Earth Sciences from the University of New Orleans in 1986. While at UNO, he worked as a student aide for the Minerals Management Service. Robert began his professional career with Freeport Sulphur Company where he was trained as a sulphur exploration project geologist and worked in the office and in the field with the rigs. He was responsible for selecting drill-sites and the acquisition and description of conventional core samples in West Texas, the Gulf Coast, Egypt, and also worked as a production geologist at Caminada Mine, offshore Grand Isle. Following several years as a consultant, he joined Shell Exploration and Production Company in New Orleans where he worked on various exploration teams across the Gulf of Mexico including a high-pressure & high-temperature (HPHT) gas discovery on the Texas Shelf that resulted in a one-well development that flowed over 100MMCFGPD. He identified a Middle Miocene stratigraphic trend of prospects using 3-D seismic geomorphology in the state waters of Louisiana and generated a deep-pool wildcat that helped rejuvenate a mature production asset in Mississippi Canyon. At Shell he also performed near-field exploration, deepwater exploration for lease sales, worked with deepwater asset teams, and mentored new geoscientists. He then joined CLK Energy, LLC as a geoscientist and then joined Century Exploration New Orleans, LLC (Upstream), as a senior geoscientist for 8 ½ years where he generated exploration prospects, worked on development wells, and provided subsurface support to drilling operations. Robert is currently a consulting geologist with Robert M. Rooney, Inc. where he performs field studies, seismic interpretation, subsurface mapping, and prospect generation.



He is currently Vice President of NOGS (2017-18) and has served as: NOGS Delegate to AAPG from 2001-2003; *NOGS LOG* Editor-elect in 2005-06; Editor in 2006-07; Vice President in 2007-08; and was AAPG Sponsorship Chairman for the New Orleans Convention in 2010. He has been a NOGS luncheon speaker and has served as Publicity Chairman for the NOGS SLOPES Symposium in 2003. He is an active member of AAPG, and an active member of SIPES (#3507). He is also an adjunct instructor with the Department of Earth and Environmental Sciences at the University of New Orleans where he teaches Introduction to Geophysics.

As President-elect he looks forward to working with the NOGS board members and staff, NOGA members, the NOGS Sponsors, the NOGS membership, and the professional community in planning and organizing the social calendar and activities for NOGS 2018-19, to build on the great work and social foundation prepared by predecessor Alex Janevski.



For Vice President: Chris McLindon

Chris McLindon has been employed as an exploration geologist in the oil and gas industry since 1980. He received a BS in Geology from LSU in 1970. Chris has worked for several companies in the New Orleans area including McMoRan Exploration, Helis Oil and Century Exploration, as well as being self-employed for several years. Chris is currently employed by Upstream Exploration, LLC in

Metairie, LA. In addition to NOGS, he is a member of AAPG, GSA, and SIPES. Since 2015, Chris has coordinated the NOGS Fault Atlas research initiative based on providing oil and gas industry knowledge base and seismic data for graduate-level university research on the relationships between near-surface geology, subsidence, and coastal processes. There are currently eight research projects underway at UNO, Tulane and ULL as a result of this initiative.

For Secretary: Shara Gremillion

Shara Gremillion was born in Gulfport, MS, and grew up in LaPlace, LA, where she graduated from East St. John High School. In August 2000, Shara joined the United States Air Force as a computer systems operator. She spent five years on active duty then joined the Air National Guard for the next eight years. During this time, she held jobs such as communications-security specialist, software tester, network engineer, and satellite communications operator. She was deployed to Qatar in support of Operation Iraqi Freedom and Operation Enduring Freedom. Shara also worked humanitarian relief efforts such as the Haiti earthquake in 2010 and Hurricane Isaac in 2012 in Braithwaite, LA. Shara holds a bachelor's degree in Earth and Environmental Sciences from the University of New Orleans and is currently pursuing a master's degree in Marine Science from The University of Southern Mississippi at Stennis Space Center. Shara has also been an active volunteer with UNO's Coastal Education and Research Facility for the past four years.



For Treasurer: David B. Culpepper

David Culpepper is a Registered Professional Geoscientist in Louisiana (#465), a Registered Professional Geologist in Arkansas (#479), and serves as an appointed member of the Louisiana State Water Resources Commission. He has more than 30 years experience in environmental and geoscience consulting. David is a former Vice President of Operations for Groundwater Technology, Inc. and Missimer & Associates and managed more than fifteen offices and 250 professionals throughout the United States. Having started his own company in 2002, David now designs and implements long-term strategies to advance the missions of organizations, including budget administration, policy development, and performance management. Most recently, he works with a consortium of scholars and subject-matter experts to plan and administer projects aimed at leveraging energy-sector technology in support of resiliency and coastal restoration,

by providing expertise in coordinating with governmental departments and companies in response to complex geoscience issues. David holds a Bachelor of Science from Louisiana State University where he studied Physical Geography and Geology. Dave is from Shreveport, LA, and is the third generation of his family to work in the oil and gas industry. His grandfather worked for Hunt Oil and Phillips Petroleum, and his mother retired from the Arkansas Louisiana Gas Company (Arkla).

For Editor: Fran Wiseman

Frances Wiseman is a New Orleans native currently living in Metairie. She worked for BOEM/MMS/USGS for 37 years concentrating on deep water regulations and geologic studies in the Gulf of Mexico. She is now happily retired doing volunteer



work with the Jefferson SPCA and NOLA Knitters, making scarves and hats for the homeless for winter- time comfort. She also is working on refurbishing her house in Pensacola. Fran graduated from Cabrini High School in New Orleans. She received a BS degree in geology from the University of New Orleans and studied geology and petroleum engineering at LSU and Tulane. She has been a member of NOGS for 43 years. Fran has served as NOGS Secretary, *NOGS LOG* Editor, and Vice President.

For Editor Elect: Grant Black

Following the earning of a Bachelor of Science in Geology from the University of Oklahoma in 1977 and a Master of Science in Geology from Oklahoma State University in 1980, Mr. Black worked as an exploration geologist in various basins in Arkansas, Louisiana, Texas, Mississippi, Alabama, and the Rocky Mountains. After a 15 year period of living in Shreveport, LA, and working for both medium and small independent oil and natural gas producers, he was appointed by then Arkansas Governor Mike Huckabee to serve as the Director of the Arkansas Oil and Gas Commission. An opportunity to return to Oklahoma presented itself, and his career led to working in government affairs for Samson Resources in 11 states within which the company had assets and exploration interests. Mr. Black is a registered professional geologist in the State of Arkansas (#462), an AAPG Certified Petroleum Geologist (#4133), and a long standing member of the Shreveport Geological Society. During 2015, Mr. Black joined Chevron in New Orleans to work as Representative of the State Government Affairs team responsible for 10 states in the southeast region of the US. In 2017, he was appointed by Louisiana Governor John Bel Edwards to serve on the Louisiana Oilfield Site Restoration Commission.



For Director: Chuck Holman

Chuck Holman received an MS in Geology and Geophysics from the University of Hawaii in 1982 and has worked in the oil industry since then as a geophysicist/geologist. He began his career with Mobil Oil in 1982, transferred to Mobil New Orleans in 1983, and transferred to Dallas in to work on the Mobil New Exploration Ventures Latin America Team in 1992. After Mobil, Chuck consulted for SCA, Tecpetrol, Interactive Interpretation and Training, CGG, Avanti Consulting, Corelab, and Gaffney-Cline and Associates. Chuck then returned to New Orleans in 2006 to work as a geophysicist for Dominion Exploration & Production Company, Eni, the Bureau of Safety and Environmental Enforcement (BSEE), and Saratoga Resources. Chuck currently consults for BSEE.

Chuck is a member of AAPG and SEG and has been a member of the local geophysical and geological societies where he has lived. Chuck rejoined NOGS in 2006 and since 2009 has been an active part of NOGS operations: 2009-2010 Treasurer, 2010-2011 Auditor, 2011-2012 Secretary, 2012-2013 President-elect, 2013-2014 President, 2014-2015 Memorial Foundation Chairman, 2015-2018 Memorial Foundation Trustee.

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