

# NCGS LOC

JANUARY 2022  
Volume 62 No. 7



2022

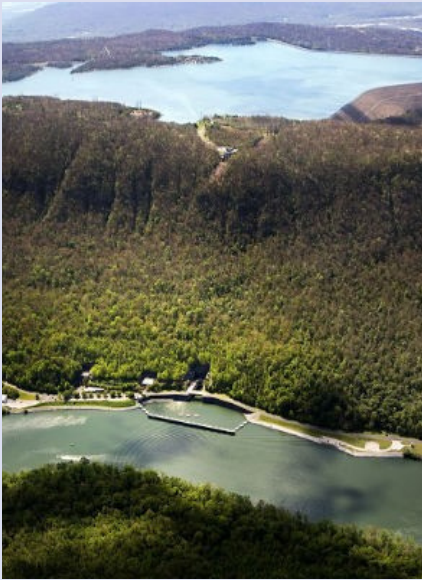
Happy New Year

# IN THIS ISSUE



## On the Cover

### Raccoon Mountain Reservoir Caption



**The Raccoon Mountain Reservoir is in the Smokey Mountains near Chattanooga, Tennessee. The dam holds a reservoir of 107 billion gallons of water with 528 acres of water surface. The reservoir is part of the Raccoon Mountain Pumped-Storage Plant hydroelectric facility on the Tennessee River built by the Tennessee Valley Authority and went into service in 1978.**



## *From the Editor...*

Happy New Year! Are you ready to embrace new goals, the abundance from unexpected surprises and new challenges that await you in 2022? My New Year's Resolution for the NOGS LOG is to provide more content that shows how important understanding geology is to society, engineering, environmental resilience, and renewable energy, just to name a few.

The cover photo for this issue of the LOG is a good example of geology being the foundation for the construction a hydroelectric power generation project on the Tennessee River that began construction in 1970. Since 1978 the Tennessee Valley Authority has been able to generate over 1.6 megawatts of net electricity daily for customers in their service area when needed. Geology and multiple engineering disciplines combined 43 years ago to create what is now called a renewable energy Power Generating Plant.

Marine Oil Spill Response Teams may soon have a new technology to help them allocate resources during spill events. [Read about it here.](#)



**Emmitt Lockard**  
**2021/2022 NOGS LOG Editor**



# **A MESSAGE FROM 2021/2022 NOGS PRESIDENT**

**HILLARY SLETTEN**

**To members and friends of the New Orleans Geological Society:**

**Happy New Year! I hope that you have all had a restful and enjoyable holiday celebrating with friends and family over the past few weeks. I had some rest and enjoyed watching my son experience his first Christmas, however, I did have to cover geology operations for the well my team is currently drilling and completing offshore in the Gulf of Mexico. Never a dull moment when working a well delivery team, it would seem! As a Production Geologist working mainly onshore, I am always amazed at the offshore community and their perseverance to operate 24/7, even through the holidays, and to stay dedicated to safety and drilling successful wells. Truly impressive!**

**I'd like to thank everyone who attended last month's speaker and NOGS anniversary event, whether in-person or online. You all helped make this a great event and I hoped you enjoyed learning about cloud applications in the geosciences, as well getting an opportunity to socialize and meet with members if you were able to come to The Cannery. Thank you to all listening online who stuck with us. Hopefully our future events will run smoother with the sound and video, but overall, I think it turned out pretty good for a first run and hosting a speaker who was all the way across the pond in Ireland!**

**Our January speaker event will be on Monday, January 10 at The Cannery in New Orleans. We will be hearing from Dr. Bobola Akintomide, a recent graduate from Tulane University, about the impacts fault-induced subsidence is having on coastal wetland loss in Southeast Louisiana. We will again provide an online option, as well as the in-person luncheon. Please note that the speaker will begin speaking at noon, while we request all coming to lunch to please arrive by 11:30AM so that we can get folks settled with their meal, etc. and help reduce the down-time for our online audience. Dr. Akintomide will be speaking live at The Cannery.**

**In other news, the board is working this month to put together some additional in-person events and outreach activities for our members. Please look for more information on this in the coming months. If you have suggestions in this space, please reach out to me or any of the board members. Let's have a fantastic 2022 and keep the momentum going!!**

**Hillary Sletten**



# NOGS JANUARY 2022 MEETING

MONDAY, JANUARY 10, 2022  
11:30 AM THE CANNERY

## FAULT-INDUCED SUBSIDENCE IN THE TERREBONNE SALT WITHDRAWAL BASIN, SOUTHEASTERN LOUISIANA: EFFECT ON COASTAL WETLAND LOSS

*Presented by:*

***Akinbobola Akintomide***



### **ABSTRACT**

Understanding fault activity in salt basins is important for reconstructing the history of salt expulsion, and the formation and kinematics of concomitant geomorphic features within the basin. In the Terrebonne Salt Withdrawal Basin in the northern Gulf of Mexico, fault activity is presumed to have ceased, and the allochthonous Loann Salt canopy almost evacuated by the end of the Pliocene due to southward migration of the depocenter. However, geomorphic features such as sharp marsh-breaks along the northern margin of the basin, defined by the Golden Meadow fault zone, suggest that faults are still active in the basin. I evaluate fault activity using proprietary 3D seismic data from the Lapeyrouse-Chauvin in Terrebonne Parish, Louisiana, to map Miocene, Pliocene and Quaternary stratal units based on biostratigraphic data, seismic reflector strength, and continuity. I interpret fault history and fault throw pattern from throw-distance plots, throw-depth plots, expansion indices and throw maps generated from fault throw estimates extracted from the maps. Results show a complex fault pattern along the Golden Meadow Fault zone. The fault zone is defined by three large faults, a northwest striking Lake Boudreaux fault, and two east-west striking faults, the Montegut and Isle de Jean Charles faults. The faults show two stages of fault activity, a Miocene and a Quaternary stage separated by a Pliocene phase of relatively slower activity. Fault activity in both stages is coeval with the time of sediment loading and salt evacuation. The displacement along the Isle de Jean Charles and Lake Boudreaux fault increases toward the Bully Camp and Lake Barre salt stocks, suggesting a coupling between fault movement and salt evacuation. The average Quaternary fault throw rate on these faults since the Middle Pleistocene is 0.53 - 0.65 mm/yr, an order of magnitude larger than those of the Baton Rouge fault zone since the Late Pleistocene. Surface projection of the faults spatially correlates with the edge of the cypress swamp near Montegut, locations of wetland loss near Isle de Jean Charles, and the Madison Bay subsidence along the Lake Boudreaux fault.

### **BIOGRAPHY**

Akinbobola Akintomide obtained a BSc in Geology in 2009 from the Federal University of Technology, Akure, Nigeria, a MS in geosciences in 2014 from the University of Tulsa, Oklahoma, and a Ph.D. in Geology in 2021 from Tulane University. For his MS degree, he worked on the structural styles in Ardmore basin, Oklahoma, a basin known for its complex transpressional and contractional structures. For his Ph.D. degree, he worked extensively on salt tectonics in the Gulf of Mexico, researching salt evacuation, salt-fault interactions and its effects on coastal subsidence and wetland loss. In addition to his academic experience, Bobola worked with various oil companies such as PEECO Limited in Lagos, Nigeria, BGI Resources LLC in Tulsa, Oklahoma, Canyon Creek Energy in Tulsa, Oklahoma, and a service company, Columbine Logging Inc in Midland, Texas. Through these industry experiences, he developed additional expertise in well log correlation, seismic interpretation, oil exploration, reservoir modeling, structural geology, salt tectonics, and sediment transport and morphodynamics.

**[Click Here to Register](#)**



# The following items will be available on a first come, first served basis at the January Meeting.

Title
Recent Sediments of Southeast Texas: A Field Guide to the Brazos Alluvial and Deltaic Plains and The Galveston Barrier Island Complex
Transgressive Marine Erosion and Sedimentation at Sargent Beach, Texas - Guidebook Supplement
Models of Clastic Sedimentation: An Introduction to The General Characteristics, Environment, Sedimentary Processes and Sequences of Alluvial Fan, Braided Stream, Meandering Stream, Deltaic, Interdeltaic, Aeolian, Shallow Marine and Deep Marine Depositional Models
Hartshorne and Atoka Deltaic Sandstones, Pennsylvanian, Arkoma Basin of Arkansas and Oklahoma & Pennsylvanian and Mississippian Trubidites, Ouchita Mountains of Southeast Oklahoma - Volume I Text & Illustrations
Hartshorne and Atoka Deltaic Sandstones, Pennsylvanian, Arkoma Basin of Arkansas and Oklahoma & Pennsylvanian and Mississippian Trubidites, Ouchita Mountains of Southeastern Oklahoma - Volume II - Field Trip Guidebook
Advanced Course in Hydrocarbon Exploration Clastic Sediments: Deep - Marine Sands and Sandstones

Carboniferous Depositional Environments: Eastern Kentucky & Southern West Virginia - A Field Guide
Structure and Tectonics Albuquerque Basin, New Mexico - Field Guide
Geology of the Central and Northern Diablo Range, California
A Tour of Selected Tertiary and Quaternary Localities and Landscapes of the Jackson-Vicksburg-Natchez-Old River Areas, Mississippi-Louisiana
Classic Tertiary and Quaternary Localities and Historic Highlights of the Jackson-Vicksburg-Natchez Area
Louisiana Delta Plain and Its Salt Domes - With a Visit to Weeks and Avery Islands and the Morton Salt Company Mine
Salt Dome Field Trip - Belle Isle - Road Guide
Lafayette-Atchafalaya-Five Islands Flight - Field Trip No 1 - GCAGS - Lafayette Belle Isle Salt Dome Trip Field Trip No 2
Field Trip Guides GCAGS 1986: 1- Engineering Geology and Cultural History of the Atahafalaya River Basin
Field Trip Guides GCAGS 1986: 2 - Transgressive Sands on the Mississippi River Delta Plain: The Bayou Lafourche Barrier Shorelines

Modern and Ancient Clastic Sediments of The Submarine Canyon - Fan and Abyssal Plain Origin
The Colorado and Gualupe Deltas of Texas - Recent Field Trip Guidebook Supplement
Depositional Features in Tertiary, Cretaceous and Cambrian Sediments of Central Texas - Field Trip Guidebook
Central & West Texas & Southeast New Mexico Field Trip
Manual of Recent Carbonate Sedimentation - Part I
Manual of Recent Carbonate Sedimentation - Part II
Recent Carbonates of Florida-Bahamas - Field Trip Guidebook
Recent Carbonates of the Great Bahama Bank - Field Trip Guidebook
Sacramento and Gualupe Mountains, New Mexico - Field Guidebook
A Field Guide to Carboniferous Littoral Deposits in the Warrior Basin

Field Trip Guides GCAGS 1986: 3 -The Upper Deltaic Plain: Mississippi Delta Complex-Backswamp and Floating Marsh Environments
Field Trip Guides GCAGS 1986: 4 - Plaquemine Point Bar, Mississippi river
Lignite Resources in East-Central Texas - Field Trip Guidebook
Plate Tectonics and Hydrocarbon Habitat: Contents
1- A Geodynamic Secenario for HydrocarbonOccurrences
2 - Hydrocarbon Occurrence in Rift Grabens of North Africa
3 - Hydrocarbon Occurrence in Rift Grabens and Atlantic-Type Passive Margins of Australia
4 - Hydrocarbon Occurrence in the Andes and Zagros Foredeeps
5 - Hydrocarbon Occurrence in Episutural Basins of Southeast Asia
Padre Island National Seashore - A Guide to the Geology, Natural Environments, and History of a Texas Barrier Island
Tertiary and Upper Cretaceous Depositional Environments - Central Mississippi and West-Central Alabama - Field Trip Road Log -GCAGS
Stratigraphy & Petroleum Potential of the Northern Gulf (Part II of a Seminar on the GoM)

Lower Mississippi River Delta Field Trip - Garden Island Bay Subdelta & Mudlumps of South Pass Area
Capitan "Reef" and Associated Facies West Texas & Southeastern New Mexico - Field Trip Guide Book
Edwards - Anacacho Field Trips - Central Texas
Sandstones of the Colorado Plateau - Guidebook No. 1 -Northwestern San Juan Basin, New Mexico and Moab Area, Utah - EPR Report 77
Sandstones of the Colorado Plateau - Guidebook No. 2 - The Book Cliffs, South Flank of Uinta Basin, Utah



# Celebrating



From left – Emmitt Lockard, NOGS LOG Editor, Dave Reiter, NOGS LOG Editor-Elect, Ed Picou, Historical Committee Chairman, Chuck Holman, NOGS Memorial Foundation Chair and Hillary Sletten, NOGS President

View of The Cannery Meeting Room with slide from Microsoft speaker Garith O'Brien presentation, speaking from Dublin, Ireland



Table Decoration commemorating NOGS 80th Anniversary with selected photos from "Photos from the Past" in the NOGS LOG



Christy Himel, NOGS Administrator with NOGS 80th Anniversary Cake



Celebrating



YEARS

# December Meeting

**Deploying seismic imaging on the cloud**

Several blockers which impede the porting of large seismic workloads from traditional on-prem HPC systems to the cloud.

Objective is to minimise or remove as many HPC infrastructure challenges in seismic imaging which will accelerate the seismic cloud journey.

Challenges	Opportunities
Storage	Large resources
Heterogenous skus	
	Cap-ex control
Fault tolerance	Cloud technologies (AI)

## Leveraging Cloud Technology in the Geoscience Industry

**Presented by: Gareth O'Brien**  
**Microsoft Principal Program Manager**

You are viewing Gareth Shane O'Brien's screen View Options

Microsoft

**Leveraging Cloud Technology in the Geoscience Industry**

Gareth Shane O'Brien  
 Microsoft Azure Global Energy

December 6<sup>th</sup>, 2021  
 NOGS

**Fluid modeling for Carbon Storage**

**Inject & store CO2 in subsurface**

- Site selection
- Monitoring
- Risk assessment

**Uncertainty quantification**

- Repeated simulations (1,000s)
- Slow (hours ~ days)
- Poor scalability (invert stiff matrices)

**Computational geosciences in the cloud**

Viz / Subsurface Analysis      HPC/Simulation      Deep Learning / AI

VM      HPC      AI

Varying compute requirements across the full R&D and workflow lifecycles in industry. Growing HPC demands for seismic innovation, higher resolution reservoir simulations, and AI/ML training

Photographs by Art Christensen

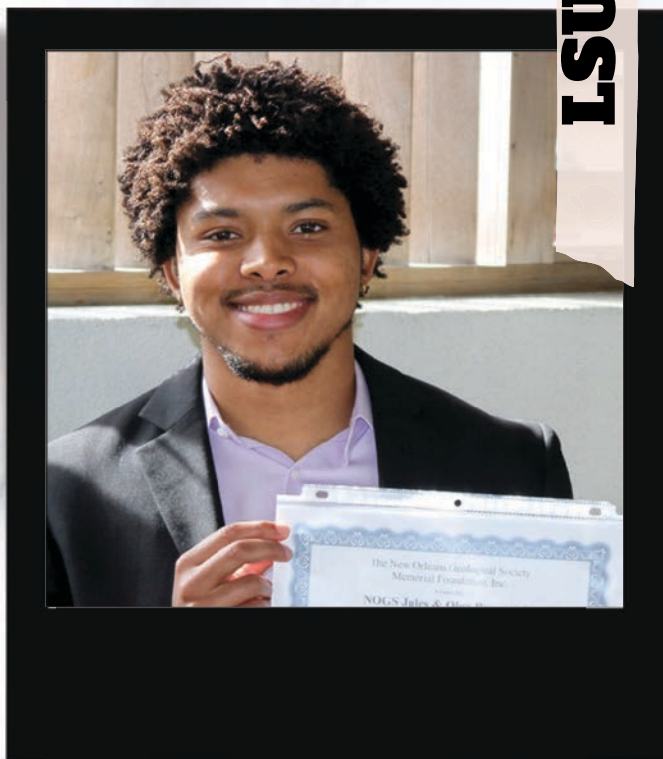




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# 2021/2022 Scholarship Recipients

LSU



LSU Jonothan Chappell

TULANE



Tulane (From left) José Silvestre, Nadim Abu Hashmeh, Nicole Phaneuf & Trap Puckette



UNO

University of New Orleans (From left) Miranda Brengartner, Marley Allen & Brittany George





**Nicole Phaneuf**  
\$2,500 Jules & Olga  
Braunstein Memorial  
Scholarship



**Nadim Abu Hashmeh**  
\$2,500 NOGS  
George W. Schneider  
Scholarship



**Jose Silvestre**  
\$3,000 J.A. Gilreath  
Graduate Scholarship



**Trap Puckette**  
\$2,000 Jules & Olga  
Braunstein Memorial  
Scholarship



**Larry F. Tuttle Jr.**  
\$3,000 Lee H. Meltzer  
Graduate Scholarship



**Mallory Pilié**  
\$2,500 NOGS  
Memorial Foundation  
Scholarship



**Seija Meaux**  
\$2,000 Jules & Olga  
Braunstein Memorial  
Scholarship



**Jonothan Patrick Chappell**  
\$2,500 Jules & Olga  
Braunstein Memorial  
Scholarship



**Brittany George**  
\$3,000 Richard W.  
Boebel Graduate  
Scholarship



**Marley Allen**  
\$2,500 NOGS Memorial  
Foundation Scholarship



**Breanna Roberts**  
\$2,000 Jules & Olga  
Braunstein Memorial  
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**Miranda Brengartner**  
\$2,500 Jules & Olga  
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Scholarship



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# PICTURES FROM THE PAST



**NOGS Past Presidents Luncheon – July 11, 1994, at the New Orleans Petroleum Club**

**Front row – Paul Jurik (1993-94), Ed Picou (1992-93) Pete Peterson\* (1943-44), Lyle Harvey\* (1956-57), Not identified, Tom Philpott\* (1959-60), and Rudy Siegert\* (1977-78)**

**Back row – Jack Langford\* (1991-92), Bill Craig\* (1983-84), Bob Sabaté\* (1984-85), Don Andrews\* (1963-64), Charley Corona (1981-82), Bob Ingram\* (1978-79), Duncan Goldthwaite\* (1982-82), Gordon Frey\* (1969-70), Bob Douglass (1987-88), George Severson (1972-73), and Ray Stephens\* (1973-74)**

**\*Deceased**

***Submitted by  
Ed Picou, Chairman - Historical Committee***



# advertising rates

The New Orleans Geological Society was organized on October 3, 1941, as a non-profit organization for the purpose of facilitating the development of the profession and science of Geology, with specific emphasis to exploration and production of petroleum and natural gas. Secondary related objectives include the dissemination of pertinent geological and environmental technological data, and the maintenance of a high standard of professional conduct of its members. The full history of the Society can be found at [nogs.org](http://nogs.org).

The NOGS LOG is now a digital magazine with live links to your site to reach NOGS Members and support your Society. Please contact Christy Himel [admin@nogs.org](mailto:admin@nogs.org) for placement availability. Full page NOGS LOG advertisers will have their Company LOGO posted on the NOGS Website front page. All advertisers are included on the Society's monthly PowerPoint and listed on the website with a link to their home page. Please check out our website [www.nogs.org](http://www.nogs.org)

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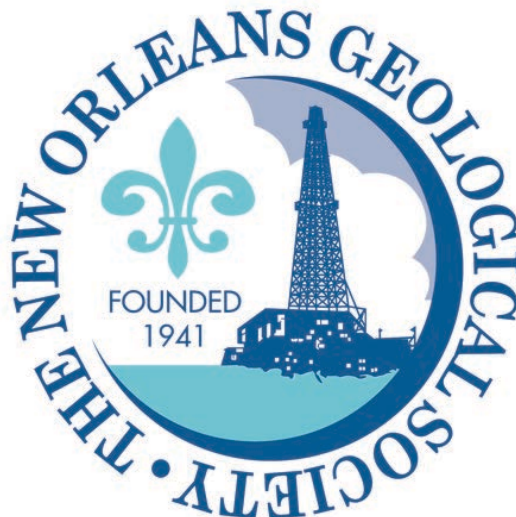
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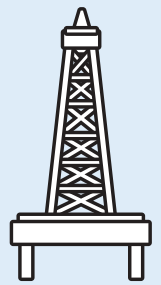
**William “Bill” Whiting is recognized  
by the American Association of  
Petroleum Geologists for his 15 years  
of service to the House of Delegates.**

*Congratulations Bill!*

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# DRILL BITS

## OFFSHORE GULF OF MEXICO SHELF AND DEEPWATER ACTIVITIES BY AL BAKER



During November 2021, the Bureau of Safety and Environmental Enforcement (BSEE) approved 75 Gulf of Mexico (GoM) drilling permits. Thirteen of the permits were for shelf wells, and the remaining 62 permits were for deepwater wells. Of the total number of permits, there were 3 new well permits issued in deepwater.

The 3 deepwater new well permits were granted to BHP Billiton Petroleum (Deepwater) for their Green Canyon 124 #2 exploration well, to Anadarko Petroleum for their Mississippi Canyon 126 #9 exploration well, and to Equinor Gulf of Mexico for their Walker Ridge 271 #1 exploration well.

On November 24th, IHS-Petrodata indicated that the GoM mobile offshore rig supply stood at 46, which is 1 more than last month. The marketed rig supply consisted of 32 rigs, of which 26 were under contract. The marketed rig supply and the contracted rig supply numbers are each 1 more rig than last month. The marketed contracted versus total rig supply utilization rate was 69.6%, and the marketed contracted versus marketed supply utilization rate was 81.3%. By comparison, the November 2020 total fleet utilization rate stood at 60.3% with 35 rigs under contract out of the 58 rigs in the fleet.

On November 24th, Baker Hughes reported that there are 15 active mobile offshore rigs in the GoM, which is 2 more than last month and 57.7% of the rigs under contract mentioned above. Currently, 1 rig is drilling on the shelf, and 14 rigs are drilling in deepwater. They include 5 rigs in the Mississippi Canyon Area, 3 rigs in the Green Canyon Area, 2 rigs in the Alaminos Canyon, and 1 rig each in Keathley Canyon, Walker Ridge, Viosca Knoll, Ewing Bank and Main Pass Areas.

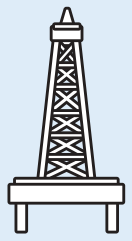
On November 24th, the Baker Hughes total U.S. rig count stood at 569 rigs, which is 25 more rigs than reported at the end of October 2021. Of the 569 rigs, 467 (82.1%) are oil rigs and 102 (17.9%) are gas rigs. A year ago, there were 320 rigs working in the U.S. inferring that the current rig figure represents an 77.8% increase in rigs year over year. Presently, Texas continues to have the largest number of rigs with 273, which is 48% of the total number of rigs in the U. S. Louisiana currently has a total of 49 rigs, which is 2 more than last month. Nationwide, Louisiana continues to rank third in the rotary rig count behind New Mexico, which ranks second with 83 rigs.

On November 17th, the Bureau of Ocean Energy Management (BOEM) held OCS Sale 257 in New Orleans. A total of 33 companies submitted 317 bids on 308 blocks. The sum of the high bids totaled \$191,688,984. There were 140 blocks bid on the shelf and 168 blocks bid in deepwater. Exxon Mobil ranked first in number of high bids by placing bids on 94 shallow water blocks offshore Texas, bidding a total of \$14,889,600 in the sale. Exxon Mobil plans to utilize the acreage as part of a carbon-capture hub that would gather millions of tons of emissions from refineries and chemical plants near the Houston Ship Channel and store them beneath the Gulf of Mexico floor. The sale's largest spender was Chevron, who exposed \$47,128,011 on 34 blocks. Anadarko US Offshore ranked second by spending \$38,997,560 on 30 blocks. They also submitted the sale's highest bid of \$10,001,252 on Alaminos Canyon Block 259. Third-ranked BP Exploration and Production offered \$28,967,128 on 46 blocks.



# DRILL BITS

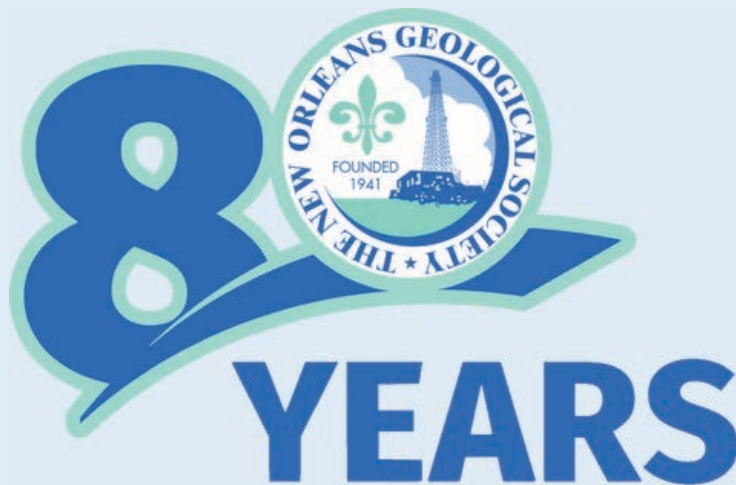
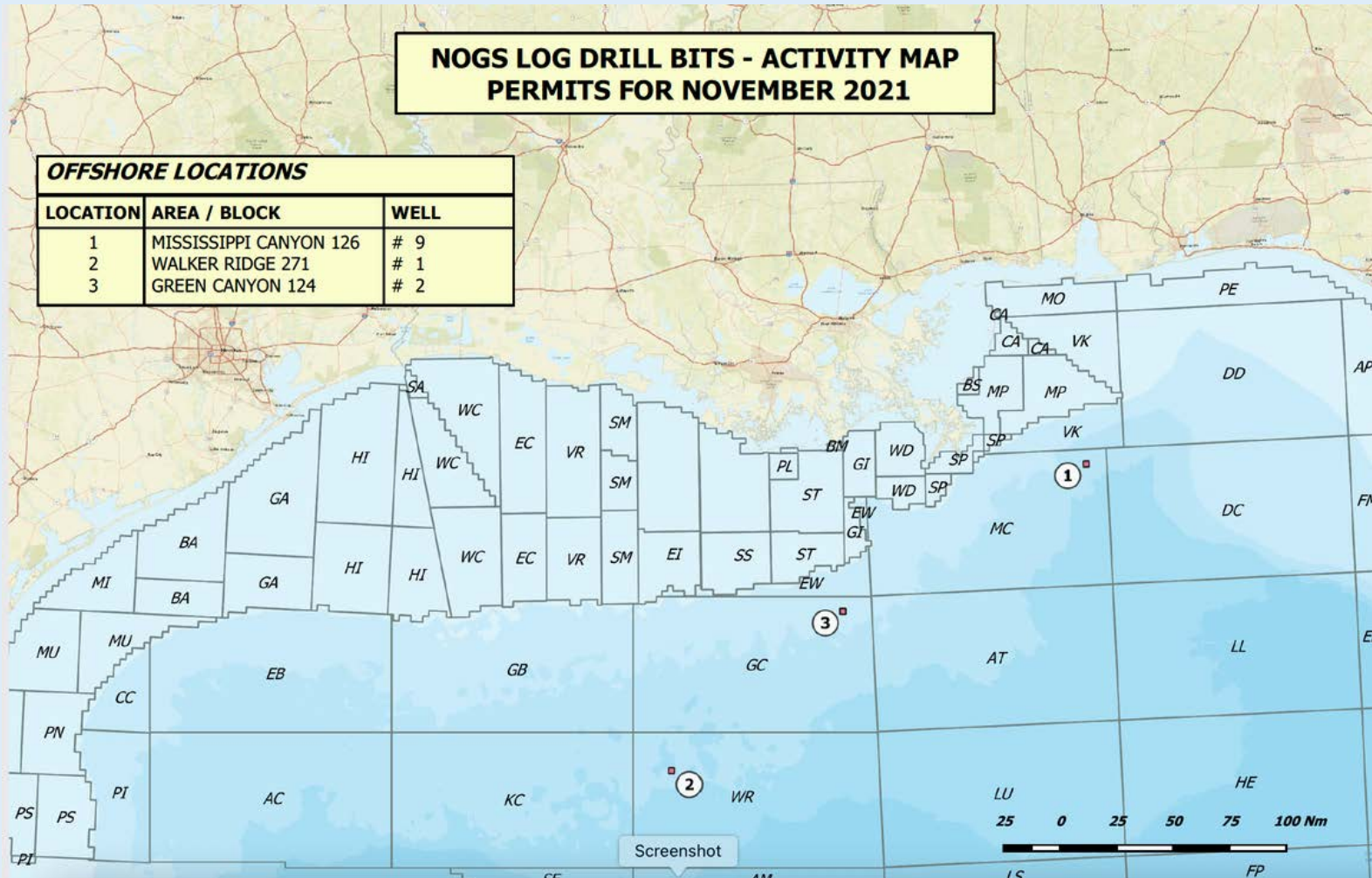
OFFSHORE GULF OF MEXICO SHELF AND  
DEEPWATER ACTIVITIES  
MAP BY KEVIN TROSCLAIR



## NOGS LOG DRILL BITS - ACTIVITY MAP PERMITS FOR NOVEMBER 2021

### OFFSHORE LOCATIONS

LOCATION	AREA / BLOCK	WELL
1	MISSISSIPPI CANYON 126	# 9
2	WALKER RIDGE 271	# 1
3	GREEN CANYON 124	# 2



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# Website

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REMEMBERING  
**JACKIE STEWART**



**NOGS has lost another longtime member with the death of Jackie D. Stewart on September 10, 2021. He would have been 89 on November 27th, having been born in 1932. Jackie was born in Texon, Texas, which was an isolated oil camp owned by the Big Lake Oil Company. Although he attended the University of Texas, he joined the US Army near the end of the Korean in War. Once out of the army, Jackie enrolled in Lamar University in Beaumont, Texas, and graduated with a BS in Geology in 1959. Immediately after graduation, he was employed by The Texas Company, the precursor of Texaco, in their Houston offices. After six months, he was transferred to New Orleans where finished his 32-year career as geologist/geophysicist with the company. Jackie joined NOGS in the early 1960s and was a member of the American Association of Petroleum Geologists, Southeastern Geophysical Society, Society of Exploration Geophysicists, as well as a Trustee of the SEG Foundation. In retirement, Jackie served as President of the Texaco Retirees Club of New Orleans and the Chevron Retirees Club of New Orleans. He was also the first Texaco retiree to serve on the Chevron Retiree Board of Directors. He earned many awards and honors through the years.**

**After Hurricane Katrina, Jackie and his wife Jean moved to Texas, settling in the town of Fulshear. Unfortunately, for the past three years he suffered from a brain trauma and recently of Covid-19. The Society sends its collective condolences to his widow Jean.**

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Ed Picou, Jr.  
Chairman – Historical Committee



NEW ORLEANS  
GEOLOGICAL SOCIETY  
MEMORIAL  
FOUNDATION INC.

Founded March 14, 1978, the mission of the New Orleans Geological Society Memorial Foundation is to promote earth science related or scientific purpose by granting of scholarships to outstanding Geology students at the universities in Southeast Louisiana having a comprehensive curriculum and offering a degree in Geology. The Bill Craig Memorial Fund provides for any earth science related educational or scientific purpose that is a direct benefit to grades K-12 teacher or teachers within the Greater New Orleans Area. This area is defined as the area encompassing New Orleans, Jefferson, Plaquemines, St. Bernard and St. Tammany Parishes.

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# Recent Oil Industry Headlines... December 2021

**12/7/2021 - Representing a wealth of opportunities in the Gulf** - This might not look like a time to be bullish for oil and gas companies, but for W&T Offshore there is a strong sense of optimism for the future. W&T Offshore has weathered the pandemic and is well positioned in the market. Armed with over \$250m in cash, an inventory of high-quality development and exploration opportunities, and a track record of making accretive acquisitions, the company is well-placed to navigate a changing operating environment in the US. [Read Full Article](#)

**12/13/2021 - OPEC sees improved oil demand, with omicron impact 'mild and short-lived'** - OPEC on Dec. 13 sharply raised its forecast for oil demand in the first quarter, narrowing a projected oversupply, as it expects the omicron variant to have a transitory impact on the global economy. The producer organization now sees the world consuming 99.13 million b/d of oil in the first three months of 2022, an increase of 1.1 million b/d from its forecast last month, when pessimism about the spread of omicron, along with lingering -- and in some cases worsening -- hotspots of previously identified variants, had led to some consideration about pausing its planned output hikes. [Read Full Article](#)

**12/14/2021 - U.S. energy secretary says an oil export ban is not in the works** - President Joe Biden's energy chief extended an olive branch to the oil industry Tuesday, telling executives a crude export ban is not under consideration, while assuring them that the administration was "not a bogeyman." Energy Secretary Jennifer Granholm made the virtual remarks Tuesday to an outside advisory group with members including executives from such companies as Exxon Mobil Corp. and Royal Dutch Shell Plc. Her conciliatory tone comes as the administration's policies on energy production, which included a temporary halt to oil leasing on federal lands and the termination of a permit for the Keystone XL pipeline, have drawn the ire of industry. [Read Full Article](#)

**12/17/2021 - Firm Making Blueprint For Reuse Of Old GOM Oil And Gas Assets** - A non-producing and abandoned offshore platform in the U.S. Gulf of Mexico will be transformed into a working fish farm which could create a blueprint for future repurposing options for old oil and gas assets. Innovasea, a provider of aquatic solutions for aquaculture and fish tracking, assisted the Gulf Offshore Research Institute (GORI) to secure federal grant funds to continue its plan to repurpose a defunct oil platform in the Gulf of Mexico for aquaculture. [Read Full Article](#)

**12/22/2021 - Oil prices reach four-week high on declining U.S. crude stocks** - Oil settled at the highest level in nearly a month after U.S. crude stockpiles decreased and economic data pushed equities higher. West Texas Intermediate futures rose 2.3%, closing above \$72 for the first time in two weeks. Prices got a boost after the Energy Information Administration reported crude inventories declined 4.72 million barrels last week. Meanwhile, rising home sales and consumer confidence signaled economic strength, blunting worries about omicron's impact. [Read Full Article](#)

# TOP 10 REASONS TO JOIN NOGS

1

## **Proclaim your professionalism**

With an 80 year history and over 300 active members, NOGS is the premier professional organization for geologists in New Orleans. Adding your name to the ranks declares your pride in the profession you have chosen.

2

## **Advance your career**

NOGS members enjoy educational opportunities and top speakers designed to increase knowledge and keep up with the newest trends in geoscience, both on the national and local levels.

3

## **Advertise your integrity**

NOGS has a reputation of over 75 years for upholding high standards. Align yourself with like-minded geologists and related fields.

4

## **Further your cause**

NOGS was organized for the purpose of facilitating the development of the profession and science of Geology, at the time with a focus on production of oil and gas. Since Hurricane Katrina our objectives expanded to include the dissemination of the geological facts of flood control, engineering and environmental geoscience.

5

## **Network with others who do what you do**

Making connections, between people and ideas, is an important part of any scientific endeavor. Meet others who can help you make those connections.

6

## **Advocate for your profession**

Serious-minded professionals know that serving the profession means responding to calls for action from those who represent the profession. NOGS monitors trends in geoscience education, regulation, and practice standards and periodically advises members on required action.

7

## **Serve your profession and community**

Opportunities for individuals to serve on NOGS committees that work on a variety of issues from building educational programs to sharing knowledge with others to providing scholarships to young geologists in our area.

8

## **Don't reinvent the wheel ... use available resources**

NOGS members can provide you with the resources you need to do your job well. Long-time members remain active and are happy to share their knowledge and best practices.

9

## **Play a part in elevating the status of geosciences.**

Your membership in NOGS and your dedication to geoscience elevates the entire profession.

10

## **Do it for YOURSELF!**

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