

Shreveport Geological Society **NEVVSLETTER**

Volume 67, No. 1

September 2022

2022 – 2023 Shreveport Geological Society Board of Directors



Meet the Board p. 2 Marking History p. 11 Outreach Report p. 23





Bonjour and hello fellow SGS members! I hope you all are excited for another great year of networking, community projects, continued education opportunities, and a lot of fun. If you have any suggestions or ideas for upcoming lunch speakers, please contact the program director, Kurt Ley, to discuss as we only have a few spots left. I am looking forward to the great line-up of speakers Kurt has in store for us. This month we have Mark J. Wojna presenting on Breton Sound which is where I broke out in the patch for Exxon Mobil, back when it was just Mobil.

The market is forecasting 2023 to be a phenomenal year for the Oil & Gas Industry. According to billionaire wildcatter, Autry Stephens, "There's no better time to be in the oil business!" I know we would all like to see tremendous growth and a record setting year.

The 30th Annual ALTAPL-SGS Golf Tournament will be held at East Ridge C.C. on Friday, September 23rd. There will be an awards dinner that evening. This is always a well-attended event, and I encourage all to support by sponsoring, playing in the tournament, or coming to the evening social. Fees for social/dinner are \$35 per person.

I am looking forward to all of the upcoming lunch meetings and social events, reconnecting with old friends, and meeting new ones. Here's hoping 2022-2023 is a successful year for all...and as we say down da bayou, Laissez le bon temps rouler!

Michael Danos

Meet The Board



<u>President</u> Michael Danos holds a B.S. in Business Administration and Finance from Northwestern State University. He has worked throughout the oilfield since 1994 gaining a background that includes offshore construction, gas cryogenics, and field geology. Michael co-founded Toledo Mudlogging in 2002 and become President in 2013, a position that he currently holds. In his free time, Michael enjoys

hunting & fishing with his kids and friends. He is honored to serve as President of the SGS Board of Directors this year.



First Vice President Kelly Byram is currently a geologist for TYGR Energy. He has spent his career generating prospects in the Ark-La-Tex for various companies including Crystal Oil, Medallion Production Co., KCS Resources and Petrohawk Energy. Kelly is a private pilot who enjoys flying whenever and wherever he can. He is married and has two sons and a daughter.



<u>Second Vice President</u> Kurt Ley began his career as a geologist for Superior Oil in 1981. He later worked for Tenneco, Apache, and Stroud Production before co-founding Kingwood Exploration in 2007. He has served on several industry and local boards and was SGS President in 2008. Kurt and his wife Patti stay busy with their 9 grandchildren, but in their spare time, they enjoy traveling – splitting their trips

between mountain hikes and the beach.

Meet The Board

(continued)



<u>Secretary</u> Gary Abrams is approaching 20 years at Stroud Exploration. He graduated with a BS in geology from Vanderbilt University and an MS from the University of Texas at El Paso. Gary is actively working TX, LA, and MS and served previously as VP and President of SGS as well as President of SPDA. He enjoys sports, traveling, as well as time at Lake Bistineau.



<u>**Treasurer</u>** Will Downs is an established oil and gas industry executive with 41 years of experience in public and private E&P, A&D, and service sectors. He earned a B.S. in Geology from Centenary College of Louisiana.</u>

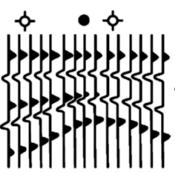


Board Member Bezany Branton has been a geologist at Jones Environmental, Inc. for 18 years. She moved from Venezuela in 1997 to attend Louisiana Tech University. She graduated with a BS in Geology in 2004. In her free time, she enjoys spending time with her adorable kids, Leo and Vanessa, and their new puppy, Rocco.



Board Member Miller Horton is a Geologist with Jones Environmental and looks forward to his first year as an SGS board member. In his free time, Miller enjoys hiking, bicycling, photography and spending time with his family at the lake.

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Meet The Board

(continued)



Board Member Bobby Raines has worked as an oil and gas geologist and environmental geologist in the Shreveport area for the past 38 years. Bobby graduated from Northeast Louisiana University (Now ULM) with a BS in Geology in 1982. He most recently worked at Cardinal Gas Storage Partners and ALTEC Environmental Consulting. He is currently self-employed providing oil and gas/environmental consulting services. Bobby

enjoys playing golf and traveling with his wife.



Board Member Richard Taylor is serving his second term on the Board of Directors for SGS. He carried the positions of 2nd Vice President and President from 2005-2007. Mr. Taylor has been an independent geologist for most of his career. In his free time, he enjoys listening to local musicians with friends.



Executive Assistant to the Board Annie Green is a Geotech for Nadel and Gussman and looks forward to her sixth year working with Shreveport Geological Society. Additionally, she serves on the boards of the Metropolitan Planning Commission, Christmas festival, and National Night Out in her hometown. In her free time, Annie enjoys outdoor adventures with her husband and three sons.



Keep in Touch through the Shreveport Geological Society LinkedIn Group.

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Thank You!

To be a Faithful Friend for 2022-2023, please contact Kelly Byram.



Calendar of Events

<		Sept	ember 2	022		>
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18	19	20	21	22	23	24
25	25	27	28	29	30	

View this interactive calendar at <u>SGS1.org</u>

September 16 RSVP for the Meeting

September 20 Monthly Meeting Mark J. Wojna presents "Breton Sound – A Conventional Deep Water Play in Shallow Louisiana State Waters" In-person 11:30 a.m. - 1 p.m.; Petroleum Club 15th Floor Virtual 12:00 p.m. - 1 p.m. Zoom

SGS-ALTAPL Golf Tournament

On the Cover: 2022-2023 Board photographed by The Harrington House Photographic Studio & Gallery.

Interior Art: Page 1 "Fabulous Finds Series No. 38" (detail) by Christine Bailey, courtesy of the Bailey Art Gallery at 214 Texas Street. More at <u>Bailey-Gallery.com</u>. Page 17 "Entrance" (detail) by Mary Virginia Hill.

Got news? Geology photos for the cover? Meeting page art? Email it to the editor today: <u>1RachelMcNerney@gmail.com</u>



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First Commercial Use of Natural Gas in Louisiana

By David Williamson and Matthew Chumley

Years ago, a historical marker stood in downtown Shreveport just south of where Market Street crosses Twelve Mile Bayou. This historical marker commemorated the first commercial use of natural gas in Louisiana that occurred in 1870. The marker was sponsored by the Shreveport Desk and Derrick Club and erected in 1976 (see newspaper article on page 15).

About 40 years later the marker was run over by a vehicle and left in shambles on the side of the road for several years. Several members of the Shreveport Geological Society contacted the City of Shreveport in an attempt to get the historical marker re-installed. The City finally removed the marker and said they would put it back up. Time past and the SGS members contacted the City about the status of the marker and learned it had been lost.

In 2020, Matthew Chumley (pictured below, left) with the SGS began an initiative to get a new historical marker to replace the one that





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2025 Woodberry Avenue Shreveport, LA 71106 was lost. The Louisiana Office of Culture, Recreation and Tourism was contacted for information on the process to obtain a new historical Marker. The SGS completed an application for a new historical maker and began the process of working with the Louisiana Office of Tourism to purchase a new marker. The SGS solicited donations from its members to raise money to pay the \$2,160 cost for a new marker. On February 15, 2022 Mathew Chumley received a letter from Lynne Coxwell, Director of Research with the Louisiana Office of Tourism which advised the application for reorder of the historical marker had been approved. The letter also advised that the Louisiana Department of Transportation and Development would handle installation of the marker.

The marker was received by DOTD and the SGS was notified it had been delivered and was ready to be installed. Matthew Chumley and David Williamson met with representatives of DOTD on July 25, 2022 on the site to confirm where the marker was to be installed. SGS contacted the City to get the site cleaned up for installation of the

marker. The City cleaned up the site. DOTD advised on July 27th that the carpenter crew had completed installation of the historical marker.

Once again, the public can be advised that the first commercial use of natural gas in Louisiana was in Shreveport in 1870. Thanks to many exploration geologists natural gas continues to be produced today for use as a clean and efficient viable fuel to meet the needs of our citizens.



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Discovery of natural gas recalled

Natural gas was discovered in Shreveport 106 years ago along the banks of Crosa Bayou.

There was no fanfare, no rush for leases. The city's 2,000 pioneer citizens calmly went about their daily routine, bitle aware of the significance of this event.

Great moments in history often come about as the result of some such seemingly insignificant chance happening. In this case, euriosity, nightfall, a match and natural gas provided the ingredients for one of those unique episodes in history. In 1870, natural gas was a strange,

In 1870, natural gas was a strange, unexplained phenomenon which was continually causing only headaches for those in the fledgling oil industry. The pages of history were already full of notes and anecdotes about strange gases that burn.

It had been only 11 years since Col Edwin Drake completed the first well deliberately drilled in search of petroleum. Man was beginning to find practical uses for this product, but it was becoming painfully evident that natural gas and crude oil were somehow closely linked. Thus, it became obvious that some solution was needed for the strange, highly flammable gas frequently found with oil.

It was at this point that the historic local vignette was beginning to unfold. Here is how it has been told through the years:

The Shreveport Ice Manufacturing Co. was a prospering concern in 1870, so much so that an improvement in the source of its raw material, water, was necessary. The company decided to drill a deep water well near the plant to meet this need. The well was started on the south bank of Cross Bayou about 100 yards west of where Market Street now crosses the waterway. With the latest tools and techniques of the day, the well was drilled to a depth of 961 feet. With approaching darkness, workmen called a halt to operations and retired for the night.

The ice plant night watchman began making his rounds soon after. He could vaguely make out the large pipe protruding from the ground which kept the sides of the well from caving in. Being naturally curious, he wanted to get a closer look at the drilling equipment.

He took a match from his pocket, noticing a strange "wind" coming up from the newly drilled hole. He struck the match on the pipe, and as he raised it overhead to better spread the light, his hand moved the match over the open pipe. The area instantly exploded into a searing light as the "wind" in the pipe was gimited.

The watchman fled in terror.

The next morning there was some talk around town about the fire at the ice plant the previous night. But, there being no apparent damage, the event was quickly forgotten by all except a few people around the plant.

History fails to record who had the



Gas well marker

Members of the Shreveport Desk and Derrick Club pose with the historical marker that will be placed Wednesday at 90 Market St. marking the site of the first commercial gas well in the State of Louisiana. Participants are: (Eft to right) Laverne Broussard, chairman of the public relations committee of Desk and Derrick Club; Jack Somner, chairman of the board of W. L. Somner Co., who provided the sign; Joan Bankston and Mary Ashcraft, both club members active in the project.

ingenuity to capture the "wind" from the well and put it to use. As a result of this resourcefulness, the ice plant thus became, as far as is known, the first building to use natural gas in the State of Louisiana when it was piped into the building for illumination.

Next Wednesday, members of the Shreveport Desk and Derrick Club, public officials and officials of Shreveport's gas and oil industry will gather near the site of this well to erect a permanent marker designating the site as an official state historical landmark.

The project of locating and authenticating the site of this first well was undertaken by members of the Shreveport Desk and Derrick (Jub in commemoration of the Bicentennial year and the 75th anniversary of the oil and gas industry in Louisiana. Months of research and diligent effort went into the verification of the data, and involved individuals from all over the state.

The women were aided in their efforts by grants from W. L. Somner Co., Inc., and Arkansas Louisiana Gas Co.

The inscription on the marker reads "In 1870 natural gas and water gushed from a 961 ft. water well drilled near this spot by the American Well Works for the Shreveport lee Manufacturing Co. The gas was used to light the plant and is the first documented commercial use of natural gas in Louisiana."

"Gas" was not an unfamiliar term to Louisianians and Shreveporters when this first natural gas was discovered in the area. Since 1859, Shreveport homes and businesses had been heated by "manufactured" gas - a product made from coal, coke or oil, or by harnessing residue gas produced by burning pine knots. It was crude, but its use provided technology necessary to begin commercial use of natural gas. The use of manufactured gas, and then natural gas for commercial and residential purposes was the beginning of a new era for Shreveport.

By 1906, one year after the first producing oil well was drilled in Caddo Parish, natural gas was being distributed through a citywide pipeline system, thus making Shreveport one of the first cities in the South to have natural gas service.

Shreveport, sitting in the center of a great many rich of and gas fields, became the hub of the energy industry. Transmission and distribution offices were headquartered here, and expansion and growth of the gas industry continued at the same rapid rate as the city itself.

From a beginning so unpretentious, arousing great surprise from the ice company watchman but so little interest from the public, Shreveport has grown from the first city in Louisiana to use natural gas, to a leader in the oil and gas industry.

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The September Meeting Make your RESERVATION

Mark J. Wojna

presents

"Breton Sound – A Conventional Deep Water Play in Shallow Louisiana State Waters"

Tuesday, September 20

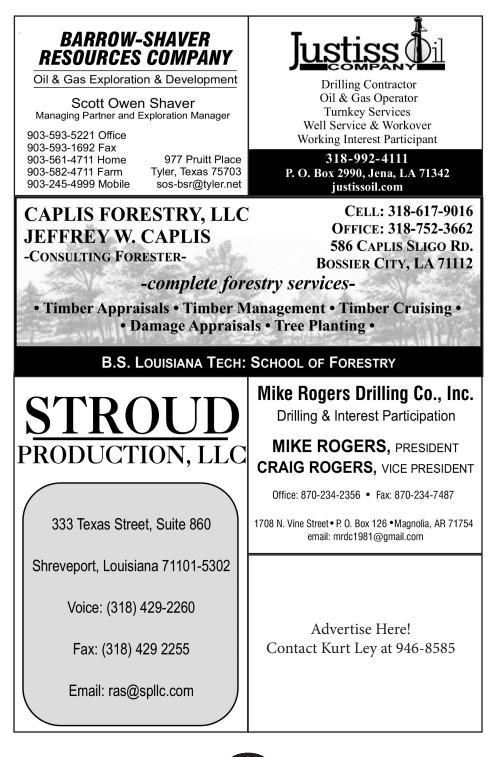
Virtual 12:00 p.m. Zoom \$10

In-Person

11:30 a.m. Petroleum Club of Shreveport \$25 (Children 10 and under \$8)

We encourage members to invite guests, spouses, and friends to any of our meetings.

If you'd like a seat, kindly **RSVP** by **Friday, September 16** at <u>SGS1.org</u> or by calling Kurt Ley at 318-946-8585



Biography

Mark J. Wojna joined LLOX Onshore Exploration as a Senior Explorationist in December 2019. Mark was previously Vice President of Exploration for Upstream Exploration from the company's inception in February 2016 through its sale in October 2019. Prior to Upstream, Mark served as Gulf Coast Exploration Manager for Century Exploration New Orleans from 2008 to 2015. Mark's 29 year career with Century was focused on oil and gas



exploration and development in the federal OCS and state waters of Louisiana and onshore South Louisiana. Mark was instrumental in developing and growing the geopressured Middle Miocene trend in Breton Sound for Century Exploration and Upstream Exploration. Mark had a technical paper published on Century's discovery and development of Breton Sound 53 Field in the New Orleans Geological Society's 2010 South Louisiana Oil & Gas Fields Guidebook. Mark is a native of Detroit, Michigan. He has a Bachelor of Science degree in Geology from Michigan State University and a Master of Science degree in Geology from the University of Southern Mississippi.

Abstract

The geopressured Middle Miocene section remains an attractive conventional exploration and development play in South Louisiana. This presentation summarizes recent exploration efforts in the Breton Sound geopressured section. The geopressured Middle Miocene section in Breton Sound produces at high flow rates, is liquid rich and generates strong cash flow. A deep-water depositional model was utilized to develop new exploration opportunities in the geopressured section. Seismic AVO analysis was used to high-grade prospects. All these factors combined create an attractive opportunity for future exploration growth throughout South Louisiana in the geopressured section.



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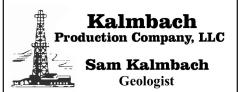
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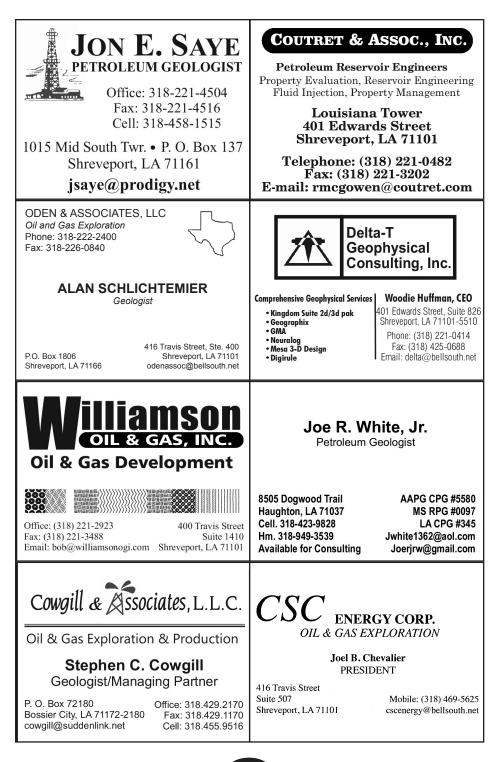
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Photos from the May Meeting *Photos by Brenda Pender*

Scott Comegys presented "Automated well log digitizing using machine learning." Members and guests enjoyed the final lunch meeting of the year. The video for Scott Comegys' talk has been posted on the SGS website. See page 21 for details.





Outreach Report by David Williamson, edited by Rachel McNerney

Recently, David Williamson made a presentation, on behalf of the Shreveport Geological Society, to about 40 students ages 4 through

12, who attend the "Classical Conversations" homeschool at Gateway Church on Youree Drive. This came about after Kelly Chartier, the director of the homeschool group, submitted a contact form on the website asking for a SGS volunteer to make the presentation.

The students had been studying rocks and minerals and were knowledgeable, attentive and polite. They knew a lot about geology for their age!

m nen

Some SGS members have said they would give a presentation but they don't know what to do. David says it depends on the style that's comfortable to the presenter and appropriate for the audience, and offers further pointers and encouragement:

I have been giving talks on geology, rocks/minerals and fossils since I graduated from college in 1972. I used to give a lot of talks to environmental groups like the Sierra Club – not the friendliest audience –



Rotary Clubs, professional organizations (engineers, geologists,

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surveyors, realtors and others) on geology and mining. I have also done debates on public television about the pros and cons of strip mining. This debate had the second largest viewing audience – the audience for the debate on gun control was larger.

I have given talks on geology and rocks and minerals to school groups and since scouts my daughter in was elementary school. She is a junior at Ole Miss now, so it's been a few years.



Some of her friends still call me the "Rock Guy". The presentation is directed at the age of the group and the education they are getting. I have talked to some kindergarten and elementary age kids who knew more about geology than middle or high school age students. I have found the younger kids are more willing to talk, ask questions and participate.

I always ask up front if anyone knows a geologist and we talk about the work that geologists do to explore for various commodities – oil/gas, coal, minerals, etc. We talk about the word "geology" and its origin from the Greek – geos (earth) and logy (study of). Someone usually asks what I do as a geologist or what I like best about the work I do.

I make the presentations by explaining there are there types of rocks – sedimentary, metamorphic and igneous – and show many examples of each. The approach is to not just show and name the rocks and minerals but talk about how a geologist works in the field to find them, identify them and what they are used for. I use various granites of different types and colors, volcanics (scoria, pumice), slates, schists, mica, sandstone, claystone, salt, sulphur, coal, ironstone, etc. – I have a large rock collection to choose from. As I show and talk about each rock

we talk about their basic properties – color , heft, texture, hardness, crystal faces (if any), smell, taste, etc.

I show fossils and several plastic dinosaurs and we have the obligatory discussion about dinosaurs – most of the younger kids can name more dinosaurs than you or I. I show a piece of amber and we talk about the movie Jurassic Park – they all know about this movie – and where those dinosaurs came from. They all can tell you the story about finding dinosaur DNA in the insect that was trapped in the amber.

I always ask for volunteers to help as we go through the presentation and it works well. They lick the salt, rub the chunk of

sulphur and smell it and then we all laugh as they tell their classmates what it tasted like or smelled like. We use graphite and a streak plate to talk about using streaks and color to help identify rocks. They use graphite to make a mark on paper and are surprised to learn they can write with a rock.



As we go along, we talk about what the rocks and minerals are used for and if anyone uses anything made from rocks and minerals. Usually this gets a blank stare. So I ask questions – How did you get to school? If you came in a car what was it made of? This leads into a discussion of what things are made of that we use every day – iron and steel to make the car, gasoline to fuel it, sulphur used in making tires, graphite in the pencils they write with, natural gas and coal used to produce electricity, etc. I show rock cores and drill bits and we talk about drilling and mining to produce various minerals for our use.

It's a fun, learning experience that takes about 30 to 45 minutes depending on the degree of interest and questions. I encourage any of those in SGS that are willing to make a presentation to a group of students to do so. You will learn there is hope for Geology in the future.

Meeting Videos Online Now

Visit <u>https://sgs1.org/continuing-education</u> to find recordings from this year's meetings available for \$10 each. Contact <u>ShreveportGeological@gmail.com</u> if you have any issues.



WELCOME / ABOUT US / EVENTS / EDUCATION / MEMBERSHIP

SCHOLARSHIPS MAPS IN SCHOOLS THE MOCK DIG LECTURES CONTINUING EDUCATION

Continuing Education

Shreveport Geological Society members can earn continuing education credit by participating in short courses offered by the SGS on an annual basis, and by taking advantage of the opportunities for continuing education provided below. Fifteen (15) hours of continuing education are required for the annual renewal of a P.G. license, with one of those hours in the area of Professional Ethics. Visit the Louisiana Board of Professional Geoscientists website for more information. If you have suggestions for continuing education opportunities, please submit them here.

Upcoming Opportunities

Check back soon for more.

SGS Meeting Videos



Exploration for Precious and Base Metals in Alaska - The Last Frontier

10.00

Presented by George W. Roth on September 21, 2021



Coring and New Technology \$10.00

Presented by Blake Mock on October 19, 2021



Making the most out of your geochemical data

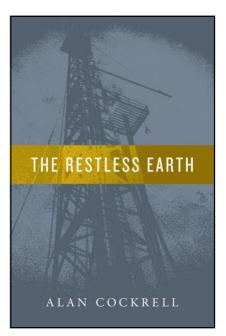
Presented by Craig D. Barrie on November 16, 2021

Invest in the Future

You can **donate** to the SGS Scholarship Fund online at <u>SGS1.org</u> or by writing a check to the SGS with "Scholarship" in the memo line, and you may include an **"in memory of" or "in honor of"** note as well.

> Mail to: Shreveport Geological Society, P.O Box 750, Shreveport, LA 71162.

Finally, a novel for, and about, oil hunters. Enjoy a journey back into the way it was.



Inspired by actual events in the 1950s rural South

The moneymen turned him away, laughing, sneering, saying his science was bad; saying he was too far away from oil, calling him a fool, a dupe, a hopeless loser. His peers, smelling the stench of failure, distanced themselves from him. His lenders—the few he had—fidgeted, fearing he was unlucky.

His bills and worries mounted. His drilling rig, "Lucky Lucy," true to the antithesis of her name, broke down almost daily. His crews, tired of working for nothing, threatened to walk away.

Crafty, whispering voices, from figures watching from the shadows, schemed to get that which he sought, if he were lucky enough to find it. Eager, desperate faces of farmers, merchants and townspeople stood aside watching, waiting, praying his luck would be theirs, as well.

Few believed him, and as his bit twisted its way into the Earth's mysterious belly, one who did, a woman he wondered if he could trust, told him what he couldn't seem to fathom—that his real discovery would not likely be at the bottom of his hole.

The Restless Earth is published by WordCrafts Press and can be ordered in paperback, hard cover or e-book from Amazon Barnes&Noble and other worldwide outlets.

CALL FOR PAPERS



SUBMIT A TALK OR POSTER ABSTRACT **DEADLINE: DECEMBER 15, 2022**

www.geogulf2023.org



of the Gulf Coast Association of Geological Societies **72nd Annual Meeting** (GCAGS)

THEMES/SESSIONS

Sulf of Mexico Power Plays

Eagle Ford, Haynesville, Austin Chalk, Smackover Research and Field Studies

GOM Shelf and Deepwater Wilcox, Miocene, Plio-Pleistocene, Norphlet

Jnconventional Play Landing Zones, Source Rocks Optimizing Reservoir Assets

Mexico and Caribbean Plays

Central America's Fields and New Plays

Seismic Interpretation, CCUS, Geothermal Transformative Technologies Data Analytics, Computer Technology, Business, Profits, Strategies Geo-startups, Ideas, Disruptors

HGS History- 100 Years

in the Gulf





Monthly Permits – July 2022 Provided by ABCD GIS Mapping

Louisiana Permits

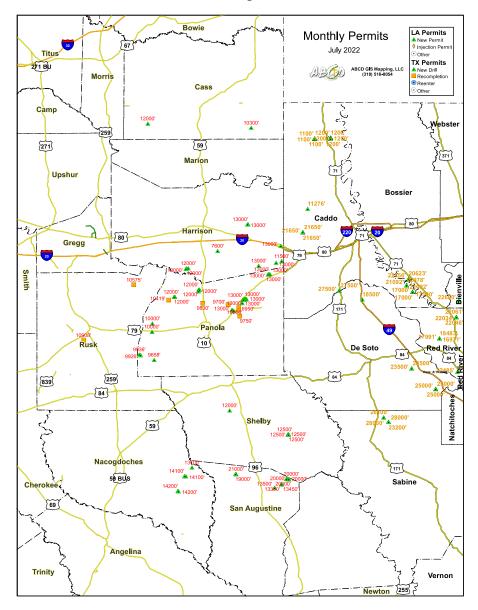
Permit Date	County	Well SN	Operator	Well Name	Depth
7/1/22	BIENVILLE	253587	AETHON ENERGY OPERATING LLC	HA RA SU82;S CEM 22-15 HC	22600
7/1/22	CADDO	253575	KELLY BAYOU PRODUCTION	MIDYETT	1200
7/1/22	CADDO	253576	KELLY BAYOU PRODUCTION	MIDYETT	1200
7/1/22	CADDO	253570	KELLY BAYOU PRODUCTION	MIDYETT	1200
7/1/22	CADDO	253578	KELLY BAYOU PRODUCTION	MIDYETT	1200
7/1/22	CADDO	253579	KELLY BAYOU PRODUCTION	MIDYETT	1200
7/1/22	CADDO	253580	KELLY BAYOU PRODUCTION	MIDYETT	1200
7/1/22	CADDO	253581	KELLY BAYOU PRODUCTION	HOSS FEE	1200
7/1/22	CADDO	253582	KELLY BAYOU PRODUCTION	HOSS FEE	1200
7/5/22	CADDO	253585	AETHON ENERGY OPERATING LLC	HA RA SU87;CUPPLES 12 H	17000
7/5/22	CADDO	253586	AETHON ENERGY OPERATING LLC	HA RA SU87;CUPPLES 12 H	17000
7/6/22	CADDO	253588	TRINITY OPERATING (USG), LLC	GRAY	11276
7/11/22	CADDO	253591	BPX (WSF OPERATING) INC	HA RA SUGG;M&M 1-26 HC	22978
7/11/22	CADDO	253592	BPX (WSF OPERATING) INC	HA RA SUGG;M&M 1-26 HC	21092
7/11/22	CADDO	253593	BPX (WSF OPERATING) INC	HA RA SUGG;M&M 39-26 HC	21092
7/13/22	CADDO	253594	EGH OPERATING, LLC	ANKERSON	1100
7/13/22	CADDO	253595	EGH OPERATING, LLC	ANKERSON	1100
7/13/22	CADDO	253596	EGH OPERATING, LLC	ANKERSON	1100
7/13/22	CADDO	253597	EGH OPERATING, LLC	ANKERSON	1100
7/13/22	CADDO	253598	EGH OPERATING, LLC	ANKERSON	1100
7/13/22	CADDO	253599	EGH OPERATING, LLC	ANKERSON	1100
7/13/22	CADDO	253615	AETHON ENERGY OPERATING LLC	HA RA SU87;CUPPLES 12 H	17500
7/14/22	CADDO	975899	BAYOU STATE OIL CORPORATION	HOSS SWD	0
7/15/22	RED RIVER	253618	SWN PRODUCTION (LOUISIANA), LLC	HA RA SUI;LAWSON 15&22-14-10HC	22061
7/15/22	RED RIVER	253619	SWN PRODUCTION (LOUISIANA), LLC	HA RA SUI;LAWSON 15&22-14-10HC	22046
7/15/22	RED RIVER	253620	SWN PRODUCTION (LOUISIANA), LLC	HA RA SUI;LAWSON 15&22-14-10HC	22034
7/15/22	SABINE	253616	GEP HAYNESVILLE II, LLC	SP CATTLE 36-1-12 HC	28000
7/15/22	SABINE	253617	GEP HAYNESVILLE II, LLC	SP CATTLE 25-24-13 HC	28100
7/18/22	BOSSIER	253624	BPX (WSF OPERATING) INC	HA RA SU142;MRH 26-1 HC	20623
7/18/22	BOSSIER	253625	BPX (WSF OPERATING) INC	HA RA SU142;MRH 26-23-14 HC	22356
01.021.00				HA RA SU150;ROB8&17&20-15-	
7/18/22	CADDO	253627	CHESAPEAKE OPERATING, L.L.C.	14HC	27500
7/18/22	CADDO	253628	CHESAPEAKE OPERATING, L.L.C.	HA RA SU150;ROB 8&17-15-14 HC	27500
7/18/22	DE SOTO	253621	SWN PRODUCTION (LOUISIANA), LLC	HA RA SUL;FELIX 23&14-11-11 HC	25000
7/18/22	DE SOTO	253622	SWN PRODUCTION (LOUISIANA), LLC	HA RA SUL;FELIX 23&14-11-11 HC	25000
7/18/22	DE SOTO	253623	SWN PRODUCTION (LOUISIANA), LLC	HA RA SUL;FELIX 23&14-11-11 HC	25000
7/20/22	CADDO	253631	TRINITY OPERATING (USG), LLC	HA RA SU132;SL HEROLD 23-14 H	21650
7/20/22	CADDO	253632	TRINITY OPERATING (USG), LLC	HA RA SU132;SL HEROLD 23-14 H	21650
7/20/22	CADDO	253633	TRINITY OPERATING (USG), LLC	HA RA SU132;SL HEROLD 23-14 H	21650
7/20/22	SABINE	253629	GEP HAYNESVILLE II, LLC	FRANK FOX 6-7-18 HC	28000
7/20/22	SABINE	253630	GEP HAYNESVILLE II, LLC	FRANK FOX 31-30 HC	23200
7/21/22	DE SOTO	253634	CHESAPEAKE OPERATING, L.L.C.	HA RA SURR;NP 25&36-12-12 HC	23500
7/21/22	DE SOTO	253635	CHESAPEAKE OPERATING, L.L.C.	HA RA SURR;NP 25&36-12-12 HC	23500
7/25/22	DE SOTO	253639	EXCO OPERATING COMPANY, LP	HA RA SU162; DAVIS 19-18 HC	18500
7/26/22	RED RIVER	253640	BPX OPERATING COMPANY	HA RB SU92;NAC ROYALTY 34 H	22485
7/26/22	RED RIVER	253641	ENSIGHT IV ENERGY MANAGEMENT, LLC	HA RB SU78;KERVIN ETAL 13 H	18483
7/26/22	RED RIVER	253642	ENSIGHT IV ENERGY MANAGEMENT, LLC	HA RB SU78;KERVIN ETAL 13 H	17991
7/26/22	RED RIVER	253643	ENSIGHT IV ENERGY MANAGEMENT, LLC	HA RB SU78;KERVIN ETAL 13 H	16971

See Map and Texas Permits on following pages.

Monthly Permits – July 2022

Provided by ABCD GIS Mapping

Map



See Permits listed on previous and following pages.

Monthly Permits – July 2022 Provided by ABCD GIS Mapping

Texas Permits

7/1/22 PANOLA 36532461 SHERIDAN PRODUCTION CO III, LLC Recompletion 9700 7/1/22 AUGUSTINE 40530448 XTO ENERGY INC. New Drill 21000 7/7/22 SHELBY 41931849 XTO ENERGY INC. New Drill 20000 7/7/22 SHELBY 41931851 XTO ENERGY INC. New Drill 20000 7/7/22 SHELBY 41931851 XTO ENERGY INC. New Drill 20000 7/7/22 SHELBY 41931852 XTO ENERGY INC. New Drill 20000 7/7/22 HARRISON 20335531 ROCKCLIFF ENERGY OPERATING LLC New Drill 13000 7/8/22 PANOLA 36538721 TANOS EXPLORATION II, LLC New Drill 13000 7/8/22 HARRISON 20335533 ROCKCLIFF ENERGY OPERATING LLC New Drill 13000 7/8/22 PANOLA 36532193 R. LACY SERVICES, LTD. Recompletion 9830 7/11/22 AUGUSTINE 40530744 PINE WAVE ENERGY PARTNERS OP,LLC New Drill 13000	AppDate	County	API	Operator	Purpose	TD
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7/12/22 HARRISON 20335528 COMSTOCK OIL & GAS, LLC New Drill 13000 7/12/22 SHELBY 41931850 XTO ENERGY INC. New Drill 20000 7/12/22 SHELBY 41931853 EAGLE OIL & GAS CO. New Drill 13000 7/12/22 SHELBY 41931853 EAGLE OIL & GAS CO. New Drill 13000 7/12/22 SHCLBY 41931853 EAGLE OIL & GAS CO. New Drill 14100 7/13/22 NACOGDOCHES 34733445 AETHON ENERGY OPERATING LLC New Drill 14100 7/14/22 PANOLA 36538748 ROCKCLIFF ENERGY OPERATING LLC New Drill 13000 7/14/22 PANOLA 36538750 ROCKCLIFF ENERGY OPERATING LLC New Drill 13000 7/14/22 PANOLA 36538751 ROCKCLIFF ENERGY OPERATING LLC New Drill 13000 7/15/22 SHELBY 41931844 LEGACY RESERVES OPERATING LLC New Drill 12500 7/15/22 NACOGDOCHES 34733455 AETHON ENERGY OPERATING LLC New Drill 120		SAN			1	
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7/12/22 SHELBY 41931850 XTO ENERGY INC. New Drill 20000 7/12/22 PANOLA 36538770 ROCKCLIFF ENERGY OPERATING LLC New Drill 13000 7/12/22 SHELBY 41931853 EAGLE OIL & GAS CO. New Drill 12000 7/13/22 NACOGDOCHES 34733447 AETHON ENERGY OPERATING LLC New Drill 14100 7/13/22 NACOGDOCHES 34733447 AETHON ENERGY OPERATING LLC New Drill 13000 7/14/22 PANOLA 36538748 ROCKCLIFF ENERGY OPERATING LLC New Drill 13000 7/14/22 PANOLA 36538750 ROCKCLIFF ENERGY OPERATING LLC New Drill 13000 7/14/22 PANOLA 36538751 ROCKCLIFF ENERGY OPERATING LLC New Drill 13000 7/15/22 SHELBY 41931844 LEGACY RESERVES OPERATING LLC New Drill 12500 7/15/22 NACOGDOCHES 34733454 AETHON ENERGY OPERATING LLC New Drill 12700 7/15/22 NACOGDOCHES 34733455 AETHON ENERGY OPERATING LLC <td< td=""><td>7/12/22</td><td>HARRISON</td><td>20335528</td><td>COMSTOCK OIL & GAS, LLC</td><td>New Drill</td><td>13000</td></td<>	7/12/22	HARRISON	20335528	COMSTOCK OIL & GAS, LLC	New Drill	13000
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7/14/22 PANOLA 36538748 ROCKCLIFF ENERGY OPERATING LLC New Drill 13000 7/14/22 PANOLA 36538750 ROCKCLIFF ENERGY OPERATING LLC New Drill 13000 7/14/22 PANOLA 36538750 ROCKCLIFF ENERGY OPERATING LLC New Drill 13000 7/14/22 PANOLA 36538751 ROCKCLIFF ENERGY OPERATING LLC New Drill 13000 7/14/22 PANOLA 36538751 ROCKCLIFF ENERGY OPERATING LLC New Drill 12500 7/15/22 SHELBY 41931844 LEGACY RESERVES OPERATING LLC New Drill 12500 7/15/22 NACOGDOCHES 34733454 AETHON ENERGY OPERATING LLC New Drill 13000 7/15/22 NACOGDOCHES 34733455 AETHON ENERGY OPERATING LLC New Drill 13000 7/15/22 HARRISON 20335534 ROCKCLIFF ENERGY OPERATING LLC New Drill 13000 7/15/22 HARRISON 20335535 ROCKCLIFF ENERGY OPERATING LLC New Drill 13000 7/15/22 PANOLA 36538756 SPONTE OPERATING, LC<	7/13/22	NACOGDOCHES	34733447	AETHON ENERGY OPERATING LLC	New Drill	14100
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7/14/22 PANOLA 36538750 ROCKCLIFF ENERGY OPERATING LLC New Drill 13000 7/14/22 PANOLA 36538751 ROCKCLIFF ENERGY OPERATING LLC New Drill 13000 7/14/22 PANOLA 36538751 ROCKCLIFF ENERGY OPERATING LLC New Drill 13000 7/15/22 SHELBY 41931844 LEGACY RESERVES OPERATING LLC New Drill 12500 7/15/22 NACOGDOCHES 34733454 AETHON ENERGY OPERATING LLC New Drill 14200 7/15/22 NACOGDOCHES 34733456 AETHON ENERGY OPERATING LLC New Drill 14200 7/15/22 HARRISON 20335534 ROCKCLIFF ENERGY OPERATING LLC New Drill 13000 7/15/22 HARRISON 20335535 ROCKCLIFF ENERGY OPERATING LLC New Drill 13000 7/15/22 HARRISON 20335535 ROCKCLIFF ENERGY OPERATING LLC New Drill 13000 7/18/22 PANOLA 36538764 SPONTE OPERATING, INC. New Drill 12000 7/18/22 PANOLA 36538707 SPONTE OPERATING, INC.	7/14/22	PANOLA	36538748	ROCKCLIFF ENERGY OPERATING LLC	New Drill	13000
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7/15/22 SHELBY 41931845 LEGACY RESERVES OPERATING LP New Drill 12500 7/15/22 NACOGDOCHES 34733454 AETHON ENERGY OPERATING LLC New Drill 13700 7/15/22 NACOGDOCHES 34733455 AETHON ENERGY OPERATING LLC New Drill 14200 7/15/22 NACOGDOCHES 34733455 AETHON ENERGY OPERATING LLC New Drill 14200 7/15/22 HARGODCHES 34733456 AETHON ENERGY OPERATING LLC New Drill 13000 7/15/22 HARRISON 20335534 ROCKCLIFF ENERGY OPERATING LLC New Drill 13000 7/15/22 PANOLA 36538756 BLUE DOME OPERATING, ILC New Drill 13000 7/18/22 PANOLA 36538764 SPONTE OPERATING, INC. New Drill 12000 7/18/22 HARRISON 20335530 ROCKCLIFF ENERGY OPERATING LLC New Drill 12000 7/18/22 HARRISON 20335536 SPONTE OPERATING, INC. New Drill 12000 7/18/22 HARRISON 20335536 SABINE OIL & GAS CORPORATION	7/14/22	PANOLA	36538751	ROCKCLIFF ENERGY OPERATING LLC	New Drill	13000
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7/15/22 NACOGDOCHES 34733455 AETHON ENERGY OPERATING LLC New Drill 14200 7/15/22 NACOGDOCHES 34733455 AETHON ENERGY OPERATING LLC New Drill 14200 7/15/22 HARRISON 20335534 ROCKCLIFF ENERGY OPERATING LLC New Drill 13000 7/15/22 HARRISON 20335534 ROCKCLIFF ENERGY OPERATING LLC New Drill 13000 7/15/22 PANOLA 36538756 BLUE DOME OPERATING, LLC New Drill 13000 7/15/22 PANOLA 36538756 SPONTE OPERATING, INC. New Drill 13000 7/18/22 PANOLA 36538764 SPONTE OPERATING, INC. New Drill 12000 7/18/22 PANOLA 36538765 SPONTE OPERATING, INC. New Drill 13000 7/18/22 PANOLA 36535907 SPONTE OPERATING, INC. New Drill 13000 7/18/22 PANOLA 36538756 SABINE OIL & GAS CORPORATION Recompletion 10419 7/18/22 HARRISON 20335536 SABINE OIL & GAS CORPORATION New Drill	7/15/22	SHELBY	41931845	LEGACY RESERVES OPERATING LP	New Drill	12500
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7/15/22 HARRISON 20335535 ROCKCLIFF ENERGY OPERATING LLC New Drill 13000 7/15/22 PANOLA 36538756 BLUE DOME OPERATING, LLC New Drill 11500 7/18/22 PANOLA 36538756 BLUE DOME OPERATING, LLC New Drill 13000 7/18/22 PANOLA 36538764 SPONTE OPERATING, INC. New Drill 12000 7/18/22 PANOLA 36538765 SPONTE OPERATING, INC. New Drill 12000 7/18/22 PANOLA 36538765 SPONTE OPERATING, INC. New Drill 13000 7/18/22 PANOLA 36538705 SPONTE OPERATING, INC. New Drill 13000 7/18/22 PANOLA 36538705 SPONTE OPERATING, INC. New Drill 13000 7/18/22 PANOLA 36538755 SABINE OIL & GAS CORPORATION Recompletion 109198 7/18/22 PANOLA 36538775 COMSTOCK OIL & GAS, LLC New Drill 13000 7/20/22 PANOLA 36538773 COMSTOCK OIL & GAS, LLC New Drill 13000	7/15/22	NACOGDOCHES	34733456	AETHON ENERGY OPERATING LLC	New Drill	14200
7/15/22 PANOLA 36538756 BLUE DOME OPERATING, LLC New Drill 11500 7/18/22 PANOLA 36538756 BLUE DOME OPERATING, LLC New Drill 13000 7/18/22 PANOLA 36538764 SPONTE OPERATING, INC. New Drill 12000 7/18/22 PANOLA 36538764 SPONTE OPERATING, INC. New Drill 12000 7/18/22 PANOLA 36538756 SPONTE OPERATING, INC. New Drill 13000 7/18/22 PANOLA 36538705 SPONTE OPERATING, INC. New Drill 13000 7/18/22 PANOLA 3653507 SPONTE OPERATING, INC. New Drill 13000 7/18/22 HARRISON 20335536 SABINE OIL & GAS CORPORATION Recompletion 10908 7/18/22 HARRISON 20335536 SABINE OIL & GAS CORPORATION New Drill 13000 7/20/22 AUGUSTINE 40530765 PINE WAVE ENERGY PARTNERS OP,LLC New Drill 13000 7/20/22 PANOLA 36538775 COMSTOCK OIL & GAS, LLC New Drill 13000	7/15/22	HARRISON	20335534	ROCKCLIFF ENERGY OPERATING LLC	New Drill	13000
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Continued on next page. See Map and Louisiana Permits on previous pages.

Monthly Permits – July 2022 Provided by ABCD GIS Mapping

Texas Permits (continued)

7/22/22 SHELBY 41931846 LEGACY RESERVES OPERATING LP New Drill 12500 7/22/22 SHELBY 41931847 LEGACY RESERVES OPERATING LP New Drill 12500 7/22/22 PANOLA 36538762 R. LACY SERVICES, LTD. New Drill 12000 7/22/22 PANOLA 36538760 R. LACY SERVICES, LTD. New Drill 12000 PERFORMANCE OPERATING PARTNERS, 7/26/22 CASS 06730858 New Drill 10300 7/26/22 CASS 06730862 BARROW-SHAVER RESOURCES CO. New Drill 12000 10575 7/26/22 RUSK 40133562 CRATON OPERATING LLC Recompletion 7/27/22 PANOLA 36538778 TANOS EXPLORATION II, LLC New Drill 9936 PANOLA New Drill 7/28/22 36538761 R. LACY SERVICES, LTD. 12000 7/28/22 PANOLA 36538779 TANOS EXPLORATION II, LLC New Drill 9926 7/28/22 HARRISON 20335537 SPONTE OPERATING, INC. New Drill 12000 SPONTE OPERATING, INC. 7/29/22 HARRISON 20335539 New Drill 12000 7/29/22 HARRISON 20335540 SPONTE OPERATING, INC. New Drill 12000 Recompletion 7/29/22 PANOLA 36537628 GLASSELL PRODUCING COMPANY, INC. 6950 7/28/22 PANOLA 36538779 TANOS EXPLORATION II, LLC New Drill 9926 7/28/22 HARRISON SPONTE OPERATING, INC. New Drill 20335537 12000 7/29/22 HARRISON SPONTE OPERATING, INC. New Drill 12000 20335539 SPONTE OPERATING, INC. 7/29/22 HARRISON 20335540 New Drill 12000 7/29/22 PANOLA 36537628 GLASSELL PRODUCING COMPANY, INC. Recompletion 6950

See Map and Louisiana Permits on previous pages.

Membership Directory

To All Shreveport Geological Society Members:

The membership directory has always been a very useful tool for keeping in touch with our friends and business associates. The last directory was published with the 2017-18 data base. A new directory will come out this year and it is important that the information that we have for you is still current. Please verify that our data is correct or make changes if required. Brenda will be available to take pictures at upcoming meetings and also at the Shreveport Petroleum Data Association location. If you would like to submit a picture electronically please do so in .jpg format.

Questions? Contact ShreveportGeological@gmail.com.



Geoscientist Licensing in Louisiana

Did you know?

When you attend a monthly Shreveport Geological Society meeting, you earn one hour of continuing education credit for your LBOPG license. This is a simple and enjoyable way to get your hours! You can also find links to continuing education ethics credit courses at <u>https://sgs1.org/continuing-education/</u>.

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DATE

□ Check if new applicant or change of address.

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QUALIFICATIONS FROM BY-LAWS

In order to be eligible for active membership, an applicant shall be engaged in the practice or teaching of geology or related sciences. In order to be an associate member, an applicant shall be interested in geological science but not actively engaged in the practice or teaching of geology or related sciences.

TO THE EXECUTIVE BOARD:

I hearby apply for CACTIVE ASSOCIATE membership in SHREVEPORT GEOLOGICAL SOCIETY and pledge myself to abide by its Constitution and By-laws.

Date:

Signature:

SPACE BELOW TO BE USED FOR PROCESSING ONLY

Membership Co Received:	mmittee	Executive Board Approved:		
Approved for:	Active Associate	SECRETARY		
	Student	Date:		

35

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