By the time this newsletter arrives, we will have all attended the GCAGS-GCSSEPM Annual Convention in Shreveport. As it is still imminent, I can’t yet comment on how the convention went but I fully expect it will be wonderful. I’m proud to see our members working so hard to make this convention all it can be and would like to extend a special thanks to Alan Brittain and Ralph Richardson for their tireless efforts raising funds and organizing this event.

At the September meeting, we enjoyed an engaging talk by Ray Leonard on “Climate Change, the Challenge for the Oil and Gas Industry and Geopolitical Implications”. Ray was well versed and raised some interesting points. After stopping in Shreveport, he headed to Vienna to give the same presentation to OPEC. If you missed it, I definitely recommend looking through his slides on the SGS website.

This week, oil prices hit a four year high with Brent Crude rising to $82 per bbl and WTI to over $72. President Donald Trump called upon OPEC to add more supply to the market in order to lower the current price which he feels is too high. An Iranian official was quoted, saying “I am telling him, keep quiet, do not do any tweets, and then you will be better off in the prices.” To that, I say, well played Iran. If this is indeed the master key to controlling crude pricing, I am confident we will enjoy high oil prices through at least 2020.

Jokes aside, oil prices that climb above a certain threshold are not always beneficial for the industry at large. This threshold is of course on a sliding scale and as history shows, we have crossed it many times in the past and will certainly cross it many more times in
the future. Oil and gas prices are essentially an irregular sawtooth fluctuation about this threshold; where the downslopes are always much steeper than the up-slopes. Growing up in an oil and gas family, I learned the basic premise of commodity markets at a very young age which is, “High prices cure high prices and low prices cure low prices.” High gas prices in the $5-12 range most certainly played a part in developing the unconventional revolution to unlock tight gas which ultimately led to sustained lower gas prices for the foreseeable future. Though operators have found ways to become profitable at today’s prices with better frac jobs, longer laterals, and lower drilling costs, it took them nearly a decade to do so.

Personally, I would like to see prices hang in the $70-80 range as this seems to be a happy medium that allows oil companies to continue exploration and make future plans without the consumer being squeezed too badly.

At our next meeting, we will enjoy a talk from Toddy Guidry of Core Lab titled “Intro to Reservoir Fluid PVT Analysis for Earth Scientists”. In this, Toddy will attempt to explain reservoir engineering to us rock guys. Hopefully he will do it more eloquently than we explain stratigraphy to landmen. I look forward to seeing you all at the GCAGS convention and at our next meeting!

Best,

Lewis Billingsley
Faithful Friends 2018-2019

Louise F. Pearce       Atkins, Ltd., L.L.C.
Scott Comegys         BER-EX-CO., Inc.
Alan Schlichtemier  Geological Drafting Consultants
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To be a Faithful Friend for 2018-2019, please contact Qiu Lu.

Invest in the Future

You can donate to the SGS Scholarship Fund online at SGS1.org 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.

Keep in Touch through the Shreveport Geological Society LinkedIn Group.
Calendar of Events

View this interactive calendar at SGS1.org

September 30 – October 2
GCAGS-GCSSEPM Convention in Shreveport

September 29 – October 7
Mock Dig at the Red River Revel

October 12
RSVP for the Monthly Meeting

October 16
Monthly Meeting; 11:30 a.m. - 1 p.m.; Petroleum Club 15th Floor
Toddy Guidry presents
“Intro to Reservoir Fluid PVT Analysis for Earth Scientists”

On the Cover: Bryce Canyon, stock photo. Got a picture you want to see on the cover? Email it to the editor today!


Contact the Newsletter Editor: 1RachelMcNerney@gmail.com
The October Meeting
Make your
RESERVATION

Toddy Guidry
presents
“Intro to Reservoir Fluid PVT Analysis for Earth Scientists”

11:30 a.m. Tuesday, October 16
The Petroleum Club of Shreveport, 15th floor
Cost: $20, 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, October 12 at SGS1.org,
or email or call in your reservation to Cody Lenert
clenert@marlinexploration.com
318-222-8406

Name: ________________________________
I will bring __ guest(s):_______________________
Toddy Guidry

Toddy is currently Sr. Technical Advisor for Core Labs, based in Lafayette La., overseeing technical sales and corporate business development east of Texas. Toddy has a MS in Mathematics from the University of Southwestern Louisiana, and has been involved in the industry for over 35 years.

He can be reached in Lafayette at 337-837-8616, toddy.guidry@corelab.com.

Abstract

“Intro to Reservoir Fluid PVT Analysis for Earth Scientists”

The need for good, representative reservoir fluid samples is critical to the effective design and operation of any development project. The decision to build and deploy production facilities exposes producers up to several billion dollars of investment risk, and a solid understanding of formation fluids right after discovery plays an essential part in mitigating that risk. Whether obtaining Gulf of Mexico Wireline Formation Test tool samples from 20,000 feet or surface separator samples from Terrebonne Parish La., fluid analysis provides the ammunition needed for more efficient use of assets.

Many times the only exposure that geologists get to fluids is hearing the reservoir engineer “talk” about getting “PVT samples”. This 45 minute presentation will cover the basics of reservoir fluid behavior, sampling and analysis. The “big picture” may include many determining drive mechanisms, formation rock properties, geophysical
Cypress Operating, Inc.

STEVEN A. SINGLETARY
BEN ROBINSON
Petroleum Geologists

Office: (318) 424-2031
Fax: (318) 425-8140

330 Marshall Street, Suite 930
Shreveport, LA 71101

401 Edwards Street, Suite 1200
Shreveport, LA 71101
P.O. Box 1367
Shreveport, LA 71164

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properties as well as formation fluid properties. Fluids analysis provides data critical to predicting well and reservoir performance, surface and subsea facilities design, and fluid quality assessment for determining market price.

**Outline of Topics Covered:**

- Introduction to PVT analysis? Why perform it? What data does it provide? Who uses it?
  - Reservoir Engineering 101
  - Phase Behavior and basic fluid properties
- Overview of Sampling Sources
  - Surface vs Subsurface
- Blueprint for Complete Fluids Program
  - Chemistry, Component Analyses, chemistry
  - Physical Properties, ‘PVT’ Experiments, Flow Assurance
  - Surface Recoveries
  - Mathematics, Modeling etc
  - Report formats
- Bringing it all together – The Real Value of Fluids Analysis
  - How is the data used
  - Bottomline: Increasing RRR and Decreasing F&D!
The Shreveport Geological Society would like to thank Talban Kantala for donating a plethora of fossils and mineral samples he has collected. The collection was acquired at sites from Fort Worth all the way to the Carolinas. The assemblage includes: megalodon shark teeth, ray plates, fish, shark, and whale bones, ammonite and gastropod fragments, large quartz crystals, and many more. These fossils will be utilized to stock the SGS Rock Kit and to seed the Red River Revel Mock Dig. Thank you, Talban!"

The rock kit is ready (pictured left). E-mail Maps in Schools Chairman Matthew Chumley at mchumley@naguss.com to give a talk with the kit and present a geologic map to a class of future geoscientists.
Baldwin Madden Energy, LLC

Oil and Gas Property Acquisitions and Development

George A. Baldwin, Jr.
Gregory K. Madden
Christopher D. Franks
Senior Geologist
Lonnie J. Shaw
Director of Accounting & Finance

(318) 429-2220
(318) 429-2229 Fax

333 Texas Street, Suite 1919
Shreveport, LA 71101-3676

Reynolds Drilling Company, Inc.

7591 Fern Ave., Suite 2001
Shreveport, Louisiana 71105-5502

Phone: (318) 227-0118
Fax: (318) 227-0171
reydrill@bellsouth.net

Terry Pat Reynolds
President

STROUD PRODUCTION, LLC

333 Texas Street, Suite 860
Shreveport, Louisiana 71101-5302

Voice: (318) 429-2260
Fax: (318) 429 2255
Email: ras@spllc.com

SPANOIL INCORPORATED

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SHREVEPORT, LA 71101
VOICE: (318) 221-2371
FAX: (318) 221-2372
anthony@spanoil.com

ANTHONY J. SPANO
PRESIDENT
SCIENCE DATA CENTER EYED FOR DALLAS
By Bill Murchison
Oil Editor

Dallas may bid soon to become the site of a national earth science data center, the Times Herald has learned.

The center would store and dispense by computer masses of information used by petroleum companies, universities, and scientists.

Earth sciences include geology, geography, geophysics, physiography and seismology.

Such a data bank might employ 2,000 persons in the near future, sources say. No cost estimate for the facility has yet been made. The center probably would be owned and operated by its customers.

AT LEAST FOUR other cities, including Houston, are known to want the center.

Local civic leaders and other interested parties may decide after Dec. 13 whether to join the contest.

A Shell Oil Co. computer specialist, Ed. L. Dillon of Houston, will outline at a luncheon that day the factors to be considered and evaluated in locating and establishing the facility.

Present at the luncheon, sponsored by the Dallas Geological Society, will be members of the Chamber of Commerce’s board of directors and Petroleum Affairs Committee.

Whatever bid Dallas may make for the center will not be submitted to any group presently constituted.

“THE NEED FOR the center is becoming great enough that about the fist place that moves forward energetically to set one up will receive the support of those concerned,” says one source.
MILESTONE ENERGY, LLC
Oil & Gas Exploration and Development
Joseph A. Lott
Geologist / Managing Partner
Zach Kelly
Geologist
333 Texas Street, Suite 516
Shreveport, Louisiana 71101
jlo100@bellsouth.net
Office: 318.212.0470
Fax: 318.212.0469

Zach McDonald
Geologist

Thomas A. Giles
Land Manager

TAYLOR
Bobby Ben Taylor - President
O: 120 S Broadway, Suite 102
Tyler, Texas 75702
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mmixon@lmkr.com
P: +1 281 495 5657
D: +1 281 848 3310
C: +1 713 419 8918
F: +1 281 879 0135
LMK Resources Inc.
6051 North Course Drive, Suite 300,
Houston, TX 77072, USA
Potential users have raised an uncoordinated but spontaneous demand for such a facility, The Times Herald was told.

Dallas, because of its location, among other things, is believed to be in a competitive position for entering a bid. Houston, Tulsa, Midland, and Norman, Okla. are known to be seeking the center themselves. Denver is also said to be a possible competitor.

DALLAS’ CHANCES for the center derive in large part from the city’s proximity to many potential customers.

Information stored in the facility’s computer would be available to subscribers by data-phone. The farther away the user, however, the more expensive the service.

Demand for the establishment of a center, according to sources, is evidence that handling large masses of information is a job for machines.

The data bank envisioned would be a facility with large storage capacity. There, information would be fed into a computer. By dialing the computer over his data-phone, a user could “ask” that certain information be fed back over the wire to a receiving instrument.

The information would emerge from the machine on magnetic tape, which would then be run through a read-out machine for translation. Only information that is public in nature would be stored. Oil companies would retain the right to hold back confidential data.

(Reprinted from the Dallas Times Herald, December 8, 1966)

Got a question or idea for “From the Archives”? Email Annie Green at agreen@naguss.com.
Kingwood Exploration, LLC
Oil & Gas Exploration and Production

Kurt M. Ley
Exploration Manager & Partner

Robert E. Braswell
Engineering/Operations Manager & Partner

416 Travis St., Suite 1100
Shreveport, LA 71101

Phone: 318-946-8585
Fax: 318-946-8287
kurt.ley@kingwoodexploration.com
robert braswell@kingwoodexploration.com

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At the September Meeting, Ray Leonard presented “Climate Change, the Challenge for the Oil and Gas Industry and Geopolitical Implications.”
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 https://sgs1.org/continuing-education/.

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![CE Log Template](image-url)
## Monthly Permits - August 2018

**Provided by ABCD GIS Mapping**

### Texas Permits

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See map and Louisiana Permits on following pages.
JON E. SAYE
PETROLEUM GEOLOGIST
Office: 318-221-4504
Fax: 318-221-4516
Cell: 318-458-1515
1015 Mid South Twr. • P. O. Box 137
Shreveport, LA 71161
jsaye@prodigy.net

COUTRET & ASSOC., INC.
Petroleum Reservoir Engineers
Property Evaluation, Reservoir Engineering
Fluid Injection, Property Management

Louisiana Tower
401 Edwards Street
Shreveport, LA 71101
Telephone: (318) 221-0482
Fax: (318) 221-3202
E-mail: rmcgowen@coutret.com

Delta-T Geophysical Consulting, Inc.

Joe R. White, Jr.
Petroleum Geologist
8505 Dogwood Trail
Haughton, LA 71037
Cell. 318-423-9828
Hm. 318-949-3539
Available for Consulting
JoeRJW@gmail.com

Williamson
OIL & GAS, INC.
Oil & Gas Development
Office: (318) 221-2923
Fax: (318) 221-3488
Email: bob@williamsonogi.com
400 Travis Street
Shreveport, LA 71101

COWGILL & ASSOCIATES, L.L.C.
Oil & Gas Exploration & Production
Stephen C. Cowgill
Geologist/Managing Partner
P. O. Box 72180
Bossier City, LA 71172-2180
cowgill@suddenlink.net
Office: 318.429.2170
Fax: 318.429.1170
Cell: 318.455.9516

CSC ENERGY CORP.
OIL & GAS EXPLORATION
Joel B. Chevalier
PRESIDENT
401 Edwards Street
Suite 820
Shreveport, Louisiana 71101
Office: (318) 221-5625 • Fax: (318) 459-1650
Mobile: (318) 469-5625

ION GEOVENTURES™
Alvin Rowbatham
Sales Manager
Main +1 713 789 7250
Direct +1 281 781 1005
Fax +1 713 789 7201
Mobile +1 832 372 2366
alvin.rowbatham@iongeo.com
2105 City West Blvd., Ste. 900
Houston, TX 77042-2837 USA iongeo.com

Woodie Huffman, CEO
401 Edwards Street, Suite 826
Shreveport, LA 71101-5510
Phone: (318) 221-0414
Fax: (318) 425-0688
Email: delta@bellsouth.net

Comprehensive Geophysical Services
• Kingdom Suite 2d/3d pak
• Geographix
• 3D GMA
• Neuralog
• Mesa 3-D Design
• Digirule

APG CPG #5580
AAPG CPG #5580
MS RPG #0097
AAPG CPG #5580
LA CPG #345
AAPG CPG #5580
Jwhite1362@aol.com
AAPG CPG #5580
Joerjw@gmail.com
AAPG CPG #5580

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Monthly Permits - August 2018
Provided by ABCD GIS Mapping

Map

See Louisiana Permits listed on following page.
# Monthly Permits - August 2018

*Provided by ABCD GIS Mapping*

## Louisiana Permits

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See Map and Texas Permits listed on previous pages.
Like what you see?
Fill out and mail in this form or find it online at SGS1.org.

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**NAME (Please Print)**

- [ ] Check if new applicant or change of address.

**SHREVEPORT GEOLOGICAL SOCIETY, P.O. BOX 750, SHREVEPORT, LA 71162**

**DATE**

**LAST NAME**  **FIRST**  **INITIAL**  **NICKNAME**

**COMPANY**  **POSITION OR TITLE**

**COMPANY MAILING ADDRESS**  **CITY**  **STATE**  **ZIP**  **COMPANY PHONE**

**HOME ADDRESS**  **CITY**  **STATE**  **ZIP**  **HOME PHONE**

**FAX NUMBER**  **E-MAIL ADDRESS**  **CELL PHONE**

**SCHOOL**  **DEGREE**  **MAJOR**  **YEAR**

**PROFESSIONAL AFFILIATIONS**

- AAPG
- GSA
- SEG
- SEPM
- AIME
- SPWLA
- APGS
- PS
- AGI
- SIPES
- SPE
- OTHER

**OUTLINE OF EXPERIENCE**

**SPOUSE’S NAME**

**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 hereby apply for [ ] ACTIVE  [ ] 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 Committee**

- [ ] Active
- [ ] Associate
- [ ] Student

**Executive Board**

- [ ] Approved:  **SECRETARY**

Date:
CAPLIS FORESTRY, LLC
JEFFREY W. CAPLIS
-CONSULTING FORESTER-
- complete forestry services -
• Timber Appraisals • Timber Management • Timber Cruising •
• Damage Appraisals • Tree Planting •

B.S. LOUISIANA TECH: SCHOOL OF FORESTRY

Thomas C. Wyche
CERTIFIED PERTROLEUM GEOLOGIST
Horizontal & Vertical Projects
E.Tx., N.La., S.Ark.

333 Texas St., Suite 703
Shreveport, LA 71101
318.465.2944
geo1tcw@gmail.com

LA-PG
AAPG-CPG
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<td>Anthony Spano</td>
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**HONORARY MEMBERS**

- James D. Aimer
- William E. Bancroft
- Michael W. Beckman
- Orville Roger Berg
- B. W. Blanpied
- Prentis L. Boatner, Jr.
- Alan L. Brittain
- John Franks
- Victor P. Grage
- John C. Grunau
- J. Frank Harrell
- James B. Harris
- William E. Hayes
- Roy T. Hazzard
- Dr. Leo Hermann
- Kevin B. Hill
- Charles J. Hoke
- Perry G. Holloway
- Walter E. Hopper
- E. B. Hutson
- L. Lee Kincaide
- Joseph O. Laird
- Paul Todd Landes, Jr.
- W. W. Lincoln
- William R. Meaney
- Clarence L. Moody
- John T. Palmer
- Thomas H. Phlipott
- William M. Plaster
- Gene R. Robinson
- C. Lane Sartor
- Erwin W. Saye
- Fred R. Schroeder
- C. Ray Scurlock
- Walter H. Spears
- William C. Spooner
- George D. Thomas
- Arthur H. Trowbridge
- Henry J. Tyler
- Claude N. Valerius
- Warren B. Weeks
- Percy J. Wheeler, Jr.
- B. Ross White
- R. M. Wilson

(^deceased)