



KANSAS GEOLOGICAL SOCIETY

# BULLETIN

Volume 95 Number 3

May - June 2020

*Established 1925*

## IN THIS ISSUE

**KGS Board Minutes from February and March**

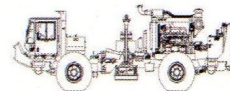
**In Memoriam - KGS and Industry Members Lost in 2020**



**Your 1/8 page ad here**

**Use Your KGS Library  
For All Your Printing Needs**

Old photos?  
Old documents?  
We can scan them for you!



**Proudly Celebrating 25+ Years  
Acquiring Seismic Data Throughout the  
Continental United States**

**WICHITA**

Nicolle Jausel  
(316) 636-5552  
Nicolle@paragongeo.com

**DENVER**

Kim Nordberg  
(303) 888-8885  
Knordberg@paragongeo.com

**HOUSTON**

Brent Propst  
(832) 643-5158  
Bpropst@paragongeo.com

**OKLAHOMA CITY**

Joe Broussard  
(405) 213-9859  
Jbroussard@paragongeo.com

**website: [www.paragongeo.com](http://www.paragongeo.com)**

**Robert F. Walters Digital Library**

**The most complete source for Kansas data**

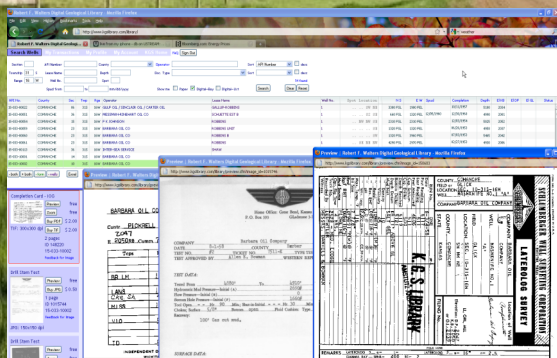
**Database updated nightly**

*Day or Night*

*You can get to the data as you need it*

**[www.kgslibrary.com](http://www.kgslibrary.com)**

**To Join: call 316-265-8676**



**We Invite You  
To join**

**Kansas  
Geological  
Foundation**

**\$50.00 membership is  
tax deductible**

**Call 316-265-8676**

**Or send checks to:  
Kansas Geological Foundation  
212 N. Market, Ste. 100  
Wichita, KS 67202**

# Table of Contents

---

**Features:**      **No featured event or article** **12**

**KGS Events:** **No events scheduled**

## **Departments & Columns:**

<b>KGS Tech Talks</b>	<b>4</b>
<b>President's Letter</b>	<b>7</b>
<b>Advertiser's Directory</b>	<b>8</b>
<b>In Memoriam</b>	<b>9-10</b>
<b>KGS Board Minutes</b>	<b>12-16</b>
<b>Professional Directory</b>	<b>18</b>
<b>Kansas Geological Foundation Cornerstone and KGF News</b>	<b>20-21</b>
<b>Kansas Geological Foundation Memorials</b>	<b>22-24</b>
<b>Exploration Highlights</b>	<b>26-27</b>

## **ON THE COVER:**

**Mt. Cook (Aoraki) and Moraine-dammed Lakes**

**New Zealand**

**Photo by Marli Miller**

## **CALL FOR PAPERS**

The Kansas Geological Society Bulletin, which is published bimonthly in electronic format, seeks short papers dealing with any aspect of Kansas geology, including petroleum geology, studies of producing oil or gas fields, and outcrop or conceptual studies. Maximum length of papers is 6 pages as they appear in the Bulletin, including text, references, figures and/or tables, and figure/table captions. Inquiries regarding manuscripts should be sent to [manager@kgslibrary.com](mailto:manager@kgslibrary.com) or mailed to 212 N. Market, Ste. 100, Wichita, KS 67202. Specific guidelines for manuscript submission appear in each issue of the Bulletin, which can also be accessed on-line at the Kansas Geological Society web site at <http://www.kgslibrary.com>

# SOCIETY Technical Meetings

**All Technical Meetings are Canceled Until Fall**

Save the Date  
KGS 2020 Golf Tournament September 28, 2020  
Terradyne Country Club Wichita, KS

Please remember to check the website for the most up to date information on Technical Talks  
<http://www.kgslibrary.com/techtalks.cfm>

Tech Talks are held at Landmark Square  
212 N. Market—4th floor  
In the Wisdom Center



*Note: For those geologists who need 30 professional development hours (pdh) to renew their licenses, there will be a sign-in sheet at each presentation and also a certificate of attendance.*



# KANSAS GEOLOGICAL SOCIETY



## BOARD OF DIRECTORS

### PRESIDENT

Tim Lauer

### PRESIDENT-ELECT

Brian Fisher

### SECRETARY

Tom Dudgeon

### TREASURER

Robert Stozle

### DIRECTORS

Wes Hansen

Doug Davis

John Hastings

### ADVISORS

Doug Louis

Kevin Davis

## COMMITTEE CHAIRMEN

### Advertising

Kent Scribner

### Advisory

### Annual Banquet

Doug Davis

### Bulletin

Wesley Hansen

### Continuing Education

### Distinguished Awards

Wesley Hansen

### Environmental

Kent Matson

### Field Trip

Jerry Honas

### Fishing Tournament

### Future Plans

Toby Eck

### Golf

Rob Patton

### Historian

Larry Skelton

### Library

Ted Jochems

### Membership

Larry Friend

### Nomenclature

John H. Morrison, III

### Picnic

Beth Isern

### Public Relations

### Shooting Tournament

Larry Richardson

### Technical Programs

Doug Davis

### Technical Committee

Ryan Dixon

### Finance Committee

Tim Hellman, Chairman

Members: Rocky Milford, Chuck Brewer, David Doyel, and Tom Funk

## A.A.P.G. DELEGATES

Douglas Davis  
2021

Wesley Hansen  
2021

## BULLETIN STAFF

### EDITOR

Wes Hansen (316) 772-6188

### ADVERTISING

Kent Scribner  
Stelbar Oil Corp. (316) 264-8378

### MEMORIALS

Wesley Hansen

### EXPLORATION HIGHLIGHTS

John H. Morrison, III  
Independent O&G (316) 263-8281

### STATE SURVEY

KS Geological Survey (785) 864-3965

### SOCIETY NEWS

KGS Library (316) 265-8676

### MANAGER

Wes Hansen (part time) (316) 265-8676

## K.G.S. LIBRARY

PHONE 316-265-8676 FAX 316-265-1013

email: [frontdesk@kgslibrary.com](mailto:frontdesk@kgslibrary.com) or

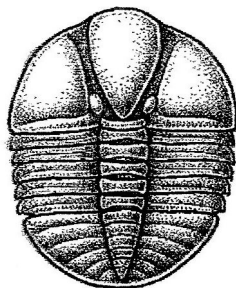
Web: [www.kgslibrary.com](http://www.kgslibrary.com)

The KGS *Bulletin* is published bi-monthly by the Kansas Geological Society, with offices at 212 North Market, Wichita, Kansas 67202 Copyright 2020, The Kansas Geological Society. The purpose of the *Bulletin* is to keep members informed of the activities of the Society and to encourage the exchange and dissemination of technical information related to the Geological profession. Subscription to the *Bulletin* is by membership in the Kansas Geological Society. Limited permission is hereby given by the KGS to photocopy any material appearing in the KGS *BULLETIN* for the non-commercial purpose of scientific or educational advancement. The KGS, a scientific society, neither adopts nor supports positions of advocacy, we provide this and other forums for the presentation of diverse opinions and positions. Opinions presented in these publications do not reflect official positions of the Society.



Twenty-two Trucks Serving  
Kansas—Colorado—Texas—Nebraska—Illinois

DST's  
Back Pressure testing (G1 & G2)  
Slick line services using the same Weatherford  
Electronic Pressure Gauges used on DST's



1-800-728-5369

FAX 1-785-625-5620

www.trilobitetesting.com  
trilobite@eaglecom.net

SHOPS LOCATED IN:

Hays, KS  
Scott City, KS  
Pratt, KS  
Hugoton, KS  
Oberlin, KS  
Clay City, IL

## CAN YOU NAME THE CRITTER?

Sponsored by Trilobite Testing, Inc.

Is your paleo up to date?

If you know the name of the trilobite,  
submit your guess via e-mail to  
manager@kgslibrary.com

Remember that *Trilobite Testing* is  
sponsoring your efforts, so be sure to thank  
Paul Simpson the next time you see him.

### CONGRATULATIONS!!

**Randy Lilak correctly identified  
The last one as: Harpides**

Bulletin committee members and PhD's in  
Paleontology are prohibited from entering.



### *Kansas Geological Society (KGS) Medallion for Scientific Distinction and Excellence*

The Kansas Geological Society (KGS) Medallion for Scientific Distinction and Excellence may be given annually for peer-recognized, sustained significant scientific contributions to all facets of applied Kansas geology, including work either in Kansas or in surrounding states if the latter contributions pertain directly and significantly to Kansas geology. No more than one award may be given each year, an award does not have to be given every year, and members of the KGS Awards Committee that handle nominations for this award cannot nominate themselves for this award. The candidates need not be active KGS members, and they must be living at the time of selection. The primary consideration in the selection of a candidate shall be his or her sustained, published, significant contributions to any facet of Kansas geology. Contributions may be varied in form such as development of geologic concepts, advancement in discovery thinking, and recognized leadership in exploration concepts. Oral and/or written publications in peer-reviewed geological venues is a requisite criterion for any candidate for this award. The name of a candidate shall be presented by the Awards Committee to the KGS Board of Directors for their approval. Once approved, the recipient shall be presented an appropriate award in the form of a medallion or plaque recommended by the Awards Committee and approved by the Board of Directors at the annual business meeting of the society. This is a new award given by the KGS for distinction and achievement in Geological research in Kansas.

Awards Committee members are Sal Mazzullo, Mike Dealy and Alfred James.

# President's Letter

Greetings everyone!

In our last issue I said it has been a difficult time for our industry, especially as the world economy stumbles with the Corona virus. I had no idea. I said it may affect how we do business on a daily basis. I had no idea.

Last month you may have worked for someone else, now you may be working for yourself. Is it challenging, yes. Have we been challenged before? Not quite like this. How do I address a group of highly skilled persons, who, for their lifetimes, have survived incredible odds and persevered in spite of it...how do I encourage this group to see past our immediate obstacles.

Maybe the same way I would face it myself.

I am, very possibly, just like you. I have continued to search for oil, for investors, for contractors, testers, pumpers, mud men, and drillers. I encourage them to hang on. As a business we respond more quickly than most. Can we still be quick enough to survive this current situation? We must. There is no alternative. We survive on the fruits of our past labors.

Some of those 'fruit baskets' may be near empty right now, but a harvest will come again in the future. Our world runs on oil. It will need lots of oil in the future. It just doesn't need us much this month. Or next month. But we should be ready.

A friend told me, "High prices cure high prices, and low prices cure low prices." He was correct. No one knows how many Kansas oil wells will be shut-in. I suspect this current oil price will cause quite a few. By our own profit and loss information, we know when to stop producing. It is doubtful our 90,000 daily Kansas barrels affects a 100 million barrel daily world rate, but take enough barrels off the table from each and every State, and you will see an impact...eventually.

OPEC's ultimate goal is to drive US production down and their own market share up. Can they put us out of business for good? No they can't. When prices come back, so will the Kansas oil operator. Will he or she look the same...probably not? But we will be here, and we will claw our way back. We will run the balance sheets and seize the opportunities. It is what we do best.

Hunker down now as we have no other choice.

We are the geologists. We have the ideas. We see the traps. We see the oil in our minds first. That does not, and will not stop for us. When the price comes back, and it will, we will be the cheer leaders. We will speak with hope and optimism for the future. Because if we don't, our ideas remain on paper and untested with the bit. When the opportunity to make money rises up again, we will be there. I hope you are too.

Our next newsletter is further away than the out month on the oil futures contract. What will I write about then? I will write words of encouragement, optimism, and opportunity. We deserve that, and I will tell you it is not over for us, because it is not.

Your library remains closed to the membership as I write these words. We will be open again. We must make plans for the future and our various committees are proceeding with that assumption in mind. We look forward to working together as a professional society and each of us is an important part of that community.

With my best regards always,

Tim Lauer



## AAPG Section Meeting Updates For 2020

Southwest	June 23-26	Ruidoso, N.M.
Eastern	Sept. 13-15	Champaign, IL
RMAG	Sept. 13-15	Grand Jct., CO
Gulf Coast	Sept. 30-Oct 2	Lafayette, LA

Mid-Continent Biennial Field Conference  
October 9-11, 2020 Rolla, MO

## ADVERTISER'S DIRECTORY

Duke Drilling	<i>page</i> 25
Kansas Geological Foundation	19
Murfin Drilling Company, Inc	25
PARAGON Geophysical Services, Inc	2
Professional Directory	18
Trilobite Testing	6
Walters Digital Library	2

Log in to  
Walters Digital Library  
At  
[www.kgslibrary.com](http://www.kgslibrary.com)

Log in as our guest  
and see the Society's Database  
A convenient way to see what  
you might want to order!  
Call or email your order to:  
316-265-8676  
[frontdesk@kgslibrary.com](mailto:frontdesk@kgslibrary.com)

## ADVERTISER'S RATES: 2020

Full Page	B&W	Color
6 issues	\$2,000	\$2,500
3 issues	\$1,080	\$1,325
1 issue	\$480	\$525
1/2 Page		
6 issues	\$1,000	\$1,500
3 issues	\$540	\$825
1 issue	\$225	\$350
1/4 Page		
6 issues	\$600	\$900
3 issues	\$325	\$525
1 issue	\$150	\$250
1/8 Page		
6 issues	\$300	\$500
3 issues	\$175	\$325
1 issue	\$75	\$185
Professional Ad (Business Card)		
6 issues	\$90	\$180

For one-time ads, call Kent Scribner at 316-264-8378



# *In Memoriam*

## **KGS and Industry Members Lost in 2020**

### **Lee E. Phillips, III**

Lee E. Phillips, III — The Phillips family is saddened to announce the passing of husband, father and grandfather Lee Eldas Phillips, III, of Wichita Kansas, who left this world Easter morning, April 12, 2020, at the age of 88. Survived by his beloved wife, Marlene of Wichita; sons, Scott (Anne Yard) of Webster Groves, MO, and Jamey (Anne Paar) of Portland, OR; granddaughter, Claire of Webster Groves, MO; and brother, Innes Phillips, Sr. (Karen) of Wichita and cherished nieces and nephews. Lee was a graduate of Wichita East High School. While attending the University of Kansas he was drafted into the U. S. Army and served in the Korean War. After the cessation of hostilities Lee returned to and graduated from KU and joined his father's oil production firm. In 1960 he married Marlene Mohr, a marriage that lasted 59 years. A collector of American Art, accomplished golfer, and avid fly fisherman, Lee had a large love of life and a firm appreciation for what was truly important: living a good life with family. He was proud of his wife, sons, granddaughter and daughters-in-law and considered himself very lucky to have had a close friendship throughout his life with his brother, Innes. Lee enjoyed a successful career in the oil and gas industry. He was President of the Lee Phillips Oil Company and the CEO of Anchor Minerals, Inc., both in Wichita, Kansas. He was an enthusiastic supporter of the University of Kansas, Beta Theta Pi Fraternity, the National Organizations of the Boy Scouts and the Girl Scouts of America, the Wichita Art Museum, and Woolaroc Museum, Bartlesville, Oklahoma. He also served on the Board and as the President of the Board of Trustees of Woolaroc. He strove throughout his career to maintain the high standards of business that personified his father Lee Phillips, Jr. and the determination and grit that exemplified his grandfather, L. E. Phillips, Sr., a co-founder of Phillips Petroleum Company. Lee also had a keen sense for business instilled by his grandfather Walter Pease Innes, Sr., owner of Innes Department Store. Lee took true pride in his Korean War service and was an American patriot through and through. Loved in life, passed in peace, Lee Eldas Phillips III, lived a long and blessed life. While Lee's family and friends are saddened by his passing, his spirit will live forever in their fond memories. A Memorial Service will be held at a later date in accordance with Covid-19 social distancing restrictions. In memory of Lee, the Phillips family respectfully suggests a donation to the Wichita Children's Home, 7271 E. 37th St. N. Wichita, Kansas 67226 ([wch.org/giving.com](http://wch.org/giving.com)).

### **Lloyd Kesner Parrish, Jr. (1937-2020)**

Lloyd K. Parrish passed away on February 5, 2020 at the age of 82. Lloyd was an Independent Oil Operator/Geologist for 50 years. Lloyd enjoyed aviation, snow skiing, woodworking and spending time outdoors with his family. Lloyd was known for the interest he took with others and the love and generosity of his actions. He was preceded in death by his sister, Ann Gee. Lloyd is survived by his wife of 52 years, Carol Parrish; two daughters, Heather Parrish and Kimberly Parrish-Nusbaum; son-in-law Travis Nusbaum; grandson, Kesner Nusbaum; two nieces, Debbie Skinner and Martha Messman; and a nephew, Phillip Gee. There will be no memorial service at this time.

## *In Memoriam*

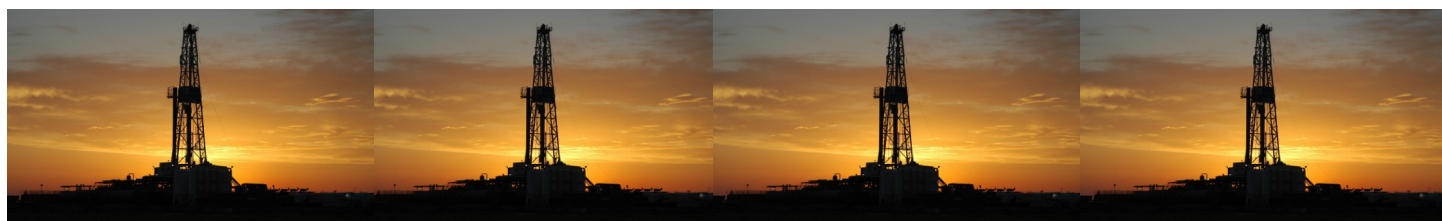
### **Joe Weymer Walters (1928-2020)**

Joe W. Walters passed away on March 25, 2020 at the age of 91. The family will hold a private graveside service at a later date. Joe helped establish the Wichita location of Petroleum Information. He later moved to the Federal Land Bank and served as manager of the mineral division. Joe worked as an oil scout in his early years and served as well as manager of the Kansas Geological Society Library. Joe loved being with his family and also enjoyed building his retirement home at Grand Lake of the Cherokee. Joe is survived by his wife of 72 years, Betty. He is also survived by daughter Jeri Stanyer (Dan) of Augusta, KS; son, David Walters (Karen) of Jay, OK; daughter, Jan Fasano (John) of Jay, OK; sister, Shirley Atwood of Fort Collins, CO; 6 grandchildren and 11 great grandchildren.

### **Donald Vernon “Don” Rider (1938-2020)**

Don V. Rider passed away peacefully in the presence of his family on April 11, 2020. Don married Ruth Walburn on November 2, 1958. They had three sons. Don married Bette I. (Post) Hays on June 27, 1980 in Wichita where they resided. Don lived life abundantly. He was a geologist, real estate broker, entrepreneur, windsurfing instructor, master fisherman, hunter, camper and scuba diver. He loved anything water related. He was preceded in death by his parents, stepfather and sister, Patricia (Rider) Engelland. Don is survived by his wife Bette of Wichita; his sons Calvin (Ann) of Wichita; Kevin (Liz) of Kansas City, KS; and Kurt (Julie) of Hays, KS; stepsons Dean Hays, Morgan Hill, CA; Terry (Sandy) Hays, Carl Junction, MO; and David Hays, Richland, WA. 12 grandchildren, 2 great-grandchildren, 2 great-great-grandchildren, 5 step-grandchildren and 9 step-great-grandchildren.

**2020 AAPG ACE  
Annual Convention and Exhibition  
Houston, TX  
Postponed until further notice**



## Robert F. Walters Digital Library

The most complete source for Kansas data

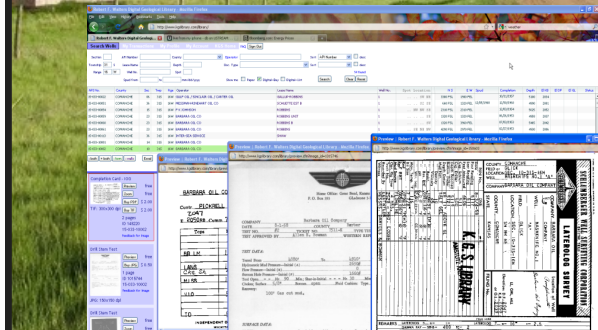
Database updated nightly

*Day or Night*

*If you can get to the data as you need it*

**www.kgslibrary.com**

**To Join: call 316-265-8676**



### The Following Are For Sale

**Kansas Completion Cards:**  
Several sets (call for more information)

**Oklahoma Completion Cards**

**New Mexico Completion Cards**

**North Dakota Completion Cards**

**Utah Completion Cards**

**Microfiche Electric Logs**  
Kansas  
Oklahoma  
Texas

### **Geological Office Furniture:**

- 8-drawer completion card cabinets
- 7-drawer cabinets
- Map cabinets—metal—2 available
- Map racks—different sizes

**Call: 316-265-8676**

*The KGS Library is pleased to  
announce a new service*

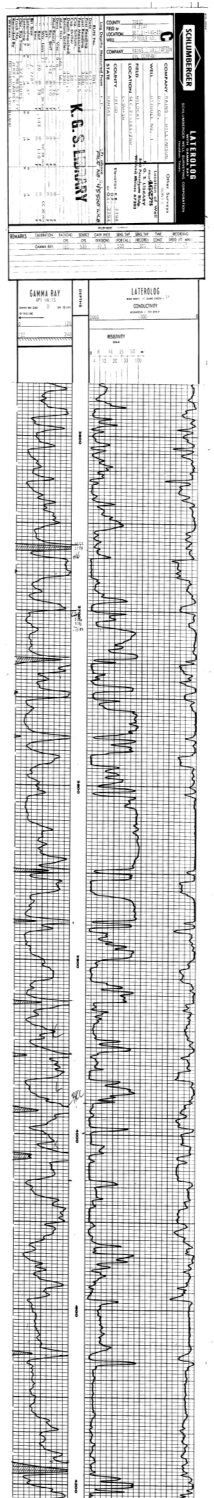
Creating  
LAS files  
from our logs  
or yours

**\$20.00 per  
curve!!**

Quick  
turn-around

Send us your log file  
or tell us which of  
ours you would like  
converted.

**316-265-8676**



# Minutes of the KGS Board of Directors Meeting

## KANSAS GEOLOGICAL SOCIETY BOARD OF DIRECTORS MEETING

February 11th, 2020

11:30 AM, Wichita Petroleum Club

Board Room

### ATTENDANCE & QUORUM:

#### Officers & Directors: Advisors & Guests

Tim Lauer – President	Brian Fisher - VP
Tom Dudgeon – Secretary	Bob Stolzle – Treasurer
	Doug Davis – Director
John Hastings – Director	Doug Louis – Advisor
Kevin Davis – Advisor	

**Absent:** Wes Hansen – Director

**I. CALL TO ORDER** - Mr. Lauer called the meeting to order at 12:00 PM at the Petroleum Club, Taos Room.

**II. PRESIDENT’S STATEMENT** – Welcome board members

### III. SOCIETY ACTIVITIES / EVENTS UPDATE

KGS Annual Banquet - Jan 24<sup>th</sup>, 2020 – Update...numbers are down, about 50 people in attendance, was the cost too high?

#### A. Upcoming Tech talks:

Bill Coffey, PhD, and Managing Director Chimney Hill Energy Partners, “Energy is NOW a New Concept” - Wednesday, Feb 12, 2020.

Michael Smith, PhD, President Advanced Hydrocarbon Stratigraphy, Tulsa “AHS, VAS Cuttings Well Logs” - Wednesday, Feb 26, 2020.

Dr. Jennifer Roberts, Past Chair, Dept. of Geology KU and current Vice Chancellor – Wed Mar 11, 2020

#### B. February Continuing Education opportunity:

Tulsa Geol. Soc. 2020 Winter Education Series – Limited space. Classes to be held in Tulsa - Monday and Tuesday Feb 24th and 25th, 2020. Class is through OSU Tulsa, cost is \$175

**IV. Approval of Minutes:** Minutes from the January 14<sup>th</sup> meeting had been previewed by email and were presented with a couple inclusions. Mr. Hastings made a motion to approve, Mr. Doug Davis seconded and the minutes were unanimously approved.

### V. FINANCIAL REPORTS:

**A. Treasurer’s Report:** Finance Committee will meet Feb. 24th

The Treasurer’s report for January was reviewed. Investment accounts were up \$31,445.15 over last month. Cash accounts were down \$54,265.89 from last month.

**B. Manager’s Report:** The regular Manager’s Report for January shows income of \$38,210, Expenses of \$34,263, and YTD net profit of \$3,947.



## **VI. OLD BUSINESS**

- A.** Meeting later this month with both KGS and the KGF and Janet Ward outlining options on fundraising. Possibly send out a poll of the KGS members - asking questions regarding to new buildings and data storage.
- B.** The Building Committee is deep into reviewing properties and locations. Putting sideboards on what we (our library) needs, can afford, should do, etc.
- C.** Talks with Survey – We are waiting to hear from the Survey on their commitment to a shared space in the future. We would like to know how much time and money they will spend to work with us. Another trip to meet with the Survey to determine their level of support will be sought.

## **VII. NEW BUSINESS**

- A.** Joint KGF/KGS Meeting Tuesday, Feb 25, 2020 @ 11:30am with Ms. Janet Ward. All are invited.

This will cover the legality of KGF building ownership, how the KGF can/will fundraise.

- B.** Approval for likely upcoming moving expense over the next 23 months.

The KGS will need approx. \$50-75K to move, but first some bids of the moving costs will need to be obtained from various moving companies.

- C.** The Building committee update- Committee is busy and actively looking for all options on a building (for sale/lease), financials property considerations, etc.

- D.** Revisiting hard copy publication of our Bulletin. The benefits of the bi-monthly Bulletin far outweigh the costs of printing.

Mr. Fisher motion to approve republishing the Bulletin and in the future add a charge to membership dues for members who request a printed copy. The motion was seconded by Mr. Hastings, and it approved unanimously.

- E.** Increasing attendance at our Annual Banquet – Should the meeting be shortened? Should the date be moved?

- F.** Any other Pending Business?

- G.** Next meeting on March 10th, 2020

**VIII. ADJOURNMENT** – Mr. Fisher made a motion, which was seconded by Mr. Hastings, and Mr. Lauer adjourned the meeting at 1:08 PM.

Respectfully submitted,  
Tom Dudgeon Secretary

# Minutes of the KGS Board of Directors Meeting

## KANSAS GEOLOGICAL SOCIETY BOARD OF DIRECTORS MEETING

March 10<sup>th</sup>, 2020

11:30 AM, Wichita Petroleum Club  
Taos Room

### ATTENDANCE & QUORUM:

#### Officers & Directors: Advisors & Guests

Tim Lauer – President	Brian Fisher - VP
Tom Dudgeon – Secretary	Wes Hansen– Director
Doug Davis – Director	John Hastings – Director
Doug Louis–Advisor	Kevin Davis–Advisor
Tim Hellman – Chairman of Finance Committee	

**Absent:** Bob Stolzle – Treasurer

**I. CALL TO ORDER** - Mr. Lauer called the meeting to order at 11:55 AM at the Petroleum Club, Taos Room.

**II. PRESIDENT’S STATEMENT** –Welcome Board Members and Guests -Tim Hellman – Finance Committee Chair

A motion was made by Mr. Hansen to approve the recommendation for moving funds from the Money Market and WDL Checking Accounts (unused cash) to the Vanguard Short Term Bond Fund, and pulling out \$76K every 2 months to move into the Vanguard Wellesley Fund. Motion was seconded by Mr. Fisher, and unanimously approved.

We will revisit the issue as the continuing uncertainty in the markets is cause for concern.

### III. SOCIETY ACTIVITIES / EVENTS UPDATE

- A. Bill Coffey, PhD, “Energy is NOW a New Concept” - PPT show on KGS Website
- B. Michael Smith, PhD, President Advanced Hydrocarbon Stratigraphy, Tulsa  
“AHS, VAS Cuttings Well Logs” 6 from Wichita and about 40 total in attendance.
- C. Tulsa Geol Soc 2020 Winter Education Series – Brian Fisher, Doug Davis

#### Upcoming Tech talks:

- D. CANCELLED - Dr. Jennifer Roberts, Chair Dept of Geology KU – Tomorrow, Wed Mar 11, 2020
- E. David Newell, Ks. Geo. Survey – Wed. March 25th, 2020.

F. Mike Everhart, Sternberg Museum; “Cretodus houghtonorum - A New Shark from the Late Cretaceous of Kansas” – Wed. April 8th, 2020.

**IV. Approval of Minutes:** Minutes from the February 11<sup>th</sup> meeting had been previewed by email. Mr. Davis made a motion to approve, Mr. Lauer seconded and the minutes were unanimously approved.

## **V. FINANCIAL REPORTS:**

**A. Treasurer’s Report:** Finance Committee will meet Feb. 24th

The Treasurer’s report for February was reviewed. Investment accounts were unchanged from last month? Cash accounts were down \$12,522 from last month.

**B. Manager’s Report:** The regular Manager’s Report for February shows income of \$51,260, Expenses of \$52,396, and YTD net profit of \$2,810.

## **VI. OLD BUSINESS**

A. Update on Joint KGF/KGS Meeting Tuesday, Feb 25, 2020 with Ms Janet Ward.

- Moving towards making KGF integrators part of the KGS

- This keeps the KGF from losing 501(c)3 status and help to increase speed of integration by keeping them focused solely on integration and not taking on other library duties.

B. The Building Committee update

- still 21 months out on our current lease

- Options are being eliminated, new properties are being screened as they come available.

C. Bid for moving expense over the next 22 months. – No action needed currently

- OK Storage and Moving approx. \$35-55k to move

- UVS gave no bid to move, would store data with a 1-day turnaround on data requested. Courier fees will be included, with a cost of \$5,417/month

## **VII. NEW BUSINESS**

A. Survey Questions for membership to be sent via email

1. Importance of paper library 1 to 5, (1 being of little importance 5 being very important)

2. Is the cost of the paper library about right?

3. Will a reduction in cost of paper library increase likelihood of purchasing a membership?

4. Will an increased cost of the paper library cause you to consider suspending account?

5. How important is the WDL to you?
  6. Is the cost of WDL worth the benefit of the WDL?
  7. Will a reduced cost of the WDL increase likelihood of purchasing a membership?
  8. Will an increased cost of the WDL cause you consider suspending account?
  9. Do you see maintaining your paper and/or WDL membership for the next 5 years?
  10. What is the purpose of the Society in your eyes?
  11. What is your favorite society event?
  12. What will it take to encourage you to come to the Annual Banquet?
- B. Update Status of KGS Library and WDL – problems and solutions
- 7-8 months behind on cards which are being linked to WDL after scanning issue was resolved; paper logs have not been printed starting in 2011 due to lack of file space. The logs have been scanned and are available on the WDL. In addition, if a printed copy is requested for viewing, staff will print and then place in the paper files.
- C. KS Geological Survey and KS Geological Society ongoing talks
- Likely meeting in Lawrence in the next 30-45 days
- D. IOG Proposal
- John Morrison has offered his IOG services to the KGS to take over operations
  - \$250k/yr income with \$70k/yr expenses
- E. Next meeting on April 14, 2020

**VIII. ADJOURNMENT** – Mr. Hansen made a motion, which was seconded by Mr. Fisher, and Mr. Lauer adjourned the meeting at 1:30 PM.

Respectfully submitted,

Tom Dudgeon

Secretary



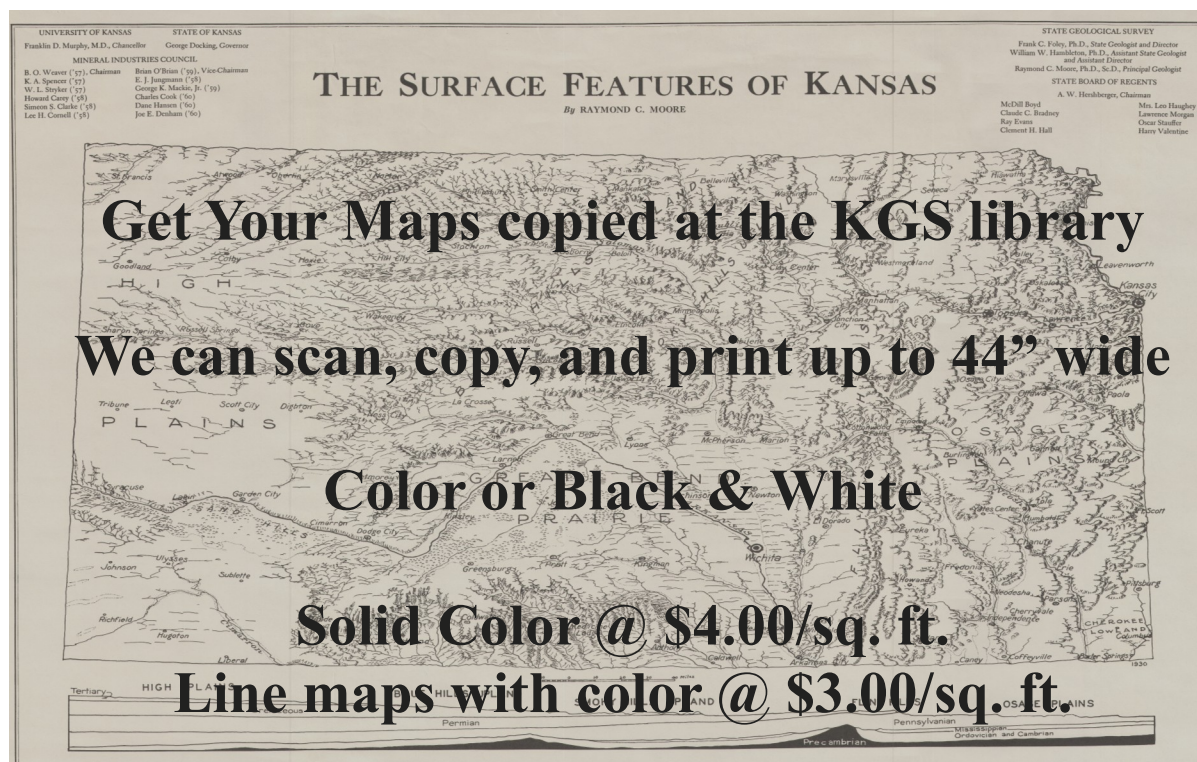
# An Open Invitation to Young Geologists to Join AAPG

I would like to extend a special invitation to recent graduates and other young geological professionals to join AAPG. There are many young geologists outside the Wichita area that I have never met. They may work out of Great Bend or Hays, Kansas working with smaller oil and gas producers or working on their own as well site geologists. Kansas does have a future for the foreseeable future. The time is now to meet others from larger regional companies to forge a relationship for future employment. Young minds will be needed to replace those retiring and that other bad option.

I joined AAPG late in my career, much to my regret. I now serve voluntarily as a delegate for the Mid-Continent Section representing the Kansas Geological Society.

Respectfully yours,

Wesley D. Hansen  
Bulletin Editor and AAPG Delegate



# PROFESSIONAL DIRECTORY

## Kirk Rundle Consulting Geophysicist

3D Seismic Design, Acquisition to Processing QC.,  
Interpretation and Analysis, Subsurface Integration  
7340 W. 21st. N., Ste. 100  
Wichita, Kansas 67205

Office: 316-721-1421 Fax: 316-721-1843

Email: kirk@rundlegeo.com

## Covey - The Well Watchers One Thousand Wells and Counting"

Curtis E. Covey Wellsite Petroleum Geologist

Gas Trailer Cell: 316-217-4679  
Email: wellsitgeol@gmail.com

Office: 316-776-0367  
6548 Bedford Circle  
Derby, Kansas 67037



**GRAVITY OIL**  
LLC

**ELI J. FELTS**  
CONSULTING PETROLEUM GEOLOGIST

316.204.5059 E:JFELTS47@GMAIL.COM

- VERTICAL & HORIZONTAL WELL-SITE SUPERVISION
- PROSPECT GENERATION & EVALUATION
- WELL-LOG ANALYSIS
- DIGITAL MAPPING SERVICES & GEOLOGICAL REPORTS
- KCC & COMPLIANCE SPECIALIST
- PROFESSIONALLY INSURED

COMPETITIVE PRICING & STATE OF THE ART SERVICES YOU CAN COUNT ON  
CALL TODAY & RECEIVE (1) FREE DAY WELL-SITE TO NEW CLIENTS

## WESLEY D. HANSEN Consulting Geologist

Well site Supervision • Geologic Studies  
212 N. Market, Ste 257  
Wichita, Kansas 67202  
Office/Mobile: (316) 772-6188  
whansen4651@sbcglobal.net  
38 Continuous Years in the Kansas Oil Patch



**JOHN H. MORRISON, III**  
President

www.IOGsi.com  
226 N. Emporia Ave  
Wichita, Kansas 67202

Phone: 316-263-8281  
Fax: 316-263-0874  
Email: jmorrisson@iogsi.com

## ROGER L. MARTIN Independent Petroleum Geologist

200 E 1st St, Ste 405, Wichita, KS 67202

Cell: 316-833-2722 Office: 316-250-6970  
KS Field Cell: 316-655-1227  
Fax: 316-425-3829

Email: rogermartingeo@yahoo.com

## ALFRED JAMES III Petroleum Geologist Kansas - Colorado - Utah

P.O. Box 218 Augusta, KS 67010

SIPES # 1111

Office: 316 648-2821  
james.alfred21@yahoo.com

## M. ((Brad))ford Rine, Geologist

Licensed, Registered, Certified

PROSPECT EVALUATION  
WELLSITE SUPERVISION  
RESERVOIR STUDIES  
EXPERT TESTIMONY

PROSPECT ORIENTATION  
DRLG/COMPL CONSULTATION  
PROPERTY EVALUATION  
BANJO PICKER

100 South Main  
Suite #415  
Wichita, Kansas 67202

Email: rinemb@sbcglobal.net  
Office & Cell: (316) 250-5941



## DeGood Geological Services

Alan DeGood  
Kansas Licensed Geologist #330

Prospect Reviews  
Reserve Studies  
Rendition Preparation

1233 Autumn Drive  
Goddard, KS 67052  
Phone: 620-242-6301  
Home: 316-794-8391  
Email: degood1@live.com

## MELLAND ENGINEERING, INC. Petroleum Engineering & Geological Consulting

**James E. Melland, P.E., P.G.**  
President

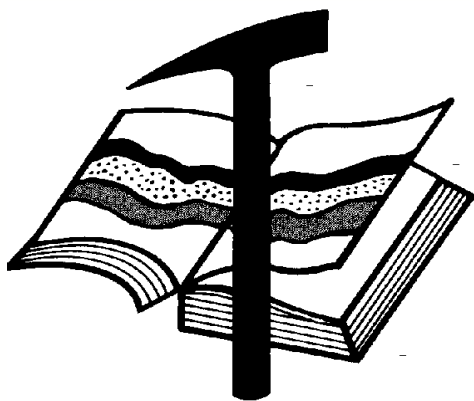
Office: (620) 241-4621 Fax: (620) 241-2621

jamesm@mellandengineering.com  
www.mellandengineering.com

P.O. Box 841, McPherson, KS 67460

Your business card ad  
Could be right here  
For only \$90/year

Your business card ad  
Could be right here  
For only \$90/year



# Kansas Geological Foundation

*Web Site: [www.kgfoundation.org](http://www.kgfoundation.org)*

**212 North Market  
Wichita, Kansas 67202**

A not-for-profit educational and scientific corporation

## **GOALS:**

- promote geology and earth science
- preserve geological records
- establish memorials and endowments
- support field trips and seminars
- financial aid and grants to students

**PLEASE HELP SUPPORT THE FOUNDATION**

## **Kansas Geological Foundation Services**

The Kansas Geological Foundation provides the following services as a part of the organization's commitment to educate the public regarding earth science.

### **Speaker's Bureau**

A list of speakers available to talk about various aspects of geology may be obtained by contacting Wes Hansen at the KGS Library, 265-8676. This service is free to the public.

### **DVD/Videotape Library**

The KGF maintains a DVD & videotape library focused primarily on the various fields of earth science. These tapes may be checked out without charge by the public. To obtain a list of tapes, please contact the KGS Library, 212 N. Market, Ste. 100, Wichita, KS 67202, or call Wes Hansen at 265-8676.

The Kansas Geological Foundation was founded in March, 1989 as a not-for-profit corporation under the guidelines of section 501(c)(3) of the tax code to provide individuals and corporations the opportunity to further the science of geology. It is dedicated to providing charitable, scientific, literary and educational opportunities in the field of geology for the professional geologist as well as the general public.

KGF can receive in-kind donations through which the donor may receive a tax deduction. Of equal importance, the KGF provides the financial resources to sort, process and file this data at the KGS library. If you have a donation to make, please contact the KGF at 265-8676.

Your tax-deductible membership donation helps to defray the cost of processing donations and to support public education programs about the science of geology. Annual membership begins at \$50.00 per year. Donations of \$100.00 or more are encouraged through the following clubs:

<b>Century Club</b>	\$ 100 to \$ 499
<b>\$500 Club</b>	\$ 500 to \$ 999
<b>Millennium Club</b>	\$1000 to \$5000
<b>President's Club</b>	\$5000 and over

# ***Kansas Geological Foundation***

## ***Cornerstone***

### ***Kansas Geological Foundation News***

#### **Spring 2020 Scholarship Recipients**

<b>Applicant</b>	<b>University</b>	<b>Scholarship</b>	<b>Amount</b>
Kaleb Meyer	Wichita State Univ.	KGF Scholarship (Knighton Family)	\$1000
Ethan Reid	Fort Hays State Univ.	KGF Scholarship	\$500
Mikaela Rader	Kansas State Univ.	KGF Scholarship	\$500
Benjamin Walters	Kansas State Univ.	KGF Scholarship	\$500
Alexis Ahlert	University of Kansas	KGF Scholarship	\$500

<b>Applicant</b>	<b>University</b>	<b>Scholarship</b>	<b>Amount</b>
Isaac Allred	University of Kansas	KGF Scholarship	\$500
Tyler Cantrell	University of Kansas	KGF Scholarship	\$500
Adam Lane	University of Kansas	KGF Scholarship	\$500
Michelle Proulx	University of Kansas	KGF Scholarship	\$500
Haozhe Zhang	University of Kansas	KGF Scholarship	\$500



# ***Kansas Geological Foundation News***

Students: The KGF awards scholarships each December and May. Check with your department chairs for applications. You must submit complete applications by the deadline.

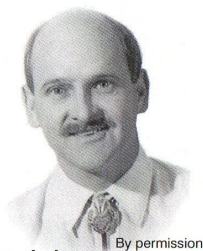
**Scholarship Applications for the Fall semester will be due by May 1, 2020.**

Grants to help with research on Kansas related geology are also considered for aid.

If you are in the KGS Library and see Ted Jochems or any of the integrators, give any of them a great big thanks for their efforts in continuing the tedious process of examining, scanning and integrating new logs and geologist's reports etc. into our library and the WDL.

---

## **The Kansas Geological Foundation Needs You!**



By permission

The KGF provides the financial resources to sort, process and file, in-kind donations of geological data at the KGS library. Due in large part to the KGF this unique and rare well of information is being made available to all. Please consider telling your company management and colleagues about the benefits of a library that continues expanding in part because of the KGF.

**We very much value and need your financial support.**

### **Integration Update as of December 31, 2019**

From 01 January to 31 December of 2019, 28,035 well logs were examined by the integrators. 7,106 (25.4%) were new logs for the Walters Digital Library. 2,443 logs were re-scanned to replace poor existing digital images.

The following individuals and companies donated data and specialized furniture. One donor gave a microscope. Several of these people/companies paid out of pocket to ship their donations to the foundation.

**R.D. and Sondra Reber (Reber Oil Co.)  
Gore Oil Co.**

**Roy Knapp  
Don Malone**

**Steve Giebler (Log Tech of Kansas)  
Randy Wolf**

**PLEASE SUPPORT THE INTEGRATION PROJECT BY DONATING  
FINANCIALLY TO THE KANSAS GEOLOGICAL FOUNDATION**

Submitted by Ted Jochems

### **KGF Officers and Board Members**

**President- Dennis Hedke  
Vice President - Michel Runnion  
Treasurer - Corey Baker  
Secretary - Ted Jochems**

### **Board Members**

**Dave Callewaert      Mark Galyon  
Larry Friend          Ryan Dixon  
Mark Thompson**

---

**Scholarships - Maurice Korphage  
Publicity - Wes Hansen**

## *Kansas Geological Foundation Memorials*

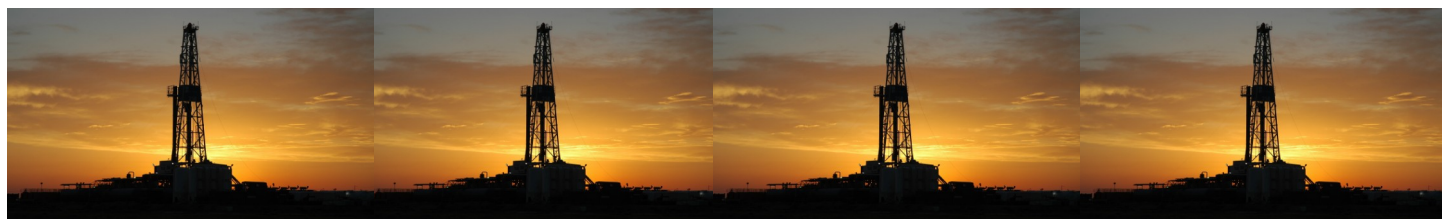
KGS Member	Date Deceased	Memorial Established
Dan Bowles	09/89	1990
John Brewer	10/89	1990
George Bruce	08/89	1990
Robert Gebhart	01/90	1990
Ray Anderson, Jr.	11/90	1990
Harold McNeil	03/91	1991
Millard W. Smith	08/91	1991
Clinton Engstrand	09/91	1991
M.F. "Ted" Bear	10/91	1991
James & Kathryn Gould	11/91	1991
E. Gail Carpenter	06/91	1993
Benton Brooks	09/92	1992
Robert C. Armstrong	01/93	1993
Nancy Lorenz	02/93	1993
Norman R. Stewart	07/93	1993
Robert W. Watchous	12/93	1993
J. George Klein	07/94	1994
Harold C.J. Terhune	01/95	1995
Carl Todd	01/95	1995
Don R. Pate	03/95	1995
R. James Gear	05/95	1995
Vernon Hess	06/95	1995
E. K. Edmiston	06/95	1995
Jack Rine	07/95	1995
Lee Cornell	08/95	1995
John Graves	10/95	1995
Wilson Rains	10/95	1995
Heber Beardmore, Jr.	09/96	1996
Elmer "Lucky" Opfer	12/96	1996
Raymond M. Goodin	01/97	1997
Donald F. Moore	10/92	1997
Gerald J. Kathol	03/97	1997
James D. Davies	08/88	1997
R. Kenneth Smith	04/97	1997
Robert L. Dilts	05/97	1997
Delmer L. Powers	06/72	1997
Gene Falkowski	11/97	1997
Arthur (Bill) Jacques	01/98	1998
Bus Woods	01/98	1998
Frank M. Brooks	03/98	1998
Robert F. Walters	04/98	1998
Stephen Powell	04/98	1998
Deane Jirrels	05/98	1998
William G. Iversen	07/98	1998
Ann E. Watchous	08/98	1998
W.R. "Bill" Murfin	09/98	1998
Donald L. Hellar	11/98	1998
Joseph E. Rakaskas	01/99	1999
Charles W. Steincamp	02/99	1999
Robert and Betty Glover	10/96	1998
Howard E. Schwerdtfeger	11/98	1999
W. W. "Brick" Wakefield	03/99	1999
V. Richard Hoover	01/00	2000
Warren E. Tomlinson	01/00	2000
James A. Morris	01/00	2000
Eric H. Jager	03/00	2000
Kenneth W. Johnson	03/00	2000

## *Kansas Geological Foundation Memorials*

KGS Member	Date Deceased	Memorial Established
Dean C. Schaake	03/00	2000
Fred S. Lillibridge	05/00	2000
Jerry A. Langrehr	07/00	2000
Clark A. Roach	07/00	2000
Floyd W. "Bud" Mallonee	10/00	2000
Ralph W. Ruuwe	09/00	2000
Robert L. Slamal	02/01	2001
Jerold E. Jespersen	06/01	2001
William A. Sladek	06/01	2001
Harlan B. Dixon	06/01	2001
Edward B. Donnelly	08/01	2001
Richard P. Nixon	02/02	2002
Robert W. Frensley	12/01	2002
Gerald W. Zorger	01/02	2002
Don L. Calvin	03/02	2002
Claud Sheats	02/02	2002
Merle Britting	2002	2002
Harold Trapp	11/02	2002
Donald M. Brown	11/02	2003
Elwyn Nagel	03/03	2003
Robert Noll	09/03	2003
Benny Singleton	09/03	2003
Jay Dirks	2003	2003
J. Mark Richardson	02/04	2004
John "Jack" Barwick	02/01	2004
Richard Roby	03/04	2004
Ruth Bell Steinberg	2004	2004
Gordon Keen	03/04	2004
Lloyd Tarrant	05/04	2004
Robert J. "Rob" Dietterich	08/96	2004
Mervyn Mace	12/04	2004
Donald Hoy Smith	04/05	2005
Richard M. Foley	06/05	2005
Wayne Brinegar	06/05	2005
Charles B. Moore	09/96	2005
Jack Heathman	05/06	2006
Charles Kaiser	09/06	2006
Rod Sweetman	08/06	2006
Karl Becker	10/06	2006
Frank Hamlin	10/06	2006
Marvin Douglas	12/06	2006
Robert W. Hammond	04/07	2007
Eldon Frazey	04/07	2007
Pete Amstutz	05/07	2007
Charles Spradlin	05/07	2007
Donald R. "Bob" Douglass	09/07	2007
Vincent Hiebsch	11/07	2007
Glen C. Thrasher	03/08	2008
Peg Walters	06/08	2008
Theodore "Ted" Sandberg	07/08	2008
James Ralstin	11/08	2008
Earl Brandt	04/09	2009
Walter DeLozier	05/09	2009
Don D. Strong	1/10	2010
John Stone	02/10	2010

## *Kansas Geological Foundation Memorials*

KGS Member	Date Deceased	Memorial Established
Craig Caulk	03/10	2010
Joseph E. Moreland, Jr.	03/10	2010
Gene Garmon	03/10	2010
James F. Dilts	05/10	2010
Jerry Pike	05/10	2010
Donald Hollar	06/10	2010
Delbert Costa	08/10	2010
John Tanner	08/10	2010
William (Bill) Owen	09/10	2010
Harold (Hal) Brown	10/10	2010
Edmund G. Lorenz	11/10	2010
Thomas E. Black	05/11	2011
Wayne E. Walcher	07/11	2011
Henry F. Filson	07/11	2011
Thomas Ray	07/11	2011
Edgar E. Smith	09/11	2012
Marilyn Messinger	06/13	2013
Micheal Mitchell	09/13	2013
Orvie Howell	11/13	2013
James Thompson	11/13	2013
Dick Rowland	09/13	2014
Robbie Thompson	12/13	2014
Kris Kennedy	04/14	2015
Annette Hedke	02/15	2015
James Devlin	04/15	2015
Robert Gensch	09/15	2015
Jerald Rains	05/16	2016
Max Houston	05/16	2016
Robert "Gus" Messinger	01/17	2017
Jimmy Wayne Gowens	04/17	2017
Walter H. Martz Jr.	01/18	2018
Gary Sandlin	01/17	2018
Douglas McGinness	12/16	2018
Allen Siemens	06/18	2018
Ernest R. "Ernie" Morrison	09/18	2018
E. G. "Elbie" McNeil	12/18	2018
Robert Maxwell (Bob) Euwer	1/19	2019
J. Fred Hambright	12/18	2019
W. Lynn Watney	7/19	2019
Byron Hummon	12/18	2019
Mike Raymond	11/19	2019
James Roberts, Jr.		





**12 Drilling Rigs**

**To depth of 8,500 ft.**



**WESTERN KANSAS  
SOUTHERN NEBRASKA  
EASTERN COLORADO**

For contract information contact:

**Will Murfin**  
Drilling Manager

**316-258-8888 (Direct)  
316-267-3241 (Main)**

**250 N. Water, Ste. 300  
Wichita, KS 67202**

**DUKE**

**DRILLING COMPANY**

**ROTARY DRILLING CONTRACTOR**

620 Hubbard PO Box 823  
Great Bend, KS 67530  
Phone 620-793-8366

100 S. Main, Ste. 410,  
Wichita, KS 67202  
Phone 316-267-1331  
Fax 316-267-5180

*Your Company*

*1/8 page ad here*

### **BULLETIN CONTENT POLICY**

Effective January 1, 2018, only ads for service companies and geologists offering their services will be permitted in the KGS Bulletin. Furthermore, only content of geologic interest or official KGS functions (technical talks, annual banquet, golf tourney, picnic etc.) will be permitted in this bulletin. This policy is in keeping with maintaining a professional standard for this publication. Any interpretation of this policy rests solely with the editor of this bulletin.



### **AAPG Needs You!**

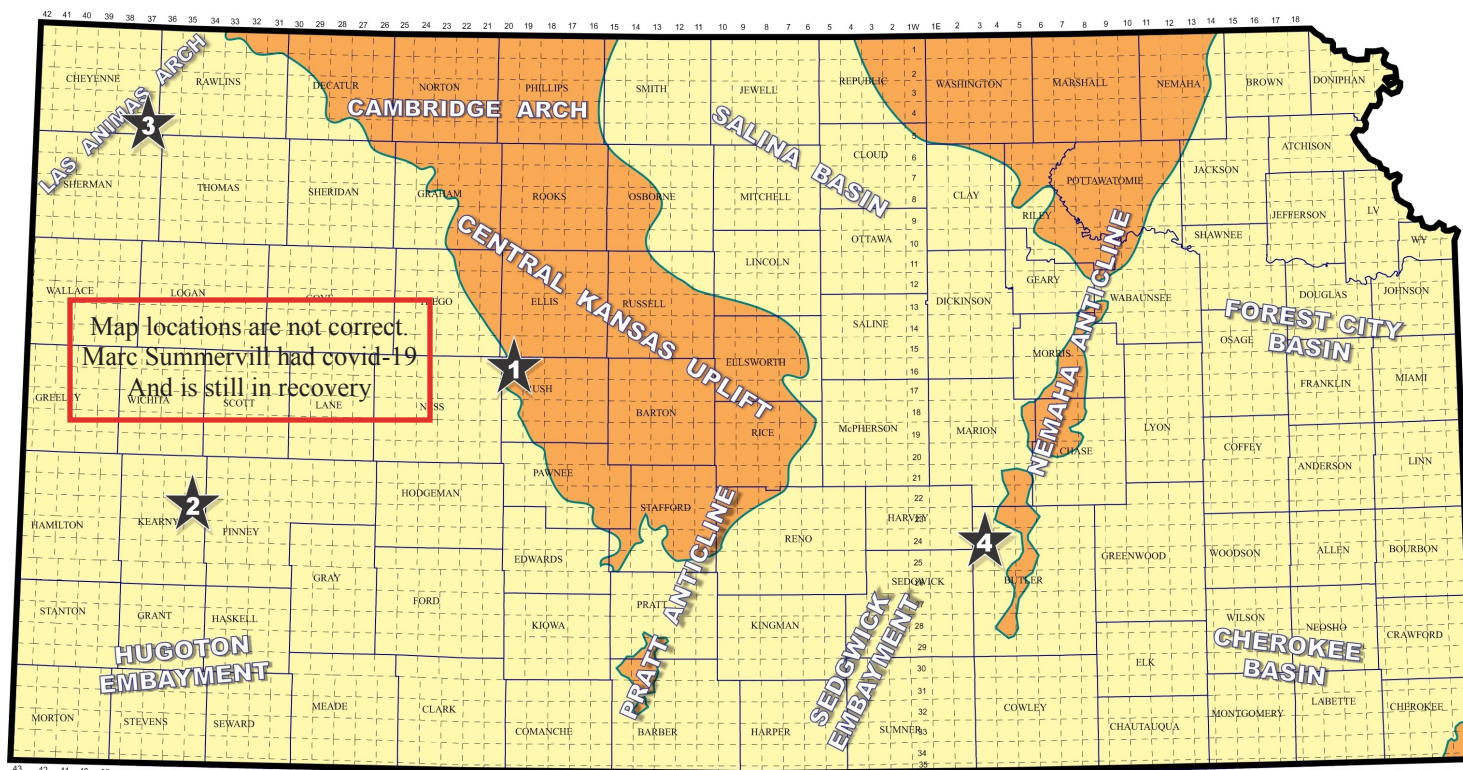
**Professional geoscientists, share your world!**

The Mid Continent Section has **17 AAPG Student Chapters**, but only **3 Visiting Geoscientists**...which makes it almost impossible to have a professional geoscientist visit to each school at least once a year or even once every two years. The aim of AAPG's program is to give students a flavor of a professional life in energy resources. It also hopes to encourage dialog between industry and academia.

To be a Visiting Geoscientist bearing the AAPG flag, you are asked to have at least 5 years of experience and make at least one visit per year to a university. It can be a school with an AAPG Student Chapter, or a college/university without one. Your choice.

The Mid Continent schools with Student Chapters are: Missouri University, Fort Hays State University, Iowa State University, Kansas State University, Missouri State University, University of Nebraska, Northwest Missouri State University, Oklahoma State University, University of Oklahoma, University of Arkansas, University of Iowa, University of Kansas, University of Missouri, Columbia University of Tulsa and Wichita State University.

Contact Robbie Gries, co-Chair VGP committee, Denver, if you are interested in learning more. [rrgries@aol.com](mailto:rrgries@aol.com)



Map courtesy of Marc Summerville

1. Arcadian Resources LLC, Concordia (KS), has discovered oil deposits in the Mississippian formation at the #1-27 Green High well, spotted in the SW/4 of section 27- T27s- R12W, in Pratt County. The new unnamed pool discovery was made over one mile north of the Lunt Southeast oil field (Established. 3/23/2019 - LKC oil), about 4 miles northwest of the town of Cairo, KS. The well was drilled by Fossil Drilling tools to a total depth of 4502 ft by logger's measurements. Promising DST shows were also recovered in the LKC and Marmaton formations but remain untested behind pipe. No completion details have been released. (ref: API 15-151-22504)

2. Independent producer Charles N. Griffin, Pratt (KS), has discovered oil in the Viola formation at the #1Paislee - a pool step-out and new pay discovery well in Pratt County. The well was drilled to a total depth of 4900 ft at location in the SW/4 of section 21- T29s- R15W. Viola oil adds to resources in the Springvale Townsite pool, where Mississippian oil has been produced since 2007 and Simpson oil since 2009. The field has produced nearly 46,000 barrels of oil from four wells since its discovery by Lotus Operating Company, LLC, Wichita (KS). The Paislee lease lies nearly 9 miles southwest of Cullison, KS. Completion details remain confidential. (ref: API 15-151-22505)

3. MURFIN DRILLING COMPANY, Wichita (KS), has established a new unnamed oil field in Cheyenne County with the completion of the #1-6 Burr well. The new discovery was made about four miles north and one mile east of the town of Bird City in section 6- T3s- R37W. Operator bottomed the well at a rotary total depth of 5100 ft. Commercially productive zones were found in the Lansing - Kansas City formation. No completion details have been released. Closest known production can be found nearly one mile to the southeast of the Burr lease in the now abandoned Buffalo Plains field in the NE/4 of section 8. The one-

well pool produced a total of 11,238 bbl of oil from June 2010 until plugged in August 2017. The Shawnee, LKC and Marmaton zones were once productive. (ref: API 15-023-21530)

4. Independent oil producer L. D. DRILLING INC, Great Bend (KS), has successfully drilled and completed the #1-32 Anderson at a total depth of 4230 ft in Decatur County. The wildcat well has discovered isolated oil deposits in the SE SW NE of section 32- T4s- R29W. It lies about one-half mile northwest of the #1 Prosch, NE SE SE in section 32 - the pool discovery well for the Lund field (Established. 1982). Dry holes separate the two wells. Both wells are producing oil from the Lansing - Kansas City limestones. The Anderson well will be considered as an infield discovery in the field. Production rate has not been disclosed. Field area is located 10 miles south and 3 miles west of Oberlin, KS. (ref: API 15-039-21268)

### Editor's Note: From an old geezer

On April 20, I pulled up the Bloomberg page to check oil prices. At first I thought the -295% change in price had to be some kind of a glitch. Sadly this was not the case. The worst price I saw was \$-37.90. I had already learned in previous days that some of the local geologists had either lost their jobs or had been forced to take a cut in pay because of the low oil price. If we can safely get past this Covid-19 pandemic, we can get the world economies moving again. Our older members in their late 60's and beyond probably can endure this time.

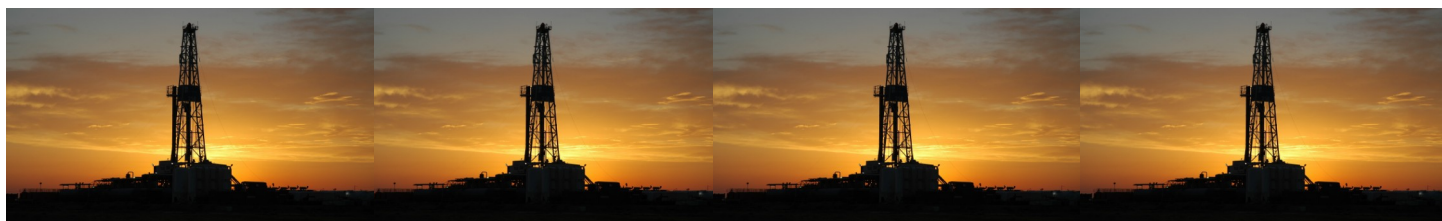
My sincere hope is that our younger members can find a path forward until better times return. From my own experience, fellow geologists that I knew in the 80's moved out of the oil business for awhile to feed their family and pay the rent. Some of these old friends jumped back in the oil patch in better times over the years. Others just stayed out because they had found a more secure livelihood. I and others of my generation have seen downturns of varying degrees over the last 40 years. Most of us persevered.

I encouraged the younger members of our society to keep their hand in the oil business, even if you have to move away from the business for awhile. Our library and society will do all we can to help you through these times.

Please email me at [manager@kgslibrary.com](mailto:manager@kgslibrary.com) with thoughts or ideas of how the KGS can be of help.

Hold strong,

Wes Hansen



CHANGE SERVICE REQUESTED

KGS BULLETIN  
May - June 2020

**May 2020**

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	11	12 KGS Board	13	14	15	16
17	18	19	20 KGF Board	21	22	23
24	25	26	27	28	29	30
31						

**June 2020**

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8	9 KGS Board	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				