



KANSAS GEOLOGICAL SOCIETY

# BULLETIN

Volume 98 Number 6

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Established 1925

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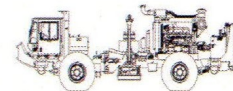
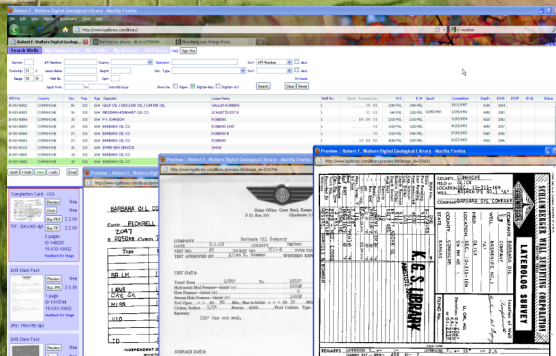
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## **ON THE COVER:**

**Steam and Hydrothermal Alteration, Iceland**

**Photo by Marli Miller**

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 1704 S. Baehr, Wichita, KS 67209. 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 will be on Zoom**

Nov 8 Rex Buchanon, Director Emeritus KGS: TBD

Dec 13 Dr. James Kalbas, Director KGS: "Trends in Midwest energy infrastructure development"

*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.*

Please remember to check the website for the most up to date information on Technical Talks

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### Bulletin

Wesley Hansen

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Tyler Sanders

### Continuing Education

### Distinguished Awards

Brian Fisher

### Environmental

Kent Matson

### Field Trip

Jerry Honas

### Fishing Tournament

### Future Plans

Tyler Sanders

### Golf

Dave Barker

### Historian

### Library

Ted Jochems

### Membership

Larry Friend

### Nomenclature

John H. Morrison, III

### Picnic

Beth Isern

### Public Relations

### Shooting Tournament

Seth Evenson

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## A.A.P.G. DELEGATES

Douglas Davis  
2025

Wesley Hansen  
2025

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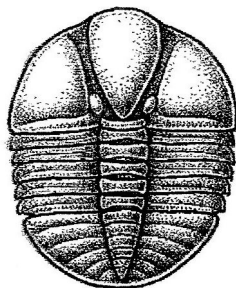
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### ***Kansas Geological Society (KGS) Medallion for Scientific Distinction and Excellence***

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 and Mike Dealy

## AAPG IMAGE and Section Meetings

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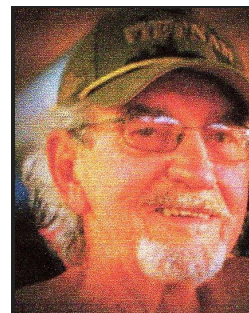
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# Memorial

## Obituary for Charles H. Latham

Charles Horace Latham (Chuck / Charley) age 80 of Derby, Kansas passed away at home on Tuesday October 17, 2023.

Chuck was born June 29, 1943 to Horace (HB / Buster) and Leone (Crouch) Latham in Bomarton, Texas. They soon moved to Goree, Texas where Chuck started 1st grade and later graduated from Goree High School in 1961. Sports was the love of his life at this time, and he always said how fortunate he was to have great coaching as well as caring and talented teachers throughout these school years.



After graduation from High School Chuck went to work in the “oil patch” in west Texas. He also went to school at South Plains College for one year before enlisting in the United States Army, January 1963. During his time in the Army, he spent 1 year in Vietnam 1968 – 1969. Chuck was awarded the Army Commendation Medal in February 1969 and returned stateside on April 5, 1969. He was honorably discharged with the rank of Staff Sergeant E-6 at Oakland Army Terminal and then returned home to Oklahoma. His full time of service was 6 years and 3 months.

Education was always important to Chuck and after his discharge from the Army he focused on attaining his bachelor’s degree with a major in marketing and a minor in history from Central State University in Edmond, Oklahoma. He was devoted to his family working full time to support them while attaining his degree.

From his early years of exposure to the oil patch it is fair to say the oil and gas industry was in his blood. Chuck started working for Magcobar, a division of Dresser Industries, out of Oklahoma City in the early 1970’s. He re-located in Enid, Oklahoma for a few years, before coming to Wichita, Kansas in 1979. Magcobar / Maverick Mud / Baker Hughes / Hughes Drilling Fluids and Mud-Co/Service Mud, Inc were all companies he was involved with during his 50 plus year career. The last 23 years of his career with Mud-Co were some of the best.

Aside from his devotion to the companies he worked for and his customers friends in the industry Chuck was a man of faith and loved his family. From the early years of tent camping to having a home at Table Rock Lake, he treasured the time and memories made when family was together.

Chuck was preceded in death by his parents Buster and Leone Latham, his father in-law and mother in-law Bob and Neva Stewart. His sister and brother in-law Myrna and Doc Murdoch.

Chuck is survived by his wife Kathy (Stewart) of 43 years and son Houston of the home. Daughter Shannon (Jim) Mouser, daughter Shelby (Maxie) Shelton all in the Oklahoma City area. Son Adam (Michelle) of Enid.

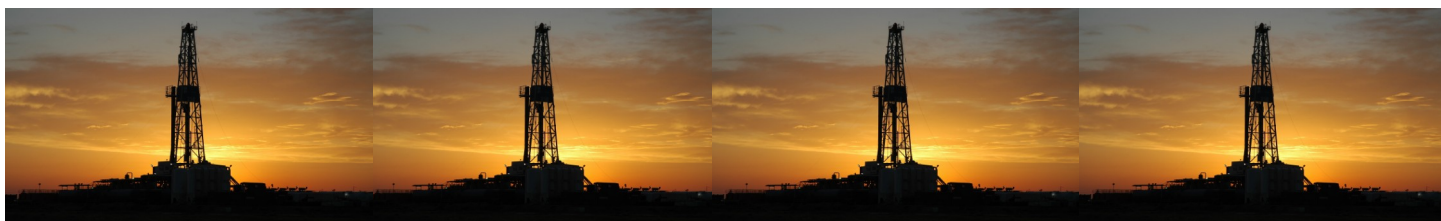
Grandchildren to their beloved PaPa, Makenzie Shelton, fiancé John Kastner Oklahoma City area. Logan Shelton, Gage Mouser both in the Oklahoma City area. Precious Gracie Mouser living with her parents Jim and Shannon. Kaleb who is in Overland Park and Josh living at home with Adam and Michelle in his final year of High School.



Sisters Linda (Jimmy) Routon and Jackie (Buster) Styles in the Wichita Falls, Texas area. Brother Dusty (Joann) Latham in Bella Vista, Arkansas.

Many nieces and nephews who loved their Uncle ChaCha dearly. Numerous cousins, other relatives and many, many dear friends.

Memorials may be given to Autism Speaks, or Beauty & Beasts, 114 S Pattie Wichita, KS 67211.



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# 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



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Past AAPG President, Rick Fritz, and past KGS President , Dave Clothier, entertained MCS attendees in the lobby of the Oklahoma Convention Center at the MCS Meeting in Oklahoma City

### Notes from the 2023 MCS Meeting

KGS members attending from the Wichita area included Doug Davis, Wes Hansen, Kevin Davis, Beth Isern, Kerry Parham, Dave Clothier, Preston Doll, Brian Fisher, Brian Wilhite, and Doug McGuiness. If I missed anyone, I apologize.

There were approximately 550 registrants (includes vendors). Angela Forrest, KGS Library manager, represented the KGS at our Society Booth. The short courses had low turnout, but the field trips and core workshop were sold out.

Doug Davis gave a report on the Sixth Biennial Field Conference by the Geosciences Department at Fort Hays State University slated for October 18-20, 2024. The MCS board voted to send 5K seed money to FHSU to prepare for the conference. The KGS is currently scheduled to hold the 2025 MCS Meeting October 4-7, 2025.

Each of the affiliated societies and foundations of the MCS will receive \$1,000 to fund scholarships and grants.

## Meet the Candidates - VP/President Elect



**Seth Evenson**

### **Education**

B.S. Geology- Wichita State University

### **Professional Experience**

Darrah Oil Company LLC. Geologist, 2009 – Present

Consulting Petroleum Geologist, 2009 - Present

Star Street Ventures, Geologic Technician, 2007 – 2009

Kansas Geological Survey, Sample Technician, 2006 – 2007

### **Professional Affiliations:**

Kansas Geological Society; AAPG; RMAG

**At the time of publication of this issue of the KGS Bulletin no other candidate has agreed to run for VP/President Elect.**

**Write-in candidate if desired**

# Meet the Candidates - Secretary/Treasurer



**Lori Landes**

**Education:**

B.S. Geology, Wichita State University 1983

**Professional Experience:**

Slawson Exploration, Geotech, 1976-1983

Energy Exploration, Geologist, 1983-1988

Brito Oil, Geologist/Geotech, 1988-1991 2014-Present

Abercrombie Energy Geologist/Geotech, 2007-2014

**Professional Affiliations:**

Kansas Geological Society

American Association of Petroleum Geologists



**Jarred Lies**

**Education**

Kansas State University graduated with my bachelor's in 2010 and masters in 2013

**Professional Experience**

I have been a consultant for the past 2 years. Before that I was employed by BVD, Inc in Yates Center as their Geologist and did consulting work as well. I do wellsite work as well as mapping/prospect development.

**Professional Affiliations**

AAPG, KGS

# Meet the Candidates - Director



**Loveness Mpanje**

**Education:**

Master of Science, Geology (EEPS), Wichita State University, December 2008

Bachelor of Science, Geology, Wichita State University, December 2001

Diploma in Agriculture, University of Malawi, June 1992

**Professional Experience:**

F.G. Holl Company, LLC, Petroleum Geologist, 12/2001 - Present

F.G. Holl Company, LLC, Geological Assistant, 02/2000 - 12/2001

Malawi Government, Ministry of Water Development, Acting Project manager, 8/1995-01/1999

Malawi Government, Ministry of Water Development, Water Supervisor, 05/1993-08/1995

Malawi Government, Ministry of Water Development, Hydrological Officer, 06/1992-05/1993.

**Professional Affiliations:**

Kansas Geological Society, 02/06/2003-Present

Kansas Geological Society Library 2020-Present



Requested picture and bio not submitted

**David Barker**



# In Memoriam

## KGS and Industry Members Lost in 2022 and 2023

**2022**

**Lee Poulsen**

**Bill Ham**

**Pat Kane**

**William “Bill” Shepherd**

**Tony Kolodziej**

**Larry Skelton**

**Alfred “Fred” James**

**Jon T. Williams**

**Phil Knighton**

**2023**

**Bill C. Romig**

**Dean Britting**

**Robert Llewellyn**

**Willis Nigh**

**Richard Cornett**

**Jim Reilly**

**Robert “Bob” Cowdery**

**Chuck Latham**



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## **A shout out to Kansas Oil and Gas Industry**

### **Service Companies**

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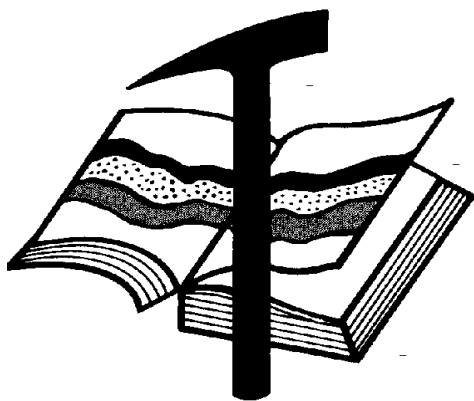
### **KGS members please check your files**

Fellow KGS members, please remember to check your files of elogs and geologist reports against the KGS paper library and the WDL before discarding them. I was contacted by John Morrison recently about a well I watched years ago that had some tops and DST info missing from his completion card. I took pics from my geo report of tops and DST results and sent them to John to update his card data. If I was to go through all of my files, I'm sure I have many logs and geo reports that are not in the files of either the KGS paper or the WDL. Before I hang things up in my career, I vow to go through all of my data and get it donated and scanned.

KCC rules allow an operator to hold information confidential for a two year period. As long as the well in question is older than the two year period, one can release the data. If one has concerns about alienating a client, of course, feel free to ask for permission.

Wes Hansen





# Kansas Geological Foundation

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

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

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## **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, 1704 S, Baehr Wichita, KS 67209 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***

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

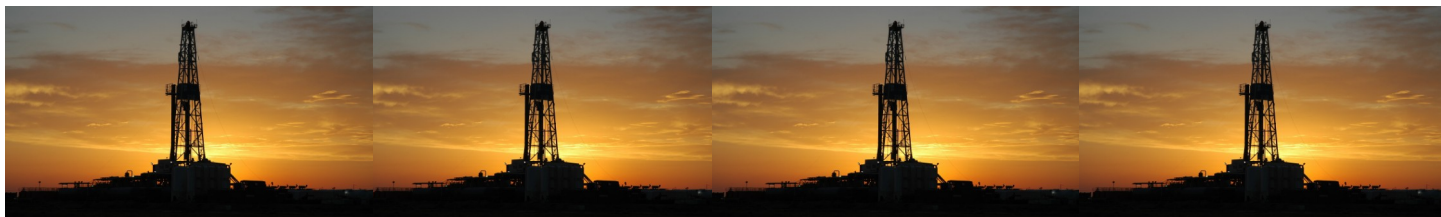
### **Fall 2023 KGF Scholarship Recipients**

#### **Fall 2023 KGF Scholarships Awarded**

<b>Name</b>	<b>University</b>	<b>Scholarship</b>	<b>Amount</b>
Austin Bruner	University of Kansas	KGF Scholarship	\$1000.00
Hannah Proffitt	University of Kansas	KGF Scholarship	\$1000.00
Luqman Olawale	Kansas State University	KGF Scholarship	\$1000.00
Bryan Heyer	University of Kansas	KGF Scholarship	\$1000.00

#### **KGF Grants**

**Sarah Lamm, PhD candidate at KU**  
**\$2000.00 for Rocks and Rockets Event in Colby**  
**August 2023**



# ***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, 2023.**

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.

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## **KGF Officers and Board Members**

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**Nick Hixon (25)            Beth Isern (25)**

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**Scholarships - Maurice Korphage**

**Publicity - Wes Hansen**

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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.**

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

# Kansas Geological Foundation Memorials

KGS Member	Date Deceased	Memorial Established
Dan Bowles	09/89	1990
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Robert Gebhart	01/90	1990
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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
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Elmer "Lucky" Opfer	12/96	1996
Raymond M. Goodin	01/97	1997
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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
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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
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W.R. "Bill" Murfin	09/98	1998
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Joseph E. Rakaskas	01/99	1999
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Howard E. Schwerdtfeger	11/98	1999
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Warren E. Tomlinson	01/00	2000
James A. Morris	01/00	2000
Eric H. Jager	03/00	2000
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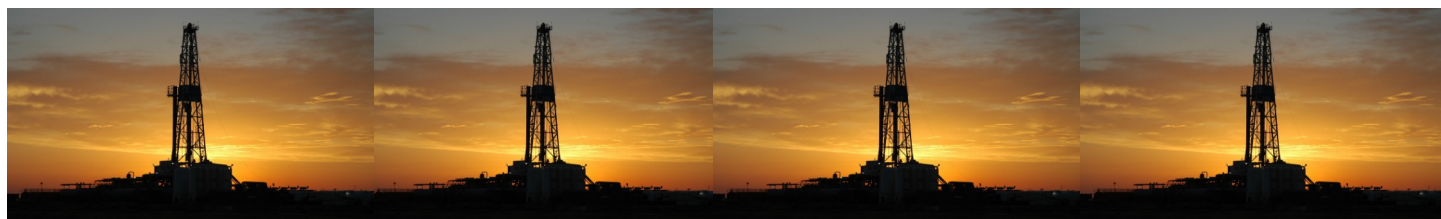


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Jerold E. Jespersen	06/01	2001
William A. Sladek	06/01	2001
Harlan B. Dixon	06/01	2001
Edward B. Donnelly	08/01	2001
Richard P. Nixon	02/02	2002
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Gerald W. Zorger	01/02	2002
Don L. Calvin	03/02	2002
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
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Richard M. Foley	06/05	2005
Wayne Brinegar	06/05	2005
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Jack Heathman	05/06	2006
Charles Kaiser	09/06	2006
Rod Sweetman	08/06	2006
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Walter DeLozier	05/09	2009
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Craig Caulk	03/10	2010
Joseph E. Moreland, Jr.	03/10	2010

# Kansas Geological Foundation Memorials

KGS Member	Date Deceased	Memorial Established
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
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Wayne E. Walcher	07/11	2011
Henry F. Filson	07/11	2011
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Edgar E. Smith	09/11	2012
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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 Hambricht	12/18	2019
W. Lynn Watney	7/19	2019
Byron Hummon	12/18	2019
Mike Raymond	11/19	2019
James Roberts, Jr.	3/19	2019
Herb Johnson	8/19	2020
Lloyd Parrish	2/20	2020
Bruce Reed	5/20	2020
Bob Scull	6/20	2020
Thornton E. Anderson	7/20	2020
Don Shawver	12/16	2020
Phillip Hart	12/20	2021
Timothy Lauer	05/21	2021
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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.

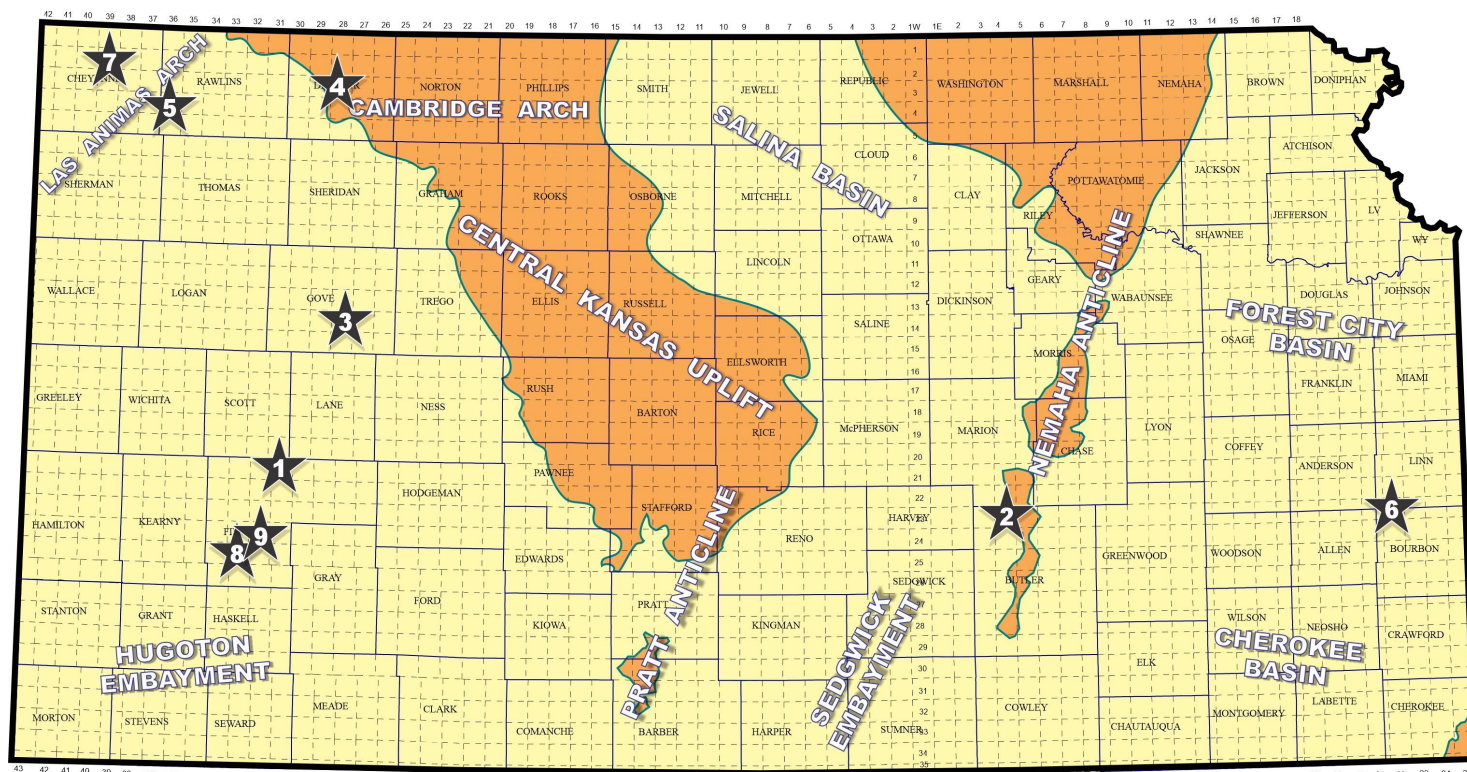
To be a Visiting Geoscientist bearing the AAPG flag, you are asked to have at least 5 years of experience and make at least one visit per year to a university. It can be a school with an AAPG Student Chapter, or a college/university without one. Your choice.

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)

# Exploration Highlights

By John H. Morrison, III  
Independent Oil & Gas Service



Map courtesy of Marc Summerville

**1. Raydon Exploration, Inc.,** Oklahoma City (OK), has discovered Mississippian oil deposits at a rank wildcat well in Finney County, southwest Kansas. The #2-10 Breyfogle is producing an undisclosed amount of crude oil at site located in the SW/4 of section 10- T21s-R31W, about one mile south and eleven miles east of the town of Friend. The well was drilled to an estimated 5,200 ft by Duke Drilling tools. Closest recognized production in the vicinity of the new find lies over four miles away in the Crist oil field, which has produced oil from the Marmaton formation since 1966. Raydon's new oil field has not been named. (Ref: API 15-055-225921)

**2. IGWT, Inc.,** Rose Hill (KS), has discovered new Mississippian oil reserves at the #1 S & W wildcat well spotted in the NW/4 of section 31- T23s- R4E, in Butler County. The new unnamed pool opener was drilled to a logger's total depth of 2522 ft using C & G Drilling tools. Top of the Mississippian formation was found at 2402 ft. Oil comes from perforations shot between 2420 to 2430 ft. Daily potential has not been disclosed. Site lies six miles northeast of the town of Whitewater (KS), or nearly one mile northeast of the Paulson Southeast pool, which has also produced oil from the Mississippian since 1981. (Ref: API 15-015-24201)

**3. US Oil Resources LLC,** Lakewood (CO), has discovered new Lansing - Kansas City oil reserves at a wildcat well drilled in the NW/4 of section 6- T14s- R28W, in Gove County. The #6B-6-1428 Tustin was drilled to a total depth of 4,630 ft with Duke Drilling tools. No completion details have been released. Discovery site is located over one mile southeast of the Hoffsmith East pool, which US Oil Resources opened in October 2018 with three Mississippian oil producers completed for 35 to 45 BOPD each on the Beougher lease in section 36- T13s- R29W. Closest recognized LKC production lies nearly two miles away in the Mabel L West oil field. US Oil Resources new discovery is located six miles south of Gove, Kansas. The new field has not been named. (Ref: API 15-063-22431)

**4. Cobalt Energy LLC,** Wichita (KS), has established new Lansing - Kansas City oil production at their #1-3 Fortin new pool discovery in Decatur County, northwest Kansas. The wildcat well was drilled to a total depth of 3,944 ft at location in the SE/4 of section 3-T3s- R28W, about four miles east of the town of Oberlin. Completion details are confidential currently. The well was put on pump on June 29, 2023. Closest previous production near the new find lies almost two miles away in the Jon oil field (LKC, 1966 to present), which has produced over 1.267 million barrels of crude oil from 34 wells over the years. Cobalt's new pool has been named the "Fortin" pool. (Ref: API 15-039-21294)



**5. Downing - Nelson Oil Company**, Hays (KS), reports the discovery of two new oil fields in Rawlins County, north-west Kansas. First, the #1-7 Maggie's Farm was drilled in the NW/4 of section 7- T4s- R36W to a total depth of 4,965 ft by Duke Drilling Rig #5. The wildcat well found abundant oil deposits in the Cherokee formation. The new discovery lies over one mile southwest of the one-well Washman oil field, which also produced oil from the Cherokee formation in 1985. Completion details are confidential. The new "Maggie" pool is situated about five miles south and two miles west of McDonald, Kansas. (Ref: API 15-153-21308)

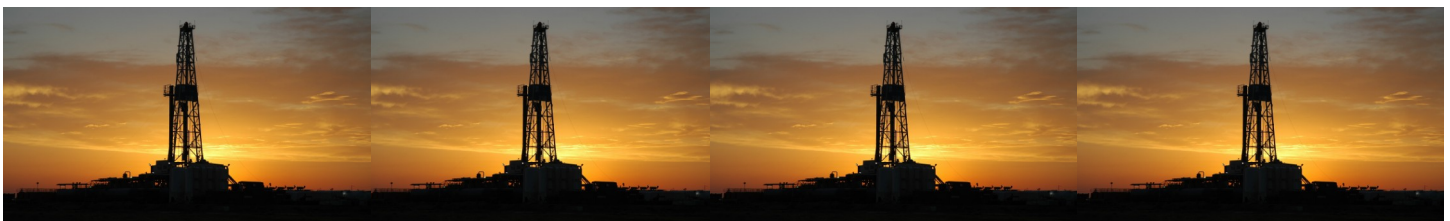
**6.** In the NE/4 of section 32- T4s- R36W, Downing - Nelson's #1-32 House Farms is producing an undisclosed amount of crude oil from the Marmaton (Pawnee) and Cherokee formations. Operator bottomed the well at a total depth of 4960 ft (4962 LTD). The well was completed in mid-July. Completion details are confidential. Wellsite is located over two miles northeast of multi-pay oil production (Lansing-Kansas City, Marmaton, and Cherokee) in the Little Beaver Creek pool, and is eight miles south of McDonald, Kansas. Downing - Nelson's new discovery has established the "House" oil field. (Ref: API 15-153-21309)

**7. McGown Drilling, Inc.**, Mound City (KS), has established new Cherokee (Bartlesville Sand) oil production nearly two miles east of active wells in the Blue Mound Southeast in Linn County, eastern Kansas. The BB27 Wilson was drilled with company tools in the SE/4 of section 12- T23s- R22E, about two miles south and three miles east of Blue Mound, Kansas. Total depth is 750 ft. No completion details have been released. The well was placed on pump on May 26, 2023. The new oil field has been named "Yoro", based on a nearby railroad stop 130 years called Yoro Station. (Ref: API 15-107-25529)

**8. Murfin Drilling Company, INC.**, Wichita (KS), has completed their #1-3 Waters A as a commercial oil well producing crude from both the Shawnee (Leavenworth) and Lansing - Kansas City limestone formations. The Cheyenne County wildcat well opens the "Devil's Canyon Southeast" pool eleven miles north and two miles west of Bird City, Kansas. Well Location is in the NW/4 of section 3- T2s- R38W. Company drilling tools bottomed the well at a total depth of 4,850 ft. No completion details are available. Closest recognized production in the vicinity of Murfin's new find lies almost two miles away in the Devil's Canyon oil field, which Murfin also discovered in 1988. (Ref: API 15-023-21599)

**9. Merit Energy Company LLC**, Dallas (TX), reports new oil discoveries in Finney County, southwestern Kansas. First, Merit Energy's #1 Wolverine in the NW/4 of section 26- T25s- R33W is producing crude from the Morrow and Mississippian (Chester Sand) formations effective March 15, 2023. Edge Services Rig #12 drilled the well to a total depth of 5,240 ft. Completion details are confidential. The new "Wolves Northwest" pool opener found reserves over three-quarters mile east of production in the Coyote Northeast Field, which Merit Energy also discovered in July 2015 in section 27. The #6 Drussel 'A' discovery well was completed for 46 BOPD with pay coming from the upper and lower Morrow and Mississippian (Chester) formations. The two oil fields lie about seven miles south and one mile west of Garden City, Kansas. (Ref: API 15-055-22576)

**10.** In section 28- T24s- R32W, **Merit Energy** has established new Mississippian (Chester) oil production at the #1-28 Napeste located about one mile southwest of Garden City, Kansas. The well was drilled to a total depth of 4,941 ft and was placed on pump on April 20, 2023. Completion details are confidential. Discovery of the new reserves was made about one and one-half miles northwest of recognized Morrow and Mississippian oil production in the Arkansas River pool in section 26, which Merit Energy established in 2016. The new pool discovery on the Napeste lease has been "Arkansas River West". (Ref: 15-055-22581)



## November 2023

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

## December 2023

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