



KANSAS GEOLOGICAL SOCIETY

BULLETIN

Volume 95 Number 6

November - December 2020

Established 1925

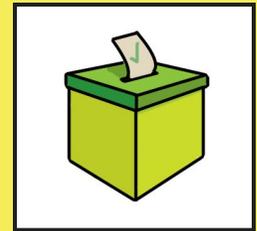
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KGS Shooting Tourney Results

KGS/KGF Beer Meet



**Dakota Sandstone Concretions
At Mushroom Rock State Park**

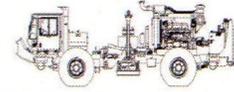
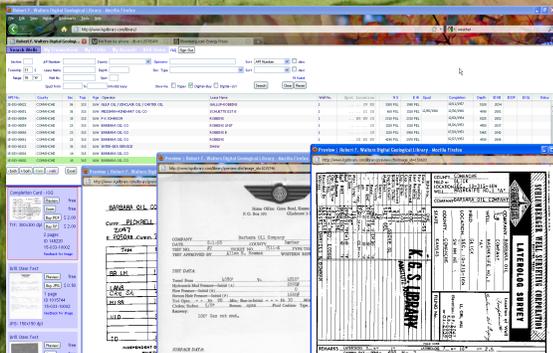
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ON THE COVER:

Mushroom Rock State Park, located in the Smoky Hills region of north-central Kansas, is noted for its mushroom rock formations. These rocks are the remains of beach sands and sediments of the Cretaceous Period, the interval of geologic time from about 144 to 66 million years ago. Sandstone and sedimentary rock is held together by natural cement. The concretions that make up Mushroom Rocks are cemented calcium carbonate. The largest rock measures 27 feet in diameter. There are two mushrooms and a giant shoe rock, as well as numerous other rock formations in the 5-acre (2.0 ha) park. Mushroom Rock is Kansas's smallest state park.

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 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 will be on Zoom

- November 4, 2020 Dr. David Vaughn, “Coral Reef Restoration: What is it? And can we do it in our lifetime?”
- November 18, 2020 Dr. Michael Blum, KU, President SEPM: “Cretaceous to Paleocene North American Drainage Reorganization from Detrital Zircons”
- December 2, 2020 Michael Everhart, Sternberg Museum: “New Late Cretaceous Shark from Mitchell Co., KS.”
- December 16, 2020 Dr. Katie Stack Morgan, JPL NASA: “Seeking Signs of Ancient Life in Jerero Crater with the Mars 2020 Perseverance Rover”
- January 13, 2021 Mike Party, Past President AAPG
- January 29, 2021 KGS Annual Banquet, Petroleum Club

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.

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2021

Wesley Hansen
2021

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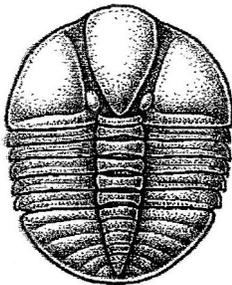
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**Randy Lilak correctly identified
The last one as: Harpides**

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

Dear KGS members,

To say this has been a strange year would be an understatement. I started off this year with great hopes of what could be done to plan for our future.

What I did not see was a 20 million per day demand drop due to a pandemic, or a price war between the top producers that would accompany that situation. We have been operating for so long on thin margins going back 6 years ago, I felt safe in projecting we might be close to climbing out of the woods. Even this final week of October the news continues to disappoint.

The price collapse while unforeseen, must still be addressed and dealt with.

Early this year I sought the board's approval to send out a survey to get a pulse of where our membership was. The events transpiring caused the postponement of that survey. Now, near the end of my term, the survey is more important than ever. The survey is important for two reasons, first the serious nature of our long-term viability due to oil price, and secondly, determining how best to address our declining membership in light of our aging demographics.

In the past, our business has been given an infusion of new members based on oil price surges. It is also likely, another price surge will not occur in the next 12-18 months, at least not to a level to encourage widespread education of geologists in our universities. We are left with the reality that, as our members age, our numbers will shrink, and with it our revenues.

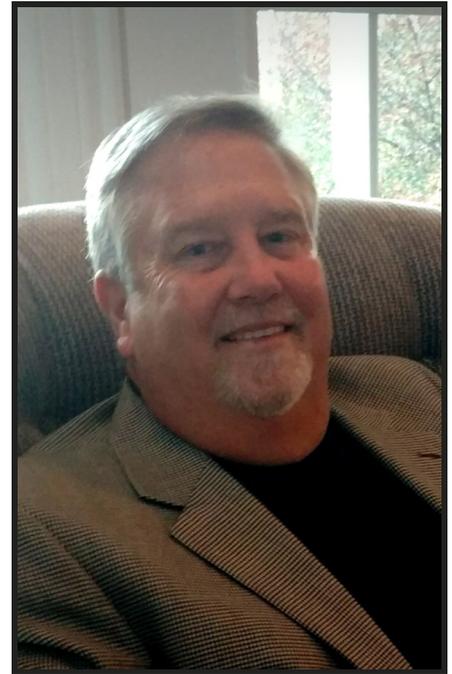
Many of our members continue to pay Library subscription fees out of a sense of pride, more so than a sense of need. We have many members over 65 years old who continue to pay Library fees, while not using our paper Library. Going forward there are realities that must be addressed, and guidance sought, to give the incoming Board the direction it needs.

With this in mind, as our bulletin, ballots and Library dues go out in early November, I will take the time seek your input, and get direction from you the members. To that end I will direct the Library manager to send out a survey with the annual Library subscription dues. I ask you take a moment to read the introductory paragraph and then answer the questions as honestly as possible. It is important we get feedback from the Paper Library paying members, and weight them accordingly, to help make the best decisions for our immediate future.

Additionally, we will conduct a 'general survey' via email, to seek direct input of our more than 600 society members as well. Their views and guidance will also assist the Board as we face 2021 and beyond.

While both the Paper library and Society are bound by the same Board, the Paper Library bears the burden of our substantial costs. Most of our social gatherings, and other events throughout the year manage to make money and provide the camaraderie of our organization. Is this the direction we should go? Regardless, the current situation cannot continue its unsustainable path. To that end, we will be seeking ways to reduce expenses and encourage members to stick with us for an additional year.

To encourage the Paper Library members to 'stick with us', at our last board meeting we made the decision to keep Paper Library annual fees steady at \$800, but to reduce, for 1 year, the Walter's Digital Library subscription fees to \$400 for those paper Library subscribers. This 33% reduction in cost is meant to enhance the value of the paper subscription fees. Secondly, we voted to increase the paper discount on Library produced prints to 50% (up from 20%), for those paper Library subscribers, again, to enhance the value of the Paper Library subscription.



Continued on page 9

AAPG Section Meeting Updates For 2020

**Mid-Continent Biennial Field Conference
Postponed until Fall of 2022 Rolla, MO**

ADVERTISER'S DIRECTORY

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While these measures do nothing to increase the demand of our product back to pre-covid levels, or to increase the price to make it profitable, we hope both of these measures demonstrate to our members the proactive decisions the Board is making to help in this difficult time.

We strongly encourage everyone to carefully review the survey and answer the questions honestly, so your voice is heard. This information will be especially helpful to the incoming new Board of Directors being seated in January 2021. This coming year our building lease will expire in December. Now is the opportune time for membership input. We sincerely hope you take the time to provide your input.

While my term is not yet up, this will be my last newsletter and I am incredibly grateful for the support and kind words many of you have offered during this difficult time. It has been your support and kind encouragement which has made this year much easier for me.

I also want to thank the members of our Board who graciously met, under trying conditions, to go about conducting the business of the library. I encourage you to thank them, as you have thanked me, in recognition of their efforts as well.

In the upcoming KGS Board election, I encourage everyone to vote and, take the few minutes to fill out the enclosed survey which will be sent with the annual billings. There will be no 'essay questions' however, anything you write will be read and used to inform the Board's decision as to how best we move forward.

Thank you, and with great respect, for another 2 months, I remain your president.

Tim Lauer
2020 KGS President

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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 new 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 encourage 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. As of August 6, WTI is near \$40-42/bbl We are slowly getting back to business.**

Please email me at manager@kgslibrary.com with thoughts or ideas of how the KGS can be of help.

Hold strong,

Wes Hansen

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

Job Opening with KCC

The KCC is currently recruiting an unclassified Professional Geologist Supervisor position. This position serves as the Supervisor of the Conservation Division District #1 field office in Dodge City. To be considered, candidates must possess a Bachelor's degree from an accredited university in Natural Science/Resources with coursework in Geology/Earth Science and Geoscience and a Professional Geologist License recognized by the Kansas Board of Technical Professions. To apply, please visit <http://jobs.ks.gov/>

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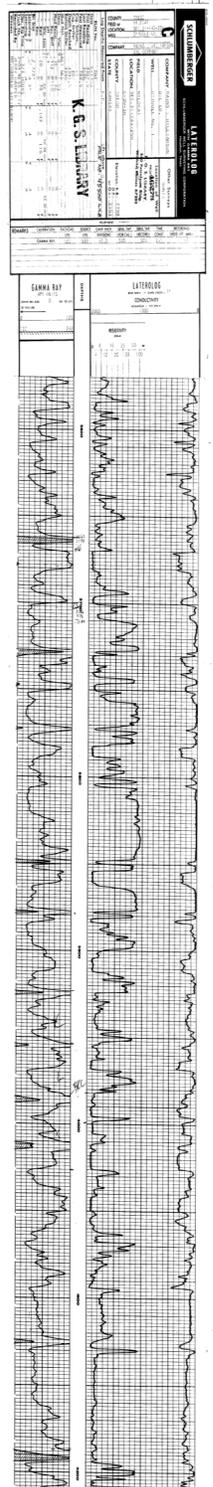
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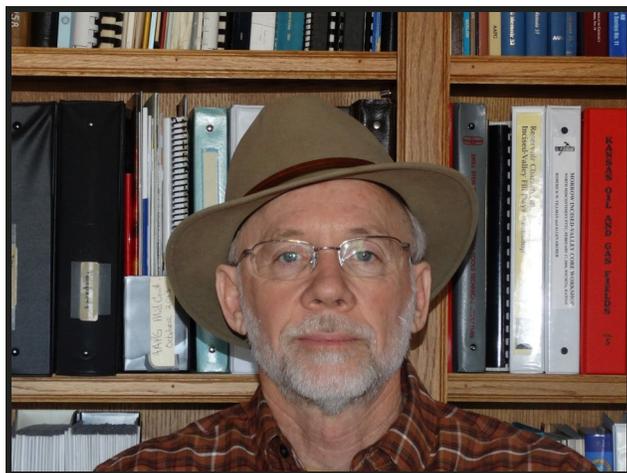
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Meet the Candidates - VP President Elect



Kerry Parham

Education:

B.S. in Geology with Honors, 1981; Wichita State University
M.S. in Geology 1989; Wichita State University

Professional Experience:

Exploration Geologist: Hoppe O & G; The Reach Group; 1981-1984
Exploration Manager: KanEx Exploration 1984-86
Consulting and Wellsite Geologist: 1986-87; 1989-1990
Exploration Geologist and completion engineer: Falcon Exploration 1987-88
Research Scientist: Kansas Geological Survey 1990-1993
Building Inspection and Environmental Testing: Terra Inspections 1993-2014
President/Exploration Geologist: Terra Firma Exploration: 2004-present

Professional Affiliations and Licenses:

Kansas Geological Society (since 1981)
KGS Library and Walters Digital Library member
AAPG (37 years) and DPA Certification #4336
Kansas Licensed Geologist #369

Publications:

Contributing Author: KG Society Kansas Oil and Gas Fields Vol #5
Contributing Author: AAPG Studies in Geology #35 “Mississippian Oolites and Modern Analogs”; 1993
Author (Kansas Portion) of Bureau of Economic Geology “Atlas of Major Mid-Continent Gas Reservoirs”; 1993
Member of University of Kansas team of engineers and geologist that created the technology transfer model (predecessor of PTTC)



Roger Martin

Education: B.S. Geology, University of Kansas

Professional Experience: Geologist, Mull Drilling Co., Inc. 1978-1981; Independent Geologist, 1981-present; Operator-Producer (Martin Petroleum, Inc. 1985-1992

Professional Affiliations: KGS; AAPG; KGF (director 1996-1998, VP 1996, President 1997); SIPES (National Board of Directors, 1999-2000), WAPL; Licensed Geologist in Kansas

KGS Boards and Committees: KGS (director 1998-1999, VP 2000, President 2001); KGS Honorary Member; Calling Committee; Field Trip Committee

Meet the Candidates - Secretary/Treasurer



Gareth Dinkel

Education:

B.S., Geology, Fort Hays State University - 2015

M.S., Geology, Wichita State University - 2017

Professional Experience:

Grand Mesa Operating Company: Geologist, 2017 present

Wichita State University: Research Assistant / Teaching Assistant, 2017

Independent Consulting Wellsite Geologist, 2015-2017

Professional Affiliations:

Kansas Geological Society

Oklahoma Geological Society

State Intern Geologist #169

American Association of Petroleum Geologists



Franek Hasiuk

Education:

MS, PhD, Geology, University of Michigan, 2008

BS, Geology, University of Iowa, 2003

BA, Classics, University of Iowa, 2003

Professional Experience:

Senior Petroleum Geologist, Exxon Mobil 2008-2012

Assistant Professor of Geology, Iowa State University, 2012-2018

Associate Scientist, Kansas Geological Survey, 2018-present

Professional affiliations:

AAPG, SEPM, GSA, AGU

Meet the Candidates - Director



Nick Hixon

Education:

BS in Geology from Fort Hays State University 2017

Professional Experience:

Geologist @ Trans Pacific Oil Corporation (Wichita, KS) August 2017-Present

Wellsite Geologist/Mudlogger @ Impac Exploration Services (Weatherford), OK) May 2017-July 2017

Wellsite Geologist Intern @ Solutions Consulting (Hays, KS) August 2016-March 2017

Environment Scientist Intern @ KDA Division of Water Resources (Stockton, KS) Summer 2014, Summer 2015, May 2016-March 2017

Professional Affiliations:

Kansas Geological Society



Preston Doll

Education:

M.S. in Geology 2015 Oklahoma State University

Thesis: (Determining Structural Influence on Depositional Sequences in Carbonates Using Core-Calibrated Wireline Logs: Mississippian, Mid-Continent, U.S.A)

B.A. in Geology 2013 Wichita State University

Professional Experience

Geologist Stelbar Oil Corporation, Wichita, KS 2019 – Present

Geologist II, Apache Oil Corporation, Midland, TX 2015-2019

Geology Intern, Apache Oil Corporation, Houston, TX Summer 2014

Regulatory Intern, Chesapeake Energy Corporation, Oklahoma City,

OK Summer 2013

Geology Intern, Vess Oil Corporation, Wichita, KS 2011-2013

Professional Affiliations:

AAPG

Kansas Geological Society



KGS/KGF Beer Meet

A small, but lively group, of 18 geologists, spouses and other “Oilies” gathered at Chicken N Pickle in east Wichita for an evening of food, beverages and conversation. The evening was a bit cool, but our little shelter had heaters to keep all comfortable. The health concerns due to Covid likely kept many others from joining in. Those in attendance included Beth Isern, committee chair, Debbie and Brian Fitzgerald, Kent and Jeannette Crisler, Wes and Betty Hansen, John and Glenda Hastings, Nick and Jordan Hixon, Jimmie Ricketts, Paul Simpson, Roger Martin, Mike Dixon, Will Murfin, Tim Hellman and Billy Wills. A big thanks to Beth Isern for setting the event; Debbie and Brian Fitzgerald for buying appetizers for the group; monetary sponsors, Debbie Fitzgerald and Wes Hansen; and the staff of Chicken N Pickle.



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15-033-00051	COMANCHE	36	31S	15W	MESSEMAN-INDENHART OIL CO	SCHMETTE EST B	1	...	02 03E	140 FSL	1320 FSL	12/05/1960	4910	2051				
15-033-00054	COMANCHE	15	31S	15W	F. K. JOHNSON	ROBENS	1	...	30E 03E	210 FSL	2110 FSL	12/07/1954	5025	2052				
15-033-00059	COMANCHE	23	31S	15W	BARBARA OIL CO	ROBENS UNET	1	...	03 03E	1300 FSL	1320 FSL	06/20/1953	4950	2037				
15-033-00060	COMANCHE	23	31S	15W	BARBARA OIL CO	ROBENS B	1	...	03 03E	1300 FSL	1360 FSL	07/03/1953	5465	2042				
15-033-00061	COMANCHE	23	31S	15W	BARBARA OIL CO	ROBENS	1	...	03 03E 30E	4200 FSL	2670 FSL	02/27/1953	4930	2066				
15-033-00103	COMANCHE	36	31S	15W	INTER-SEA SERVICE	SHAW												
15-033-00081	COMANCHE	14	31S	15W	BARBARA OIL CO													
15-033-00002	COMANCHE	38	31S	15W	BARBARA OIL CO													

final paperwork on loans.

VI. New Business

- Library allowing members in. Social distancing still in effect.
- Orders down but making a nice comeback.
 - price and lack of activity
 - WDL good source for log orders. (add a 'submit to print' feature submitted to Kurt Look)
- Increasing memberships/awareness of the KGS/WDL by offering a free 1-year membership to Petroleum Professors, and even Environmental Professors.
- Next meeting will be held September 15th, 2020 after a rescheduling.

VIII. Adjournment - Mr. Hastings made a motion to adjourn the meeting, the motion was seconded by Mr. D. Davis, and the meeting was adjourned @ 1:15 PM.

Minutes of the KGS Board of Directors Meeting

September 15, 2020 – Gather at 11:30 for Lunch, Petroleum Club 'Board Room'

ATTENDANCE & QUORUM:

Officers & Directors:

Tim Lauer – President

Brian Fisher – VP

Tom Dudgeon – Secretary

Doug Davis – Director

Wes Hansen – Director

Absent: Bob Stolzle – Treasurer

John Hastings – Director

Doug Louis – Advisor

Kevin Davis – Advisor

I. Call to Order – Mr. Lauer called the meeting to order at 11:57 AM

II. President's Statement

How long should we as a Board plan for this?

III. Society Activities/Events Update

- Tech talks offered remotely as alternatives for 'in person' talks. Update from Doug Davis. Great attendance on Zoom meeting Tech Talks so far!
- Golf Tournament is cancelled for 2020, 1 of 12 full teams had been signed up as of Sept. 15th
- Shooting tournament has raised \$3,400 as of Sept. 15th

IV. Approval of Aug 11th, 2020 Minutes – Mr. Fisher made a motion, seconded by Mr. Hansen, and the minutes were approved unanimously, as amended.

Minutes of the KGS Board of Directors Meeting

V. Financial Report

- Manager's Report (Aug 2020) – Total Income for August was \$24,519.78, Total Expenses for the month were \$37,875.49, bringing the YTD net loss to \$58,549.76 less Expenses The avg. monthly change comes to a loss of \$7,320.

VI. Old Business

- The Building Committee update. Tyler's committee continuing to review.
 - Prices are going down but will anything suitable be available.
- Survey Questions for membership? Should we move ahead now?
 - Mr. Fisher made a motion to get a survey out to the membership ASAP, seconded by Mr. Doug Davis, approved unanimously.
- Provide Board input on level of support prior to renewal of memberships.
- PPP Loan update – AGH recommends waiting on paperwork/payoff based on tax implications/ waiting on the next stimulus vote

VI. New Business

- Library allowing members in. Social distancing still in effect. Getting about 10 to 15 visitors/ week
- Orders down
 - price and lack of activity
 - Update on 'submit to print' feature Kurt Look – In process @ survey, delayed by upgrades/updates to software for the state of KS and WDL itself.
- Scanning update and progress goals – Continuing to scan logs, 5 years out on catching up with donations.
- Next meeting will be held October 13th, 2020.

VIII. Adjournment – Mr. Hansen made a motion to adjourn the meeting, seconded by Mr. Fisher, and the meeting was adjourned at 1:01 PM.



In Memoriam

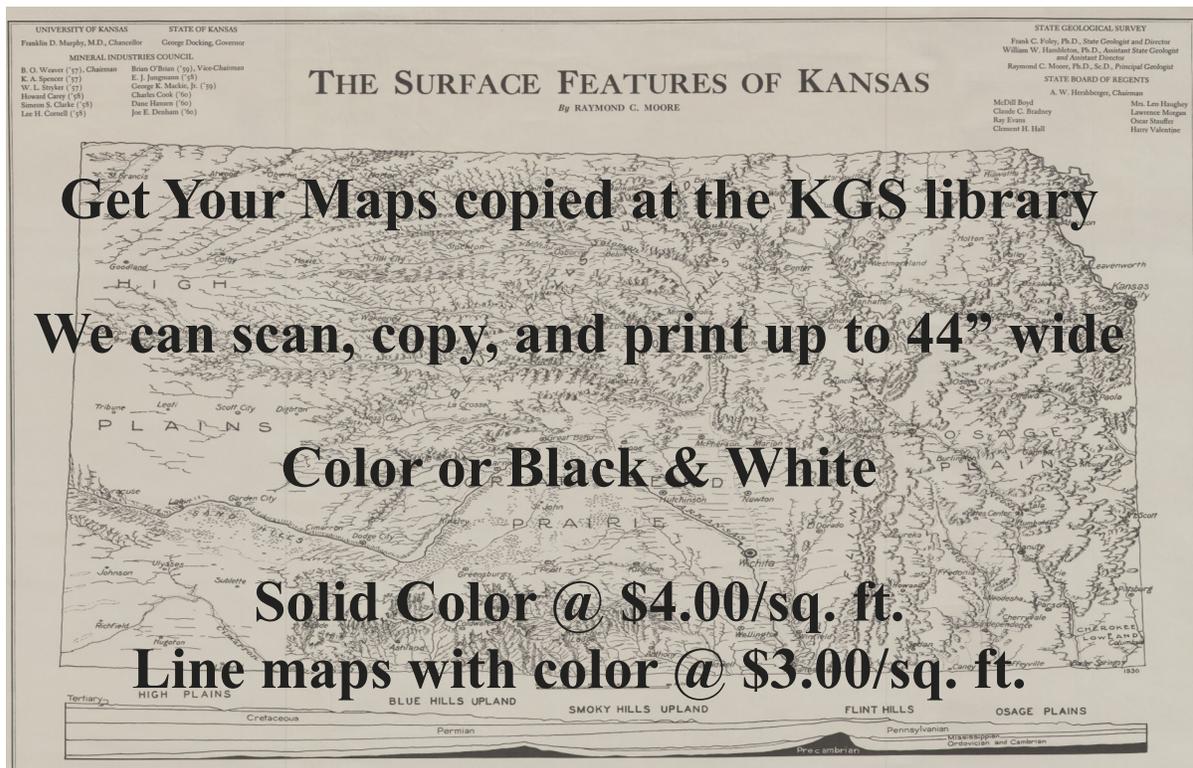
KGS and Industry Members Lost in 2019 and 2020

2019

Bob Euwer
James A. Roberts
W. Lynn Watney
Herbert R. Johnson
William M. Raymond

2020

Lloyd K. Parrish, Jr.
Bruce A. Reed
Bob Scull
Thornton E. Anderson
Ronald S. Schraeder



2020 KGS Shooting Tournament Results October 2, 2020 Shady Creek Sporting Clays

1st Flight	<u>Name</u>	Score	Place
	Wayland Booth	83	1st
	John Washburn	77	2nd
	Garrett Dinkel	76	3rd
	Seth Crisler	76	4th
2nd Flight			
	Greyson Fox	66	1st
	George Rayl	66	2nd
	Cody Towner	66	3rd
	Rob Kramer	66	4th
3rd Flight			
	Eddie Brown	61	1st
	Kaylee Tabbert	61	2nd
	Jeremy Berblinger	60	3rd
	Dick Schremmer	59	4th
4th Flight			
	Brad Crouch	53	1st
	Joel Taylor	53	2nd
	Landon Stribling	50	3rd
	Shannon Crouch	45	4th

Any tie scores were settled based upon scores on 3 tie-breaker stations. A big thanks to Larry Richardson and his committee for all of their efforts in putting on the tournament.

Thank you to our Shooting Tournament Sponsors

Andy's Mud & Chemical	Davis Moore Chevrolet	Beredco Drilling
Buckeye Supply	Central Kansas Surveying	CVR Refining
David Barker	Diamond Testers	Duke Drilling
Eagle Creek Corp.	Edwards Consulting	Grand Mesa Operating Co.
Gressel Oil Field Service, LLC	Jayhawk Oil Field Supply	Larry Richardson
Lotus Operating	Mud-Co	Mull Drilling
Murfin Drilling	NALCO Chemical	CHS McPherson Refining
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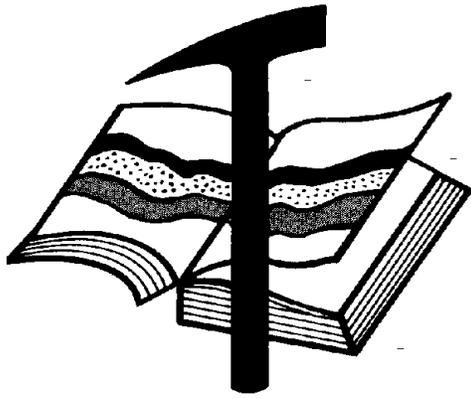

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 Kansas Licensed Geologist #330
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Kansas Geological Foundation

Web Site: 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:

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

Kansas Geological Foundation

Cornerstone

Kansas Geological Foundation News

Fall 2020 Scholarship Recipients

Applicant	University	Scholarship	Amount
Ali Roustezadeh	Kansas State Univ.	Robert Cowdery Scholarship	\$1000
Barabas Adeymi	Kansas State Univ.	KGF Scholarship	\$500
Sara Lamn	Kansas State Univ.	KGF Scholarship	\$500
Benjamin Walters	Kansas State Univ.	KGF Scholarship	\$500
Isaac Allred	University of Kansas	KGF Scholarship	\$500

Applicant	University	Scholarship	Amount
Olivia Jones	University of Kansas	KGF Scholarship	\$500
Will Swanson	University of Kansas	KGF Scholarship	\$500

KGF Grants

Dr. Hendratta Ali of Fort Hays State University
Awarded in December of 2019 \$1000.00

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 Spring semester will be due by December 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 September, 2020

For the year 2020 through September, 3732 new logs and plotted geo reports have been added to the WDL, along with 2689 rescans. A total of 18,062 logs and geo reports have been examined. This represents a 20.66% addition to the WDL.

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.	3/19	2019
Herb Johnson	8/19	2020
Lloyd Parrish	2/20	2020
Bruce Reed	5/20	2020
Bob Scull	?/20	2020
Thornton E. Anderson	7/20	2020



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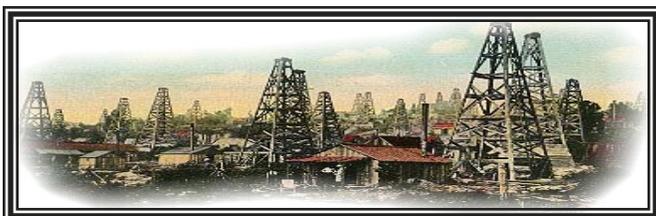
The logo for Duke Drilling Company features the word "DUKE" in large, bold, black letters at the top. Below it, a silhouette of a drilling rig is centered. The words "DRILLING" and "COMPANY" are written in bold, black letters on either side of the rig. Below the rig, the text "ROTARY DRILLING CONTRACTOR" is written in a smaller, bold, black font. At the bottom, contact information is provided in two columns: "620 Hubbard PO Box 823 Great Bend, KS 67530 Phone 620-793-8366" on the left and "100 S. Main, Ste. 410, Wichita, KS 67202 Phone 316-267-1331 Fax 316-267-5180" on the right.

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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.

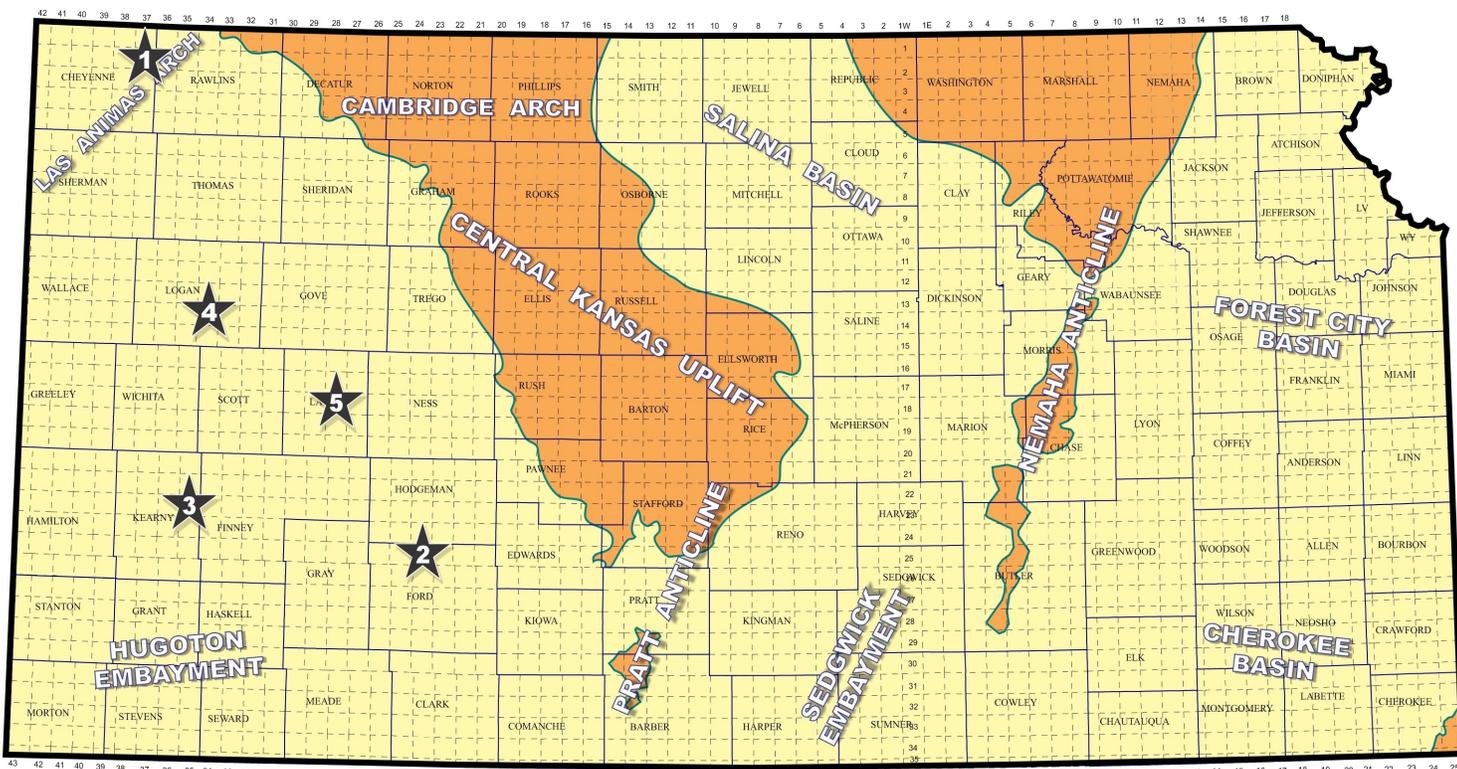
To be a Visiting Geoscientist bearing the AAPG flag, you are asked to have at least 5 years of experience and make at least one visit per year to a university. It can be a school with an AAPG Student Chapter, or a college/university without one. Your choice.

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

Exploration Highlights

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



Map courtesy of Marc Summerville

1. Murfin Drilling Company Inc, Wichita (KS), has established a new Lansing-Kansas City oil field in Cheyenne County near the Rawlins County line. The #1-24 Abbe Unit, spotted in ~NE NE NE NE of section 24- T2s- R37W, was drilled to a total depth of 5,100 ft into the Mississippian formation by company tools. Four drill stem tests were taken. First production commenced on June 23rd. Completion details are confidential. The new Brumm Southwest oil field lies nearly one and one-quarter miles south of recognized production in the Brumm West field (2017, Oread and LKC oil), or eight miles north and six miles east of Bird City, Kansas. (ref: API 15-023-21545)

2. Castle Resources, Inc., Russell (KS), has established new Mississippian oil production at a wildcat well spotted nearly one and one-half miles southeast of closest similar production in the Saw Duck field (estab. 2012) in Ford County. The #1 Doc Holliday / Fischer was drilled to a total depth of 5600 ft. into the Arbuckle formation. White Knight Drilling was contractor. The new Doc Holliday pool discovery well is in the N/2 SE SE NE of section 11- T25s- R24W, about eight miles south and five miles east of Dodge City, KS. Production comes from a depth of 4768 ft. No production details have been reported. (ref: API 15-057-21041)

3. Merit Energy Company LLC, Dallas (TX), has discovered Marmaton oil reserves at the #1-5 Carrie, ~SE SE SW NE in section 15-23s-35W, in Kearny County. The new Carrie pool discovery is pumping 200 BOPD, no water, from the Altamont and Fort Scott limestones at depths between 4356 to 4452 ft in the Marmaton formation. Duke Drilling tools bottomed the wildcat well in the Mississippian Saint Louis formation at a total depth of 5000 ft. Production began in April. The Carrie lease is located nearly two miles west of recognized production in the Redwood pool

(estab. 1992, Marmaton and Morrow oil). Field area lies about five miles north of the city of Deerfield. (ref: API 15-093-21978)

4. **Darrah Oil Company LLC**, Wichita (KS), has discovered oil in the Johnson limestone member of the Cherokee formation at the #1-10 Younkin wildcat in Logan County. Spotted in the NE NE NE SE of section 10- T14s- R 34W, the new Eagle Bluff pool discovery well was completed on June 17, 2020 four miles south and five miles east of Russell Springs, KS. Production information is currently confidential. Murfin Drilling tools bottomed the well at a total depth of 4675 ft. Drill site lies over one mile northeast of recognized Marmaton oil production in the Lone Butte Northeast oilfield, which was discovered by New Gulf Operating LLC and Culbreath Oil & Gas Company in early 2015. (ref: API 15-109-21604)

5. **Talon Group LLC**, Hays (KS), has successfully washed down and completed the #1-1 Virginia, NW NE SW NE in section 1- T18s- R28W, in Lane County. The wildcat well has established Lansing - Kansas City oil production two miles north and five miles east of the town of Dighton, KS. The well had good shows of oil recovered in drill stem tests when drilled to a total depth of 4600 ft in 2014. One test in the Lansing - Kansas City 'K' zone from 4090 to 4200 ft recovered 461 ft of gassy, heavily oil cut mud. Completion details are currently being held confidential. The new LS Southwest discovery is located about one mile southwest of the LS West oilfield, which has also produced oil from the 'K' zone in 2012. (ref: API 15-101-22498)

New Completion Card and Strip Log Scanner Purchased

A big thanks to Angela Forrest for her research for a new scanner for our completion cards and strip logs. The scanner that was being utilized by the staff was on loan from our IT vendor. It was beginning to have some issues, so the acquisition of our own scanner was imperative. The scanner purchased was a Fujitsu fi-7030. Angela has been working with it and she has been able to set up everything we need.



CHANGE SERVICE REQUESTED

KGS BULLETIN
 November - December 2020

November 2020

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

December 2020

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