



KANSAS GEOLOGICAL SOCIETY

# BULLETIN

Volume 96 Number 4

July - August 2021

Established 1925

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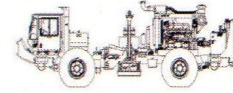
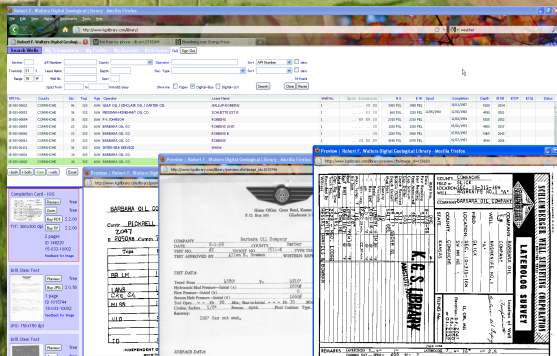
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## ON THE COVER:

close-up view of oolitic limestone of the Proterozoic Johnnie Formation, SE California. Penny for scale

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 will be on Zoom**

July 14, 2021 Ray Leonard, Anglo-Eurasian LLC, “2020 The Turning Point: The Future of Energy”

August 25, 2021 Deborah Sacrey, Auburn Energy, “New Discoveries and Reservoir Optimization”

## Preliminary Notice

Prior to the 2022 billing for KGS membership, an email will be sent for members to **OPT IN** for a printed version of the KGS Bulletin. The plan is that the Bulletin will be digital online for viewing or printed and mailed for those that choose that path. Those that choose to have a print version will have an additional charge added to their membership renewal. The estimated cost for a printed and mail copy of the Bulletin is in excess of \$25.00 per year,

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

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### PRESIDENT

Brian Fisher

### PRESIDENT-ELECT

Roger Martin

### SECRETARY

Garet Dinkel

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Tom Dudgeon

### DIRECTORS

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---

### Advertising

Kent Scribner

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### Annual Banquet

Doug Davis

### Bulletin

Wesley Hansen

### Continuing Education

### Distinguished Awards

Wesley Hansen

### Environmental

Kent Matson

### Field Trip

Jerry Honas

### Fishing Tournament

### Future Plans

Tyler Sanders

### Golf

Rob Patton

### New Building

Tyler Sanders

### 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

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Douglas Davis  
2021

Wesley Hansen  
2021

## BULLETIN STAFF

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### EDITOR

Wes Hansen (316) 772-6188

### ADVERTISING

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

### MEMORIALS

Wesley Hansen

### EXPLORATION HIGHLIGHTS

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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

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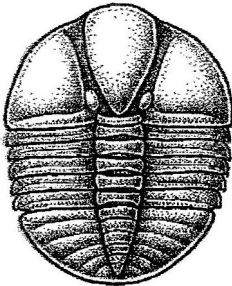
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**Randy Lilak correctly identified  
The last one as: Harpides**

**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 and friends,

Our summer weather has finally started. Occasional heavy rains are still slowing down efforts for ongoing field operations, service companies and contractors trying to drill wells and performing well workovers. Some service companies are unable to staff back up and even restart their operations due to labor shortages. I had heard reports of job cancelations or delays because of shortages of experienced hands. Again as I write this letter world oil prices are still slowly increasing.

I would like to acknowledge the contribution of Doug Davis who has managed to provide our society with a series of excellent on line speakers and presentations through these unusual and difficult times. Our recent Kansas Geological Foundation mixer was a great success and well attended. Let do this again sometime at the end of summer or early fall.

I am now announcing some great news! Over the last few months the Kansas Geological Society and Foundation have been working together closely to purchase a warehouse office warehouse building. Before the end of the year the KGS library will be moving into a new location. If there are no late developing problems, we are scheduled to close on the property in late July. The Foundation will own the building and the Library will be able to rent space in the new building at a greatly reduced rate as compared to our present location in landmark square. We are still looking for volunteers to provide help with the supervision of the upcoming move, please contact Tyler Sanders.

The library even with the higher Kansas oil prices has still continued to lose money on a monthly basis so far this year. The KGS Board is continuing to look for ways to reduce overhead and increase sales. The board plans for the library to still be operational for many years to come. This new building purchase will help greatly reduce monthly overhead operational costs. Please contact the foundation if you would like to donate for the new building purchase and/or for continued scanning of documents. If data is missing and it's an out of state operator be sure to notify the Kansas Corporation Commission so they can contact the operator for missing or incomplete records. When mapping I hate looking at dry holes or producing wells that have no information.

I am hearing more optimism from my fellow geologists that activity in the Kansas Oil patch is starting to pick up again. I am hopeful that future oil and gas prices will not go back down and the prices will soon stabilize. We all know that good ideas will always get drilled and good deals can always be sold.

Sincerely  
Brian G. Fisher



## AAPG ACE and Section Meeting Updates For 2021

**ACE 2021**      September 26-October 1, 2021  
Denver, CO

**AAPG MCS**      October 3-5, Tulsa, OK

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

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## Recent Donations to the KGS Library through the KGF

The Midcontinent Geological Library donated a large (>80,000) scout tickets to the KGF. This set is in 150 three ring binders which will soon be available for reference in the library. The set was probably generated by Tenneco.

Anderson Energy donated Thorton Anderson's completion card set. It is current to May of 2020. It is for sale by the KGF.

Darrah Oil donated files containing approximately 3,800 electric logs and 2,500 drill stem test reports.

Other significant donations of data came from Sondra and R. D. Reber, Kansas Seismic Exchange, Steve Giebler, Roy Knappe, Larry Skelton, Randy Wolfe, Mike Maune, Whiting Oil, and Rupe Oil.

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The Kansas Geological Society & Library

# Memorial

## **Timothy J. Lauer**

April 28, 1959 - May 8, 2021

The KGS lost a good friend to many in the Wichita oil community with the unexpected passing of Tim Lauer. Tim was the 2020 president of the KGS. He was still serving on the KGS board as a director.

Tim passed away on Saturday, May 8, 2021, due to complications of a heart condition. Tim was preceded in death by his parents, Linus and Mary-Lou Lauer. He is survived by his wife Gina Lauer; daughter, Rachel Dugan (Kurtis); grandsons Henry and James; son Sam Lauer (Kassie McKenna); siblings, Greg Lauer (Linda), Maribeth Lester (Kirk), LouAnn Getz (Rex), Jane Lauer and Mark Lauer (Vicki). The family established a memorial with Boy Scouts of America, Heart of America Council Mic-O-Say Leadership Program. In addition, a memorial has been established with the Kansas Geological Foundation in Wichita.

Tim was a graduate of Wichita State University with a degree in geology. He worked for about 15 years for Range Oil in Wichita with owner Richard “Dick” Smith and geologist John Washburn. He also worked at McCoy Petroleum. Tim was owner of Intrepid Exploration, Inc. In addition, for many years Tim served as the go to man for help with GeoGraphix in Wichita.

Tim was deeply involved with his church, St. Catherine of Siena Catholic Church. His funeral mass was a testament to his service to the church. He will be greatly missed by family and friends alike.



## **Walter Innes Phillips**

1934 - May 20, 2021

Walter Innes Phillips, CEO of Pintail Petroleum in Wichita, KS, passed away May 20, 2021. Those who knew him best know that he could be a very ornery man, but always with a laugh in his heart. He was a very delightful human being. He was known to many in the Wichita community as “pops.”

He was preceded in death by his first wife, Patricia “Patsy” Phillips; parents Lee, Jr. and Anne Phillips; brother Lee Phillips, III; son; Walter “Flip” Phillips, Jr. Walter is survived by his wife, Karen Phillips; his daughter, Julie Phillips of Shawnee, KS; his grandson, Jarrod Phillips (Megan) of Derby, KS; granddaughter, Jessica Chrisman (Josh) of Wichita; his step-children, Robin Myers, Lisa Capps, John Koppenhaver (Shelley) and Todd Koppenhaver; 9 step-grandchildren; and 5 great grand-children.

Memorials have been established with St. Stephens Episcopal Church; The Land Institute, 2440 E Water Well Rd., Salina, KS 67401; and The Nature Conservancy, 4245 N. Fairfax Dr, #100, Arlington, VA 22203.

He will be missed.

In conversation with current KGS president, Brian Fisher, he asked that I place an announcement for any KGS members that seek wellsite geologic work to send their names and info to me at: [manager@kgslibrary.com](mailto:manager@kgslibrary.com)

If calls come in to the KGS seeking a consulting geologist, names will be given on a rotating basis through Rhonda.

Preference will be given to geologists who have professional ads in the KGS Bulletin.

Please be advised, that the KGS has not had calls, of this nature, for many years. Brian did, however, want interested parties to be in line for such work.

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# Minutes of the KGS Board of Directors Meeting

April 13, 2021 – Gather at 11:30 for Lunch/Meeting, Petroleum Club Board Room

## I. Call to Order 12:14pm

### ATTENDANCE & QUORUM:

#### Officers & Directors: Advisors & Guests

Brian Fisher – President	Roger Martin – Vice President	Michel Runnion- KGF President
Garet Dinkel – Secretary	Wes Hansen– Library Manager	Tim Lauer – Director
John Hastings – Director	Doug Louis – Advisor	Doug Davis - Guest

#### Absent

Tom Dudgeon – Treasurer

Preston Doll –Director

II. **President’s Statement** Oil prices are about the same, gasoline price increases seemed to have slowed. Now for some good news! The Kansas Geological Foundation signed a purchase agreement for the new building located at 1704 S. Baehr on Monday March 29<sup>th</sup> with a 90 day due diligence period. In addition the KGF has also started fund raising. Further discussion will be an agenda item. Many thanks for both boards for all the extra efforts that made this happen.

## III. Society Activities/Events Update: (updates by Doug Davis)

Join Zoom Meeting

- April 22- Dr. Nicholas Hayman, Director, Oklahoma Geological Survey, **“Using Mechanical Experimentation to Explore Reservoir Response and Bringing the Oklahoma Geological Survey into a Blue-Green Economy”**

## IV. Approval of March 9th, 2021 Minutes

Motion to accept the March minutes as read by Mr. Tim Lauer, seconded by Mr. John Hastings

Motion passed unanimously

## V. Financial Report

Manager’s Report Summary (March 2021) Gross income for March \$39,606.95 Total expenses \$47,153.55 for a monthly net loss of \$7,546.60 for a \$51,656.87 cumulative loss this year attached

## VI. Old Business.

Fire alarm inspection maintenance bill for (\$247.25). Motion to accept bill made by Mr. Roger Martin, Seconded by Tim Lauer. Motion passed unanimously

### **Building/Move Status**

The Foundation has signed a purchase contract with the property owner for the building warehouse located at 1704 S. Baehr Street, GSI is updating the Environmental Site assessment (member Chuck Brewer), Member Kerry Parham is performing a building inspection. A careful estimate of the future building operating expenses is nearly complete.

The Foundation has initiated fund raising for the building purchase. An ice breaker donation in the amount of \$40,000 has been received... Has been received. Member Chris Steincamp who is a Foundation board member and an attorney is pulling together necessary details for final building purchase. The Foundation is scheduled to close on this property June 30, 2021.

Dr. Ross Chiamonte (Current Building Owner) Dr. Ross has offered to sell the KGS the existing building located at 212 N. Market. For the possible purchase price of \$500,000. A motion to decline M. Ross's offer was made by Mr. Tim Lauer, seconded by John Hastings. Motion passed unanimously

### **VII. New Business**

Board heard discussion about outstanding balances and collection from membership

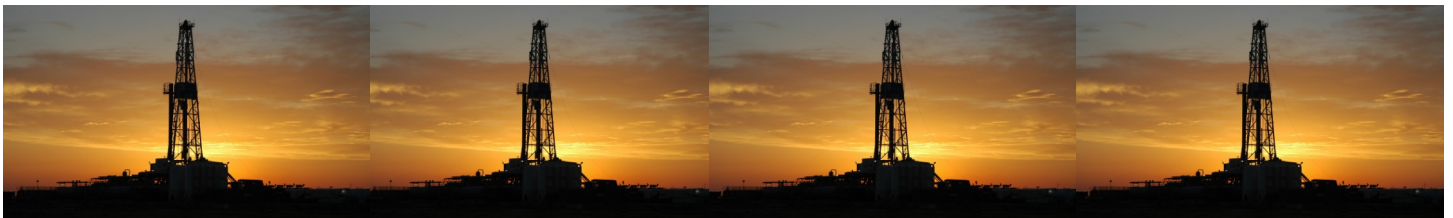
KGF will be accepting donations for a new building purchase in the near future. KGS members please support the KGF by joining.

Board heard discussion to limit one on line access to one on line Digital Membership library computer. Discounts for multiple company employees for the first year. Another discount for early payment for Digital Library Access.

### **VIII. Adjournment**

Motion to adjourn by Mr. John Hastings

Next meeting is scheduled for May 11<sup>th</sup> 2021



# Minutes of the KGS Board of Directors Meeting

May 11, 2021 – Gather at 11:30 for Lunch/Meeting, Petroleum Club Board Room

## I. Call to Order 12:10 PM

## II. ATTENDANCE & QUORUM:

### Officers & Directors: Advisors & Guests

Brian Fisher – President	Roger Martin – Vice President	
Garet Dinkel – Secretary	Tom Dudgeon- Treasurer	Preston Doll - Director
Tyler Sanders – Advisor	Doug Louis – Advisor	Doug Davis - Guest

Absent

John Hastings – Director

**II. President’s Statement:** As before Oil prices continue to climb higher under the Biden Administration and activity is slowly increasing. It is with great sadness that we have learned that our former 2020 KGS past president and current Trustee Tim Lauer has passed away last Saturday morning. My family has learned the following information that may be subject to change: Tim’s rosary is scheduled at Downing and Lahey funeral home this Friday at 7:00 pm. The funeral will be Saturday at 1:00 at St. Catherine’s church. Internment following at Schulte cemetery.

## III. Society Activities/Events Update: Comments by Doug Davis. Join next Zoom Meeting:

- KGS Talk June 20, Dr. Lee Krystinik: Past President AAPG, Title “Facts Verses Fear: What does the data tell us about Climate Change and the future of Energy?”

## IV. Approval of April 13th, 2021 Minutes

Tabled to next meeting

## V. Financial Report

- Manager’s Report Summary April 2021 Gross income for April \$24,452.68 Total Expenses \$50,208.97 for a monthly net loss of \$25,756.29 with an annual net loss of \$77,413.16

## VI. Old Business

- Survey Questions for Library members have gone out and we have received a sampling back. Email Survey will be completed and sent to all Society members, results not compiled yet.

- Motion to discontinue the membership survey was made by Mr. Preston Doll, seconded by Mr. Roger Martin; motion passed unanimously.
  - PPP Loan update. Update and details.
    - o No Change
- Scanning update and progress.
  - o No Change
- Geologist Licensing – Kansas State Board of Technical Professions.
  - o Update by Mr. Doug Louis on qualification requirements to take PG exam. Issues with the acceptance of earth science credits not related to geological study. Suggested board in the future should consider expressing input.
- Kansas Geological Foundation Mixer
  - o Mr. Roger Martin- June time frame, still working on date
- Status of KGF fund raising, Status of building purchase: comments by Brian Fisher
  - o \$40,000 starting donation made to kickoff fundraising. Still working to structure the agreement between foundation and society rental agreement.

## **VII. New Business**

- Computer subscription “short fuse” requests from Net Systems to Angela Forrest last week Before the end of the year KGS library will purchase a new server and will run a dual system after moving into our new building location. KGS will be verifying a seamless transfer of function before turning off old system. Total approved cost will be: approximately \$1683.78.
  - o Motion to approve Net Systems bill was made by Mr. Roger Martin and Seconded by Preston Doll; motion passed unanimously.
- Tyler Sanders – update news for possible new building purchase.
  - o New Layout is in the works, accepting volunteers to help
    - § Will form a committee to help design layout and coordinate the move
  - o Kerry Parham building inspection underway
    - § Identified mortar joints in need of repair (out for bid)
    - § Painting of concrete walls (out for bid)
    - § Will present final inspection next month.
- Discussion of the next KGS banquet. Doug Davis

- o Tabled till January.
- Continued discussion of Preston’s first pass at the infographic, and the financial models associated with the member’s information.
  - o Mr. Preston Doll suggests reviewing price schedule for corporate membership to help with long term goals.
- Discussion of replacement of Trustee Tim Lauer. We can take suggestions for nominations and vote next meeting.
  - o Nominations accepted, Board approved the nominations of Kerry Parham, Mr. Parham accepted the nomination and was voted in as director via email on 5/13/21
- Outstanding Paper Library balances have been collected.
- Next meeting will be held June 8<sup>th</sup>, 2021.

### VIII. Adjournment

Motion to adjourn by Mr. Tom Dudgeon, Passed unanimously

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## 25th Annual KGF Spring Mixer Central Standard Brewing



Jaime Jiminez of Paragon Geophysical Services (seated far right) with several Unidentified younger guests





In the foreground: Brian Fisher with Cindy and Dave Williams  
In the background: Jerry Honas, Frank Mize, Brian Wilhite, Tyler Sanders, Roger Martin and Dan Reynolds

**Big thanks to Paragon Geophysical Services for their generous donation towards the event**



Clockwise from upper left: Mike Dixon, Jerry Honas, Frank Mize, Tyler Sanders and Brian Wilhite



Vona Dean and Chellie Mazzullo



Kerry Parham, Ken Dean and Todd Aikins



Dick Jordan and Beth Isern



Dick Jordan, Scott Robinson and Randy Wolf

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**TECHNICAL THEMES FOR POSTER AND ORAL SESSIONS**

- Geology of the Mid-Continent
- Geophysics of the Mid-Continent
- Energy Evolution: Future of Energy- 21st Century and Beyond
- Next Age of Making a Profit in the Mid-Continent
- Insights from the Permian Super Basin

**FIELD TRIPS**

- Depositional complexities of U Penn fluvial-dominated deltaic deposits, Skiatook Lake, *Lee Krystinik*
- The OZTrails Geology (Mountain Bike Tour) of Benton County, Arkansas, *Shane Matson*
- Geology of Redbud Nature Preserve and Stratigraphy of an Upper Pennsylvanian Cyclothem near Catoosa, *Whitney Campbell, John McLeod, and Doug Jordan*
- Tectono-Stratigraphic Evolution of the southern Mid-Continent Margin, *Mac McGilvery*

**SHORT COURSES INCLUDE**

- Fundamentals of Carbon Capture, Utilization, and Storage
- Machine Learning and Data Analytics
- Petroleum Systems Analysis/Geochemistry
- Geosteering Fundamentals

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**FOR ADDITIONAL INFORMATION, CONTACT: Tara Benda, General Chair - [aapgmcs2021@outlook.com](mailto:aapgmcs2021@outlook.com)**

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15-03-4902	COMANCHE	16	31S	31W	GLF OIL / SINCLEAR OIL / CARTER OIL	GALLUP-OBDRS	1	...	312 31E	3300 FSL	1940 FSL	12/1/1997	510	2034				
15-03-6051	COMANCHE	16	31S	31W	MESMAN-HEHART OIL CO	SCHLETTE EST B	1	...	312 31E	660 FSL	1200 FSL	12/06/1960	4950	2051				
15-03-6054	COMANCHE	15	31S	31W	F K JOHNSON	ROBINS	1	...	312 31E	2310 FSL	2310 FSL	12/03/1964	5025	2052				
15-03-6059	COMANCHE	23	31S	31W	BARBARA OIL CO	ROBINS LH1	1	...	312 31E	1320 FSL	1320 FSL	06/06/1963	4568	2037				
15-03-6060	COMANCHE	23	31S	31W	BARBARA OIL CO	ROBINS B	1	...	312 31E	1320 FSL	1360 FSL	07/03/1963	5465	2042				
15-03-6061	COMANCHE	23	31S	31W	BARBARA OIL CO	ROBINS B	1	...	312 31E	4200 FSL	2470 FSL	02/27/1963	4930	2086				
15-03-6013	COMANCHE	16	31S	31W	INTEK-SEA SERVICE	SHAW												
15-03-6061	COMANCHE	14	31S	31W	BARBARA OIL CO													
15-03-1002	COMANCHE	18	31S	31W	BARBARA OIL CO													

# THE SURFACE FEATURES OF KANSAS

By RAYMOND C. MOORE



## 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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**Rock Fest  
2021  
At The  
Kansas Oil  
Museum.**

**May 22,  
2021**

Butler County Historical Society Home of the Kansas Oil Museum held its annual Rock Fest on Saturday, May 22, 2021. Rock Fest is a free event hosted by the museum for visitors to learn about the geology of Kansas.

The rain held off and the cool weather provided the perfect atmosphere for the event. With more than 20 vendors and activities and 10 acres of outdoor fun, there was something for everyone to enjoy including a fun family Yoga activity. Participants were entered to win a Fitbit sponsored by Humanities Kansas. And a scavenger hunt gave visitors the chance to find objects and win prizes.



Kansas Strong brought their mobile energy education truck. The truck provides hands-on STEM education on wheels.





Wes and Betty Hansen served as hosts at the geode “busting” station at Rock Fest 2021. The geodes were provided by Tiya Tonn, Executive Director of the Butler County Historical Museum and Kansas Oil Museum. Betty and I enjoyed the experience and I was most grateful that some “youngin” didn’t bring in some strange rock from heaven knows where for me to identify.



A future geologist? Rumor has it Exxon has already offered him a position



Tours of the vintage oil equipment and living history presentations were part of the educational fun.

**Volunteer Dale Wilson demonstrates early oil industry equipment.**



Jodi Hoffman, Valley Center resident, came to hear living history presenter John Schuster. Schuster shared about the use of nitroglycerin in the oil industry. “I didn’t realize all this was here,” said Hoffman when referring to the museum. “What a gem it is!”

**John Schuster tells about the use of nitroglycerin in the early days of oil exploration.**

**All of the photos and the majority of the text for the Rock Fest are courtesy of Deanna Bonn of Everyday El Dorado.**

**A big thanks to Tiya Tonn, Executive Director of the Kansas Oil Museum and her staff for putting on this informative event.**



Learning about Kansas fossils



Students making their own pet rock

## *In Memoriam*

### **KGS and Industry Members Lost in 2020 and 2021**

#### **2020**

**Lloyd K. Parrish, Jr.  
Bruce A. Reed  
Bob Scull  
Thornton E. Anderson  
Ronald S. Schraeder  
Billy Gene Ree  
Philip L. Hart**

#### **2021**

**Lee Banks  
Richard “Dick” Smith  
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Walter Innes Phillips**

#### **Attention:**

**The KGF has several empty completion card cabinets for sale.  
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Please contact Ted Jochems or Tyler Sanders through  
the KGS at 316-265-8676**



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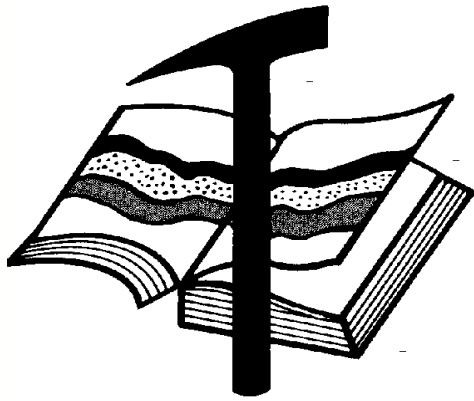
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**212 North Market  
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A not-for-profit educational and scientific corporation

## **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*

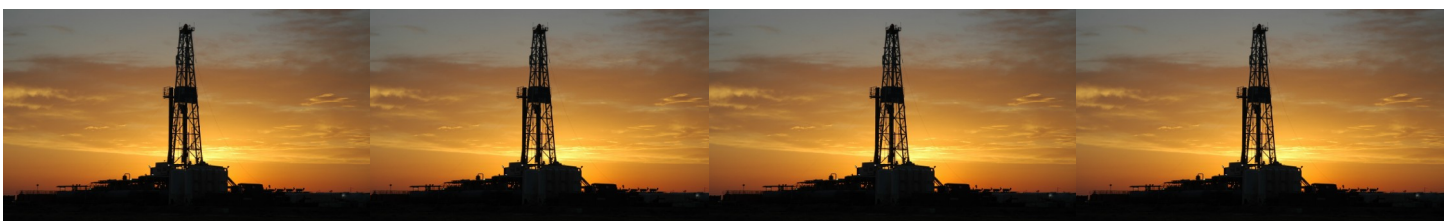
### *Kansas Geological Foundation News*

#### **Fall 2021 KGF Scholarship Recipients**

<b>Name</b>	<b>University</b>	<b>Scholarship</b>	<b>Amount</b>
Skylar Kaminski	Kansas State University	Robert Cowdery Scholarship KGF Scholarship	\$1000
Riley Allen	Fort Hays State Univ.	KGF Scholarship	\$500
Riley Sanford	Fort Hays State Univ.	KGF Scholarship	\$500
Bryan Wooten	Fort Hays State Univ.	KGF Scholarship	\$500
Carrie Brooks	Kansas State University	KGF Scholarship	\$500
Rowdy Farris	University of Kansas	KGF Scholarship	\$500
Nicholas Ferry	University of Kansas	KGF Scholarship	\$500
Dustin Heese	University of Kansas	KGF Scholarship	\$500

#### **KGF Grants**

**\$1000 to Vidhesh Shukla**  
**Graduate Student from Kansas State University**



# *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, 2021.**

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.

---

## **KGF Officers and Board Members**

**President - Michel Runnion**  
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## **Board Members**

**Dave Callewaert**      **Mark Galyon**  
**Ryan Dixon**        **Mark Thompson**  
**Will Darrah**

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

## **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 May 31, 2021**

From January 1 through May 31, 2021, a total of 13,092 documents were examined by the integrators. A total of 1925 new documents were added to the WDL along with 1499 rescanned documents to replace poor images. This represents a 14.7% increase to the WDL.

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

Submitted by Ted Jochems



# Thank you to the Current KGF Members

The Kansas Geological Foundation gratefully acknowledges the generous contributions from the following Individual and Corporate Donors during our yearend 2020 fundraising. From the Basic Membership up through the Millennium Class Members, we are deeply appreciative of your generosity in one of the most challenging times in our history. We wish you every success in the years and decades ahead.

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# Kansas Geological Foundation Memorials

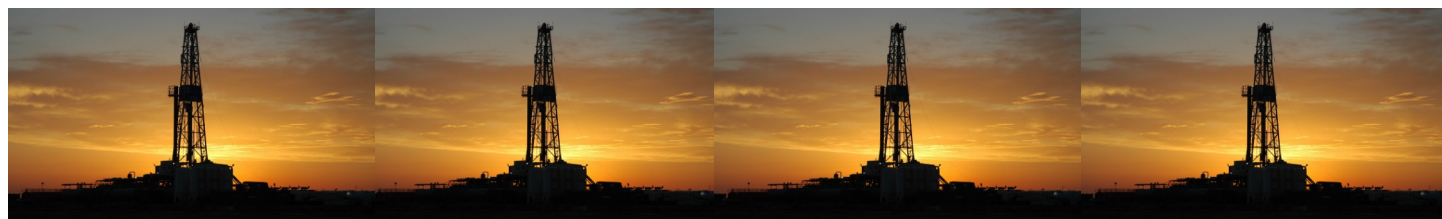
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John Brewer	10/89	1990
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Robert Gebhart	01/90	1990
Ray Anderson, Jr.	11/90	1990
Harold McNeil	03/91	1991
Millard W. Smith	08/91	1991
Clinton Engstrand	09/91	1991
M.F. "Ted" Bear	10/91	1991
James & 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
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Gerald J. Kathol	03/97	1997
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R. Kenneth Smith	04/97	1997
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Delmer L. Powers	06/72	1997
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Bus Woods	01/98	1998
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Stephen Powell	04/98	1998
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W.R. "Bill" Murfin	09/98	1998
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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
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Benny Singleton	09/03	2003
Jay Dirks	2003	2003
J. Mark Richardson	02/04	2004
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Ruth Bell Steinberg	2004	2004
Gordon Keen	03/04	2004
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Eldon Frazey	04/07	2007
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James Ralstin	11/08	2008
Earl Brandt	04/09	2009
Walter DeLozier	05/09	2009
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John Stone	02/10	2010
Craig Caulk	03/10	2010
Joseph E. Moreland, Jr.	03/10	2010

# Kansas Geological Foundation Memorials

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Gene Garmon	03/10	2010
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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
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Max Houston	05/16	2016
Robert "Gus" Messinger	01/17	2017
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Gary Sandlin	01/17	2018
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E. G. "Elbie" McNeil	12/18	2018
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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.



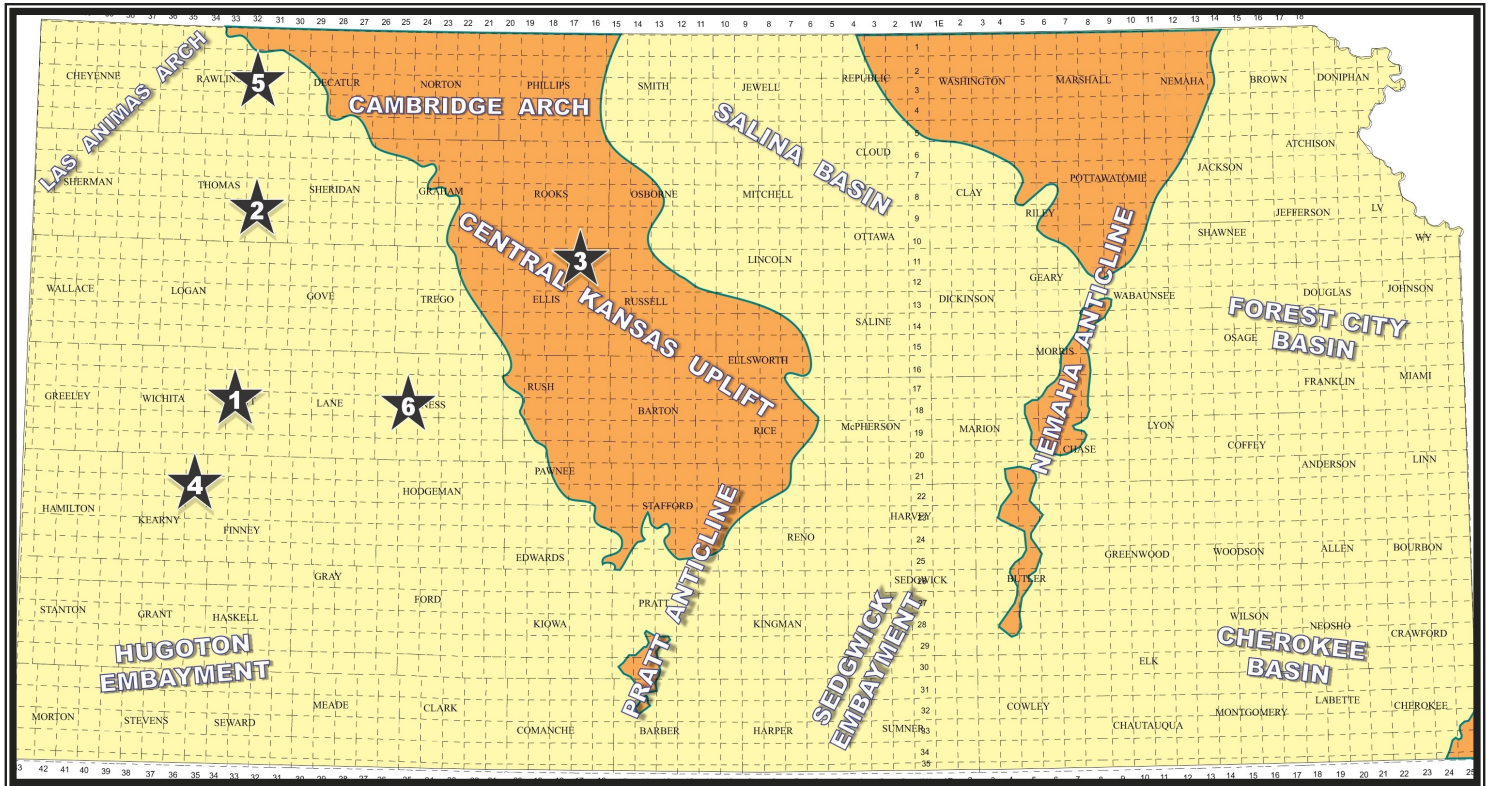
**AAPG Needs You!**  
**Professional geoscientists, share your world!**

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)



Map courtesy of Marc Summerville

1. **Darrah Oil Company, LLC**, Wichita, KS. is producing an undisclosed amount of crude oil at the #1 -5 B4US new pool discovery well in Scott County. The 4900 ft. deep wildcat well found oil deposits in the Marmaton (Altamont Limestone) formation, and is situated nearly three miles northeast of Marmaton and Cherokee oil production in the Prime Pork field. Drill site is located in approximately NW SW SE SW in section 5- T18s- R33W, or about two miles north and four miles west of Scott City, Kansas. The new oil field has been named the "Shocker" field. No other details have been released by operator at this time. The B4US well was placed on the pump in January this year. (ref: API 15-171-21265)
2. **Elk Energy Holdings, LLC**, Wichita, KS. has a new oil discovery in Thomas County with the successful completion of the #1-36 Albers Trust, spotted in approximately SW SW SE NE in section 36- T9s- R32W. The wildcat well opens the "Albers North" pool at site located about three miles south and six miles east of the town of Mango, Kansas. Production began in mid-May. Well completion details are being held confidential at this time. The well was drilled to a total depth of 4700 ft. by Murfin Drilling tools. Lansing-Kansas City was primary zone of interest, however, the Mississippian formation also produces oil in the immediate vicinity. (ref: API 15-193-21084)
3. **Anchor Bay Petroleum LLC**, Hays, KS., has discovered new Lansing - Kansas City oil reserves at their #1 D & S Farms well, located in approximately NW NE SW NW in section 11- T11s- R17W, Ellis County. The wildcat was drilled by White Knight Drilling tools to a total depth of 3580 ft. into the Arbuckle formation. Details on completion remain confidential. The new field has been named "Legacymakers". It is located is thirteen miles north and two miles east of Catherine, Kansas. It lies over one-half mile north of known production in the Turkville West Field, which produced oil from the Arbuckle. (ref: API 15-051-26995)

4. **Petroleum Development Company**, Tulsa, OK, has placed the #1-14 Engler Farms on pump in approximately SE NW SE NE in section 14- T22s- R35W, in Kearny County. The remote wildcat discovery well found oil deposits in undisclosed zone (s), nearly three miles from closest known production in the area. The well was drilled by Murfin Drilling tools to a depth of 4950 ft. Completion details are confidential. Operator had designated the Fort Scott and Marmaton zones as primary zones of interest, however, the Lansing-Kansas City, Cherokee, Atoka, Morrow and Mississippian formations have also proven to be productive in the vicinity. The new oil field has been named "Conviction. It is located eleven miles north of Deerfield, Kansas. (ref: API 15-093-21981)
5. **Chizum Oil, LLC**, Wichita, KS, has discovered Lansing - Kansas City oil deposits at a rank wildcat well located over two miles northwest of closest known production in the Norman Field (2015) in Rawlins County. The #1-34 Walker, spotted in approximately SE NE NW in section 34- T3s- R32W, is producing an undisclosed amount of crude from the Lansing 'G' zone at a depth from 4080 to 4084 ft. Rotary total depth is 4640 ft. The well also recovered good shows of oil and gas in the Cherokee Sand at 4428 ft., but the pay remains untested behind pipe. The new oil field has been named the "Norman Northwest" field. It is located about three miles north and east of the town of Achilles, Kansas. (ref: API 15-153-21254)
6. **Palomino Petroleum, Inc.**, Wichita, KS, has successfully expanded Mississippian oil production over one-quarter mile to the west of the Dex Southwest field in Ness County. The field step-out well, #3 Dinges Trust, was drilled by Murfin Drilling's Rig #102 to a total depth of 4490 ft. at site located in approximately SW SE NE SE, section 14- T18s- R25W. Production began on February 4, 2021. Completion details remain confidential at this time. Field area lies about two and one-half miles north of the city of Laird, Kansas. Stewart Producers discovered the Dex Southwest oil field in May, 2017. The field has produced nearly 14,000 bbls of oil from two wells on the Dinges Trust Lease in the south-half of section 13- T18s- R25W. Production depth is from 4336 to 4369 ft. (ref: API 15-135-26096)

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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

**CHANGE SERVICE REQUESTED**

KGS BULLETIN  
 July - August 2021

**July 2021**

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

**August 2021**

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	19	20	21
22	23	24	25	26	27	28
29	30	31				