



Established 1925

KANSAS GEOLOGICAL SOCIETY

# BULLETIN

Volume 100 Number 1

January - February 2025

## IN THIS ISSUE

**Short Article on Iceland** **page 11**  
**(text and photo from Pingvellir Park website)**  
**Inspired by Larry and Jenny Friend's Iceland Visit**



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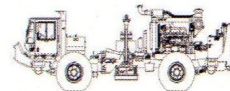
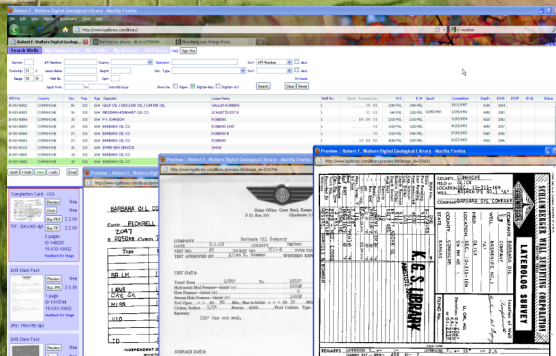
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**Land Exposure of Mid-Atlantic Ridge Showing the Separation  
Between the North American and Eurasian Plates  
Pingvellir, Iceland  
Photo by Larry Friend**

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**

- January 8, 2025      Dan Arthur - "Permanent Plugging and Site Restoration of Orphan, Idle, and Marginal Wells for Carbon Credits"
- January 22, 2025      Christopher Smith - "Subsurface Geochemical Adventures in Kearny County - Using Subsurface Volatiles Extracted from Fresh and Legacy Cuttings for Oil and Gas Exploration, Carbon Capture Storage Site Assessments, and Evaluating Field Pressure Depletion"

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

***<http://www.kgslibrary.com/techtalks.cfm>***

***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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<u>Future Plans</u>	
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<u>Nomenclature</u>	John H. Morrison, III
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## A.A.P.G. DELEGATES

Dennis Hedke	Wesley Hansen
2025	2025

The KGS *Bulletin* is published bi-monthly by the Kansas Geological Society, with offices at 1704 S. Baehr, Wichita, Kansas 67209 Copyright 2024, The Kansas Geological Society. The purpose of the *Bulletin* is to keep members informed of the activities of the Society and to encourage the exchange and dissemination of technical information related to the Geological profession. Subscription to the *Bulletin* is by membership in the Kansas Geological Society. Limited permission is hereby given by the KGS to photocopy any material appearing in the KGS *BULLETIN* for the non-commercial purpose of scientific or educational advancement. The KGS, a scientific society, neither adopts nor supports positions of advocacy, we provide this and other forums for the presentation of diverse opinions and positions. Opinions presented in these publications do not reflect official positions of the Society.



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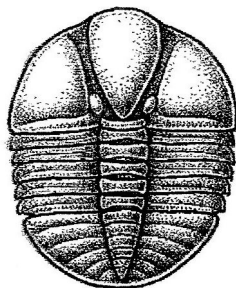
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### ***Kansas Geological Society (KGS) Medallion for Scientific Distinction and Excellence***

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

**NAPE 2025**  
**February 1, 2025**  
**Houston, TX**

**2025 SWS AAPG**  
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## **ADVERTISER'S DIRECTORY**

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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





# Rift between North American and Eurasian Plates

The name Þingvellir literally means “Assembly Plains,” and the place symbolizes the history of Iceland. The Alþingi, or Iceland’s parliament, was founded there as early as 930, making it the oldest operating parliament globally. The parliament continued to convene at the fields of river Öxará for 868 years or until 1798. Therefore, many significant events of Iceland’s history have taken place there, and Icelanders consider it the nation’s birthplace.

## **Nature - torn apart by tectonic forces**

The magical landscapes at Þingvellir are formed in the unique geographical setting of a rift valley in the divide between the North-American and Eurasian continental plates. The lava fields at Þingvellir are torn apart by tectonic forces, leaving admirable gorges and fissures. The most impressive of them, Almannagjá, is the focal point of the national park. A hiking path leads through the enormous cleft to the “law rock” and Öxará river, enveloped by stunning walls of basalt rocks.

The rift valley is partly filled with groundwater and carries Iceland’s largest natural lake Þingvallavatn. The lake hosts a unique ecosystem where four distinct varieties of Arctic char have developed since the end of the last Ice Age.

The beautiful spring river Öxará flows partly in the Almannagjá gorge on its way to the lake, producing a stunning waterfall where it enters. Some fissures are partially submerged with groundwater, and the crystal-clear water leaves scuba divers in Silfra with the feeling of hanging in the air. The unique experience has put the Silfra fissure on top 10 lists of diving sites in the world.



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

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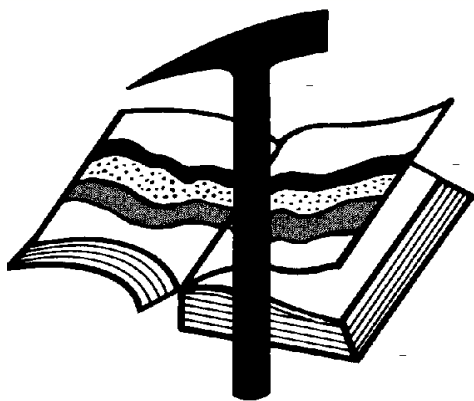
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### **KGS members please check your files**

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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## GOALS:

- 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***

### **Spring 2025 KGF Scholarship Recipients**

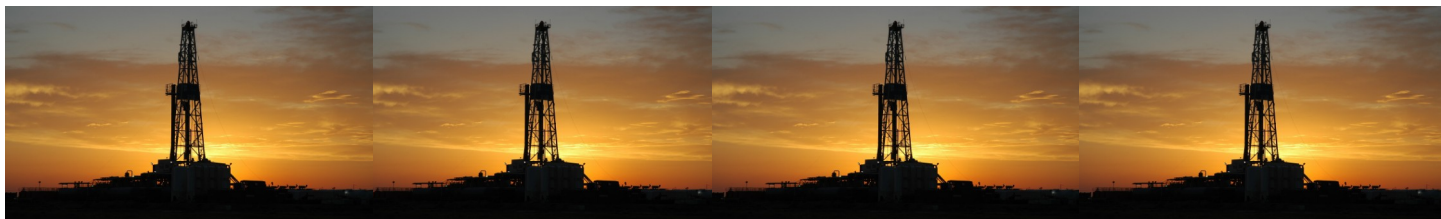
<b>Name</b>	<b>University</b>	<b>Scholarship</b>	<b>Amount</b>
Willa Kelpé	University of Kansas	KGF Scholarship	\$1000.00
Westin Scott	University of Kansas	KGF Scholarship	\$1000.00
Eliot Manning	University of Kansas	KGF Scholarship	\$1000.00
Alexi Sommerville	University of Kansas	KGF Scholarship	\$1000.00

#### **KGF Grants**

**Sarah Lamm, PhD candidate at KU**

**\$3500.00 for Rocks and Rockets Event in Colby**

**August 2025**



# ***Kansas Geological Foundation News***

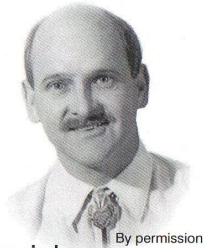
Students: The KGF awards scholarships each December and May. Check with your department chairs for applications. You must submit complete applications by the deadline.

**Scholarship Applications for the Fall semester will be due by May 1, 2025.**

**Scholarship Applications for Spring semester will be due by December 1, 2025**

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

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



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.**

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**Nick Hixon (25) Kent Crisler**

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**Scholarships - Nick Hixson**

**Grants - Dennis Hedke**

**Publicity - Wes Hansen**

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John Brewer	10/89	1990
George Bruce	08/89	1990
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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
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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
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Vernon Hess	06/95	1995
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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. Schaaake	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
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
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	6/20	2020
Thornton E. Anderson	7/20	2020
Don Shawver	12/16	2020
Phillip Hart	12/20	2021
Timothy Lauer	05/21	2021
Fredrick Stump	09/21	2021
Larry J. Richardson	10/21	2021
Robert Cowdery	12/23	2023

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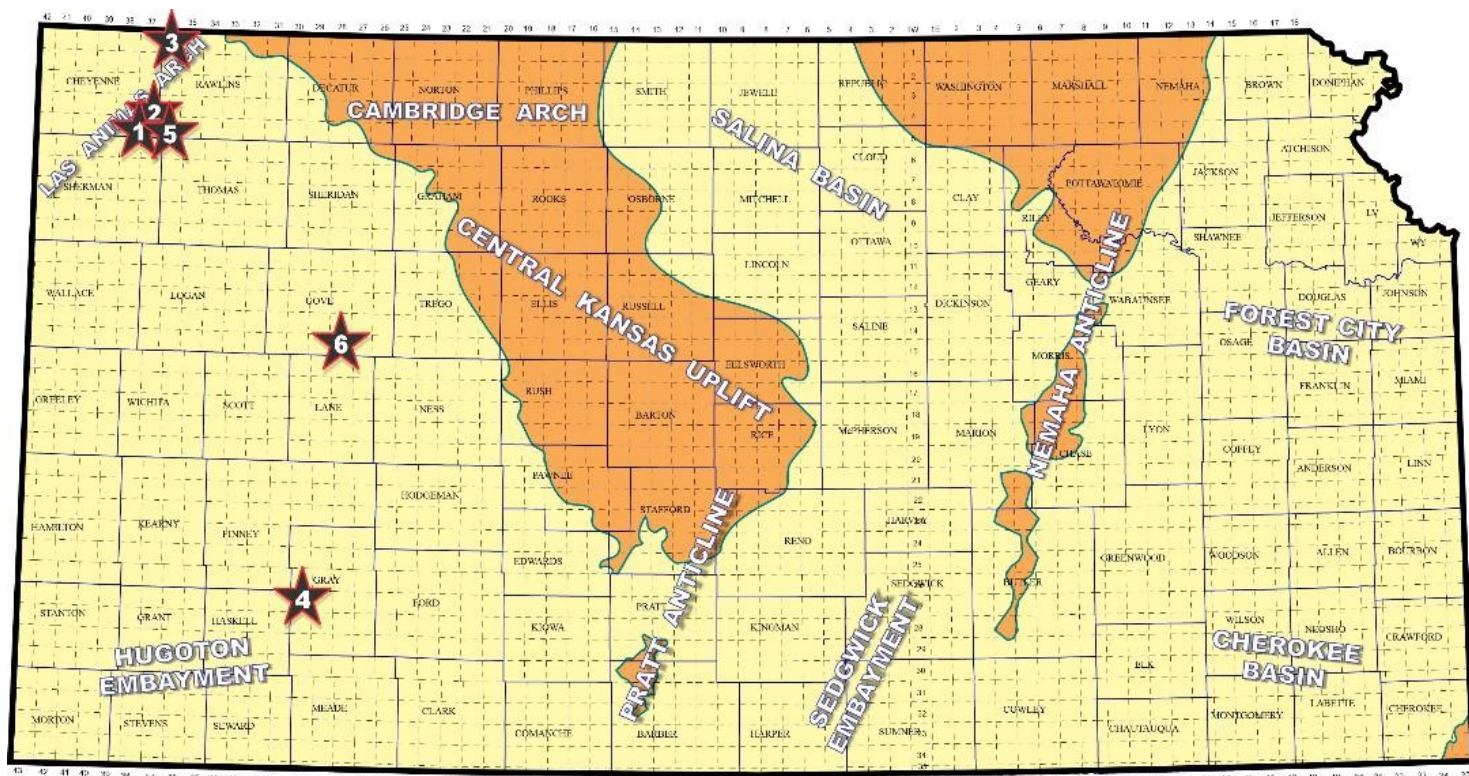
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Contact Robbie Gries, co-Chair VGP committee, Denver, if you are interested in learning more. [rrgries@aol.com](mailto:rrgries@aol.com)

# Exploration Highlights

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



Map courtesy of Marc Summervill

(Feb. 6, 2025) - Darrah Oil Company LLC, Wichita (KS), has two new oil discoveries in Cheyenne County. Both new pools are located about seven to eight miles southeast of town of Bird City in Northwest Kansas. This is the second and third new oil reservoirs that Darrah Oil has discovered in Cheyenne County since exploration in the area began in 2023.

1. In section 7- T5s- R37W, the #1-7 Berens was drilled to a total depth of 5,050 ft at site in approximately SW SE SE. The well is producing oil from the Pawnee Limestone formation in the Marmaton Group. Exact details on daily output and pay depth is confidential. The new "Berens" pool discovery lies one mile west of Darrah's first discovery in the county in the Deeds Northwest pool in section 8- T5s- R37W. The pool has produced nearly 44,000 BO over the past 20 months with production coming from two wells on the Keltz lease. (Ref: API 15-023-21655)

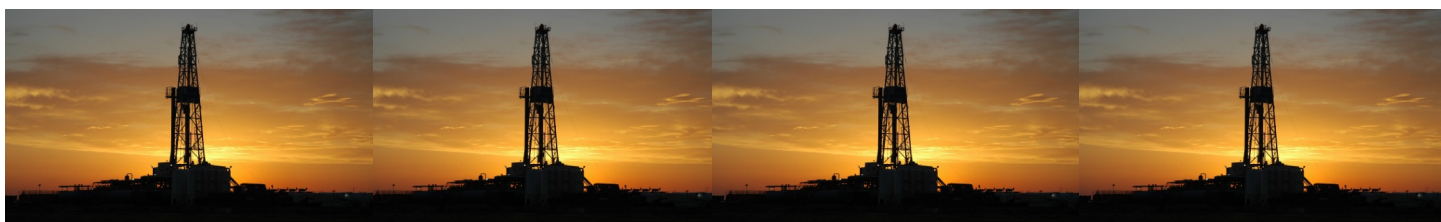
2. In section 5- T5s- R37W, the Darrah's #1-5 Wright Farms Trust in producing crude from the Marmaton (Pawnee) formation, about one and one quarter miles northwest of the Deed Northwest pool. The well was drilled to a total depth around 5,050 ft by Murfin Drilling tools. Primary zones of interest were the Lansing-Kansas City and Marmaton Groups. Completion details are confidential. The new field has been named the "Wright" pool. (Ref: API 15-023-21659)

3. (Jan. 23, 2025) - Meridian Energy, Inc., of Franktown (CO), has discovered Lansing-Kansas City oil reserves in Rawlins County at their #1A Wilkinson wildcat well in approximately NE NE NW in section 33-1s-R36W. The well opens the "Cinnamon North" oil field nearly one mile northwest of LKC oil production in the Cinnamon pool, which was established in 2015 by Murfin Drilling Company. Murfin's #1-33 Cheryl, SE/4 of section 33, produced 45 BOPD from the Lansing J Zone at a depth of 4416 to 4420 ft. No completion details have been released by Meridian Energy on their new discovery. The #1A Wilkinson was drilled to a total depth of 4,507 ft by Duke Drilling tools. Field area lies ten miles north of McDaniels, Kansas. (Ref: API 15-153-21339)

4. Raymond Oil Company, Wichita (KS), has discovered new oil reserves within the Atoka formation at the #12-1 Marilee Yost, spotted in approximately SE SW SE SE in section 12- T27s- R30W, in Gray county. The wildcat well was drilled to a total depth in Mississippian at 5,315 ft with L. D. Drilling and Exploration drilling tools. The well opens a new "Sand Prairie" oil field about two and one-half miles north of the "Ginest" pool (2012, Mississippian oil), and seven miles north and six miles west of the town of Montezuma, Kansas. Completion details remain confidential at this time. (Ref: API 15-069-20519)

5. Downing - Nelson Oil Company, Inc., Hays (KS), has stepped nearly three-quarter mile northwest of producing wells in the "K-S" oil field to establish the new "K-S NW" pool in Rawlins County. The #1-8 Scott, SE/4 of section 8- T5s- R36W, is producing an undisclosed amount of crude oil from the Cherokee formation. The well is drilled to a total depth of 4,911 ft, about eleven miles south of McDonald, KS. Completion details are confidential. Downing - Nelson has produced almost 25,000 BO from three wells in the "K-S" field which they discovered in 2021 in section 16- T05s- R36W. Production comes from the Cherokee Limestone (2021) and the Marmaton Altamont 'B' (2023) formations. (Ref: API 15-153-21334)

6. M G Oil, Inc., Russell (KS), is producing oil from the Lansing-Kansas City 'E' formation at the #2-19 Coberly in Gove County. Spotted in the SE/4 of section 19- T15s- R28W, the well opens a new "Ziegenbalg West" pool approximately eight miles north and one mile west of Shields, KS. Duke Drilling tools bottomed the well around 4,300 ft. Completion details are confidential. The field area is situated nearly one mile north-west of established production in the "Ziegenbalg Southwest" pool which has produced oil from the LKC since July 2021. (Ref: API 15-063-22453)





## January 2025

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

## February 2025

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