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KANSAS GEOLOGICAL SOCIETY

BULLETIN

Volume 87 Number 5

September — October 2012

IN THIS ISSUE

*Memorial:
Dr. James R. Underwood*

**Photos of WSU Geology
Field Trip to
British Isles**



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ON THE COVER:

Correction: The last issue of the Bulletin listed the memorial for Dr. Underwood and it was inadvertently left out of the issue. Please find that memorial on page 20 of this issue.

Front Cover Photo courtesy of Kyle Day: "Where continents collide": This picture is from the Lulworth Cove, on the Jurassic coast of Southern England. Exposed rocks include Upper Jurassic to Upper Cretaceous sediments. This picture shows vertical standing thin bedded limestones and shales from the Purbeck Fm. The sea floor south of the cove has active petroleum exploration along with oil-sands that occur nearby. A famous 'fossil forest' is located east of the cove, which includes molds of fossil trees from the Jurassic-Cretaceous boundary.

CALL FOR PAPERS

The Kansas Geological Society Bulletin, which is published bimonthly both in hard-copy and 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 printed length of papers is 5 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 Rebecca Radford, 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

Sept. 4—Austin Holland, “*Recent Oklahoma Earthquakes: The Perfect Storm*”

Sept. 18—Bruce Warren, Crown Geochemistry, “*Comparing Mass Spectrometer Derived Advanced Gas Analysis for Miss Carbonates Laterals to Shale Laterals*”

Sept. 25—Ray Sorenson, “*Cherry Grove Field, Warren County, PA*”

Oct. 16—Pamela Jay, Baker Hughes, “*Unconventional Asset Life Cycle—Modeling Impact on Economics and Environment*”

Oct. 23—Larry Skelton, “*History of Fracing*”

Oct. 30—Dr. James Puckette, OSU, “*Lithologic Controls of Pressure in Sedimentary Basins*”

Nov. 6—Neil Suneson— “*Arkoma Basin Hydrocarbon Exploration and Development—Past, Present, and Future*”

Nov. 20—Michael Pollok— “*My Odyssey Through The Mississippian Subcrops*”

Nov. 27—Charlie Smith, “*Comparison of Magnetic Resonance Permeability to Lab Permeability*”

Dec. 4—Greg Riepl, “*Cherokee Paleolithologies, Long Branch Field, Payne County, OK*”

Dec. 18—Dr. Lynn Watney, “*Preparations for small scale field testes at Wellington Field: CO2-EOR in Mississippian and carbon sequestration in the Arbuckle Group*”

Location for Technical Meetings

*All KGS technical presentations are held at 12:30 p.m. at the **Wichita Bar Association**, located at **225 N. Market**, ground floor conference room, unless otherwise noted.*

Note: For those geologists who need 30 points to renew their licenses, there will be a sign-in sheet



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President's Letter

Dear Members,

A couple of weeks ago, I attended the KGS Annual Picnic at All-Star Sports West. The food was great, as usual. For the first time in all the years that she has attended the Annual Picnic, my wife won a game of Bingo. When she won again a few games later, she remained silent, preferring that someone else who hadn't won yet could claim the prize. Several Geologists seated around us gently chastised her, informing her that, in our line of work, we take all the good fortune we can get!

My thanks go to Marjorie Noel for organizing the Annual Picnic and calling Bingo. I also extend my thanks to all the others who helped as well as to those who contributed money for the event. The Annual Picnic is a perennial favorite of many of our members and their families.

I offer my congratulations and thanks to Lee Huff as well as to the rest of the staff at the Kansas Geological Society who have made the release of the updated membership directory possible. Our Society's membership has grown and our membership profile has changed significantly since the last release of our directory in 2006, so this current version is greatly needed and will be a real asset for us. Many KGS members now belong to both our long-standing hard-copy library and our Robert F. Walters Digital Library. Our excellent digital library has become a major contributor to the growth of our membership as well as to the profits experienced recently by the Kansas Geological Library. I know that this directory will be very valuable to all. Please check with Rebecca Radford, KGS Library Manager, regarding accessing the new directory.

My continued thanks to Bob Cowdery for the full schedule of Technical Talks he has lined up for us through the end of the year and beyond. As we all know, Bob works untiringly to assure that we have the finest line-up of speakers possible. We are truly blessed to have such a dedicated individual in our Society!

Rebecca plans to take the KGS booth for exhibit at the AAPG Rocky Mountain Section Meeting in Grand Junction, Colorado in September. The KGS Annual Fishing Tournament will be held at Pratt Lake on September 21.

Coming up in October are the AAPG Mid-Continent Section Biennial Field Conference in Amarillo, Texas (October 5-7), the KGS Annual Shooting Tournament (October 12) and the bus trip to the Kansas Geological Survey in Lawrence to view cores of the Arbuckle and receive presentations (October 26).

It is going to be an exciting, eventful autumn for KGS members and our associates!

Respectfully,

Kent Scribner





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From The Manager

Dear Members,

Finally we got some cooler temperatures! I am sure everyone is enjoying this change in weather. Your Society and library continue to be very busy with sales and new memberships coming in. The Foundation's integration project has been moving along very well this summer. We hired extra help to process all the new data we are finding in the donated material from the basement and they have processed an incredible amount of paper this summer. We hope to be able to keep more than one student employed this fall to keep this project moving forward.

We had a good turnout for the **KGS annual picnic**. The weather was hot but we didn't get a thunderstorm this year like we usually do. Thank you goes out to **Marj Noel** for chairing the picnic once again.

Our next event is the **KGS Annual Fishing Tournament** which will be Friday, September 21st. Something new this year....if you are a member of the Society or you help sponsor the event, you can fish for free! All others pay \$20.00 to fish so it's a good deal either way. The idea is to get some more of you out there to enjoy a day of fishing. Pratt County lake is the venue and this year, you will need to bring your own lunch but beverages will be provided. Please see more information on the inserted flyer or look at the flyer on-line at www.kgslibrary.com on the Events Tab or there is also a link on the Home Page.

We also will have our final event of the year, the **KGS Annual Sporting Clays tournament** on Friday, October 12th. Back at Lynnwood just east of Augusta. We also have the flyer in this issue and it will be posted on the web page as well.

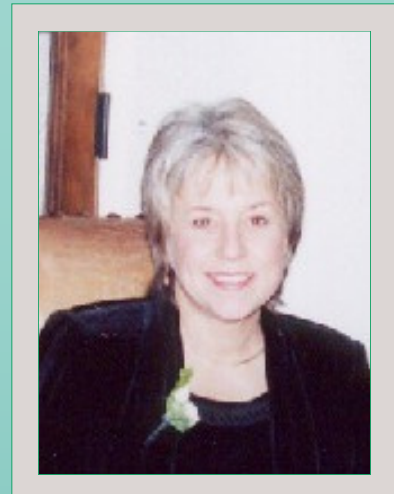
Also, don't forget about the **AAPG Mid-Continent Field Conference in Palo Duro Canyon, Texas** coming up on October 5, 6, & 7.

On **October 26th**, that's a Friday, the Society is sponsoring a bus trip to Lawrence to study and hear talks on the Wellington cores. See page 21 for more information on this and even more info is available on our web page.

Respectfully submitted,

Rebecca Radford

Manager



Manger's Note: One of our members, Mr. Robert Branson, was kind enough to mail me his answer to the question I put forth last issue regarding the photo on the front cover. "I think Mr. Huff's photograph is of metamorphic rocks at the Insubric Line, that fault trace which is the suture of African (Adriatic) plate onto the European plate." Thank you Mr. Branson!



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ON THE ROCKS: PALO DURO CANYON

INAUGURAL AAPG MID-CONTINENT SECTION FIELD CONFERENCE
HOSTED BY THE PANHANDLE GEOLOGICAL SOCIETY IN AMARILLO, TEXAS

On behalf of the AAPG Mid-Continent Section and the Panhandle Geological Society, I invite you to join us in Amarillo, Texas for "ON THE ROCKS—PALO DURO CANYON" on October 5-7, 2012. Showcasing this three-day field conference will be a hiking tour of one of the most spectacular geologic laboratories in Texas, where you will explore the Permo-Triassic fluvial depositional sequences of Palo Duro Canyon, consisting of colorful sandstones, shales, and evaporites. Also featured will be a short course, technical sessions, and a beautiful sunset dinner in the Canyon. Highlighting the conference will be speakers and field trip leaders that include prominent AAPG members Ted Beaumont, Lee Krystinik, and George Asquith. An optional tour of the Panhandle-Plains Historical Museum in Canyon, Texas will wrap up the conference on Sunday morning and provide you the opportunity to see a renowned exhibit of the historical oil and gas industry in the Texas Panhandle. We hope you can join us!

John V. Miese, General Chairman

FIELD CONFERENCE SCHEDULE

FRIDAY OCTOBER 5TH

AFTERNOON (starting at 2:00 pm)

- Optional Short Course – "Wireline Logging – Yesterday and Today"
Bob Mitchell and ThruBit Logging
- Poster Session and Icebreaker

EVENING

- Technical Session – Featuring Ted Beaumont and Lee Krystinik

SATURDAY OCTOBER 6TH

ALL DAY

- Palo Duro Canyon Hiking Field Trips
- Sunset Dinner at Palo Duro Canyon Pavilion
- Historic Panhandle Oil Field Film – Presented by Panhandle Plains Historical Museum

SUNDAY OCTOBER 7TH

MORNING

- Optional Tour of Panhandle Plains Historical Museum

REGISTRATION INCLUDES

- Field Conference Guide Book Including Road Log and Hiking Trip Logs
- USB Drive of Field Guide Book with several geologic papers included as a bonus
- Optional Short Course
- Icebreaker
- Lunch and BBQ Dinner in Palo Duro Canyon
- Transportation to and from Palo Duro Canyon

COMPLETE GUEST/SPOUSE ACTIVITIES WILL BE OFFERED AS WELL!

- Tour of the American Quarter Horse Museum
- Lunch on Historic Route 66 and Antique Shopping
- Cadillac Ranch
- Driving Tour Through Palo Duro Canyon
- Sunset Dinner with Field Conference Participants at Palo Duro Canyon

Continually updated information at www.mcsfieldconference.com,
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ON THE ROCKS: PALO DURO CANYON

AAPG Mid-Continent Section

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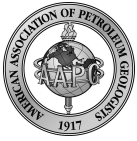
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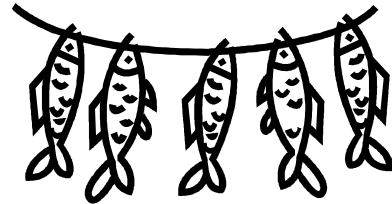
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Upcoming KGS Events

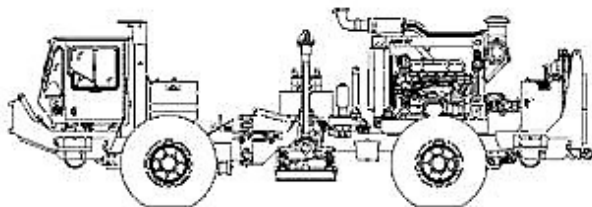
Friday, September 21st
KGS Fishing Tournament
Pratt County Lake

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Friday, October 12th
KGS Shooting Tournament
Lynbrooke Sporting Clays Range

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Kansas Geological Society Board Minutes

July Board Meeting

The Kansas Geological Society voted to not meet in July. They will resume meeting in August. The membership for the Society is 739 members, paper library membership is 251, and Walters Digital Library membership is 235. In the month of July, the Society had income of \$69,742.75 with expense of \$52,999.01 leaving a net profit of \$16,743.74 .

August Board Meeting

The monthly meeting of the Board of Directors of the Kansas Geological Society was held on August 14, 2012, at the Wichita Petroleum Club.

Mr. Scribner called the meeting to order at 11:45 a.m. Mr. Scribner welcomed all Board members and gave a summary of upcoming Kansas Geological Society events and activities.

SOCIETY ACTIVITIES/EVENTS/UPDATES

- A. **August 19-21- KIOGA Annual Meeting**
- B. **Sep. 4 - Tech Talk** – Austin Holland, “Recent Oklahoma Earthquakes: The perfect Storm”
- C. **Sep. 9-11 – Rocky Mountain Section Meeting** – Rebecca Takes Booth
- D. **Sep. 18 - Tech Talk** – Bruce Warren, Crown Geochemistry - “Comparing Mass Spectrometer Derived Advanced Gas Analysis for Miss Carbonates Laterals to Shale Laterals”
- E. **Sep. 21 – KGS Fishing Tournament at Pratt County Lake**

IV. **APPROVAL OF MINUTES- The May 8, 2012 Minutes were not presented they will be reviewed and approved at the next meeting.**

V. FINANCIAL REPORT/MANAGERS REPORT

- A. **Treasurer’s Report**- Mrs. Radford presented us with the Treasurer’s report for July 2012. Mrs. Radford noted two CD’s were moved to Intrust bank from Securities America and First Choice Credit Union, respectively, along with a CD which matured at Relianz Bank. Those funds purchased a CD at Mid America Credit Union July 20, 2012. A CD matured June 5, 2012 at Relianz Bank and was renewed for an additional 24 months. The next CD to mature will be December 17, 2012 at Rose Hill State Bank.
- B. **Manager’s Report**- Mrs. Radford presented the Manager’s Report for July 2012. Monthly income was \$69,742.75 and expenses were \$52,999.01, making the profit \$16,743.74 for the month. The reports show 739 Society members, 251 Library members and 235 Walters Digital Library members.

VI. OLD BUSINESS

- A. **New Membership Directory**– it will be available electronically and in paper format. Thanks to Lee Huff for his dedication to complete this task.

VIII. NEW BUSINESS

- A. **2011 Financial Audit**– Mr. Joe Walsh reported on the results of the 2011 Financial Audit. The results were well received. The Library is profitable, which is a barometer of the oil industry activity.
- B. **Fall Geofest** – October 26, bus trip to Lawrence, Kansas for talks and to observe Arbuckle cores.
- C. **KGS Sporting Clays Tournament** – October 12th.
- D. **Field Conference** – October 5-7, Amarillo, Texas

VIII. **ADJOURNMENT- Mr. Scribner adjourned the meeting at approximately 1:20 p.m.**

Respectfully submitted,
Robert P. Bayer, II
Secretary

Dr. Parcell and a few students went to England and Wales this spring on a WSU Geology Field Trip. The following photos are some of the highlights of what they saw.



Durdle Door, England, United Kingdom. This structure has been seen in more than one movie.



White chalk cliffs



The Kimbridge Clay—Source rock and site of “burning cliffs”.



Rather large Ammonite

Right: Depositional topography from the Mississippian (lower carboniferous). Organic build-ups (reefs) with high relief. →



Photos throughout the Bulletin are courtesy of Kyle Day, Joe McGrath, and Anna Smith

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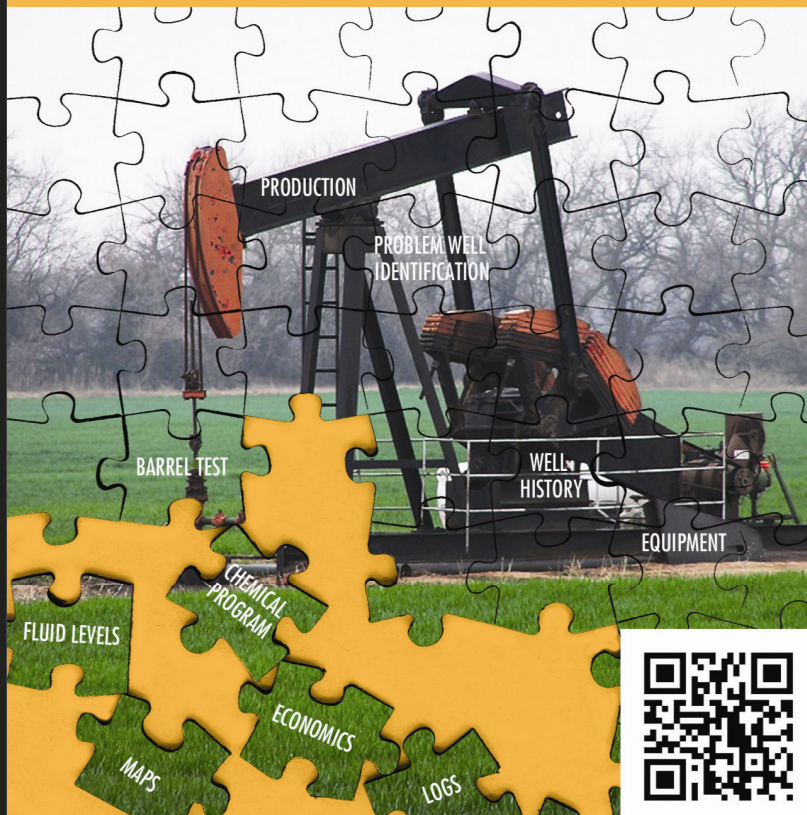
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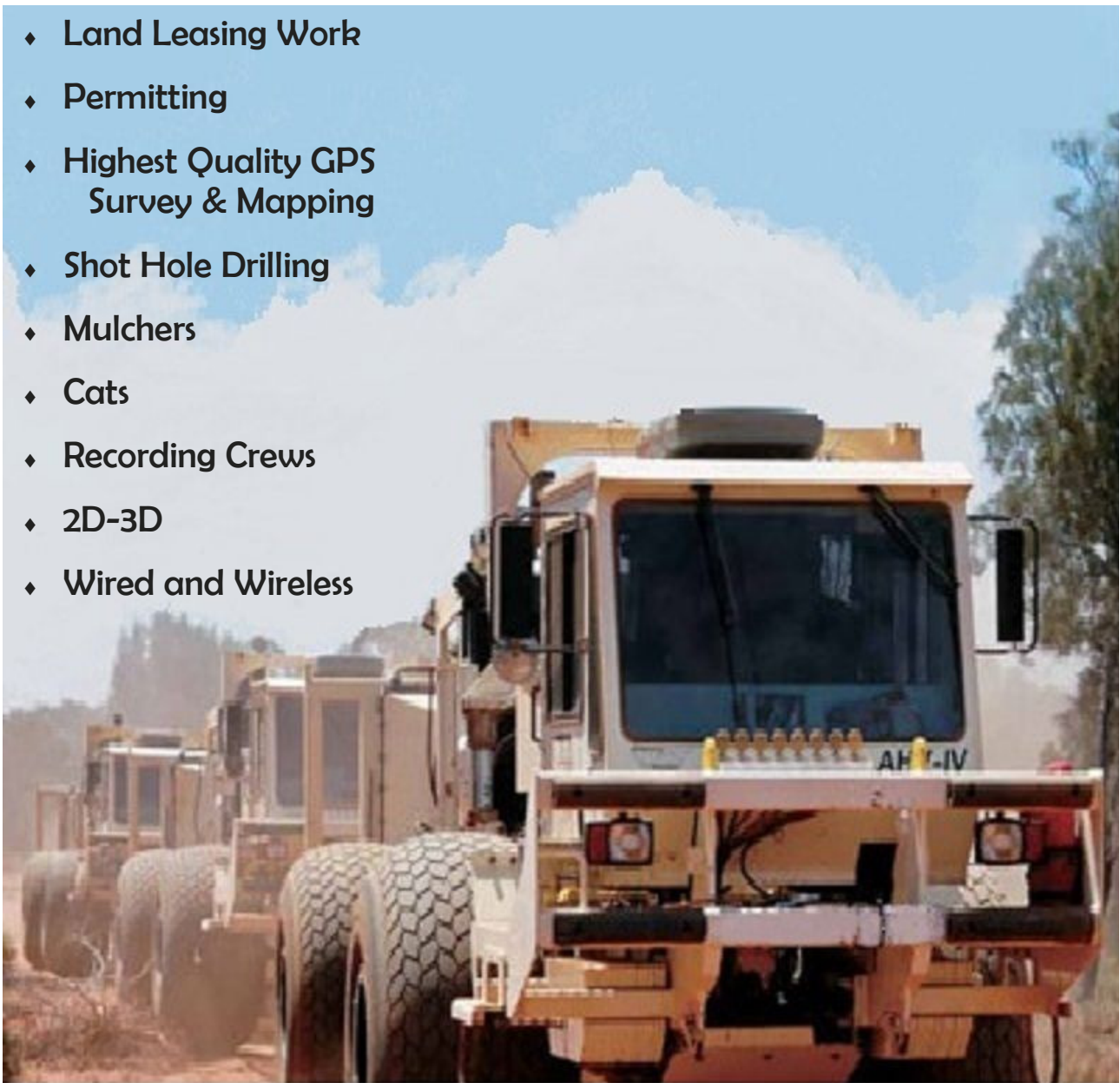
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Above right: tunnel carved into the sandstone at Nottingham Castle.



Below left: close up of the crossbedding in the sandstone



Robin Hood



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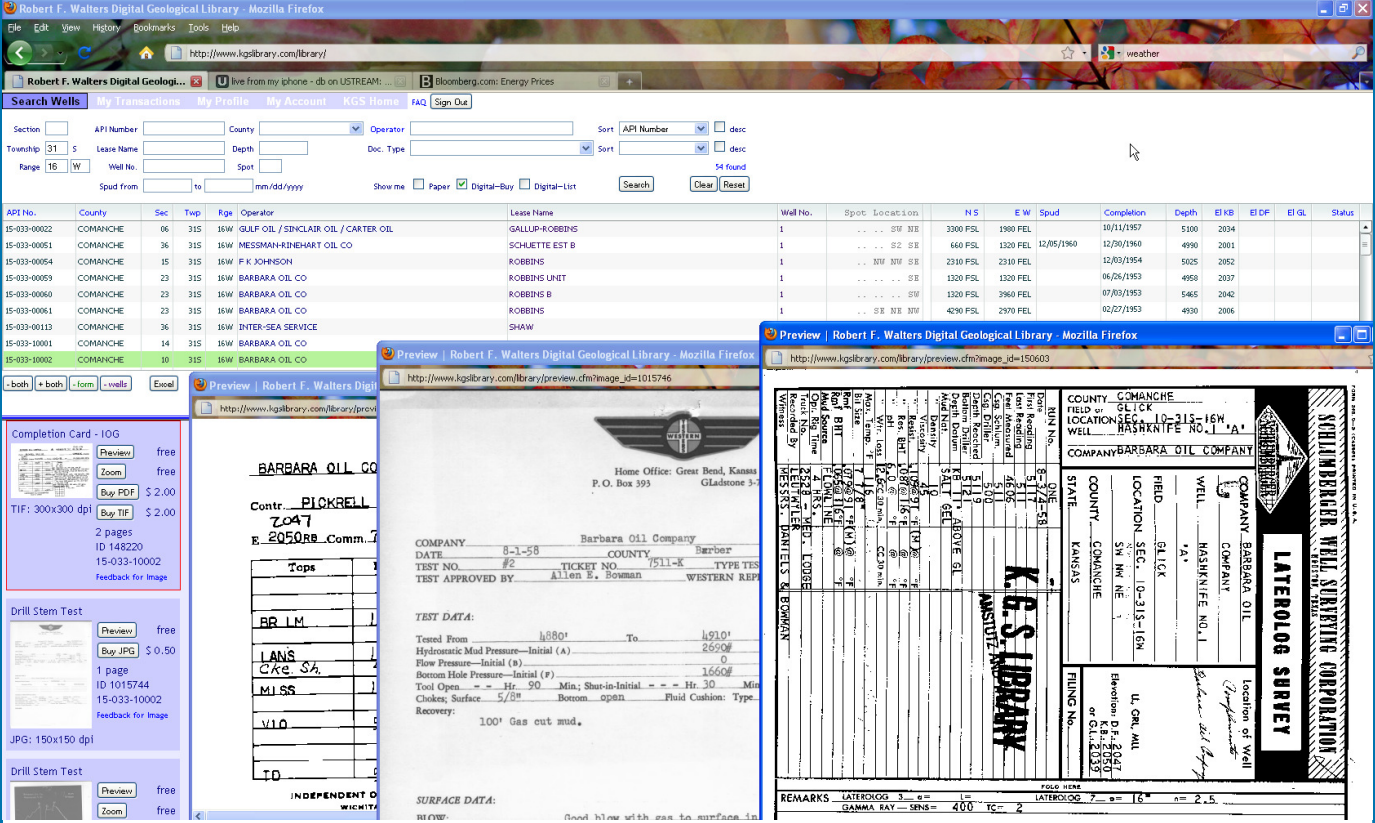


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Township: 31 S Lease Name: [] Depth: [] Doc. Type: [] Sort: [] desc
Range: 16 W Well No: [] Spot: [] 54 found
Spud from: [] to: [] mm/dd/yyyy Show me Paper Digital-Buy Digital-List Search Clear Reset

API No.	County	Sec	Twp	Rge	Operator	Lease Name	Well No.	Spot	Location	N S	E W	Spud	Completion	Depth	El KB	El DF	El GL	Status
15-033-00022	COMANCHE	06	31S	16W	GULF OIL / SINCLAIR OIL / CARTER OIL	GALLUP-ROBBINS	1	...	S17 N16	3300 FSL	1980 FEL	10/11/1957	5100	2034				
15-033-00051	COMANCHE	36	31S	16W	MESSMAN-KINEHART OIL CO	SCHUETTE EST B	1	...	S2 SE	660 FSL	1320 FEL	12/05/1960	12/05/1960	4990	2001			
15-033-00054	COMANCHE	15	31S	16W	F. K. JOHNSON	ROBBINS	1	...	NW N19 SE	2310 FSL	2310 FEL	12/03/1954	5025	2052				
15-033-00059	COMANCHE	23	31S	16W	BARBARA OIL CO	ROBBINS UNIT	1	...	S	1320 FSL	1320 FEL	06/28/1953	4959	2037				
15-033-00060	COMANCHE	23	31S	16W	BARBARA OIL CO	ROBBINS B	1	...	S10	1320 FSL	3960 FEL	07/03/1953	5465	2042				
15-033-00061	COMANCHE	23	31S	16W	BARBARA OIL CO	ROBBINS	1	...	S18 N16 W10	4290 FSL	2970 FEL	02/27/1953	4930	2006				
15-033-00113	COMANCHE	36	31S	16W	INTER-SEA SERVICE	SHAW												
15-033-10001	COMANCHE	14	31S	16W	BARBARA OIL CO													
15-033-10002	COMANCHE	10	31S	16W	BARBARA OIL CO													

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Z-047
E. ZOSORE Comm. J

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CRE SA
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INDEPENDENT OIL

COMPANY: Barbara Oil Company
DATE: 8-1-58 COUNTY: Barber
TEST NO. #2 TICKET NO. 7511-K TYPE TES
TEST APPROVED BY: Allen E. Bowman WESTERN REP

TEST DATA:
Tered From: 4880' To: 4910'
Hydrostatic Mud Pressure—Initial (A): 2550#
Flow Pressure—Initial (B): 0
Bottom Hole Pressure—Initial (P): 1660#
Tool Open: -- Hr. 90 Min; Shut-in-Initial: -- Hr. 30 Min
Choke: Surface: 5/8" Bottom: open Fluid Cushion: Type:
Recovery: 100' Gas cut mud.

SURFACE DATA:
HOW: Good blow with gas to surface in

WELL LOG SHEET
COUNTY: COMANCHE
FIELD or BLOCK: 10-31S-16W
WELL: BASHKITE # NO. 1 "A"
COMPANY: BARBARA OIL COMPANY
WELL: BASHKITE NO. 1
LOCATION: SEC. 10-31S-16W
COUNTY: COMANCHE
STATE: KANSAS
FINING No. []
U. OF K. M.I.T.
Elevation D. 4027
of S. 4037

REMARKS: LATEROLOG 3 - 4" GAMMA RAY - SENS = 400 TC = 2 LATEROLOG 7 - 6" 16" a = 2.5

Memorial — Dr. James R. Underwood, Jr.

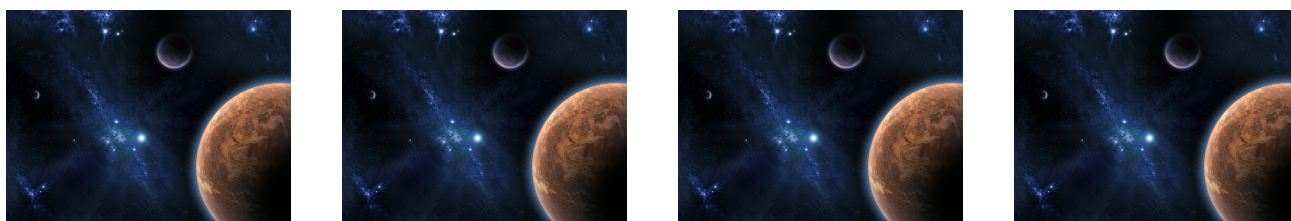
Dr. James Ross Underwood, Jr., beloved husband, father, grandfather, geologist, professor, and friend to many, passed away on May 16, 2012. He loved his family, his friends, his students, and all the wonders and mysteries of the earth and heavens. He devoted his professional life to sharing his knowledge of geology and space with others. In addition to his academic contributions, “Granddaddy” was a dignified, gentle giant who loved being a father and grandfather. He had many gifts, one of the greatest being his ability to make everyone to whom he spoke feel like the most important person in the room.

Jim was born May 15, 1927 in Austin, TX to James Ross and Marion Underwood and was raised in Corpus Christi. He joined the US Naval Reserve upon graduating high school in 1944 and served in the reserves during his tenure at Southwestern University in Georgetown, TX. He moved on to the University of Texas at Austin, where he was involved in many activities, serving as the Longhorn Band Drum Major and as a high jumper on the track team. He spent time in Korea with the Navy in the early 50’s before returning to UT to teach and continue his studies. He earned his PhD. in Geology from UT Austin in 1962.

Jim married Margaret Ann Sanderford on June 10, 1961. Jim’s teaching career took them on many adventures, where they made many lifelong friends. Jim taught at The University of Baghdad 1962-1965, The University of Florida 1965-1967, West Texas State University in Canyon TX 1967-1974 with a two year leave to teach at the University of Libya, Tripoli 1969-1971, and at Kansas State University in Manhattan KS 1977-1996. Jim also worked for NASA’s Planetary Geology and Geophysics Program beginning in 1972 until his retirement, and was among other things a member of the Viking Lander Imaging Team in 1976. Upon his retirement Jim and Margaret Ann moved to Austin, TX where they enjoyed close proximity to family, lifelong friends, and their deep Texas roots. Jim was a member of Covenant Presbyterian Church in Austin, and enjoyed many years of participation in LAMP (Learning Activities for Mature People) at the University of Texas.

Jim is survived by his wife of almost 51 years Margaret Ann Sanderford Underwood, their three daughters and their families: Marion Underwood and Andrew Liles and their children Louisa and Sophie; Ann (Andy) and Steve McDowell and their children Emory, Marigrace and Eliza; Beth and Bobby Patterson and their children Joe and Claudia.

A memorial service was held at Prestonwood Court Assisted Living Facility at 7001 West Plano Parkway, Plano, TX on Saturday May 26, 2012 at 10:00 officiated by Rev. Jim Bethell. In lieu of flowers, the family requests that donations be made to the Jim and Margaret Ann Underwood Petroleum Geology Lecture Series at Kansas State University (Dept. of Geology, KSU, 108 Thompson Hall, Manhattan KS 66506-3201, JR Underwood on memo line), Autism Speaks (www.autismspeaks.org), or VITAS Hospice (www.vitas.com).



New KGS Directory

Thanks to our summer employee, Lee Huff, we have a new membership directory for the Society.

We have put it on our web page and it will be accessible to members only.
It is a PDF file so you will need Adobe Reader to open it.
Look on the Home page for Membership Directory tab

If you are a member of the Walters Digital Library, you will be able to access the Directory once you have logged on. If you are not a WDL member, you will need to call the Society for a password in order to view the Directory. Printed copies will be available upon request.

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Friday, OCTOBER 26th, 2012

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The Society has reserved a bus for those wanting to travel from the Wichita area.

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William Smith, known as the father of English Geology, lived in

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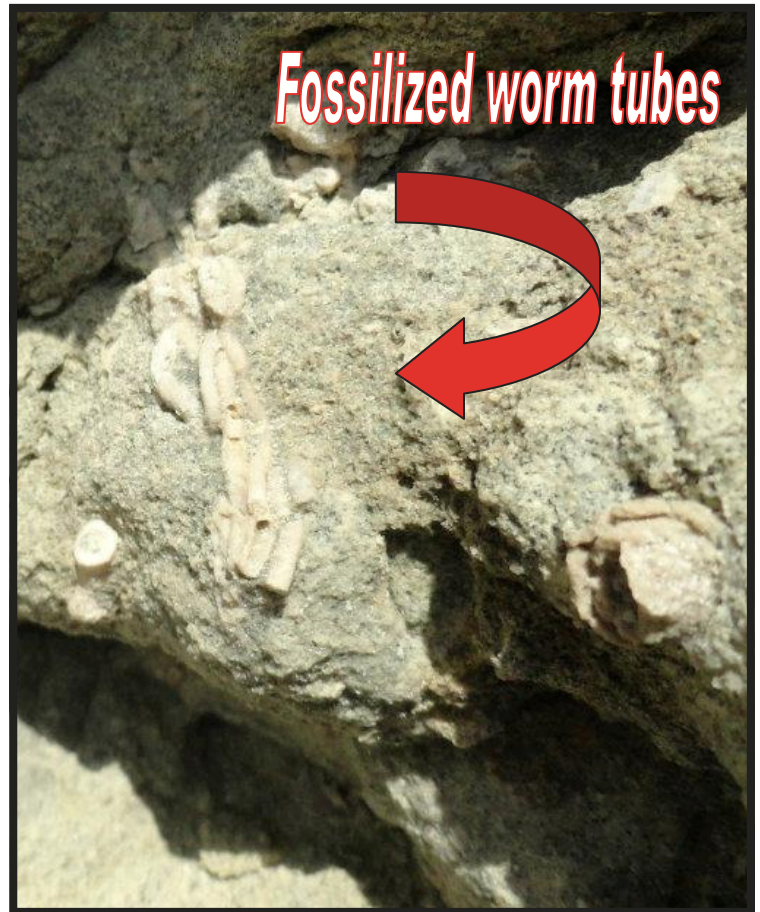
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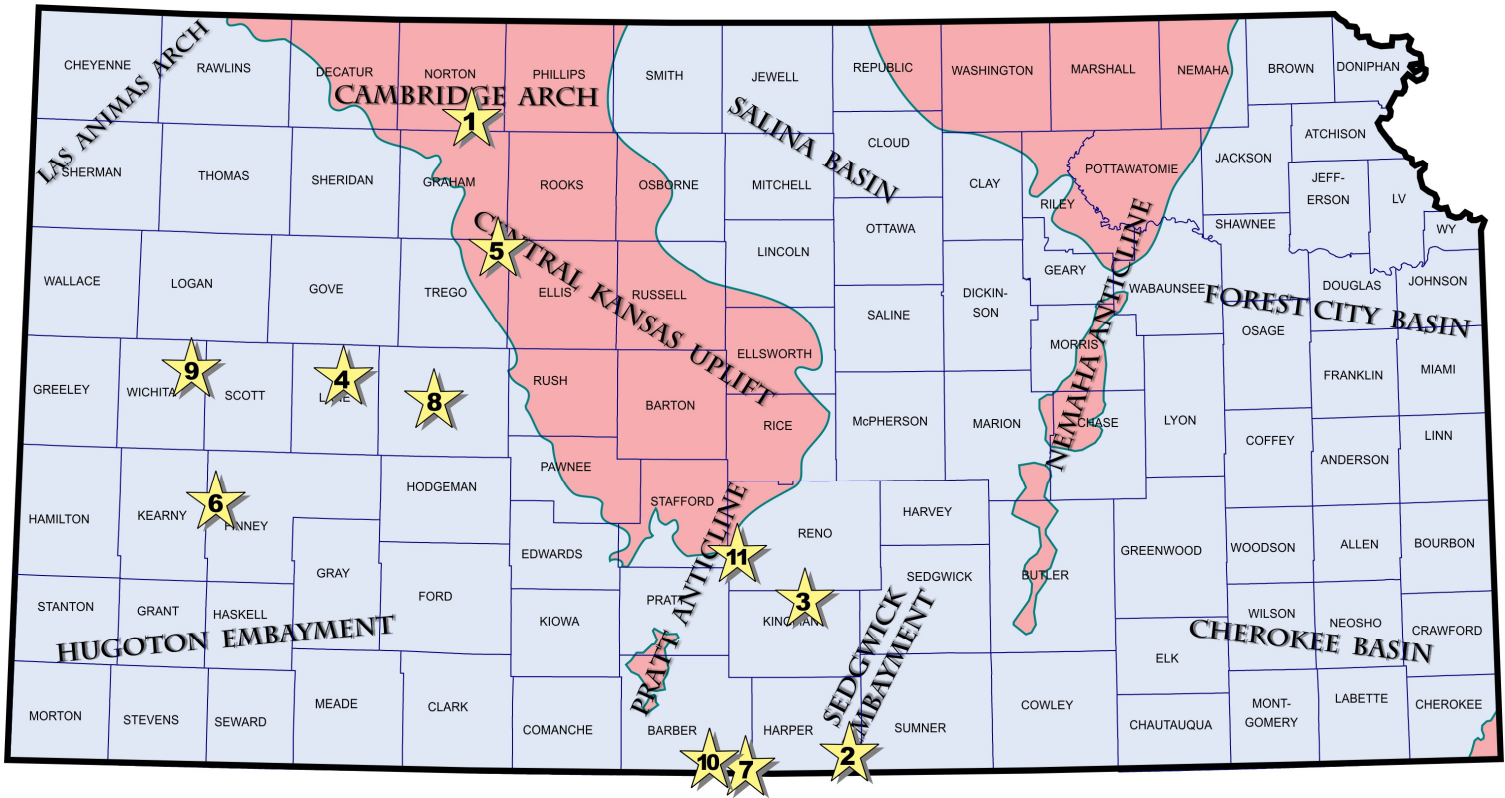
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Exploration Highlights

By John H. Morrison, III
Independent Oil & Gas



(1) Castle Resources, Inc., Schoenchen (KS), has a new oil discovery in Norton County, northwest Kansas. The #1 McKinley is producing crude at an undisclosed rate in approximately SE NE SW in section 24- T5s- R22W, about 2.5 miles south of the town of Densmore. Well site lies nearly 2 miles southwest of the active Densmore oil field which has given up oil from the Lansing-Kansas City and Reagan sand formations. Productive zone at Castle's new discovery is unknown. Tornado Drilling tools drilled the well to a total depth of around 3,800 ft. The new field has been named Densmore South

(2) Primexx Operating Corporation, Dallas (TX), is pumping 20 barrels of 40-degree gravity oil and 291 barrels of water per day at the #33-1 Greve in Harper County. The new Bluff City pool discovery is located in C SW SW of section 33- T34s- R5W. The wildcat well found the Mississippian formation to be productive from perforated depth between 5064 to 5092 ft. Rotary total depth is 5350 ft. The new reserves are located about one mile north of the Willtex Northwest oil field (Mississippian and Simpson Sand oil), or 2 miles south of Bluff City, Kansas. Formed in 2000, the company has expanded exploration into Kansas after devoting most of their efforts in north-central Oklahoma, Parker County, Texas and the Permian and Delaware Basins of Texas.

(3) American Energies Corporation, Wichita (KS), has successfully expanded Mississippian gas production southwest of the Kingman (Mississippian and Kinderhook) oil and gas field in Kingman County. The firm's #1-21 Schwartz / Stuart, spotted in approximately NE NE SW in section 21- T27s- R7W, has been completed as flowing 150 Mcf gas daily, no water. The 4247-ft deep well is producing gas from perforations placed from 3878 to

3883 ft. Field area is located about 1.5 miles north of Kingman, Kansas.

(4) Independent producer L. D. Drilling, Inc., Great Bend (KS), has discovered a new pay source while extending the recognized field boundary of the Cartmill Northwest in Lane County. Operator stepped-out nearly one-half mile northwest to drill and complete the #1-20 Meyer in approximately NE SW NE in section 20- T17s- R28W. The well is producing an unknown amount of oil from both Marmaton perforations from 4434 to 4440 ft and Cherokee from 4505 to 4528 ft overall. This is the confirmation well for the field which Palomino Petroleum established in 1985 with Lansing-Kansas City and Marmaton production. Duke Drilling bottomed the well at a rotary total depth of 4700 ft at site located 3.2 miles south of Shields, Kansas.

(5) Samuel Gary Jr. and Associates, Inc., Denver (CO), has extended the Shaw Creek Southeast pool boundary with the completion of an infield wildcat discovery located nearly 5/8-mile from closest producing well in the field. The #1-31 Shubert Etal, drilled to a total depth of 4081 ft in approximately NE SE NW in section 31- T11s- R21W, is producing an undisclosed amount of crude from the Lansing-Kansas City formations. This is the second LKC well completed in the field for Samuel Gary Jr. and sixth well in the field, which was established by Kansas Oil Corporation in 1978. Field is situated about 4 miles north and 2 miles east of Ogallah, Kansas.

(6) OXY USA, Houston (TX), has discovered Mississippian oil reserves at a 1/4-mile easterly step-out of the Sequoyah South field in Finney County, southwest Kansas. The #1 Garden City 'V', located in approximately NW NW SW in section 27- T23s- R34W, adds new pay source to the previously all Morrow oil field. The

4960-ft deep well is also giving up commingled Morrow oil. Completion details are confidential. This makes the third oil well completed in the Sequoyah South field by OXY USA, or its predecessor, Cities Service Oil, who discovered the field in 1982. OXY USA has two additional wells slated for development of the field. The field lies 2.5 miles north and 3 miles west of Holcomb, Kansas.

(7) Shell Gulf of Mexico, Houston (TX), has reported the completion of their second horizontal discovery well in Kansas at the #12-1H Schrock 3510, spotted in approximately NE NW SW in section 12- T35s- R10W, Barber County. The wildcat well is producing oil at an undisclosed rate from perforations made in liner from about 5359 to 9331 ft (measured depth). Vertical pay depth is between 4760 to 4847 ft. in the Mississippian Limestone. The lateral runs in a southerly direction that ended in the SW/4 of section 13. The new Gudeman Southeast pool opener lies nearly 1.25 miles southeast of SandRidge Exploration and Production's #1-11H William in the NW/4 of section 11, which has produced over 14,300 barrels of oil and 102,179 Mcf of natural gas in it's first four months on production according to KDOR records. The well is part of the Gudeman field. Shell's new discovery is located 5 miles south and 1.25 miles east of Hazelton, Kansas, near the Oklahoma border.

(8) Independent oil producer Robert F. Hembree, Ness City (KS), has completed the #7 Parker in Ness County for 125 barrels of oil per day, no water. The well was drilled to a total depth of 4273 ft by Pickrell Drilling tools in approximately SE SW NE in section 25-T18s- R24W, one-half mile west of the town of Ness City, Kansas. Thirty-eight degree gravity crude is being produced from the Mississippian formation from 4269 to 4273 ft. Production commenced on May 1, 2012.

(9) Wichita-based Ritchie Exploration, Inc. has discovered Lansing-Kansas City and Marmaton (Altamont and Pawnee) oil deposits at a remote wildcat site in Wichita County, northwest Kansas. The #1 Earl Smith, located in approximately NW SE SE of section 36-T17s- R35W, found the new reserves 1.5 miles southwest of newly established production in the Beaver Cliff (Marmaton) oil field that is located across the county line in Scott County. The Beaver Cliff field was discovered by Eagle Creek Corp. last year. Ritchie's new oil strike is producing an undisclosed amount of crude 4.25 miles northeast of the town of Marienthal, Kansas. Total depth was obtained at 5035 ft. The new field has not been named to date.

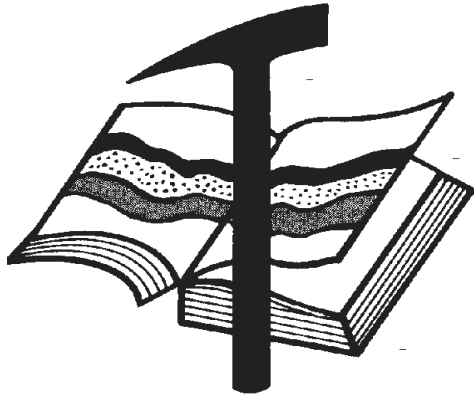
(10) Chieftain Oil Company, Inc., Kiowa (KS), has reported the completion of a Mississippian oil discovery about one mile southwest of the city of Kiowa, Kansas in Barber County. The firm's #1 Millie 'A' is producing an unknown amount of oil at site located in approximately SE SE NW of section 15- T35s- R11W. Fossil Drilling tools bottomed the wildcat well at a total depth is 5573 ft. New discovery was made 1.5 miles southwest of the Kiowa Townsite field which Chieftain discovered in October last year in the SE/4 of section 3. The field has given up three Mississippian producers, ranging from 5 to 6 barrels of oil plus 60 MCF gas daily, from depth around 4700 to 4800 ft. Chieftain's new field has been named Kiowa Townsite Southwest.

(11) Unit Petroleum Company, Tulsa (OK), has successfully completed their first horizontal discovery well in Reno County. The #1-21H Overall was drilled at surface location in approximately the SW SE SE SE of section 21- T25s- R10W with horizontal lateral extending in a northerly direction in the NE NE NE of the same section. Union Drilling tools drilled the well to a TMD of 8115 ft and TVD of 3962 ft at lateral end. Production liner was perforated selectively between 4638 to 8115 ft and vertical pay zone was between 3928 to 3962 ft. Completion details are being held confidential. The new discovery is situated 2.25 miles northwest of the Turon Northeast (Mississippian) oil field, or 5 miles west of Langdon, Kansas. The field has been named the Overall pool.



These two features are referred to as the "Lulworth Crumple" (on the left) and the "Stair Hole" (on the right). The Lulworth Crumple formed when the continents of Africa and Europe collided around 30 million years ago.

This is a better description from the Jurassic Coast website: "The sedimentary rocks around Lulworth were originally laid down horizontally, but around 30 million years ago a violent shockwave was produced when the Continents of Africa and Europe collided forming the Alps. The cross section of the Purbeck Beds found in the eastern corner of Stair Hole demonstrates the immense pressures that were at work, forming the "Lulworth Crumple". "



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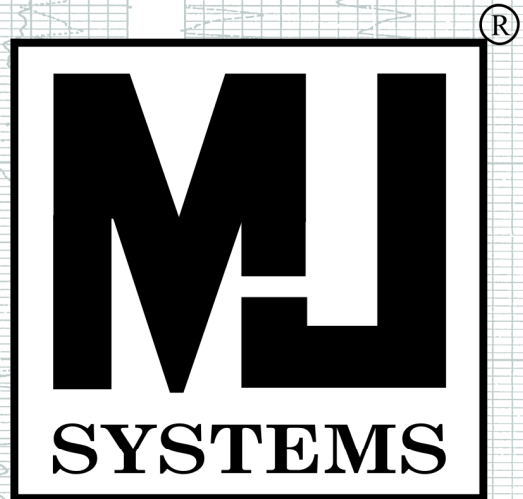
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Kirk Rundle Consulting
Bill Shepherd
Smith International
Stelbar Oil Corp.
Sunrise Oilfield Supply
Superior Well Services, Inc.
Trans Pacific Properties
Val Energy, Inc.
Varel International
Vess Oil Corp.
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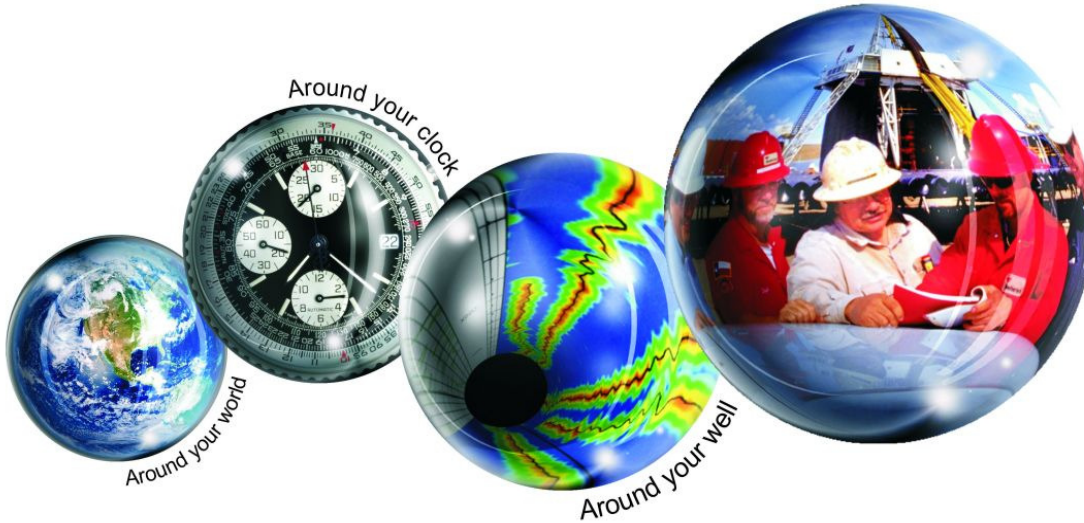
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Kansas Geological Foundation Memorials

KGS Member	Date Deceased	Memorial Established	KGS Member	Date Deceased	Memorial Established
Dan Bowles	09/89	1990	Jerold E. Jesperson	06/01	2001
John Brewer	10/89	1990	William A. Sladek	06/01	2001
George Bruce	08/89	1990	Harlan B. Dixon	06/01	2001
Robert Gebhart	01/90	1990	Edward B. Donnelly	08/01	2001
Ray Anderson, Jr.	11/90	1990	Richard P. Nixon	02/02	2002
Harold McNeil	03/91	1991	Robert W. Frensley	12/01	2002
Millard W. Smith	08/91	1991	Gerald W. Zorger	01/02	2002
Clinton Engstrand	09/91	1991	Don L. Calvin	03/02	2002
M.F. "Ted" Bear	10/91	1991	Claud Sheats	02/02	2002
James & Kathryn Gould	11/91	1991	Merle Britting	2002	2002
E. Gail Carpenter	06/91	1993	Harold Trapp	11/02	2002
Benton Brooks	09/92	1992	Donald M. Brown	11/02	2003
Robert C. Armstrong	01/93	1993	Elwyn Nagel	03/03	2003
Nancy Lorenz	02/93	1993	Robert Noll	09/03	2003
Norman R. Stewart	07/93	1993	Benny Singleton	09/03	2003
Robert W. Watchous	12/93	1993	Jay Dirks	2003	2003
J. George Klein	07/94	1994	J. Mark Richardson	02/04	2004
Harold C.J. Terhune	01/95	1995	John "Jack" Barwick	02/01	2004
Carl Todd	01/95	1995	Richard Roby	03/04	2004
Don R. Pate	03/95	1995	Ruth Bell Steinberg	2004	2004
R. James Gear	05/95	1995	Gordon Keen	03/04	2004
Vernon Hess	06/95	1995	Lloyd Tarrant	05/04	2004
E. K. Edmiston	06/95	1995	Robert J. "Rob" Dietterich	08/96	2004
Jack Rine	07/95	1995	Mervyn Mace	12/04	2004
Lee Cornell	08/95	1995	Donald Hoy Smith	04/05	2005
John Graves	10/95	1995	Richard M. Foley	06/05	2005
Wilson Rains	10/95	1995	Wayne Brinegar	06/05	2005
Heber Beardmore, Jr.	09/96	1996	Charles B. Moore	09/96	2005
Elmer "Lucky" Opfer	12/96	1996	Jack Heathman	05/06	2006
Raymond M. Goodin	01/97	1997	Charles Kaiser	09/06	2006
Donald F. Moore	10/92	1997	Rod Sweetman	08/06	2006
Gerald J. Kathol	03/97	1997	Karl Becker	10/06	2006
James D. Davies	08/88	1997	Frank Hamlin	10/06	2006
R. Kenneth Smith	04/97	1997	Marvin Douglas	12/06	2006
Robert L. Dilts	05/97	1997	Robert W. Hammond	04/07	2007
Delmer L. Powers	06/72	1997	Eldon Frazey	04/07	2007
Gene Falkowski	11/97	1997	Pete Amstutz	05/07	2007
Arthur (Bill) Jacques	01/98	1998	Charles Spradlin	05/07	2007
Bus Woods	01/98	1998	Donald R. "Bob" Douglass	09/07	2007
Frank M. Brooks	03/98	1998	Vincent Hiebsch	11/07	2007
Robert F. Walters	04/98	1998	Glen C. Thrasher	03/08	2008
Stephen Powell	04/98	1998	Peg Walters	06/08	2008
Deane Jirrels	05/98	1998	Theodore "Ted" Sandberg	07/08	2008
William G. Iversen	07/98	1998	James Ralstin	11/08	2008
Ann E. Watchous	08/98	1998	Earl Brandt	04/09	2009
W.R. "Bill" Murfin	09/98	1998	Walter DeLozier	05/09	2009
Donald L. Hellar	11/98	1998	Don D. Strong	01/10	2010
Joseph E. Rakaskas	01/99	1999	John Stone	02/10	2010
Charles W. Steincamp	02/99	1999	Craig Caulk	03/10	2010
Robert and Betty Glover	10/96	1998	Joseph E. Moreland, Jr.	03/10	2010
Howard E. Schwerdtfeger	11/98	1999	Gene Garmon	03/10	2010
W. W. "Brick" Wakefield	03/99	1999	James F. Dilts	05/10	2010
V. Richard Hoover	01/00	2000	Jerry Pike	05/10	2010
Warren E. Tomlinson	01/00	2000	Donald Hollar	06/10	2010
James A. Morris	01/00	2000	Delbert Costa	08/10	2010
Eric H. Jager	03/00	2000	John Tanner	08/10	2010
Kenneth W. Johnson	03/00	2000	William (Bill) Owen	09/10	2010
Dean C. Schaake	03/00	2000	Harold (Hal) Brown	10/10	2010
Fred S. Lillibridge	05/00	2000	Edmund G. Lorenz	11/10	2010
Jerry A. Langrehr	07/00	2000	Thomas E. Black	05/11	2011
Clark A. Roach	07/00	2000	Wayne E. Walcher	07/11	2011
Floyd W. "Bud" Mallonee	10/00	2000	Henry F. Filson	07/11	2011
Ralph W. Ruuwe	09/00	2000	Thomas Ray	07/11	2011
Robert L. Slamal	02/01	2001	Edgar E. Smith	09/11	2012



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9	10	11	12	13	14	15
Rocky Mountain Section Meeting of AAPG						
16	17	18 Tech Talk	19 KGS Board Mtg.	20	21 KGS Fishing 	22
23	24	25 Tech Talk	26	27	28	29
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October 2012

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