



Established 1925

KANSAS GEOLOGICAL SOCIETY

# BULLETIN

Volume 84 Number 1

January—February 2009

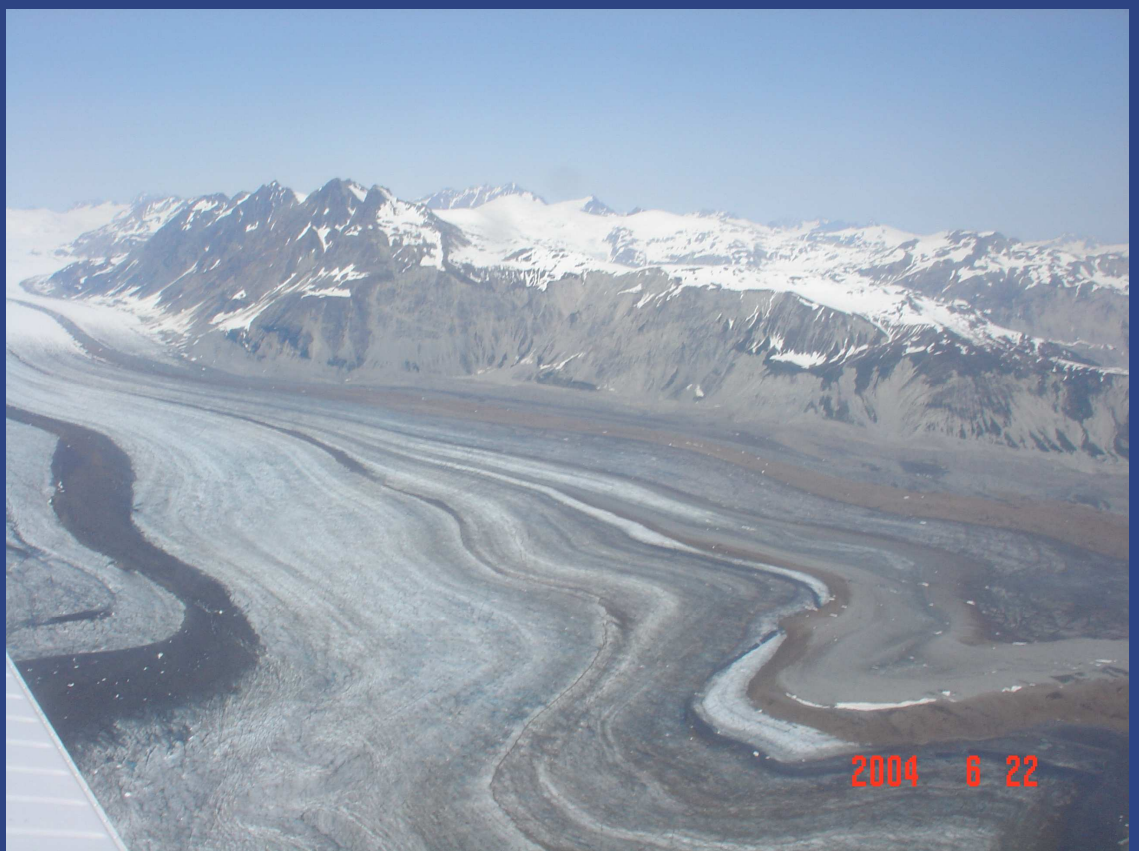
## **IN THIS ISSUE**

*Honorary Member Profile:  
Richard S. Jordan*

*Member Profile:  
Louis Ford*

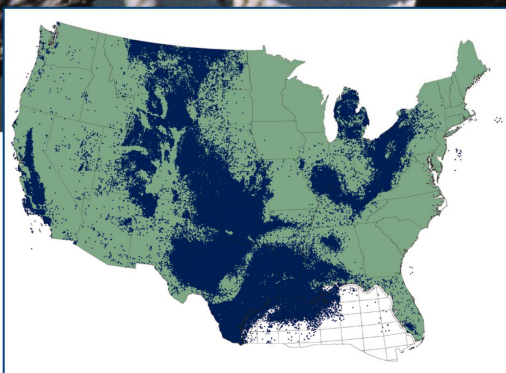
*Memorial: James Ralstin*

**KGS Board of Directors  
2009  
Page 14**



Introducing

# LASSO



Lasso up all the digital LAS well log data you need from the industry's largest collection

With LASSO, lock in TGS' program rates on digital LAS well data from our US collection, growing at an unprecedented pace to more than 500,000 wells over the next several months. LASSO strengthens your exploration projects with the higher-order capabilities of increased digital well log use. LASSO digital data from TGS, the industry's well log data leader, is quality controlled and available online for immediate downloads.

For more information about LASSO, contact your TGS account representative or call 1-(888) LOG-LINE.



Geophysical Products



Geological Products



Imaging Services

[www.tgsnopec.com](http://www.tgsnopec.com)

NORWAY +47 66 76 99 00 | USA +1 713 860 2100 | UK +44 (0) 1234 272122 | AUSTRALIA +61 8 9480 0000

© TGS-NOPEC Geophysical Company. All rights reserved.

# Table of Contents

---

## Features:

### Honorary Member Profiles:

Richard “Dick” Jordan..... 10

### Member Profile:

Louis Ford .....12

### Memorial

James Ralstin ... .. 15

## Departments & Columns:

President’s Letter .....7

From the Manager..... 9

Professional Directory .....19

Advertiser’s Directory .....17

KGS Tech Talks .....4

Kansas Geological Foundation ..... 23

Exploration Highlights ..... 21

KGF Memorials..... 26

## ON THE COVER:

*This photo was taken by Tim Pierce on a summer trip to Alaska a few years ago. A nice shot of the glacier moving along its course, displacing and carrying rock particles to new locations down stream.*

---

## 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 Technical Editor Dr. Sal Mazzullo at [salvatore.mazzullo@wichita.edu](mailto:salvatore.mazzullo@wichita.edu), whose mailing address is Department of Geology, Wichita State University, Wichita, Kansas 67260. 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

*SPRING 2009*

*January 6—TBA*

*January 20—Jim Puckett, Oklahoma State—TBA*

*January 27—Tony Walton Class—KU— “Field Studies”*

*February 3—Larry Richardson’s WSU Class— “Pool Studies”*

*February 17—Ashley Kerschner, KS Geological Survey— “Preserving Oil & Gas Well Samples”*

*February 24—H & R Block— “Oil & Gas Taxation”*

*March 3—Matt Brueseke, Kansas State University— “Volcanology”*

*March 24—Brian Wilhite— TBA*

## *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 at each presentation and also a certificate of attendance.*

# KANSAS GEOLOGICAL SOCIETY



## BOARD OF DIRECTORS

---

### PRESIDENT

Lynn Watney

### PRESIDENT-ELECT

Rick Saenger

### SECRETARY

Dave Clothier

### TREASURER

Beth Isern

### DIRECTORS

Ernie Morrison  
Steve Frankamp  
Robert O'Dell

### ADVISORS

Jon Callen  
Paul Gunzelman

## COMMITTEE CHAIRMEN

---

### Advertising

Kent Scribner

### Advisory

Jon Callen  
Paul Gunzelman

### Annual Banquet

Doug Davis

### Bulletin

Sal Mazzullo

### Continuing Education

Robert Cowdery

### Distinguished Awards

Ernie Morrison

### Directory

Larry Richardson

### Environmental

Kent Matson

### Field Trip

Larry Skelton

### Fishing Tournament

Randy Teter

### Future Plans

### Golf

David Barker

### Historian

Larry Skelton

### Investment

Beth Isern

### Library

Roger Martin  
Ted Jochems

### Membership

Larry Friend

### Nomenclature

John H. Morrison, III

### Picnic

Marjorie Crane

### Public Relations

Robert Cowdery

### Shooting Tournament

Larry Richardson

### Technical Program

Robert Cowdery

### Ticket Sales

Bill Shepherd

## A.A.P.G. DELEGATES

---

Ernie Morrison	Robert Cowdery	Alan DeGood
2010	2009	2009

## BULLETIN STAFF

---

### EDITOR

Sal Mazzullo  
salvatore.mazzullo@wichita.edu (316) 978-7211

### ADVERTISING

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

### PROFILES/MEMORIALS

Robert D. Cowdery  
Consultant (316) 267-9030

### EXPLORATION HIGHLIGHTS

John H. Morrison, III  
Independent O&G (316) 263-8281

### STATE SURVEY

Rex Buchanan  
KS Geological Survey (785) 864-3965

### SOCIETY NEWS

KGS Library (316) 265-8676

### EDITOR EMERITUS

Wes Hansen (316) 863-7313

## K.G.S. LIBRARY

---

PHONE 316-265-8676 FAX 316-265-1013

email: [frontdesk@kgslibrary.com](mailto:frontdesk@kgslibrary.com) or

Web: [www.kgslibrary.com](http://www.kgslibrary.com)

### LIBRARY MANAGER

Rebecca Radford 265-8676

[manager@kgslibrary.com](mailto:manager@kgslibrary.com)

The KGS *Bulletin* is published bi-monthly by the Kansas Geological Society, with offices at 212 North Market, Wichita, Kansas 67202 Copyright 2006, 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.

# TRILOBITE TESTING INC

Eleven Trucks Serving  
Kansas - Colorado - Texas  
Nebraska - Illinois

Slickline services using the same  
Alpine Electronic Pressure  
Guages as used on DST's

Back pressure testing (G1 & G2)

DST's

**1-800-728-5369**

**FAX: 1-785-625-5620**  
**trilobite @eaglecom.net**

SHOPS LOCATED IN:

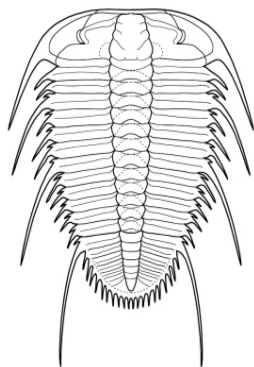
Hays, KS

Scott City, KS

Pratt, KS

Hugoton, KS

Clay City, IL



## CAN YOU NAME THE CRITTER?

Sponsored by Trilobite Testing, Inc.

Is your paleo up to date?

If you know the name of the trilobite,  
submit your guess via e-mail to  
[manager@kgslibrary.com](mailto:manager@kgslibrary.com)

Remember that Trilobite Testing is  
sponsoring your efforts, so be sure to thank  
Paul Simpson the next time that you see him.

**Frank Mize guessed the last two!**  
**Come on you guys, give Frank some competition!!**

**Bulletin committee members and PhD's in  
Paleontology are prohibited from entering.**



OCTOBER 11-13, 2009  
[2009aapgmidcon.com](http://2009aapgmidcon.com)

## Call for Papers & Posters

**AAPG MID-CONTINENT SECTION MEETING**

**TULSA MARRIOTT SOUTHERN HILLS**

**OCTOBER 11-13, 2009**

[www.2009aapgmidcon.com](http://www.2009aapgmidcon.com)

Now in the 21<sup>st</sup> Century both we and future generations must develop every available energy resource at our disposal. The AAPG is welcoming an entirely new generation of geoscientists into our ranks and it is our responsibility as a professional organization to provide the intellectual resources to these new hires (and old hands alike) so that they can develop the new energy resources for generations yet to come.

Abstracts may be submitted for either oral or poster presentations on any of the following topics, in keeping with the Meeting's theme, 'Resources for the Generations':

**The Woodford Formation.**

**Applications for 3-D Seismic: Structure Stratigraphy & Fracture ID.**

**Reservoir Stimulation: Design, Costs & Results.**

**Horizontal Plays in the Mid-Continent: Geologic Opportunities, Drilling & Completion Techniques.**

**Fractures & Micro-fractures: Importance to Resource Plays.**

**Professional Development for Geoscientists: New Hires to Old Hands, Concepts to Completions.**

**New Oil & Gas Ventures: Buy, Drill & Sell**

**Mid-Continent Petroleum Systems.**

**Unconventional Technology in Mature Fields.**

**Shale & Coalbed Reservoirs in the Mid-Continent.**

Submit ONLINE for poster, oral or either at:

[2009aapgmidcon.com](http://2009aapgmidcon.com)



Deadline for abstract submittal is **February 1, 2009**. Abstracts are limited to 250 words.

Presented by the Tulsa Geological Society

# President's Letter

---



Greetings and Happy New Year!

My thanks to Ernie Morrison for his steady hand on the helm as President of the Kansas Geological Society in 2008. His thoughtful leadership of the Society was precisely what the Society needed. Thanks to Rebecca Radford and staff for working hard on the Library, WDL, and society activities throughout the year. Thank you Bob Cowdery for untiring efforts in Continuing Education and your willingness to continue this year.

The board will continue in a deliberate course to finally establish a new Walter's Digital Library where the legacy data are accessible and new information including electronic image and LAS logs are incorporated as they are released from the State. Looking long-term, we envision new business opportunities to better serve you and keep the WDL and the Society viable for many years to come. An electronic type log project, agreed upon by the board last year, will be implemented using latest technology to convey stratigraphic nomenclature and the diverse geologic conditions that comprise the Kansas' subsurface. The reference set of well data will be contributed by society members and assembled by a technical committee to aid the science and practice of subsurface geology and enable current and future activities.

This past year has been a profitable year for both the WDL and the Library in spite of the second-half economic downturn. While we all will face challenges this coming year due to the economy, I am convinced our membership, representing energy and environmental geology, will be important in the economic recovery of this region. You have weathered economic challenges in your business in the past and developed strategies that are long term. Since 2000, a long standing decline in oil production in Kansas was reversed, an indication of the potential when price, technology, and ideas meet opportunity.

I look forward to serving the membership as best as I am able. It has been my home society for the last 33 years and I have gained a lot from all of you. It's my time to give back. I hope we all have a great new year.

Respectfully submitted,

W. Lynn Watney

# **KGS Annual Banquet**

**Friday, January 23, 2009**

**Petroleum Club**

**Social Hour: 5:30 PM**

**Dinner: 7:00 PM**

**Tickets: \$30.00 per person**

**Inducting Richard "Dick" Jordan as an Honorary Member**

**Please call to make your reservations  
316-265-8676**

## **Would you like to increase your production?**



Well Enhancement Services, LLC is jetting laterals utilizing new technology and coiled tubing. Operating across Kansas, we have perfected the lateral jetting process with the ability to place acid hundreds of feet away from the well bore. This technology is revolutionizing the oil industry across the nation. It has firmly established itself by repeatedly increasing production in both new and existing wells. Contact us for more information, questions or to schedule your next well with WES.



### **Please Contact Us:**

**Phone: (785) 625-5155**

**Fax: (785) 625-4151**

**wesofhays@hotmail.com  
www.wellenhancement.com**

**Box 87 Schoenchen, KS 67667**

**Tap into success.....with WES**



# From The Manager

---



Dear Members,

As we start off this new year, we are seeing a significant slow down of activity in the business. Thus, we are seeing that slow down in the use of our library. But, like many of you, we are finding that our costs are not coming down so we had to raise the price of data here at the library. The price increase will be in effect starting January 1, 2009. I wish we didn't need to raise the prices but we have to keep this library viable so please try not to complain too loudly about the increase!

Please mark your calendars for the KGS Annual Banquet which will be held Friday, January 23, 2009 at the Petroleum Club. This year the Society will be honoring Richard "Dick" Jordan as honorary member and we will also be recognizing 9 of our members who have reached the 50 years of membership status. Those individuals are: Don Beauchamp, William K. Clark, Warren O. Johnson, Donald J. Malone, John Roger McCoy, Walter Innes Phillips, Arden D. Ratzlaff, Glenn N. Rupe, and Richard D. Smith. Please plan to attend and help to honor these gentlemen.

Congratulations to our new 2009 Board of Directors who are featured on page 14 of this Bulletin. I look forward to working with Lynn Watney and the rest of the board as we move forward on many projects.

If things stay slow, and you find yourself with nothing to do.....offer to volunteer. We have boxes of data that we are trying to get scanned and filed and yet, we really don't have the funds to increase our staff so if you are so inclined, we could use your help!

Respectfully submitted,  
***Rebecca Radford***

# HONORARY MEMBER PROFILE

## *Richard S. “Dick” Jordan*



The time of the year has arrived when the Kansas Geological Society bestows Honorary Membership on one of its deserving members. This year it is a very well known and active geologist.

Dick's story commences in 1950 in Minneapolis, Minnesota. His parents have an extremely interesting background. His mother, Colette met his father, Stan during World War II when she was a French nurse assigned to the American Army serving behind the lines and then in a refuge camp where his father was a Lieutenant with the 1<sup>st</sup> Infantry supervising the same refugee camp. They were married after the war in Rosenheim, Germany. Later they returned to Minneapolis, Minnesota and to the union three sons were born all of who have dual citizenship, American and French as their mother remained a French citizen until Dick was in high school. His older brother, Bruce lives in Decorah, Iowa and his younger brother, lives in Overland park, Kansas near his parents.

Dick attended grade school in Minnetonka, Minnesota and then the family moved to Cedar Rapids, Iowa where Dick attended both Jr. High and High School, graduating in 1968. He graduated from Wichita State in 1973 with a degree in Geology. Some of his classmates at WSU were: Tyler Sanders, Bill Jackson, Rene Stucky, Randy Wilson, Chuck Immich, and Bo Darrah. Also in 1971 he met a nursing student, Christie Wood of Prairie Village and they were married in August of 1973. They

have two children: Heather Tignor who lives in Chicago with her husband Brent and daughter, Audrey; and Dr. Matthew Jordan, a 2<sup>nd</sup> year Internal Medicine resident at the University of Iowa and is married to Jennifer. Jennifer and Matthew have a daughter, Lindsay.

Dick's professional career commenced with his employment in January 1974 by Cities Service Oil Co. In October 1975 he joined Raymond Oil and then in 1978 he joined Vincent Oil where he is currently employed. Dick believes he owes a great deal to three men who provided employment: Eldon Frazey at Cities Service, Mike Raymond at Raymond Oil and Vince Hiebsch at Vincent Oil. Looking back on his professional career, he cherishes relationships he had with many fellow geologists at CSO; Eldon Frazey, Bill Jacques, Herb Johnson, Jerry Honas and John Rose, at Raymond Oil: Mike Raymond, Tim Hellman and Bob O'Dell; at Vincent: Wayne Walcher, Deane Jirrels, Jene Darmstetter, Larry Friend, Paul Hagemeyer, John Hastings, Maurice Korpage, and Mark Newman. Among this group, the two geologists who were most influential in his career were Mike Raymond and Jene Darmstetter.

He is a member of the AAPG, KGS, and KGF, but particularly in the KGS where he has served over the years in many capacities commencing in 1987 as KGS Library Committee, Chairman, then in 1988 as KGS Future Plans Committee, Chairman, 1988-89 KGS Manager Search Committee Chairman, 1990 KGS Annual Banquet Chairman, 1993 KGS Director.

Dick was co-founder of the Kansas Geological Foundation in 1989 with Jene Darmstetter and Fred James and that year served as its first President. He has been a Director of the Foundation in 1993, 1994, 1995, 2004, 2005, and 2006. In May 2000 he joined with Jon Callen to utilize the Kansas Geological Foundation to raise funds to assist in digitizing electric logs in the Society Library and then in June of 2000 help solicit lead sponsorship and naming rights for the Robert Walters Online Library from the Walters family and also the digitizing of that Library. Then raised \$600,000 from KGS members and industry and secured a \$296,000 grant from the Department of Energy to complete the project in May 2004.

He also served the Society and the AAPG by serving in

## Honorary Member Continued

1991 as Publicity Chairman for the Mid-Continent Section Meeting of the AAPG.

He has enjoyed his profession and career from the very beginning as his early undergraduate courses in geology permitted him to work outside. He absolutely would follow the same path, if he had it to do over as it allowed him the opportunity to daydream of finding buried treasure while working within the Kansas Oil Industry which he found was filled with great people. He would suggest to the young geologist just entering the field that he learn the “art of finding oil and gas” as well as absorbing the science and technology.

One amusing experience that he recalls in his career was when he was showing a Vincent Oil prospect to Bob Cowdery who was working for Petroleum, Inc. and Bob fell asleep during the presentation.

Dick has other activities outside his profession, particularly in his service to Country Acres Baptist where he is an elder and adult Sunday school teacher. Recreationally he enjoys golf, hunting and he also follows WSU athletic activities.

With a lot of his career ahead of him, Dick has the ambition and desire to find an oil/gas field in another state.

This has been a short and perhaps inadequate description of the career of the Kansas Geological Society’s newest Honorary Member.

# Kansas Geological Society’s Annual Banquet

Friday, January 23, 2009

Petroleum Club  
9th Floor—Bank of America Building  
Broadway & Douglas

Social Hour: 5:30 PM

Dinner: 7:00 PM

Tickets: \$30.00 / person

Tickets may be purchased from  
Bill Shepherd 263-5495

Or

KGS Library 265-8676

Please Make Your Reservations!

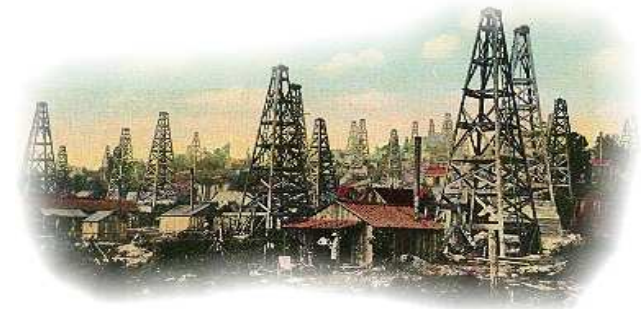


Louis was employed by Texaco from 1955 until 1968, at the following locations: Salem, Illinois 1955-1959; Wichita, Kansas 1959-1961; Tulsa, Oklahoma 1961-63, Wichita, Kansas 1963-1966; and Oklahoma City, Oklahoma 1966-68. In 1968 he joined Walter Duncan Oil Co. and remained there until 1984 when he started his own company, Ford Exploration. Some former KGS members that he worked with while at these companies were: Jack Busby, Truman Logdon, Harry Stevens, Charles Williams, Gordon Smale, Joe Tolle, Dick Renard, Jim Allison and Lynn Wooley.

In March 1957, he married Gayle Carlene Wolff in Salem, Illinois, and they have three children: Melissa Ford, who is CEO of Vetrex Electronics in San Diego, California; Penny Ford Adams, Interior and Commercial Designer in Sierra Madre, California; and Wendy Ford Mackey who resides in Austin, Texas.

Louis's answer to what was the most challenging well was "I've not had a challenging well – I do pretty good and don't have too many dry holes." His advice to a young geologist entering the field is "learn everything you can." From his professional record as a member of the AAPG, SEG, SIPES and OCGS it is evident that he has followed his own advice. One thing he is certain about is whether he would be a Petroleum Geologist if he had it to do over with his answer of "definitely."

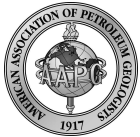
Over the years, his off-the-job activities have included: membership in the Westminster Presbyterian Church, hunting, fishing, tennis, and exercise. Although he loves going to his office, he would like to find more time for fishing, hunting, and golf. As to goals, he is nearing 80 years old and would like to reach that milestone.



This is the profile of a former member of the KGS now residing in Edmond, Oklahoma.

Louis Ford was born in Lancaster, Kentucky on December 26, 1928. His father who had attended the University of Kentucky was a farmer in that area, and his mother had attended Transylvania College at Lexington, Kentucky. Louis had two brothers Bascom and James. Bascom was killed in action in Italy during WW II.

All of Louis's primary and secondary schooling was in Lancaster schools culminating in his graduation from Lancaster High School. Then one of the reasons that influenced him to choose a career as a geologist was that would enable him to be outside a lot so he then enrolled at the University of Kentucky in geology and graduated from that institution in 1951. Following graduation, he served in the U. S. Army from June 1951 until October 1953, entering the army as a private and being discharged as a 2<sup>nd</sup> Lieutenant. After his discharge he re-enrolled at the University of Kentucky and received his Masters Degree in 1956. One particular professor that influenced him was Dr. A.C. McFarlan, who let him in Graduate School a month late when he was discharged from the U. S. Army.



Security for AAPG Members  
& Their Families  
Through Group Insurance

*Life  
Health  
Dental  
Disability  
Auto and Homeowner  
Supplemental Plans*

AAPG's  
GeoCare Benefits Insurance Program  
P. O. Box 189  
Santa Barbara, CA 93102-0819  
**800-337-3140**  
E-mail: [geocarebenefits@agia.com](mailto:geocarebenefits@agia.com)  
[www.geocarebenefits.com](http://www.geocarebenefits.com)

## Join The Kansas Geological Foundation

### And Help Support:

- ◆ Public Education of The Petroleum Industry
- ◆ Scholarships for Geology Majors in Kansas
- ◆ Collecting and Archiving geologic data
- ◆ Video /DVD Library for public use
- ◆ Grants to science teachers

The Foundation is a 501(c)3 organization

Consider a gift to the Foundation  
To learn more, call 316-265-8676



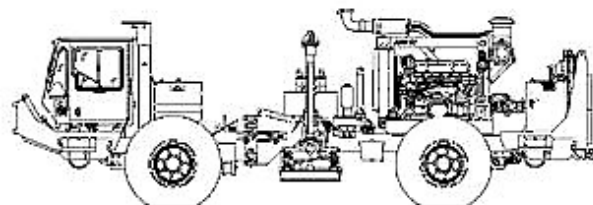
*"Setting The New Service Standard"*

**Burt Gowdy**  
Technical Sales Engineer

Open Hole Wireline Services  
Servicing KS, OK, TX & AR

2409 South Purdue Drive  
Oklahoma City, OK 73128  
Fax: (405) 601-5737  
Cell: (405) 514-0643  
24 hr. Dispatch 1-918-645-1091

Email: [Burt.Gowdy@TuckerEnergy.com](mailto:Burt.Gowdy@TuckerEnergy.com)  
<http://www.TuckerWireline.com>



~The TOP CHOICE for 3D SEISMIC~

John H Beury III ~ Pres John Aguilar ~ Op. Mgr.

**PHONE (316) 636 - 5552 FAX (316) 636 - 5572**

3500 N. Rock Rd., Bldg 800, Suite B  
Wichita, KS 67226

[paragon@paragongeo.com](mailto:paragon@paragongeo.com)

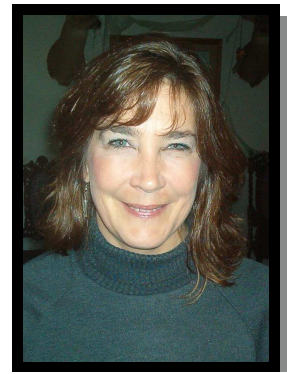
# 2009 Kansas Geological Society Board of Directors



**Lynn Watney**  
**President**



**Rick Saenger**  
**Vice-President**



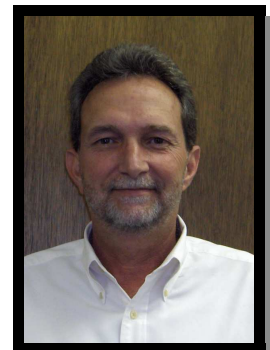
**Beth Isern**  
**Treasurer**



**David Clothier**  
**Secretary**



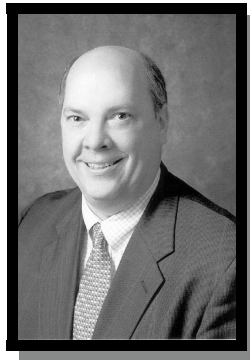
**Ernie Morrison**  
**Director**



**Steve Frankamp**  
**Director**



**Robert O'Dell**  
**Director**



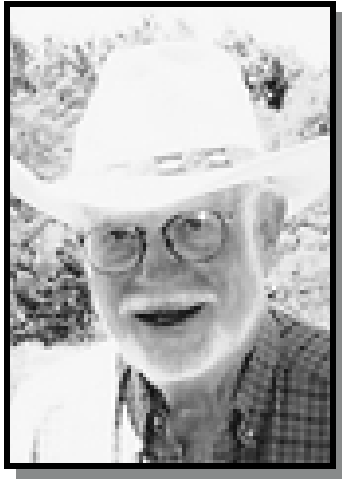
**Jon Callen**  
**Advisor**



**Paul Gunzelman**  
**Advisor**

# Memorial

# James Ralstin



Jim Ralstin was a man that truly would have been in the “League of Extraordinary Gentlemen”, if it existed outside of the movies and TV. He was a geologist, pilot, polo player, Shrine Potentate, rancher, landman, hunter, and had been a POW during World War II. With his passing on November 14<sup>th</sup>, after a life that spanned 88 years, the profession lost one of its most outstanding members.

Jim’s father was a Dentist in Wichita, but Jim was raised on a farm about four miles west of Wichita.

He rode a horse to grade one thru eight to a one-room school near what is now Mid-Continent Airport. He graduated from North High School and while attending, lettered in football and track.

In his early childhood he visited wellsites with his father, particularly those near Valley Center and in doing so developed an interest in geology, thus when he entered Wichita University, he enrolled in geology. During this period, he supported himself by working as a roughneck and tool dresser for McPherson Drilling Company.

He received his degree from Wichita University and one day later was inducted into the Army. After completion of training at Ft. Benning, Georgia, he received a commission as a 2<sup>nd</sup> Lieutenant. He shipped overseas to Naples, Italy where he joined the 3<sup>rd</sup> Ranger Battalion. The 3<sup>rd</sup> Rangers made a landing at Anzio and spearheaded the assault of the beachhead at Cisterna.

During this assault, the division was virtually wiped out and Jim was captured by the Germans. Jim was sent to Oflag #6 in Poland where he spent a year. He escaped and after three months in Poland and Russia avoiding re-capture, he made his way home prior to the end of the European war.

In 1946, Jim went to work for Franco Central and stayed with that company until 1950 when he joined D. R. Lauck. Jim then entered the consulting field in 1953 and remained a consultant for the rest of his career although at various times he joined other geologists and “oilmen” in partnerships and other arrangements.

Jim and Dean Jirrels formed a partnership that lasted four years and during this period they were some of the busiest “wellsitters” in town. At a later date, Jim joined Jack Heathman to form Hydrocarbon Survey Inc., a company that located areas for potential gas storage areas by use of core drill in Iowa, Indiana, and Illinois.

Jim was involved in several significant discoveries including Airbase and East Airbase Fields near Hays. His association with Willis Hartman introduced him to the sport of polo and he pursued that sport for 30 years. In his Masonic activities, he reached the pinnacle with his elevation to Potentate in 1986,

Jim became owner of a working ranch in Kingman County that at one point in time supported 1400 to 1500 head of cattle.

Jim is survived by his wife Anna, son, Dr. James Ralstin, daughter Terry Ralstin-Hamlin, step-daughters; Valerie Marsters and Barbara Canevari; stepson Bill Bloss and brother Robert Ralstin. Also six grandchildren and three step-grandchildren.

The family has established memorials in his name with Plymouth Congregational Church, American Cancer Society and Midian Shrine Plane of Mercy.

# Ten Lessons from Bill Barrett's School of Hard Knocks

## LESSON #1 – MAXIMIZE LIFES EXPERIENCES/NEVER STOP LEARNING

I believe it might have been Einstein who said experience is more important than knowledge. **PUT YOUR LIFES EXPERIENCES TO WORK.** - Maintain a thirst for knowledge and work will become a labor of love.

## LESSON #2 – ANTICIPATE AND EMBRACE CHANGE

There is nothing permanent except change. The 21<sup>st</sup> century has witnessed explosive growth in new knowledge and technological innovation. **UTILIZE TECHNOLOGY**

**IF NECESSITY IS THE MOTHER OF INVENTION, THEN TECHNOLOGY MIGHT BE THE FATHER.**

Nothing has hastened the development of Rockies and U.S. unconventional resources more quickly than technology. **UNDERSTAND IT, EMBRACE IT, DEVELOPE IT.**

## LESSON # 3 – EARLY ON IN THE EXPLORATION BUSINESS I LEARNED THAT “EXPOSURE IS THE NAME OF THE GAME”

The late Marvin Davis stated: “Those who drill the most wells find the most oil and gas”. He was right. Improve your odds making certain you drill high quality prospects.

**LESSON #4 – IF YOU DON'T TAKE A SWING AT THE BIG RESERVES YOU ARE NEVER GOING TO HIT IT BIG.** It is a proven formula that has worked in four previous successful companies I have been associated with, leading to the discovery of 8 giant or near giant size fields.

- As I like to say **“HITTING SINGLES IS FOR GUYS NAMED PEEWEE, GUYS NAMED BABE SWING FOR THE FENCES.”.....“CALL ME BABE, I GO FOR THE FENCES”**
- **REMEMBER**, it only takes one of these large exploration projects to have a major, major impact on a company or individual. **That is why they are called “COMPANY MAKER PROJECTS”.**

**LESSON #5 – ACQUIRE AND MAINTAIN A DOMINANT OIL AND GAS LEASE POSITION IN HIGH POTENTIAL AREAS.** Land is truly the basis of wealth in the oil and gas industry. Without it you have nothing.

- make certain you have a controlling lease position prior to drilling.
- **BE A LEADER NOT A FOLLOWER.** Get in the play early, before the cost goes up.

**LESSON # 6 – IT IS STILL ABOUT THE CREATIVITY AND MOTIVATION OF TALENTED PEOPLE,** despite our reliance on the science of geology, geophysics, engineering, land and technology as the foundation of our industry. It is about “getting the light to come on.” It's about **THINKING OUTSIDE THE BOX.** Keeping and open mind for new ideas and new ways to do things.

- Any success I have had is directly due to the **TALENTED PEOPLE** I have been fortunate enough to work with.
- These talented people are Doer's, Be a DOER. As Henry Ford once said "you can't build a reputation on what you are going to do" You must do it.

**LESSON #7 – THE HARDER YOU WORK THE LUCKIER YOU GET.** Remember it's the work and not the clock that tells you when it's quit' in time.

**IF YOU WANT TO IMPROVE YOUR LUCK DO THE FOLLOWING:**

- ◆ **PREPARE RELENTLESSLY.** "If you are going to itch to have something, you better be ready to scratch for it".
- ◆ **REMEMBER DETAILS MAKE THE DIFFERENCE.** A lot of conventional thinkers overlook details that might lead to an unconventional or previously unrecognized discovery.
- ◆ **HAVE PATIENCE but be PERSISTANT.**
- ◆ **BE ACCOUNTABLE** all of the time.
- ◆ **FOCUS, FOCUS, FOCUS, ON YOUR AREA OF EXPERTISE.** Grass is not always greener on the other side of the street. Don't spread yourself too thin.
- ◆ **LISTEN TO YOUR GUT...** Again, in our field science, technology and numbers are kings, but **TRUST YOUR INSTINCTS**, which are formed from your past experiences...believe in your ideas...your gut.
- ◆ **BE YOU'RE OWN MAN,** believe in your ideas, pound the table for what you believe.



**LESSON #8 – UNDERSTAND THE BUSINESS ASPECTS OF E&P – Take a long term view, maintain a conservative fiscal posture, preserve financial flexibility.**

- Understand all facets of risk.
- Make certain you have enough insurance.
- Understand oil and gas price hedging strategy.
- Make safety a priority in all facets of your business.
- Don't burn any bridges. You might find a need to cross them in the future. It is a small world.

**TO SUM IT ALL UP DO AS THE LATE CORT DIETLER SAID, "YOU WILL NEVER GO BROKE MAKING A PROFIT. DO WHAT YOU SAY, PAY YOUR BILLS AND HONOR YOUR FRIENDS"**

**LESSON #9 – CHALLENGE ONEROUS, UNNECESSARY REGULATORY AND ENVIRONMENTAL REGULATIONS AND ROAD BLOCKS.** Become involved in the political process, fight for what is fair and right. "If you don't do politics, someone is going to do politics for you." **This election is the most important, from a public policy perspective, in decades. People are finally talking about energy, and it is up to us to help them understand it. YOU, WE, ALL NEED TO GET INVOLVED.**

**LESSON #10 – BE A VIP – STRIVE FOR VISION, INTEGRITY AND PERFORMANCE AS VALUES FOR YOURSELF AND YOUR COMPANY.**

Speaking of integrity, I've found that your reputation is more important than your reserves on the books, and more delicate. Develop a strong personal code of ethical behavior and practice it in every aspect of your lives. As the French novelist and playwright Victor Hugo puts it, "Change your opinions, keep your principles; change your leaves, keep intact your roots".



**For Sale**

**MJ Systems Microfiche E-Logs  
Of Kansas and reader printer**

**\$11,500 OBO  
Contact Dan Fredlund  
316-734-4933**

**ADVERTISER'S DIRECTORY**

	<i>page</i>
Abercrombie RTD, Inc	18
Allied Cementing Company, Inc	18
Duke Drilling	18
GeoCare Services AAPG	13
Kansas Geological Foundation	23
Lockhart Geophysical	18
LogSleuth	25
Murfin Drilling Company, Inc	18
PARAGON Geophysical Services, Inc	13
Petrobase	18
Professional Directory	19
Sunrise Oilfield Supply	18
TGS-NOPEC Geophysical Company	2
Trilobite Testing	6
Tucker Wireline Services	13
Walters Digital Library	8
Weatherford	27
Well Enhancement Services, LLC	8

**ADVERTISER'S RATES: 2008**

<b>Full Page</b>	<b>B&amp;W</b>	<b>Color</b>
6 issues	\$2,000	\$2,500
3 issues	\$1,080	\$1,325
1 issue	\$480	\$525
<b>1/2 Page</b>		
6 issues	\$1,000	\$1,500
3 issues	\$540	\$825
1 issue	\$225	\$350
<b>1/4 Page</b>		
6 issues	\$600	\$900
3 issues	\$325	\$525
1 issue	\$150	\$250
<b>1/8 Page</b>		
6 issues	\$300	\$500
3 issues	\$175	\$325
1 issue	\$75	\$185
<b>Professional Ad (Business Card)</b>		
6 issues	\$90	\$180

*For one-time ads, call Rebecca at 316-265-8676*

WESTERN KANSAS  
SOUTHERN NEBRASKA



EASTERN COLORADO  
OKLAHOMA & TEXAS PANHANDLES

**10 Drilling Rigs**

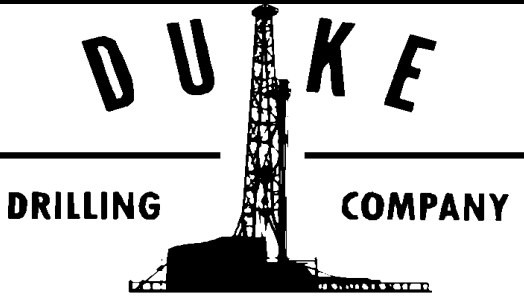
For contract information, please contact:  
Blaine Miller / Drilling Department  
316-858-8607 (Direct) or 316-267-3241

250 N. Water #300—Wichita, KS 67202

**10 Well Service Rigs &  
Roustabout Services**

For contract information, please contact:  
Alan Hays, Well Service Sprvsr.  
785-421-2103 or 785-567-8739 (cell)

East Highway 24—Hill City, KS 67642



**ROTARY DRILLING CONTRACTOR**

620 Hubbard PO Box 823  
Great Bend, KS 67530  
Phone 620-793-8366

100 S. Main, Ste. 410,  
Wichita, KS 67202  
Phone 316-267-1331  
Fax 316-267-5180

**ABERCROMBIE RTD, INC.**

Rotary Drilling  
Contractor

Operating 4 Rigs in Western Kansas & NW Oklahoma

150 N. MAIN SUITE 801  
WICHITA, KANSAS 67202-1383

**(316) 262-1841**



**Great Bend (620) 793-5861    Ness City (785) 798-3843    Medicine Lodge (620) 886-5926**



Acidizing Available at Medicine Lodge District

**Russell  
(785) 483-2627**

**Oakley  
(785) 672-3452**

**Lockhart Geophysical Company**

Call (303) 592-5220 FAX (303) 592-5225  
Or E-mail lockden@xpert.net

**2D & 3D Seismic Acquisition**  
Vibroseis Specialists



**JAPEX GDAPS-4 Distributed  
System**

*We'll give you seismic excellence*

**PETROBASE**

**The Digital Database for Western Kansas**

High Quality Data Your Software Can Use  
Includes All Central and Western Counties  
All Wells — Dating from the 1800's

*The Most Complete and Extensively Edited Data Available*  
Headers • Tops • Dsts • Perfs and Other Unique Features  
Geologically Selected Formation Tops-Consistent Stratigraphic Nomenclature  
Accurate Latitudes-Longitudes Tied to Digital Land Grids

Robert D. Dougherty, Geologist    Phone (620)793-9055  
P.O. Box 1065    Great Bend, Kansas 67530

or call WhiteStar Corporation in Denver - (303) 781-5182



STORES

Ness City, KS  
800-589-5733

El Dorado, KS  
316-321-9323

Garden City, KS  
877-976-1700

Spivey, KS  
316-532-5261

McCook, NE  
308-345-1542

**FULL LINE SUPPLY STORE**

With Pump Shop  
Offering New & Used  
Pipe, Equip. & Fittings  
Employee Owned

**SALES OFFICES**

Wichita, KS  
800-777-7672

Great Bend, KS  
316-792-3130  
Mob: 316-786-4255

**New Office**  
Hugoton, KS  
620-428-6604

# PROFESSIONAL DIRECTORY

**Kirk Rundle**  
**Consulting Geophysicist**

3D Seismic Design, Acquisition to Processing QC.,  
Interpretation and Analysis, Subsurface Integration  
7340 W. 21st. N., Ste. 100  
Wichita, Kansas 67205

Office: 316-721-1421 Fax: 316-721-1843  
Home: 316-721-8962 Email:krundle@swbell.net

**ROGER L. MARTIN**

*Independent/Consultant  
Petroleum Geologist*

200 East First Street, Ste. 405  
Wichita, Kansas 67202

Office 620-438-2000 Cell: 316-250-6970

Field Cell: 316-655-1227

Email: rogermartingeo@yahoo.com

**DON V. RIDER**  
*Consulting Petroleum Geologist*  
**Well Site Supervision  
Geological Studies  
Completions**

8910 W. Central Park Ct.  
Wichita, KS 67205

Office PH: 316-729-4445 Cell PH: 316-706-7199

**ALFRED JAMES III**

*Petroleum Geologist*  
Kansas - Colorado - Alaska

SIPES #1111

Wichita, Kansas 67202

Off: (316) 267-7592

Tel.: (972) 712-9036  
Fax: (972) 712-0258  
Cell: (214) 223-1784

**LANG J. FUQUA**  
**Certified Petroleum Geologist**

4201 Tanglewood Ln.  
Frisco, Texas 75035

**M. Bradford Rine**

*Honorary Life Member—Kansas Geological Society*

*Licensed Geologist—KS. #204  
Registered Professional Geologist—Wyo. # 189  
Certified Geologist—A.A.P.G. # 2647  
S.I.P.E.S. # 1584 S.P.E. #109833-4*

PROSPECT EVALUATION • PROSPECT GENERATION  
WELL SITE SUPERVISION • EXPERT TESTIMONY • OPERATIONS  
PROPERTY EVALUATION • RESERVOIR STUDIES

Suite 415  
100 S. Main  
Wichita, KS 67202

DRLG./COMP. CONSULTATION

Office: (316) 262-5418  
Fax: (316) 264-1328  
Cell: (316) 772-6829

**WESLEY D. HANSEN**

*Consulting Geologist*

Well site Supervision  
Geologic Studies  
212 N. Market, Ste 257  
Wichita, Kansas 67202  
Off: (316) 263-7313  
Mobile: (316) 772-6188



Paul Gunzelman  
President/Geologist

Wichita, Kansas 316.634.6026

email p.gun@sbcglobal.net



**KEVIN L. KESSLER**

INDEPENDENT/CONSULTING PETROLEUM GEOLOGIST

WELLSITE SUPERVISION • GEOLOGIC RESEARCH  
OIL & GAS PROSPECTS  
KANSAS & EASTERN COLORADO

MAILING ADDRESS

1199 N. PONDEROSA RD.  
BELLE PLAINE, KS 67013

PHONE

RES.: (316) 522-7338  
MOBILE: (316) 706-6636

EMAIL: KKESSLER1199@AOL.COM

**ROBERT J. GUTRU**

*Geologist*

300 Farmers & Bankers Bldg.  
200 East First Street  
Wichita, Kansas 67202

Off: (316) 265-3402

**KGJ ENTERPRISES**

**Contract Oil & Gas Accounting &  
Office Management**

Kathryn G. James, MBA  
4278 SW 100th ST.  
Augusta, KS 67010

(316) 775-0954  
(316) 250-5989  
kgjames@onemain.com

**MELLAND ENGINEERING**

*Petroleum Engineering & Geological Consulting*

**James E. Melland, P.E.**

Owner

Office: (620) 241-4621 Fax: (620) 241-2621

Cell Phone: (661) 319-5950

Email: jemelland@sbcglobal.net

Jamesm@mellandengineering.com

P.O. Box 841, McPherson, KS 67460



The KGS welcomes you to submit your vacation photos of geologic interest. Submission of photos implies permission to publish in the KGS Bulletin. Please send your submissions with titles or captions and date of the photograph to Rebecca at the KGS Library by mail or e-mail:

Rebecca Radford 316-265-8676

[manager@kgslibrary.com](mailto:manager@kgslibrary.com)

212 N. Market, Ste. 100, Wichita, KS 67202

***Free To Good Home (or office)***

Geophysical Journals  
AAPG Bulletins  
GSA publications

Contact: Rick Saenger  
316-295-4675  
[rsaenger@hs-geo.com](mailto:rsaenger@hs-geo.com)



**Help Wanted!  
Integration Project**

If you have ***any*** time you could give to the **Library**, we have projects that could move a little faster with some ***Expert Professional Geologists***

**Just a few hours a week would make such a difference.**

*To volunteer, please contact Ted Jochems or Rebecca at the Library  
265-8676*

**THE ON-LINE  
BULLETIN IS NOW IN  
PDF FORMAT**

Check out the complete KGS Bulletin on our web site  
[www.kgslibrary.com](http://www.kgslibrary.com)

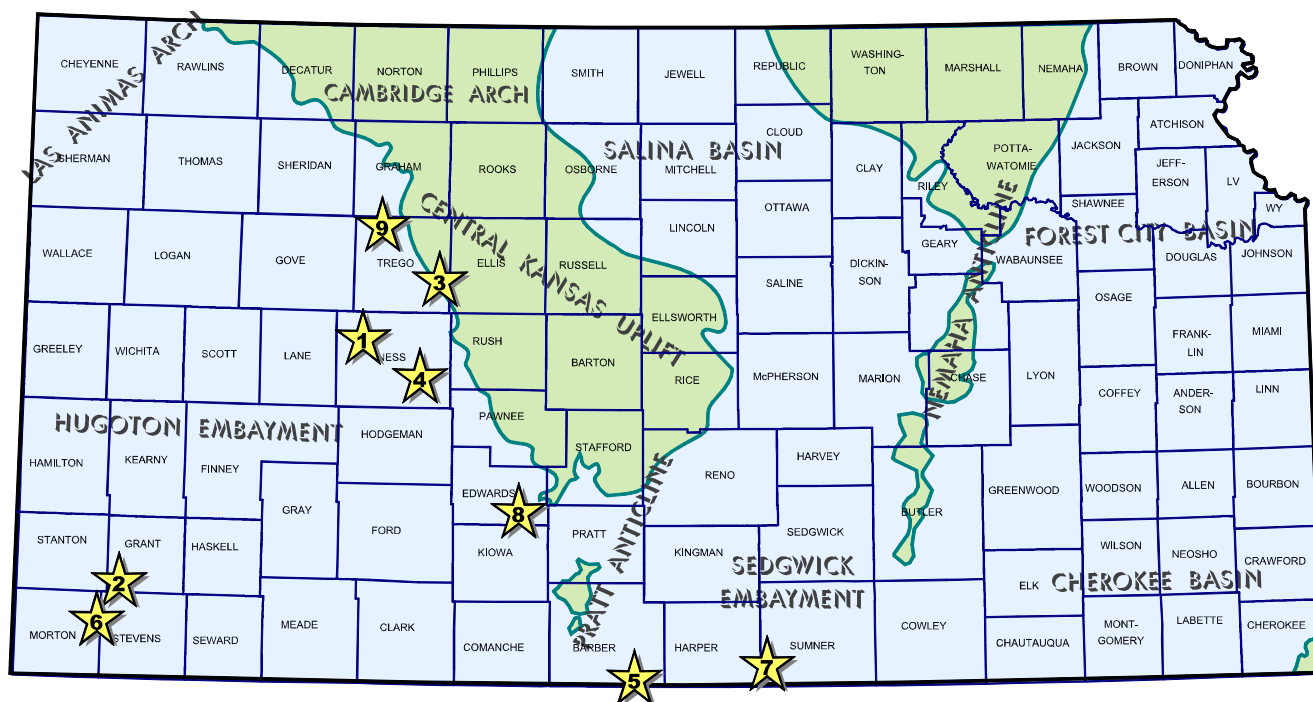
A simple way to help your Society save money would be to let us know if you like viewing the Bulletin on line. This would allow us to reduce our mailing & printing costs of sending the Bulletin to every member.

We are glad to keep mailing it to you but if you are satisfied with reading on-line, please just let us know.

**316-265-8676**

# Exploration Highlights

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



(1) Red Oak Energy, Inc., of Wichita, KS., has opened a new oil field in Ness County with the successful completion of the Lamer Trust #1-20 wildcat prospect. The new unnamed field discovery is currently on pump making around 62 barrels of oil per day from perforations shot from 4436 to 4440 ft. The well was drilled to a rotary total depth of 4510 ft. by Southwind Drilling tools. Well site is located in approximately the C W/2 W/2 SE of section 20- T17s- R25W, about six miles southeast of the town of Utica, Kansas. Closest established production near the new find lies one mile west in the Lazy 17 field (Mississippian oil) which was opened by Pickrell Drilling Company in 1989.

(2) Presco Western, LLC has discovered Mississippian Saint Louis oil and gas reserves at the #4-L (8-30-38) Johnson, spotted in the SW/4 of section 8- T30s- R38W in Grant County. The well was drilled to a total depth of 5810 ft. Production depth and well potential has not been disclosed. The new unnamed field is located over one and one half miles northeast of the Nich field, about twelve miles southwest of Ulysses, Kansas.

(3) In Trego county, independent operator Downing-Nelson Oil Company has established new Lansing-Kansas City and Arbuckle oil production with the completion of the #1-1 Ray Kroeger. Well site is located in the SW/4 of section 1- T14s- R21W, about five and one-half miles southwest of the city of Ellis. Operator bottomed the well at a total depth of 4080 ft. and perforated the LKC 'A', 'C' and 'E' zones between 3600 to 3602, 3626

to 3632 and 3662 to 3668 ft, and Arbuckle from 3988 to 3991 ft. The well was completed for 8 barrels of oil per day. Site lies nearly three-quarters mile southwest of the Kroeger South field.

(4) A new Mississippian oil field has been discovered in Ness county by American Warrior, Inc. The new unnamed field is located in the SW/4 of section 1- T19s- R22W, almost one-half mile south of the city of Bazine. Petromark Drilling was contracted to drill the #2-1 Kuehn to a total depth of 4301 ft. New reserves were found over one and one-quarter miles west of the Dewald North field - another Mississippian oil producer. Daily potential has not been reported.

(5) An unknown amount of natural gas is being produced by Chieftain Oil Company at their Mott #1 in Barber county. Located in the NE/4 of section 8- T35s- R11W, the new discovery found pay in the Mississippian formation, almost one and one-half miles east of the multipay Stranathan field. The well was drilled to a total depth of 5454 ft. The new field has not been named. Field area is located a little over two miles west of Kiowa, Kansas.

(6) Presco Western, LLC has completed it's #4-J (29-32-39) Green as a Morrow oil and gas producer in the SE/4 of section 29- T32s- R39W, Morton county. Operator discovered new deposits over one and one-quarter miles southeast of the multipay

Kinsler field, nearly eleven miles southeast of Richfield, Kansas. Total depth is 6301 ft. First production commenced on August 15, 2008.

(7) The Mississippian formation is flowing an undisclosed amount of natural gas at a wildcat site in western Sumner county. New discovery is Future Petroleum Co., LLC's #1 Willey, located in approximately the N/2 N/2 of section 27-T34s- R4W. The well was drilled to a total depth of 4900 ft. last May and started producing into pipeline in July. The new unnamed field lies nearly two miles southeast of the Bluff field, or six and one-half miles northwest of Caldwell, Kansas.

(8) In Edwards county, CMX, Inc. has completed the Stevens #1 for 40 barrels of oil per day, no water, plus 75,000 cubic feet of natural gas. The field stepout well is producing crude and gas from the Pleasanton formation at site located in the SESE SE of section 25- T26s- R17W. It expands production in the multipay Trousdale West field one-half mile to the west. Well site geologist Kenneth M. LeBlanc called the log top of the Pleasanton at 4369 (-2255 kb). Production comes from acid treated perforations shot from 4369 to 4374 ft. Murfin Drilling tools bottomed the well at a total depth of 4440 ft. Field area lies four miles south and two and one-half miles east of the town of Fellsburg, Kansas.

(9) Coral Production Corporation has discovered oil deposits at an exploratory site located nearly three-quarter mile west of established Lansing-Kansas City oil production in the Scanlon East field in Trego county. New discovery was made at the Hober #17-1, spotted in approximately N/2 N/2 NE of section 17- T11s- R24W, about seven miles northeast of the city of Collyer, Kansas. The well was drilled to explore for reserves in both the LKC and Arbuckle zones. Production information has not been disclosed. Discovery Drilling's Rig #3 was used to drill the well to a total depth of around 4500 ft. The new field has not been named.



**Robert F. Walters Digital Library**  
[www.waltersdigitallibrary.com](http://www.waltersdigitallibrary.com)

## Foundation Video / DVD Collection

### New booklet available!

Just in time for the second semester of school, the Kansas Geological Foundation has come out with a booklet listing DVD's and VCR videos that are in our library and would be of interest to schools, home schooling, and the general public. There are over 300 listings, ranging from dinosaurs to how the earth works and many other topics of scientific interest in between. While there are a few tapes for the very young, the majority are geared for mid-elementary to high school. In the booklet, these tapes are broken down into topics for easy use and are listed as DVD or videos. The tapes are of high quality and have been screened for content. These tapes are of great supplemental use for scientific topics, especially the earth sciences, for teachers, and also would be good for use in the classroom when there is a substitute teacher. While we have more technical tapes, these are not listed in this pamphlet, but a list can be obtained at the Kansas Geological Society.

Use for these videos is not limited to schools. The general public will find much interest in many of the travel and nature videos, as well as many of the geology oriented topics.

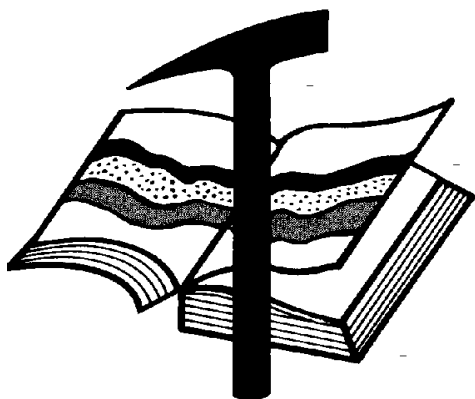
There is no charge for the use of these videos. It is only asked that the videos are returned to us in a timely manner at the borrower's expense, to our office at 212 N. Market, Ste. 100, Wichita, KS 67202. The videos can be checked out by calling 316-265-8676 or stopping by the KGS Library.

Please help promote this collection to your child or grandchild's school.

## **INTERESTED IN BUYING CARD SETS, CABINETS, ETC.??**

*Larry Friend and Ted Jochems  
invite you to submit your e-mail address to an automatic notification list  
when such things come up for sale.*

**Contact: KGS Library  
265-8676**



# Kansas Geological Foundation

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

**212 North Market  
Wichita, Kansas 67202**

A not-for-profit educational and scientific corporation

## GOALS:

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

**PLEASE HELP SUPPORT THE FOUNDATION**

## Kansas Geological Foundation Services

The Kansas Geological Foundation provides the following services as a part of the organization's commitment to educate the public regarding earth science.

### Speaker's Bureau

A list of speakers available to talk about various aspects of geology may be obtained by contacting Janice Bright 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 Janice Bright 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

# Let's recover that oil that is left behind with...

## Chemical Flooding

Recent advances in chemical flooding technology, including new high-performance chemicals, have the potential to recover significant amounts of oil left behind after primary recovery and waterflooding processes. The Tertiary Oil Recovery Project (TORP) at The University of Kansas is conducting research and design work on applications of chemical flooding in Kansas. A grant from the US Department of Energy has boosted TORP's efforts.

Generally more than half of the oil is left in the ground at the end of waterflooding operations due to partial sweep of the reservoir by the water and the residual oil that is left where the water has invaded. Chemical flooding has the potential to displace and produce a significant portion of that remaining oil. A slug of a chemical formulation is injected and displaced through the reservoir. The chemical formulation, which includes surfactants, solvents, polymer and/or alkali, is designed for the particular oil/brine/reservoir rock system. Surfactants in the formulation mobilize the residual oil forming an oil bank which is displaced to production wells. Concentration of polymer is selected to minimize the mixing zone between the chemical slug and the oil bank. Solvents and alkali are added to the chemical formulation to improve the performance of the surfactants. The chemical slug is displaced through the reservoir by a solution containing polymer to minimize mixing, followed by a water drive.

Chemical flooding has performed exceedingly well in the laboratory and a few field trials are underway, but the field performance results are confidential and have not been reported in the literature. A successful, well-documented field trial is key to stimulating interest by oil producers and engaging them with chemical flooding technology. It is TORP's goal to be a partner with a producer in a field project to test the viability of the process in a Kansas reservoir and to provide field performance results to the public.

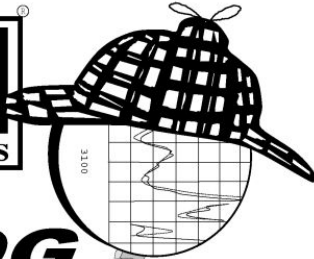
Successful field applications of chemical flooding rely on a high-quality design. Laboratory evaluation to determine an efficient chemical formulation for an oil/brine/reservoir system, and reservoir simulations to predict performance and economic evaluation of the process are key elements of the design. Kansas oil producers are not equipped for this type of design work. This is where TORP, through the DOE project, can provide a service to the industry.

The principal objective of the work conducted by TORP under the DOE grant is to supply the design work for chemical flooding processes that is necessary for oil producers to make an informed assessment for implementation of a pilot or demonstration project. TORP will (1) develop a database of Kansas oil reservoirs that will be used to screen, rate and select reservoirs for study, (2) conduct laboratory testing to design chemical formulations for specific oils/reservoirs, (3) determine field responses to chemical flooding by reservoir simulations, (4) evaluate economics of pilot/demonstration and field applications, and (5) transfer the laboratory, simulation and economic results to oil producers and the greater scientific community through technical papers and presentations.

Government funding for implementation of a demonstration project based on one or more of the designs will be pursued. This would allow an oil operator to apply chemical flooding at a much reduced risk and would also assure public access to the performance data of a field trial.

TORP is presently classifying Kansas reservoirs for their chemical flooding potential. TORP plans to partner with several lease holders in the targeted reservoirs to provide designs for chemical flooding applications. Efficient waterfloods that are near completion are prime candidates. Oil operators that are interested in evaluation of chemical flooding potential for their Kansas leases should contact Mark Ballard [785-864-4491, [markt@ku.edu](mailto:markt@ku.edu)] or Stan McCool [785-864-2914, [mccool@ku.edu](mailto:mccool@ku.edu)] at the Tertiary Oil Recovery Project.





**LOG**  
**Sleuth**  
**2000**  
**AND RASTER IMAGE**  
**WELL LOGS**

**OVER**  
**5 MILLION**  
**LOGS**  
**AVAILABLE**

**1-800-310-6451**

**SALES@MJLOGS.COM**

**CALGARY • DENVER**

**U.S.A.**  
**LOGS FOR:**

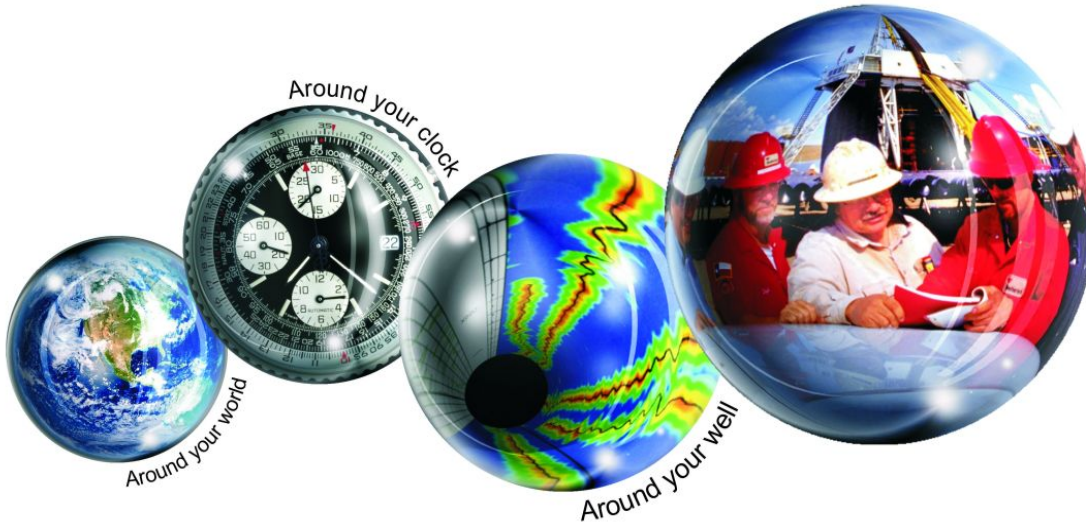
**ALABAMA**  
**ALASKA**  
**ARKANSAS**  
**ARIZONA**  
**CALIFORNIA**  
**COLORADO**  
**FLORIDA**  
**IDAHO**  
**ILLINOIS**  
**INDIANA**  
**KANSAS**  
**LOUISIANA**  
**MICHIGAN**  
**MISSOURI**  
**MISSISSIPPI**  
**MONTANA**  
**NEBRASKA**  
**NEVADA**  
**NEW MEXICO**  
**NORTH DAKOTA**  
**OKLAHOMA**  
**OREGON**  
**SOUTH DAKOTA**  
**TEXAS**  
**UTAH**  
**WASHINGTON**  
**WEST VIRGINIA**  
**WYOMING**

**CANADIAN**  
**LOGS FOR:**

**ALBERTA**  
**BRITISH COLUMBIA**  
**SASKATCHEWAN**  
**MANITOBA**  
**FEDERAL AREAS**

# Kansas Geological Foundation Memorials

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



## All Around You

**Weatherford has always been driven by your needs.**

Now, with the addition of Precision Energy Services we're continuing to build a world of skills, services and technologies that revolve – and evolve – around you.

### The result?

An expanded global network of 25,000 people, 730 service bases and 87 manufacturing facilities in 100 countries.

This increased local knowledge and service is there to support you anywhere, anytime. From midday in the Middle East to midnight in the middle of nowhere.

And with greatly strengthened capabilities in the critical evaluation skills of directional drilling and wireline logging, we can do even more to improve the profitability and productivity of your wells.

To see how our sphere of services can work for you, visit [www.weatherford.com](http://www.weatherford.com) or contact either your Weatherford or former Precision Energy Services representative.

Drilling | Evaluation | Completion | Production | Intervention

© 2006 Weatherford International Ltd. All rights reserved. Incorporates proprietary and patented Weatherford technology.

**CHANGE SERVICE REQUESTED**

KGS BULLETIN  
 January—February 2009

# January 2009

SUN	MON	TUE	WED	THU	FRI	SAT
				1	2	3
		Library Closed— New Years				
4	5	6 Tech Talk	7	8	9	10
11	12	13 KGS Board	14	15	16	17
18	19	20 Tech Talk	21	22	23	24
		Annual Banquet				
25	26	27 Tech Talk	28	29	30	31

# February 2009

SUN	MON	TUE	WED	THU	FRI	SAT
1	2	3 Tech Talk	4	5	6	7
8	9	10 KGS Board	11	12	13	14
15	16	17 Tech Talk	18	19	20	21
22	23	24 Tech Talk	25	26	27	28