



Established 1925

KANSAS GEOLOGICAL SOCIETY

BULLETIN

Volume 84 Number 4

July—August 2009

IN THIS ISSUE

Member Profile:
Ron Irion

Memorial:
Walt DeLozier

Geo Scenes — page 14

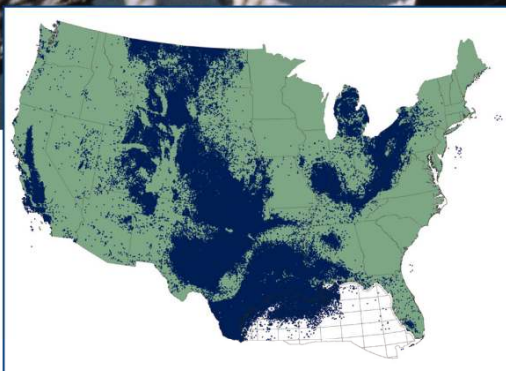
Glimpse of New Digital Software—pages 20-21



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.



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:

Member Profile:

Ron Irion10

Memorial

Walt DeLozier 12

GeoScenes14

Glimpse of New Digital Software20

Departments & Columns:

President's Letter7

From the Manager..... 9

Professional Directory19

Advertiser's Directory17

KGS Tech Talks4

Kansas Geological Foundation24

Exploration Highlights 22

KGF Memorials.....26

ON THE COVER:

Roadcut along the north side of K96-400 highway near Beaumont, at the edge of the Flint Hills escarpment. The lower section of redbeds is within the Speiser Shale (upper Council Grove Group), and these rocks represent stacked paleosols. Overlying this section is a covered section of fossiliferous, initial transgressive marine deposits in the upper part of the Speiser Shale. Above that are progressively deeper-water, cherty marine limestones in the lower part of the Threemile Member of the Wreford Formation (basal Chase Group).

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, 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

Fall 2009

Sept. 15—Alan DeGood— “ The Role Kansas’s Natural Resources Played in the Development of Kansas”

Sept. 22—Ernie Morrison— “Fairport Field: A 120 Mile Step Out”

Sept. 29—Ray Sorenson

Oct. 6—Tom Ostrye

Oct. 20—Robert Henthorne, KDOT

Oct. 27— Norman Hyne—”The Glenn Pool Oil Field & the Start of the Oklahoma Oil Boom”

Nov. 3— Sal Mazzullo, etal—”Mississippian Outcrop-to-Subsurface correlations & Depositional Systems: Implications for Reservoir Prospecting”

Nov. 17 William Morris

Nov. 24—Matt Brueseke, Kansas State -

Dec. 1—Brian Cardott, “History of CBM in Oklahoma”

Dec. 15— Paul Ramondetta

Dec. 22—Dr. Stephen Hasiotis, KU

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.



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-Noel

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 or

Web: www.kgslibrary.com

LIBRARY MANAGER

Rebecca Radford 265-8676

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:

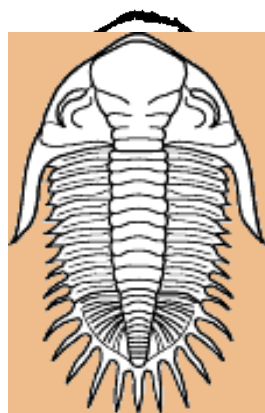
Hays, KS

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

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

Yes—Frank Mize guessed it again—here's a new one!

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



OCTOBER 11-13, 2009
2009aapgmidcon.com

AAPG MID-CONTINENT SECTION MEETING

TULSA MARRIOTT SOUTHERN HILLS

OCTOBER 11-13, 2009

www.2009aapgmidcon.com

Now, in the 21st Century, 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.

Session Topics Include:

- The Woodford Formation
- Applications for 3-D Seismic: Structure, Stratigraphy, & Fracture Identification
- Horizontal Plays in the Mid-Continent: Geologic Opportunities, Drilling and Completion Techniques
- Fractures & Microfractures: Importance to Resource Plays
- Professional Development for Geoscientists: New Hires to Old Hands, Concepts to Completions
- Mid-Continent Petroleum Systems
- Unconventional Technology in Mature Fields
- Shale and Coalbed Reservoirs in the Mid-Continent
- New Oil and Gas Ventures: Dare-Dream-Do
- Geology of the Mid-Continent

Visit us online at

www.2009aapgmidcon.com

for updated technical program, field trip, short courses,
student awards, and sponsorship information!



Registration opens July 1, 2009!

Presented by the Tulsa Geological Society

President's Letter



Greetings to All! Hope that your summer is going well. While the noon technical meetings are in recess for the summer, volunteers in the Society are still hard at work.

Dave Barker and the **Golf Committee** organized a successful golf tournament on June 22nd. This is an important fund raising event for the Society as well as a time to have fun.

John Morrison and the **KGS Nomenclature Committee** in our June meeting recognized 13 new oil and gas fields and revived a previously abandoned field. Twenty-four new fields and 12 new pays were assigned in the May meeting. While drilling has slowed, new oil and gas successes are keeping the committee busy. Discussions in this committee have been expedited by the new interactive oil and gas map developed by Michael Killion at the Kansas Geological Survey. Maps accessed are up to date and identify all oil and gas wells in Kansas in the context of field boundaries and names (maps.kgs.ku.edu/oilgas/index.cfm). Hopefully, the recent upturn in the intents to drill in Kansas (207 intents in May) will result in more work for the committee.

Marj Crane-Noel and her **Picnic Committee** have their sights on the KGS Annual Picnic scheduled for August 14th. Please mark your calendar. Prerequisite is a good appetite.

The **Bob Slamal Memorial Electronic Type Logs Project** is underway this summer.

Twenty dedicated KGS members who cover a broad expertise of Kansas subsurface geology are active in the newly formed project, undertaken in cooperation with the Kansas Geological Survey. Current task is to locate LAS files from newer wells in proximity to those from our last Kansas Type Log volume to establish a baseline. Additional wells will be added and cross sections created to refine and verify the stratigraphic nomenclature and classifications across the state. A CD will be published by the Society containing annotated pdf images of the type logs, cross sections, and accompanying LAS files and stratigraphic nomenclature. Who says that geologists discussing stratigraphy cannot agree?

Before Bob Cowdery took a deserved break this summer from his one man **Continuing Education Committee**, he filled the entire Fall '09 schedule with 12 speakers!

The Society Board endorsed a new project at their June meeting, approving a proposal by Daniel F. Merriam to prepare a new field studies volume called "**Kansas Oil and Gas New Plays and New Ways.**" Dan will serve as a co-editor and is looking for papers (*he has a set of guidelines*) and a co-editor, preferably from the Wichita area. The Board also approved a CD to accompany the new volume containing prior oil and gas field studies published by the Society. Thanks to Dan for organizing this effort!

New programming for the **Walter's Digital Library (WDL)** also continues this summer, a project contracted with Kurt Look and Eileen Jones at the Survey. This wholesale rewrite of existing WinScout and Arquan software is being coined "Scout" recently previewed "live" at AAPG Annual Meeting in Denver. A similar demo scheduled for the Annual KIOGA meeting in Wichita on August 16 and 17th. Features of the beta-version of Scout include: 1) redesign and simplify the "look" and feel including accelerated access and display of data including multiple windows; 2) new methods to download documents and use of other "off-the-shelf" software to print documents; 3) provide a user record of activity to aid in billing 3rd party and to re-access purchased data; 4) fix mislinked data, link new data, and automate transfer of new electronic information from the Kansas Corporation Commission including completion records, well headers, and electronic wireline log data (images and LAS files). The will save staff time and eventually eliminate much of the manual scanning and document linking. We are excited about this new gateway to the WDL. Good things do not come easy, and the WDL software upgrade has been no exception. To be thorough in your data search will mean better prospecting and field development. Please join the ranks of those who are members of the WDL. We thank all those WDL members who have been patient during this software upgrade. An *ad hoc* Walter's Digital Library Advisory Committee will assist the Board in ongoing review of this software prior to an official release at the end of 2009. Our future will be greatly strengthened through an improved electronic presence.

The Society like most of us is feeling the pinch in the economic downturn. Library services are markedly down and the Board is closely watching expenses. We welcome your business and optimism to help get us through this difficult time. Let us know what we can do for you.

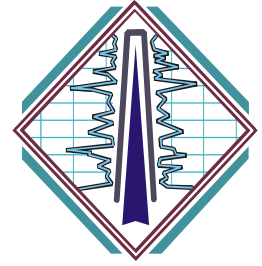
Have a great summer!

Respectfully submitted,

Lynn Watney
President



Robert F. Walters Digital Library View Millions of Documents!



Membership Details

If you are a member in good standing of the Kansas Geological Society Library, you can purchase a yearly membership to the WDL for an additional \$600.00/yr.

If you do not belong or qualify to belong to the KGS library, you can purchase a yearly membership to the WDL for \$1500.00 /yr.

Cost to Download

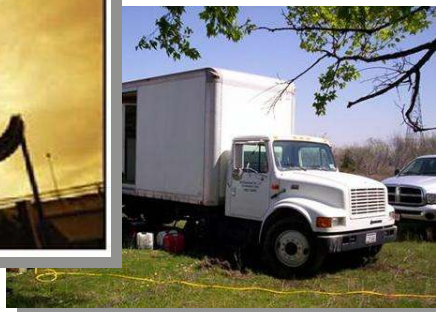
- ◆ Download pages of all document types.....\$.50/page
(with the exception of Independent Scout Cards)
- ◆ Download IOG scout cards\$1.00 / card
- ◆ Download entire document (well log or plotted geo report)\$10.00/document

Membership allows for unlimited viewing

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

Summer is slowly moving along and slow still seems to be the mode most folks are in but everyone keeps saying, “things will be picking up soon.” Let’s hope they are right.

The Society has invested in a new color printer that will print logs and plotted geo-reports in color so I am putting the word out to all of you geologists to consider bringing us your plotted geo files and we can now print your reports out for you. We are working out some bugs with some of the different software that is used to create geo-reports but I feel confident that we can handle your job so please bring that business to us and help support your Society & Library.



We are also moving forward on our new software for the Walters Digital Library. A few of you saw a demo of this in Denver at the AAPG convention. As many of you know, we are working with the Kansas Geological Survey on this software project and we are hopeful to have a completed product by fall-winter 2009. Please look at an example of the software on page 21.

We have a new WSU geology student working in the library this summer, Kyle Day. Please stop in and meet Kyle if you are in the library. He is working in the back reprographics area and is steadily adding new data into our system and paper files. Welcome aboard Kyle.

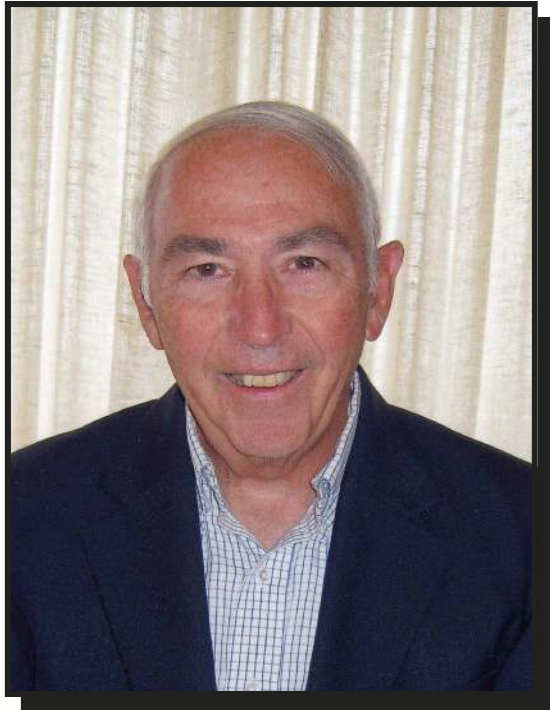
We had a very successful golf tournament again this year and again we owe our thanks to David Barker for heading up this event. We had over 130 golfers and we had lots of sunshine (no rain for a change) and hot temperatures. Thanks to all of our sponsors (listed on page 16) for helping make this event such a great success. And I also want to thank Pat Kane for cooking for us—wow! Good Food!

The next event will be the Annual Picnic. Marjorie Crane-Noel (she just got married!) is the chair again this year. Please see the flyer in this issue and of course, on-line. It will be at All Star Sports West again this year and on Friday, August 14th. That’s the Friday before KIOGA’s annual meeting so hopefully if you are coming into town for KIOGA, you can join us at the picnic.

The KGS will also have a booth at the KIOGA meeting and again at Mid-Continent which is coming up in October in Tulsa.

Stay cool and hopefully we will all be busy!

Rebecca Radford
Manager



Ron was born in Wichita, Kansas on July 1, 1939. Parents were Russell & Mildred Irion. His father operated a Mobil service station. He has a brother, Darryl Irion who resides in Shell Knob, Missouri.

Ron attended Wichita schools graduating from Wichita North in 1957. In 1961 he married Floy Raye Mayer, a North High classmate. They have a son who lives in Long Beach and a daughter who lives in Kansas City.

His interest in Geology was sparked by working as a rough neck during the summer of 1956 for Unit Drilling, who was drilling gas wells in the Bradshaw Gas Field in Hamilton County, Kansas. He felt lucky that the operator did not run many drill stem tests and he was able to leave the rig floor after each tour with all of his fingers and toes.

Ron enrolled at the University of Wichita in 1957 and graduated with a BS in Geology in 1961. Very few major oil companies were hiring geologists without graduate degrees so Ron worked second shift at Boeing and then at Mack Oil as a draftsman while enrolled in Graduate school. He received a MS in 1964. Some of his class mates and all around good guys were Bill Romig, Lloyd Parrish, Don Calvin and Gene Falkowski. He learned a great deal from Calvin Noah who taught Subsurface & Petroleum Geology courses. Bob Harris was the Exploration

Manager for Mack Oil and Jack Maronde was the well site Geologist. Bob introduced Ron to the attributes of Republican conservatism, as he was very active in the Barry Goldwater campaign at the time, and Jack the history and lore of growing up in Russell, Kansas.

Ron's first job as a Geologist was with The Texas Company (now Chevron) in Wichita. Louis Ford was District Geologist and Doug Myers was one of the engineers in the Wichita office. In addition to learning to present prospects to management, also known as "Dog & Pony Shows", Ron learned how to keep overhead expenses low. Ron recounts being the well site geologist on several stratigraphic test wells in central Iowa in the middle of winter and driving, it seemed, the only car in the state without snow tires.

In the summer of 1966 Ron resigned from Texaco and accepted a position with F.I. DuPont, as a stock broker. He was sent to New York City for a 3 month crash course in finance taught by New York University professors. At night Ron and Floy (before kids) enjoyed the NY night life. Ron returned to Wichita for a 7 year career as a financial advisor. During that period, some evenings and most week ends were devoted to subsurface mapping of western Kansas. His first successful exploratory test was a Mississippian prospect in Hodgeman County, which Petroleum Inc. drilled in 1971. It was the discovery well of the Hummel SE pool which is still producing today. Ron said the Borger lease put his two children through the University of Kansas. In 1973 Jay McNeil (District Geologist with Petroleum Inc.) offered Ron a staff position which he accepted. His tenure with Pet. Inc. was not long term, as Energy Reserves Group made an offer that he could not refuse. ERG exposed Ron to risk analysis, which he believes is of critical importance in the oil industry. Ron was subsequently transferred to the newly opened Oklahoma City office and then returned to Wichita two years later as the Kansas Exploration Manager. Several years later he left Energy Reserves Group and went with Rains & Williamson for a short stint. At that time Don Shawver was the Geological Manager, and Ron said it was a great office to work in. As Ron remembers, Don was receptive in most of the prospects that he originated and we always had a good time selling prospects on "road trips". Ron re-

calls being in Denver with Don on a Friday, hitting the slopes at Breckenridge on the weekend and being in the office on Monday morning.

In 1981 Ron formed Sunburst Exploration Company with the financial backing of several fraternity brothers. During the next 6 years Sunburst drilled quite a few wells in Kansas and several in Oklahoma. His geological staff consisted of Maurice Korphage, Chuck Immich and Bob Mathiesen. In addition to being very bright and competent geologists, Ron thought they were terrific employees, although Maurice's dry sense of humor made him pause several times. When oil prices collapsed in the 1986-87 debacle, Sunburst Exploration became inactive, and Ron resumed originating and selling prospects to prior industry partners. He remarked, this arraignment, along with cell phones, fax machines and computers has allowed him to spend time on Table Rock Lake in the summer, and yet remain fairly active as an independent geologist. Ron said originating prospects is as satisfying today as it was 40 years ago and that he would choose the same profession again, but would spend more exploration effort in serendipitous areas. If oil & gas prices recover within the next couple of years, Ron indicated he will still be in a Kansas Geological Library cubical looking at logs, if not, more time will be spent on the water.

After obtaining the best education possible, his advice to geologists just entering the oil & gas business is always remember that their product is a commodity and consequently is extremely cyclical, and that they will experience several boom and bust multi-year periods during their career, such as the current bust period. Don't get in the position to having to say "Lord give me one more chance and this time I won't #S%* it away".



Plan to Attend the KGS Annual Picnic

Friday, August 14th

**All Star Sports West
8333 W. 21st Street**

6:00 PM—Eat, Drink & Mingle

7:00 PM—Bingo!

7:00 PM—10:00 PM Activities with arm band

See Flyer Insert in this issue (on-line—see Events page)

Memorial ————— *Walt DeLozier* —————

With the passing of Walt DeLozier on May 7, 2009 at Lake Havasu City, Arizona, the Kansas Geological Society lost a former, long time manager.

Walt was born in Sapulpa, Oklahoma in 1921. He attended grade school at Liberty School and then graduated from Tulsa Central High School in 1939. While attending Tulsa University he worked in the Exploration Department of Shell Oil Company.

During World War II, Walt served in the Navy as a Machinist Mate First Class on several destroyers, and was stationed in North Africa, Tunisia, Sicily, Salerno-Anzio, and France.

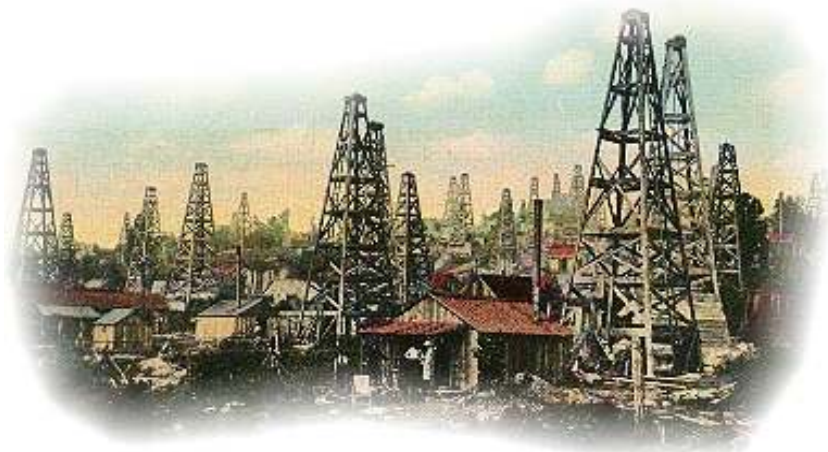
When Harvel White retired, Walt became manager of the Kansas Geological Society in 1970 and at that time the KGS purchased the Kansas Sample Log Service, of which, Walt had been manager. After 18 years of dedicated service, Walt retired in 1988. In 1988, Walt was awarded Honorary Membership in the KGS

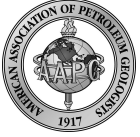


Walt was very active in various organizations involved with bowling, serving the American Bowling Congress as a national Director and he received honorary membership in that organization. He was also President of the Wichita Bowling Association. He was also involved with several Wichita Cosmopolitan Clubs.

He is survived by his wife of 64 years, Domenica (“Mink”), and a daughter, Donna Beth Ewing. Four grandchildren and five great -grandchildren also survive him. A memorial service was held at University Congregational Church on May 28, 2009 which would have been Walt’s 78th birthday

The family has designated the Cosmopolitan Club-Downtown and the Cosmopolitan Club- Air Capital as recipients of memorials to Walt. A memorial has also been established with the Kansas Geological Foundation in his honor.





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
www.geocarebenefits.com

Kansas Geological Foundation Video / DVD Collection

The KGF has an extensive collection
of videos available for check-out
at no charge.

Only pay for shipping back.

These are ideal for classroom or
general public viewing.

See the web for
titles & descriptions
www.kgfoundation.org

Call 316-265-8676
Ask for Janice to check out videos



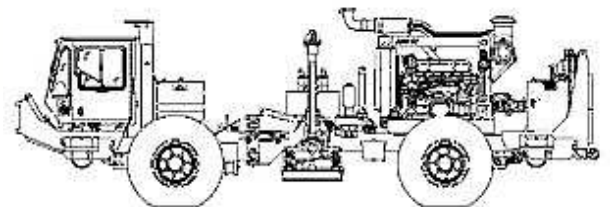
"Setting The New Service Standard"

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
<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



2007 Mid-Continent AAPG Field Trip

In September of 2007 Wichita hosted the annual meeting of the Mid-Continent section of AAPG (American Association of Petroleum Geologists). This event was sponsored by the Kansas Geological Society, and as part of this very successful meeting there was a pre-sessions field trip to view rocks included within the Pennsylvanian (Virgilian) Oread cycle in the southeastern part of the state (see field guide by Yang and Mazzullo, 2007). The trip was co-led by Wan Yang and Sal Mazzullo, both of Wichita State University. The images in Figures 1 and 2 were taken at the first stop on the trip, which was at the Sedan City Lake spillway. Here, field trip participants were able to examine outcrops of (in ascending order) the Snyderville Shale and thin Leavenworth Limestone (Figure 1), and the Heebner Shale and Plattsmouth Limestone (Figure 2).



Figure 1 - Snyderville Shale overlain by thin Leavenworth Limestone (on which people are standing) at the outcrop at Sedan City Lake spillway.

The Snyderville here includes paleosols, and soil glaebules that had been reworked by marine water as transgression inundated the former land surface. The overlying Leavenworth Limestone is a micritic marine limestone that deepens upward from relatively nearshore shallow to more offshore and deeper marine deposits. The approximately 6 ft-thick Heebner is, as at most places in Kansas, very dark gray shale at its base and top and very organic-rich black shale in the middle. A large piece of fossil wood was found just above the basal few inches of the unit here, and (in my opinion) it likely represents a tree that was rafted out to sea and eventually became water-logged and sank into the briny deep. The Snyderville Shale, Leavenworth Limestone, and the approximately lower half of the Heebner represent transgressive systems tract deposits within the Oread section. The middle section of organic-rich black shale in the Heebner represents a condensed section of the deepest-water deposits (otherwise known as *maximum flooding deposits* in sequence-stratigraphic terminology) in the Oread cycle. The Plattsmouth Limestone shallows upward from micritic limestones in its lower part, to fusulinid and phylloid algal-rich limestones at the top of the section (see Figure 2). Hence, the upper half of the Heebner Shale and the Plattsmouth Limestone together represent part of the highstand (regressive) systems tract within the Oread section. These fusulinid and phylloid algal-rich limestones are very porous on the outcrop here, as they locally are in the subsurface. The remainder of the field day was spent examining outcrops of deltaic sandstones within the Oread cycle, and the basal part of the younger (Permian, Wolfcampian) Speiser-to-Wreford cycle within the upper Council Grove Group and lower Chase Group (e.g., see cover photo for this issue).



Figure 2 - Heebner and overlying Plattsmouth Limestone at the outcrop at Sedan City Lake spillway.

Dry Holes

Figure 3 was taken in Riverside Park in Wichita. It seems to me that it suggests that there is a speed limit for dry holes, a seeming fact of law of which I was totally unaware. Nonetheless, I think it's a good idea to have a speed limit for dry holes as we really don't want them careening all over the place.

Reference:

W. Yang and S.J. Mazzullo, 2007, Field trip guidebook – Sedimentology and stratigraphic architecture of Upper Pennsylvanian Oread cyclothem in shelf-to-delta transition zone, SE Kansas and NE Oklahoma, and sedimentology and sequence stratigraphy of Lower Permian Funston Limestone and Speiser Shale Formations (uppermost Council Grove Group) to the basal Thremile Member of the Wreford Formation (basal Chase Group); published by Department of Geology, Wichita State University.

submitted by Sal Mazzullo



Figure 3 - Sign in Riverside Park interpreted to indicate that there is a much-needed speed limit on dry holes.

The Kansas Geological Society Wishes to Thank the Following for Supporting the Golf Tournament

Hole Sponsors

Murfin Drilling Company
Smith Supply, LLC
MV Purchasing, LLC

General Sponsors

American Warrior, Inc.
Chesapeake Energies
CMX, Inc.
Hesse Petroleum Co., Inc.
Jayhawk Oilfield Supply, Inc.
NCRA
Pickrell Drilling Co., Inc.
Superior Well Services, Inc.

Abercrombie Energy, LLC
Allied Cementing Co., Inc.
American Energies Corp.
Baker Petrolite
Basic Energy Services
Bear Tire, Inc./ Gressel Oil Field Service
The Buckeye Corporation
Champion Technologies, Inc.
Clarke Corporation
Cross Bar Energy, LLC
Daystar Petroleum, Inc.
Discovery Drilling
Downing-Nelson Oil Co., Inc.
Dyna-Log, Inc.
Grand Mesa Operating Co.
High Sierra Crude Oil & Marketing
F.G. Holl Company, LLC
Intrust Bank
Lachenmayr Oil, LLC
Lario Oil & Gas Company
Lumen Midstream Partnership, LLC
Martin, Pringle, Oliver, Wallace & Bauer
Maverick Drilling, LLC
McCoy Petroleum Corporation
McDonald Tank Equipment
Gus Messinger

Mid Continent Energy Corp.
MTM Petroleum, Inc.
Mud-Co / Service Mud, Inc.
Mull Drilling Company, Inc.
Oil Producers, Inc. of Kansas
Plains Marketing LP
Range Oil Company
Ritchie Exploration, Inc.
Roberts Resources, Inc.
Kirk Rundle Consulting, LLC
Ron Schraeder
Southwind Drilling, Inc.
Stelbar Oil Corporation
Sunrise Oilfield Supply, Co.
Swift Services, Inc.
Trans Pacific Properties
Val Energy, Inc.
Varel International
Vess Oil Corporation
Vincent Oil Corporation
WW Drilling
White Exploration, Inc.

Anderco, LLC
Baker Hughes
Blackhawk Exploration
Brito Oil Company, Inc.
Coral Coast Petroleum, LLC
Corrision DC, Inc.
Duke Drilling Company
Dunne Equities, Inc.
Eagle Creek Corporation
J. Fred Hambright, Inc.
Log-Tech of Kansas, Inc.
Max-Henry Operating, LLC
National Oilwell
Paragon Geophysical Services
Jon T. Williams, Jr.
Gordon L. Young
Smith Bits
Smith International
Trilobite Testing, LLC

Free To Good Home (or office)

Geophysical Journals
 AAPG Bulletins
 Economic Geology
 Mining Engineering
 Journal of Sedimentary Petrology
 Shale Shakers

Contact: Library 316-265-8676

Microfiche Logs For Sale

The **Kansas Geological Foundation** is offering electric logs and other information on microfiche for sale. This data is from 10 western states. The microfiche will be sold as is, in bulk, by state (no cherry picking).

Prices are proportionate to the number of fiche available (~ 45,000 fiche Wyoming, 20,000 fiche for Montana, Utah, and N. Dakota.)

Prices are firm, you haul or pay for shipping

- Wyoming—\$250.00**
- North Dakota—\$200.00**
- Montana—\$200.00**
- Utah—\$200.00**
- Colorado—\$50.00**
- South Dakota—\$50.00**
- New Mexico—\$50.00**
- Idaho—\$25.00**
- Arizona—\$25.00**
- Oklahoma—\$25.00**

Interested parties call: 316-265-8676



ADVERTISER'S DIRECTORY

	<i>page</i>
Allied Cementing Company, Inc	18
Duke Drilling	18
GeoCare Services AAPG	13
Kansas Geological Foundation	24
Kansas State University	20
Lockhart Geophysical	18
LogSleuth	25
MBC Well logging	18
Murfin Drilling Company, Inc	18
Oneota Resources	22
PARAGON Geophysical Services, Inc	13
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: 2009

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

DUKE

DRILLING COMPANY



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

**Advertise in the Society's
Bulletin**

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

**ALLIED
CEMENTING CO., INC.**

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**

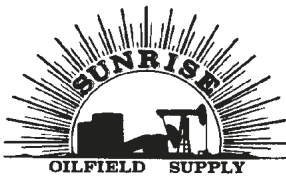
We'll give you seismic excellence

MBC

*WELL LOGGING & LEASING
UNMANNED GAS DETECTORS
MUD LOGGING
CERTIFIED INSTRUMENT TECH
SERVING THE KAN-O-TEC AREA SINCE 1990*

AUSTIN GARNER MARLA GARNER

**24-HOUR PHONE (620) 873-2953
MEADE, KANSAS**



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

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

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

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

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

LANG J. FUQUA
Certified Petroleum Geologist

4201 Tanglewood Ln.
Frisco, Texas 75035

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



KEVIN L. KESSLER

INDEPENDENT/CONSULTING PETROLEUM GEOLOGIST

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

MAILING ADDRESS PHONE
1199 N. PONDEROSA RD. RES.: (316) 522-7338
BELLE PLAINE, KS 67013 MOBILE: (316) 706-6636
EMAIL: KKESSLER1199@AOL.COM

KGJ ENTERPRISES

Contract Oil & Gas Accounting &
Office Management

Kathryn G. James, MBA (316) 775-0954
4278 SW 100th ST. (316) 250-5989
Augusta, KS 67010 kgjames@onemain.com

ROGER L. MARTIN

Independent Petroleum Geologist

501 W. 9th • Winfield, Kansas 67156

Office 316-833-2722 Cell: 316-250-6970

KS Field Cell: 316-655-1227

Home/Fax: 620-402-6301

Email: rogermartingeo@yahoo.com

ALFRED JAMES III

Petroleum Geologist

Kansas - Colorado - Alaska

SIPES #1111

Wichita, Kansas 67202

Off: (316) 267-7592

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
WELLSITE 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



Paul Gunzelman
President/Geologist

Wichita, Kansas 316.634.6026

email p.gun@sbcglobal.net

ROBERT J. GUTRU

Geologist

300 Farmers & Bankers Bldg.

200 East First Street

Wichita, Kansas 67202

Off: (316) 265-3402

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



GeoCertified, LLC
Professional Geological Services
Hydrocarbon Detectors and Geologist Onsite 24/7
Phone: (913) 441-2311 • Cell: (913) 544-7527
www.geocertified.com

BRUCE GOLOB
Geophysical Consultant

- ◆ 3D Seismic Interpretation, Mapping & Depth Conversion
- ◆ Well Log-to-Seismic Integration, Phase Matching
- ◆ Processing / Re-Processing Guidance & QC
- ◆ World-Wide Experience, Kansas Focus

Cell: 303-618-0972 Email: BruceGolob@yahoo.com



PROUDLY ANNOUNCES

ONLINE GRADUATE COURSES

APPLICABLE TOWARD
GRADUATE CERTIFICATES (PENDING)
and M.S. DEGREE in GEOLOGY

Fall 2009:

GEOL 640 *Intro to Geophysics* (3) Dr. Abdelmoneam Raef
GEOL 711 *Water Resources Geochem* (3) Dr. Saugata Datta
GEOL 730 *Petroleum Geology* (3) Dr. Matthew Totten

Winter Intersession 2010:

(To be arranged): *Death Valley Geological Field Trip*
(Pending) *Seismic Data Interpretation: Unconventional Workflows*
(workshop at K-State) (3) Dr. Raef

Information:

KSU Continuing Education: www.dce.ksu.edu
KSU Graduate School: www.ksu.edu/grad
KSU Geology Department: www.ksu.edu/geology
or e-mail George Clark, interim dept. head: <grc@ksu.edu>
or Matt Totten, graduate program director: <mtotten@ksu.edu>

Robert F. Walters Digital Library News

On the opposite page, please see a preview of the new software for the digital library. We will be showing a demonstration of this at KIOGA in August so be sure to stop by the booth. Bullet points highlight some of the changes you will see in this new version. This is a preliminary version and there may be some changes yet to the look and feel.

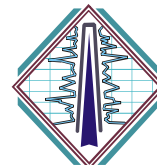
When you have conducted a search, you will see the database of wells. Please notice that you can search for digital documents only or paper and digital well records. We have combined the two databases and therefore, you will be able to see all records in the Kansas Geological Society's paper library, whether or not there is a scanned image. Once you click on a well, you will see the available documents below in thumbnails.

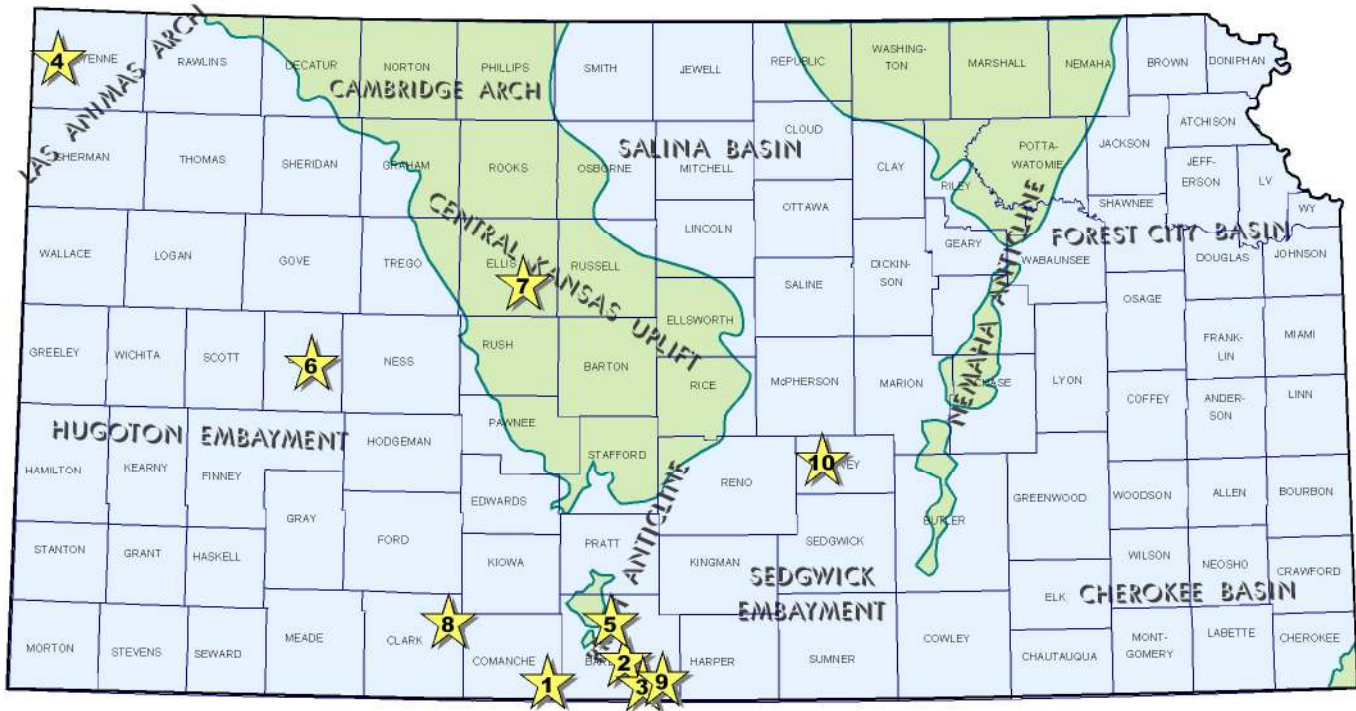
You will notice that the thumbnails are only the header portion of the log. Once you click on the thumbnail, the complete log will load in the window at the right. You will be able to scroll and see the complete log rather than pages of the log.

You will have the option to purchase the entire log as a TIFF file or you can purchase pages. When purchasing pages, you will be able to see the exact part of the log and where the page breaks are. You will also be able to add the header and then go down the log and attach whichever pages you need. This will be downloaded as a PDF or a TIFF file.

You will also be able to open a log or any document in a new window. That will allow you to "park" that window and then go to another document or even to another well and bring up other documents in separate windows.

This is still a work in progress and we will keep updating the information as it develops.





(1) Woolsey Operating Co., LLC has received discovery well status on three recently completed wells in southern Kansas. First, in Comanche county, the #1 Murdock OWWO, SW/4 of section 34- T34s- R16W, is flowing an average in excess of 630 Mcf gas daily from the Mississippian formation. The well has produced nearly 50 million cubic feet of natural gas in the first four months on production. It is a successful re-entry and completion of the #13-34 Murdock originally drilled and plugged at a total depth of 5808 ft. in 1985. The well is a stepout of the Aetna Gas Area field.


(2) In Barber county, Woolsey's #1 Farney A was completed for over 40 barrels of oil per day in the SE/4 of section 34- T33s- R12W. The well found new pay source within the Groendycke (Mississippian oil and gas) field, about eight miles northeast of Hardtner, Kansas. Nearly 3,700 barrels of oil has been recovered from the Misener Sand formation during the first four months on production. In addition,

(3) Woolsey has completed the Lincoln Trust #1 as an infield wildcat producer located over three-quarters mile from established production in the Mayberry North (Lansing-Kansas City, Mississippian oil and gas) field. The well is producing an undisclosed amount of oil and gas from the Mississippian formation. Total depth is 5170 ft.

(4) Rosewood Resources, Inc. has established the Cherry Creek South oil field over one mile southeast of the Rueb Northeast field in Cheyenne county. The R. Walter #34-09A, spotted in the SE/4 of section 9- T3s- R41W, is pumping 10 barrels of oil and 42 barrels of water per day from Lansing-Kansas City perforations from 4644 to 4654 ft. The well was drilled to a total depth of 5440 ft. Production commenced last November.

(5) Roberts Resources, Inc. has discovered new production horizon within the Catlin field in Barber county. They opened the field last year with Lansing-Kansas City oil production. Now production has been established from the Lower Douglas Sand formation from perforations at a depth of 3666 to 3670 ft. The well is completed as flowing 220 Mcf gas daily, no water, naturally. Well site is located in the NW/4 of section 35- T31s- R13W, about seven miles southeast of Lake City, Kansas.

(6) O'Brien Resources, LLC has stepped out over one-half mile from production in the Yowal field to produce 40 barrels of oil and 3 barrels of water per day at the Yost #9-1. Located in the SW/4 of section 9- T18s- R28W, the extension and infield wildcat well discovered pay in the Lansing- Kansas City zone from 4262 to 4268 ft. Production was natural without stimulation. Rotary total depth is 4620 ft. Site lies two miles northeast of Dighton in Lane county.



Oneonta Resources, LLC

Michael Bradley
518 17th Street, Ste 1000
Denver, Colorado 80202 **Specializing in Kansas 3-D Projects**

Phone: 970-222-7530
Fax: 303-374-7912
lonetree9@earthlink.net

(7) Arbuckle oil is being recovered at the rate of 18 barrels daily, no water, by Oil Producers Inc. of Kansas at the Hoffman Trust #1-6, located in the SW/4 of section 6- T14s- R17W. The Ellis county well is producing crude from perforations placed between 3565 to 3580 ft. Total depth is 3580 ft. The Arbuckle formation is a new pay horizon within the Burnham Northeast field. Field area is located just over two miles east of Hays, Kansas.

(8) The Simpson Sand formation is giving up 30 barrels of oil and 10 barrels of water per pay at the Birney #11-3-3 in Clark county. Operated by Diversified Operating Corporation, the well is perforated from 6214 to 6218 ft. Total depth is 6358 ft. Operator selected drill sight in the NW/4 of section 11- T31s- R21W, about one-quarter mile south of established production in the Cavalry Creek field, or fourteen miles northeast of Sitka, Kansas.

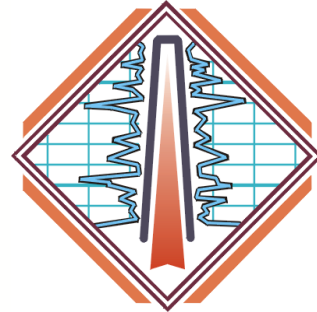
(9) Chieftain Oil Company has successfully completed the #4 Jimmie Mack in Barber county for 210 barrels of oil, 100 barrels of water and 100 Mcf gas daily effective March 1, 2009. Located in the NW/4 of section 21- T34s- R11W, the well further develops the Landis field. Production comes from the Mississippian formation through perforations shot between 4658 to 4688 ft. Rotary total depth is 4819 ft. Well site lies four miles northwest of Kiowa, Kansas.

(10) The new Halstead South gas field has been established in western Harvey county by American Energies Corporation. The gas field was discovered with the completion of the Talbot #1-23, SE/4 of section 23- T23s- R2W, located about one and one-half miles north of the city of Halstead. Operator has completed the well for 200 Mcf gas daily, no water, with pay coming from the Indian Cave Sand in the Admire Group at a perforated depth from 1224 to 1226 ft. The well was drilled to a total depth of 1301 ft.

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

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

***Contact: KGS Library
265-8676***



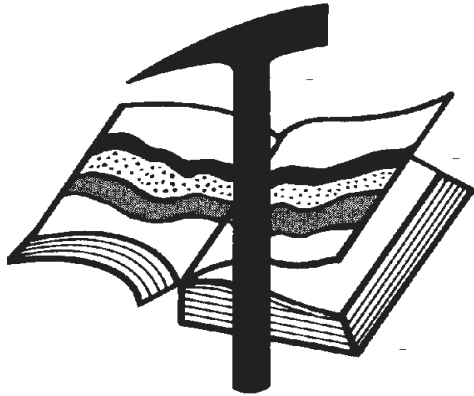
**Robert F. Walters Digital Library
www.waltersdigitallibrary.com**

**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*



Kansas Geological Foundation

Web Site: www.kgfoundation.org

**212 North Market
Wichita, Kansas 67202**

A not-for-profit educational and scientific corporation

GOALS:

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

PLEASE HELP SUPPORT THE FOUNDATION

Kansas Geological Foundation Services

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

Speaker's Bureau

A list of speakers available to talk about various aspects of geology may be obtained by contacting Janice Bright at the KGS Library, 265-8676. This service is free to the public.

DVD/Videotape Library

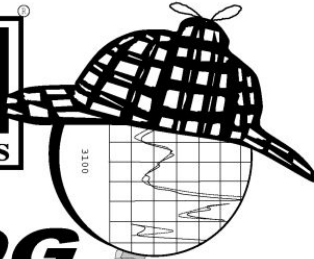
The KGF maintains a DVD & videotape library focused primarily on the various fields of earth science. These tapes may be checked out without charge by the public. To obtain a list of tapes, please contact the KGS Library, 212 N. Market, Ste. 100, Wichita, KS 67202, or call Janice Bright at 265-8676.

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:

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



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



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 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
 July—August 2009



July 2009

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

August 2009

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