IN THIS ISSUE

Memorial:
Don Slawson

It’s Picnic Time
Robert F. Walters Digital Library
The most complete source for Kansas data

Day or Night
You can get to the data as you need it

www.kgslibrary.com

To Join: call 316-265-8676
The Kansas Geological Society Bulletin, which is published bimonthly both in hard-copy and electronic format, seeks short papers dealing with any aspect of Kansas geology, including petroleum geology, studies of producing oil or gas fields, and outcrop or conceptual studies. Maximum printed length of papers is 5 pages as they appear in the Bulletin, including text, references, figures and/or tables, and figure/table captions. Inquiries regarding manuscripts should be sent to Rebecca Radford, manager@kgslibrary.com or mailed to 212 N. Market, Ste. 100, Wichita, KS 67202. Specific guidelines for manuscript submission appear in each issue of the Bulletin, which can also be accessed on-line at the Kansas Geological Society web site at http://www.kgslibrary.com

Table of Contents

Features

Memorial.................................................................25

Departments & Columns:

KGS Tech Talks .........................................................4
President’s Letter ......................................................7
Advertiser’s Directory .................................................8
From the Manager.....................................................9
KGS Board Minutes .................................................10
Professional Directory ..............................................19 & 20
Exploration Highlights ..........................................24 & 25
Kansas Geological Foundation Memorials...................26

ON THE COVER:

Photo taken at a past KGS Picnic. Get ready for another fun evening at All Star Sports West. Bring the kids and grandkids out for some summer fun & games!

CALL FOR PAPERS

The Kansas Geological Society Bulletin, which is published bimonthly both in hard-copy and electronic format, seeks short papers dealing with any aspect of Kansas geology, including petroleum geology, studies of producing oil or gas fields, and outcrop or conceptual studies. Maximum printed length of papers is 5 pages as they appear in the Bulletin, including text, references, figures and/or tables, and figure/table captions. Inquiries regarding manuscripts should be sent to Rebecca Radford, manager@kgslibrary.com or mailed to 212 N. Market, Ste. 100, Wichita, KS 67202. Specific guidelines for manuscript submission appear in each issue of the Bulletin, which can also be accessed on-line at the Kansas Geological Society web site at http://www.kgslibrary.com
Tech Talks will resume in September

For More Information or suggestions of speakers
Please contact Dave Clothier: dave@mccoypetroleum.com

NOTICE!!
NEW Location for Technical Meetings

All KGS technical presentations are held at 12:30 p.m. at the Landmark Square Building, located at 212 N. Market. We have a new meeting room on the 4th floor, up the stairs and at the end of the hallway in the Wisdom Center.

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.

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

www.kgslibrary.com
(For the most information, go to the Tech Talks tab)
KANSAS GEOLOGICAL SOCIETY

BOARD OF DIRECTORS

PRESIDENT
Brian Fisher

SECRETARY
Leah Kasten

DIRECTORS
Dave Clothier
Tim Hellman
Frank Mize

PRESIDENT-ELECT
Frank Mize

ADVISORS
Tom Hansen
Larry Richardson

COMMITTEE CHAIRMEN

Advertising
Kent Scribner

Advisory
Tom Hansen
Larry Richardson
Bob Bayer

Annual Banquet
Paul Ramondetta

Budget Committee
Rebecca Radford

Bulletin
Robert Cowdery

Continuing Education
Dave Clothier

Distinguished Awards
Kent Matson

Environmental
Field Trip
Larry Skelton

Fishing Tournament
Randy Teter

Future Plans
Chuck Brewer

Golf
David Barker

Historian
Larry Skelton

Investment
Paul Ramondetta

Library
Roger Martin
Ted Jochens

Membership
Larry Friend

Nomenclature
John H. Morrison, III

Picnic
Wes Hansen

Public Relations
Robert Cowdery

Shooting Tournament
Larry Richardson

Technical Program
Dave Clothier

Ticket Sales
Bill Shepherd

BULLETIN STAFF

EDITOR
Rebecca Radford—Interim (316) 265-8676

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) 263-7313
Larry Richardson (316) 262-8427

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 2014, 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.

www.kgslibrary.com
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 you see him.

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

We’ve upgraded!!!
We now have a 44” Context Scanner
AND
A 44” Cannon Plotter

Bring in your old maps, we have scanned several and they look great!

Our pricing Special:

Solid color @ $4.00/sq. ft.
Line maps w/color @ $3.00/sq. ft.

www.kgslibrary.com
Dear Members,

Greetings fellow geologists, I hope all of you are enjoying the summer weather. We have had more than enough rain between bouts of hot weather. I just read some good news that the Lesser Prairie Chicken count is on the rise. Being a long time bird hunter we can all hope for all Kansas wildlife to make a rebound with the increase of moisture this year. Reports from the field from the drilling contractors the much needed rains have caused numerous delays in rig moves and the availability of moving trucks. When dry conditions happen – everyone wants to move at the same time.

Recently I have been contacted by several WSU students from Larry Richardson’s Petroleum Class looking for work – if any company still needs summer help you can call me or check with Larry.

The 25th annual Golf Tournament was a great success again. Many thanks to Dave Barker and his golf committee on doing another great job! I checked with Janice and we had at least 153 members register and play this year.

Coming up we have the Annual KGS Picnic on August 15th and the KGS Annual Fishing Tournament on September 12th. Also coming up soon is the 77th Annual KIOGA Convention and meeting on August 17th thru August 19th. Also in September we have the 57th Annual EKOGA and TORP meeting on September 16th through 18th.

This fall the KGS will be putting together a list of speakers for the KGS. If you have any suggestions or would like to give a talk - please contact Dave Clothier or his committee: Hi Lewis, Sonya McDanel or myself. We are also in need of an editor for the Bulletin, at least someone to seek out some good scientific articles. If you have a little extra time, Rebecca will gladly work with you on the “how to” of putting the Bulletin together.

Have a great summer!

Respectfully submitted,
Brian G. Fisher
GRADUATE EDUCATION
for active professionals

Through: Workshops
Leading to: Academic credits
Field Trips: Certificates (pending)
Distance Education: M.S. degree

With specializations in:
- Petroleum Geology
- Groundwater
- Exploration Geophysics
- Environmental Geochemistry

Information:
KSU Continuing Education: www.dce.ksu.edu
KSU Geology Department: www.ksu.edu/geology
KSU Graduate School: www.ksu.edu/grad
or e-mail George Clark, interim dept. head: <gro@ksu.edu>

Log in to
Walters Digital Library
At
www.kgslibrary.com

Log in as our guest
and see the Society's Database
A convenient way to see what
you might want to order!
Call or email your order to:
316-265-8676
frontdesk@kgslibrary.com

ADVERTISER'S DIRECTORY

Allied Cementing Company, Inc 23
American Energies Corp. Nitrogen Rejection 13
Breckenridge Exploration Company 15
Duke Drilling 23
GeoCare Services AAPG 17
GeoSteering 14
Global Geophysical Services, Inc. 15
Kansas Geological Foundation 26
Kansas State University 8
Lockhart Geophysical 23
Lone Star Geophysical Surveys 16
MJ Systems 21
MBC Well logging 23
Murfin Drilling Company, Inc 23
Neuralog 15
PARAGON Geophysical Services, Inc 13
Pratt Well Service 15
Professional Directory 19-20
Sterling Seismic Services 13
Sunrise Oilfield Supply 23
Tomcat Drilling 23
Trilobite Testing 6
Walters Digital Library 2
Weatherford 27
Well Enhancement Services 14

ADVERTISER'S RATES: 2014

<table>
<thead>
<tr>
<th>Size</th>
<th>Full Page</th>
<th>1/2 Page</th>
<th>1/4 Page</th>
<th>1/8 Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 issues</td>
<td>$2,000</td>
<td>$1,000</td>
<td>$600</td>
<td>$300</td>
</tr>
<tr>
<td>3 issues</td>
<td>$1,080</td>
<td>$540</td>
<td>$325</td>
<td>$175</td>
</tr>
<tr>
<td>1 issue</td>
<td>$480</td>
<td>$225</td>
<td>$150</td>
<td>$75</td>
</tr>
</tbody>
</table>

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

What a nice spring and early summer……..if you’re a frog! Really, the rain was much needed and everything is so nice and green, but I know it has played havoc with your drilling schedules. Even so, everyone is staying busy and busy is good.

Your library is gearing up for some major changes. We had an opportunity to get the front space back and we took advantage of that and are presently getting bids to open up and combine the two areas. Our plan is to tear out my office and the wall behind the old scout tickets and that will really open up the library and give us much needed space to expand our files. You will see a photo of our latest water leak from the 2nd floor on page 18 and also photos of some of the front space. We hope this expansion does not cause too much chaos and we plan to stay open during the construction.

We have added another employee since my last letter. Angela Forrest is a recent graduate with her Master’s degree in Geology with emphasis in Environmental, especially interested in water resources. We love having her on-board our staff but we know she is looking for that “perfect job” in her area of interest so if any of you have connections, please keep Angela in mind. In the meantime, please welcome her to our library family.

Upcoming KGS Events: our Annual Picnic will be held on Friday, August 15th back out at All Star Sports West. Also coming up in September, Friday the 12th, is our Annual Fishing Tournament. This is the 30th year for our fishing tournament so I am hoping that we can get at least 30 people to attend! Come on, you know you all love to go fishing!

Respectfully submitted,

Rebecca Radford
Manager
The monthly meeting of the Kansas Geological Society was held on Tuesday, April 14, 2014. President Brian Fisher called the meeting to order at 11:40 AM at the Petroleum Club.

**PRESIDENT'S STATEMENT** – B Fisher welcomed board members/advisors/guests and gave summary of upcoming KGS events and activities. Additionally, the Seismicity Conference is to be held April 16 – B. Fisher and D. Clothier to attend.

**SOCIETY ACTIVITIES/EVENTS/UPDATES**
- A. April 15 – Tech Talk – Mike Pinnell – “Central Utah Thrust Belt Exploration is in its infancy”
- B. April 22 – Dr. Walt Manger – “The Mississippian Lime Play: what have we learned?”
- C. April 22 – Foundation Spring Mixer – 4:00 pm. Speaker Mike Smith, Mixer follows
- D. April 24 – Earth Day at Sedgwick Co Zoo

**APPROVAL OF MINUTES** - The March 14, 2014 minutes were reviewed. Motion was made to approve minutes as written by Tim Hellman, 2nd by Dave Clothier. Motion passed by unanimous vote.

**FINANCIAL REPORT/MANAGERS REPORT**
- A. **Treasurer’s Report** – P. Ramondetta presented the Treasurer’s report for March. He reported interest accrued from CD’s at $750.03 for the month of March, presenting YTD total of $1,046.37 for 2014. D. Clothier moved to accept the Treasurer’s Report, T. Hellman seconded, and the vote carried unanimously.
- B. **Manager’s Report** – R. Radford presented the Manager’s Report for March, 2014. Total income for the month was $72,919.02, with expenditures of $52,166.63, thus generating a net gain of $20,752.39. The year to date gain is, therefore, $17,550.28 The Walters Digital Library report shows current membership of 306 members. The WDL had a net income of $29,096.50 after expenses in March, with year to date income of $62,943.72. New scanner and work stations becoming available to work on completing East Range data entry. Manager’s report was approved.

**OLD BUSINESS**
- A. **Investment Committee** – Committee will continue to meet with 2 more financial advisors.
- B. **Nomenclature Changes** - R. Radford brought up issue of increasing sales for Nomenclature Data by lowering price, since it is now provided electronically. Board determined Library management can make that determination.

**NEW BUSINESS**
- A. **Data Integration Project w/ Foundation** – R. Radford reviewed current 5 year project to integrate Foundation data in the basement into Library data files. Currently, KGS has contributed 4 KGS employees, then Foundation refunds costs at years end. Approx 23% of data so far is actually new to KGS library, so it is enhancing library services. B. Fisher reported that Foundation requested that KGS library take over costs of data integration. Discussion points:
  - Foundation has currently set budget at $20,000 yearly.
  - Currently we give 5% of gross profits to foundation, although recently we have been giving more.
  - Recommend to examine tax benefits and possible liabilities
  - This could be a positive way to re-invest in organization and KGS could take over costs of project
  - No changes to program funding until details examined
- B. **Future Plans Committee** - Committee should be established as standing committee possibly replacing the Building Committee so that it can continue working beyond 1 year of president’s term. B. Fisher appointed Chuck Brewer to chair the Future Plans Committee. Other committee members include Tim Hellman, Paul Gunzelman, and Dave Clothier. B. Fisher will invite another past president to join committee.
- C. **AAPG Delegate Expenses** - In the past, delegates have paid their own way, or paid through company expenditures, although KGS has covered some. D. Clothier suggest offer to pay for delegates for next convention, since we did not send R. Radford or pay for a booth at Houston Convention. No motion needed at this time.
- D. **Maternity Leave** – R. Radford requested additional paid maternity leave for longtime employee, as she was only going to receive 1 week and use vacation time. Motion made by T. Hellman to approve 2 week paid maternity leave for employee. D Clothier 2nd, vote carried unanimously. This is not a policy change as Library Manager has discretion in employee benefits.
E. Expansion of Library data to other states- T. McHenry inquired about the possibility of increasing library data assets to include data from other states. R. Radford brought up proprietary issues and our inability to re-sell purchased data. Maintaining data for research only within library would require more storage space for paper copies.

VIII. ADJOURNMENT
Motion to adjourn made by D, Clothier and seconded by T. Hellman. Meeting adjourned by B. Fisher at 1:38 p.m.

Respectfully submitted, Leah A. Kasten, Secretary

The monthly meeting of the Kansas Geological Society was held on May 14, 2014. Brian Fisher called the meeting to order at 11:40 AM at the Petroleum Club.

Mr. Fisher welcomed board members/advisors/guests and gave summary of upcoming KGS events and activities. Announcement made regarding the resignation of Bob Cowdery as AAPG delegate. New delegate will be appointed.

APPROVAL OF MINUTES - The April 14, 2014 minutes were reviewed. Motion was made to approve minutes as written by Dave Clothier. Motion passed by unanimous vote.

FINANCIAL REPORTS
A. Treasurer’s Report – P. Ramondetta presented the Treasurer’s report for April. He reported interest accrued from CD’s at $296.38 for the month of April, presenting YTD total of $1,342.75 for 2014. Treasurer’s report was unanimously approved.

B. Manager’s Report- R. Radford presented the Manager’s Report for April, 2014. Total income for the month was $73,452.32, with expenditures of $58,672.70, thus generating a net gain of $14,779.20. The year to date gain is, therefore, $32,329.90. The Walters Digital Library report shows current membership of 269 members. The WDL had a net income of $26,080.87 after expenses in April, with year to date income of $89,024.59. Manager’s report was approved.

OLD BUSINESS
A. Investment Committee – P. Ramondetta made a motion stating the intent to eventually transfer $200,000 from KGS’s cash reserves to higher yield investments that may carry some risk. Any new investment, however, would require a new vote from the Board. Motion was passed after some debate.

B. Foundation Integration Project - Foundation President, Robert Stolzle urged a more rapid and efficient effort to integrate donated data, now boxed in the basement, into the KGS library system. He suggested hiring a full time employee to lead effort. He proposed the KGS assume funding and payroll costs of the KGF employees as of January 2015. R. Radford indicated that the Society has contributed $30,000/yr already to this effort. D. Clothier made motion to change the old “understanding” of paying 5% override of “gross” income from the digital library to a 5% of “net” income instead. Further, the Society will assume payroll costs of the data integration. Motion passed after some debate.

NEW BUSINESS
A. Statement of Support for Investigation by Geological Survey into increased seismicity in KS—B. Fisher Proposed that the Society endorse the Kansas Geological Survey’s authority to investigate the perceived increase in earthquake activity across the state and how it might related to oilfield activity.

B. Availability of front office space: Future Plans Committee—D. Clothier made a motion to authorize the Society to take over the attorney’s office space on Market Street, which will soon be vacated. An open hallway will then connect the library with these new offices. Dave will act as agent to negotiate with the landlord, who is expected to pay for the new modifications in the hall. Rent for the new space is expected to be $2000 / month and will be added to our existing lease. Motion passed after some discussion.

C. Upcoming KGS Board meetings – B. Fisher announced that there will be a June Board meeting, but no board meetings in July or August.

D. Insurance for Janice & Rebecca – Frank Mize made a motion to give Rebecca and Janice financial support regarding their Medicare and Dental premium costs. Motion passed.
We had another very successful golf tournament this year out at Terradyne Country Club on Monday, June 30th. We had 162 golfers and even though it was a little windy, it was a beautiful day and all had a great time. Below is a photo of Dave Clothier getting ready to try for the Hole-In-One, Million Dollar prize. He didn’t make the hole-in-one but we all had a good time watching him try for it.

Thanks go out to David Barker for bringing us such a great tournament and to all those companies and individuals who helped to sponsor this event.

---

**KGS Annual Golf Tournament**

The Kansas Geological Society Thanks The Following For Their Support of the Golf Tournament

**Hole Sponsors**
Basic Energy - Cobalt Energy LLC - Gressel Oil Field Service, Inc. - Discovery Drilling
Log-Tech of Kansas, Inc. - Martin Pringle Oliver Wallace & Bauer, LLC
McDonald Tank Equipment - Nabors Completion & Production Service Co.
Pickrell Drilling Co., Inc. - Ritchie Exploration, Inc. - Stelbar Oil Corp.
Sunrise Oilfield Supply - Tomcat Drilling, LLC

**General Sponsors**
Abercrombie Energy, LLC, Baker Petrolite, Bear Tire, Inc., Brito Oil Company,
The Buckeye Corporation, Clark Corporation, CMX, Inc., Downing-Nelson Oil Co., Inc.,
Dyna-Log, Inc., Eagle Creek Corporation, Grand Mesa Operating Co., Wesley Hansen, Headke-Saenger Geoscience, F.G. Holl Co., Lario Oil & Gas Martin, Pringle, Oliver, Wallace & Bauer, LLC,
McCoy Petroleum, McDonald Tank Equipment, Maverick Drilling, LLC, MV Purchasing, National Oilwell, NCRA, Paragon Geophysical Services, Range Oil Company, Kirk Rundle Consulting,
Smith Supply, Trans Pacific Properties, TREK AEC, LLC, Val Energy, Inc., Varel International,
Vess Oil Corp., Vincent Oil Corp.

**Margaritas:** Native Drilling Fluids, LLC  
**Breakfast:** Oil Producers, Inc.  
**Lunch:** Murfin Drilling Company
Providing Quality Seismic Since 1993

Visit our website at www.paragongeo.com

3500 N. Rock Rd., Bldg. 800, Wichita, KS  67226  316-636-5552
paragon@paragongeo.com

Experience, Integrity, Innovation...

S E I S M I C  S E R V I C E S ,  L T D.

www.sterlingseismic.com

Renegade Seismic Studio Refraction Statics
Z-White Spectral Enhancement
Tsunami Pre-Stack Time Migration

Projects from one square mile “Postage Stamp” 3Ds to the 1,100 square mile nine
3D merge through PSTM we completed in 2006, no project is too small or too big.
All projects are given the same attention to detail that we have become known for.

Structural or stratigraphic, we’ve got the experience
to provide you with a superior dataset.

303-347-9011

www.kgslibrary.com
Well Enhancement Services, LLC is jetting laterals utilizing new technology and coiled tubing. We now have the ability to place hundreds of gallons of acid hundreds of feet away from the well bore. This allows us to not only enhance existing production but to produce reserves previously unreachable. It has 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.

WOULD YOU LIKE TO INCREASE YOUR PRODUCTION AT A FRACTION OF THE COST OF HORIZONTAL DRILLING?

“Tap into success…..with WES”

Please Contact Us:

Phone: (785) 625-5155
Fax: (785) 625-4151
Field: (785) 259-4638
wesofhays@hotmail.com
Box 87, Schoenchen, KS 67667

www.GeoSteering.com
281-573-0500
info@geosteering.com

Free introductory consultation with modeling: let us demonstrate whether images or propagation resistivity could add value to your well.

Personnel with degrees & 20+ years of oilfield experience

Proprietary software

TST interpretation for GR only jobs

Image displays / interpretation for jobs with azimuthal GR, resistivity or density

Resistivity modelling / interpretation for jobs with LWD propagation resistivity

Real-time (always)
PRODUCTION FOCUSED SEISMIC

Global’s E&P Services translates seismic images and attributes into meaningful knowledge to improve your bottom line finding and development costs. We integrate seismic, microseismic, well logs, core data, petrophysical analyses, completion information, and production data to help optimize all phases of your E&P execution in both conventional and unconventional reservoirs.

Global Geophysical Services, Inc.
13927 S. Gessner Road • Missouri City, TX
tel +1 713-972-9200
www.globalgeophysical.com

SEISMIC ACQUISITION

Check us out at www.breckex.com

Breckenridge Exploration Co., Inc.
Highway 180 E
P.O. Box 789
Breckenridge, TX 76424
Bus: (254) 559-7566

Denver Colorado Office
600 17th Street, Ste. 2800 S
Denver, Colorado 80202-5428
Bus: (303) 563-5301
Mob: (254) 559-0587

Sensible Seismic Acquisition in the Mid-Continent and the Rockies

Neuralog
Bryan Mills
Regional Sales Manager

Solutions for Today’s Geoscientists
• Scan, Print & Digitize - Logs & Maps
• Geological Interpretation
• Master E&P Data Management

1.281.240.2525
bmills@neuralog.com • www.neuralog.com

PRATT WELL SERVICE INC.
Complete Well Service

Since 1946
P.O. Box 677
Pratt, Kansas 67124

- Experienced Crews - Rod & Tubing Service - Workover & Completions - Swab Tanks - Pole Masts-Single and Double Derrick - Air Foam Unit - Monitor & Water Well Drilling - Reverse Circulating Pump & Power Swivel Equipment - Statewide Difficult Hauling - Environmental Cleanup - Vacuum Trucks/Water Trucks - Dirtwork-Dozers, Grader, Backhoe - Hydrovac Excavation Service - Cleaning cattle guards - Mud tank cleaning - Pumping - Trenching - Pipeline Crossings

Call us 24 Hours A Day
Equipment yard & field office:
1 3/4 miles North on Highway K-61 from 54 & K-61 Junction

1-800-880-7974
Fax: 620-672-6922
Member KGSA / AESC

www.prattwell.com

www.kgslibrary.com
It’s Real Simple. It’s Real Effective.

Locating every last drop.

Superior Seismic Acquisition System
Data Recording 2D, 3D, 4D & VSP
AHV-IV™ Commander 364
Permitting Services
HSE Management System

Submit a bid request online:

www.lstargeo.com

441 So. Fretz Avenue Edmond, Oklahoma 73003 (O) 405.726.8626 (F) 405.285.8521
lsgs1@lstargeo.com

www.kgslibrary.com
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 9159
Phoenix, AZ 85068-9159
800-337-3140
E-mail: geocarebenefits@agia.com
www.geocarebenefits.com

The KGS Library is pleased to announce a new service

Creating LAS files from our logs or yours

$20.00 per curve!!

Quick turn-around

Send us your log file or tell us which of ours you would like converted.

316-256-8676

Some things never change!

The Kansas Geological Society maintains its ownership and copyright when converting library log files to LAS

www.kgslibrary.com
Another water leak from 2nd floor

Over Memorial Day weekend, we had another water leak in the library. Luckily one of our WSU students was working and discovered it and called me at home. This leak came from the 2nd floor hot water heater. No files were ruined but the carpet sure got stained.

The good news is that we are taking over the front space in the building and when we start moving things around, we will make sure nothing sits under that spot again as we have had several leaks come from that area. We know there are toilets, sinks and hot water heater right above us in that area so I will make sure we keep the data out of harms way as much as possible. Below are some photos of the new area up front. We will be tearing out the manager’s office and the offices on the other side and open the library up. This will allow us a lot more floor space to have data available. Also a nice new conference room and 3 front offices with windows to the outside world!
We Invite You To join

Kansas Geological Foundation

$50.00 membership is tax deductible

Call 316-265-8676

Or send checks to:
Kansas Geological Foundation
212 N. Market, Ste. 100
Wichita, KS 67202

The Following Are For Sale

Kansas Completion Cards:
Several sets (call for more information)

Oklahoma Completion Cards:
2 sets—entire state

Nebraska Completion Cards—West ranges

New Mexico Completion Cards

North Dakota Completion Cards

Utah Completion Cards

Microfiche Electric Logs

Kansas

Oklahoma

Texas

Geological Office Furniture:

• 8-drawer completion card cabinets—21 available
• 7-drawer cabinets—10 available
• Map cabinets—metal—2 available
• Map racks—different sizes—6 available

Call: 316-265-8676
Ask for Ted

Next KGS Event
The Family Picnic!!
All Star Sports West
Friday Night, August 15th

Geotech & Design Services
7171 Highway 6 North, #202
Houston, Texas 77095
Data digitizing, drafting & computer graphics

Tel: (281) 858-7100
Fax: (281) 500-8534
heather.wilson@geotechmap.net

Heather Wilson
Account Manager
www.geotechmap.net
Coming Soon

KGS Fishing Tournament

Friday, September 12th

Pratt County Fishing Lake

Registration flyer in this issue
(On-Line: Go to Events Tab)

NOMENCLATURE

The Society Nomenclature committee has changed the way we produce the new field information.

We are now able to email out the updates of fields for a nominal cost to the subscriber. The old cost was $250.00 per year to receive the 4x6 cards. We now have moved to an excel spreadsheet of fields which is much easier to update and can be emailed out to subscribers. The cost is now $100.00 per year for a subscription.

If interested, please call Rebecca at the KGS Library.
316-265-8676
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

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.
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

WELL LOGGING & LEASING

Acidizing Available at Medicine Lodge District

Russell
(785) 483-2627

Oakley
(785) 672-3452

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

MUD LOGGING

CERTIFIED INSTRUMENT TECH

AUSTIN GARNER

24-HOUR PHONE (620) 873-2953
MEADE, KANSAS
1 • **Lasso Energy LLC**, Chase (KS), has established a the Ingalls Northwest oil field in western Gray County with the completion of their 2 Renick (API 15-069-20460). Located in the SE NW NE of section 19- T25s- R29W, the wildcat well found oil deposits in both the Cherokee and Mississippian formations. Completion details are confidential. Fossil Drilling tools bottomed the well at a total depth of 5206 ft. Operator explored nearly one and one-quarter miles west of closest known production in the Ingalls field (est. 1986, Marmaton, Arbuckle oil), or one and one-quarter miles east of the town of Charleston, Kansas.

2 • **Red Oak Energy, Inc.**, Wichita (KS), is producing an undisclosed amount of crude oil at a wildcat test in Logan County, located about four and one-quarter miles south of Oakley, Kansas. The 1-35 Rohleder Trust (API 15-109-21228), spotted in the SW NW NE of section 35- T11s- R32W, was drilled to a total depth of 4745 ft. The wildcat well found new Lansing-Kansas City oil reservoir one and one-half miles east of the recently established Hockersmith field in the NW/4 of section 34, which was discovered by New Gulf Operating LLC earlier this year. The new oil field has been named Sky Chief Northwest.

3 • **McElvain Energy, Inc.**, Denver (CO), has opened the Firefly oil field in the southeast corner of Graham County - a little over one-half mile north of the Trego County line. The discovery well, 31-8 Walz (API 15-065-23995), was drilled to a total depth of 4000 ft in the SE SE NE of section 31- T10S- R21W, about seven miles south and seven miles west of Palco, Kansas. VAL Energy drilling rig was used. Discovery site lies one and one-half miles west of established production in the Noah Southwest field (est. 1954, Marmaton, Arbuckle oil). Closest LKC production in the area is located nearly one and one-half miles to the north in the Grecian field, which has given up over 58,000 barrels of oil since 1979 from a depth around 3500 ft.

4 • **TAOS Resources Operating Company LLC**, Houston (TX), has a new oil discovery in Cowley County, south-central Kansas. The 1 Girod (API 15-035-24553), located in the NW NW NE of section 17- T32s- R7E, has been placed on the pump making an undisclosed amount of oil from perforations made in the Lansing-Kansas City formation. Wellsite is situated slightly over one mile southwest of oil production within the School Creek Northwest field (est. 1947, Cherokee, LKC - Cleveland Sand oil), and is about three and one-half miles southwest of the town of Cambridge, Kansas. Rotary total depth was ceased at 3450 ft. Completion details are unknown. The new field is named the Sundance field.

5 • **OXY USA**, Houston (TX), is pumping an estimated 80+ barrels of oil per day from the Mississippian (Saint Louis) formation at the 1 Staley A (API 15-055-22217), located in the NW SW SW of section 27- T25s- R32W, in Finney County. The wildcat test and Staley Southeast pool opener is located about two miles south and seven miles west of Pierceville, Kansas. Aztec Well Servicing Company tools
bottomed the well at a total depth of 5162 ft. The well has produced nearly 17,000 barrels of crude during its first six months on the pump.

6 • American Warrior, Inc., Garden City (KS), has explored nearly five miles north of the Beach field (est. 1979, Mississippian oil) and to discover new Mississippian oil reserves at the 1-2 Clark (API 15-055-22284) in Finney County. Located about one and one-half miles north of the town of Pierceville, the wildcat well is producing oil from the Saint Louis zone. Duke Drilling tools drilled the well to a total depth of 5050 ft in the NW NE SE of section 2- T25s- R31W. Completion details are not available. The new field has been named the Pierceville field.

7 • Phillips Exploration Company LLC, Andover (KS), is pumping 25 barrels of oil and 30 barrels of water per day at its 1-21 Gaither (API 15-195-22887) wildcat test in Trego County. The new unnamed pool discovery well is producing 38 degree gravity crude from Mississippian perforations shot from 4198 to 4201 and 4205 to 4216 ft. Log top of the Mississippian was called by wellsite geologist Patrick J. Deenihan at 4198 (-1872 kb). Rotary total depth was stopped at 4300 ft. Well is located in the C SE NE of section 21- T14s- R24W, or about thirteen miles south and five miles west of Wakeeney, Kansas. Closest producing oil field in the vicinity of the new find lies over two and one-half miles to the west in the Hackberry field (est 2009, Mississippian oil). The new field has been named the Yep field.

8 • M & M Exploration, Inc., Broomfield (CO), is flowing 300 Mcf gas daily from Cherokee Sand at a depth from 4560 to 4565 ft in Harper County. The 1-5 Williams - Misak OWWO (API 15-077-21652), spotted in the SE SE SE of section 5- T35s- R5W, establishes a new source of supply within the Willtex Northwest field - a field discovered by M & M Exploration established in October, 2008. The field previously only produced oil and gas from the Mississippian and Simpson Sand formations. Operator originally drilled and completed the 1-5 Williams - Misak in June, 2009 for 22 barrels of oil and 65 Mcf gas daily from Mississippian perforations between 4976 to 5084 ft. Total depth is 5300 ft. Field area is located about three miles south of Bluff City, Kansas.

Memorial — Don Slawson

With the passing of Don Slawson on July 7th, the Kansas Oil Industry lost its most prominent member. Don was a lifelong resident of the state. He graduated from East High School and then attended the University of Kansas where he was a member of Delta Upsilon fraternity. Don graduated from KU in 1955 with a major in Political Science and a minor in Geology. In that year he married his college sweetheart Judy Garver. To this union were born three children, Steve of Oklahoma City, Craig of Denver and Todd also of Denver. He is also survived by 5 grandchildren.

In 1957, Don founded Slawson Oil Company, a company that now has over 950 employees and operates in Kansas, Colorado, Oklahoma, Texas and North Dakota. It has been very prominent in the development of the Bakken Shale production and helped to place North Dakota currently as the third largest daily producer in the United States.

Among Don’s petroleum related activities were two terms on the National Petroleum Council. Don has been very prominent in educational activities in the state of Kansas including two terms on the Kansas Board of Regents and was its chairman from 1987 to 1993.

Memorials have been established with the Sedgwick County Zoo Elephant Exhibit, 5555W. Zoo Blvd., Wichita, KS. 67212 and Alzheimer’s Association, Central and Western Kansas Chapter, 1820 E. Douglas, Wichita, KS., 67214
<table>
<thead>
<tr>
<th>KGS Member</th>
<th>Date Deceased</th>
<th>Memorial Est.</th>
<th>KGS Member</th>
<th>Date Deceased</th>
<th>Memorial Est.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dan Bowles</td>
<td>09/89</td>
<td>1990</td>
<td>Edward B. Donnelly</td>
<td>08/01</td>
<td>2001</td>
</tr>
<tr>
<td>John Brewer</td>
<td>10/89</td>
<td>1990</td>
<td>Richard P. Nixon</td>
<td>02/02</td>
<td>2002</td>
</tr>
<tr>
<td>George Bruce</td>
<td>08/89</td>
<td>1990</td>
<td>Robert W. Frensley</td>
<td>12/01</td>
<td>2002</td>
</tr>
<tr>
<td>Robert Gehhart</td>
<td>01/90</td>
<td>1990</td>
<td>Gerald W. Zorger</td>
<td>01/02</td>
<td>2002</td>
</tr>
<tr>
<td>Ray Anderson, Jr.</td>
<td>11/90</td>
<td>1990</td>
<td>Don L. Calvin</td>
<td>03/02</td>
<td>2002</td>
</tr>
<tr>
<td>Harold McNeil</td>
<td>03/91</td>
<td>1991</td>
<td>Claus Sheats</td>
<td>02/02</td>
<td>2002</td>
</tr>
<tr>
<td>Millard W. Smith</td>
<td>08/91</td>
<td>1991</td>
<td>Merle Britting</td>
<td>2002</td>
<td></td>
</tr>
<tr>
<td>Clinton Engstrand</td>
<td>09/91</td>
<td>1991</td>
<td>Harold Trapp</td>
<td>11/02</td>
<td>2002</td>
</tr>
<tr>
<td>James &amp; Kathryn Gould</td>
<td>11/91</td>
<td>1991</td>
<td>Elwyn Nagel</td>
<td>03/03</td>
<td>2003</td>
</tr>
<tr>
<td>E. Gail Carpenter</td>
<td>06/91</td>
<td>1993</td>
<td>Robert Noll</td>
<td>09/03</td>
<td>2003</td>
</tr>
<tr>
<td>Benton Brooks</td>
<td>09/92</td>
<td>1992</td>
<td>Benny Singleton</td>
<td>09/03</td>
<td>2003</td>
</tr>
<tr>
<td>Robert C. Armstrong</td>
<td>01/93</td>
<td>1993</td>
<td>Jay Dirks</td>
<td>2003</td>
<td></td>
</tr>
<tr>
<td>Nancy Lorenz</td>
<td>02/93</td>
<td>1993</td>
<td>J. Mark Richardson</td>
<td>02/04</td>
<td>2004</td>
</tr>
<tr>
<td>Robert W. Watchous</td>
<td>12/93</td>
<td>1993</td>
<td>John “Jack” Barwick</td>
<td>02/01</td>
<td>2004</td>
</tr>
<tr>
<td>J. George Klein</td>
<td>07/94</td>
<td>1994</td>
<td>Richard Roby</td>
<td>03/04</td>
<td>2004</td>
</tr>
<tr>
<td>Harold J.C. Terhune</td>
<td>01/95</td>
<td>1995</td>
<td>Ruth Bell Steinberg</td>
<td>2004</td>
<td></td>
</tr>
<tr>
<td>Carl Todd</td>
<td>01/95</td>
<td>1995</td>
<td>Gordon Keen</td>
<td>03/04</td>
<td>2004</td>
</tr>
<tr>
<td>Don R. Pate</td>
<td>03/95</td>
<td>1995</td>
<td>Lloyd Tarrant</td>
<td>05/04</td>
<td>2004</td>
</tr>
<tr>
<td>R. James Gear</td>
<td>05/95</td>
<td>1995</td>
<td>Robert J. “Rob” Dietterich</td>
<td>08/96</td>
<td>2004</td>
</tr>
<tr>
<td>Vernon Hess</td>
<td>06/95</td>
<td>1995</td>
<td>Mervyn Mace</td>
<td>12/04</td>
<td>2004</td>
</tr>
<tr>
<td>E. K. Edmiston</td>
<td>06/95</td>
<td>1995</td>
<td>Donald Hoy Smith</td>
<td>04/05</td>
<td>2005</td>
</tr>
<tr>
<td>Jack Rine</td>
<td>07/95</td>
<td>1995</td>
<td>Richard M. Foley</td>
<td>06/05</td>
<td>2005</td>
</tr>
<tr>
<td>Lee Cornell</td>
<td>08/95</td>
<td>1995</td>
<td>Wayne Brinegar</td>
<td>06/05</td>
<td>2005</td>
</tr>
<tr>
<td>John Graves</td>
<td>10/95</td>
<td>1995</td>
<td>Charles B. Moore</td>
<td>09/96</td>
<td>2005</td>
</tr>
<tr>
<td>Wilson Rains</td>
<td>10/95</td>
<td>1995</td>
<td>Jack Heathman</td>
<td>05/06</td>
<td>2006</td>
</tr>
<tr>
<td>Heber Beardmore, Jr.</td>
<td>09/96</td>
<td>1996</td>
<td>Charles Kaiser</td>
<td>09/06</td>
<td>2006</td>
</tr>
<tr>
<td>Elmer &quot;Lucky&quot; Opfer</td>
<td>12/96</td>
<td>1996</td>
<td>Rod Sweetman</td>
<td>08/06</td>
<td>2006</td>
</tr>
<tr>
<td>Raymond M. Goodin</td>
<td>01/97</td>
<td>1997</td>
<td>Karl Becker</td>
<td>10/06</td>
<td>2006</td>
</tr>
<tr>
<td>Donald F. Moore</td>
<td>10/92</td>
<td>1997</td>
<td>Frank Hamlin</td>
<td>10/06</td>
<td>2006</td>
</tr>
<tr>
<td>Gerald J. Kathol</td>
<td>03/97</td>
<td>1997</td>
<td>Marvin Douglas</td>
<td>12/06</td>
<td>2006</td>
</tr>
<tr>
<td>James D. Davies</td>
<td>08/88</td>
<td>1997</td>
<td>Robert W. Hammond</td>
<td>04/07</td>
<td>2007</td>
</tr>
<tr>
<td>R. Kenneth Smith</td>
<td>04/97</td>
<td>1997</td>
<td>Eldon Frazezy</td>
<td>04/07</td>
<td>2007</td>
</tr>
<tr>
<td>Robert L. Dilts</td>
<td>05/97</td>
<td>1997</td>
<td>Pete Amstutz</td>
<td>05/07</td>
<td>2007</td>
</tr>
<tr>
<td>Delmer L. Powers</td>
<td>06/72</td>
<td>1997</td>
<td>Charles Spradlin</td>
<td>05/07</td>
<td>2007</td>
</tr>
<tr>
<td>Arthur (Bill) Jacques</td>
<td>01/98</td>
<td>1998</td>
<td>Vincent Hiebsch</td>
<td>11/07</td>
<td>2007</td>
</tr>
<tr>
<td>Bus Woods</td>
<td>01/98</td>
<td>1998</td>
<td>Glen C. Thrasher</td>
<td>03/08</td>
<td>2008</td>
</tr>
<tr>
<td>Frank M. Brooks</td>
<td>03/98</td>
<td>1998</td>
<td>Peg Walters</td>
<td>06/08</td>
<td>2008</td>
</tr>
<tr>
<td>Deane Jirrels</td>
<td>05/98</td>
<td>1998</td>
<td>Earl Brandt</td>
<td>04/09</td>
<td>2009</td>
</tr>
<tr>
<td>Ann E. Watchous</td>
<td>08/98</td>
<td>1998</td>
<td>Don D. Strong</td>
<td>01/10</td>
<td>2010</td>
</tr>
<tr>
<td>Charles W. Steincamp</td>
<td>02/99</td>
<td>1999</td>
<td>John Stone</td>
<td>02/10</td>
<td>2010</td>
</tr>
<tr>
<td>Robert and Betty Glover</td>
<td>10/96</td>
<td>1998</td>
<td>Craig Caulk</td>
<td>03/10</td>
<td>2010</td>
</tr>
<tr>
<td>Howard E. Schwerdtfeger</td>
<td>11/98</td>
<td>1998</td>
<td>Joseph E. Moreland, Jr.</td>
<td>03/10</td>
<td>2010</td>
</tr>
<tr>
<td>W. W. &quot;Brock&quot; Wakefield</td>
<td>03/99</td>
<td>1999</td>
<td>Gene Garmon</td>
<td>03/10</td>
<td>2010</td>
</tr>
<tr>
<td>V. Richard Hoover</td>
<td>01/00</td>
<td>2000</td>
<td>James F. Dilts</td>
<td>05/10</td>
<td>2010</td>
</tr>
<tr>
<td>Warren E. Tomlinson</td>
<td>01/00</td>
<td>2000</td>
<td>Jerry Pike</td>
<td>05/10</td>
<td>2010</td>
</tr>
<tr>
<td>James A. Morris</td>
<td>01/00</td>
<td>2000</td>
<td>Donald Hollar</td>
<td>06/10</td>
<td>2010</td>
</tr>
<tr>
<td>Eric H. Jager</td>
<td>03/00</td>
<td>2000</td>
<td>Delbert Costa</td>
<td>08/10</td>
<td>2010</td>
</tr>
<tr>
<td>Kenneth W. Johnson</td>
<td>03/00</td>
<td>2000</td>
<td>John Tanner</td>
<td>08/10</td>
<td>2010</td>
</tr>
<tr>
<td>Dean C. Schaake</td>
<td>03/00</td>
<td>2000</td>
<td>William (Bill) Owen</td>
<td>09/10</td>
<td>2010</td>
</tr>
<tr>
<td>Fred S. Lillybridge</td>
<td>05/00</td>
<td>2000</td>
<td>Harold (Hal) Brown</td>
<td>10/10</td>
<td>2010</td>
</tr>
<tr>
<td>Jerry A. Langrehr</td>
<td>07/00</td>
<td>2000</td>
<td>Edmund G. Lorenz</td>
<td>11/10</td>
<td>2010</td>
</tr>
<tr>
<td>Clark A. Roach</td>
<td>07/00</td>
<td>2000</td>
<td>Thomas E. Black</td>
<td>05/11</td>
<td>2011</td>
</tr>
<tr>
<td>Floyd W. “Bud” Mallonee</td>
<td>10/00</td>
<td>2000</td>
<td>Wayne E. Walcher</td>
<td>07/11</td>
<td>2011</td>
</tr>
<tr>
<td>Ralph W. Ruwee</td>
<td>09/00</td>
<td>2000</td>
<td>Henry F. Filson</td>
<td>07/11</td>
<td>2011</td>
</tr>
<tr>
<td>Robert L. Slamat</td>
<td>02/01</td>
<td>2001</td>
<td>Thomas Ray</td>
<td>07/11</td>
<td>2011</td>
</tr>
<tr>
<td>Jerold E. Jesperson</td>
<td>06/01</td>
<td>2001</td>
<td>Edgar E. Smith</td>
<td>09/11</td>
<td>2012</td>
</tr>
<tr>
<td>William A. Sladek</td>
<td>06/01</td>
<td>2001</td>
<td>Marilyn Messinger</td>
<td>06/13</td>
<td>2013</td>
</tr>
<tr>
<td>Harlan B. Dixon</td>
<td>06/01</td>
<td>2001</td>
<td>Michael Mitchell</td>
<td>09/13</td>
<td>2013</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Orvie Howell</td>
<td>11/13</td>
<td>2013</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>James Thompson</td>
<td>11/13</td>
<td>2013</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Dick Rowland</td>
<td>09/13</td>
<td>2014</td>
</tr>
</tbody>
</table>
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.
KGS BULLETIN
July-August 2014

July 2014

<table>
<thead>
<tr>
<th>Sun</th>
<th>Mon</th>
<th>Tue</th>
<th>Wed</th>
<th>Thu</th>
<th>Fri</th>
<th>Sat</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1</td>
<td>2</td>
<td>3</td>
<td></td>
<td>4 Library Closed 5</td>
</tr>
<tr>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>10</td>
<td>11</td>
<td>12</td>
</tr>
<tr>
<td>13</td>
<td>14</td>
<td>15</td>
<td>16</td>
<td>17</td>
<td>18</td>
<td>19</td>
</tr>
<tr>
<td>20</td>
<td>21</td>
<td>22</td>
<td>23</td>
<td>24</td>
<td>25</td>
<td>26</td>
</tr>
<tr>
<td>27</td>
<td>28</td>
<td>29</td>
<td>30</td>
<td>31</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

August 2014

<table>
<thead>
<tr>
<th>Sun</th>
<th>Mon</th>
<th>Tue</th>
<th>Wed</th>
<th>Thu</th>
<th>Fri</th>
<th>Sat</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
</tr>
<tr>
<td>10</td>
<td>11</td>
<td>12</td>
<td>13</td>
<td>14</td>
<td>15 KGS Picnic 16</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>18</td>
<td>19</td>
<td>20</td>
<td>21</td>
<td>22</td>
<td>23</td>
</tr>
<tr>
<td>24</td>
<td>25</td>
<td>26</td>
<td>27</td>
<td>28</td>
<td>29</td>
<td>30</td>
</tr>
<tr>
<td>31</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>