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KANSAS GEOLOGICAL SOCIETY

BULLETIN

Volume 87 Number 4

July—August 2012

IN THIS ISSUE

Memorials:

Edwin D. Goebel

J.R. "Dick" Green

Hiram W. Lewis, Jr.

Iris Moreno Totten

Dr. James R. Underwood



TIME WELL SPENT



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ON THE COVER:

This photo was taken on the coast of Italy at Cinque Terre, locally known as the Italian Riviera. Some great geology in this photo....who can tell me what we are seeing?

Photo courtesy of Lee Huff

CALL FOR PAPERS

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

SOCIETY Technical Meetings

There will be no Technical Meetings in June, July, or August
Talks will resume in September

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.

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The screenshot displays the Robert F. Walters Digital Geological Library website. At the top, there is a search bar with fields for Section, API Number, County, Operator, Lease Name, Depth, and Doc. Type. Below the search bar is a table of search results with columns for API No., County, Sec, Twp, Rge, Operator, Lease Name, Well No., Spot, Location, NS, EW, Spud, Completion, Depth, EIKB, EIDF, EIGL, and Status.

| API No. | County | Sec | Twp | Rge | Operator | Lease Name | Well No. | Spot | Location | NS | EW | Spud | Completion | Depth | EIKB | EIDF | EIGL | Status | |
|--------------|----------|-----|-----|-----|--------------------------------------|----------------|----------|------|------------|----------|----------|------------|------------|-------|------|------|------|--------|--|
| 15-033-00022 | COMANCHE | 06 | 31S | 16W | GULF OIL / SINCLAIR OIL / CARTER OIL | GALLUP-ROBBINS | 1 | ... | SIV N1E | 3300 FSL | 1900 FEL | 10/11/1957 | 5100 | 2034 | | | | | |
| 15-033-00051 | COMANCHE | 36 | 31S | 16W | MESSMAN-RINEHART OIL CO | SCHUETTE EST B | 1 | ... | S2 SE | 660 FSL | 1320 FEL | 12/05/1960 | 4990 | 2001 | | | | | |
| 15-033-00054 | COMANCHE | 15 | 31S | 16W | F.K. JOHNSON | ROBBINS | 1 | ... | NIV N1E SE | 2310 FSL | 2310 FEL | 12/03/1954 | 5025 | 2052 | | | | | |
| 15-033-00059 | COMANCHE | 23 | 31S | 16W | BARBARA OIL CO | ROBBINS UNLT | 1 | ... | S1E | 1320 FSL | 1320 FEL | 06/26/1953 | 4950 | 2037 | | | | | |
| 15-033-00060 | COMANCHE | 23 | 31S | 16W | BARBARA OIL CO | ROBBINS B | 1 | ... | SIV | 1320 FSL | 3960 FEL | 07/03/1953 | 5465 | 2042 | | | | | |
| 15-033-00061 | COMANCHE | 23 | 31S | 16W | BARBARA OIL CO | ROBBINS | 1 | ... | S8 N1E N1W | 4290 FSL | 2970 FEL | 02/27/1953 | 4930 | 2006 | | | | | |
| 15-033-00113 | COMANCHE | 36 | 31S | 16W | INTER-SEA SERVICE | SHAW | | | | | | | | | | | | | |
| 15-033-10001 | COMANCHE | 14 | 31S | 16W | BARBARA OIL CO | | | | | | | | | | | | | | |
| 15-033-10002 | COMANCHE | 10 | 31S | 16W | BARBARA OIL CO | | | | | | | | | | | | | | |

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- Completion Card - IOG**: A document with a grid and text, including fields for TIF (300x300 dpi), 2 pages, ID 148220, and 15-033-10002.
- Drill Stem Test**: A document with a grid and text, including fields for 1 page, ID 1015744, and 15-033-10002.
- Barbara Oil Company**: A document with a logo and text, including fields for COMPANY (Barbara Oil Company), DATE (8-1-58), COUNTY (Barber), and TEST NO. (#2).
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A.A.P.G. DELEGATES

| | |
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| Robert Cowdery 2012 | Douglas Davis 2012 |
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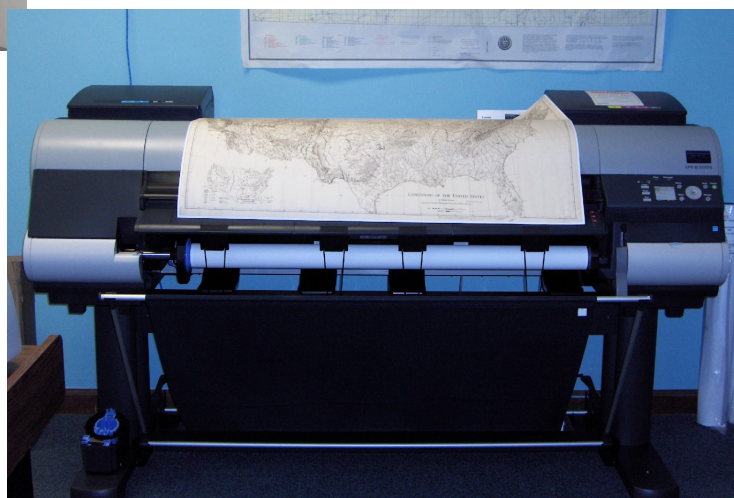


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President's Letter

Dear Members,

On June 22, I attended the KGS Golf Tournament at Hidden Lakes Golf Course. The weather was absolutely great and the food was fantastic! Thanks to Dave Barker and everyone else that helped, the event was a big success, as usual. I especially enjoyed the hamburgers and brats cooked up by Pat "Killer" Kane and one of his co-workers from Tulsa. Great food!



Rebecca and Jeff, her husband, together with the rest of the KGS staff made sure that no one was thirsty or hungry at any time during the event. Donuts were served before the golf tournament began. Lunch commenced at about 10:15 am and continued for hours. Cookies, etc. followed in the early afternoon.

I am really looking forward to attending the KGS Picnic later this summer, the KGS Shooting Tournament this fall, as well as several other exciting offerings by our Society. We are very fortunate that the KGS has so many outstanding events which we can enjoy every year.

Doug Davis is the Chairman of the AAPG Mid-Continent Meeting to be held in Wichita next year. Many of you are already involved. I encourage the rest of you to volunteer your time and make donations to assure that this is the best meeting ever!

Respectfully,

Kent Scribner



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From The Manager

Dear Members,

We had a most perfect day for our **Annual Golf Tournament** this year. Thanks go out to Dave Barker for putting on such a good tournament and to Pat Kane from Tucker Wireline for cooking up those burgers and brats.

The next event of the year will be our **KGS picnic**. We have it scheduled for Friday, August 3rd. Again at All Star Sports West. Hope you all can come out and enjoy the evening with us. For more details, see the flyer in this issue or go to the Events tab on our web site.

Many of you local members have taken advantage of our newest equipment. We can scan and print in color, map size (up to 44"). It does a fantastic job and we hope we are doing it at an economical price for you, our members. Try it out!

Notice on the next two pages (10 & 11) we have information about the upcoming **Biennial Field Conference for the Mid-Continent Section**. This trip through **Palo Duro Canyon** is being hosted by the Panhandle Geological Society in Amarillo, TX. We have a link to their website on our home page. Registration is now open so check out their web page and get signed up!

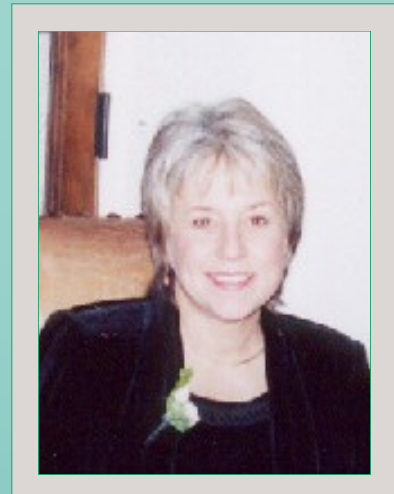
Still looking for someone to become the new editor of the Bulletin. I do the physical work of putting the Bulletin together but I need someone to chase down some good papers for articles. Please consider.....!

I hope you all have a wonderful, relaxed but productive summer!

Respectfully submitted,

Rebecca Radford

Manager



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ON THE ROCKS: PALO DURO CANYON

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

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

John V. Miesse, General Chairman

FIELD CONFERENCE SCHEDULE

FRIDAY OCTOBER 5TH

AFTERNOON (starting at 2:00 pm)

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

EVENING

- Technical Session – Featuring Ted Beaumont and Lee Krystinik

SATURDAY OCTOBER 6TH

ALL DAY

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

SUNDAY OCTOBER 7TH

MORNING

- Optional Tour of Panhandle Plains Historical Museum

REGISTRATION INCLUDES

- Field Conference Guide Book Including Road Log and Hiking Trip Logs
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- Icebreaker
- Lunch and BBQ Dinner in Palo Duro Canyon
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- Tour of the American Quarter Horse Museum
- Lunch on Historic Route 66 and Antique Shopping
- Cadillac Ranch
- Driving Tour Through Palo Duro Canyon
- Sunset Dinner with Field Conference Participants at Palo Duro Canyon

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

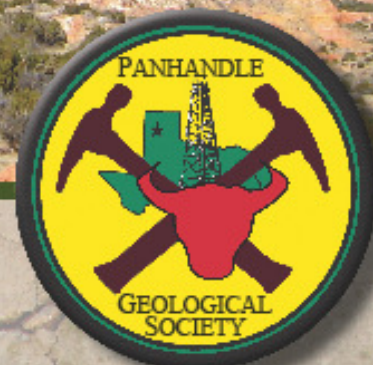
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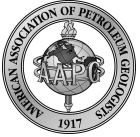
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About AAPG's GeoCare Benefits Insurance Program

As part of its membership benefits, AAPG is pleased to sponsor in the GeoCare Benefits Insurance Program, along with ten other professional associations. The GeoCare Benefits Program has been in existence since 1962 and offers insurance plans which have been tailored to the needs of association members.

The Program offers auto/homeowner, medical, term life, disability, dental, long term care, and several supplemental plans. It also offers an annuity buying service and an ID theft assistance program. One of the major advantages of these plans is their portability, for insured members may keep their coverage regardless of whether they are employed, work as independents, or are between jobs.

New members of AAPG under age 50 and employed are initially provided with two types of coverage at no cost to them or to AAPG. The first is \$30,000 of Term Life coverage provided for the first twelve months of membership; the second is a \$600 monthly Disability Income benefit, provided for the first six months of membership. At the close of the no-cost period, members have the option to retain the coverage by paying the premium or allowing it to lapse. New members who are students are provided with the Term Life insurance benefit.

The Program is overseen by the Committee on Group Insurance which takes its responsibility to the members very seriously. AAPG member Terry Hollrah chairs this Committee.

More information about AAPG's GeoCare Benefits Program, including the Plan descriptions, rates, and applications, may be found at www.geocarebenefits.com or by phone at **800-337-3140**.

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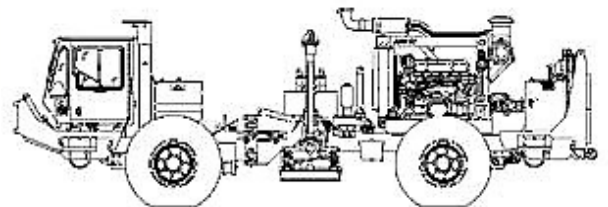
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Kansas Geological Society Board Minutes

KANSAS GEOLOGICAL SOCIETY
Regular Meeting of the Board of Directors
May 8, 2012

CALL TO ORDER- Mr. Scribner called the meeting to order at 11:43 a.m.

FINANCIAL REPORT/MANAGERS REPORT

- A. **Treasurer's Report**- Mrs. Radford presented us with the Treasurer's report for April 2012. Mrs. Radford noted the small account at First Choice Credit Union and the Money Market account with Securities America will be moved into the Intrust money market account. Additionally it was approved to move the excess cash from those two accounts into two other CDs.
- B. **Manager's Report**- Mrs. Radford presented the Manager's Report for April 2012. Monthly income was \$59,733.44 and expenses were \$56,704.04, making the profit \$3,029.40 for the month. The reports show 721 Society members, 200 Library members and 229 Walters Digital Library members.

OLD BUSINESS

- A. **KGS Membership Directory** – The idea was presented to compile digital photos of the members and produce a new directory.

NEW BUSINESS

- A. **Fall Geofest** – Mr. Tom Hansen and Mr. Rex Buchanan have proposed a fall bus trip to Lawrence, Kansas to observe Arbuckle cores.
- B. **KGS Picnic** – August 3, 2012 All Star Sports West. Mrs. Marjorie Noel indicated this is the final year she will Chair the Picnic committee.
- C. **KGF Mixer** – May 23, 2012 at Petroleum Club.
- D. **KGS Golf Tournament** – June 22, 2012.
- E. **KGS Fishing Tournament** – September 21, 2012.
- F. **KGS Sporting Clays Tournament** – October 5th or October 12th, date will be finalized soon.

VIII. ADJOURNMENT- Mr. Scribner adjourned the meeting at approximately 12:42 p.m.

Respectfully submitted,
Robert P. Bayer, II
Secretary

June Board Meeting

The KGS Board of Directors voted to forego meetings for June and July and all information is sent to the board via email.

The monthly income for the month of May was \$65,628.39 and expenses were \$65,031.21 making a profit of \$597.18 for the month. The Society membership stands at 721, paper library at 200 and Walters Digital Library at 232 members.



Memorials

Iris Moreno Totten (December 2, 1968 - May 26, 2012)

Iris Moreno Totten, 43, of Wamego, Kansas, passed away Saturday, May 26, 2012 at her home after her long and courageous battle with cancer. Iris was born December 2, 1968 in New Orleans, Louisiana, the daughter of Hilda Moreno. She was raised by her uncle for 10 years in Ocala, Florida, where she attended elementary and middle schools before returning to New Orleans where she graduated from St. James Major High School in 1986. After high school she attended college at the University of New Orleans where she received her BS, MS and Ph.D. After receiving her MS degree she worked for five years for Mobil before returning to school to receive her Ph.D.. She then went to work as a Professor for two years at the University of New Orleans before moving to Wamego in 2006, where she taught as a Geology Professor at Kansas State University for six years until she was forced to quit due to her illness. Iris was united in marriage to Matt W. Totten Sr., in New Orleans on April 23, 1995. He survives of the home. Iris was a member of the National Association of Science Teachers, Association of Women Geoscientists and the Geological Society of America. She enjoyed photography, rock jewelry, traveling and cheer-leading for her two youngest children during their sporting events. Most importantly she enjoyed spending time with her family and friends. Iris is also survived by her mother: Hilda Moreno of Ocala, FL; a daughter: Cody Totten and a son: Wyatt Totten both of the home; two sons: Nathaniel Totten and wife Lindsay of Alamogordo, NM and Matt Totten Jr. of Houston, TX; two daughters: Louise Totten and Becky Minzoni and husband Marcello both of Houston, TX; one sister: Yvette Guimmo and husband Mike of New Orleans, LA; one brother: Andrew Viera of New Orleans, LA; one uncle: Orlando of Ocala, FL; one aunt: Roanne of West Palm Beach, FL and three grandchildren: Creedence, Leonardo and Alexandra Iris. Memorial contributions be made to KSU Foundation: Iris Totten Memorial Geology Scholarship Fund and may be left in care of Stewart Funeral Home, PO Box 48, 66547, Wamego, KS.



Lewis, Hiram Wheeler Jr. ("Hi"), was born in Wichita, KS on Feb. 12, 1921. He died at the age of 91 on May 13, 2012 in California. He had a long and full life, from a childhood spent in Wichita and the mountains of Colorado, to his WWII days as a graduate of New Mexico Military Institute and as an officer in the 34th Cavalry based in Ft. Riley, KS, to his retirement years in the California desert. In addition to Wichita and California, he also resided in Colorado Springs, Denver, McCoy, CO, Calgary, Al, and Fernie, BC. For 50 years, Hi was active in oil exploration from Texas to Canada and nearly all points in between. He loved the Lord, family, and friends more than anything, followed closely by an enjoyment of golf, Weller's Kentucky bourbon, John Wayne, football and looking at oil deals. He is survived by his wife of 37 years, Maire Lewis; sons, Hi Lewis III (Bronwen) and Zach Lewis of Wichita; stepson, Rick Merriam (Patti) of Calgary; stepdaughters, Janet Paul of Denver and Nancy Merriam (Skip Brunner) of Haddonfield, NJ; brothers, Jerome Lewis (Martha Dell) of Denver and George Lewis of Colorado Springs; grandchildren, Seth Lewis of Wichita, Hiram Lewis IV (Jessica) of Nashville, Kelsey Haddock (Jason) of Denver, Cooper Lewis of Los Angeles, Keaton Lewis of Wichita, Alex Paul of Durango, Robert Merriam and Megan Merriam of Calgary, Katie Sullivan (Jason) of Boston, Jessica Paul of Victoria, Canada; and 7 great-grandchildren. He is preceded in death by his parents, Hiram W. Lewis and Madeline Butts Lewis; former wife, Bette Clarke; and a brother who died in childbirth...all of Wichita. A memorial service will be held at the Chapel of Our Savior Episcopal Church in Colorado Springs at 2 p.m. on June 23rd, with a reception to follow. In lieu of flowers, memorials can be sent to Slab City Ministry (homeless and orphanage mission work), PO Box 2323, Borrego Springs, CA 92004, or to a [charity of choice](#). He will be greatly missed.

Memorials

J. R. (Dick) Green was born June 11, 1919 in Midian, KS, the third of seven children born to Cyril and Ruth Green. His father was an oil field mechanic and pumper with the Indian Illuminating Company, which later became Cities Service. J.R. grew up in a true oil field boom town in what is now the largest ghost town in Kansas. He graduated from Midian High School and Butler County Junior College. After working for Beech Aircraft and then serving in the Navy during WW11, Dick graduated from Wichita University with a degree in Geology. After “breaking out” in the oil patch under Bob Lang in Garden City, KS, he moved to Hays, KS in 1952 with his wife Shirley (Seeber) Green, whom he had married in 1948. She was familiar with the oil fields, as her father was Clarence Seeber, founder of United Oil Well Cementing in El Dorado, KS. Shirley’s brother is Dean Seeber, a prominent Kansas geologist.

J.R. had a large and growing family and supported it by doing well site work for numerous operators, putting together and selling wildcats, and occasionally buying producing properties. He was a particularly gifted well site geologist with the ability to spot oil shows from even the worst of samples using all senses including smell, taste, and sight. He tried to learn everything about Western Kansas and was always open to new ideas. One of his accomplishments was realizing in the early 1960s that carbonates in the LKC could be successfully water flooded in the Gorham field, a water flood he proposed and initiated that still produces over 50 years later.

J.R. founded several companies, including Green Oil Operations and partnered with his son Jerry, also a geologist. Jerry later founded Castle Resources and Well Enhancement Services, both operating today out of Hays. J.R. operated properties well into his 80s, selling his last operated lease in 2007. He thrived doing a job in a profession he loved and until illness slowed him in late 2007, always worked with an energy level rarely matched.

J.R. had a brilliant mind, keen intellect, and a curiosity about all things scientific. He loved four things: his children and grandchildren, his siblings, his profession, and most of all, his wife Shirley. He loved his children and was proud that all graduated from college, two from Kansas State, two from Fort Hays State, and two from Kansas University. All he asked of his children was that they do their best at anything they attempted. J.R. was proud to be of Scotch-Irish heritage and loved his brothers and sisters. His younger brother Robert, a retired attorney in El Dorado, was his best friend, confidant, attorney, and sometime business partner. Finally, he loved the science of geology, with a passion matched by few.

J.R. Green passed away after a long illness on April 30, 2012 at the age of 92. He was a member of the KGS and AAPG for more than 50 years, as well as the First Methodist Church of Hays. Dick is survived by his wife, Shirley of Hays, son Richard, a petroleum geologist in California, Missouri; son Larry, an electrical engineer, of New Hope, Minnesota; son Jerry, a petroleum geologist in Hays; son Robert, a political consultant in Bethesda, Maryland; son Craig, a Methodist minister in Livingston, Tennessee; daughter Krista Mize, a journalist, of Arvada, Colorado; 14 grandchildren, 3 great-grandchildren, 1 step granddaughter, and three brothers. He was preceded in death by one infant daughter, Karen, and by two sisters and one brother. He will be missed by all who loved him and by the many whose life he touched and influenced.

In our industry, J. R. represents a dying breed, a man for whom integrity and professionalism were a given and for whom principles and guidelines on ethics did not require codification or refresher courses. He was openly generous with his money and his time and one of the best geologists, role models, and men, we have ever met.

Richard G. Green, Member -KGS, AAPG

Jerry D. Green, Member-KGS

Goebel, Edwin D. "Ed", of O'Fallon, Missouri, died on Monday, May 7, 2012 at the age of 88. Loving husband of Beverly Goebel NEE: Carlson; beloved son of the late William and Myrtle Goebel; devoted father of Jeff (Cindy) Goebel and Kurt (Summer) Goebel; cherished grandfather of Hallie, Andrew, Shannon, Jackson and Kyle. He is preceded in death by his sister, Wilma LeClair. Ed was a graduate of Moline, IL high school where he received the Citizenship medal. He fought for our nation in WW II in the European theater and considered himself a devoted and loyal patriot. Ed later attended Augustana College, received his Master's Degree from the [University of Iowa](#) and a PhD from the University of Kansas. Longtime resident of the Lawrence, Kansas and Leawood, Kansas areas, Ed volunteered for over twenty years as the Head Scorekeeper for the Kansas University Basketball program and was a deacon in the Plymouth Congregational Church. Professionally, Ed served as the Senior State Geologist for the state of Kansas, as Technical Director of the United States Federal Power Commission, and taught at the University of Missouri-Kansas City where he retired as Professor Emeritus. He was deeply loved and will be missed by all who knew him. Services: A Graveside Service was held at 1:00 pm, Monday May 14, 2012 at the Colona Cemetery in Glenwood, IL. Memorials may be made to the [charity of the donor's choice](#) .

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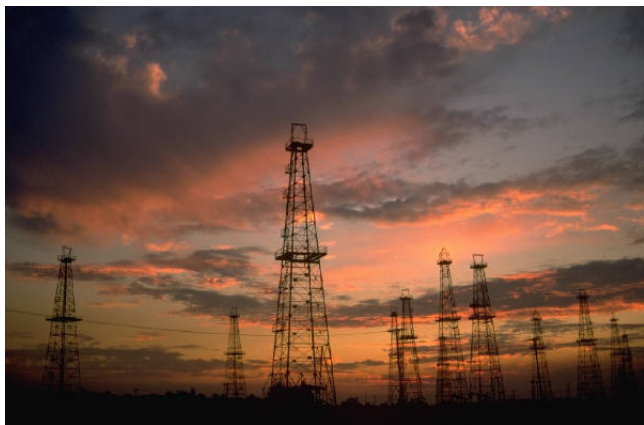
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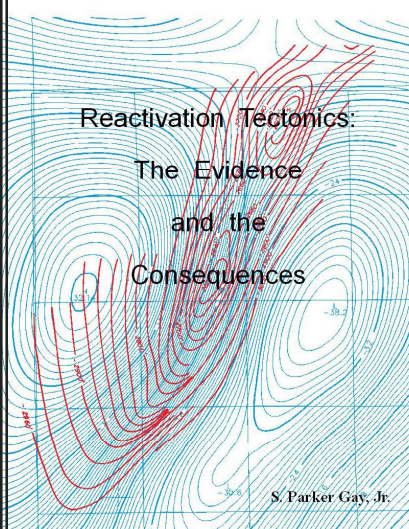
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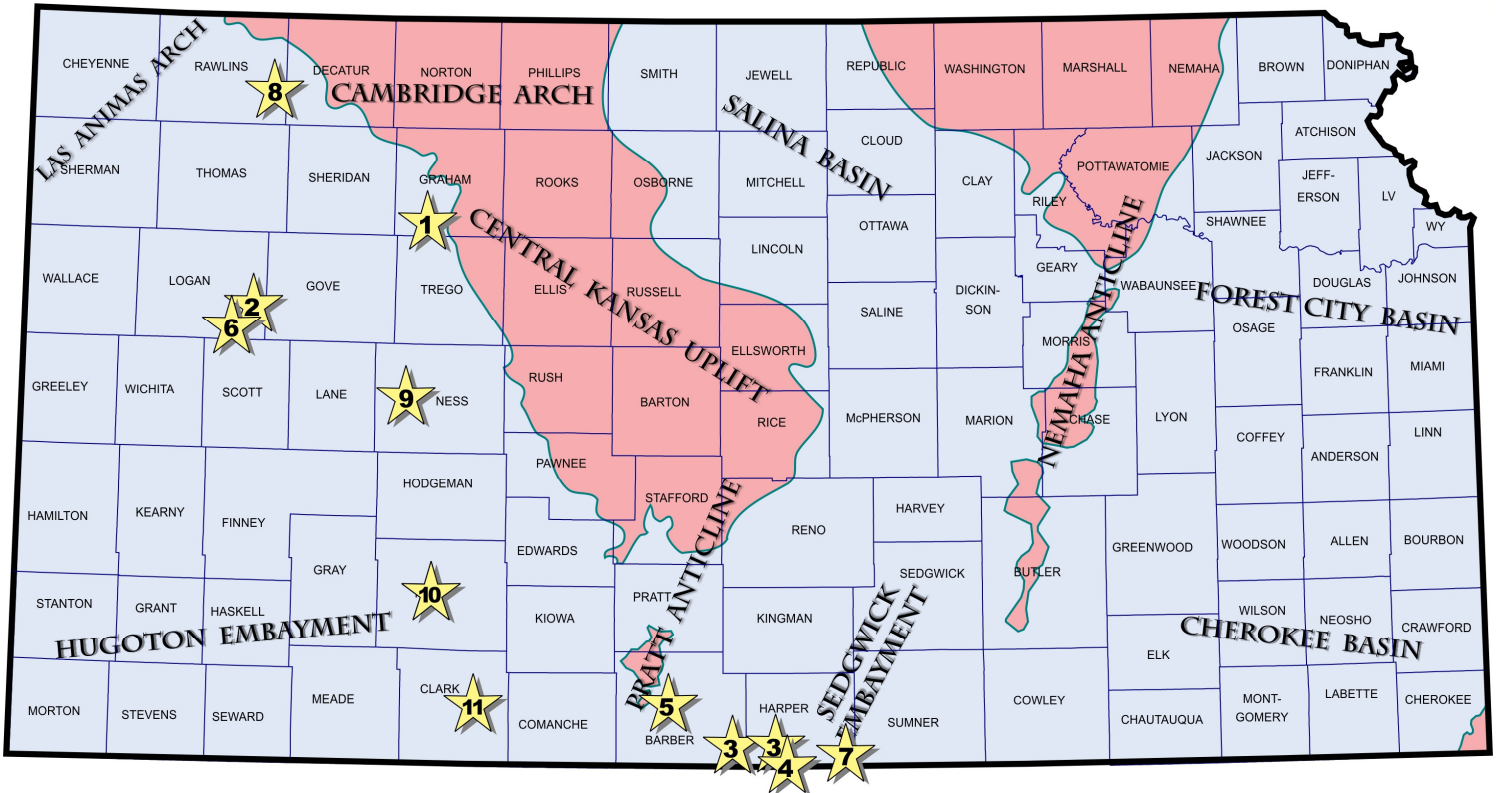
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Exploration Highlights

By John H. Morrison, III
Independent Oil & Gas



(1) **Cobalt Energy LLC**, Wichita (KS), is pumping oil and some water at the new High Hill Northwest pool opener discovered at the #1-18 Hobbs 'A', C S/2 NW NE in section 18- T10s- R24W, in **Graham** County. The wildcat well was drilled to a total depth of 4050 ft at site located two and one-quarter miles east of Saint Peter, Kansas. Production comes from five different lime zones in the Lansing-Kansas Group 'A' through 'K'. The well was put on pump on March 1, 2012. The discovery lies almost three-quarters mile southeast of the Reidel Southwest oil field where the LKC zones are also productive.

(2) **Shakespeare Oil Company**, Salem (IL), has discovered Lansing-Kansas City oil deposits at their #1-9 Ottley, spotted in approximately NE SE NE in section 9- T14s- R32W, **Logan** County. The well is pumping an undisclosed amount of crude. The 4558 ft deep well establishes the Rose Garden West oil field nearly three-quarters mile northwest of the multipay Chalk Buttes field and is located about three and one half miles south and sixteen miles east of Russell Springs, Kansas.

(3) **SandRidge Exploration and Production LLC**, Oklahoma City (OK), has completed two additional Mississippian Limestone horizontal wells in southern Kansas, resulting in the establishment of two new unnamed pool discoveries. In **Barber** County, the #1-31H Roark is producing an unknown amount of crude from 5862 ft of lateral in section 31- T34s- R10W. Well surface location is 200ft from south line and 2310' from west line with lateral extending in a northerly direction bottom hole location 1694 ft from south line and 2189 ft from west line into section 30. True measured depth (TMD) was 11,024 ft with top perforations at 5050 ft (MD) and bottom perfs at 10,912 ft.(MD). The new find lies over one and one-half

miles from the established Kiowa (Mississippian) oil field, about one and one half miles northeast of Kiowa, Kansas.

(3) In **Harper** County, SandRidge's #1-34H Jennifer has been completed for an undisclosed potential through selectively perforated liner from 4928 to 10,470 ft (MD). The wildcat well surface location was drilled 200 ft from south line and 660 ft from west line in section 34- T34s- R8W with lateral extending in a northerly direction bottom hole location 947 ft from south line and 495 ft from west line in section 27. True measured depth (TMD) of the wellbore reached 10,470 ft. Discovery site is located three and one-half miles south of the Wharton South (Mississippian) oil and gas field, or two miles north of Waldron, Kansas. The new field has not been named.

(4) Finally, **SandRidge** has stepped out nearly one mile west of the recently established Okan field in southern **Harper** County to discover additional Mississippian Limestone reserves. The firm's #1-12H Brad horizontal well, spotted in the S/2 S/2 SE SW of section 12- T35s- R8W, was completed in April for an undisclosed potential. The well was drilled to a true measured depth of 11,754 ft and is producing from multiple perforations made from 5080 to 11,650 ft (MD). The lateral hole runs in a northerly direction ending in about the N/2 NE SW of section 1- T35s- R8W. No completion details have been released. This is the third successful horizontal completion in the Okan field for SandRidge. Field area is located about two miles east of Waldron, Kansas.

(5) **Hallelujah El-Shaddai Oil LLC**, Pratt (KS), has a new Marmaton oil discovery in **Barber** County, about sixteen miles southwest of Medicine Lodge, Kansas. Oil deposits were found at the #1 Rucker, SE NW NE SW in section 33- T32s- R13W. The

wildcat well was drilled to a total depth in Arbuckle at 5096 ft with Maverick Drilling tools. Closest established production is located over one and one-quarter miles away in the multipay Medicine Lodge - Boggs. The new field has been designated as the Hallelujah pool.

(6) **Landmark Resources, Inc.**, Houston (TX), has found Marmaton oil deposits nearly three miles west of the Little Pyramids field (Marmaton oil) in **Logan** County. The #1-16 Gerber, NE SW SW NE in section 16- T15s- R33W, is producing an undisclosed amount of oil at site located about eleven miles south and ten miles east of Russell Springs, Kansas. Murfin Drilling tools drilled the well to a total depth of 4665 ft. The new field is named Touchstone.

(7) **Shoreline Energy Partners LLC**, Wichita (KS), has successfully completed two Mississippian oil wells near the recently established Grand Slam oil field in **Harper** County. The Grand Slam field was discovered by Colorado-based **M & M Exploration, Inc.** in late 2010 when their #1-26 Sheen was initially completed for an estimated 40 barrels of oil per day from an undisclosed formation in the NE/4 of section 26- T34s- R5W. Shoreline stepped-out 3/4-mile southeast and completed the #1-35 Sheen in approximately NE NE NE in section 35, and also about one mile to the southwest to complete the #1-26 Seifert in approximately SE SW SW in section 26. The wells were drilled to total depths of 5336 and 5061 ft respectively. Completion details are being held confidential. Field area is located about 2.3 miles southeast of Bluff City, Kansas.

(8) **Murfin Drilling Company, Inc.**, Wichita (KS), has a new remote oil discovery in **Rawlins** County with the completion of the #1 -27 Daisy, located in approximately SW SW NE of section 27- T4s- R31W, or about 2 miles south and 1.5 miles east of the town of Achilles, Kansas. The 4550-ft deep well was put on pump in April for an undisclosed daily potential. Production formation is Lansing-Kansas City. Wellsite lies about 3 miles north of the Schmahl and Elna oil fields where the Lansing-Kansas City formation is productive. The new field has been named Daisy.

(9) **BlueRidge Petroleum Corporation**, Enid (OK), has discovered Mississippian oil reserves at a wildcat located over one mile southwest of the Aldrich field in **Ness** County. The #1-30 Schwartz is completed for 54 barrels of oil per day, no water, at spot location in approximately SW SW SW of section 30- T18s- R25W, or one-quarter mile north and four and one-quarter miles west of Laird, Kansas. The new Alicuri Northwest pool opener is producing crude from the top of the Mississippian formation through perforations shot at four holes per foot from 4390 to 4404 ft. Southwind Drilling tools were used to bottom the well at a total depth of 4477 ft.

(10) **Ritchie Exploration, Inc.**, Wichita (KS), has completed the #1 Potosi as a Marmaton oil producer in **Ford** County. The wildcat well establishes the Thunder oil field in the SW/4 of section 13- T27s- R24W, about two miles south and one and three-quarters miles east of Fort Dodge, Kansas. The well found pay in the Pawnee Limestone zone approximately two miles northeast of the Willroads North oil field which has produced Marmaton oil, as well as Cherokee oil, since 1981. Oil production and completion details have not been released. The well was drilled to a rotary total depth of 5110 ft by Duke Drilling tools.

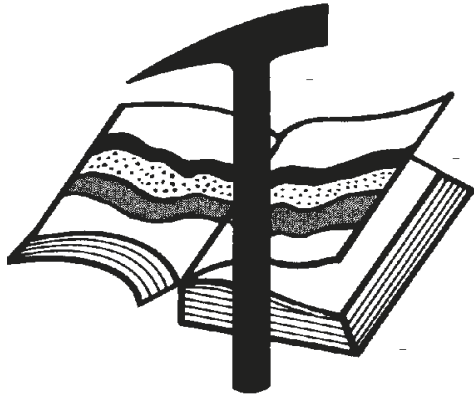
(11) **Raymond Oil Company, Inc.**, Wichita (KS), has stepped out over three-quarters mile north of the Blaricum Lansing-Kansas City (LKC) gas field to discover new LKC oil deposits at the #1 Hazel Thomas, spotted in the SW/4 NE/4 of section 20- T32s- R22W. The 6800 ft deep wildcat well is producing oil from the Iola Limestone member of the LKC group. No completion details have been reported. First production commenced on April 4, 2012 at site located three and one quarter miles north and one and one-half miles east of Ashland, Kansas. The new field is named Blaricum North..

Special Note: Thank you to Marc Summervill, Woolsey Petroleum, for providing the maps for Exploration Highlights



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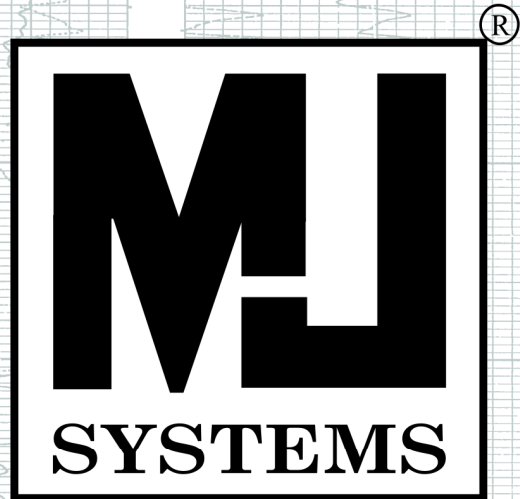
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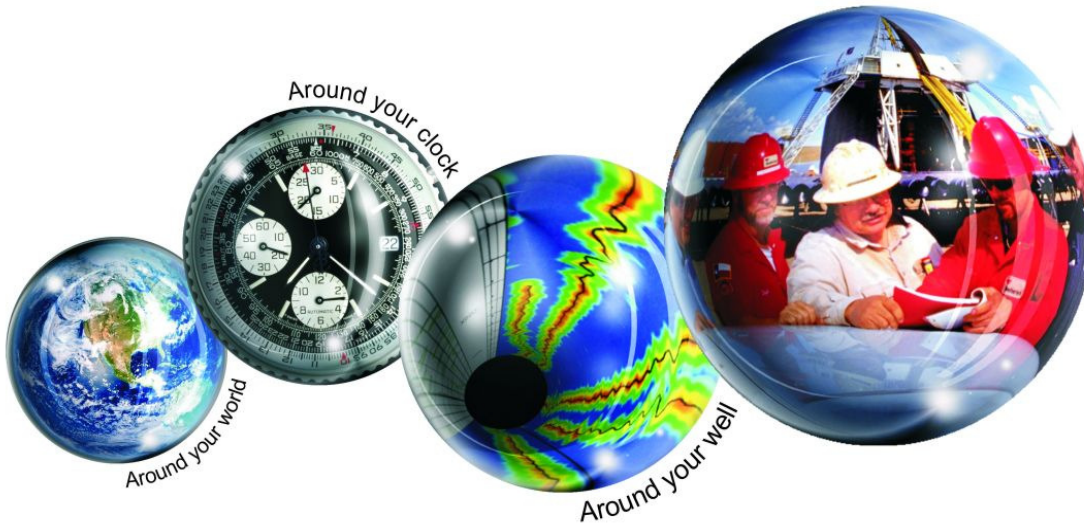
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| Robert Gebhart | 01/90 | 1990 | Edward B. Donnelly | 08/01 | 2001 |
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| Millard W. Smith | 08/91 | 1991 | Gerald W. Zorger | 01/02 | 2002 |
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| James & Kathryn Gould | 11/91 | 1991 | Merle Britting | 2002 | 2002 |
| E. Gail Carpenter | 06/91 | 1993 | Harold Trapp | 11/02 | 2002 |
| Benton Brooks | 09/92 | 1992 | Donald M. Brown | 11/02 | 2003 |
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| Nancy Lorenz | 02/93 | 1993 | Robert Noll | 09/03 | 2003 |
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| Robert W. Watchous | 12/93 | 1993 | Jay Dirks | 2003 | 2003 |
| J. George Klein | 07/94 | 1994 | J. Mark Richardson | 02/04 | 2004 |
| Harold C.J. Terhune | 01/95 | 1995 | John "Jack" Barwick | 02/01 | 2004 |
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| R. James Gear | 05/95 | 1995 | Gordon Keen | 03/04 | 2004 |
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| Robert L. Dilts | 05/97 | 1997 | Robert W. Hammond | 04/07 | 2007 |
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| Warren E. Tomlinson | 01/00 | 2000 | Donald Hollar | 06/10 | 2010 |
| James A. Morris | 01/00 | 2000 | Delbert Costa | 08/10 | 2010 |
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| Kenneth W. Johnson | 03/00 | 2000 | William (Bill) Owen | 09/10 | 2010 |
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| Fred S. Lillibridge | 05/00 | 2000 | Edmund G. Lorenz | 11/10 | 2010 |
| Jerry A. Langrehr | 07/00 | 2000 | Thomas E. Black | 05/11 | 2011 |
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| Floyd W. "Bud" Mallonee | 10/00 | 2000 | Henry F. Filson | 07/11 | 2011 |
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| 29 | 30 | 31 | | | | |

August 2012

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|------------------------|-----|-----|-----|-----|-----------------|-----|
| | | | 1 | 2 | 3 KGS Picnic | 4 |
| 5 | 6 | 7 | 8 | 9 | 10 | 11 |
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