

GEOPHYSICAL SOCIETY OF KANSAS

PRESIDENT'S MESSAGE



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Welcome to the second issue of our Newsletter. Our first issue was circulated in September 2005 and highlighted some of the startup activities of the Society. We have determined that our publication cycle will be bi-monthly, so this edition will cover the months of November-December 2005.

We are very grateful to Bill Miller, Denver Consultant, who provided a talk at our inaugural Technical Session. We estimate the turnout at that event was about 100, and we certainly appreciate that early indication of support for our technical programs. We hope to soon place the contents of his talk in our website, located at <http://gskseg.org>.

Members of the Council have been meeting approximately bi-monthly since June to establish and plan for the future of the organization. We are a non-profit entity, and hope to bring multi-faceted benefits to our members. If you have not yet joined, we encourage you to do so, as it will eventually bring you timely opportunities which will not necessarily be available to non-members.

This Newsletter comes to you via the efforts of many people, and your Editor Rick Miller is creatively advancing the look and feel of this information delivery system, along with Kansas Geological Survey staffers Mary Brohammer and Noah Stimac (who places this content on the web).

We do have a significant backlog of technical papers in the pipeline, which Program Chairman Rick Saenger speaks of in a column in this issue. We are very appreciative of the individuals and companies who foster this communication outlet. We hope the geoscience community of the greater Kansas region will benefit significantly by these many fine presentations to come.

We are very pleased and gratified by the early support we are receiving from the advertisers who appear in this issue. As you can tell by the interest these individuals and entities exhibit via these ads, the art and science of geophysics is in

Continued on p. 2

Joint Technical Sessions with the Kansas Geological Society

- In order to reach a larger audience, we will be regularly hosting joint technical sessions with our local geological society. See more details inside.
- Web Address: <http://gskseg.org>

Technical Program / Luncheon, Tuesday, November 22

Anadarko Canada Geophysicist Margaret Stratton is scheduled to present a talk entitled "The Effects of Anisotropy on Canadian Foothills Exploration."

The play has similarities to the Spiro trend in southeast Oklahoma, and should be of interest to geoscientists who pay close attention to fracture systems, thrust plays, and other structurally important elements in hydrocarbon accumulation. Please see the Abstract of her presentation inside this issue.

As is customary, we invite members and guests to join us at the Cantina (just outside the Petroleum Club of Wichita) for a buffet lunch prior to the Technical Session. Cost for the lunch is \$15, including dessert. Gathering for lunch commences at 11:30 AM.

Following lunch, we will move downstairs to the Bank of America Auditorium, with the Technical Session beginning just after 12:30 PM.

President's Message—cont'd

full gear across the State of Kansas, and adjacent regions.

Seismic crew activity is robust and we see no let up for the near term. As is indicated by the brief report of crew locations, equipment, and facilities, some interesting acquisition work is underway. Additionally, we see other geophysical apparatus engaged on environmental, hydrogeological and geotechnical engineering problems.

Much of our early publicity came about as a result of assistance from our sister organization, the Kansas Geological

Society (KGS), also based here in Wichita. We'd like to specifically thank Fred James, KGS President, who was supportive of our endeavor from the moment he and I had preliminary discussions about the possibilities. In addition, KGS Manager Rebecca Radford unhesitatingly supported us by running ads in the KGS Bulletins for two consecutive issues prior to our first technical program. Bob Cowdery also assisted in getting communication underway with KGS members, and in arranging for Technical Program facilities. Finally, Kimberly Dimmick-Wells worked diligently behind the

scenes to assist in placing our announcement copy in KGS Bulletin issues.

So, we are off to the races. The industry has rarely looked more promising and the technology advances of the past decade are producing, to say the least, interesting results which we all embrace with increasingly higher expectations. Let's be thankful for the opportunities we have, and do our best to be as efficient as we can be in addressing the natural resources at our disposal, our environment and the population we attempt to serve.

Dennis Hedke



Technical Program Abstract

"The Effects of Anisotropy in Canadian Foothills Exploration: A Case History"

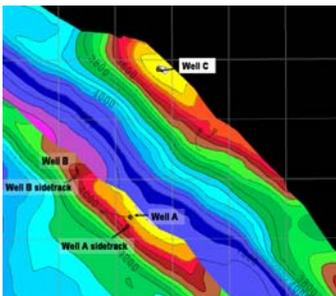
Margaret A. Stratton, Anadarko Canada Corporation, and Peter Vermeulen, Veritas Geoservices*

This case history demonstrates the impact of anisotropy on the results of exploration in the Canadian foothills. The results of recent drilling show the dramatic impact of anisotropy on

the positioning of the pre-drill target location. This impact creates cost overruns from a drilling perspective as well as increased cycle time to production. In some cases, by optimizing the location of the borehole on the structure to encounter an area of increased fracturing, higher production rates have

resulted. An intangible impact is a perception of increased technical risk on the play if the cause of the error in positioning is not fully understood. This analysis is based on drilling information gained from several wells in an area covered by a large 3-D seismic survey in the Alberta foothills.

"In some cases, by optimizing the location of the borehole on the structure to encounter an area of increased fracturing, higher production rates have resulted."



Program Chairman's Column

The Geophysical Society of Kansas had its first technical session on September 14. Bill Miller, of Miller Consulting Services, presented his paper *Exploring in Kansas with Small Prospect Specific 3D Surveys*. The session was very well attended and received. I want to thank Bill Miller for his fine presentation and the Wichita exploration community for their outstanding support. I would also like to thank Bob Cowdery for his help in coordinating with the Kansas Geological Society.

On October 27th, Mark Fortuna of EOG Resources, and Dr. John Queen presented a paper related to faults and fractures in San Juan Basin gas reservoirs.

On November 22, Margaret Stratton, of Anadarko Canada Corporation, will present the above abstracted paper.

Continued next page



Carbonate Art !



Note from the Editor

As is true of most professional societies, exposure to technology and promoting application of our discipline is a core activity of GSK. Under outstanding leadership your society is beginning to “flesh out” its role and responsibility in the areas of information transfer and advancement of the technologies we use and rely on to practice our science.

It is my hope that we can bring to you information and discussions on a routine basis you find not only useful, but also thought provoking. We will bring you readable materials with enough technical meat to stimulate thought, but without the advanced developments and theory that promote midday slumber.

This is an exciting time in our discipline and we hope to bring you glimpses of what is and will be.

Rick Miller



Membership in GSK

Joining GSK can be accomplished either by requesting an application form from Membership chairman Susan Nissen at snissen@kgs.ku.edu, or 785-864-2179, or by downloading an electronic form at <http://gskseg.org> and submitting the form according to instructions provided on the form.

<u>Membership Classifications</u>	<u>Annual Fees</u>
Active	\$25
Associate	\$25
Student	\$10

Program Chairman’s Column—cont’d

On December 1, we will have a joint meeting with Kansas Geological Society (KGS), featuring R.S. Springman, of Oklahoma City, who will present *Finding Simpson Sand Production in Southern Oklahoma with 3-Dimensional Seismic Data*. If you are not receiving information regarding KGS programs, please request a copy of scheduled papers from Bob Cowdery at sbc@southwind.net.

We are scheduled for the 2006 Distinguished Lecture, presented by Dr. Gary Mavko, on February 3, 2006. The Distinguished Lecture series sponsored by the Society of Exploration Geophysicists is always of excellent quality and we are very excited to be included

2005-06 Council

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on the schedule. An abstract for Dr. Mavko’s talk will follow in the January issue of this Newsletter.

I hope to see all of our members at these papers!

And, finally, the Society of Exploration Geophysicists is having its International Exposition and 75th Annual Meeting in Houston on November 6-11. This 75th anniversary should be a memorable occasion.

Rick Saenger

The Crew Tracker As of October 24, 2005

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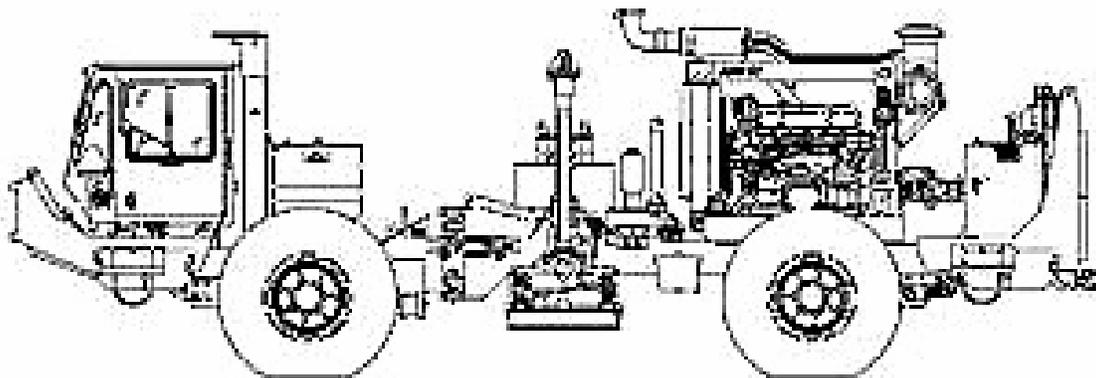
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Professional Directory



Rick Steineck

Senior Processing Geophysicist
rsteineck@echogeo.com

1999 Broadway, Suite 3100
Denver, CO 80202
303.893.9014 - 303.893.4050 (fax)
denver@echogeo.com

15995 N. Barkers Landing, Suite 110
Houston, TX 77079
281.759.3246 - 281.597.9989 (fax)
houston@echogeo.com



JERRY LAWSON

Operations Manager

PGS Onshore, Inc.
15150 Memorial Drive
Houston, Texas 77079
USA

Tel: (281) 509-8000
Fax: (281) 509-8088
Direct: (281) 509-8238
Mobile: (713) 898-5576

E-mail: jerry.lawson@pgs.com
www.pgs.com



JOE ROSAS

Manager Multi Client Services, Mid Continent

PGS Onshore, Inc.
15150 Memorial Drive
Houston, Texas 77079
USA

Tel: (281) 509-8000
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P.O. Box 48069
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OUR MISSION:

To provide our members a quality venue for disseminating geophysically focused information pertinent to Kansas and surrounding regions.

We also seek to advance the geosciences by providing members opportunities to increase the understanding of geophysical principles and practice.

If you are aware of speakers / topics which would benefit members, let us know, and we'll pursue.

Additionally, we are actively seeking research papers and results to share with our audience. If you are interested in publishing your work, please contact Editor Rick Miller.

We're on the web. Check us out at
<http://gskseg.org>

New Members

The Geophysical Society of Kansas is pleased to welcome the following new members:

Name	Affiliation	Location
Alfred James III	Independent	Wichita, KS
Robert Hefner IV	Berexco Inc.	Edmond, OK
Richard A. Steineck	Echo Geophysical Corp.	Denver, CO
Kim Nordberg	Exsell Services	Centennial, CO
Mike Comeau	Lockhart Geophysical	Denver, CO

GSK ADVERTISING

GSK is seeking subscribers to fill space in future newsletters. Our publishing cycle is bi-monthly, January-February, March-April, etc.

Preferred formats for electronic files are typical Word document (.doc), .jpg, .pdf, etc. Please check with us if you have questions.

ADVERTISING RATE SCHEDULE

Description	Single Issue Rate	6 Issue Rate
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