

The Denver Well Logging Society

Chapter of the Society of Professional Well Log Analysts

Chapter News

November 1999, Volume 12 Number 3

Formation Evaluation for Coalbed Methane Wells

John P. Seidle

ABSTRACT

Coal deposits contain substantial amounts of gas and represent an important, emerging unconventional gas resource. Some logging techniques used for evaluation of conventional reservoirs work well with coals, some do not. This talk will briefly cover the size and nature of the US coalbed methane resource then discuss selected wireline logs and other techniques to evaluate coalbed methane rates and reserves. Several field examples will be presented. Lastly, areas for future work will be identified.

Dr. Seidle is a Senior Reservoir Engineer with Sproule Associates Inc. in Denver. After receiving a PhD in Mechanical Engineering from the University of Colorado in 1981, he was involved in coalbed methane technology development at Amoco for 18 years.

His experience includes exploration and production plays in thirteen domestic coal basins and six foreign countries. His current research interests include coalbed methane reservoir engineering, well testing, reservoir simulation, and formation evaluation.

Meeting Information

When

Tuesday, November 16, 1999
11:30 A.M. - 1:30 P.M.

Where

Wynkoop Brewing Company
1634 18th St. (18th & Wynkoop)
Mercantile Room

Cost

\$15 per person

Reservations

Reservations must be made by
noon, Monday, November 15.
Call Elice Wickham @
(303) 573-2781



President's Message

Phil Nelson

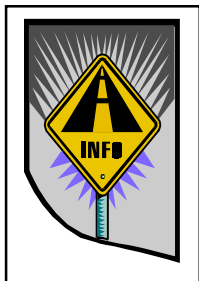
This column continues to highlight the services and materials available to the Denver well logging community. These profiles concentrate upon, but are not be limited to the DWLS membership. For this issue, we feature two companies which offer consulting services and two individual consultants with expertise in Russia

Sproule Associates Inc.

Sproule Associates Inc., a group of geological and petroleum engineering consultants, performs services for domestic and international oil and gas companies, financial organizations, and government agencies. Sproule was founded in 1951 and has a total of 95 employees with offices in Denver, Calgary, and Houston. DWLS members are Jeanette DuBois, Jeffrey Rhodes, and Leslie O'Connor.

Sproule specializes in reservoir studies, reserve and economic evaluations, geological and petrophysical evaluations. The firm also offers expert witness services as well as litigation support.

The **DWLS Chapter News** is the newsletter of the Denver Well Logging Society and is published nine times per year, excluding June, July and August. Subscriptions are included with membership. Annual dues are \$5 for SPWLA members and \$10 for nonmembers. Advertising is welcome, as are articles and items of interest from the membership. Contact the Editor for information or address corrections.



Geological evaluations incorporate all pertinent geological as well as available geophysical information. The Sproule staff is proficient in both Landmark

(ARIES) software and Merak (PEEP) economic software.

Location: 1675 Broadway, Suite 1130, Denver 80202;
Website: www.sproule.com;
Email: leslie.oconnor@sproule.com;
Telephone: 303 592 8770.

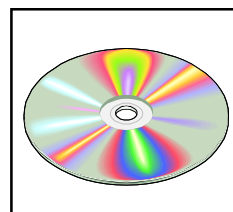
Discovery Group

Bob and Sue Cluff started the Discovery Group in 1987. They both began their careers as geologists describing core and integrating core analysis; Sue at Chevron Oil Field Research and Bob at the Illinois State Geological Survey. They then added exploration, development, and formation evaluation experience before starting the Discovery Group. Cathy Murphy rounds out the staff as resident stratigrapher and computer mapping specialist.

The major strength of the Discovery Group is the ability to work with disparate types of information and integrate all available data into a coherent geological-petrophysical model.

They have worked on providing the reservoir characterization for use by engineers in reservoir simulations and to help evaluate several large sales packages. They have completed field studies on fields throughout North America and most other parts of the world, providing recommendations for development strategy.

In recent years, Discovery Group has worked extensively in the tight gas sands of the Green River Basin, participating in two GRI studies and evaluating Lance (Jonah, Cave Gulch), Mesaverde (Siberia Ridge, Standard Draw-Echo Springs, and Piceance basin), and Frontier-Dakota (Moxa Arch) fields



for the major players in the area. They also completed several very large reservoir studies in Latin America

including Venezuela, Argentina, Bolivia, Chile, and currently southeast Mexico.

Location: 1560 Broadway, Suite 1470, Denver, 80202;
Telephone 303 831-1515;
email: SueCluff@discovery-group.com

Attendance Incentive!!

Attendees at the October luncheon will be rewarded by a free cdrom-of-the-month, selected by Phil Nelson.

Asher Atkinson, Petrophysical Consultant

Asher Atkinson has worked as a consulting petrophysicist since 1981 and has returned to Denver after twelve years of project work in such foreign places as California and Houston as well as Colombia, Egypt, the Timen-Pechora basin of Russia, Western Siberia, Qatar, and Bangladesh. The last six years were spent as a Senior Engineering Advisor-Petrophysics with Occidental International Exploration and Production Company. Fourteen months in Qatar dealt mainly with horizontal wells and LWD logs, whereas a year in Russia was spent working mostly with Russian logs and 1960 technology. Asher has had experience with both the old and the new, including image logs and nuclear magnetic resonance logs. He speaks, reads, and writes Russian.

Phone: 303 721 6561; Email: asheratkinson@uswest.net

George M. Carlstrom, Consultant

George has provided Geological Engineering services to the Petroleum industry since 1975 when he joined Tenneco Oil E&P and worked the Gulf Coast and Rocky Mountain regions. Since 1989 he has been working domestic and international projects as a consultant and independent geologist. With Linda Jacobs, he worked on the evaluation of conventional and non-conventional gas reservoirs, including coal bed methane, and participated in the equity determinations of the elk Hills Field in California.

George is currently the Deputy Chief Geologist for LUKoil-AIK, a petroleum joint venture in the West Siberian Basin of Russia. The joint venture operates Kogalym Field which has reserves of 330 MMBO and is producing over 5000 tons (37,000 bbl.) of oil per day. In his present position George has become familiar with the Cretaceous and Jurassic geology of Western Siberia, Russian logging techniques and the evaluation of Russian logs as well as the business aspects of Russian joint ventures.

Phone: 303 713 9180; Fax: 303 713 9989; Email: gcarlstrom@yahoo.com

Note: If you would like to have your company/organization profiled in this column, send a short writeup to Phil at pnelson@usgs.gov.



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Yes: _____ Dues are \$5.00 (Dual Membership)

No: _____ Dues are \$10.00 (Local Member only)

Make cheque payable to the **Denver Well Logging Society** and send to:

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Attn: Steve Richards

c/o Schlumberger Oilfield Services

6090 Greenwood Plaza Blvd.


Englewood, CO 80111

Do you have any suggestions for lunch topics?

Schlumberger

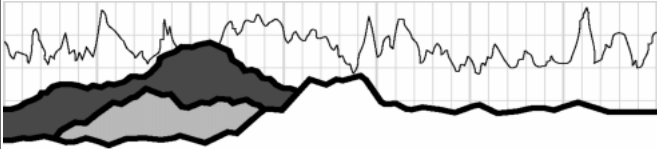
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