



October 2009

Los Angeles Basin Geological Society Newsletter

October 22nd (Thursday), 2009 Meeting: Andre' Brown - Director of Western Exploration and Operations and Alan Silliman - Senior Technical Associate, Geosciences for the Survey Products Group of W.L. Gore & Associates, Inc.

Will speak on . . .

“GORE® Exploration Survey - A Powerful Risk Reduction Method for Oil and Gas Exploration”

Note Time Change - Meeting starts @ 12 noon

Speaker Abstract

Surface geochemical exploration methods which identify the presence of petroleum hydrocarbons are an effective means of lowering oil and gas exploration risk and finding costs. **Previous efforts** to characterize trapped subsurface accumulations using surface methods have **relied on measuring and interpreting gaseous flux or concentration**. These measurements are **short-term and transitory in nature** and subject to considerable **unaccounted variability** affecting quantification and interpretation. This presentation describes a **drill-bit supported (~90% success rates)** methodology which delineates the **time-integrated geochemical signature through the stratigraphic column** and measured over a survey area. Geochemical survey **signatures are correlated** with known geochemical signatures of the **stratigraphic column at selected productive and dry wells**, which respectively characterize **reservoir geochemistry and background geochemical signal**. Chemical signatures composed of ~90 organic compounds provide compound-rich data, which **surmounts the variability of flux/concentration measurements**. A dataset is obtained that allows **differentiation between the productive geochemical signature and background hydrocarbon signature**.

This methodology, **not subject to weather or climatic variations**, is in worldwide use in permafrost, desert, temperate, and tropical conditions. Data acquisition and interpretation are **not limited by difficult lithology**. Costs are at least an order of magnitude lower than traditional geophysical data collection and interpretation techniques, allowing the affordable addition of this risk reduction technique to the exploration tools portfolio.

Survey results are typically incorporated with geophysical data to locate prospective areas within a concession, high-grade prospects, identify basin-centered “sweet-spots”, and define accumulation margins. Risk reduction case studies highlighting surface geochemical integration with traditional geophysical results are presented. **A variety of geochemical survey objectives will be presented, including frontier and reconnaissance, production field infill, and offshore applications.**

Speaker Biography

Andre' Brown, P.E. Director, Western Exploration and Operations, Survey Products Group for W.L. Gore & Associates, Inc. B.S. in Mechanical Engineering from the University of South Carolina, a M.S. in Ocean Engineering from the University of Hawaii, and a M.B.A. in Operations Management from California State University. Experience includes 19+ years in petroleum exploration and environmental project management in the Western U.S., Mexico, Canada and the Pacific Rim.

Alan H. Silliman - Senior Technical Associate, Geosciences, Survey Products Group (Petroleum Exploration), W. L. Gore & Associates, Inc. M.S. Geology (geophysics), University of Colorado Boulder, 1985, B.A. Geology, Hamilton College, 1982. Experience includes 23+ years with surface geochemistry application, geologic and geochemical project management. Includes statistical modeling, operations department management, geologic and geochemical consulting.

Meeting Time, Place, Cost and Reservations

Time:

Thursday, October 22, 2009 - This meeting has been moved back and will start @ 12 Noon

Typical Meeting Agenda

Lunch Served: 11:30 AM to 12:00PM
Announcements: 11:45 AM to 12:00 PM
Guest Speaker: 12:00 PM to 12:30PM
Questions/Close: 12:30 PM to 12:45 PM

Place:

The Grand at Willow Street Conference Center located at 4101 East Willow Street, Long Beach, CA. (562-426-0555). Take Lakewood Boulevard south from the San Diego Freeway (405), turn west onto Willow Street and turn right onto Grand Avenue at the sign for the Center. Park free in the garage structure.

Cost:

Lunch and Speaker: \$20.00 with reservations
\$25.00 without reservations
Student: FREE (Lunch and Speaker)

Meeting Reservations:

Make your reservations using our web site at www.labgs.org, by calling Marieke at (562) 624-3364., or emailing Marieke_Gaudet@Oxy.com. Reservations made prior to Tuesday before the meeting is appreciated, but walk-ons are welcome.

LABGS Don Clark Brunton Award

The Los Angeles Basin Geological Society is pleased to announce it has chosen Douglas Thoin as the recipient of the 2009 Don Clarke Brunton Award. The LABGS Don Clarke Brunton Award was created as an annual gift of encouragement and recognition to those community college students who show dedication and passion to the field of Geoscience. It is our goal to encourage future geoscientists in their pursuits. Douglas was nominated for this award by Dr. Doug Britton of Long Beach City College, who provided the scholarship committee with his qualifications and a letter of recommendation.

Shortly, the Society will turn their attention toward the identification of a qualified applicant for the 2010 award. Check our website.

Contact Us – The LABGS Board

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OUR WEB SITE ADDRESS IS:
www.labgs.org

Student Sponsorship

Both Halliburton and Schlumberger are defraying the cost to the Society of our students-at-the-monthly meetings program. *Students are free at all meetings.* Thank you.

Upcoming 2009-2010 LABGS Speaker/Event Schedule

November & December - Holiday Break
January 28, 2010 – possible AAPG Distinguish Lecturer - Bruce Hart, ConocoPhillips, Houston, Texas. Lecture: “Reservoir Scale Seismic Stratigraphy: A call to Integration.”
If you have a speaker suggestion, please mention it to a Board member!!

Other Events

PSAAPG 2010 Convention

May 27-29, 2010 Anaheim, see www.PSAAPG.org for more details

National AAPG 2010 Convention

New Orleans, LA, 11-14 April 2010, see www.AAPG.org for more details.

LABGS Brunton Award

The LABGS Brunton Award is given to a qualified undergraduate student attending a four-year LA Basin College or University currently pursuing a baccalaureate degree in Geology or the Earth Sciences. *The Society is currently looking for qualified applicants for the 2009 award. Check our website for details and forms.*

TOTY

The Los Angeles Basin Geological Society is pleased to announce it has chosen Thomas J "Tom" Hollis as the recipient of the 2009 LABGS Teacher of the Year (TOTY) Award. The TOTY is a \$250 award for a teacher with 3+ years experience in K-12, who teaches at least one unit per year in the natural resources. Please see our website www.LABGS.org, for more details.

Important News

Recently Enacted Legislation to Abolish the California Board for Geologists and Geophysicists

As part of the budget package of bills introduced during the 4th Extraordinary Session of the California Legislature, known as ABx4 20, legislation was introduced to include merging the Board for Geologists and Geophysicists (BGG) with the Board for Professional Engineers and Land Surveyors (BPELS). Because the bill was amended and distributed in the final hours of legislation, it is believed very few had time to fully review its content and understand its impact. The Governor signed the budget package of bills into law on July 28, 2009 and will become effective October 23, 2009. This legislation will abolish the present BGG and transfer its responsibilities to the BPELS. It is unknown at this time if the engineers can provide the level of geoscience oversight and regulatory enforcement necessary to protect the public of this state. The public's safety is at great risk by this move and needs to be further evaluated. A ground swell of actions are being considered in order to fight the elimination of the BGG, I encourage people that are interested to seek further information and visit the BGG website. (www.geology.ca.gov)

Los Angeles Basin Geological Association Advertising Costs 2008-2009

Newsletter and SoCal website posting:

- Business Card size ad \$25/month \$230/year
- 1/4 Page \$45/month \$450/year

Website posting only: \$20/month



President's Note

To all our members,

One thing is for sure, nature is dynamic, that is clearly evident in Glacier Bay, Alaska - the backdrop above is just one of the many beautiful glaciers which flow into the bay, a mass of frozen ice in constant motion.

It seems your LABGS committee is also in motion, trying very hard to bring you a diverse program that will interest a wide spectrum of members. I need you to mark your calendars, 4th Thursday of January through May, 2010. Yep – this October 22nd meeting on subsurface geochemical signature surveys will conclude our Fall program. This type of technology can be utilized in a vast number of applications, so I hope to see everyone there. In January we start right out of the box with a possible AAPG Distinguished AAPG lecturer.

I also urge you to read the News column to the left. Recent California Legislature has passed that will eliminate the Board of Geologist and geophysicists (BGG). The BGG's duties and responsibilities will be integrated into the engineering board. California's public safety could be impacted!



Los Angeles Basin Geological Society Membership Form

Join the LABGS and become a member of the Pacific Section AAPG all for one low price of \$12.00 per year - 2 West Coast Geoscience Organizations for the price of one



Membership Benefits

- LABGS Membership
- Monthly Luncheon Meetings with Strong Technical Programs
- Pacific Section AAPG Membership
- Pacific Section AAPG Bi-Monthly Newsletter
- Discounts for PSAAPG Bookstore Publications
- Bi-Annual West Coast Geoscience Directory - *next edition 6/03*
- Networking and Social Opportunities with Fellow Geoscientists

Current Annual LABGS/PSAAPG Dues

1 Year Option = \$12.00 \$ _____
3 Year Option = \$36.00 \$ _____

Extended E-Mail Announcement List Fees

To receive meeting notices from SJGS and CGS
1 Year Option = \$12.00 \$ _____
3 Year Option = \$36.00 \$ _____

PSAAPG Foundation Contributions

B. Hacker Publication Fund \$ _____
Martin Van Couvering Fund \$ _____
Dibble Map Foundation \$ _____
California Well Sample Repository \$ _____
John Kilkenny Scholarship Fund \$ _____
PSAAPG Foundation Trust Fund \$ _____

TOTAL PAYMENT

Total Amount Enclosed \$ _____

Essential Member Information

Last Name _____
First Name _____
Middle Initial _____
E-Mail Address _____
Mail Address _____
Res or Bus ? _____

Additional Directory Information

Employer _____
Position / Title _____
Bus Phone # _____
Res Phone # _____
Fax Phone # _____
Spouse's Name _____
Education *Highest Degree* _____ *Year* _____
School _____

Signature _____

Annual membership is handled through PSAAPG and runs from July 1, through June 30. If you are already a current member of PSAAPG and you selected LABGS affiliation you are already a member of the LABGS.

**Please Make Checks out to PSAAPG and mail along with member form to:
PSAAPG P.O. Box 1072, Bakersfield, CA 93302**