



October 2007

Los Angeles Basin Geological Society Newsletter

October 25, 2007 Meeting: Ms. Erika Bowen of Schlumberger

Will speak on . . .

“Hitting the target” with PeriScope15: Reservoir based geo-steering

Speaker Synopsis / Abstract

Maximizing primary recovery in mature oilfields often relies on horizontal drilling programs that allow maximum exposure to the well bore. In order to efficiently enact this geo-steering has risen in emphasis focusing of position the well in reference to the reservoir based on real time measurement as opposed to geometric drilling plans. In order to enable the extension the success of horizontal drilling into more challenging reservoirs Schlumberger has developed the PeriScope15 LWD (Logging While Drilling) system, a deep reading and directional resistivity tool. The ability to now quantitatively monitor geologic boundaries at a distance of up to 15 feet from the well path allows economic success in areas where production is dependent not just on being in the reservoir, but also on being located in the correct relative position within the target.

This innovative technology allows the economic production of reservoirs that would otherwise be inaccessible. A current example is the on-going work being performed by Warren Resources in the Wilmington field, Los Angeles CA. Warren Resources, with a 98% working interest in the 1400 acre Wilmington Townlot Unit #1, was originally focused on a secondary recovery program on the Terminal formation. New drilling in the Terminal showed the shallower Tar formation still retained a thick oil leg. The water drive present in the Tar formation coupled with the heavy oil (14 API) made vertical well production uneconomic due to rapid water coning. This set the stage for a horizontal development program. Long term success is predicted in being able to maintain the wellpaths within the upper 15' of the formation. The unique

measurements available from PeriScope15 have allowed development of this target that would otherwise have been considered too high risk. Success had been proven by 3 fold increase in field production with sustained rates of over 100 bbl/d per well.

Erika Bowen is the Schlumberger Well Placement Coordinator for US Land – West. She has been an employee of Schlumberger since 1999. She received her B.S. in geology and M.S. in hydrology from New Mexico Institute of Mining and Technology. Her background from Schlumberger has crossed many disciplines from wireline, petrophysics, production, reservoir modeling, and currently geo-steering / well placement

**A GREAT TALK TO FIND OUT
ABOUT THE LATEST TOOL IN
THE OIL PATCH !!!**

Meeting Time, Place, Cost and Reservations

Time:

Thursday, October 25, 2007

Typical Meeting Agenda

Lunch Served: 11:30 AM to 12:00PM
Announcements: 11:50 AM to 12:15 PM
Guest Speaker: 12:15 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, emailing iaburto@breitburn.com or calling Ivan Aburto at (213) 225-5900 ext. 234. **Reservations must be made prior to Tuesday** before the meeting, but walk-ons are always welcome.

Upcoming 2007 - 08 Speaker Schedule

October 25, 2007 – Ms. Erika Bowen on Schlumberger's new Periscope™ drilling technology.

November 22, 2007 – No meeting.

December, 2007 – No meeting.

January 24, 2008 – Dr. Azzam Alwash on restoration of the Tigris and Euphrates marshes in Iraq, and other topics. Joint meeting with Los Angeles Association of Petroleum Landmen.


If you have a speaker suggestion, please mention it to a Board member !!

DAVID B. DEL MAR
Consulting Petroleum Geologist
California Registered Geologist #634
Development – Thermal EOR – Property Reviews

2027 Park Drive
Los Angeles, CA 90026

H (323) 664-3358
dbdelmar@earthlink.net

WE'LL BE THERE



Epoch is one of the energy industry's leading suppliers of wellsite data gathering systems. Our drilling instrumentation products, wellsite reporting software and mud logging services are industry leaders, and myWells.com allows you to access that information anytime, anywhere. That means you can make more timely decisions that deliver efficiency and economy. If real time, accurate wellsite information is important to you, call Epoch. We'll be there.

EPOCH

3919 Rosedale Hwy. • Bakersfield, CA 93308 • 661.328.1595
www.epochwellservices.com • www.mywells.com

Your Name Here!
Advertising in newsletters is available!
Advertising rates for a business card size ad is \$90 for one year (9 issues). These fees help offset our publishing costs. If interested please contact a Board member.

The LABGS Brunton Award

The 2007 recipient of the LABGS Brunton award is Ms. Jacqueline Arellano Chavez of CSULB. Ms. Chavez is getting a BS in Geology and expects to graduate in the summer of 2008. Jackie's advisor, Dr. Rick Behl, is impressed by her tenacity, dedication, effort, and insight in her classwork. Jackie collaborates well with others and has been working at EarthTech in Long Beach, and has been doing independent paleontology work for Dr. Stanley Finney. The Brunton will come in handy during her field camp in the summer of 2008.

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 a qualified applicant for the 2008 award.

SELECTION PROCESS

The award winner is selected from candidates nominated by a faculty member. The winner is selected based on the following criteria:

- Grade point average in earth science classes.
- An enthusiastic or special recommendation from the college advisor, department chair, or mentor professor

The Don Clarke Award

The Don Clarke Brunton Award is given to a qualified student graduating from an LA Basin Community College with an Associate Degree, enrolled in a Geology or Earth Science curriculum with plans to pursue a baccalaureate degree in Geology or the Earth Sciences.

The Society is currently looking for qualified applicants for the 2008 award.

To qualify for this LABGS award, the student must meet the following criteria:

- Plan to graduate in 2008 with an Associate Degree from a Los Angeles Basin Area Community College.
- Complete a Geology or Earth Science curriculum.
- Must be pursuing plans to enroll in a four-year college or university with Geology, Geological Sciences, or Earth Science as their designated major.

Elections

- The time for elections is now. You will find an election ballot with this newsletter. Please fill this out and return to the October mtg, mail it to Jon Kuespert by the end of October, or fill one out at the October Mtg.

Student Sponsorship

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

Imperial Barrel Award

The Imperial Barrel Award is a 30+ year program / contest for graduate-level students at universities around the world. The student teams interpret and review geological, geophysical, land and economic data and then present it to a review team composed of oil & gas professionals. National AAPG sponsored the 2007 version at the National Convention in Long Beach. The response was so good and the feedback was so positive that they decided to hold it again at San Antonio in 2008.

This year, each Section and Region will hold preliminaries in December to January and then select one team to represent the Section and/or Region in San Antonio. All of the Section and Region teams will vie for the grand prize against teams from around the world. Each team will be compensated for travel, accommodations and registration at San Antonio.

The grand prize is \$20,000, the second is \$10,000, and the third is \$5,000.

This info has been sent to many of the PSAAPG schools in California. Please send this to your alma mater and forward this to other schools that might be interested. PSAAPG is working on identifying a Section Coordinator. Volunteers are welcomed.

More info can be found at www.aapg.org/iba.

This is a great opportunity for students to get exposed to a real-life project and get a great trip to the National Convention.

President's Note

Contact Us – The LABGS Board

President: Jon Kuespert (213) 225-5900 x 224
jkuespert@breitburn.com

Program Chair: nominee-in-place

Treasurer: nominee in-place

Secretary: nominee-in-place

OUR WEB SITE ADDRESS IS:
www.labgs.org

To all our members,

The season has started and we are into full meeting swing. Last month's talk was given by Dr. Nate Onderdonk of CSULB. Dr. Onderdonk spoke on **“What makes southern California spin? A look at rotational tectonics along the San Andreas plate boundary”**. I understand that a lively discussion ensued ! ! ! !

Our next talk will be Ms. Erika Bowen of Schlumberger talking about their new **Periscope™** drilling tool, applications and results. This should be very interesting and a treat to those of you in the heart of the patch trying to produce as much oil as possible. Please tell your favorite drilling person about this.

And it is ELECTION time. We have a ballot in this newsletter and I encourage you to vote.

The Imperial Barrel Award is the big thing now. What is it you ask? See this newsletter for more info, in fact the column above my note!

Thanks!

Jon

**Election for LABGS positions
2007- 2008**

**Talk Topics
(choose 4)**

For the position of President

Jon Kuespert

Other _____

For the position of VP/ Program Chair

Bill Long (OXY)

Other _____

For the position of Treasurer

Marieke Gaudet

Other _____

For the position of Secretary

Jean Kulla

Other _____

Astronomy

Atmospheric Science

Basic Geology

Environmental Geology

Missions to Jupiter/Mars/Saturn

Ocean Exploration

Planetary Geology

Physical Oceanography

Remote Sensing

Seismic Acquisition/Interpretation

Solid Earth Geology

Vendor Technology

Other Choice . . .

Fold, stamp (*thank you*) and mail to:
Jon Kuespert, c/o BreitBurn Energy,
515 So. Flower St., Los Angeles, CA 90071



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**