



November 2004

Los Angeles Basin Geological Society Newsletter

November Meeting: Don Clarke

Will speak on

THE FAULTS OF THE WILMINGTON OIL FIELD

Speaker Synopsis / Abstract

Donald D. Clarke is the Division Engineer for Geology with the Department of Oil Properties, City of Long Beach, California. Don, a native of the Los Angeles basin, received his bachelor's degree in geology from California State University, Northridge and did additional graduate studies at California State Universities, Northridge, Los Angeles and Long Beach. Don has been an active member of the Los Angeles Basin Geologic Society since 1974, and served as president from 1996 to 2001. He is active in the Pacific Section, AAPG, serving as the general chairman for the 1993 Annual Meeting and as the co-general chairman for the year 2000 Joint PSAAPG Western Regional SPE Annual Meeting. He served as program chairman for the 1989 Annual Meeting. He served as the Pacific Sections representative on the AAPG Advisory Council (2001-2003).

Don began his career in 1974 as an Energy and Mineral Resources Engineer with the California State Lands Commission, where he worked extensively on the giant Wilmington oil field and the California offshore. In 1981 he took a position as senior geologist with the City of Long Beach Department of Oil Properties, which acts as the unit operator for the Wilmington oil field. He served as chairman of the Long Beach Unit Equity Geology and Sand Volume Subcommittees. Other work included Division Engineer of Subsidence, geological hazards and some environmental geology. He continues to work for Oil Properties as Division Engineer in charge of geology.

Over the years Don has focused on community outreach and education. He has spoken on geology to every high and middle school and many elementary schools in Long Beach and the surrounding areas. He has also spoken at most of the universities and to many community organizations. Don also teaches geology at Compton Community College.

Mr. Clarke received the AAPG Distinguished Service Award in 2002 and the AAPG Division of Environmental Geosciences Public Outreach Award in 2004. In 2003 he received the Pacific Section AAPG Honorary Life Membership.

Don Clarke has published or presented over fifty technical papers on topics that include computer mapping, sequence stratigraphy, horizontal drilling, structural geology and reservoir evaluation. In September 2002 Mr. Clarke presented a paper entitled "Exploration and Production in an Urban Environment" in Washington DC to Congressional staff for the AAPG Presidents Summit on Energy.

The Wilmington Oil Field is one of the largest oil fields in the United States with a cumulative production of over 2.6 billion barrels of oil. The field occurs within a large faulted anticline that goes from Wilmington to Long Beach. The sixteen-mile long anticline is faulted extensively and there are ten larger fault blocks that define the oil reservoirs. The field was formed between the Newport-Inglewood and the Palos Verdes faults (both right-lateral strike slip). The anticline is slightly sigmoidal and trends northwest to southeast. Most of the major faults trend nearly north-south. The far eastern portion of the field is marked by longitudinal faults. The interpretation of this fault pattern has been the subject of major discussion over the years. As the field passes from mature to old age in production, geologists will need to understand the field's faulting in order to better exploit the reserves.

Examples of the task at hand will be shown.

Visit the LABGS at www.LABGS.org

Time & Place

Time:

Thursday, November 18, 2004

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

Cost:

Lunch and Speaker: \$20.00 with reservations
\$23.00 without reservations
Student: \$ 5.00 (Lunch and Speaker)

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.

LABGS Future Meetings

Lunch meetings are held at *The Grand at Willow Street Conference Center*. Lunch starts at 11:30 AM

2004 Speaker Schedule

November 18, 2004 - Don Clarke – City of Long Beach Oil Properties

The Faults of the Wilmington Oil Field

December 23, 2004 – No Meeting

Merry Christmas

January 27, 2004 – TBA

Announcements / Information

Be Advised:

The Luncheon Cost Increased to \$20.

In October, the Los Angeles Basin Geological Society Board of Directors increased the fees we charge for our monthly meeting. The increase is necessary to offset the cost of the luncheon and allow us to sponsor students attending the meeting to pay only \$5. The board discovered that \$20 is in line with luncheon conducted by similar organizations. We hope this modest increase doesn't cause anyone to stop coming each month



New LABGS Publication

Guidebooks from the 2004 LABGS Field Trip Examining the Catalina Schist and the Palos Verdes Peninsula are now on sale!

The guidebook will be available at the LABGS meeting on November 18, 2004. The cost of the guidebook is \$20. The book is 179 pages and printed in color. There is enough detail to allow you to recreate the trip on your own. Dick Brown organized and led the trip on June 26, 2004 and edited the Guidebook. You may also purchase a copy by contacting Dick Brown, via email or by phone (see list of contacts, this newsletter). **Photos of the trip are now posted on our web site at www.labgs.org. Check them out!**

Your Name Here!

Advertising in this newsletter is now available!
Advertising rates for a business card size add are \$60.00 for six issues. These fees help offset our publishing costs. If interested, please contact Dalton Lockman

LABGS T-Shirts NOW ON SALE

The LABGS sells T-Shirts to generate additional funds to help support our scholarship and field trip activities. These will make a great Christmas gift for those who have everything. The shirt displays the LABGS logo on the Back with the words "LA Rocks" on the Front. The Price of the shirts is \$15.00, and they are available at our luncheon meetings or by contacting Ivan Aburto (see contact list in this newsletter). Sizes are limited to Medium, Large, and Extra Large. **Buy one at the November Meeting!**

Buy It
Today

CD VERSION Neotectonics and Coastal Instability, Orange and Northern San Diego Counties, California 2000 PSAAPG and WRSPE Field Trip Guidebook

The LABGS is pleased to offer, in CD Format, a scanned version of the original field trip guidebook "Neotectonics and Coastal Instability of Orange and Northern San Diego Counties". The original hardcopy volume was the guidebook for the PSAAPG / WRSPE joint convention held in Long Beach in 2000 and only provided to those in attendance. In this CD release, the editors have scanned all the maps and charts and included them with the technical reports that influence the interpretation of the neotectonics and coastal instability of Orange and northern San Diego counties. **The cost of the CD version is \$28.00 at our luncheon meetings. You can also order directly from the PSAAPG web site at www.psaapg.org. The cost from PSAAPG is \$30. Proceeds of the sale go to the LABGS and PSAAPG.**

Call for LABGS Annual Field Trip Spring / Summer 2005

Our annual field trip is in need of a leader and a topic. The board is soliciting ideas for a 1-day trip this spring. Trip logistics will be handled by a committee, but a leader is needed to organize the geological portion of the trip. Please contact, any of the board members if you have ideas or you want to lead a trip. The board will be moving forward in January to select a trip.

LABGS Membership Info!

Become a member of the LABGS and enjoy the benefits of membership. Our goal is to provide a value added service to the geologic community of the LA area at a reasonable cost. If you join the LABGS you also become a member of the PSAAPG and vice versa. The purpose of this is to reduce waste and duplicated effort. Check out the membership form for a list of the dual membership benefits. Membership is our primary source of income, so I urge you all to join or renew. **To join or renew**, fill out the attached membership form and mail it in to PSAAPG or better yet bring it to the next meeting. This will ensure you are on our lists and the only way you can request a hard copy through the mail. The use of E-mail is our preferred method of distribution so please make sure we have your address

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

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www.epochwellservices.com • www.mywells.com

Contact Us – The LABGS board

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Secretary: Ivan Aburto (213) 225-5900, ext. 234

iaburto@breitburn.com

Treasurer: Steve Zigan, (949) 355-4467

szigan@eri-us.com

OUR WEB SITE ADDRESS IS:

www.labgs.org



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	_____
<i>Res or Bus ?</i>	_____

Additional Directory Information					
Employer	_____				
Position / Title	_____				
Bus Phone #	_____				
Res Phone #	_____				
Fax Phone #	_____				
Spouse's Name	_____				
Education	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center; border: none;"><i>Highest Degree</i></td> <td style="text-align: center; border: none;"><i>Year</i></td> </tr> <tr> <td style="border: none;">_____</td> <td style="border: none;">_____</td> </tr> </table>	<i>Highest Degree</i>	<i>Year</i>	_____	_____
<i>Highest Degree</i>	<i>Year</i>				
_____	_____				
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**