



January 2013

LOS ANGELES BASIN GEOLOGICAL SOCIETY MEETING ANNOUNCEMENT

January 24th (Thursday) Ted Johnson, Los Angeles, CA; Chief Hydrogeologist, Water Replenishment District of Southern California.

will speak on:

Hydraulic Fracturing and Groundwater: A Perspective from an LA Water District

This is a joint meeting with the Los Angeles Association of Petroleum Landmen (LAAPL) – So come and join us all and hear a great talk!

Abstract

Over the past few years, media reports and movies such as “Gasland” have featured stories about perceived impacts to the environment from the practice of hydraulic fracturing to enhance oil and gas recovery. This procedure, also known as “fracking,” has been going on for decades in the United States for conventional oil and gas well stimulation practices, but has seen broader application in recent years as hydrocarbon production has focused on unconventional methods in lower permeability geologic formations (shale) that were formerly thought too tight for economic hydrocarbon recovery.

One of the primary concerns about fracking is that fluids used contain chemicals that may migrate upward from the target reservoirs into overlying underground sources of drinking water (USDWs). Migration pathways can include natural or induced fractures, abandoned wells, or migration via poor cement seals in active oil and gas wells. California has a strong history of oil and gas production, as well as groundwater extraction for potable purposes, and so there is a natural concern whether fracking could be a risk to California’s groundwater supply.

The talk will present an overview of the hydraulic

fracturing practice, potential risks to groundwater, and potential monitoring and management techniques to minimize these risks. It will focus on the Central Basin and West Coast Basin in southwestern Los Angeles County, which are two of the most utilized urban groundwater basins in the State. There are also at least 30 oil fields in the CBWCB that have produced over 5.5 billion barrels of oil, with remaining reserves estimated at 380 million barrels. As fracking technology improves and becomes more prevalent in the State, appropriate regulations and monitoring will be needed to ensure protection of the groundwater resource.

Speaker’s Biography

Ted Johnson is the Chief Hydrogeologist at the Water Replenishment District of Southern California. He oversees projects related to managed aquifer recharge and water quality protection for the Central Basin and West Coast Basin of southern Los Angeles County. Lately he has been researching the hydraulic fracturing process to assess potential risks to groundwater in the WRD service area. Ted has over 26 years of Southern California groundwater experience and received his B.S. and M.S. degrees from California State University Fullerton. He is a California Professional Geologist and Certified

Hydrogeologist, and is on the Board of Directors of the Groundwater Resources Association of California.

Meeting Time, Place, Cost and Reservations

Time:

Thursday, Jan 24th, 2013

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: \$5.00 (Lunch and Speaker)

Meeting Reservations:

Make your reservations using our web site at www.labgs.org, or by calling Graham Wilson (562)-326-5278, or emailing gwilson@shpi.net.

Reservations must be made by 10:00 AM Tuesday morning prior to Thursday meeting to receive discount price noted above. As always walk-ins are welcome.

Attention: Pac Section AAPG dues are due. \$12/year is all it takes. For that price you become a member of the PacSecAAPG, which automatically makes you a LABGS member. A representation will be at our meeting with membership forms to complete and taking membership dues, come prepared - "Save yourself the stamp".

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



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