

San Joaquin Geological Society

Date: Tuesday, December 8, 2015

Time: 6:00 PM Social Hour 7:00 PM Dinner

8:00 PM Lecture

Place: Eagles Lodge

1718 17th Street, Bakersfield, CA 93302

PSAAPG Members & Mesozoics

\$25 with reservation \$30 without reservation

Non PSAAPG Members \$30 with reservation

Full-time Students with ID:

\$10 - Courtesy of Chevron & California Resources Corp.

* RSVP *

By: Sunday, December 6, 2015

PayPal on the Website: http://www.SanJoaquinGeologic alSociety.org/

or Reply to this email

SJGS WEBSITE

http://www.SanJoaquin GeologicalSociety.org/

SJGS OFFICERS

PRESIDENT
Ariel Auffant
Chevron

aauffant@chevron.com

VICE PRESIDENT

Courtney Marshall CRC

courtney.marshall@crc.com

SECRETARY

Beckie Burston
Chevron
661-654-7689 office
661-364-4845 cell
BeckieBurston@chevron.com

TREASURER

Jonathan Goodell CRC

goofeesh@yahoo.com

PRESIDENT-ELECT

Greg Gordon Aera

gsgordon@aeraenergy.com

PAST-PRESIDENT

Anne Draucker Chevron

What's New is Old and What's Old is New – An Historical Overview of Hydraulic Fracturing

Presented by Stephen Testa

Abstract: What history tells us is that everything has a beginning. The well enhancement technique known as hydraulic fracturing is a highly visible and controversial topic as exemplified by multitudes of news articles, regulatory workshops, local public hearings and documentaries and films. With all this media attention, one would think that hydraulic fracturing was some new innovative technology that only recently was being utilized on a grand scale and the cause of everything bad in the world. The concept of fracturing rock adjacent to a well bore to enhance production can be traced back to the mid-1860s with the development of the petroleum torpedo. Over time, developments in the use of fluids and proppants, pumping and blending equipment, and fracture-treatment design, have all contributed to the dramatic increase in the number of producing fields nationwide, and the role unconventional resources will play in the future. Through technological innovations, it is now estimated that about 30 percent of all U.S. recoverable oil and natural gas reserves are accessible via hydraulic fracturing.

(See expanded Abstract on http://sanjoaquingeologicalsociety.org/next-event/.)

Bio: Stephen Testa is the Past President of of the American Geosciences Institute (AGI), American Institute of Professional Geologists (AIPG), AAPG Energy Minerals Division, and Los Angeles Basin Geological Society. With over 30 years as an environmental and engineering geologist, since 2005 he has served as the Executive Officer of the California State Mining and Geology Board. He is the author of numerous books including the popular "One Man's Planet" published by AGI.

November Sponsor:

Kathy Smith with PacSeis