



San Joaquin Geological Society

Date: Tuesday, December 11, 2018

Time: 6:00 PM Social Hour
7:00 PM Dinner
8:00 PM Lecture

Place: American Legion Hall
2020 H Street, Bakersfield, CA 93302

PSAAPG Members
\$25 with reservation
\$30 without reservation

Non PSAAPG Members
\$30 with reservation

Full-time Students with ID:
\$10 - Courtesy of
California Resources Corporation

*** RSVP ***

**By: noon Monday,
December 10, 2018**

Register online:
<http://www.SanJoaquinGeologicalSociety.org/>

Pay online or at the door

SJGS WEBSITE

<http://www.SanJoaquinGeologicalSociety.org/>

SJGS OFFICERS

PRESIDENT

Jonathan Goodell
California Resources Corp.
Jonathan.Goodell@crc.com

VICE PRESIDENT

Kristy Whitaker
Berry Petroleum
kwhitaker@bry.com

SECRETARY

Lindsey Thompson
SageRider West
Lindsey.Thompson@sageriderwest.com

TREASURER

Jennifer Prosser
EnviroTech Consultants, Inc.
jprosser@envirotechteam.com

PRESIDENT-ELECT

Jeff Kimber
DOGGR
Jeff.Kimber@conservation.ca.gov

PAST-PRESIDENT

Cameron Campbell
DOGGR
Cameron.Campbell@conservation.ca.gov

The San Joaquin Basin – A California Super Basin

Presented by: Kurt Neher, Berry Petroleum

Abstract: The concept that breakthroughs and innovation are achieved by applying new ideas and technologies is nothing new, nor is it unique to any particular industry or business. One of the most spectacular technology revolutions in recent decades occurred in the energy sector with the rise in oil and gas production from mature basins, principally in the United States, from low porosity-permeability unconventional reservoirs. This has transformed the worldwide energy industry, and indeed global politics by disrupting the conventional oil and gas supply relationships that have existed for decades. The upstream sector is focused now on those mature basins worldwide with rich petroleum systems, utilizing technologies such as horizontal drilling and multistage hydraulic fracturing to recover oil and gas from stratigraphic horizons which just a few years ago were considered non-reservoir due to their low porosity and permeability. The concentration of investment in extracting hydrocarbons in low-risk, mature, hydrocarbon-rich basins, now known as super basins, comes at the expense of traditional higher-risk exploration.

California's mature San Joaquin basin meets all these criteria and classifies as a super basin. The richness of the basin is driven predominantly by the world-class Monterey formation source rock. Production, however, has declined over the last decade and has not seen the resurgence other onshore US basins have experienced like the Permian and Williston basins. California was the third largest producing state for many years, and only recently has slid to seventh as production surged in the other US onshore petroleum provinces. The San Joaquin basin has the rich petroleum systems, the service and support sectors, in-place infrastructure and a ready market in California to support the investments required to turn the production decline around and make the state a leading oil producer again. Industry needs to recognize this opportunity.

Biography: Kurt Neher has served as Berry Petroleum's Executive Vice President of Business Development since May 2017. Mr. Neher has over 30 years of diverse technical and commercial experience in the international and United States oil and gas exploration and production business with Shell, Occidental Petroleum ("Oxy"), and California Resources Corporation ("CRC"). Between December 2014 and May 2017, Mr. Neher held the position of Vice President of Business Development at CRC, in which he led the company's Business Development effort. Prior to joining CRC, Mr. Neher led Oxy's California-focused exploration team and production geoscience effort from January 2008 to November 2014. From 1994 to 2008, he worked in various roles at Oxy, including as Chief Geologist, Worldwide Exploration Manager and Exploration Vice President, Ecuador. From 1990 to 1994, Mr. Neher held a number of different positions with Shell's deepwater Gulf of Mexico group in New Orleans. Mr. Neher began his career in 1986 with Shell International in Houston. Mr. Neher has a Masters in Geology from the University of South Carolina and a Bachelors in Geology from Carleton College.

December Sponsor:

