



San Joaquin Geological Society

Date: Tuesday, June 9th, 2015

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

Place: American Legion
2020 H St. Bakersfield, CA 93301

PSAAPG Members & Mesozoics
\$25 w/ reservation
\$30 without reservation

Non PSAAPG Members
\$30 w/ reservation

Full-time Students with ID:
Free - Courtesy of Chevron &
California Resources Corp. (CRC)

*** RSVP ***

By: Friday, June 5th, 2015

PayPal on the Website:
<http://www.SanJoaquinGeologicalSociety.org/>

or Reply to this email
or by phone **619-944-1543**

SJGS WEBSITE

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

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STUDENT NIGHT

Two Student Presentations & a Dozen Posters!

Potential for Carbon Dioxide Sequestration and Enhanced Oil Recovery in the Vedder Formation, Greeley Field, San Joaquin Valley, California

Sam Jameson & Janice Gillespie - CSUB

ABSTRACT: The Vedder formation, Greeley field is one of three reservoirs identified in the San Joaquin Basin that meets standards for possible Carbon Capture and Storage (CCS) and Enhanced Oil Recovery (EOR). This study is a thorough assessment of the viability of CCS and EOR in the Vedder, Greeley field. Results to date are very favorable yielding a storage capacity of nearly 26 million metric tons (MMT), pressure response to injection of 873 MMT/yr/psi, close proximity to CO₂ source (4 miles), and EOR potential of almost 29 MMbbls. The presence of a strong water drive can have various effects on storage capacity and EOR potential. Future work includes research is on the implications of a water drive, static and dynamic flow modeling, geochemical impacts, and in depth cost benefit analysis.

BIOGRAPHY: Sam Jamison is a graduate of Wasco Union High School and received his BS in Geology in Geology from CSU Chico. He is currently finishing his MS in Petroleum Geology at CSU Bakersfield, working with Jan Gillespie.

GEOLOGY AND CULTURE IN THE MUSLIM WORLD: SOUTH DAKOTA SCHOOL OF MINES AND TECHNOLOGY GEOLOGY FIELD CAMP, TAKESTI, TURKIYE

Nick Moreno & Eric Heaton - CSUB

ABSTRACT: This talk summarizes our scientific and cultural experiences working within the world-class Tethyan realm of northwestern Turkey, approximately 200 kilometers east of Istanbul along the North Anatolian Fault system. Geologic topics include the mapping of igneous and metamorphic rocks, structurally complex terrains, mélangé, and neotectonics of the North Anatolian Fault. Over the duration of the field course we also befriended townspeople, familiarized ourselves with Turkish culture, Muslim customs, & even attended a wedding party.

BIOS: Nick Moreno holds a BS in Cognitive Science from UCLA and is currently working on his MS in Geology at CSUB. Eric Heaton holds BS degrees in Mathematics and Geology from CSUB and is currently working on his MS in Geology at CSUB. Both were members of the CSUB team that took second place at the Pacific Section Imperial Barrel Award competition this year.

STUDENT POSTERS

CSUB & Fresno State will have ~12-14 posters set up for discussion prior to dinner.

June Sponsor:

TBD