

SOCIETY OF PETROLEUM ENGINEERS

Wyoming Petroleum Section
Marron Bingle-Davis, Secretary
P.O. Box 2154
Casper, WY 82602-2154



Section Website for Latest News:
<http://wyoming.spe.org/>

2024-2025 Wyoming Petroleum Section				
Section Chairman	Dave Chase	BLM	261-7685	dchase@blm.gov
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Continuing Education	Vacant	NA	NA	NA
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UPCOMING AREA MEETINGS

WYOMING GEOLOGICAL ASSOCIATION & SPE – In-person meetings will now be held at **Various Locations (please pay attention to each individual meeting)**. Lunch Buffet served from 11:15 to 12:00 unless otherwise noted. Contact the WGA office at 237-0027 or wygeology@gmail.com for more information or to RSVP. **Reservations are mandatory and are due Tuesdays by 12 PM for that week.**

Sept 12, 2025 (Racca's): Marron Bingle-Davis – Casper College – *Casper College Geology Department*

Sept 26, 2025 (Racca's) (SPE): Bob King & Ron Baugh – *J.D. Love / Love Ranch History & Site*

Oct 10, 2025 (Racca's): Tim McCutcheon – TBA

UPCOMING MONTHLY PRESENTATIONS FOR THE SPE WYOMING PETROLEUM SECTION

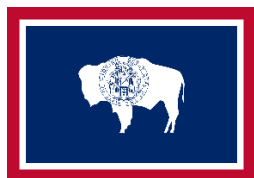
September 26, 2025 – @ Racca's – Bob King & Ron Baugh – J.D. Love / Love Ranch History & Site

October 24, 2025 – @ Racca's – TBA



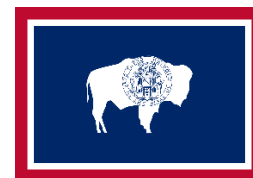


Society of Petroleum Engineers



Wyoming Petroleum Section September 2025 Newsletter

<http://wyoming.spe.org/>



When: **September 26, 2025**

Where: **Racca's Pizzeria**

Time: Luncheon 11:15 AM; Talk 12:00 PM

RSVP at

wygeology@gmail.com

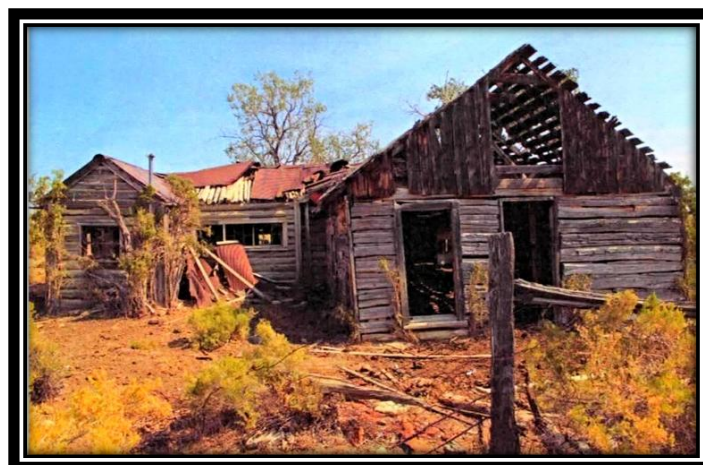
Cost now \$25



Event: Bob King & Ron Baugh – J.D. Love / Love Ranch History & Site

Abstract:

Dr. J. David Love was a renowned Wyoming geologist who worked for the USGS for 45 years. He was raised on his parents' ranch near Castle Gardens in central Wyoming, earned B.S. and M.S. degrees in geology from U.W., and a Ph.D. in geology from Yale University. Love worked for Shell Oil Company before opening the USGS field office at Laramie in 1943 where he worked until retiring in 1987. He was only the second person in American history to complete two separate geologic maps of an entire region, was the first winner of the Legendary Geoscientist award from the American Geological Institute. Notable accomplishments during his years with the USGS include locating vanadium, a metal used to strengthen steel for armor plates on ships, aircraft, and tanks for the war effort, and playing a key role in the start of the uranium-mining industry in Wyoming. He authored more than 250 geologic publications, including several road-logs for WGA Field Trips. This talk presents a picture of his and his family's lives, struggles, and adventures on their homestead on Muskrat Creek in the early 1900s, and how Dr. Love developed a passion for Rocky Mountain geology. This presentation will summarize the research results to date in four key areas that encompass a large part of the value chain for oil and gas production and economic development: Reservoir Characterization and Definition (RCD), Drilling and Completions (D&C), Production and Fluid Flow (PFF), and Economics and Forecasting (E&F).



The RCD group has developed laboratory and petrophysical tools to better characterize the formation and increase the sparse dataset using machine learning and artificial intelligence (ML-AI) tools. In D&C, we are testing drilling fluid compatibility with Mowry bentonites, while modeling and testing the interfaces between bentonites and the shale reservoir rock. The PFF group focuses on measuring permeability changes during drawdown and uses nuclear magnetic resonance (NMR) to test models of pore and fracture networks to optimize fluid flow. The E&F team has developed novel forecasting economic models and decline curve analyses specific to Mowry production potential. We aspire to build a "sweet spot" definition of the Mowry shale that contains not just geological opportunity, but identifies where that combines with drilling, completions, production, and economics to ensure success for the Wyoming oil and gas industry. The next crucial step in the program is to begin closer engagements with industry partners to confirm

we are working on appropriately applied problems that can deliver both short- and long-term benefits to Wyoming's energy industry.

Bob King Biography:

Bob grew up in Denver and graduated from the Colorado School of Mines with a degree in Chemical and Petroleum Refining Engineering. His career as a petroleum engineer has taken him and his family to Oklahoma, Saudi Arabia, and Texas, before moving to Casper in 1980. He is a member of the Wyoming Historical Society and Natrona County Historical Society. He has served as a Commissioner for the Wyoming Oil & Gas Conservation Commission and as the Commission's Interim Supervisor. He currently chairs the Enhanced Oil Recovery Commission, is a 53-year member of the Society of Petroleum Engineers and a 33-year member of the Wyoming Geologic Association, and currently serves on Casper's Historical Preservation Commission. Other past activities include serving on the Amoco Reuse Agreement Joint Powers Board and the Casper Planning and Zoning Commission.

Ron Baugh Biography:

Ron was raised in Shell and Greybull, Wyoming. He attended the University of Wyoming, Casper College and Chadron State College. In between colleges he earned a commercial pilot's license which he used to help pay for college. During the summers he flew on forest fires. While in college he flew emergency flight charters and was a flight instructor. He worked as an independent geologist his entire career in Casper. He has been a WGA member for over 50 years and served on the board. He served on an ad hoc committee to develop a bill for the registration of geologists and served on the first Wyoming Board of Professional Geologists after the bill was passed by the State Legislature. He served as president of the National Association Board of Geology and has served on the State Geological Survey Board, Enhanced Oil Recovery Commission, Potential Gas Committee, Casper College Alumni Board, and the Petroleum Club Board.





CALENDAR OF EVENTS and NEWS WYOMING PETROLEUM SECTION



Due to our excellent participation in past continuing education events, we will continue to offer these as they become available. Our web address is <http://wyoming.spe.org>

The SPE Wyoming Petroleum Section has sent out letters for sponsors for 2025 scholarships soon. Please consider donating to help support students. If you need further information please contact Johnathon True at: johnathon.true@exxonmobil.com



We have moved venues!!

Meetings will be held at various locations. Please keep an eye out for changing venues. Let SPE know if you need any help or have any questions regarding meetings.

Luncheon Cost is \$25

