

Tom Anderson, MS

AFFILIATE SCIENTIST



Research Interests

- Unconventional reservoirs (Bakken, Niobrara)
- Geothermal energy from co-production in oilfields and deep sedimentary basins
- Geologic carbon storage and reservoir characterization
- Geologic mapping (surface and subsurface) and field geology
- Computing technology, including GIS (Geographic Information Systems)
- Petroleum exploration and development geology
- Geomorphology and structural geology

Tom has over 35 years of experience in the energy sector. He came to EGI after serving for seven years with the U.S. Department of Energy at the Rocky Mountain Oilfield Testing Center in Casper, Wyoming, with his last position being Chief Scientist.

He earned an M.Sc. in Geology from Brigham Young University, in Provo, Utah, with a specialization in Structural Geology and Geomorphology. He also received a B.Sc. in Geology from Brigham Young University.

Tom also has extensive experience with Halliburton's Landmark Graphics, Conoco, and Gulf Oil, managing global technology implementation projects, providing technical services, and discovering and developing oil and gas fields in North America. His geographic expertise includes the Rocky Mountains, Wind River Basin, Powder River Basin, onshore South Texas, Snake River Plain, Great Basin, Thrust Belt, Los Angeles Basin, and the Williston Basin. Internationally, he worked in London for Conoco (UK) Ltd on North Sea projects, and has worked for clients Mobil, Exxon, and BP in Norway, the UK, Germany, Malaysia, Australia, Venezuela, Trinidad, Canada, Egypt, Dubai, Indonesia, and Brazil.

Tom is a Registered Professional Geologist in the State of Wyoming, a member of the American Association of Petroleum Geologists, (President of the Rocky Mountain Section, 2010), Rocky Mountain Association of Geologists (Denver), Utah Geological Association, and the Wyoming Geological Association (President in 2006).

Tom's publications include geothermal power generation from oil production, fractured reservoir characterization for CO₂ injection design, high-resolution seismic mapping of a shallow oil reservoir, structural geology of the Circle Ridge oilfield, Wyoming, exploration potential of the lower Ordovician in the Williston Basin, and structural geomorphology of the Wasatch Fault in central Utah.

During his time at EGI, Tom focused on the geologic aspects of liquids from shales, other unconventional reservoirs, and researching the geothermal potential of deep sedimentary basins. In support of the industry at large, Tom dedicated time as a mentor to students in petroleum geology, professional development, and career options and taught field and short courses for EGI CA members.

EMAIL:

ContactEGI@egi.utah.edu

PHONE: (801) 585-3826