



Dr. Brady is a very broadly-based geoscientist with particular skills in structural geology, geochemistry, and regional and basin studies. Dr. Brady has professional experience in academic, government, and industry positions. His industry experience encompasses seismic interpretation, potential fields geophysics interpretation, magnetotelluric data interpretation, well log interpretation, regional studies and basin analysis, international new ventures assessments, and corporate acquisitions and farm-ins. He is widely published in the fields of structural geology, geochemistry, geophysics, and sedimentology.

Robert J. Brady

Ph.D., Geology (1998)

M.Sc, Geology (1995)

B.Sc. Honours in Geology (1993)

Professional Experience

- 2010-Present** | *Petrel Robertson Consulting Ltd., Calgary, Chief Geologist*
Responsible for coordination and technical supervision of PRCL consulting projects with a focus on international exploration analysis as well as supervision and execution of multidisciplinary exploration studies.
Instructor for industry field, lecture, and core seminar courses.
- 2008-2010** | *Husky Energy, Calgary, Senior Staff Geologist*
Responsible for U.S. Rockies new ventures assessment and supervision of Columbia River Basin deep tight gas exploration, including drilling of the Gray 31-23 deep sub-basalt well in Washington State.
Responsible for generating a new regional tectonic model and providing structural geology expertise to support exploration teams in Indonesia and China. Also responsible for picking locations and drilling offshore wells in the South China Sea.
Responsible for assessment of various corporate and property acquisition opportunities throughout southeast Asia, Australia, and New Zealand.
- 2008-Present** | *University of Calgary, Dept. of Geoscience, Adjunct Professor*
Ongoing supervision of graduate students working on regional structural studies in western North America.
- 2003-2008** | *University of Calgary, Dept. of Geoscience, Assistant and Associate Professor*
Led a research group focused on western North American structural geology, rock mechanics, and thermal processes, involving studies of extensional faulting in Nevada and British Columbia, strike-slip and pull-apart deformation in California, and geothermal processes in California and Nevada. Published a variety of studies based on field mapping, shallow geophysics, low-temperature thermochronology, and trace element geochemistry. Taught courses and led field trips for both University and Industry students, with a focus on structurally complex regions and the interplay between rock properties, structure, and sedimentation.
- 2001-2003** | *California State University, Dept. of Physics and Geology, Assistant Professor*
Conducted and supervised research aimed at understanding strike-slip faulting and related compressional features along the southwestern margin of the San Joaquin Valley, California. Studies included field mapping and thermochronology work in the transverse ranges, as well as oilfield geochemistry and detailed structural interpretation from seismic and well log data in the Midway-Sunset and Elk Hills Fields.
- 2000-2001** | *Los Alamos National Laboratory, Los Alamos, New Mexico, Director's Postdoctoral Fellow*
Studied slip rates and geometries of large normal faults in California, Nevada, and Arizona as part of the lab's focus on geological hazards and urban security. Research was primarily based on detailed field mapping and low-temperature thermochronology.
- 2000** | *U.S.G./Pacific Western Technologies, Denver, Colorado, Consulting Geologist*
Evaluated geophysical well logs and downhole videos from wellbores through the volcanic and volcanoclastic section in the proposed Yucca Mountain nuclear waste repository, Nevada.
- 1998-1999** | *Devon Energy, Calgary, Exploration Geophysicist*
Mapped deep structural traps in northeastern British Columbia and southwestern Alberta foothills, using both seismic and geological data. Also conducted field and geochemical studies into the distribution of dolomitization in Mississippian carbonate reservoir units. Actively involved in drilling both northeastern B.C. Permian and southwestern Alberta Mississippian targets.

Professional Affiliations

Association of Professional Engineers, Geologists and Geophysicists of Alberta (APEGGA)
Geological Society of America
American Geophysical Union
Canadian Society of Petroleum Geologists (CSPG)
Geological Association of Canada (GAC)

Publications – see separate page