



Dr. Carey is a clastic sedimentologist with 12 years of petroleum industry and related teaching and research experience. He is experienced in the use of core and well log data to interpret the sedimentology and sequence stratigraphy of terrestrial, marginal marine and shallow marine environments. Dr. Carey has built geocellular models for simulation of both conventional oil and steam-assisted gravity drainage projects, and resource assessment in Western Canada, Atlantic Canada and Argentina.

John Carey

Ph.D., Geology (1996)

M.Sc., Geology (1992)

B.Sc., Geology (1989)

Professional Experience

- 2008-Present** | *Petrel Robertson Consulting Ltd., Manager, Reservoir Modeling*
Constructed static geocellular models for projects including resource assessments of the Triassic in northwestern Alberta and the Cretaceous in the Jeanne d'Arc Basin, potential for carbon dioxide storage in the Devonian of northeast British Columbia, and SAGD projects in the Cretaceous of northeastern Alberta. Responsible for supervision of modeling work done by other personnel at PRCL.
- 2006-2008** | *Petrel Robertson Consulting Ltd., Senior Geologist*
Described and interpreted core and well log data for a variety of projects in western Canada including: regional mapping of Spirit River channels and the Kakwa shoreface in the Deep Basin, Alberta; prospect assessments of the Rock Creek and Belly River formations in southern Alberta; regional reservoir characterization of the Doig and Montney formations in northeast British Columbia, and the Mesozoic of the northern Caspian Basin, Kazakhstan. Built static geocellular models for resource assessment of the San Jorge Basin, Argentina, the Grand Rapids Formation in northeastern Alberta, and fluvial channel deposits in the Cretaceous of southern Alberta. Constructed static geocellular models for simulation of SAGD projects in the Clearwater and McMurray formations and proposed carbon dioxide flooding of the Cardium Formation.
- 1999-2005** | *University of Texas-Pan American, Dept. of Physics and Geology, Lecturer and Assistant Professor*
Developed and taught a variety of courses including Physical Geology, Historical Geology, Sedimentology and Stratigraphy, and Geomorphology. Planned and led geological field trips in central and southern Texas and northeastern Mexico. Continued research on stratigraphic modeling using field data from the Quaternary of the northern California margin.
- 1996-1999** | *Old Dominion University, Dept. of Oceanography, Post-Doctoral Fellow*
Tested a numerical stratigraphic model through comparison with geologic data from settings including the Quaternary of northern California and the Netherlands, the Dunvegan Formation in Alberta and the Cretaceous of the Bighorn Basin in Wyoming. Assembled geologic and oceanographic datasets for modeling of Holocene shoreline evolution in California, Australia, the Netherlands and Louisiana.
- 1992-1996** | *Rutgers University, Dept. of Geological Sciences, Ph.D. Candidate*
Analyzed high-resolution seismic data of the Quaternary of the New Jersey continental shelf, and mapped paleoshorelines and valleys. Established a sequence stratigraphic framework and inferred sea-level history going back 250,000 years.
- 1991** | *Texaco Canada Petroleum Inc., Summer Student*
Evaluated exploration prospects in the Slave Point, Halfway, and Bluesky formations of northeastern British Columbia and advised on acquisition and selling of seismic data in prospective areas.

Professional Affiliations

Association of Professional Engineers, Geologists and Geophysicists of Alberta (APEGGA)
Canadian Society of Petroleum Geologists (CSPG)

Publications – see separate page