



Drawing on 35 years of exploration and development experience, Dr. Hayes directs major exploration and development studies for the petroleum industry, and consults for a variety of clients, including operating companies, investors, Crown corporations, and regulatory agencies. His international experience includes hydrocarbon basins in North and South America, Africa and Asia. Dr. Hayes has published extensively, and has broad managerial experience, both corporately and within project teams.

Brad J. Hayes

Ph.D., Geology (1982)
B.Sc., Honours, Geology (1978)

Professional Experience

- 1996-Present** | ***Petrel Robertson Consulting Ltd, Calgary (President 2006)***
Responsible for strategic direction, business development, and corporate management of PRCL. Extensive work in both internally-generated exploration studies and consulting projects. Completed numerous projects in domestic, frontier and international areas, including: field-scale review and recommendation of drilling programs; operational work (prospect generation, workover reviews, farmins and farmouts); detailed core logging and geological mapping; preparation of sales packages; and scoping assessments and economic evaluations of international exploration blocks. Conducts geological training courses and seminars for industry, both alone and as a training team member. Employed as an expert witness in regulatory and courtroom settings on geological and petroleum exploration matters. Leads PRCL in assessment of unconventional oil and gas reservoirs and plays, and has directed a variety of regional and local projects in evaluating subsurface water resources, toward designing water source and disposal solutions in unconventional plays.
- 2010-2011** | ***Tuzo Energy Corp., Co-Founder and Director***
Private energy company engaged in unconventional oil exploration in Western Canada
- 1992-1996** | ***Junior oil companies, Calgary, Senior Exploration Geologist***
Developed new exploration plays and generated drilling prospects throughout Alberta and British Columbia. Drilled some of the first horizontal wells in Cretaceous sandstone targets in Western Canada.
- 1985-1991** | ***Canadian Hunter Exploration Limited, Calgary, Senior Geologist***
Led multidisciplinary team executing major joint venture exploration program in British Columbia. Mapped regional geologic trends to establish hydrocarbon potential and guide land acquisition, and mapped in detail to locate drilling prospects. Supervised drilling of more than 50 exploration and development wells. Discovered and delineated several gas fields with total established reserves exceeding 250 BCF, and initial production of 100 MMCF/D.
- 1981-1985** | ***Shell Canada Resources Limited, Calgary, Exploration Geologist***

Senior Advisory and Leadership Roles

Premier of Alberta Competitiveness Review
Geoscience BC – Technical Advisory Committee
Nova Scotia Hydraulic Fracturing Panel
Association of Professional Engineers and Geoscientists of Alberta (APEGA) – Council Member
Canadian Society for Unconventional Resources – Executive Board of Directors
Canada Trade Commission

Professional Affiliations

Association of Professional Engineers, Geologists and Geophysicists of Alberta (APEGA)
Engineers and Geoscientists of British Columbia (EGBC)
Canadian Society of Petroleum Geologists (CSPG) – Past President
Canadian Society for Unconventional Resources (CSUR)
American Association of Petroleum Geologists (AAPG)
Elected Fellow, Geoscientists Canada