



Bill McDougall is a senior geologist experienced in conventional and unconventional exploration – specializing in unconventional gas and oil exploration, assessments and research. He has been the project leader on numerous Canadian shale gas/oil projects including the Montney, Horn River/Cordova Embayment, Duvernay and the Colorado Group. Mr. McDougall is experienced leading inter-disciplinary teams of professionals and providing technical evaluations and acquisition advice to corporations regarding unconventional gas/oil opportunities. He is an internationally recognized expert in coal and coalbed methane characterization and has been a project leader for a number of hydrogeology studies in western Canada.

William J. McDougall

M.Sc., Geology (1989)

B.Sc. Geology (1979)

Professional Experience

- Present** | ***Petrel Robertson Consulting Ltd., Chief Geologist***
Responsible for managing a team of professional geoscientists, support staff and associated consultants undertaking a large number of diverse consulting projects, providing clients timely updates and complete final rollup and reporting to the client. Conceptualize new projects and identify business opportunities.
- 2000-2014** | ***Obann Resources Ltd., President, Director***
Undertook long-term contracts (1-4 years) with large and junior oil and gas exploration companies that focused on Joint Venture opportunities, unconventional gas resource plays and conventional opportunities in Western Canada, including coal bed methane. Work outside of Canada included coal bed methane and coal mine methane projects in France, Italy and Belgium. Managed two large scale sampling studies of Colorado and Montney Shale Gas potential in Alberta. From this work the Alberta Geological Survey has published a number of Open File Reports. Conducted Unconventional Gas studies for the Canadian Society for Unconventional Gas. Conducted detailed coal lithotype and cleat distribution studies for two large oil and gas production companies. Co-founder of CBMWellInfo Inc. a web-hosted, map-based data-base of all publicly available analytical data from CBM exploration wells in Alberta (2006). Evaluated numerous conventional oil and gas prospects in the Western Canadian Sedimentary Basin, primarily in the Edmonton, Belly River, Colorado and Mannville Groups in Alberta and Saskatchewan. Completed province-wide regional correlation study of Mannville coals in Alberta using log data from over 2000 boreholes. Geological mapping of Horseshoe Canyon coals, determining exploration targets and exploration well locations which resulted in a major coalbed methane development in central Alberta.
- 1993-2000** | ***Geological Survey of Canada, Calgary, Senior Geologist***
Hydrogeology project leader at the Geological Survey of Canada – Calgary responsible for managing a number of hydrogeological studies in western Canada. Detailed geological studies and computer modeling of potential coalbed methane targets in central Alberta. Geological correlation of coal beds in southern Saskatchewan based on geophysical logs and downhole lithological interpretations from more than five thousand boreholes. Development of integrated computer models of Saskatchewan coalfields programs developed at the Geological Survey of Canada.
- 1988-1993** | ***W.J. McDougall Consultants Ltd., Calgary, President/Director***
Provided a range of coal geological and coal petrographic consulting services to private industry and to the federal and provincial governments.
- 1979-1988** | ***Energy Research Unit, University of Regina, Research Associate***
Assessment of coal feedstocks and residues from conversion processes or upgrading techniques such as coprocessing, gasification, pyrolysis, electrolysis, thermal dewatering. Characterization and quality assessment of Canadian coals with particular emphasis on low rank coals from Saskatchewan and Alberta.

Professional Affiliations

Association of Professional Engineers, Geologists and Geophysicists of Alberta
Association of Professional Engineers and Geoscientists Saskatchewan
Canadian Society of Petroleum Geologists
Canadian Society for Unconventional Resources (CSUR)