

Technology Development and Application: Schlumberger's Contribution to Petroleum Exploration in Canada

Craig Lamb
Schlumberger Canada
clamb@slb.com

The development and application of technology to evaluate and exploit reservoirs has been a key factor in exploration and development of Canada's petroleum resources. Schlumberger has been a leader in Canada in providing this technology in support of the oil companies and geoscientists searching for oil and gas.

Schlumberger began operations in Western Canada in the late 1940's as a wireline and testing company, providing formation evaluation tools for reservoir evaluation. In the past 50 years, the technology of the tools has changed significantly, from E-logs to specialized high resolution imaging and magnetic resonance tools which can be used, not only for reservoir evaluation, but also for detailed geological investigations.

The recognition of the need to provide integrated products and services to improve reservoir evaluation and development technology resulted in a number of acquisitions which have expanded capabilities to include seismic acquisition, well completions and stimulations, directional drilling, reservoir management, and software development and data management. Also, a continued investment in research has enabled the continued advances in technology.

This paper describes the evolution of reservoir evaluation technology and its applications in Western Canada and the contributions to the industry, which Schlumberger has made during the past 50 years.