



Ms Dorey has an outstanding reputation in the industry as a successful oil and gas explorer and has over 25 years experience in all facets of geophysical data acquisition and manipulation. She has mapped compressional and extensional structural plays in WCSB, Canadian East Coast, North Africa and Asia and is an expert in palinspastic restoration, recent seismic depth migration advancements and anisotropic imaging. She is experienced at augmenting structural mapping with gravity and aeromagnetic data sets and has extensive experience with stratigraphic mapping.

## **Kathleen Dorey**

*B.Sc. (Honours) Geology/Geophysics (1983)*

### **Professional Experience**

<b>Present</b>	<b><i>Petrel Robertson Consulting Ltd., Calgary, Chief Geophysicist</i></b> Responsible for all aspects of PRCL's geophysical business, including client-specific consulting projects, domestic and international exploration and development, and strategic and prospect generation work.
<b>2008-2010</b>	<b><i>BG International, Calgary, Asset Manager/Team Lead</i></b> Multi-team lead for engineering, exploration, land, contracts, drilling and operations for NEBC and Alberta with 9,000 BOE/day asset base. Led team in prospect generation and reserve growth, adding 80 Bcf to prospect inventory in 2 years. Operating strategies tied to \$100 MM+ budget and reserve targets. Full cycle analysis to maximize net income and cash flow. Production optimization on existing well sites working in conjunction with engineering and operations. Horizontal sidetracks, compression analysis, facility upgrades, etc. Successfully developed multidisciplinary team into a functioning asset.
<b>1998-2007</b>	<b><i>Sheehan Energy Inc., Calgary, Geophysical Consultant/President</i></b> Specialized in geophysical modeling, inverse and attribute analysis, interpreting, 2D-3D seismic acquisition, design and processing. Development/Exploration projects in Canada, U.S. and Internationally for both stratigraphic and structural plays in conventional and unconventional gas, oil and oil sands SAGD projects. Property and corporate acquisitions evaluations for Canadian and International oil and gas companies.
<b>1993-1997</b>	<b><i>Ulster Petroleum Ltd., Calgary, Chief Geophysicist</i></b> Drilled discovery in the Retlaw Glauconite Pool, 7MM bbls in place. Followed up with 3D seismic and subsequent development drilling. Drilled 80 wells over 3 years in the Cretaceous, Jurassic, Mississippian, Wabamun and Swan Hills of Alberta. Drilled discovery well for Gold Creek Wabamun well with initial production of 6 mmcf/day.
<b>1989-1993</b>	<b><i>Conoco Canada Ltd., Calgary, Senior Geophysicist</i></b> Drilled Cardium Foothills discovery wells at Lovett and Basing. Initial well produced at 9 MMcf/day. Followed up with development drilling in the pools, pipeline planning and well program and logging design. Exploitation/Development in Glauconite in the Central Alberta Region and Sikanni Mississippian Pool in NEBC.
<b>1984-1989</b>	<b><i>Texaco Canada Ltd., Calgary, Geophysicist</i></b> Drilled discovery well at Buick Creek, B.C. Initial total field production of 6000 bbls/day from the Doig Formation with subsequent infill horizontal drilling.

### **Professional Affiliations**

Association of Professional Engineers, Geologists and Geophysicists of Alberta (APEGGA)  
Canadian Society of Exploration Geophysicists (CSEG)  
Society of Exploration Geophysicists (SEG)

### **Publications**

Editor: 2005 CHOA Handbook, refereeing papers in leading edge 3D and 4D geophysical methods and multi-component attribute analysis.