

Using Numerical Models to Aid in the Seismic Imaging of NE British Columbia
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Two dimensional numerical models were created to represent a complex geologic structure in northeastern British Columbia. These models were used to create synthetic seismic data that was processed in an attempt to image steep dips on the structure. Poor imaging of these dips resulted in redefining the parameters that were used to create the synthetic data, which eventually led to improved imaging.

Processing of the seismic data also required an evaluation of the migration programs and their parameters that were used to image the synthetic data. Use of these migration programs and the better acquisition parameters enabled reasonable imaging of the steeper dips of the model.