

The Montney Formation Shale Gas Play NEBC Part 2: The Role of Seismic Applications in Reservoir Characterization

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Production from the Montney Play at Farrell Creek is influenced by the formations' lithology and the stress regime. In order to optimize production it is important to know and understand the dominant factors that influence drilling and completion. An integrated approach is the best way to find and delineate these factors.

Information from seismic data can be extracted through various attributes. It is important to ground these attributes with cores, wireline logs, drilling parameters, completion results and production data. Using a 3D seismic volume and applying this approach makes it possible to connect the scattered point data from individual wells with the intent of not only understanding the past but also giving the ability to predict the key factors which ultimately influence economic drilling, completion and production.