

## **Data analysis and reservoir description on a 2D-3C line in Mackenzie delta**

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### **ABSTRACT**

A 2D line was acquired in 2001 in Hansen Harbor in Mackenzie delta, Canada, by CREWES project, U of Calgary. The line is 6 kilometer long and laid out with 3C geophones. A well – G-07, drilled in 1998, is close to the seismic line and shows oil/gas indication. The major oil/gas reservoirs were indicated at the bottom of Kugmallit sequence.

The vertical and radial components of the line were processed and analyzed. The calibration between seismic and well logs was conducted. AVO analysis was done also. The rock physics analysis was conducted based on well G-07. The interpretation was done based on seismic data and rock physics.