

The Challenges of 3D seismic application for Athabasca oil sands development

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Abstract

Commencing in 2002, Japan Canada Oil Sands Limited (JACOS) has acquired several 3D seismic surveys. Field equipment, seismic data processing technology, and the quality of results have evolved and improved recently over the past 5 years.

Reviewing the data quality of the 3D surveys, we discuss what factors and how they affect the quality of the seismic data using real examples.