

Steam Injection Seismic Monitoring Experiment in Northern Alberta

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Abstract

A buried receiver network has been installed in 1998 on heavy oil SAGD pilot project in Northern Alberta in order to record one conventional 4D seismic survey every year. This network has been used to evaluate the ability of a new seismic technique using permanent sources and receivers to provide a fast indicator of the steam motion. The high repeatability of this technique enabled observation of the daily steam progression.