Converted Wave Shot Profile Wave Equation Migration Toolbox Kit

Mark Ng[1]

[1]Divestco Inc., Calgary, Alberta, Canada

Abstract

In this paper, I introduce a time extrapolator equivalent from the depth counterpart for shot profile wave equation migration (WEM) for converted waves. I also affirm a few useful tools that have been available for the P-wave shot profile one-way WEM to be used for converted waves. The tools are namely: excitation time imaging condition for simplicity, time-shift imaging condition for massive speed gain, and topography consideration.

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