

Abstract

The purpose of this diploma thesis is to apply complex seismic attributes on 3D seismic data from Mistelbach block area and trying to figure out whether they are useful by seismic interpretation process. The geology of Vienna basin and the characteristics of Complex seismic attributes will be discussed. The thesis also includes analysis of the Lednice 11 gas reservoir and a new potential hydrocarbon reservoir identification, both using complex seismic attributes.