

# 2D SEISMIC STRUCTURAL INTERPRETATION OF CHAKWAL, EASTERN POTWAR, PAKISTAN



By

Bilal Tariq

Master's in Science - Geophysics

FACULTY OF EARTH AND ENVIRONMENTAL SCIENCES  
BAHRIA UNIVERSITY, ISLAMABAD

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## **Abstract**

The seismic lines lie in Chaknaurang area in the Potwar foreland basin. The data acquisition and processing was done by OGDCL.

Marking of prominent reflector in the seismic section along the lines. Depth section was constructed with the help of given velocity information. Depth sections shows most probably the thin skinned deformation in cover rocks.

Time contour map of the area made by time reading of chorgali formation in five seismic lines.

There are two major breaks in the burial history of the area. One is from Ordovician to carboniferous because the whole Potwar basin was uplifted during that time. The other is from late Permian to cretaceous because the rocks from west to east in Potwar basin were eroded due to significant pre-Paleocene tectonic uplift.