



Geological constraints on western Kohat Foreland Basin, KP, Pakistan

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Condition: New. Publisher/Verlag: Scholar's Press | Implication from 2D and 3D Structural Modeling | An understanding of the spatial arrangement of geological structures is very important to understand their structural evolution and building of a consolidated model for a region. This research is an attempt to understand the structural events of the western Kohat Foreland Basin in 2D-3D work flow, evaluation of multiple decollements and the structural correlation between surface and sub-surface rocks. Two-dimensional available data was integrated into an internally consistent 3-D workflow in MOVE SUIT 2015.1, which was then easy to interpolate and extrapolate beyond known points to better constrain structural interpretation and validation. Stress analysis of a 3D surface of the Manzalai Ghar Anticline at the level of Lockhart Limestone (-1500 m) is done using Mohr Stress diagram in MOVE 2015.1 software. The results illustrate positive normal stress values, which suggests the north-south compression related shearing and fracturing in the study area. | Format: Paperback | Language/Sprache: english | 96 pp.

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