

## **TECTONICS AND HISTORY OF GEOLOGICAL DEVELOPMENT OF PALEOZOIC COMPLEX (PRECAUCASES)**

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Fundamental tectonic element of Hercynic complex is detailed by us North-Precaucases synclinorium. In the north he borders with Manych synclinorium, in the west – with east submersion of the Azov ledge, in the south – with Caucasian anticlinorium, in the east – he immersed in the water area of the Caspian sea. The base of North-Precaucases synclinorium, Manych and Caucasus anticlinoriums are to crystal breed of Proterozoic-Archean, formed as a result of consolidation Precambrian foundation of all East Europe platform. In the Paleozoic sedimentary-metamorphic complex of synclinorium with us for the first time are selected: Celinsko-Divnenskaya, Central-Stavropolskaya, Kursavskaya, Zimnestavkinskaya, Neftekumskaya, Akmurzinskaya, Tarumovskaya, Stepnovskaya synclinal zones; North-Stavropolskaya, South-Stavropolskaya, Ozeksuatskaya, Djuravsko-Achiculacskaya, Adisseyskaya, Sulakskaya anticline zones and Chernolesky dome. In the Paleozoic complex of Manych anticlinorium are allocated of Proletarskaya, East-Manych anticline zones, Chernoleskaya synclinal zone and Manych-Gudilovsky graben. In the Hercynic structure of caucases anticlinorium are allocated of Iconhalsky, Priterecny anticline zones, Shedoksky, Hasautsky, Beslano-Sundzensky synclinal zones, zone of the Peredovoy crest and zone of the main Caucasus crest. Within the limits of these Hercynic geostructures the whole series large on the sizes, high amplitude anticline folds, sometimes complicated Paleozoic and early Mesozoic intrusion are allocated. Analysis of geological structure speaks about presence of structural and not structural class of traps on the slopes of uplift and in zones of pinching. The traps can be paleomorphostructure, connected with litology and tectonic screens, with development of jointing zones and crust of weathering.