



On the seismofocal zone of the Hercynian tectonic cycle and the kimberlite formation of tectonic-magmatic actyvization in the south-eastern part of the Carpathian Foredeep in connection with oil and gas content

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Seismofocal zone of the Hercynian tectonic cycle in the south-eastern part of the Carpathian Foredeep was picked by seismic, gravimetric, magnetometric and magneto-teluric sounding. New data permit to make a conclusion, that the West European Microplate is underthrust under the East European Microplate. Formerly opposed view prevailed. At the seismolithmological sections, which were received by the software «Seismocyclit» the channels of migration and saturation by fluids of the Cambrian and the Upper Proterozoic rocks become clear apparent within these structures. The abstract deals of the problem on the kimberlite formation of tectonic-magmatic activization in the joint zone of the Carpathian Foredeep and the East European Platform. Since we observe a karst phenomenon in sedimentary rocks in the areas of ascertained intrusions, this can be an additional evidence that these rocks correspond to the kimberlitic formation and as a result the studied region is diamondiferous. Ispas-Miliivo Dislocation and the structures of the Hostiv-Budynets Zone and zones of injective structures are the most prospective for discovering of gas fields in the Paleozoic and Proterozoic beds.