Prospects of the Mesozoic Sediments of the Peri-Caspian-Kuban Oil-Gas Area of the Azerbaydzhan SSR

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Exploration drilling targeted on Mesozoic sediments is now in progress in the Talabi-Kyzylburun anticlinal zone of the Peri-Caspian-Kuban region. See Fig. 1.

In the Talabi area drilling has disclosed beneath the Sarmatian sediments a complex of rocks the age of which is Middle Jurassic according to petrography, x-ray analysis of the clays, and the fossils present (spores of the families Leiotritetes and Coniopteris). There is thus a large stratigraphic hiatus in the section. A similar hiatus had been recorded back in 1952 on the Kusar uplift just northwest of the Talabi area.

Correlation of the electrical logs of wells 12, 14, and 15 show clearly a fault with displacement of 550-600 m; it is intersected by well 12 at 2750 m. See Fig. 2. Well 15 penetrates the Middle Jurassic at a depth of 4850 m and well 14 at 4600 m. The Middle Jurassic is thus structurally high in well 14, confirming an earlier idea as to the presence of buried Jurassic uplifts in the south part of the Balabi-Kyzylburun zone. Fig. 2 shows the probable structure here. Well 17, which is being drilled, will yield more information.

The Talabi-Kyzylburun zone of buried uplifts, and not the Kusary buried uplift as suggested earlier, appears to be the continuation of the north branch of the Bokovogo Range anticlinorium of South Dagestan.

Exploration targets in the Middle Jurassic sandstones on the Talabi and Kusary uplifts are the Atashkain and Khinalog sandstones.