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THE CONTRIBUTION OF GEOLOGICAL AND GEOPHYSICAL COMPLEX AND ESPECIALLY OF SEISMIC PROCEEDINGS FOR DECIPHERING IN DEPTH OF SEDIMENTARY DEPOSITS IN THE PERI-ADRIATIC DEPRESSION

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In this paper, the contribution of geological and geophysical proceedings in deciphering of geological setting in depth of stugy region and the location of prospect region for gas exploration are given.

Peri-Adriatic depression, as a first rank object for discovering of oilfields and gas fields, has attracted the attention of foreign companies since 30^{-th} years of this country. These companies through their concessions exercised firstly the activity realising some located geological studies, shallow drills and discovered Kucova, Patosi and Drashovica oilfields.

These studies are realised more latter, from our specialists for all prospect territory. A lot of complex geological and geophysical proceedings and drilling wells, simultaneously geological studies were realised that step by step increase the information in the depth.

At the same time with performances drilled wells in P.A.D., a very important information for depth have give the seismic proceedings, which from year to year have improved the method and thir technology. But their evolution is realised after 80^{-th} year, when included the digital equipment's and detailed observation systems, which realised recording and taken a good quality information for all deposits of Periadriatic depression, too. During last years, after 90^{-th} years, is covering with regional seismic lines ALBANIAN OFFSHORE (Adriatic and Ionian sea) from foreign companies.

The seismic data taken from these is correlated perfectly with onshore seismic data (Peri-Adriatic depression) and allows a good deciphering of sequential seismic for Pliocene, Messinian, Tortonian and Serravalian deposits, while more lower part, only top of limestone deposits.

Pliocene and Messinian deposits are deciphering in two sequences, while oldest deposits (Tortonian and Serravalian deposits) only where exist in the oregene and some regions using another data from this complex.

Through of this material, is arrived to make a deciphering of all molassic section, and at the same time are located more exactly the regions for discovering of gas pools.

Position of orogenic front in the depth, overthrusting scale over Periadriatic depression molassic deposits, are given, Simultaneosly, are exacted positions of depocenters of P.A.D. deposits and clay diapirism zones.

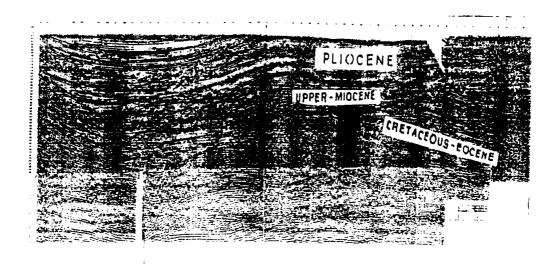
Thus, more great depocenters are located in western part of orogenic front and in Durresi region, while diapirs, are extension, in Divjaka, Frakulla, Durresi structures including and some structures in ALBANIA OFFSHORE.

Their presence is evidenced by means of caotic facies in migration time sections in anticlinal axis and the presence of "flower" structures, in two flanks of structures as Divjaka, Frakulla, Durresi structures et al. This phenomenis confirmed completely from drilled wells data in one part of Peri-Adriatic depression structures. Another phenomen that is observed at Neogenic structures P.A.D., is that they more near the orogenic front, are more complicated in eastern flank from the tectonic faults (backthrusts). In some regions of eastern boundary of P.A.D., where the orogenic from have overthrusting towards west,

between this and covering Neogenic deposits are evidenced zone with difficult deciphering that they are named "triangle zones", which it is very difficult the interpretation in the depth.

It deserves to emphases that seismic survey contribution dominates the depth interpretation in Peri-Adriatic Depression. They depeated exactly geometric form of the all anticline syncline structures, as well as types of sedimentation environments.

In completed paper that will send to you, all the geological phenomena that are treated in this paper will have been illustrated with the time sections and the interpretation of all mollassic thicknesses of Peri-Adriatic depression.



Seismic line cross P.A.D. (Patos-Verbasi structure –Povelçe-Seman)