

711

On peculiarities of hydrocarbon-rich and hydrocarbon poor structures from the several regions, USSR

We present some different materials on the hydrocarbon-rich and hydrocarbon-poor structures of the former USSR, mainly Russia. There is a good understanding of tectonics, sedimentology etc. versus the very HC localization and general prognosis in many structures often. However, there are some problems due to very different factors.

Some conclusions could be briefly noted here due to hydrocarbons-tectonics-sedimentology .. relations:

- We have a proved correlation of hydrocarbons localization (including a mobile gas) with a general geology of the region, zone, HC field etc. due to a special complex geological analysis. Detailed analysis of different gomaps and stratigraphy helps in a general HC prognosis.
- HC localization is in a good agreement with geology, also with stratigraphyic boundaries of different order including hidden ones. Detailed analysis of a stratigraphic column with TOC data etc. could understand main hydrocarbon way and the very localization (including one in the different stratigraphic levels of the one field) We can often lateral HC zonality meaning a definite role of lateral HC migration. J2-J3 interval is an economically very important interval in many regions including Tajikistan and Uzbekistan.
- There are obvious examples of HC non-organic nature on the Earth and other planets. However, no doubts about a large/very large role of organisms in a genesis discussed. So, orthodox, purely organic vs nonorganic HC discussion are not quite effective.
- Interesting results on faulting process, e. x., were received by N.Koronovsky, M.Goncharov, G.Gogonenkov. A.Timurziev et al., Russia. Effective structural modeling have made by them (koronovsky et al., 2008) Downthrow shift amplitude usually 30-40m, up to 100 m. and the palmtree characteristical structures (because of fracture facilitation from pre-Jurassic basement to a sedimentary cover) are typical in West Siberia (Gogonenkov, Timurziev et al., 2005) Faults are rather fruitful than nonfruitful in our examples studies, excluding large deep faults, but this is under discussion.

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