

PETROLEUM PROSPECTS OF WESTERN CUBA: UTILIZATION OF THE MAP AND CATALOGUE OF LOCALITIES FOR HYDROCARBONS PURPOSES.

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A voluminous stratigraphic, tectonic, geochemistry, oil well exploration, oil seeps and oil shows information was integrated for considering the oil – bearing prospect area of the Cuban northern fold belt. In some places of this area, the main update oil fields in Cuba have been discovered, restricted to the Placetas and Camajuaní Tectonostratigraphic Units. Both units include favorable source rocks, reservoir and seal. A generalized map in scale 1: 500 000 including the Tectonostratigraphic Units and their corresponding coverages is presented. Several hundreds of classified localities containing important data for research are also included. The extension toward the western part of the Placetas Tectonostratigraphic Units is discussed, introducing a tectonic model, which shows similarities, and differences with the surrounding tectonostratigraphic, all involved in prospect accumulations. Structural cross - sections based on the prepared data are showed, including oil wells of 4 – 5Km depths which prove distinct thrusts systems. This interpretation contrasts with the previous ones and proposes a development of the sedimentation that results more attractive for the oil prospecting. It occurred toward the south of present Cuba having similar The information is supported on the INFOPET.GIS system which allows to examine quickly thousands of data from the studied area in all Cuba in more than 600 locations. Petroleum perspectives toward the western Cuba are assigned in onshore as well as offshore settings.