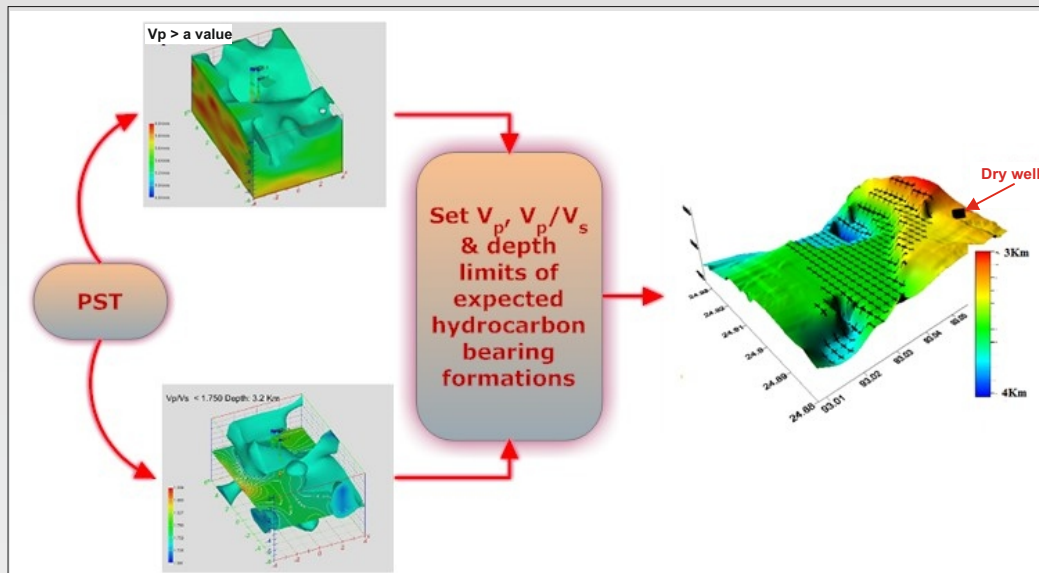
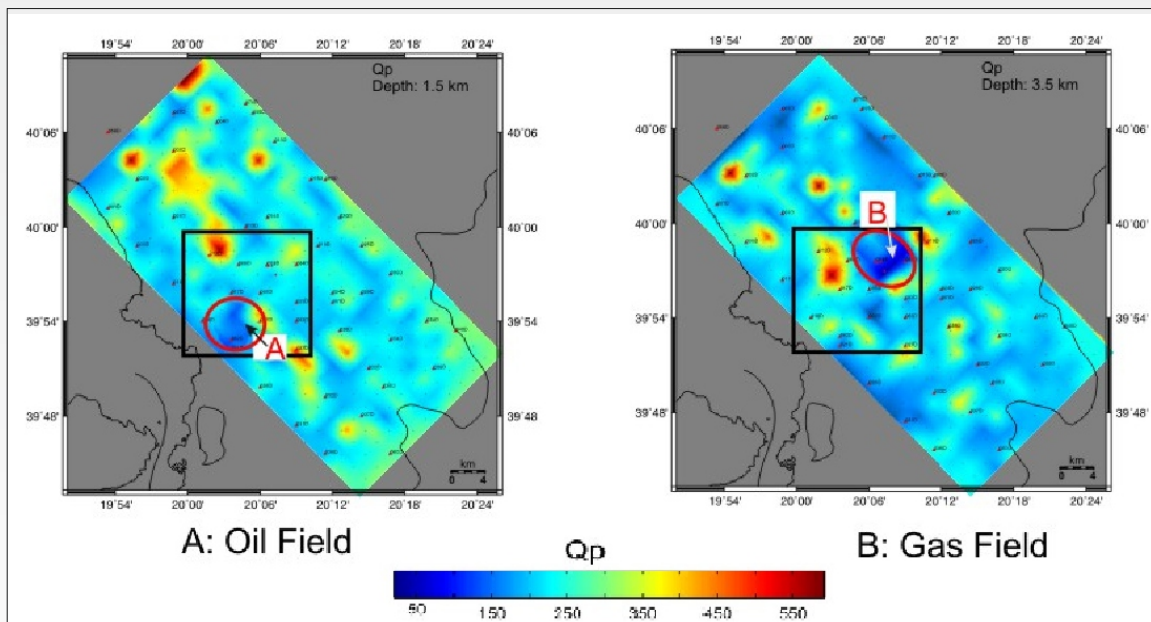


Although a Passive Seismic Tomography (PST©) survey provides mainly, structural and lithological information below the entire block of interest and cannot be considered as a direct hydrocarbon indicator. However, in certain cases we can provide maps that depict sub-regions within the investigated block that possess a high probability for a successful well. This is due to the fact that one of the products of PST is the Poisson's ratio, which strongly depends on the fluid content within the pore space. Furthermore, the mapping of the Q parameter all over an exploration block could reveal regions of high porosity, fracture zones and help differentiate gas and oil in the pore space.



Q sections over a well known oil and gas field, respectively. The decrease of Q (increase of attenuation) is clearly evident at the oil and gas depths.



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