

Patterns of fracturing placement in terrigenous rocks of Sakhalin Island

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Abstract. Within complex studies of properties of hydrocarbons source rocks in Sakhalin Island the first preliminary results on the correlations of relations between the fractures distribution and bed thickness were obtained. Numerous measurements of stratification bedding planes, thicknesses of beds and orientations of orthogonal fracturing systems for the Kholmsk formation were performed. The received relations are described by linear approximation and correspond to the global data obtained for similar types of rocks and bed thicknesses.

Keywords:

fracturing, terrigenous sedimentary rocks, tectonic stresses, Sakhalin Island source rocks, siliceous reservoirs, unconventional reservoirs

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