

Magmatic aspects of oil - gas bearing

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Currently, the petroleum geology postulated the existence of oil in the all the different genetic types of rocks: igneous, sedimentary, and metamorphic.

Oil in igneous rocks. Oil and gas deposits are found in Vietnam in the area of the White Tiger and the other in the basement granitoids. . In Sicily there is oil and gas field Galliano and other fields around the volcano Etna. Oil reserves in Azerbaijan (Muradkhanli) and Georgia (Samgori) were found in volcanoes.

Oil in sedimentary rocks . In Azerbaijan - Oil: Oil Rocks, Surakhani concentrated in the productive strata, folded alternating clay, sand and sandstone. In Japan, the oil fields are located on the island of Honshu, and the Sea of Japan in the Miocene and Pliocene rocks. Australia contains industrial reserves of oil in the Permian continental sedimentary basins - Gippsland.

Oil in metamorphic rocks. In Venezuela, in the fields of La Paz and Mara in metamorphic rocks found deposits of oil. In the West Javanese basin of Indonesia revealed industrial gas accumulation in the metamorphic rocks of the pre - Tertiary crystalline basement. In Morocco in seven fields : Baton - Tisserand, Ued - Mellac, Lower Sidi - Fili, Mers-el-Karets, Bled – adl - Def and Lower Bled ad-Dum oil produced from the fractured shales and quartzites of the Paleozoic.

Finding oil in the genetically diverse geological objects, and based on the primary magmatic processes that form the Earth's Crust propose magmatic model of genesis, location and existence of oil deposits in the Globe.