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Reservoir and Hydrocarbon Characteristics of Igneous Rock of Kongdian Formation in Zaoyuan Oil Field, East China

According to interpretation of seismic sections and core analysis, drilling logging and oil-testing data explanations to Igneous rock we had studied the distribution law and hydrocarbon characteristics of Igneous rock of the first member of kongdian Formation in Zaoyuan Oilfield, which including the property of petrography and geophysics spatial distribution reservoir characteristics and oil-and-gas bearing of Igneous rock. There are two kinds of igneous rock such as volcanic rock and hypabyssal intrusive rock in this area, and they had respectively distributed in the downthrown of Kongxi fault and its uplifted wall. There are two kinds of oil and gas pools. The first one is oil and gas of volcanic rock in which the reservoir space of igneous rock was mainly composed of pore and fracture. The second one is oil and gas of hypabyssal intrusive rock in which fracture was the main reservoir space.