
GEOLOGY AND GEOGRAPHY

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ANALYSIS OF SPATIAL DISTRIBUTION OF OCEANIC EDDIES IN SOUTH PACIFIC

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Borodin Evgeniy Vladimirovich – Post-Graduate Student, Immanuel Kant Baltic Federal University, A. Nevsky St., 14, Kaliningrad, 236041, Russia, e-mail: kobzon89@mail.ru.

Research of distribution eddies parameters in South Pacific was performed. Eddies with parameters larger averaged are formed area with anomaly of standard deviation in absolutely dynamic topography field. Zonal distribution in fields of eddies was show: in subantarctic and subtropic – cyclonic, in temperate zone – anticyclones.

Keywords: cyclones, anticyclones, nonlinear, amplitude, linear scale, rotation speed.

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ABOUT THE INFLUENCE OF PHASE TRANSITIONS OF WATER FOR THE DEVELOPMENT OF GAS FIELDS WITH INCREASED AND HIGH RESERVOIR TEMPERATURE

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Petrenko Nikolay Nikolaevich – Post-Graduate Student, Oil and Gas Institute of the North Caucasian Federal University, Kulakov Ave, 2, Stavropol, 355038, Russia, e-mail: nnpetrenko@mail.ru.

This article considered the impact of phase transitions of water on field development with various thermobaric parameters; the necessity of accounting of moisture content of gas in the calculation of the initial and current gas reserves, recovery factor is substantiated. The dynamic of the gas composition and gas recovery, taking into account the water vapor and without it shown in a real field example. Also considered the parameters of the field development of high-temperature gas reservoir with phase transitions of water.

Keywords: phase transitions of water, moisture content, water vapor, gas recovery, high-temperature fields, development indicators.

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