

Estimation of gas hydrate distribution in the Blake Ridge by the FMS image analysis

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During the ODP Leg164 the drilling through the gas hydrate layer was carried out at the Blake Ridge off eastern coast of United States. We conducted a semi-quantative analysis of the Formatoin Microscanner image in order to clarify the hydrate distribution and saturation. FMS tool measures the resistivity of a borehole surface. A hydrate layer is characterized by low chloride content, high resistivity, positive velocity anomaly, etc. The analysis revealed several resistive parts on the FMS image at all sites of ODP Leg164.