



Porosity and Permeability of Samples Taken at Different Depths

The graphs below show measurements of porosity and permeability of rock samples taken at different depths. The arrows (→) indicate the depths of the rocks shown in photomicrographs (1), (2) and (3) on the previous panel.

(1) The sample recovered from 3461 feet shows high porosity (blue area of graph; 15 to 20%) and high permeability (red area; 100 millidarcies).

(2) The sample recovered from 3401 feet shows good porosity (blue area; 15%) but no permeability (0 millidarcies).

(3) The sample shown in the third photo and recovered from 3059 feet (graph on right) is impermeable and has very little pore space (2%).

