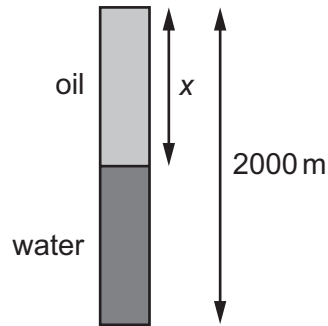12 A borehole of depth 2000 m contains both oil and water, as shown. The pressure due to the liquids at the bottom of the borehole is 17.5 MPa. The density of the oil is 830 kg m^{-3} and the density of the water is 1000 kg m^{-3}.

What is the depth x of the oil?

A   907 m   **B**   1000 m   **C**   1090 m   **D**   1270 m