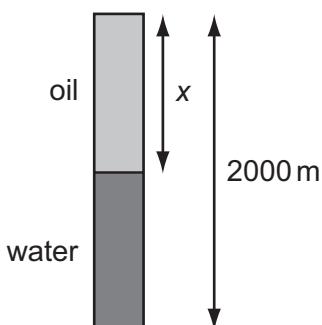


- 21 A bore-hole of depth 2000 m contains both oil and water as shown. The pressure due to the liquids at the bottom of the bore-hole is 17.5 MPa. The density of the oil is  $830 \text{ kg m}^{-3}$  and the density of the water is  $1000 \text{ kg m}^{-3}$ .



What is the depth  $x$  of the oil?

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

**Space for working**