

Oil and gas traps

Introduction

This activity, a revision worksheet in applied geology originally produced by Mike Tuke (Tuke, 1987), has been updated. Although the study of oil and gas traps can be included in geological work at virtually any level from upper primary upwards, this worksheet will be most useful for students in the age range 16 – 18. The worksheet provides a way of checking student's understanding.

(Note: This worksheet could be given either as an 'open book' exercise to test whether pupils can transfer from textbook diagrams to a real-life situation or, equally well, as an unseen test to check the recall of knowledge.)

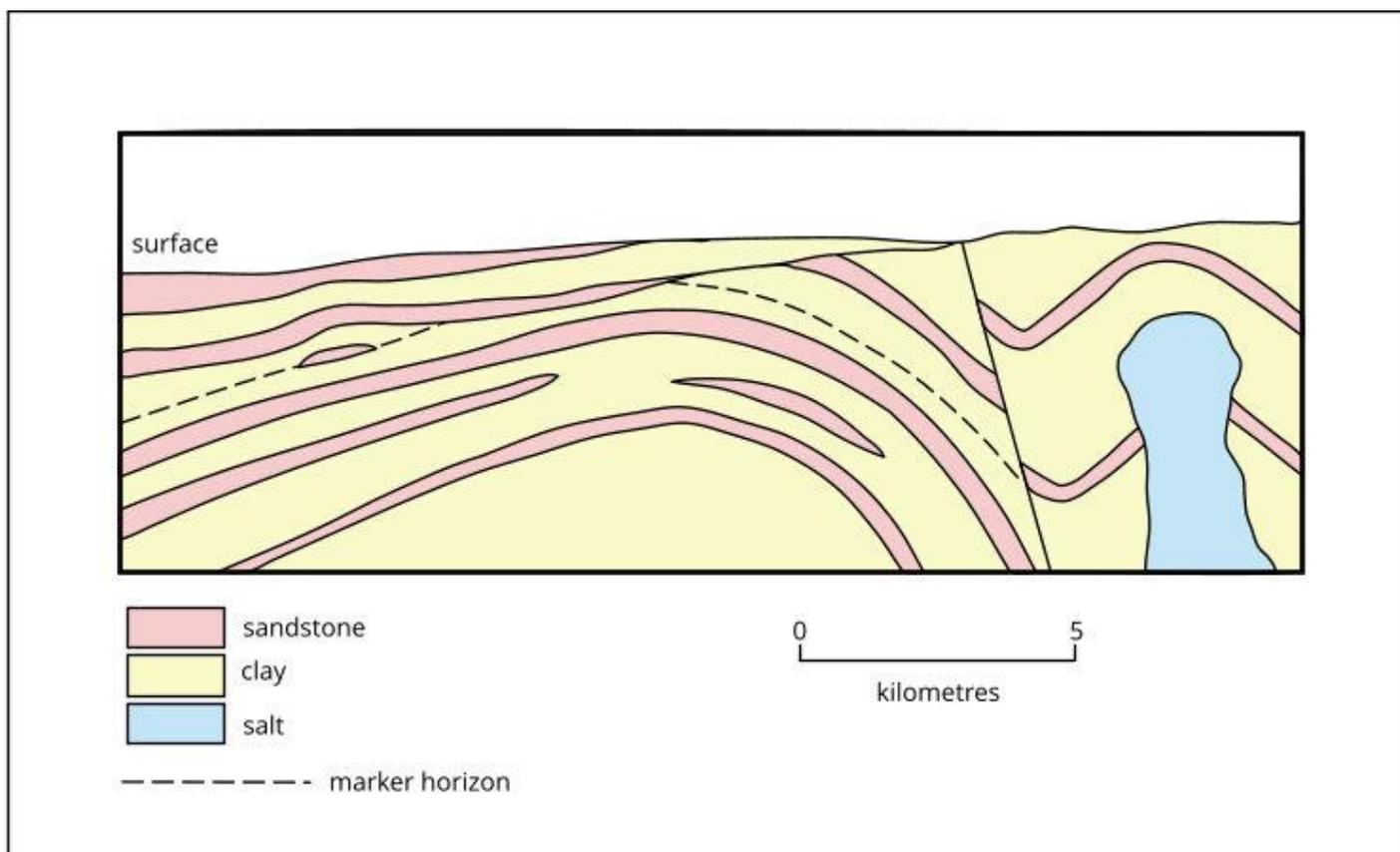
Instructions

Study Figure 1 which is a geological cross section that shows different oil and gas traps.

(a) Shade in the locations on this geological cross-section where one might find oil and/or gas. Give each site a letter and say what type it is.

(b) If all the traps are equally likely to contain oil or gas, where would be the best place to drill a vertical borehole? Mark your proposed borehole with a line.

Figure 1. Geological cross section



References

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