Evaluation of low resistivity, low contrast productive reservoir in the Malaysian fields

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Laporan (Report)

This talk by Ahmad Sharby of PETRONAS Research & Scientific Services (PRSS) was presented by Uzaymee Yusof, who is a member of the IOR Group project. It was held on 23 April 1997 at the Geology Department, University of Malaya.

Abstrak (Abstract)

Low resistivity low contrast reservoirs are frequently interpreted as predominantly water-bearing. As a consequence they are often overlooked or down-graded in reserve estimates. The causes of low resistivity low contrast reservoirs are well known and arise principally from the presence of clay and other conductive minerals in reservoir sections and from underestimates of the true formation resistivity.

In Malaysian basins, low salinity formation water exaggerate the problem as even small quantities of clay can significantly lower resistivity. In addition, deep invasion of conductive drilling fluids can drastically lower the measured resistivity.

This study involved the rapid introduction of the recent work that has been done to identify and correct the interpretation of low resistivity low contrast reservoirs in the Malaysian basins.

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