

UTILIZATION OF THE REPEAT FORMATION TESTER IN FORMATION EVALUATION IN THE MALAY BASIN

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Esso Production Malaysia Inc. has made extensive use of the Repeat Formation Tester (RFT) in the Malay Basin due to log analysis not always being definitive because of variable rock quality and problems in R_o determination.

The initial part of the presentation will review the basic operating principle of the RFT and the modifications made to improve testing success. An example of a Malay Basin well mud log, electric logs and log analysis will be presented. The planned (or theoretical) RFT testing program will then be presented and discussed followed by the results of the actual testing program.

Additional information that can be derived from RFT data will be discussed. This will include:-

1. permeability determination
2. fluid contact prediction
3. definition of hydrocarbon systems
4. hydrocarbon assessments
5. future well planning and
6. abnormal pressure determination.

The presentation will close with a discussion on problems related to RFT use and points to be remembered for good RFT results.
