

Paper 25**DHI analysis in the Malay Basin****K.W. RUDOLPH & F.W. RICHARDS****Esso Production Malaysia Inc.****Kompleks Antarabangsa****Jalan Sultan Ismail****Kuala Lumpur**

In this paper we will discuss the distribution and controls on direct hydrocarbon indicators in the Malay Basin, and focus on the techniques applied in DHI analysis. Our conclusions highlight the applicability and business importance of this technology to Malay Basin exploration and development.

We have found four techniques to be invaluable in DHI analysis in the Malay Basin: seismic modelling, seismic attributes, historical statistics and AVO (not discussed here). A thorough understanding of physical properties, as they relate to seismic signature via seismic modelling, is a key concept. Seismic attributes, applied on the workstation, are a powerful tool for evaluating potential DHI distribution for risking, assessment, and reservoir mapping. Historical statistics are critical in using DHI analysis for risking, as evidenced by the 70% DHI success rate for EPMI in the last three years.
