

OFFSHORE GEOPHYSICAL SITE INVESTIGATIONS IN THE MALAY BASIN

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Since 1969, more than a hundred exploratory wells have been drilled, and six oil production platforms with interconnecting pipelines installed in the Malay Basin. To facilitate the construction of these offshore structures and to provide pre-site well surveys for jack-up rig locations, geophysical site investigations must be conducted at selected locations during the initial stages of planning. Some common geophysical site investigations are side scan sonar, bathymetric, shallow boomer and sparker surveys. A reliable navigational network has to be set up to accurately determine the locations of structures and the locations of the pertinent geophysical and other data. All these methods help to identify the nature of the sea bottom, explore the shallow sub-surface and recognise potential hazards such as areas of gas seeps or possible unstable foundations.
