

UNIVERSITI TEKNOLOGI MARA

THE STUDY OF FILTRATION ON OIL & GAS APPLICATIONS

ZULKIFLI BIN BABA (98157157) & AZIZUL BIN ARIFFIN (98156598)

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بسماللهالرحمن الرحيم

In the name of Allah, the most gracious and merciful. We praise Him and we seek His blessing in His noble Prophet Muhammad s.a.w. First we give thanks to Allah who has enabled to complete this final year project.

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ABSTRACT

This project work report, the mean study type and application of Filter / Separator using for Oil & Gas and Petrochemical Industry. This report will be show how the filter / separator work and why is it very important to the petrochemical industry.

TABLE OF CONTENTS

	CONTENTS			PAGE
	PAGE TITLES			i.
	ACKNOWLEDGEMENT			ii
	ABSTRACT			iii
	TABLE OF CONTENTS			iv
1.0	INTR	TRODUCTION OIL & GAS IN MALAYSIA		
2.0	GAS FILTERS			7
	2.1	DEFINATION		7
	2.2	TYPE OF FILTERS		7
		2.2.1	HORIZONTAL GAS FILTERS	8
		2.2.2	IN LINE GAS FILTERS	8
		2.2.3	HORIZONTAL DRY GAS FILTERS	10
		2.2.4	HORIZONTAL LOW PRESSURE DRY GAS FILTERS	10
		2.2.5	LIQUID FILTERS	11

1.0 Introduction / History Oil & Gas in Malaysia

Malaysia approximately 500,000 square kilometers of acreage available for oil & gas exploration of which 205,500 square kilometers are currently covered by Production Sharing Contracts (PCS).

Until 1993, exploration and production activities took place in the broad continental shelf offshore of the states of Sabah and Sarawak in East Malaysia, and offshore of the state of Terengganu in the East coast of Peninsular Malaysia. The country's deeper offshore are as, with water depths of 200 metres or more, have only recently been opened to oil & gas exploration. Within the continental shelf, fire major sedimentary basis in Malaysia have been indentified as petroleum bearing. The water depth of these areas is between 25 and 200 meter. To date, exploration activities in the continental shelf have resulted in discoveries of 123 oil fields and 218 gas fields

Malaysia has been identified as an important market for the oil & sector. Malaysia is nature oil & gas producing country Petronas is one of the major regional oil & gas countries.

Reserves and production data provide an indication of the current levels and the potential for future activity. Note that the value of reserves in the following table are, the total of remaining proven and probable resources based on identified discoveries