



## SECTION I

### INTRODUCTION

A marine seismic reflection survey was conducted by the M.V. "Eugene McDermott II" in the Otway Basin from Cape Nelson to Cape Otway for Hematite Petroleum Proprietary Limited between 15th September and 29th October, 1973.

Approximately 2900 kilometres (1800 miles) of "72-fold" reflection coverage were shot using a 48 trace, 3200 metre, acceleration cancelling streamer under continuous tow in conjunction with a Pneumatic Acoustic Energy Source, a 19.655 litre tuned airgun array. Field and survey operations are fully discussed under separate covers.

Digital data processing was performed in the Sydney and Singapore offices of Geophysical Service International. All data were vertically stacked and processed as 24-fold data. Continuous Velocity Analysis was effected by the 700 Package Event Detection Module at our Singapore office.