



SECTION I

INTRODUCTION

A marine seismic reflection survey of 166.68 miles was conducted by Geophysical Service International (M.V. "Eugene McDermott II") in the Portland-King Island area for Hematite Petroleum Pty. Ltd. between 26th October and 29th October, 1972.

All data were recorded as 48-fold common depth point coverage utilizing a 48 trace, 3200 meter, acceleration cancelling streamer under continuous tow and a 1300 cubic inch 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 (2 on 1) and processed as 24-fold CDP, 48 trace data. Continuous Velocity Analysis was determined by the 700 Package event detection module at our Singapore office.

Concurrently with this new survey, some re-processing of previous work in the area was carried out with G.S.I.'s latest 700 Package techniques.

The EO and EP surveys were shot 6-fold, dynamite, 2400 meter cable, 24 trace recording, symmetrical split (1967-1968). The ER survey was shot 48-fold, Aquapulse, 2400 meter cable, 24 trace recording, off-end (1968).