

RESULTS AND INTERPRETATIONGeneral

Since one of the prime objectives was to determine the presence or absence of Latrobe Valley Delta Complex (hereinafter referred to as Latrobe Complex) rocks over what was thought to be a bald basement high the following interpretive sequence was adopted.

The refraction probes were plotted and a preliminary interpretation made of NEF R3 and R3R. This interpretation was used to locate the basement reflection where the probe crossed reflection traverses and the reflection sections were then interpreted. Average velocities from water bottom to the two shallower horizons were determined from the scattergrams and these results were incorporated into maps of these velocities prepared for previous surveys. Depths to Latrobe Complex and Basement were calculated from the reflection results in the area of the refraction probes and these horizons were plotted on the refraction interpretations. The refraction probes were reinterpreted incorporating reflection results to verify that the reflection chosen as basement was compatible with basement refractions. Finally horizon and isopach maps were prepared from the reflection data.

Preliminary Refraction Interpretation

Refraction results varied widely both in quality of signal and length of probe (See Operations Report). NEF R3, R3R and