

EL 27/79 (HAMILTON) QUARTERLY REPORT17/4/1983 to 16/7/19831st QUARTER PERMIT YEAR 4INTRODUCTION

This report covers all exploration pertaining to EL 27/79 (Hamilton) for the three monthly period, 17/4/1983 to 16/7/1983, and follows the six monthly report for the period to end permit year three (17/10/1982 - 16/4/1983). EL 27/79 was granted to Capricorn Mining Ltd. as a coal licence on the 17/4/1980. The licence area (Fig. 1) originally covered 870km² over the middle reaches of the Derwent Valley, and to date 240km² have been relinquished, leaving 630km².

During the quarter ending 16/7/1983 exploration work has been entirely devoted to the Langloh prospect. The exploration phase of the potentially open cut component of the project is now complete and a final set of structure and grade maps and tabulated data are included in this report.

A statement of expenses for the previous quarter and a work program for the next quarter are also submitted.

THE LANGLOH PROSPECT1/. Surveying

The collar co-ordinates and reduced levels of the Jan-Feb 1983 drilling (refer six monthly report ending 16/4/1983) were surveyed. These data are shown on Table 1 and the hole locations appear on all of the structure and grade maps.

2/. Written Logs and Graphic Logs.

Appendix 1 contains a set of written logs for the 1983 drilling with depths corrected against wireline density logs which were submitted in the last report. Graphic logs at 1:100 scale were added to Dwg. 82/6, completing a set of graphic logs covering all holes drilled to date.

The coal measure intervals from the five holes (H-20, H-22, H-23, H-24 and H-28) which intersected the Langloh coal series have been drawn at 1:10 scale (Dwg. 83/2) These graphic logs represent the actual core recovered from the ground and were used to define sample intervals for assaying. All graphic logs are included in Appendix 2. and a cross section composed of the 1:100 graphic logs (see Dwg. 83/5 for trace of Cross Section) is included in Appendix 3.