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INTRODUCTION

At the request of Getty Oil Development Company Limited, the writer commenced duties in Launceston, Tasmania, on October 24, 1972, in field preparation for the Phase I exploratory drilling of the Launceston Basin, a suspected sedimentary uranium environment. This is in Exploration Licence 16/72, held by Tenneco Australia, Inc.

During the drilling program, 122 effective rotary holes were completed in the period November 23, 1972, to January 28, 1973, by Austral United Geophysical Pty. Ltd. using two rotary rigs.

The drilling program was managed by the writer and supervised by Mr. P.A. Riddell Australasian Manager of Getty Oil Development Company Limited and Mr. G. Miller, Senior Geologist.

Competent assistance was given to the writer by way of sampling and logging drill cuttings by Messrs. P. Griffiths, B.Sc. and R. Willink, both of whom have passed Geology II stage of the University of Tasmania.

Appreciation is also extended to Mr. O. Szokoloczi of Blackwood Creek, for his public relations work with landowners of the area.

This report has been compiled to describe the results of the drilling program and to give a reasonably comprehensive guide to the history and physical nature of the Launceston Basin.

The complete set of geological logs is appended to this report as are the geophysical logs, showing gamma, S.P. and resistivity functions. A set of base plans at one inch = $\frac{1}{2}$ mile scale, to show drill hole locations, etc. and set of cross sections at one inch = 400 feet horizontal scale and one inch = 50 feet vertical scale, to show lithologies, has been prepared by draftsman M. Chatenay. These are also appended.