

1.0 INTRODUCTION

This report covers work on Exploration Licence 1/62 by E.Z. personnel between June 30th, 1979 and June 30th, 1980.

The work is carried out on behalf of a Joint Venture between E.Z. and Getty Oil Development Co. Ltd., which was initiated at the beginning of April, 1978 and signed on 17th November, 1978.

For the purposes of the Joint Venture the area includes E.L. 1/62 but excludes all E.Z. owned mining leases and an area of 2km² adjoining the mining leases in the Bobadil area. Mining leases owned by E.Z. over the Farrell Mine area are also excluded for all minerals except tin. A description of E.L. 1/62 can be found in E.Z. Report No. 131, Appendix 1.

2.0 ABBREVIATIONS.

Standard symbols and terminology used on geological plans can be found on Plate 1 - Geological Legend for Geological Mapping.

3.0 EXPLORATION PHILOSOPHY

The primary target for exploration within E.L. 1/62 is Pb/Zn/Cu deposits of the Rosebery type. The deposit is considered to be a classic stratabound, volcanogenic orebody deposited in a subaqueous environment but directly related to acid volcanism. Similar deposits to Rosebery which occur over a 20km strike length of the Mt. Read Volcanics are Que River (Pb/Zn/Cu), Chester (Fe), Koonya (Pb/Zn/Cu), Hercules (Pb/Zn/Cu), Jupiter (Pb/Zn/Cu) and Ring P.A. (Pb/Zn/Cu). Other deposits of suspected volcanogenic origin also occur in the region.

Tin deposits of the Renison/Cleveland type (carbonate replacement type) and the Queen Hill type (fracture controlled type) also represent a major