AUSTRALIAN ANGLO AMERICAN LIMITED

COMSTAFF PROPRIETARY LIMITED

SIX MONTHLY REPORT TO DEPARTMENT OF MINES

TO 31st DECEMBER 1978

1. INTRODUCTION

Most of the field work was done during the first six months of 1978. Work was concentrated on the Renison East and Chester-Pinnacles areas under the control of G. Pigott and D. Hall (Preussag) respectively. Details of the work completed are contained in the progress reports for the two areas. Two diamond drill holes were completed, and an assessment of the Comstaff tenements was undertaken during the second half of the year.

2. RENISON EAST

Grid GAP was extended northwards for 1000m by cutting lines 3200N to 4000N. All grid lines, except 4000N, were surveyed by IP and magnetics, and selected IP anomalies were checked by SP and EM. Eleven IP anomalies were located, one of which was examined by a costean.

Geologically, it was found that most of grid GAP is underlain by rocks which have been equated with the Crimson Creek Group. Although no bedded dolomites were identified, one of the faulted serpentinites at the western end of lines 3200N and 3400N has been dolomitised and contains galena and sphalerite. The faults bounding the serpentinite have anomalous copper, lead, zinc and tin values, and they are considered to be conduits for hydrothermal solutions in a similar way to the Bassett-Federal Fault at the Renison Tin Mine.

One borehole, RBE 2, was sited on line 3200N at 3740W. It was inclined at -50° on a bearing of 280°M and was completed at 313.5m. This borehole was drilled to explore the altered serpentinite exposed in the Colebrook River. Up to 20% disseminated pyrrhotite was intersected in the serpentinite, but assay results are not yet available.

3. CHESTER-PINNACLES

The East Chester grid lines were extended north-west and

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