Annual Report for
E.L. 1570 — BIGLYI WEST

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SUMMARY

1:25,000 scale mapping in 1979 showed that the area containing, or potentially containing, Mount Eclipse Sandstone was small and that the proportion which was prospective for uranium was inadequate to sustain a satisfactory exploration programme.
INTRODUCTION

Exploration Licence 1570 was first granted to Central Pacific Minerals N.L. for 12 months from January 27th, 1978 and was renewed for an additional 12 months in January, 1979. No renewal has been sought for 1980.

The area relating to the licence was reduced from the 15.48 square miles allowed in 1978 to 11.02 square miles in 1979 due to changes in the boundary mineral tenements.

PREVIOUS INVESTIGATIONS

The area had previously been part of E.L. 605, Yuendumu and E.L. 360, Autobahn. During the tenure of those Exploration Licences (and their antecedent Authorities to Prospect) an amount of reconnaissance work including mapping, aerial radiometrics and Track Etch had been carried out. No uranium mineralization was located within the area.

Much of the area underlain by potentially uraniferous Mount Eclipse Sandstone is covered by sand, and in an effort to detect uranium through this cover, an alphaMETER survey was carried out (in 1978). However, the entire area of this survey was excised from the licence for the following year and thus none of the anomalies have been tested.

CURRENT INVESTIGATIONS

Since virtually all of the Mount Eclipse Sandstone for which the area was initially taken was excluded from the 1979 licence area, the principal activity in 1979 was to determine whether the remaining area contained any sandstone with uranium-bearing potential and if so, whether there was sufficient to sustain a reasonable exploration programme.

To this end, 1:25,000 scale mapping of the remnant area was carried out. No Mount Eclipse Sandstone was found in outcrop (see enclosed map) although it is probable that a minor amount may exist in the extreme S.E. corner, in suboutcrop. However, the maximum possible strike length available is less than 1,500 metres and the favourable horizon, if present at all, is likely to be a very small proportion of this.
Apart from the Mount Eclipse Sandstone, the area was underlain by Adelaidean sediments and crystalline basement, none of which is considered likely to host substantial uranium mineralization.

**EXPENDITURE**

Expenditure for the year was $7856.96.

**CONCLUSIONS**

E.L. 1570 in its present form, does not offer sufficient scope for sedimentary uranium to warrant further exploration effort.
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