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SURRENDER REPORT
ON
EXPLORATION LICENCE 3308
HUCKITTA
NORTHERN TERRITORY

Covering the period
25 June 1984 to 28 June 1985

Compiled by
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PERTH
AUGUST 1985

NORTHERN TERRITORY
GEOLICAL SURVEY
CR85/208
SUMMARY

No field work was carried out during the period. EL 3308 was surrendered on 28 June 1985.
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Figure 1 240003 Project NE Arunta 8240 - Tenement Location
1. INTRODUCTION

EL 3308 was granted on 25 June 1982, covering an area of 153 blocks (450 km²). Exploration during the first year was carried out by Uranerz Australia Pty. Ltd. (UAL) with uranium as the main target. Geopeko withdrew from the farm-in at the end of the second year. Ministerial approval was given to a deferment of the halving requirement for the third year and an assessment was made of the work carried out by Geopeko. Efforts made to attract other joint venture partners were unsuccessful and the tenement was surrendered on 28 June 1985.

2. LOCATION

EL 3308 is situated 15km north of Huckitta Outstation, approximately 200km northeast of Alice Springs on the HUCKITTA 1:250,000 Sheet SF 53-11.

3. GEOLOGY

The project area is contained within the Arunta Block, a region of igneous and metamorphic rocks exposed between Alice Springs and Barrow Creek, which results from at least two periods of uplift; the first in the Proterozoic at about 1700 Ma and the second in the Palaeozoic at about 340 Ma. The rocks of the Arunta Block are subdivided into three lithological divisions based on areal distribution, metamorphic character and stratigraphic position. Division I consists of mafic and felsic rocks, almost always metamorphosed to granulite grade. Division II units contain a higher proportion of sedimentary rocks while Division III units are characterised by pelites and psammites. Division II units are less deformed than Division III unconformably overlies Division II. All units are older than 1800 Ma.
The Arunta Block is cut by numerous major faults or deep seated deformed zones which trend mainly west-northwest. The exploration target models associated with these deformed zones were firstly uranium associated albitite targets, and secondly, for skarn-type deposits located on the exocontact of uraniferous post-tectonic granites, in calcsilicate lithologies.

4. INVESTIGATION AND RESULTS

An assessment was made of the airborne magnetic and radiometric survey carried out by Geopeko, however, due to budget restrictions no ground checking was done. No other technical work was carried out during the third year of tenure.
5. STATEMENT OF EXPENDITURE

EL 3308
Covering the period 25.06.84 to 24.06.85

Salaries and Wages $ 799

Drilling Contractor nil

Field operating costs including consumables, rents, vehicle operating and repairs, airfares, freight etc. $1,630

Depreciation of vehicles and geophysical instruments, consultants fees, management and distribution of Head Office costs $ 486

$2,915

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