EXPLORATION LICENCE 4923

RELINQUISHMENT REPORT

EUPENE EXPLORATION ENTERPRISES PTY LTD

OPEN FILE

31st January 1989

DARWIN NT
EXPLORATION LICENCE 4923

RELINQUISHMENT REPORT

FOR YEAR TWO

18 JANUARY 1988 TO 19 JANUARY 1989

for

JOHN WALTON HOLDINGS P/L

by

Susan H Hickey

Bsc (Hons)

of

EUPENE EXPLORATION ENTERPRISES PTY LTD

DARWIN 5052-4
Bynoe 5072
PINE CREEK
Reynolds River 5071

JANUARY 1989
DARWIN NT
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**TENURE**

Exploration Licence 4923 is approximately 110km southwest of Darwin via the Stuart Highway, Mandorah Road and Litchfield Park Road. It is located between the Finnis and Reynolds Rivers, east of Two Sisters Granite (Figure 1).

EL 4923 was granted to John Walton Holdings Pty Ltd on the 20th October 1986 for a six year period.

This report covers the work completed on the portion relinquished at the end of year two of tenure.
GEOLOGY

The regional geology of the licence area is covered by the BYNOE 1:100,000 Explanatory Note Series (Pietsch, 1986) and the REYNOLDS RIVER 1:25,000 Compilation Sheet Series, both of which are produced by the NT Geological Survey, Department of Mines & Energy.

Specifically, the licence covers the eastern edge of the Two Sisters Granite batholith and the contact zone with the Early Proterozoic Burrell Creek Formation.

The contact aureal with the Burrell Creek Formation is well known for its pegmatite outcrops. Numerous quartz veins and zoned pegmatites have been mapped by the NT Geological Survey (Pietsch, 1986).

The general strike of the veins and pegmatites is 045 degrees (grid) in the licence area. They outcrop sporadically throughout the licence, commonly marked by cream to green weathered feldspar and grey coarse mica. The contact between granite and metamorphosed pelites of the Burrell Creek Formation is covered by surface sediment. However, from NT Geological Survey drilling it can be placed approximately along the course of Burton Creek some two to three km east and parallel to the distinct Burrell Creek Formation plateau marked by Mount Farrington, Mount Marie and the 146 Feature.

In the northern portion of the licence on BYNOE, the contact is marked by a fault which runs generally northeast to southwest, south of Porters Creek.
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Results in ppm
RC – Rock chip
S – Soil
WORK COMPLETED

A total of 19 samples were taken over the area that was relinquished; five rock chip samples and 14 soil samples.

The results which were disappointing are listed in table 1.
REFERENCES

Pietsch, B A 1986-

Bynoe, Northern Territory
1:100,000 Geological Map Series
Northern Territory Geological
Survey Explanatory Notes
SD 52-4 (5072)