NOBELEX N.L.

ANNUAL EXPLORATION REPORT

EXPLORATION LICENCE 376 - SHORT RANGE III.

TENNANT CREEK, NORTHERN TERRITORY.

for the year ending

12th August, 1974.

OPEN FILE

MINES BRANCH
GEological DEPARTMENT

Prepared for NOBELEX N.L.

By AUSTRALIAN DEVELOPMENT LIMITED
Managing Agents for NOBELEX N.L.
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SECTION 1.  ANNUAL EXPLORATION REPORT.

1. INTRODUCTION.

Exploration Licence 376 covers an area of 65 square kilometres and is located 48 kilometres northwest of Tennant Creek (see Fig. 1). Access is by a graded road 10 km northeast from Warrego Mine. This report should be read in conjunction with the Annual Exploration Report for the year ended 22nd August, 1973.

Exploration work during the period consisted of the completion (under contract) of a low level airborne geophysical survey over the entire EL and selection of one anomaly for gridding.

2. EXPLORATION.

2.1 Magnetic Anomaly SR 503.

Location.

Latitude: 19° 22'30"
Longitude: 133° 48'17"

Anomaly Location.

This anomaly was defined by the 1974 low level airborne geophysical survey (see Figs. 1 and 2).

Further Work.

Location of the anomaly on the ground and gridding is planned.

2.2 Airborne Geophysical Survey.

A low level airborne geophysical survey over the entire area of EL 376 was completed during the period. Warramunga Group rocks are thought to underlie all of the area. This survey superseded an earlier low level survey which had returned poor quality data and was flown prior to the tenure of EL 376.

The survey comprised 65 kilometres flown north-south at 200m line spacing with an MTC of 91.4m. Visual navigation was used to coordinate the line positions.

The results of the above survey were delivered to the Company in July, 1974. Following qualitative interpretation, one magnetic anomaly was selected for initial ground follow-up; this being SR 503 (see above).
3. SUMMARY AND EXPENDITURE.

A summary of exploration work on EL 376 - Short Range III; during the period is given below.

Airborne Geophysics: 65 sq. kilometres.

The total expenditure on EL 376 for the second year of tenure was $3,406.

The total expenditure on EL 376 to date is $4,899.
FIG 1 LOCALITY MAP - EL 376 SHORT RANGE III

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SCALE 1:250,000
SECTION 2.  

TECHNICAL DATA.

1. Airborne Geophysical Survey. (See Pocket).

1.1 Total Aeromagnetic Intensity Contours Plan - FL 376 Short Range III.

Figs. 2 - 3.

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