TITLE: SURRENDER REPORT FOR EL4941

TENEMENT NO'S:

PERIOD: 3RD JUNE 1987 - 2ND JUNE 1988

TENEMENT
HOLDERS: MINERAL HORIZONS NL
11TH FLOOR
28 THE ESPLANADE
PERTH WA 6000

OPERATORS: WENTWELL PTY LTD

AUTHOR: D. BOYER

DATE: 5TH OCTOBER 1988

1:250,000 Sheet: Bonney Well SF53-2

COPY NO: 1

128702jt.210
DISTRIBUTION:

1. Department of Mines.
2. Mineral Horizons NL, Darwin
3. Mineral Horizons NL, Perth
4. Wentwel
CONTENTS

1. INTRODUCTION

2. LOCATION AND ACCESS

3. CLIMATE

4. TENEMENT

5. GEOLOGY AND PAST EXPLORATION

6. CURRENT EXPLORATION

7. DISCUSSION AND CONCLUSIONS

8. REFERENCES

APPENDICES

APPENDIX 1. ASSAY RESULTS
## LIST OF DRAWINGS

<table>
<thead>
<tr>
<th>DRAWING NO.</th>
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<td>NT007</td>
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**SUMMARY**

During the first year of tenure of EL4941 geological mapping, rock-chip sampling and eluvial sampling were carried out. Assaying showed that the "Hill of Leaders" is not prospective for gold and although a number of weak gold anomalies were detected in the southern part of the licence area these were not regarded as being of economic significance. During the current year stream-sediment sampling failed to produce any anomalous gold values and it was therefore decided to surrender the tenement.
1. INTRODUCTION

Fieldwork carried out during 1986 and 1987 on EL4941 included geological mapping, rock-chip sampling and eluvial mapping. Results of this work are presented in the Annual Report for EL's 4940 and 4941, Kurundi District (Shields and Boyer, 1987). During the current year of tenure stream sediment sampling was carried out prior to the decision to surrender the tenement.

2. LOCATION AND ACCESS

The tenement is located 100km southeast of Tennant Creek (Drawing No. NT1/007). Access is via the sealed Stuart Highway as far as the Kurundi Station turnoff, and then via a graded road to the Kurundi homestead and then station tracks.

The northern part of the area is flat or gently undulating but the steep hills of the Murchison Ranges occupy the southern part of the licence.

3. CLIMATE

The region has tropical, semi-arid climate and very little rain has fallen in the last 5 years. Southeasterly winds, which are sometimes strong, result in significant wind erosion.

4. TENEMENT

The tenement is shown on Drawing No. NT1/008.

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The excised leases all cover tungsten prospects.

5. GEOLOGY AND PAST EXPLORATION

For a description of the regional geology, economic geology and previous exploration see Shields and Boyer, 1987.
6. CURRENT EXPLORATION

Exploration carried out during the past year of tenure included a thorough review of previous work and the collection (by helicopter) of 3 stream sediment samples. These samples were weighed and assayed of their sample locations are shown on Drawing No. NT007. The results are given in Appendix 1.

7. DISCUSSION AND CONCLUSIONS

Assaying of samples collected during the first year of exploration revealed that the "Hill of Leaders" is not prospective for gold. Stream-sediment sampling as a follow up to the minor gold anomalies found during the rock-chip sampling programme failed to reveal any anomalous gold values.

As a consequence of these disappointing results the exploration licence was surrendered on the 16th August 1988.

8. REFERENCES

APPENDIX 1

ASSAY RESULTS
20 August 1987

Camon Management Pty Ltd
GPO Box K855
PERTH WA 6001

ATTN: MR D BOYER

Report - 23060

YOUR REFERENCE: 37901
IDENTIFICATION: As listed
WORK REQUIRED: Weighing
DATE RECEIVED: 31 July 1987

Chief Chemist, Perth Laboratory: H R Firns

General Manager - W.A. Division: K J Renton
## SCREEN SIZINGS

Mass of fractions, grams

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14 August 1987

Cameron Management Pty Ltd
GPO Box K855
PERTH WA 6001

ATTN: MR D BOYER

Report - 23060

YOUR REFERENCE: 37901
IDENTIFICATION: As listed
WORK REQUIRED: Cu Pb Zn Ag As Au
DATE RECEIVED: 24 July 1987

Chief Chemist, Perth Laboratory: H R Firms
General Manager - W.A. Division: K J Renton
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**SUBTOTALS** | 72             | 2480        | 755                            | 589      |              |        |              | 229          |               | 825 | 4950       

**TOTAL** | **4950**   |

**LOCAL OFFICE OVERHEADS** | **2166**   |

**HEAD OFFICE OVERHEADS** | **1800**   |

**GRAND TOTAL** | **$8916**
NORTHERN TERRITORY GEOLOGICAL SURVEY - GEOSYSTEM DATA SHEET

REPORT NO.                                               SECURITY

REPORT TITLE  SURRENDER REPORT FOR EL 49.41

AUTHOR (S)                                               D. Boyer

PUBLISHER

PLACE OF PUB’N                                         DATE OF PUB’N

DATA TYPE HARD COPY PAGES OF TEXT 3

ACCOMPANIMENTS 1 APPENDIX

DRILL CORE? NO

LICENSE’ NO. EL 49.41

PROJECT YEAR (S) 2

LICENSEE (S) MINERAL HORIZONS NL

JOINT VENTURE (S) 1

OPERATOR (S) MINERAL HORIZONS NL

1:1 000 000

1: 250 000 BONWEY WELLS 563-2

1: 100 000

1: 50 000

PROSPECT NAME

SITE LOCATION LAT: 20° 15’ LONG: 131° 45’

EAST: NORTH:

TECTONIC UNIT

MAJOR TERM  ○ PETROLEUM GEOL.   ○ METALLIFEROUS MINERALS
○ NONMETALLIFEROUS MINERALS

MINOR TERMS

DRILLING
○ DIAMOND
○ PERCUSSION
○ AUGER
○ ROTARY

GEOPHYSICS
○ MAGNETIC
○ RADIOACTIVITY
○ E.M. SURVEYS
○ RESISTIVITY SURVEYS
○ GEOPHYSICAL ANOM
○ GRAVITY

GEOROBICHEMY
○ STREAM SEDIMENT
○ SOIL
○ ROCK CHIP
○ WATER

GROUND
○ G S SURVEY METHOD
○ I P SURVEY METHOD
○ SEISMIC SURVEYS
○ RESISTIVITY SURVEYS
○ GEOPHYSICAL ANOM
○ GRAVITY

GEOROBICHEMY
○ DRAINAGE TESTING
○ ASSAYING
○ GEOCHEMICAL ANOM

GENERAL
○ GEOL. MAPPING
○ PHOTOLOGOLOGY
○ GRIDING
○ METHODS
○ REGIONAL GEOLOGY
○ LOCAL GEOLOGY
○ STRATIGRAPHY
○ RECONNAISSANCE
○ LOGGING

NOTES

ABSTRACT ATTACH

INDEXED BY/DATE CHECKED BY/DATE