FINAL REPORT
MINERAL CLAIM S94
ATNARPA AREA, NT

BY
I K BUTLER, B APP. SC

OF
AZTEC MINING COMPANY LIMITED

DME LIBRARY
- 7 NOV 1995
SCANNED

HUCKITTA SF53-11
DARWIN NT
September 1993
TABLE OF CONTENTS

SUMMARY

1. INTRODUCTION

2. TENURE

3. GEOLOGY
   3.1 Regional Geology

4. WORK CARRIED OUT AND RESULTS

5. REFERENCES

LIST OF FIGURES

Figure 1. MCS94 Location Map ....................... 1:2,500,000

Figure 2. Geology
SUMMARY

Mineral Claim S 94 is located in the Atnarpa area 90kms east north east of Alice Springs in the Northern Territory. Geologically it is situated in the Early Proterozoic Arunta Block, a polydeformed highly metamorphosed orogen comprised of sediments and volcanioclastics and intruded by granites.

Mineral Claim S 94 was pegged by Petrocarb Exploration NL in the 1970's to search for polymetallic base metal mineralisation associated with an outcropping gossan. There are no old Petrocarb records currently held by Aztec Mining Limited indicating any substantial exploration was carried out on the Mineral Claim.
1. **INTRODUCTION**

Mineral Claim S 94 is located 90 kms east north east of Alice Springs in the Atnarpa area of the Northern Territory (Figure 1). It is on the Huckitta 1:250,000 geological map sheet.

The lease was taken out by Petrocarb Exploration NL who operated the Molyhill Mine to the NW and held leases around the Jervois Mine area to explore for base metal mineralisation associated with an outcropping gossan.

The aim of this report is to outline the work conducted during the period of tenure.

2. **TENURE**

Mineral Claim S 94 was granted to Petrocarb Exploration NL. Since the granting Petrocarb Exploration NL was incorporated into Nicron Resources Ltd which in turn has become a wholly owned subsidiary of Aztec Mining Company Ltd.

3. **GEOLOGY**

3.1 **Regional Geology**

Mineral Claim 94 is located within the Arunta Block, a polydeformed orogen which originated as a sequence of sediments and volcaniclastics within the period 2400 to 2000 Myr (Stewart, Shaw and Black 1984). The orogen was widely metamorphosed and granites intruded in periods from 1800 Myr to 900 Myr.

The Arunta Block is interpreted to be made up of a partly fault bounded Central Tectonic Province of high grade metamorphic rocks and a few granites, flanked by the northern and southern provinces which contain low grade metamorphic rocks and numerous granite intrusions. (See Figure 2). The block is surrounded on most sides by Proterozoic and Phanerozoic sedimentary cover.

The geology of the block has been subdivided into three divisions.

4. **WORK CARRIED OUT**

Mineral Claim S 94 was taken out by Petrocarb Exploration to explore for polymetallic base metal mineralisation associated with an outcropping gossan. No other tenure was taken up around the single Mineral Claim. There are no old Petrocarb records currently held by Aztec Mining Limited indicating any substantial exploration was carried out on the Mineral Claim.
Generalized geological map of Arunta Block, showing major stratigraphic subdivisions and granite. Compiled from geological mapping, airphoto interpretation, and aeromagnetic interpretation by BMR, 1956-1976. Inset map shows location of Arunta Block in Southern part of Northern Territory.
5. REFERENCES


