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ECONOMIC MINERALS
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PB-AE-001(1)

EXPLORATION REPORT
(Surface Reconnaissance)

ON

QUARTZ MINERAL EXPLORATION PERMIT NO 5

INTRODUCTION

In late September, 1967 the writer and an assistant attempted to reach Quartz Mineral Exploration Permit No 5 held by Mr. Newton Wolverton of Vancouver, British Columbia. It was intended to undertake a geological reconnaissance of the permit area and to drill a number of shallow test holes. A packsack diamond drill and a magnetometer were taken in for this purpose.

WORK PERFORMED

Although several different cat trails were tried, wet weather and muskeg prevented access into the permit area with a four wheel drive truck. No helicopters were available in High Level at the time. When it became evident that access was impossible, it was decided to test the usefulness of the packsack drill in the

general area. Two test holes were drilled off the permit area to depths of 25 and 30 feet. These depths were the limit of the machines ability to drive casing. In neither case was the overburden penetrated and the drilling was abandoned.


CONCLUSIONS AND RECOMMENDATIONS

The results of the reconnaissance were meager but did show that there is no simple or inexpensive way to explore the permit block. Even a limited drilling program will require more than the portable packsack drill. If undertaken during the summer a drilling program will require helicopter support. A winter operation will require bulldozers and tracked vehicles. In either case this would involve a considerable monetary outlay.

Before a drilling program is considered it is suggested that a photogeological study be made of the area. If favorable structural conditions are found to be present, it should be followed by one or more geophysical surveys. In this area a magnetometer, gravity or induced polarization surveys would be of most value.

December 4, 1967

Respectfully submitted


R. D. Wesemann, P. Eng.