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PERMIT TERMINATION REPORT

QUARTZ MINERAL EXPLORATION PERMIT 139

IN THE PROVINCE OF ALBERTA

by

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June 1, 1970
Results of 1969 Exploration Programme

An airborne radiometric survey covering the complete permit area was conducted by Geo-X Surveys Ltd. of Vancouver. The instrument employed in this survey was an "Exploranium DIGRS - 2000", 4-channel spectrometer equipped with three 6" by 4" crystals. The radiometric results are presented on the attached map. A second map shows the location of flight lines.

Flight line spacing is 1/8th mile. Background for the Bi$^{214}$ radiation averages 4 - 5 counts per second over the permit area. Several areas of anomalous radioactivity are evident on the map and these show intensities of 2 - 3 times background.

Several of the anomalies warrant a follow-up field exploration program. In view of the costs involved and the current unfavourable situation regarding uranium exploration, it was decided to abandon Permit 139.

A geological report is included with this report. The lithological and structural information therein is based in part on aerial photograph interpretation.

Approximate Costs of the 1969 Exploration Program on Permit 139

- Airborne radiometric survey: $2000.00
- Interpretation of radiometric data: 300.00
- Geological report including aerial photograph interpretation: 200.00
- Air photos, maps, other publications and drafting: 100.00

TOTAL: $2600.00