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Ted Claim
Gravity Interpretation
Yukon Territory

for

Anvil Mining Corporation

by

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July, 1972

Ted Claims

Gravity Interpretation

Field work was completed on the above claims by Roving Exploration in late May and early June, 1972. Stations were spaced at 200' on lines 400' and 800' apart and on a base line. A total of 78 stations were surveyed and metered. Gerard Schentowski was meter operator and party chief of the three-man crew. Quality of the work is high.

Meter drift was rather high, but drift corrections made in the field are adequate. Latitude and free-air and Bouguer corrections were also made in the field. Mr. Schentowski prepared a Bouguer map and Bouguer and elevation profiles, all of which have been used by the writer in preparing the analysis which follows. The Bouguer map and profiles will be submitted to Anvil by Roving independently of this report. The elevation correction factor of 0.061 used in computing Bouguer values is reasonably close to that usually used in this part of the Yukon. That is, it corresponds to the density of country rock normally found there. However, country rock in this particular area is generally higher than normal, and topographic effects are seen in the Bouguer values.

Regional - Residual Map

A single map is included in this report. It shows regional removed (heavy, dashed contours at a 0.5 mgal. interval) and the remaining residuals (lighter weight, solid contours at a 0.1 interval).

The regional cannot be ascribed to a single mass distribution at depth. In part it represents distribution of surface country rock of differing density and in part elevation change in areas of heavier-than-normal rock outcrop. Deeper effects also are present in the regional. If detailed surface geology were made available, it might be possible to sort these out one from the others. The regional does indicate a westerly plunging nose which is possibly related to a deep-seated intrusive mass in the southeast portion of the area. Depth to top is 800' - 3500'.

Establishment of regional was a very questionable undertaking because of the limited extent of the survey. Therefore the residuals are under rather poor control. However, no obvious, strong residual positives are thought to exist. None of the minor ones shown, including that of 0.4 mgal. amplitude on line 24E, are considered significant.

No recommendations of further work on this prospect are made.

Respectfully submitted,

Robert B. Galeski

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