

OVERLAND

EXPLORATION SERVICES (1969) LTD.

1347 - 12th AVENUE S.W.
CALGARY 3, ALBERTA, CANADA

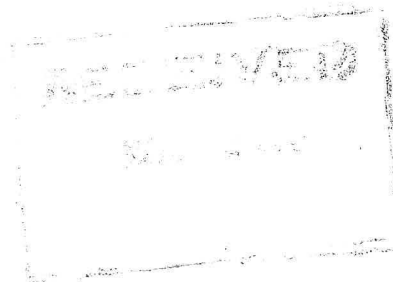
TELEPHONE
403 - 244-2191

015924

GRAVITY
MAGNETICS
I.P. SURVEYS
RADIO ACTIVE SURVEYS
DRILLING
LINE CLEAN UP
LINE CUTTING
GEOLOGY

October 29th, 1970

Mr. J.S. Brock
Vice-President Exploration
Atlas Explorations Limited
330 Marine Building
355 Burrard Street
VANCOUVER 1, B.C.



Dear Mr. Brock:

I am afraid that all of my thinking has been oriented to the fact that the main Lorna anomaly is too large to be an ore body. Of course, if there is this chance then drilling should follow.

Our computer estimates of this anomaly is that burial should be no greater than 300 feet. My personal opinion is that it could be double that. I base this opinion on the profiles along with the fact that each profile is in itself incomplete.

It is highly unlikely that the slab is vertical in disposition. However, because we do not have the north and south flanks of the anomaly completely defined we cannot offer a correct analysis of the probable dip. On the 24 W. Line the dip looks like it should be to the south, on the 32 W. Line it could be to the north. The surest program to guarantee an intersection with the source would be to drill inclined holes from both sides. However, vertical drilling over the center of the highs should contact the anomalous material.

Our first estimation of excess mass using the differential formula of $\Delta P = 0.75 \text{ g/Cm}^3$ equals 200 million tons. If

.....Cont'd.....

Mr. J.S. Brock


October 29th, 1970

of course, you increase the density differential you will increase the tonnage to an astronomical figure.

As far as further work, if there is any encouraging results we will conduct it at the previous contract price. Provided, of course, there is a camp available for our people to stay in.

Yours very truly,

OVERLAND EXPLORATION
SERVICES (1969) LTD.

A handwritten signature in dark ink, appearing to read "W.T. Salt", written over a horizontal line. A long, thin diagonal stroke extends from the bottom right of the signature down towards the bottom of the page.

W.T. Salt

WTS/jp

October 27th, 1970.

Mr. W. T. Salt,
Overland Exploration Services Ltd.,
1347 - 12th Avenue S.W.
Calgary 3, Alberta.

Dear Bill:

Thank you for your reply of October 21st regarding interpretations of the 'Lorna' gravity results.

We do plan on drilling this anomaly within the next two weeks. It is interesting to note that the Faro and Vangorda sulphide zones are moderate-to flatly-dipping lenses of dimensions in the order of 5000 to 6000 feet long, 1000 feet wide and 50 to 200 feet thick. Specific gravity of these sulphide masses is about 5.5.

From interpretations of magnetics and known geology we are assuming a lense of massive sulphides with a steep to moderate dip to the southwest exists on the Lorna Claims. Assuming the causative structure to be massive sulphides, what interpretation of dimensions, depth and excess mass could be derived? Also, would your selection of drill holes still be the same?

Encouraging drill results will necessitate further gravity surveys in the area. We would tentatively plan another 16 line miles of survey for mid-November. Your quotation for this contract would be appreciated.

Yours truly,

ATLAS EXPLORATIONS LIMITED,

J. S. Brock,
Vice-President Exploration

JSB/mp