

~~DL~~

DEC 6 1976
B
7-10
3

KERR ADDISON MINES LIMITED

(FOR INTER-OFFICE USE ONLY)

008692

To D.A. Lowrie

From W.M. Sirola

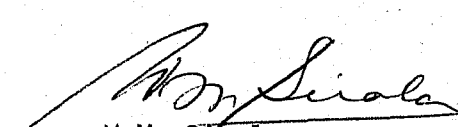
Subject Carmack Coal Leases - Geophysics

Date December 1, 1976

With regard to your memorandum of November 29 on this subject, I have the following answers:-

- (1) I raised the question of Tom Walker's experience in flying VLF over coal deposits on a previous occasion. He has no experience along these lines.
- (2) Right on. Snow would probably be just as destructive as overburden to any radiation counter. This would be particularly true of weak anomalies. I did not think flying at a later date would help the cause very much because of the overburden problem.
- (3) Berretta did not try the low frequency ground EM system because:-
 - (a) The coal in itself was not a conductor, and
 - (b) He thinks the response obtained on VLF is from an ionic conductor (fault or shear) which would not respond to low frequency energy. I agree, however, that it would have been a good idea regardless of Berretta's reasons. In that connection, however, Glenn Simpson tells me that they did try a CEM unit over the coal and got no response. !!!

Since our intent was to use an air-borne technique for following the coal, my feeling was that the VLF system would be far less expensive than bringing a conventional EM system from some centre such as Calgary or Toronto.


W.M. Sirola

WMS/meb