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February 7, 1969

ECONOMIC MINERALS
FILE REPORT No.

S-AF-175(2)

Mr. Derek L. Hope,
11 Fawn Crescent,
Calgary 27, Alberta.

Dear Mr. Hope:

Re: Sulphur Prospecting Permit No. 175

During the past year we have conducted preliminary field examinations of Sulphur Prospecting Permits for a number of clients. Samples collected in the field have been analyzed for sulphur content by Chemical and Geological Laboratories and our recommendations to clients have been based on the results.

Late in 1968 one of our clients arranged for check analyses of samples from Sulphur Prospecting Permits to be made by several other laboratories and the results showed that many of the reported higher sulphur values could not be confirmed. Indeed, there were alarming discrepancies between the results. In general, and particularly with the muskeg samples which were high in organic material, the Chemical and Geological Laboratories results were much higher than the results from other laboratories. We have discussed this situation with the managers of the several laboratories and it appears that errors in analyses for elemental sulphur can develop in samples with high organic content. In other words, it is possible that organic materials or paraffins may be recorded as sulphur.

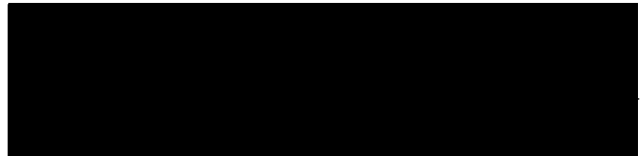
All but one of the Permit No. 175 samples with the reported higher sulphur values were muskeg material and we are now convinced, on the basis of widespread check analyses, that these results must be strongly discounted.

The highest reported sulphur value from Permit No. 175 was 32.16 percent elemental sulphur for Sample No. 175-5-1 at 8 feet. This sample is recorded as sandy clay with a sulphurous odour. We took the liberty of having a check analysis of this sample made by Loring Laboratories Ltd. They recorded only 8.38 percent sulphur for this sample. A copy of the report is attached.

In conclusion, we now consider the analysis of 8.38 percent sulphur for the sample at location 175-5 to be the only significant analysis from your permit. This value is somewhat higher than might be expected from soil samples in this area. Nevertheless, we consider the possibility of locating a commercial deposit of sulphur on Permit No. 175 sufficiently remote that we hesitate to recommend the expenditure of any further exploration effort.

Yours very truly,

J. C. SPROULE AND ASSOCIATES LTD.

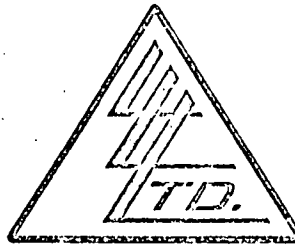


S. R. L. Harding, P. Geol.

SRLH/fc
Encl.

To: J. C. SPROULE & ASSOCIATES
P. O. Box 2525
Calgary, Alberta

File No. 1594
Date January 9, 1969
Samples reject soils



Certificate of
ASSAY of
LORING LABORATORIES LTD.

629 BEAVERDAM RD., N.E., CALGARY 67
PHONE 277-6797

SAMPLE No.	Elemental %S
175-5-1-8'	8.38 This assay for elemental sulphur was analysed by the aniline procedure, outlined by Low, Weinig, & Schoder.