

MAR 19690062: ALBERTA

Received date: Dec 31, 1969

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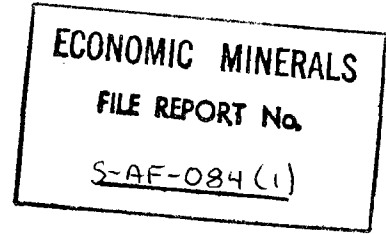
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Edmonton, Alberta
February 10, 1969

Director,
Minerals Division,
Department of Mines and Minerals,
Agriculture Building,
9718 - 107 Street,
Edmonton, Alberta.



Dear Sir:

RE: Sulphur Permit No. 84.

This is to advise your Department of the progress of our investigations on Sulphur Permit No. 84, and to advise that we will not renew this permit as our investigations did not reveal commercial quantities of sulphur.

We would appreciate refund of whatever portion of our deposit is refundable under the circumstances.

Investigation Conducted

Commencing last February Mr. Vos and two associates visited slumping areas on Section 15 in Township 37, Range 21, West of the 5th Meridian in order to determine if surface sulphur evidenced there could be traced back to deposits which warranted thorough investigation.

Only surface "hot-spring" sulphur deposits could be located in the slide area, which was revisited by the same group on several occasions.

It was determined that the clay material containing the sulphur had slumped down the slope from fairly near the top. It was felt that perhaps layers of material with high sulphur content may exist at that level, with sulphur concentrations being greatly reduced as pieces of the bank broke off and crashed down the hill mixing everything together.

Because there was no clearly exposed face, it was thought necessary to drill to determine what the undisturbed layers looked like, and to see if there was a layer containing sulphur.

Consequently a seismic drilling rig was rented from Mr. Utas of Grimshaw and five holes were drilled to a depth of 50 feet. Samples were taken periodically as each hole was drilled. The drill locations were spaced along and just back from the top of the slide area in which surface sulphur was evidenced. Nothing was found except clay, soft shale and silt stone.

Following this failure, it was determined that perhaps an exposed face could be located along the Whitemud River which flows through sulphur permit 84.

Consequently an aircraft was obtained from Mr. V. Estabrooke of Grimshaw, who flew the valley on two occasions.

Several vertical faces were located which showed the stratification for up to 80 feet below the surface. It was not possible to determine the nature of the strata from an aircraft however, and so a helicopter was rented from Rocky Mountain Helicopters and on July 2, 1968 two experienced men were flown in to examine the exposed faces and obtain samples if any probable value was located.

They located one face in Section 26 in Township 87, Range 21, West of the 5th Meridian which on close examination from the helicopter revealed apparently high concentrations of sulphur. The entire face was yellow in appearance.

Consequently a helicopter landing area was cleared near the top of this face and samples were taken and flown out.

All appearances at this time were that a substantial thickness of sulphur-rich material had been located. The material sampled was sulphur yellow in appearance, with relatively little impurity.

Consequently the samples were analyzed by Chemical and Geophysical Laboratories Ltd.

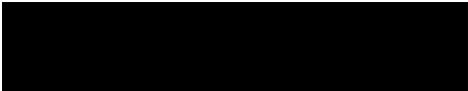
The results of this analysis (see attached) were completely negative. We had located a low grade limonite (Ferric chloride) deposit.

After some deliberation it has been decided not to obtain mineral exploration rights for the iron-ore on this area. Although substantial tonnages are indicated, the grade is too low to be commercial.

Since we have no further interest in this area, we would appreciate refund of our deposit.

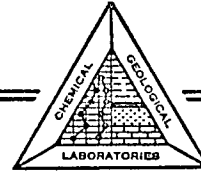
Our delay in advising your office of our intentions on this area is regretted, and it is our hope that we have caused no inconvenience. We had informed Mr. Seaton by telephone some weeks ago of our intentions but some delay was caused by our consideration of whether or not to obtain a quartz mineral exploration permit and examine the economics of the iron ore. We have abandoned this idea because of the limited markets and low grade of the deposit.

Yours truly,


for: Vos and Associates.

CHEMICAL & GEOLOGICAL LABORATORIES LTD.

14240-115 AVENUE, EDMONTON, ALBERTA



Date Reported: August 29, 1968

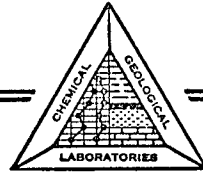
Laboratory Report Number: E68-7559

VOS & ASSOCIATES

Kind of Sample: Ore

Date Received: August 15, 1968

<u>LABORATORY NUMBER</u>	<u>SAMPLE NUMBER</u>	<u>SULFUR (% by Weight)</u>	<u>GYP SUM (% by Weight)</u>
E68-7559-1	1	0.09	0.89
E68-7559-2	2	0.11	0.21
E68-7559-3	3	0.05	0.64
E68-7559-4	4	0.02	0.31



Date Reported: September 4, 1968

Laboratory Report Number: E68-7559-4

VOS & ASSOCIATES

KIND OF SAMPLE: Ore

Date Received: August 15, 1968

LABORATORY
NUMBER

IDENTIFICATION

IRON
% BY WEIGHT

E68-7559-4

#4

25.47

19690062

SULPHUR PROSPECTING PERMIT No. 84

DIRK VOS and VERNON ESTABROOK
% DIRK VOS TRANSPORT LTD.,
P.O. BOX 548,
PEACE RIVER, ALBERTA.

DATE OF ISSUE - JANUARY 11, 1968
AREA - 19,840 ACRES.

TP. 88

TP. 87

84c/11

TP. 86

R. 21

R. 20

R. 19 W. 5 M.