

MAR 19680146: NORTHERN ALBERTA

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19680146

REPORT ON FIELD EXAMINATION

GEORGE LONN

SULPHUR PERMITS NOS. 179 AND 180

NORTHERN ALBERTA

THIS REPORT HAS BEEN PREPARED
FOR THE EXCLUSIVE USE OF:

George Lonn

COPY NO:..... 3

EARNSCLOUGH

LINEN BOND

40% FIBRE CONTENT - CANADA



ECONOMIC MINERALS

FILE REPORT No.

S-AF-179(1)
S-AF-180(1)

REPORT ON FIELD EXAMINATION

GEORGE LONN

SULPHUR PERMITS NOS. 179 AND 180

NORTHERN ALBERTA

Prepared For

George Lonn

November, 1968

J. C. SPROULE AND ASSOCIATES LTD.

OIL AND GAS ENGINEERING AND GEOLOGICAL CONSULTANTS

REPORT ON FIELD EXAMINATION

GEORGE LONN

SULPHUR PERMITS NOS. 179 AND 180

NORTHERN ALBERTA

The field work on these Permits has been carried out at the request of Mr. George Lonn. The request made was for as abbreviated a field operation as is practical so long as the sulphur prospects are adequately checked.

The field work was conducted by U. Mayr. The sample locations representing surface samples from Permits Nos. 179 and 180 are given on the accompanying Figure 1 and the related analyses by Chemical and Geological Laboratories Ltd. constitute Appendix I attached hereto.


With reference to these results, it will be observed that one of the samples (179-2) from Permit No. 179 analyzed 20.84 percent sulphur, and the other (179-1) only a trace of sulphur. The material penetrated was muskeg and this is normally high in sulphur in lake or depressional areas where sulphur is known. Although one good value was obtained, the muskeg areas in this Permit are very small and hence are unlikely to contain occurrences of native sulphur in sufficient quantities to justify further exploratory activity.


Four samples were taken from Sulphur Permit No. 180 and these also consist of muskeg debris. Analyses of these samples varied from trace to 33.93 percent sulphur content. In view of the general positive nature of these results and since Permit No. 180 is well endowed with large muskeg areas, additional exploratory activity is warranted. In order to fulfill this phase of exploration, it is suggested that the southern two-thirds of the Permit be retained for the time being. The area recommended for retention is shown on the attached Figure 1.

Under the circumstances, we recommend that Sulphur Prospecting Permit No. 179 be abandoned and that the return of the deposit be requested.

Sulphur Prospecting Permit No. 180 should be retained in part, as above described, and some effort should be made to initiate, or at least activate, additional exploratory activity on this Permit, if not personally, then by another party.

We will be pleased to submit an estimate of the cost of conducting an adequate exploration sampling program over the area recommended for retention at such time as a complete analysis of costs and performance of the past season's operations have been completed.

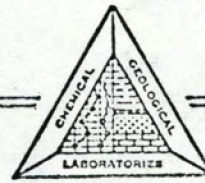

H.B. Lyall, P. Geol.


J.C. Sproule, P. Geol.

1009 Fourth Avenue S.W.,
Calgary 2, Alberta.
November 14, 1968.
HBL:JCS:ldl

CHEMICAL & GEOLOGICAL LABORATORIES LTD.

14240-115 AVENUE, EDMONTON, ALBERTA



Date Reported: October 11, 1968

Laboratory Report Number: C68-4157

J. C. SPROULE & ASSOCIATES LTD.

Kind of Sample: Soil

Date Received: October 3, 1968

<u>SAMPLE NUMBER</u>	<u>DEPTH IN FEET</u>	<u>ELEMENTAL SULFUR</u>	
		<u>(% by Weight on Dry Sample)</u>	<u>(% by Weight on Wet Sample)</u>
179-1	-	Trace	Trace
179-2	-	20.84	5.03
180-1	-	33.93	8.02
180-2	-	8.77	2.01
180-3	-	Trace	Trace
180-4	-	11.37	2.87

SULPHUR PROSPECTING PERMIT No. 179

GEORGE LONN,
██████████,
TORONTO, ONTARIO

DATE OF ISSUE - FEBRUARY 27, 1968
AREA - 19,840 ACRES

R. 12

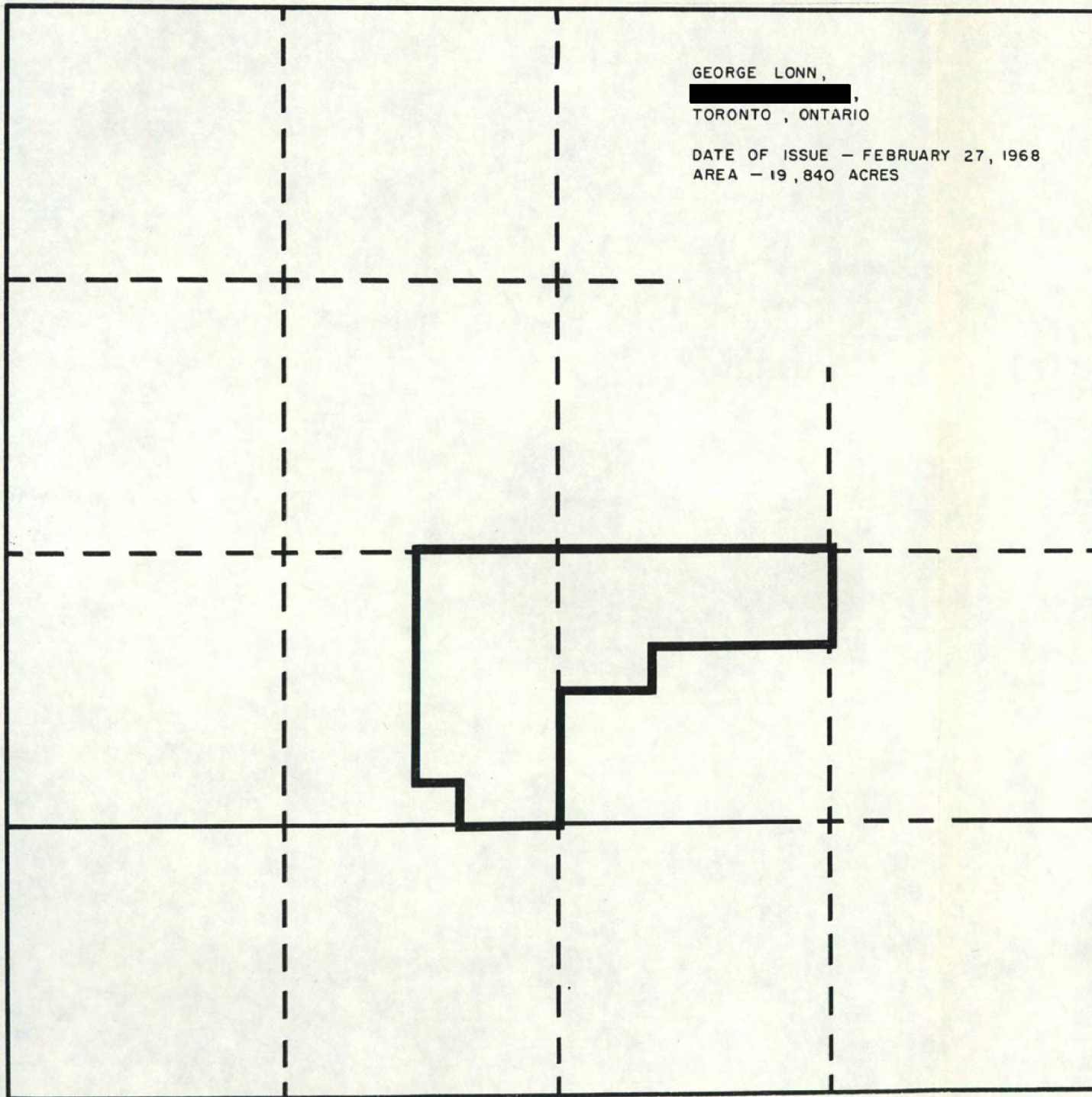
R. 11

R. 10 W. 5 M.

TP. 101

84 G/
12+13
NW

TP. 100



SULPHUR PROSPECTING PERMIT No. 180

GEORGE MAXWELL PEACOCK,

EDMONTON, ALBERTA.

DATE OF ISSUE — FEBRUARY 27, 1968

AREA — 19,840 ACRES.

84K/1

SE

TP. 106

TP. 105

R. 13

R. 12 W. 5 M

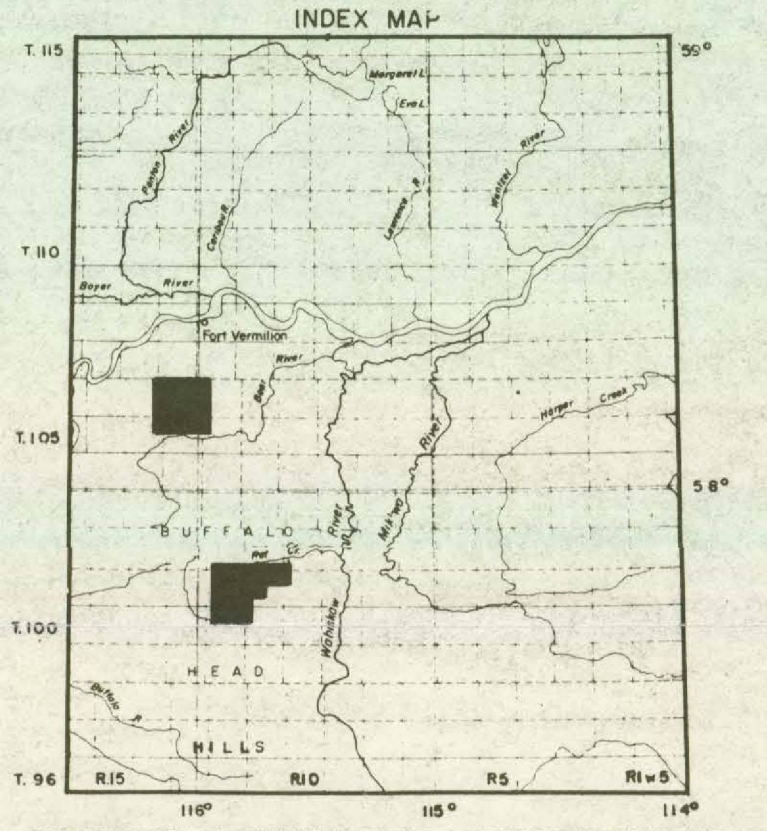
R.13 W.5

116°00'

T. 106

58° 10'

T. 105



LEGEND

- SURFICIAL DEPOSITS**
- Muskeg
- PHOTOLOGICAL SYMBOLS**
- Scarp
- Alignment interpreted to indicate faulting or fracturing in bedrock
- Alignment of probable geological significance
- Slump
- AREA 1, 2 etc.
- Sulphur prospecting permit outline
- Sample Location
- Outline of area recommended for retention

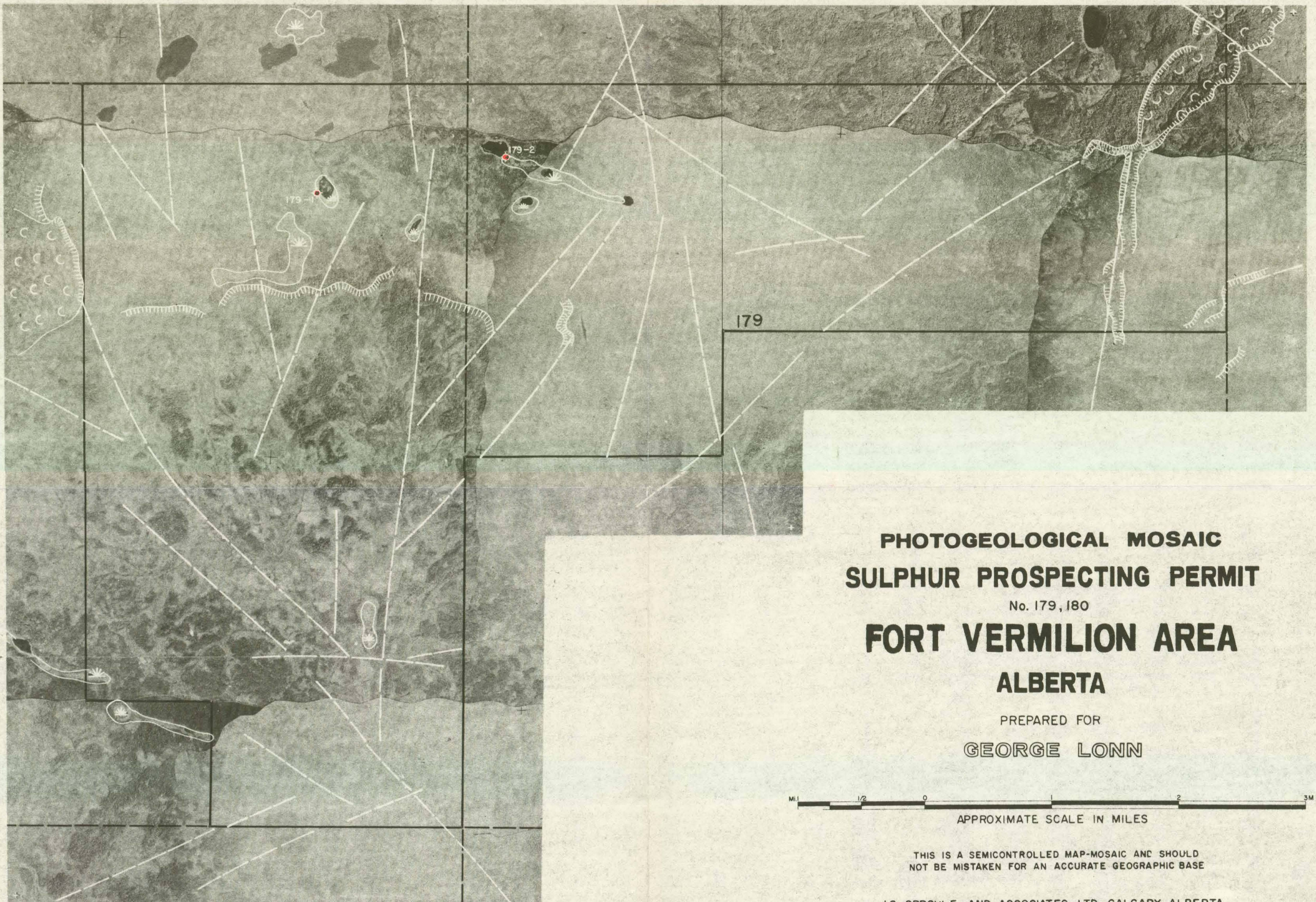
R. 12

115° 45'

R. 11 W.5

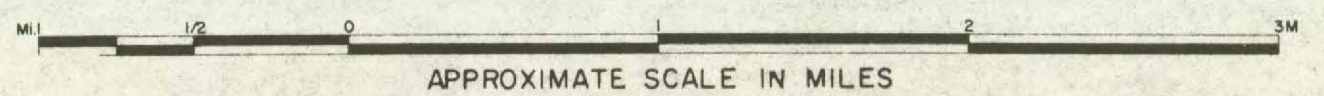
T. 101

57° 45'



PHOTOLOGICAL MOSAIC
SULPHUR PROSPECTING PERMIT
 No. 179, 180
FORT VERMILION AREA
ALBERTA

PREPARED FOR
GEORGE LONN



THIS IS A SEMICONTROLLED MAP-MOSAIC AND SHOULD NOT BE MISTAKEN FOR AN ACCURATE GEOGRAPHIC BASE

J.C. SPOULE AND ASSOCIATES LTD. CALGARY, ALBERTA

NOVEMBER 1968

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 Figure 1