

Permits Nos. 1042, 1043, 1049, 1050, 1138 and 1139

ARROWHEAD PROJECT

REPORT OF GEOPHYSICAL OPERATIONS

This report covers the geophysical operations of British American Oil Company Limited, operator for these permits which are jointly and equally owned by British American and Texaco, from the time of their purchase (December 3, 1956 for Permits Nos. 1042 and 1043; December 10, 1956 for Permits Nos. 1049 and 1050; April 29, 1957 for Permits Nos. 1138 and 1139) to the present.

British American Seismic Party No. 2 worked on these permits from January 2, 1958 through September 20, 1958. During this period 247 days were spent on actual seismic operations, with the remaining 15 days spent in preliminary bulldozing of trails and in moving the seismic crew's camp. The crew shot 500 miles of seismic control, which includes 22 miles of off-permit shooting (all within three-quarters of a mile of the permit boundaries) necessitated by adverse terrain conditions. Average crew strength during this period was 31 men.

An affidavit, which includes geophysical expenditures, will be found elsewhere in this report.

Attached are the following maps:

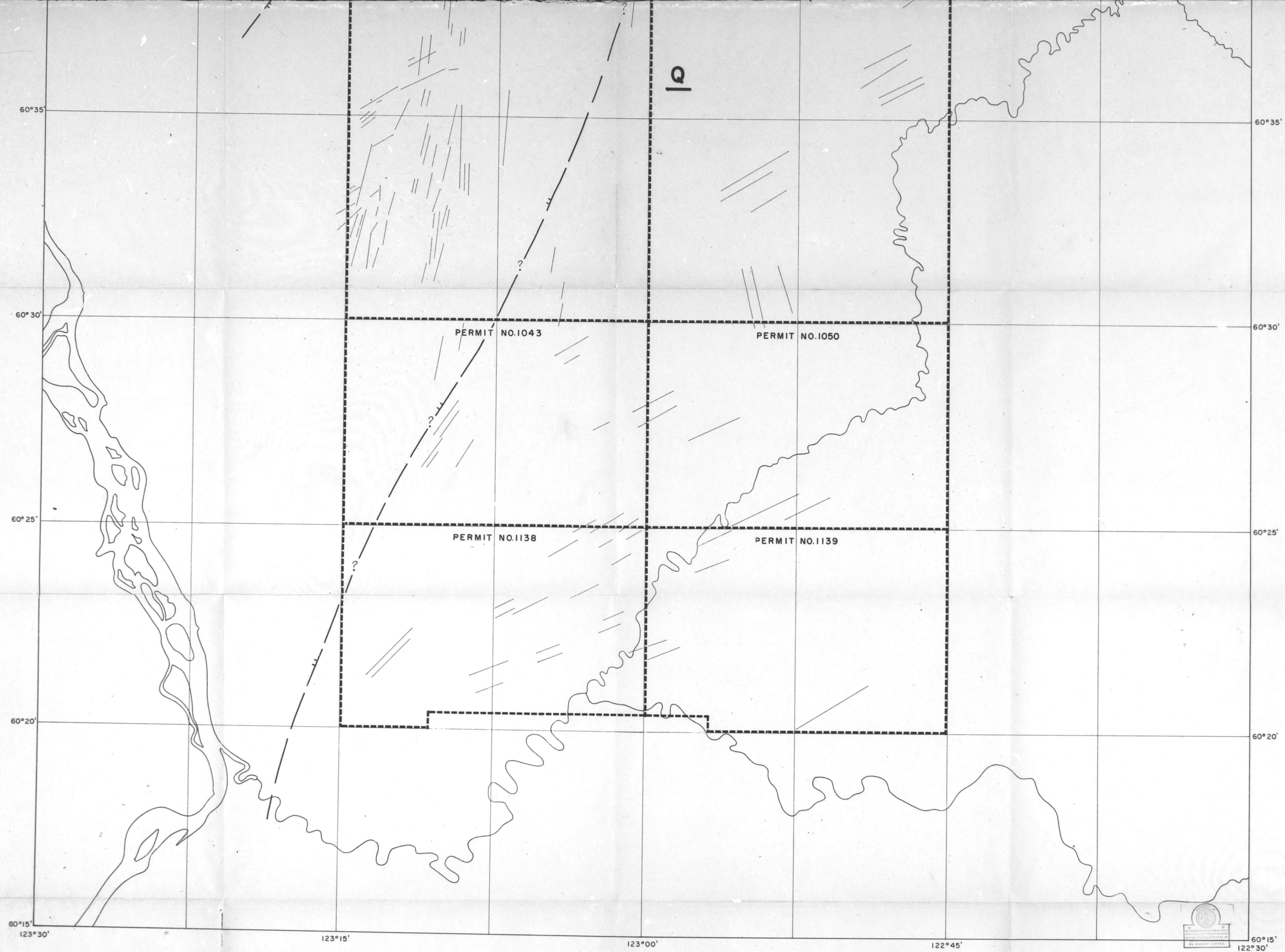
1. Shot Point Location and Elevation Map
2. Contours on Approximate Top of Slave Point. - Removed

RLW:H

Attachs: (2)

W. Blair
W. Blair





**ARROWHEAD PROJECT
NORTHWEST TERRITORIES
SURFACE GEOLOGY**
(SCALE) 1" = 1 MILE

KL - LOWER CRETACEOUS
FT. ST. JOHN GROUP - MARINE SHALE, SANDY SHALE, SANDSTONE

Q - QUATERNARY
ALLUVIUM, GLACIAL DEPOSITS

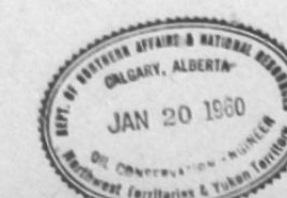
DRUMLINIDS, GLACIAL ALIGNMENTS
THE LARGER FEATURES TREND 60° TO 70° EAST OF NORTH
AND ARE COMPOSED OF TILL.

THE SMALLER RIDGES TREND ALMOST NORTH-SOUTH AND CARRY
A GREATER CONCENTRATION OF BOULDERS.

---?--- INFERRED CONTACT.

----- BOUNDARY OF PERMITS

EDMONTON - EXPLORATION
COMPLETED - DEC 30 / 59
BY - A. A. W.



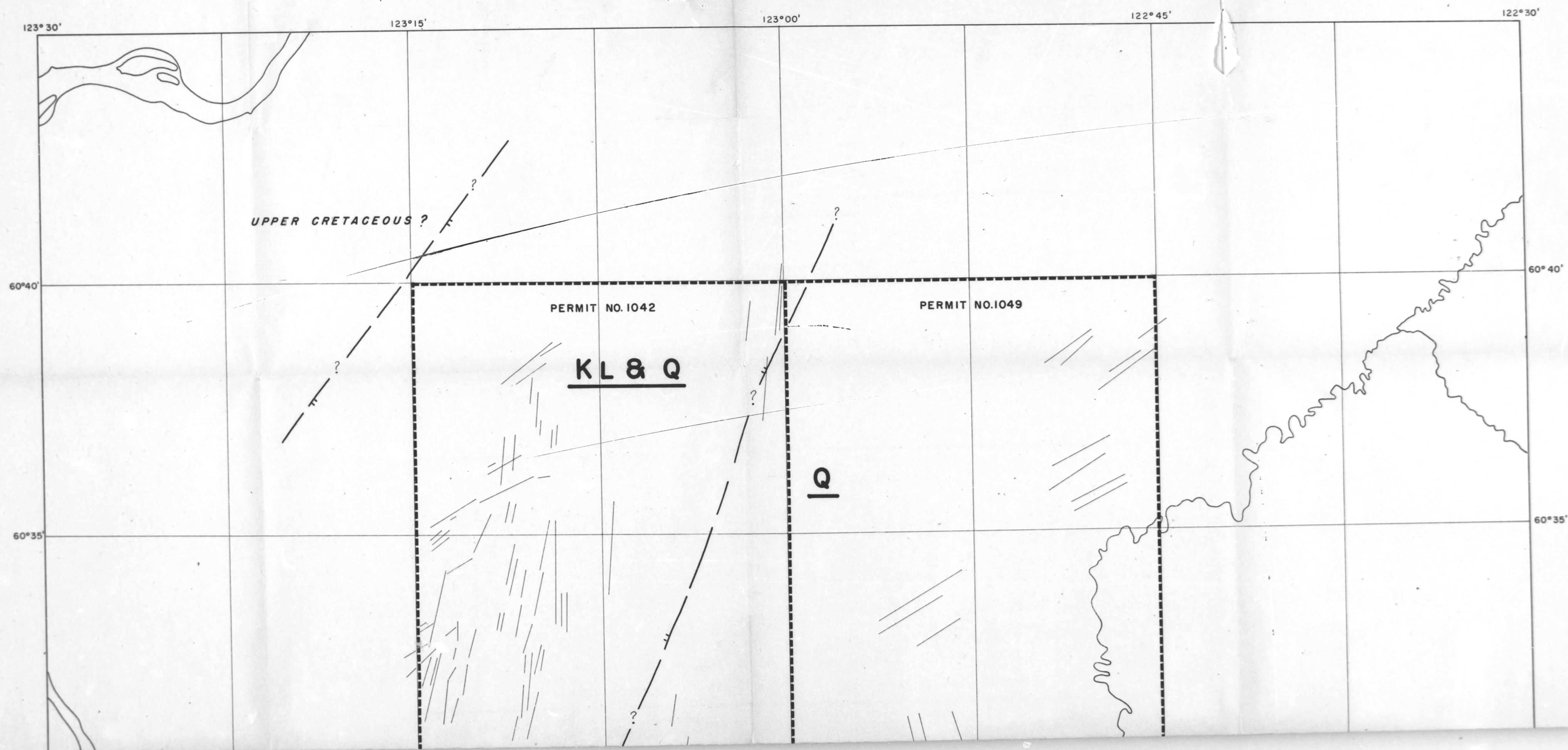
SPR 2440
To accompany letter dated January 18,
1960 from The British American Oil
Company Limited (Mr. S. S. Ross)
to Mr. A. S. Davidson.
Company letter 4/18/60

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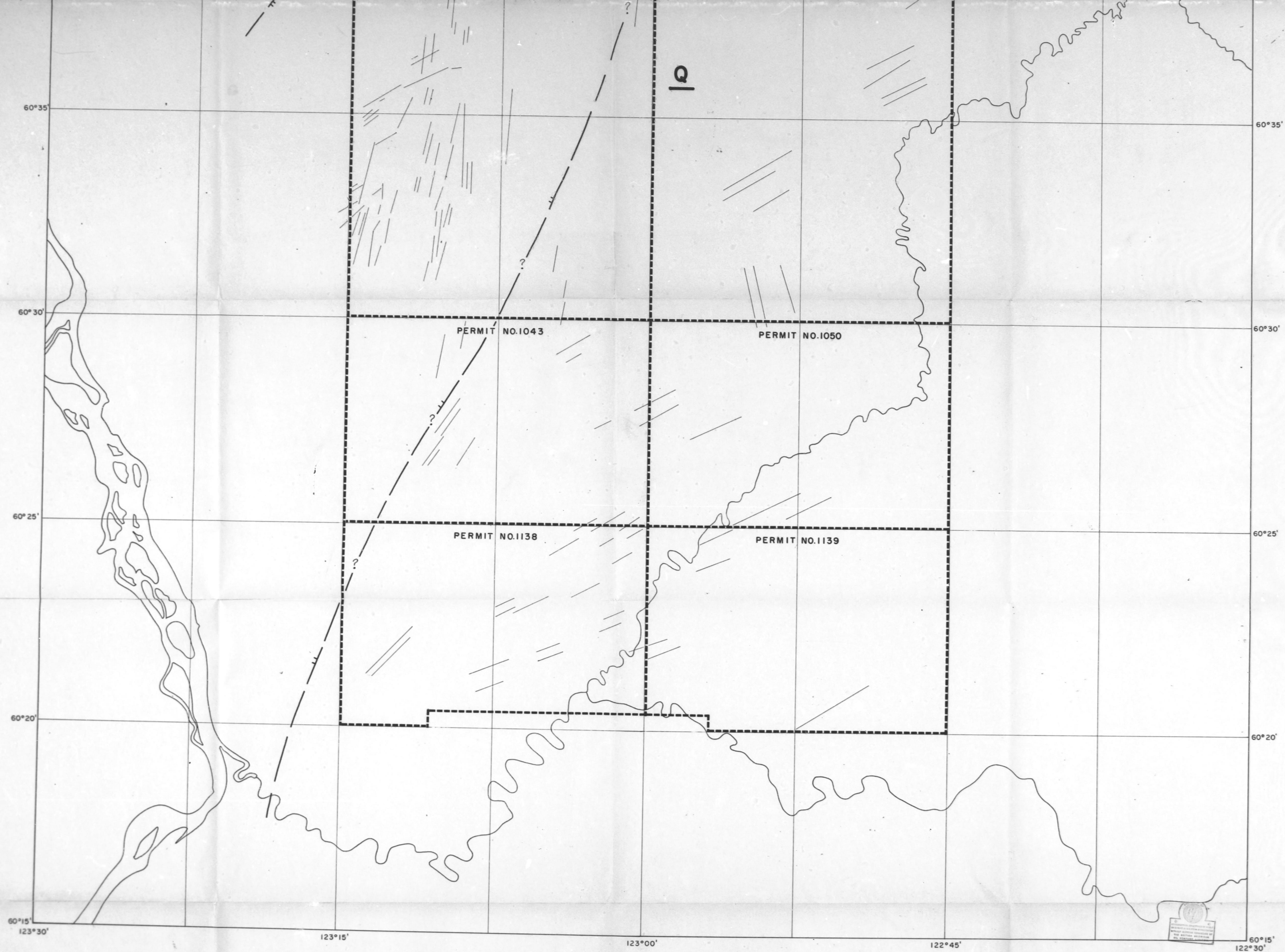
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West Canadian Graphic Industries Ltd.



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---?--- INFERRED CONTACT.

----- BOUNDARY OF PERMITS

EDMONTON - EXPLORATION
COMPLETED - DEC 30/59
BY - A.A.N.

To accompany letter dated January 15,
1960 from The British American Oil
Company Limited (B.A.O.) to Mr. A.
T. Davidson.

SPR 24-59-13

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West Canadian Graphic Industries Ltd.

