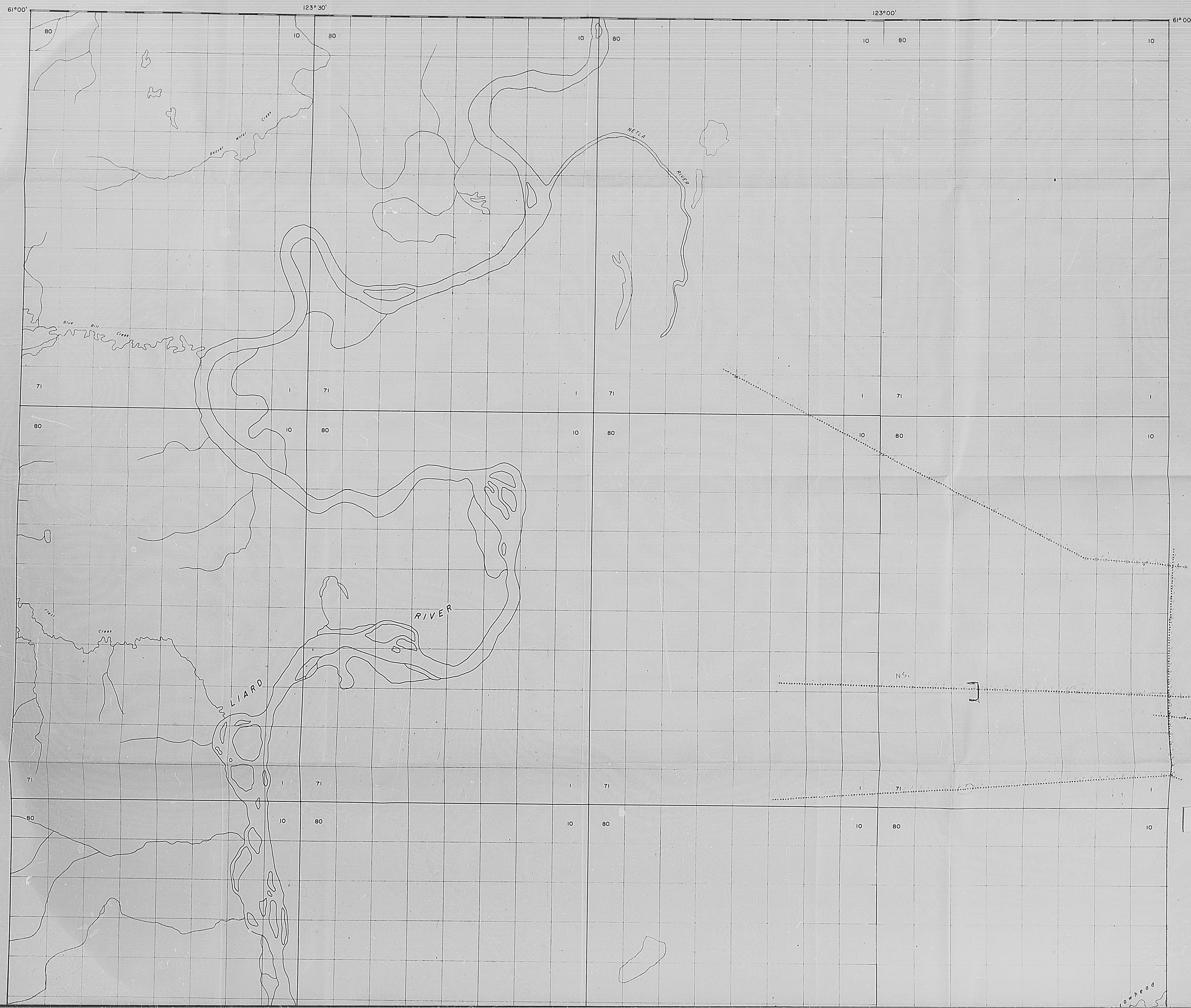
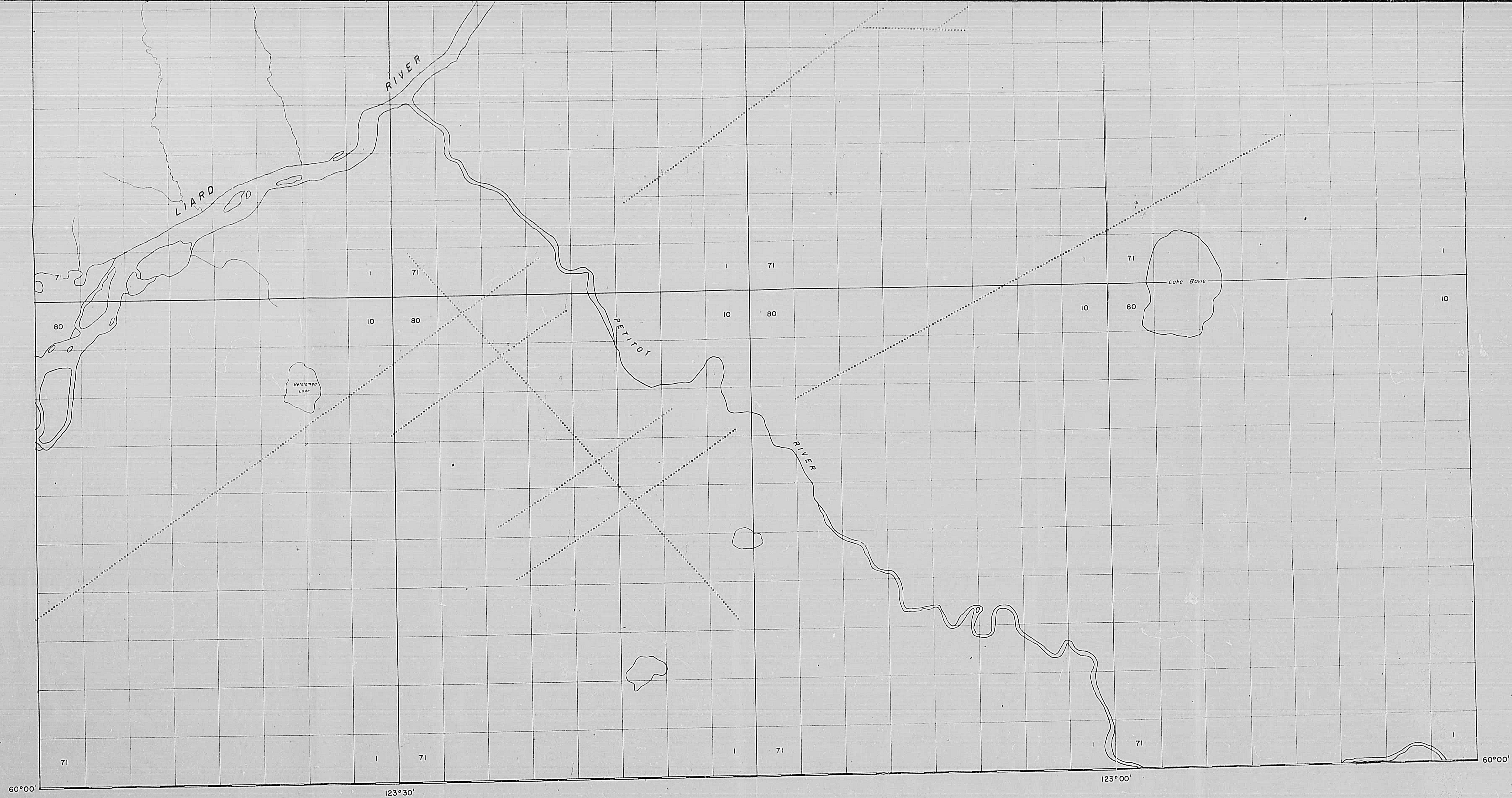






129



TEXACO EXPLORATION COMPANY
 CALGARY ALBERTA CANADA

PROJECT MAP

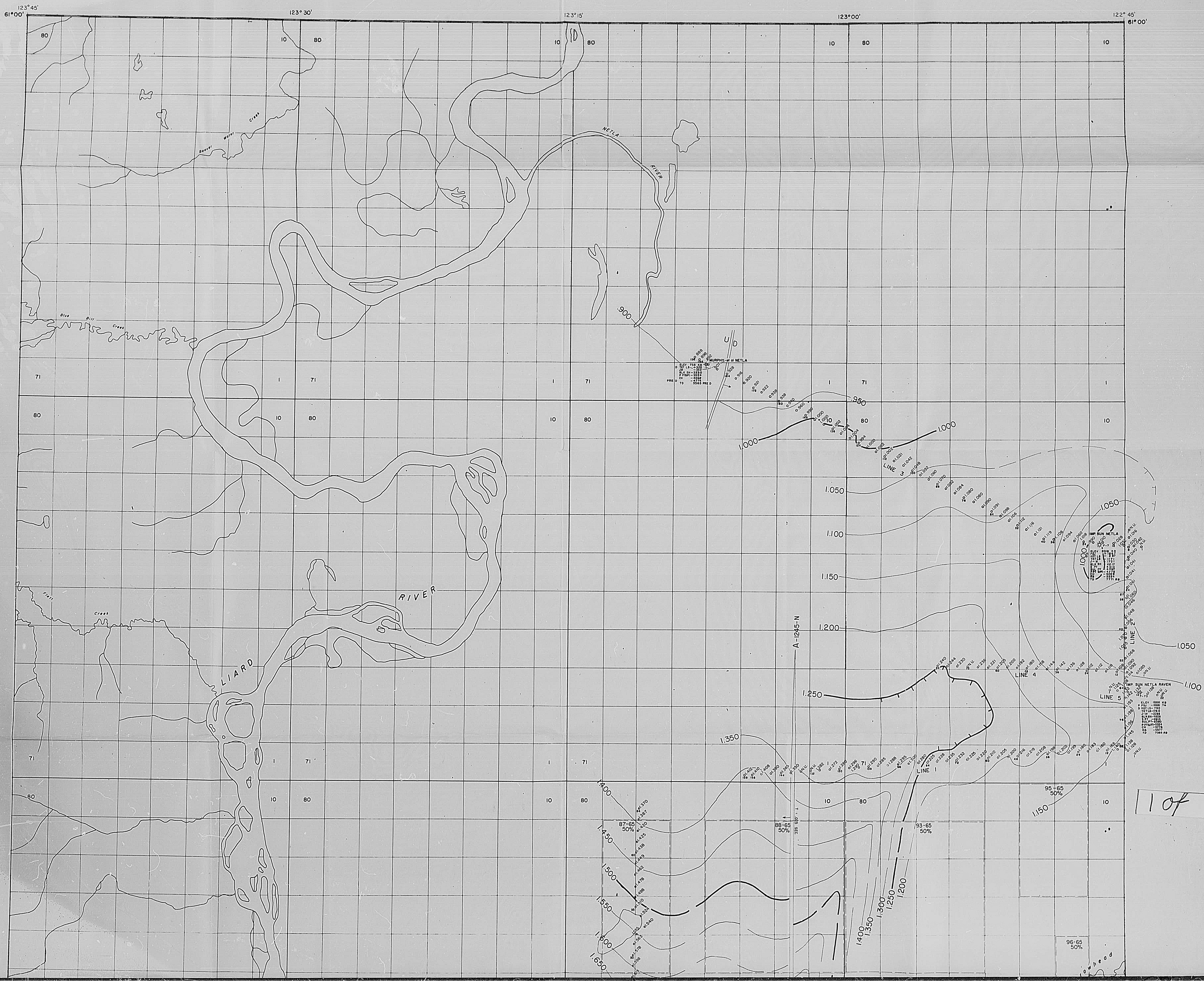
PETITOT RIVER PROJECT
 NORTH WEST TERRITORIES CANADA

*SHOTPOINT
 LOCATION
 MAP*

CONTOUR INTERVAL:
 SCALE: 1 IN. = 1 ML.
 DATUM: •
 DATE:

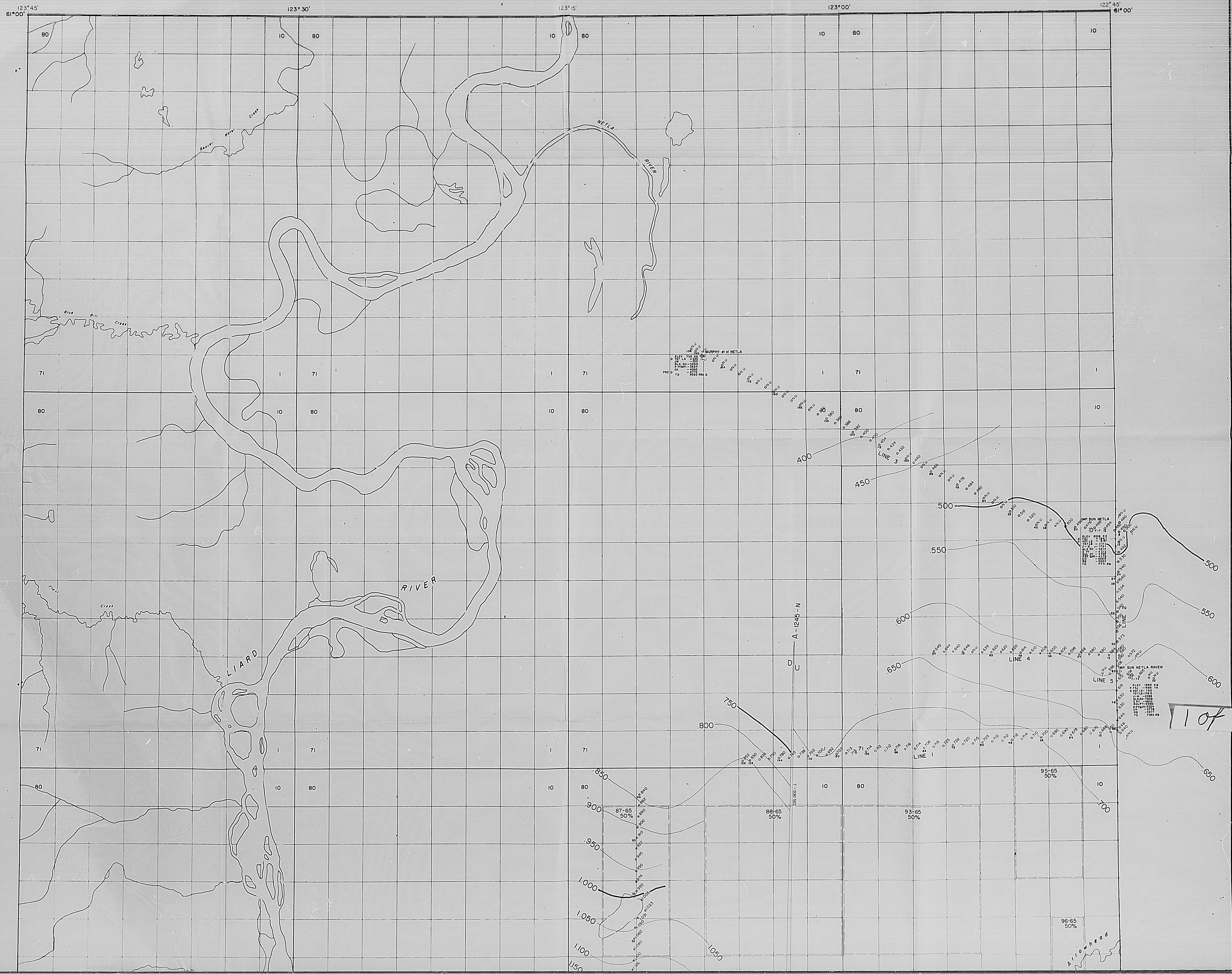
PARTY CHIEF
 SEISMIC PARTY NO.
 SUPERVISOR
 CO-ORD. GEOL.

39/3



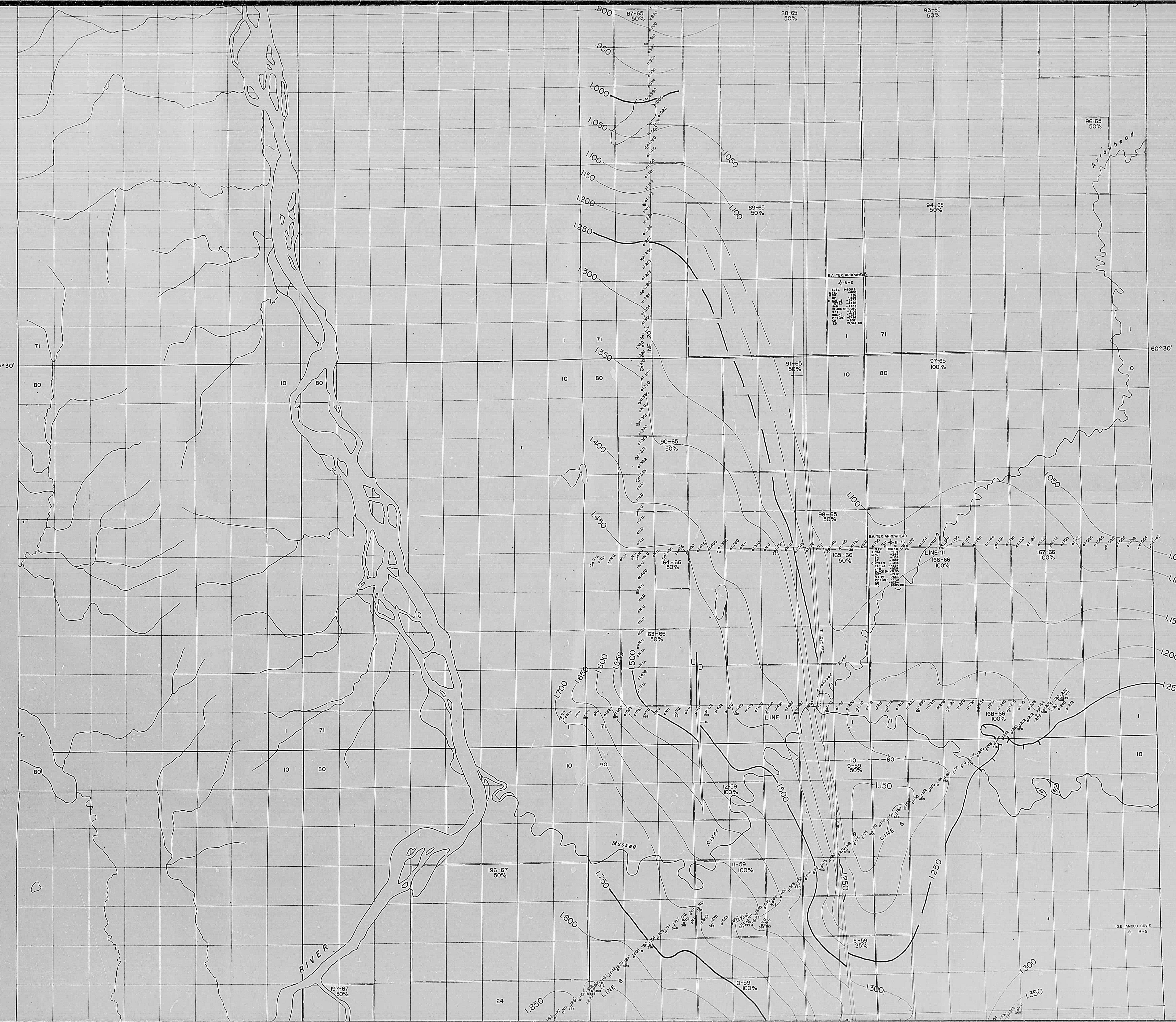


29

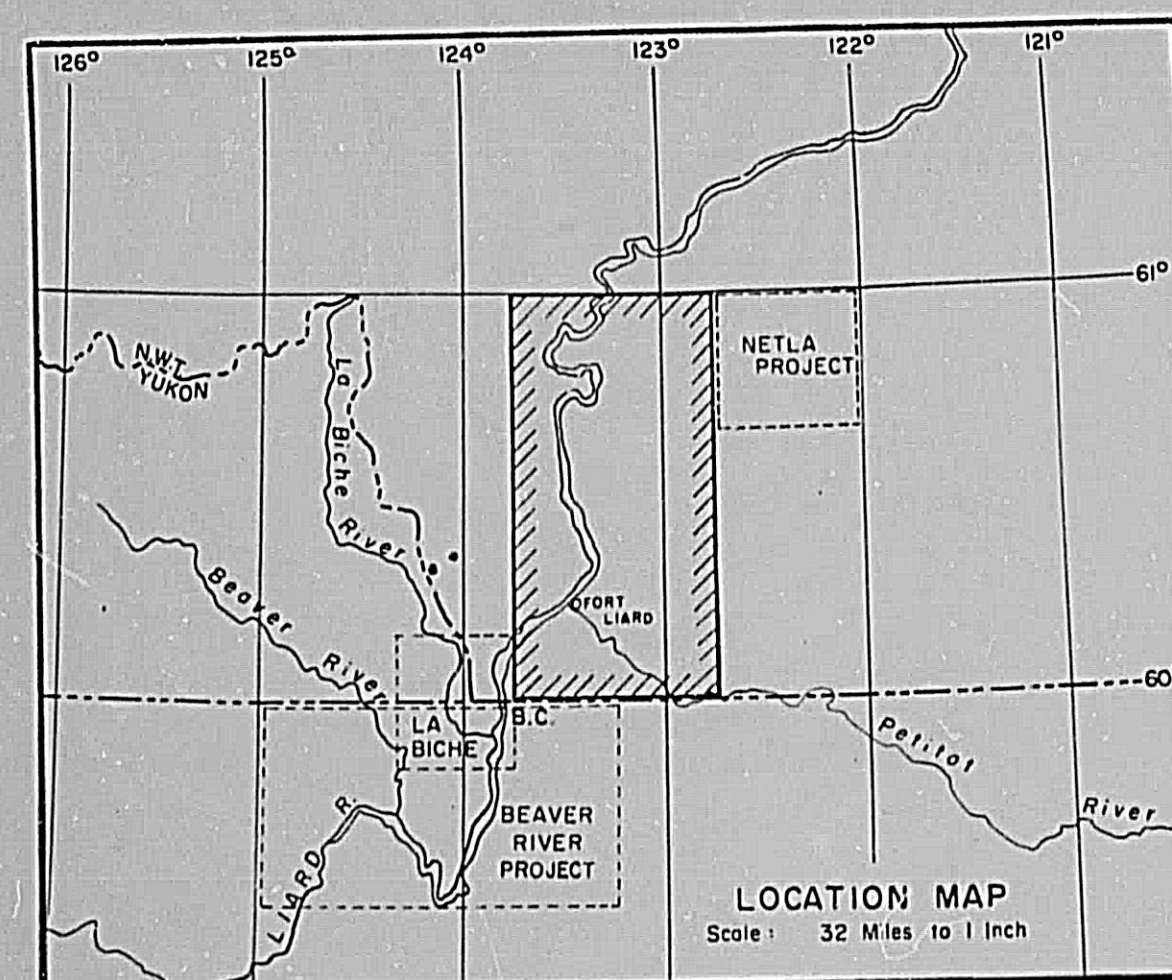


60°30'

60°30'



129



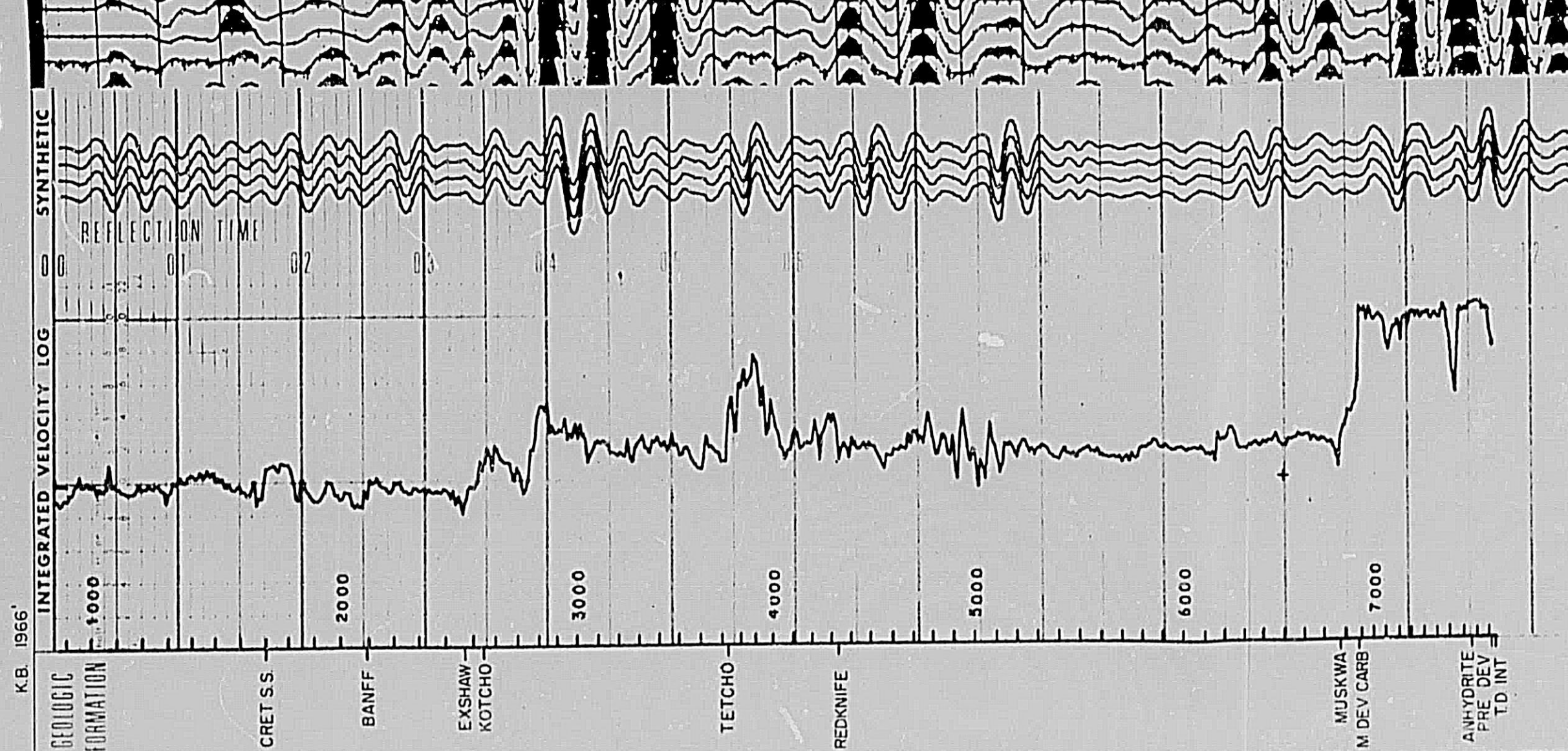
SYNTHETIC SEISMOGRAM

IMP SUN NETLA RAVEN F-73
F-73 60°50'N, 122°45'W

PETITOT RIVER
PFAJECT

6 CDP SECTION
LINE 5
SP 13

VERTICAL SCALE: 10 INCH/SEC
KB 1566



Geographic location - The Petitot River Project is located in the southwest corner of the Northwest Territories, approximately 100 miles north of Fort Nelson, B.C., and is bounded by 122°45' W. and 123°45' W. Longitude, 60°00' N. and 61°00' N. Latitude.

Geological location - The area is located east of the Liard Fold Belt; some surface structures have been mapped in this area. Several major faults trend N-S through this area. The Precambrian barrier reef complex, encountered to the southeast in British Columbia, extends into this area.

Geology - Most of the area is covered by glacial drift which overlies shales and sandstones. The basal Cretaceous contains oil-stained sandstones. The Cretaceous covers the Mississippian unconformably. The Upper Mississippian consists of the Flett formation, which outcrops in the Bovie-Maxhamish area along the Bovie Fault. In most of the area, the Flett formation has been eroded and Banff shales directly underlie the Cretaceous. The Mississippian overlies the Upper Devonian without apparent unconformity. The Upper Devonian consists of a series of shale and limestone units, including the Kotcho limestone near the top and the Tetcho limestone about 800 feet below the top of the Kotcho.

The Middle Devonian is developed entirely in a carbonate facies in the eastern part of the area (Presqu'île barrier reef); the reef front trends through this area; the upper part of the carbonate facies (Slave Point) changes into shale in the western off-reef basin.

Prospective zones - The main objective are Middle Devonian carbonate traps. They can occur as porosity developments along the reef edge or in structural traps. Other objectives are found in the carbonate in the Upper Devonian and Mississippian and in the Cretaceous sandstones.

Purpose - To define the reef edge and delineate structural trappings. The following horizon will be mapped:

1. Tetcho
2. Middle Devonian Carbonate

Time structure maps and an isochron map will be prepared for these horizons. Wherever possible, it will be attempted to map other horizons, e.g. Mississippian, Cretaceous and Pre-Devonian events.

LEGEND

- PREVIOUS PROJECTS
- PRESENT PROJECT
- PP POOR
- RP VERY POOR
- NU NOT USABLE AT MAPPED HORIZONS
- NR NO REFLECTIONS
- NS NOT SHOT
- (-2055) DEPTH PROJECTED
- (-2055) NEW OR REVISED DATA
- (-2055) PROPOSED TRAVERSE & SHOOTING SEQUENCE
- X- MIGRATING LINE & POSITION OF DEPTH POINT
- (MAX) APPROXIMATE OUTLINE MAXIMUM RESIDUAL GRAVITY ANOMALY
- (MIN) APPROXIMATE OUTLINE MINIMUM RESIDUAL GRAVITY ANOMALY

FAULT DESIGNATION

- A,B,C,ETC LOCATION
- 1 DISCONTINUITY
- 2 CORRELATION
- 3 DIFFRACTED OR SPURIOUS ENERGY
- 4 KNOWN
- 5 ABNORMAL DIP
- 6 TRAVERSE MISCLASURE
- 7 GEOLOGIC CONCEPT
- 8 NO RECORDS
- N NORMAL FAULT
- R REVERSE FAULT
- T-400' THROW
- 75° DIP OF FAULT
- 30° DIFFRACTED OR SPURIOUS ENERGY
- 3000

SCALE-MILES

TE 5214

DISTRIBUTION				CLASSES		FIELD PARTY MONTHS	
N.Y.	DE.	FILE	(DISTRICT)	1	2	3	4

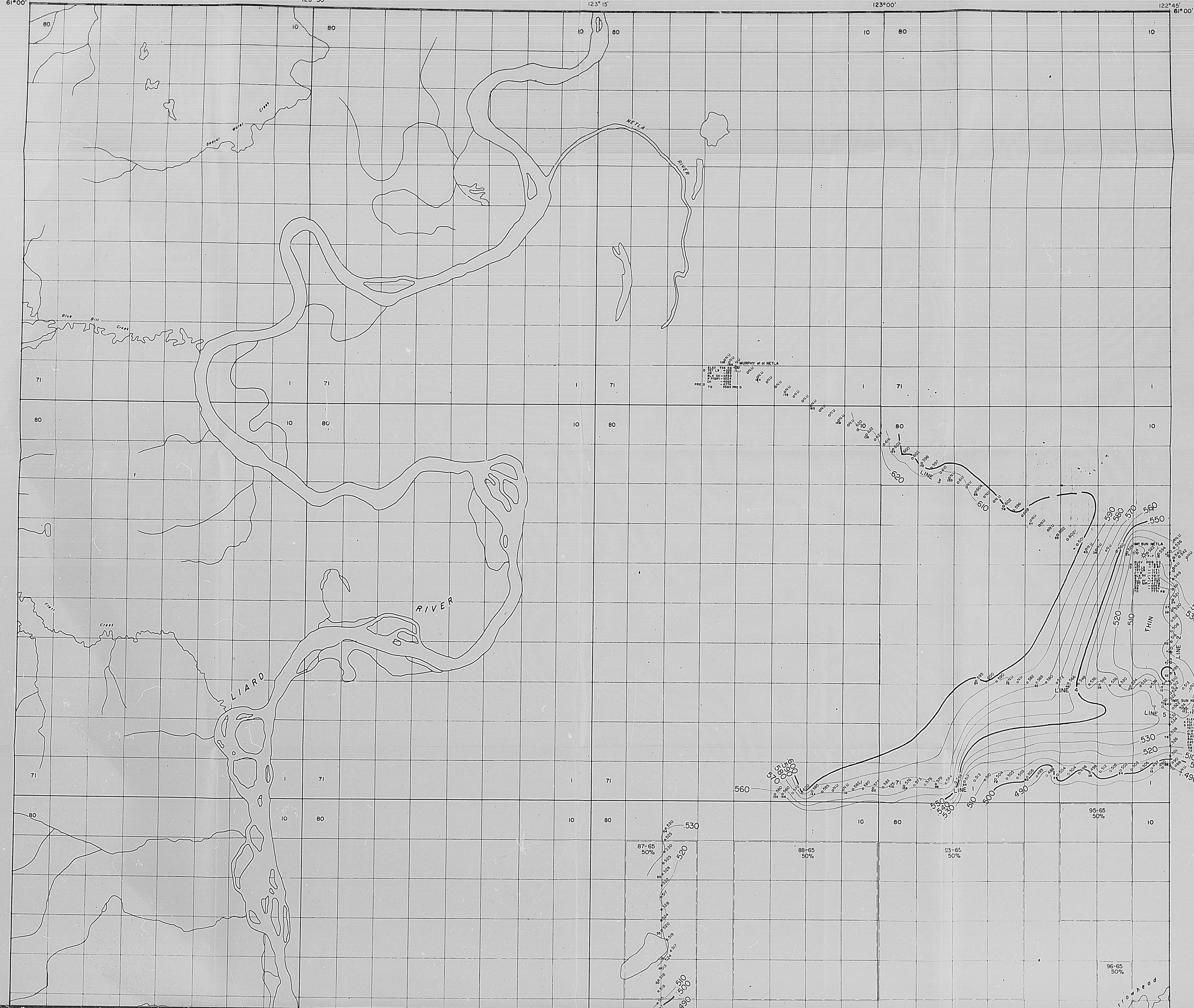
TEXACO EXPLORATION COMPANY
CALGARY ALBERTA CANADA

PROJECT MAP
PETITOT RIVER PROJECT
NORTH WEST TERRITORIES CANADA

TETCHO
30/3
CONTOUR INTERVAL: 050 SEC.
SCALE: 1 IN. = 1 ML.
DATUM: +1000 FT
DATE: FEBRUARY 18, 1970
Z. RUDOLF, INTERPRETATION
SEISMIC PARTY NO. 63
VE. SCHUT, DIST. GEOPH.
R. H. WESTRA, CO-ORD. GEOL.

GEOPHYSICAL SERVICES INC.

123°45' 61°00' 123°30' 123°15' 123°00' 122°45' 61°00'

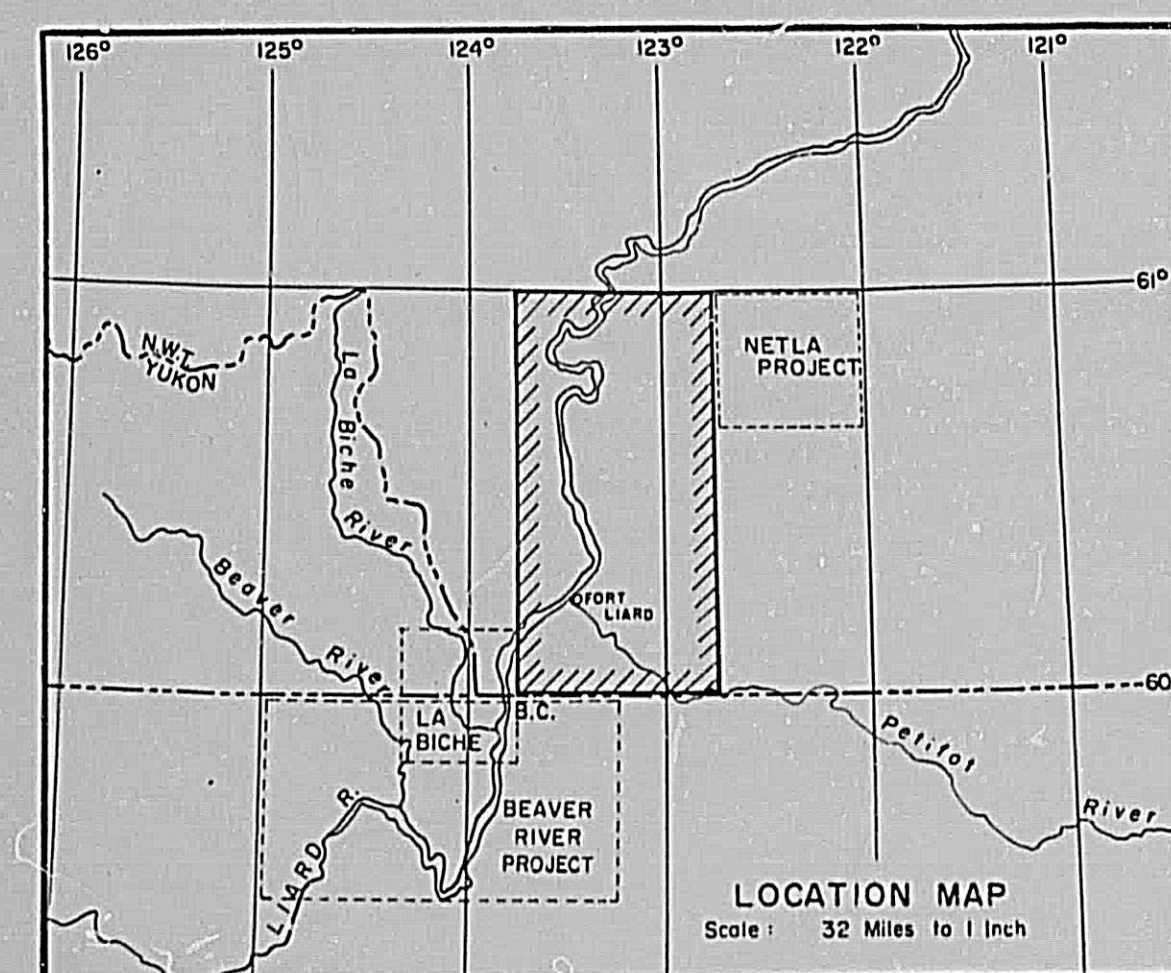
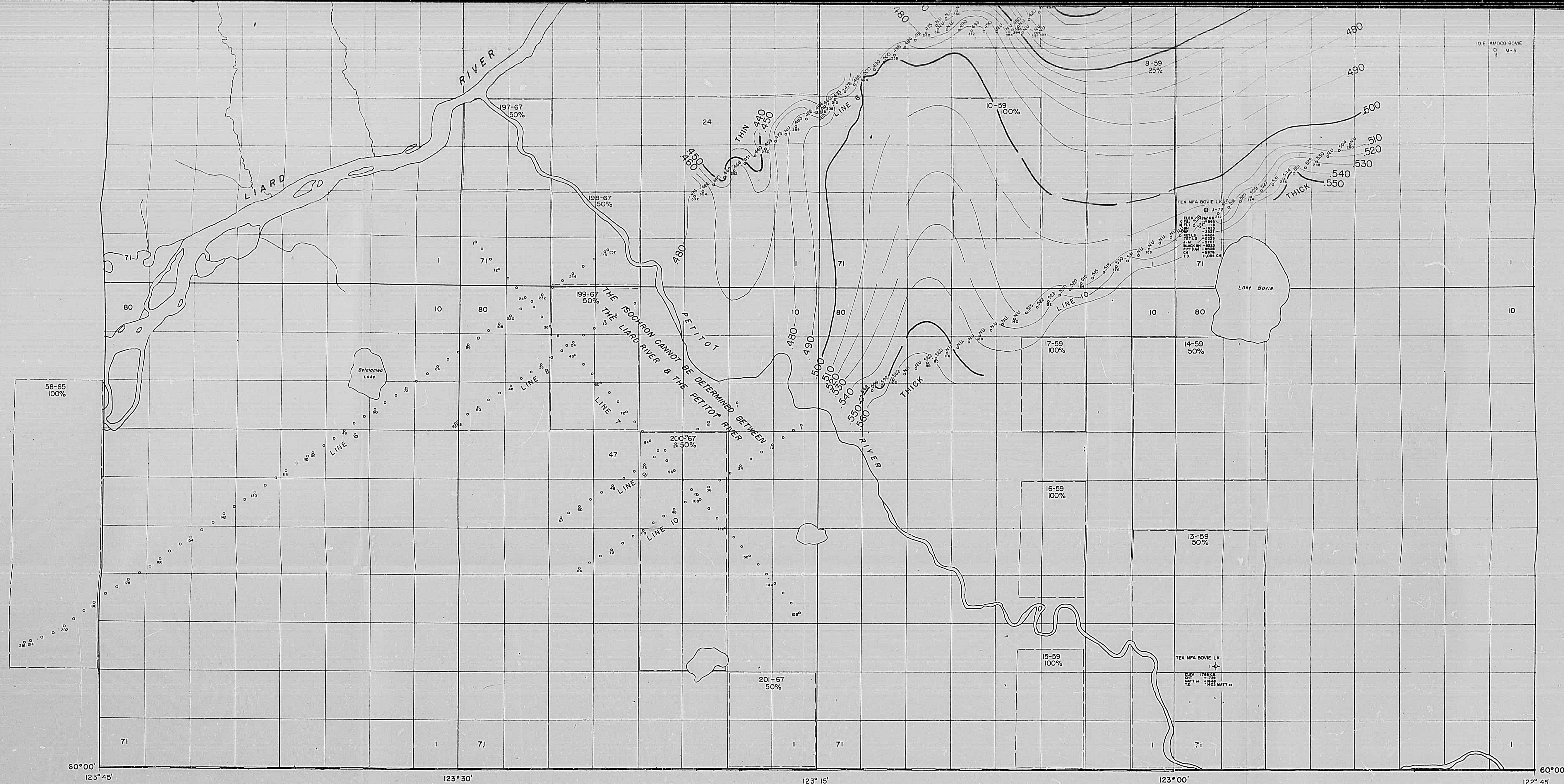


1104

Arrowhead



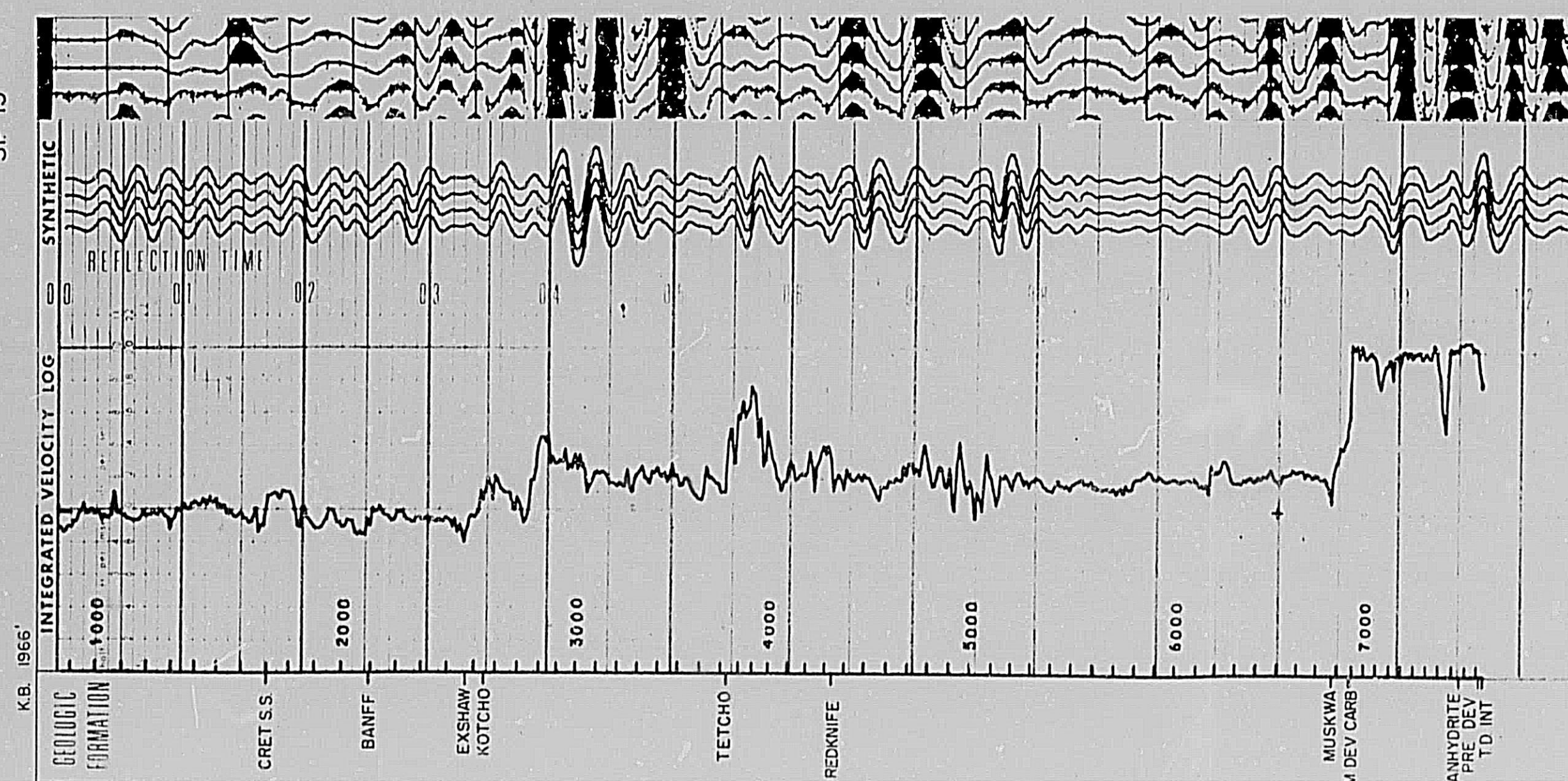
2 of



SYNTHETIC SEISMOGRAM

IMP SUN NETLA RAVEN F-73
F-73 950N, 12245W

PETITOT RIVER PROJECT
6 GGP SECTION
LINE 5
SP 13



Geographic Location - The Petitot River Project is located in the southwest corner of the Northwest Territories, approximately 100 miles north of Fort Nelson, B.C. and is bounded by 122°45'W. and 123°45' W. Longitude, 60°00' N. and 61°00' N. Latitude.

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- PRESENT PROJECT
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- RT VERY POOR
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- NF NO REFLECTIONS
- NS NOT SHOT
- (-255) DEPTH PROJECTED
- (-255) NEW OR REVISED DATA
- ① PROPOSED TRAVERSE A
- ② SHOOTING SEQUENCE
- X- MIGRATING LINE & POSITION OF DEPTH POINT
- (MAX) APPROXIMATE OUTLINE MAXIMUM RESIDUAL GRAVITY ANOMALY
- (MIN) APPROXIMATE OUTLINE MINIMUM RESIDUAL GRAVITY ANOMALY

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- A.B.C. ETC. LOCATION
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- 2 CORRELATION
- 3 DIFFRACTED OR SPURIOUS ENERGY
- 4 KNOWN
- 5 ABNORMAL DIP
- 6 TRAVERSE ENCLOSURE
- 7 GEOLOGIC CONCEPT
- 8 NO RECORDS
- 9 NORMAL FAULT
- 10 REVERSE FAULT
- 11 THROW
- 12 DIP OF FAULT
- 13 DIFFRACTED OR SPURIOUS ENERGY

SCALE-MILES

TE 5216

DISTRIBUTION				CLASSES				FIELD PARTY MONTHS	
N.Y.	DEN.	FILE	(DISTRICT)	1	2	3	4		

TEXACO EXPLORATION COMPANY
CALGARY ALBERTA CANADA

PROJECT MAP
PETITOT RIVER PROJECT
NORTH WEST TERRITORIES CANADA

ISOCHRON
TETCHO TO MID. DEV. CARBONATE

CONTOUR INTERVAL: 010 SEC.
SCALE: 1 IN. = 1 ML.
DATUM: V.F. SCHUT, DIST. GEOPH.
DATE: FEBRUARY 18, 1970 R.H. WESTRA, CO-ORD. GEOL.

GEOPHYSICAL SERVICES INC.