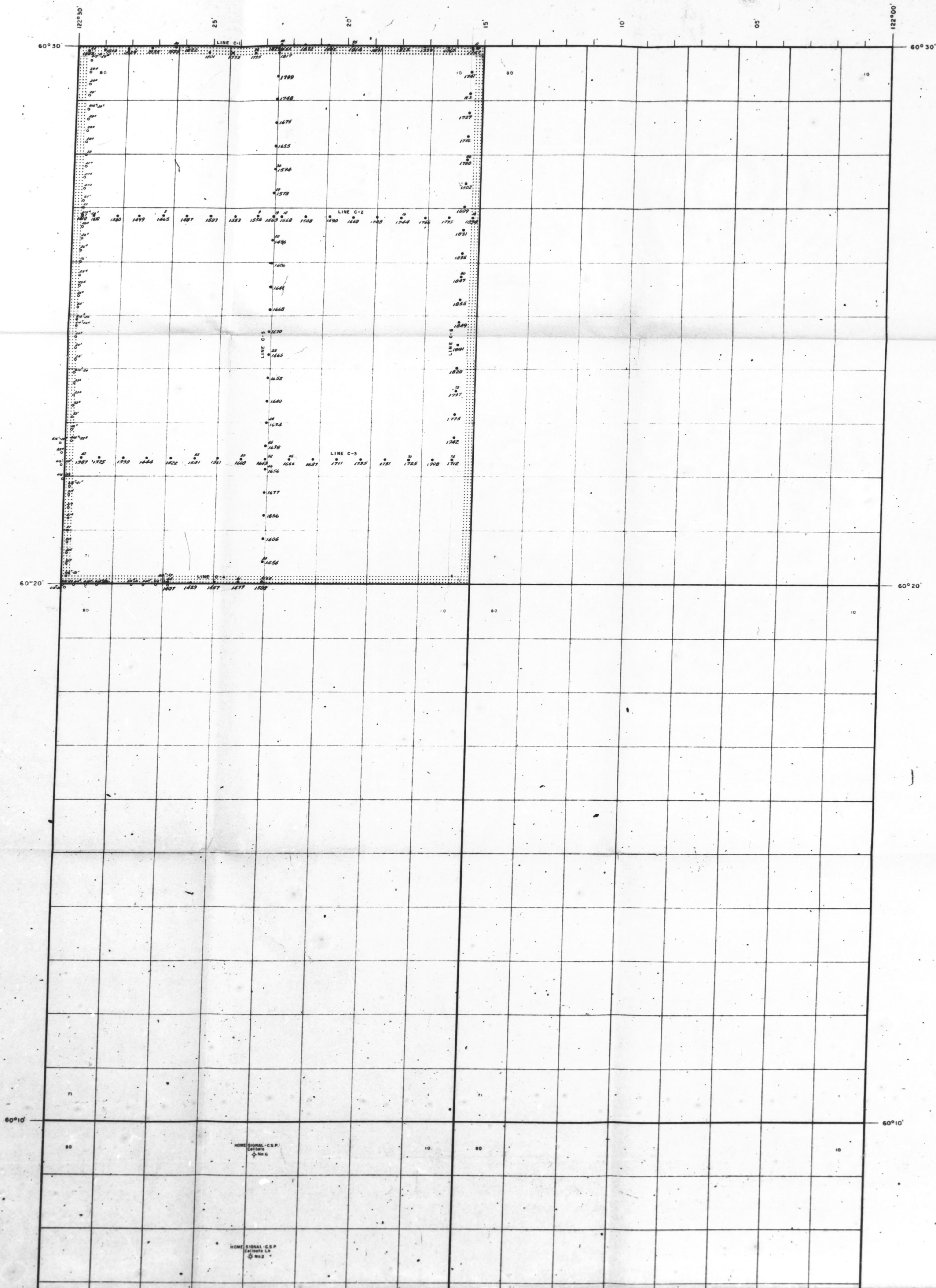




60°20'

1401 1421 1441 1461 1481 1501

60°10'

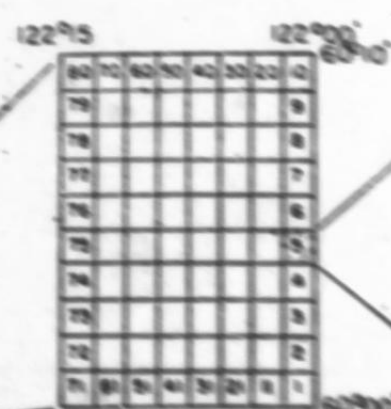
60°00'

122°30'

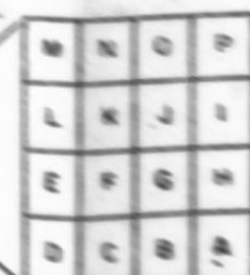
25'



N.T.S. Map 95-B-188 is divided into 6 Land Grids. Each is 10' N-S. and 15' E.-W. and is referenced from its N.E. corner i.e. Grid 60°10' 122°00'.



Grid 60°10' 122°00' shown subdivided into 80 Land Sections. Grids are subdivided north of 60°00' to 68°00'.



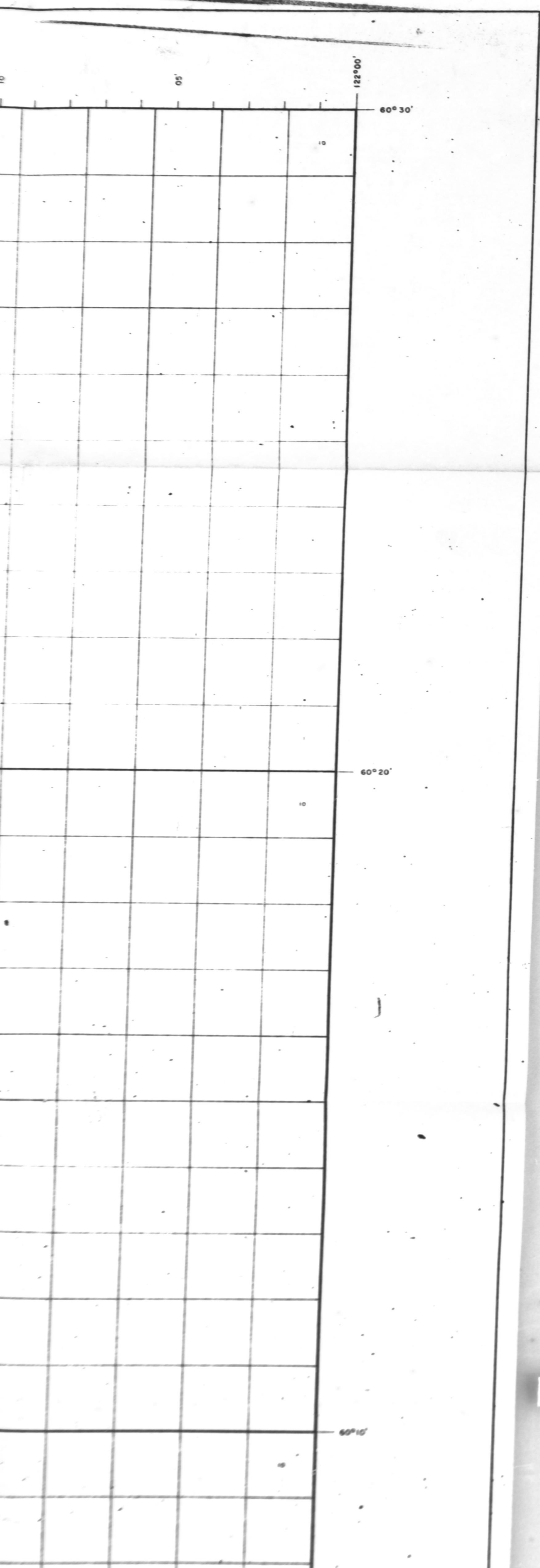
Section 9 Grid 60°10' 122°00' shown subdivided into 16 Land Units.

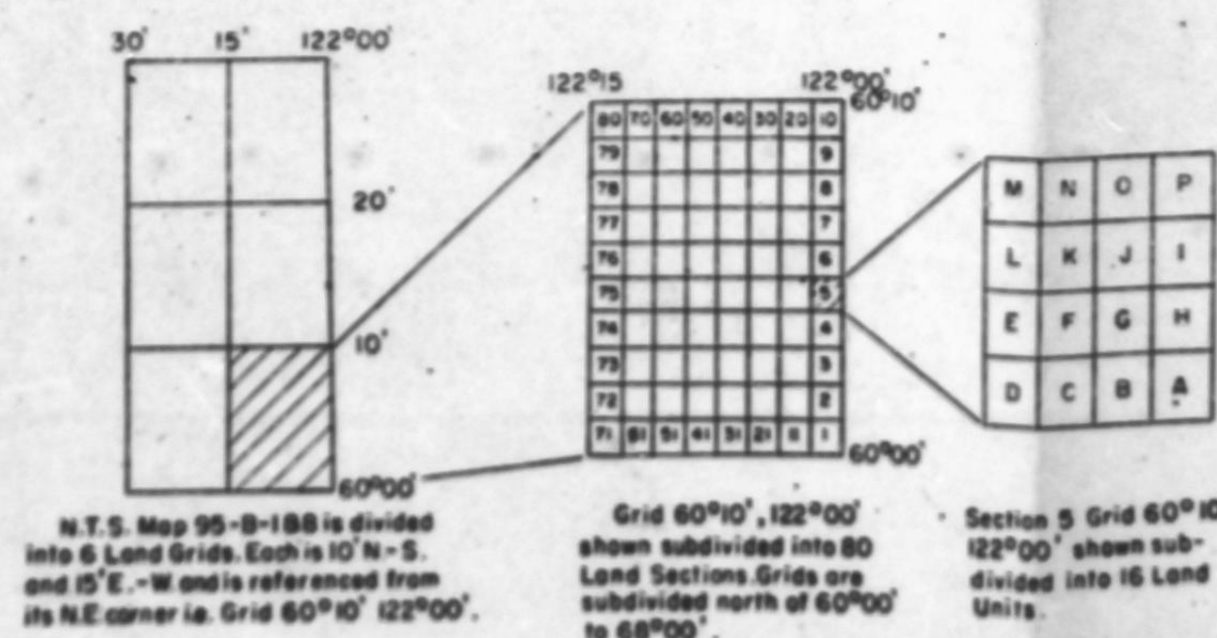
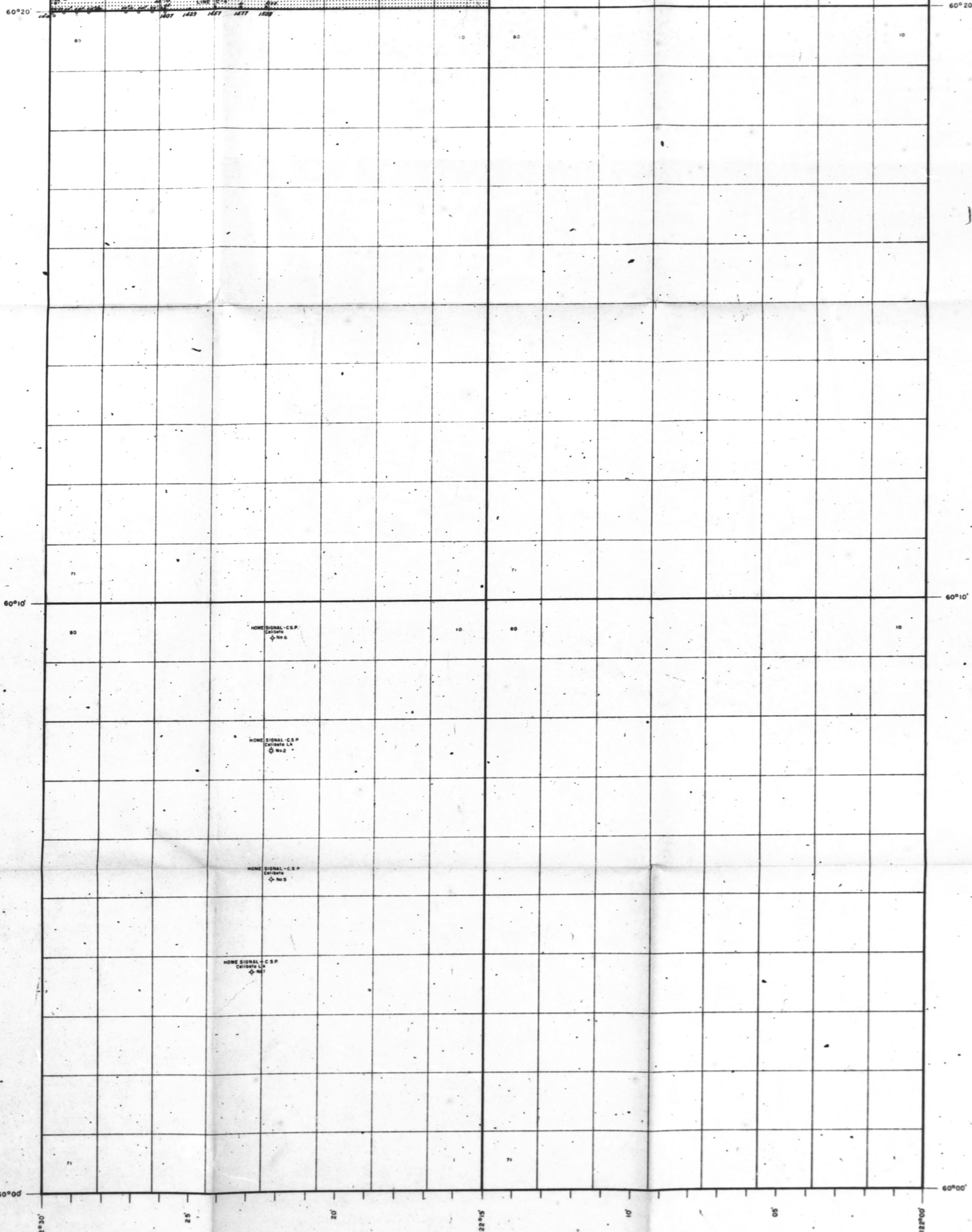
HOME SIGNAL - C
Calisto L
No 6

HOME SIGNAL - C
Calisto L
No 2

HOME SIGNAL - C
Calisto L
No 3

HOME SIGNAL - C S P
Calisto L
No 1





GEOPHYSICAL LEGEND

- Triad reflection shot point
- Others
- Refraction shot point
- Refraction detectors
- Refraction depth value
- NG No Good
- NV No Value
- NS Not Shot
- ND Not Drilled
- G Good
- F Fair
- P Poor
- VP Very Poor
- ? Questionable

WELL & LAND LEGEND

- Well location & Drilling well
- Suspended well
- Abandoned well
- Oil well
- Gas well
- Injection well (gas or water)
- Salt water disposal well
- Water well
- Triad acreage (Wholly owned)
- Triad acreage (Part interest)

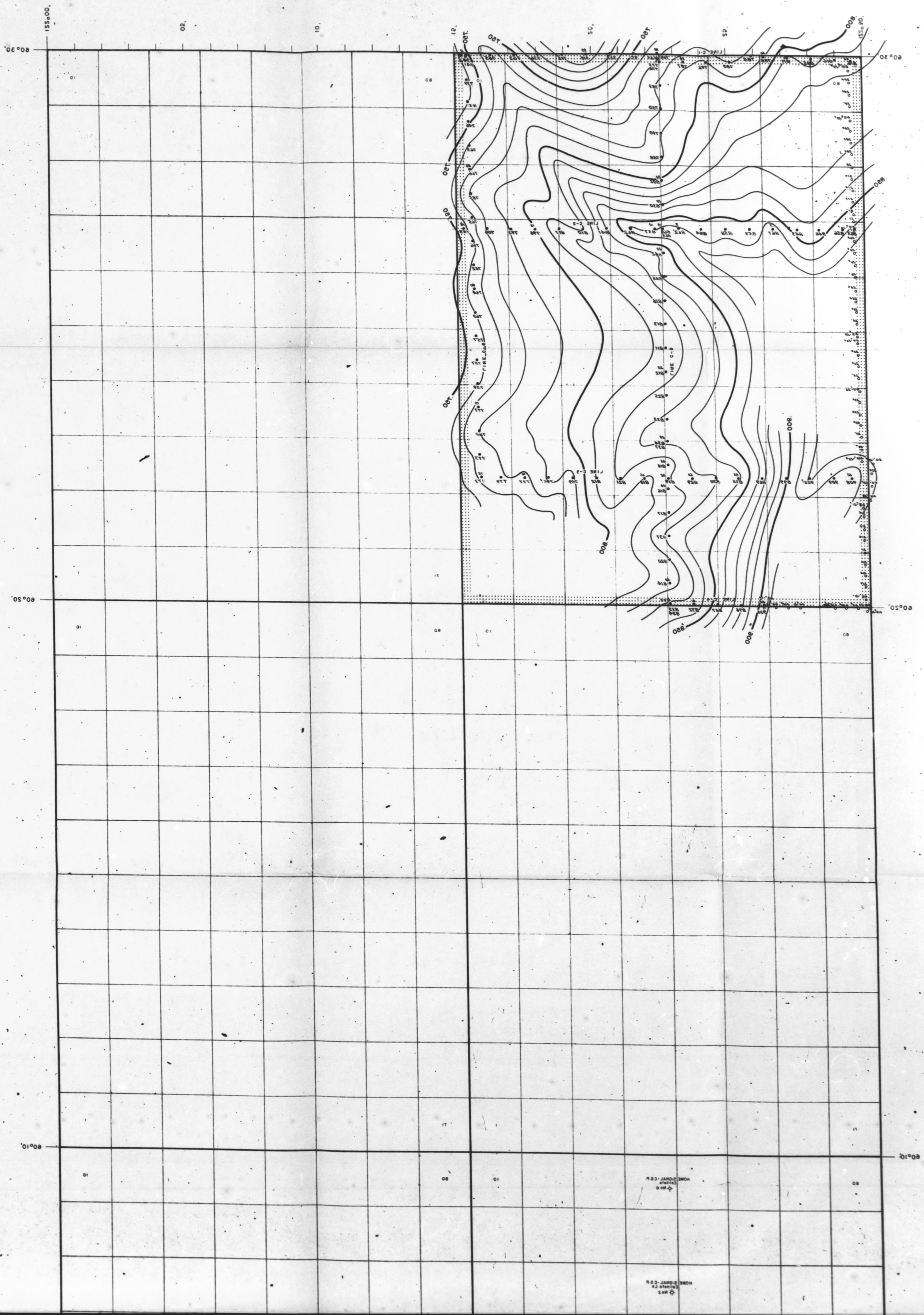
GEOLOGICAL LEGEND

- Anticlinal axis
- Synclinal axis
- Tear fault
- Thrust plane, Tick over displaced beds
- Normal fault, Tick on down thrown side
- Conjectural fault, or fault inaccurately located
- High, coloured red
- Low, coloured green
- Thin
- Thick

TRIAD OIL CO. LTD.

AREA:	Trout Lake, N.W.T.
HORIZON:	Topography
TYPE OF MAP:	Surface Elevations
ELEVATION DATUM:	Sea Level
CONTOUR INTERVAL:	
TOPOGRAPHIC DATUM:	
TOPOGRAPHIC CORRECTION VELOCITY:	
INTERPRETED BY:	A. D. Collins
SCALE: 1 inch = 1 mile	PARTY NO.
ENCLOSURE NO.	REPORT NO. S-2638
DATE: February 26, 1963	DWG. NO. GP 1710-1
MAP REFERENCE NO. 25-B-188	





Report

on

Reflection Seismograph Survey

of the

TROUT LAKE AREA

NORTHWEST TERRITORIES

Territorial Oil & Gas Permit No. 2695

Being the whole of Grid Area
designated by 60° 30', 122° 15'

for

Triad Oil Co. Ltd.,

during March 1962

Abstracted for
Geo-Science Data Index

Date _____



Author: Donald J. Walker

Triad Oil Co. Ltd.

Signed: February 28, 1963.

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Pages 1 and 2

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Appendix I - Operational Methods

Appendix II - Operational Statistics

Maps:

Enclosure 1 - Shot Hole Surface Elevation Map

Enclosure 2 - Upper Devonian in Time

Reflection seismic work employing the continuous profiling method was carried out during March, 1962 in Territorial Oil and Gas Permit No. 2695 by Century Geophysical Corporation of Canada for Triad Oil Co. Ltd.

The area covered is for the most part muskeg, with the exception of the deep creek valleys found in the northeast and south-east corners of the prospect.

The survey of both horizontal and vertical control was carried by theodolite, with the tie line on the west boundary of the area used for take-offs and ties. Also Polaris observations were taken at several locations within the area. All ties to former work were within acceptable limits.

The drilling conditions varied throughout the area but for the most part were quite good. The average hole log would be 0 - 10' muskeg, 10 - 40' clay and boulders with seams of gravel. The four drills proved adequate for these conditions and were able to average about four hundred feet per drill per ten-hour day. Three holes at 75' spacing were drilled at each shot point.

Recording instruments used included Century 501A amplifiers in conjunction with SR-5, magnetic tape recording apparatus. Shots were monitored on a $6\frac{1}{2}$ -1-120 filter position and on playback records a 32-1-66 filter was utilized. A gain setting of 63% was used on every record. Record quality throughout the area was generally good. With regard to

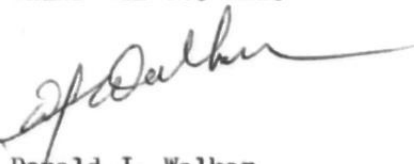
field procedure, a reel truck with cable squirter was employed for laying out the cables and this proved effective for good production. A 2640 ft spread, with 220 ft intervals, was used for the continuous shooting and the numerous inline refraction shots were taken at twice this distance for weathering control. Six single (EVS 2A) geophones per trace with 30 ft spacing were used.

A map showing the surface elevation of the center shot point at each location is presented as Enclosure 1.

The results of the survey are shown by Enclosure 2, which is a map of corrected reflection times contoured in ten millisecond intervals, and is believed to represent an Upper Devonian horizon. Data for this map are corrected to a datum of 1,600 ft above sea level using 6000 ft/sec velocity. There is no well information in the immediate area for a positive identification of this marker.

The survey was conducted within the boundary of the permit and shot point locations are represented by the closed circles.

TRIAD OIL CO. LTD.



Donald J. Walker
Professional Engineer

February 28, 1963.

APPENDIX I

Operational Methods - Century Geophysical Corporation of Canada

Type of shooting:	Continuous reflection profiling
Hole spacing:	2,640 feet (normal)
Instruments:	Century 501A amplifier with SR-5 magnetic tape recording
No. of channels:	24
Geophone station spacing:	220 feet
No. of geophones per trace:	6
Geophone spacing in groups:	30 feet
Shot hole depth:	40 feet (normal)
Dynamite charges:	1½ lbs per hole () normal 3 hole pattern ()
Operational difficulties:	Terrain and weather

field procedure, a reel truck with cable squirter was employed for laying out the cables and this proved effective for good production. A 2640 ft spread, with 220 ft intervals, was used for the continuous shooting and the numerous inline refraction shots were taken at twice this distance for weathering control. Six single (EVS 2A) geophones per trace with 30 ft spacing were used.

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APPENDIX II

Operational Statistics - Century Geophysical Corporation of Canada

Crew headquarters:	Trailer camp on prospect
Starting date:	March 7, 1962
Completion date:	March 22, 1962
Recorders' hours:	168.5
No. of locations:	104
Miles of profile:	47.21
Pounds of dynamite:	900 5/8
Caps:	391

Drills

No. of drills used:	4
No. of drill hours:	561.5
No. of holes drilled:	304
Total footage drilled:	12,380