

667-6-4-10

Pacific Petroleum

Alaska

REFLECTION SEISMIC SURVEY

TATHLINA AREA, N. W. T.

PERMIT NO.S 4594,4597,4599

May 29, 1970

REPORT ON THE
REFLECTION SEISMOGRAPH SURVEY
IN THE
TATHLINA AREA OF N.W.T.
CONDUCTED FOR
PACIFIC PETROLEUMS LTD.

BY
SEISMOTECH 64 LTD.
FROM
DECEMBER 21, 1969 to FEBRUARY 18, 1970
ON
PERMIT NO.S 4594, 4597, 4599

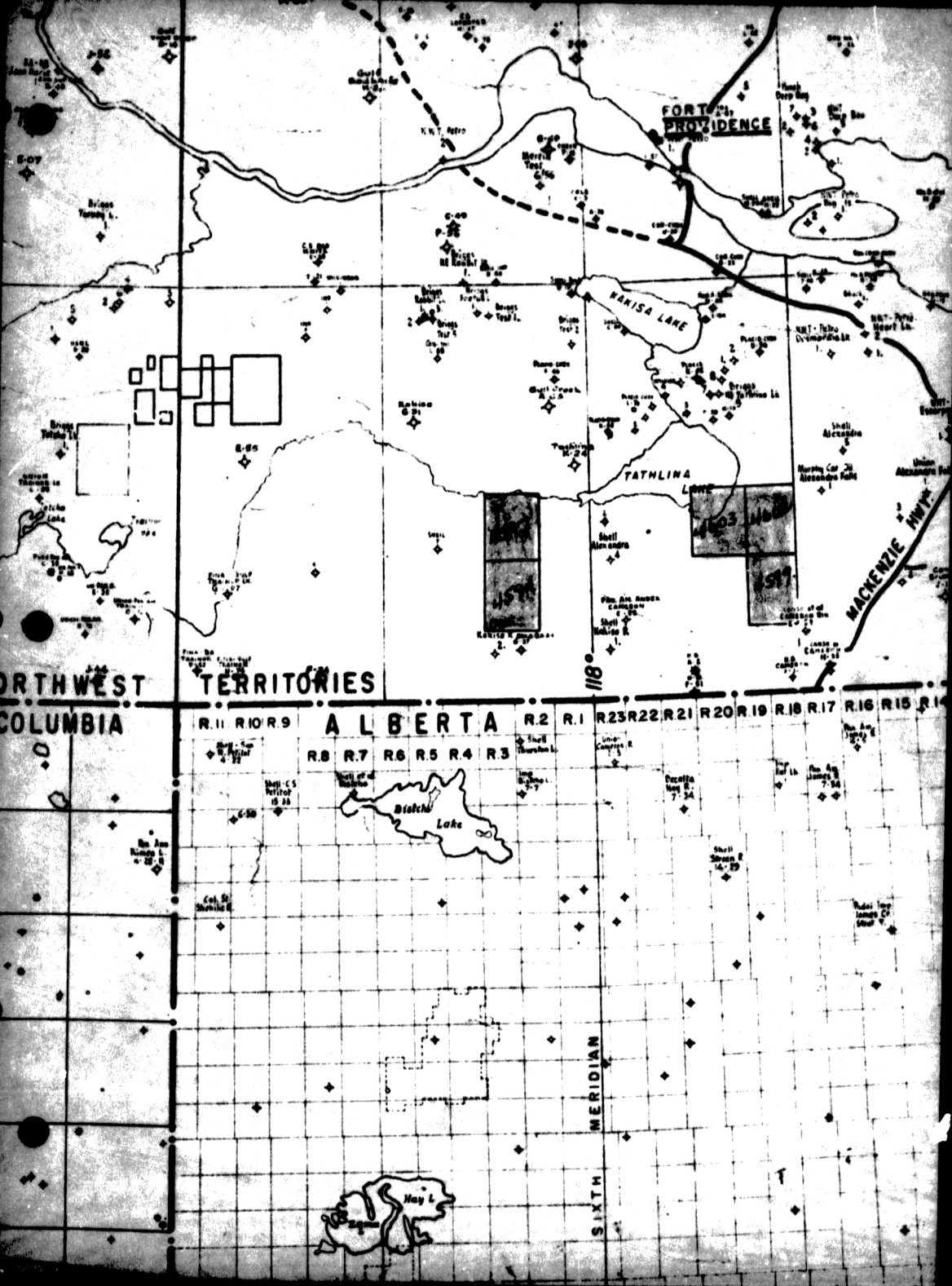
May 29, 1970

By S. Oczkowski



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INTRODUCTION

A reflection seismograph survey was conducted in the Tathlina Area on Permit No.s 4597, 4594 and 4599 between December 21, 1969 and February 18, 1970. A trailer camp was established within the Permit Area and access was from the Mackenzie Highway. The results of this survey are illustrated on maps enclosed in the attached folder.

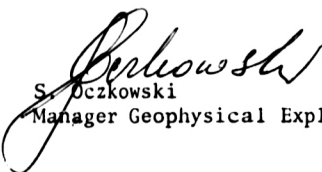
STATISTICAL DATA

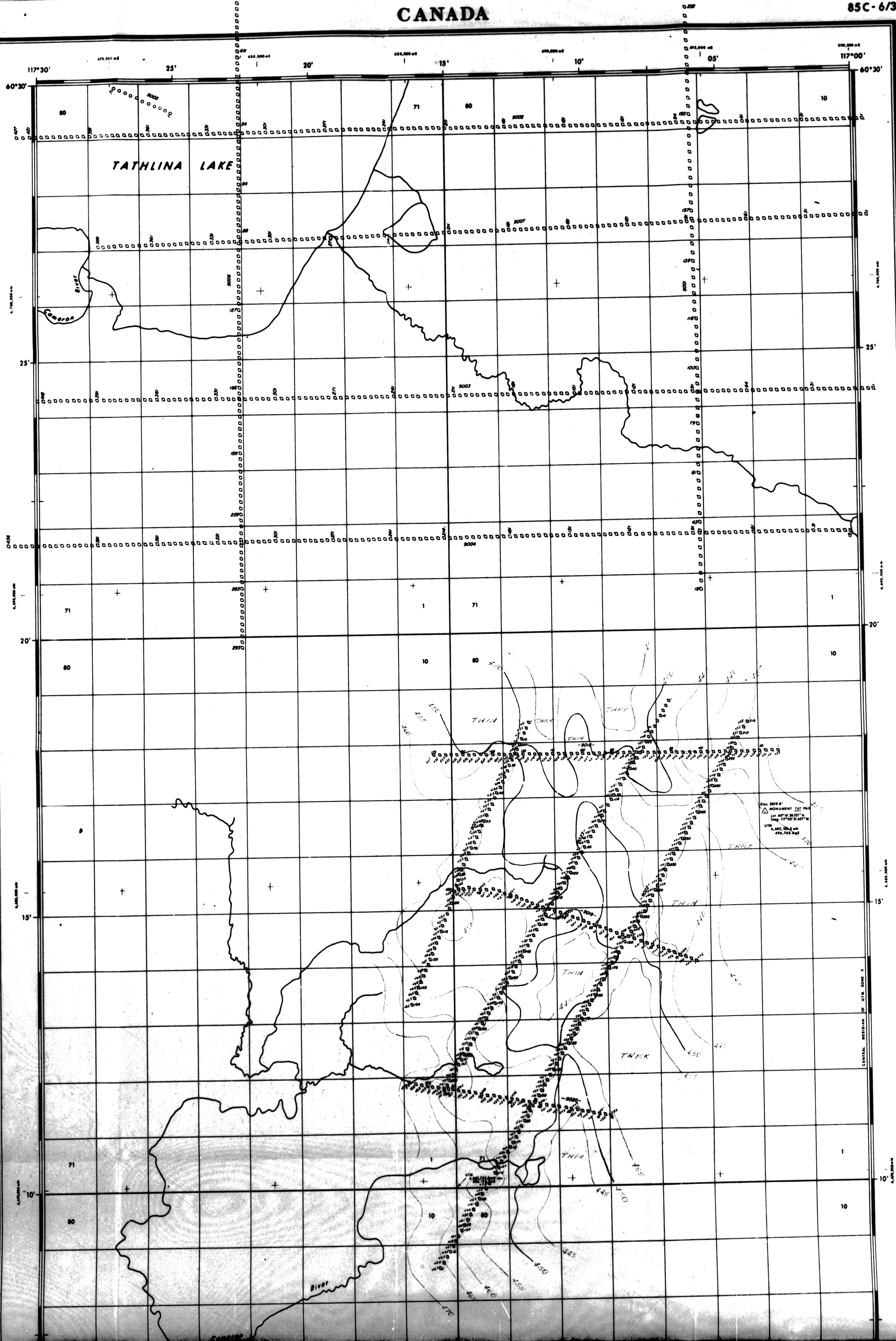
Mobilization Data: 'Cats' arrived on December 20, 1969
Recording Commenced: January 13, 1970
Recording Completed: February 18, 1970
Last Day on Project: February 26, 1970
No. of Miles Shot: 73 Miles
No. of Shots: 569
Average Miles/Day: 327
No. of Days Worked: 27
No. of Weather Days: 6
Instrumental Type: T.I. - D.F.S. III, 24 Trace Binary Gain
Vehicle Type No.: Wheeled Equipment
No. of Drill Shifts: 12
Party Manager: Fred Ditto
No. of Personnel on Crew: 45
Surveying Instrument: K & E Doria Transit
Survey Control: Geodetic Triangulation Station TAT
plus star shots taken at regular intervals.
Radio Liason: Mobile Telephone

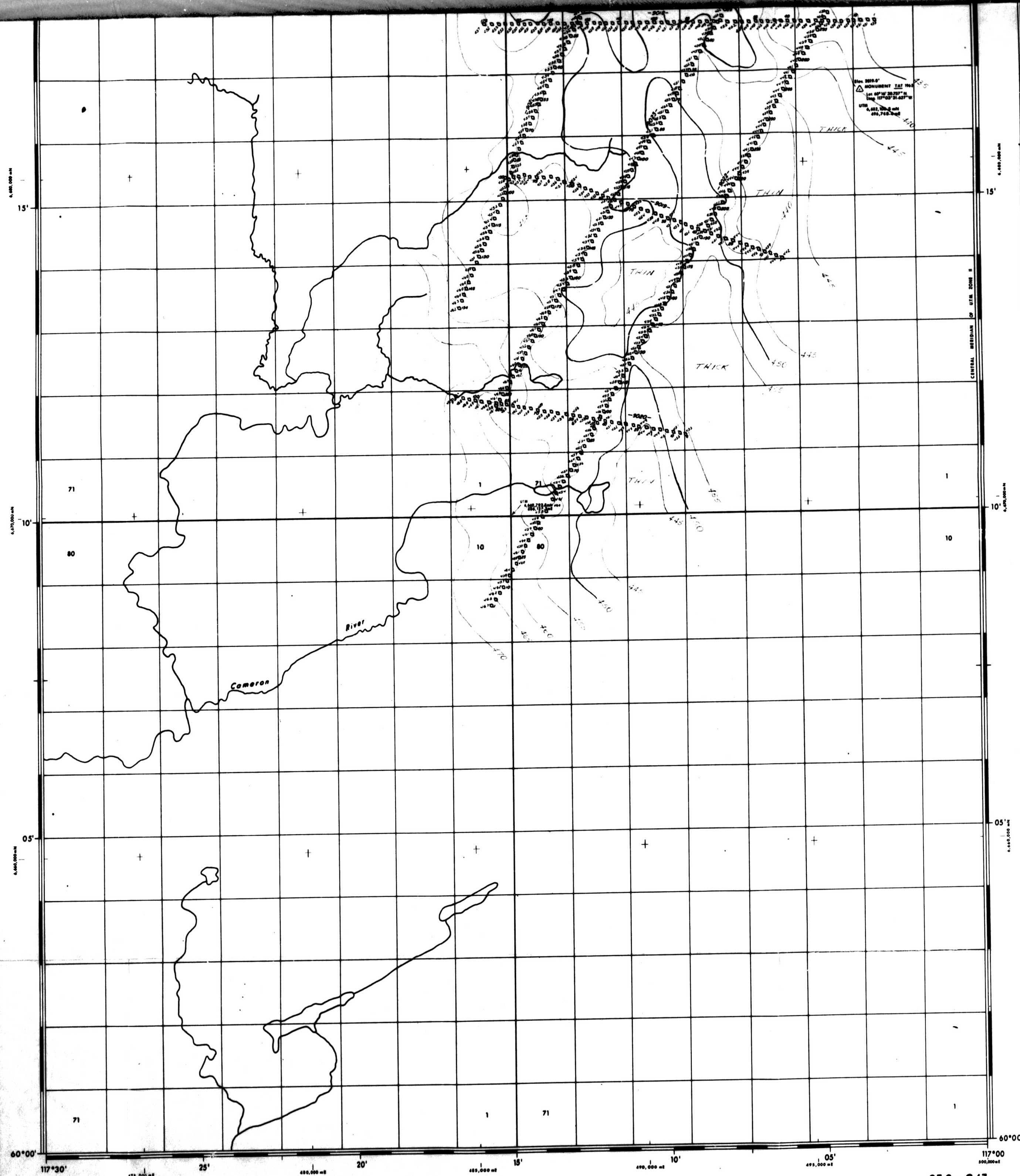
C.D.P. Percent; 400%
Charge Size: 3 times 2-1/2 pounds
Distance between Flag: 220 feet
Spread Layout: Split spreads of 2,640 feet.
Hole Depth: 15 feet
Sections Prepared: Datum - West - 800' A.S.L. East-2500' A.S.L.
N.S.V. - - 16000'/sec. -6500'/sec.
Filter - 15/20 - 50/55
Decon - Nil

INTERPRETATION AND SUMMARY

Structural maps were prepared at the Slave Point Horizon and where applicable, the interval Devonian to Slave Point was mapped. The enclosed maps reveal some area of interest.


S. Oczkowski
Manager Geophysical Exploration

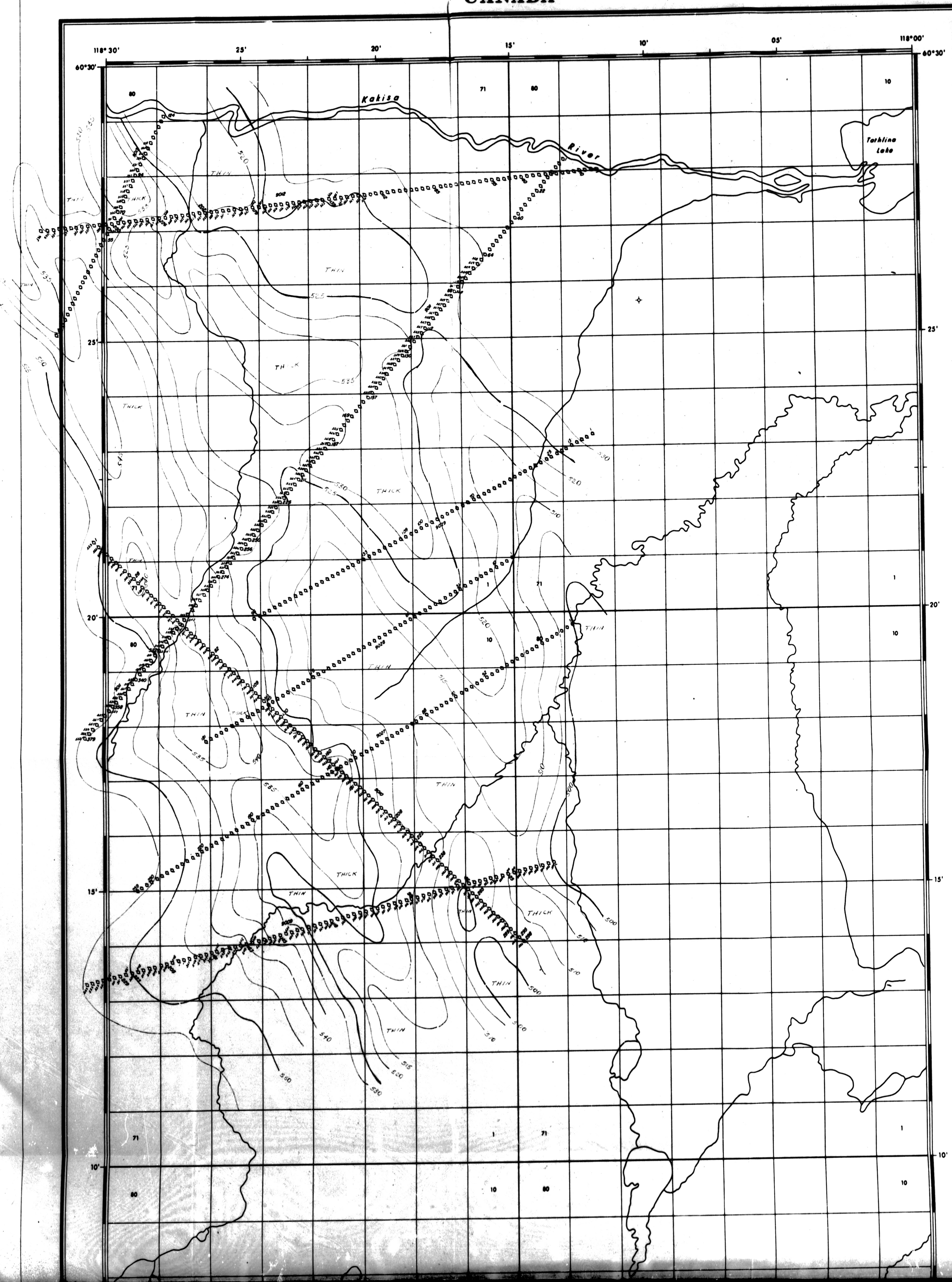


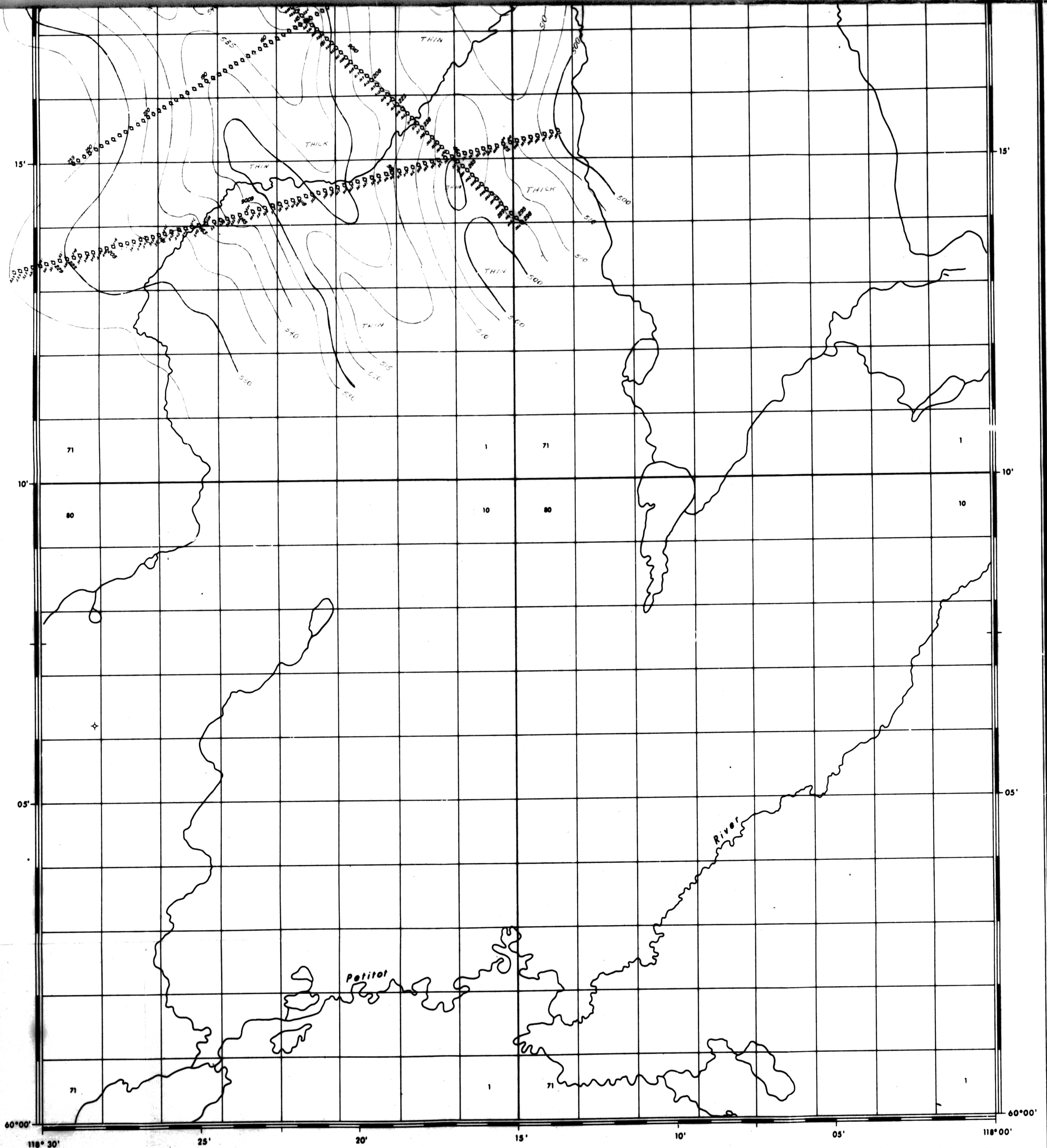


NORTHWEST TERRITORIES

SCALE 1:50,000
1.25 inches to 1 mile approximately

PACIFIC PETROLEUMS LTD.	
CALGARY, ALBERTA.	
EAST TATHLINA ISOCHRON DEVONIAN to SLAVE POINT	
CONTOUR INTERVAL: 500 FEET	DATE: MAY, 1970
DATUM ELEVATION:	ELEV CORR. VEL:
INTERPRETED BY: GFS	





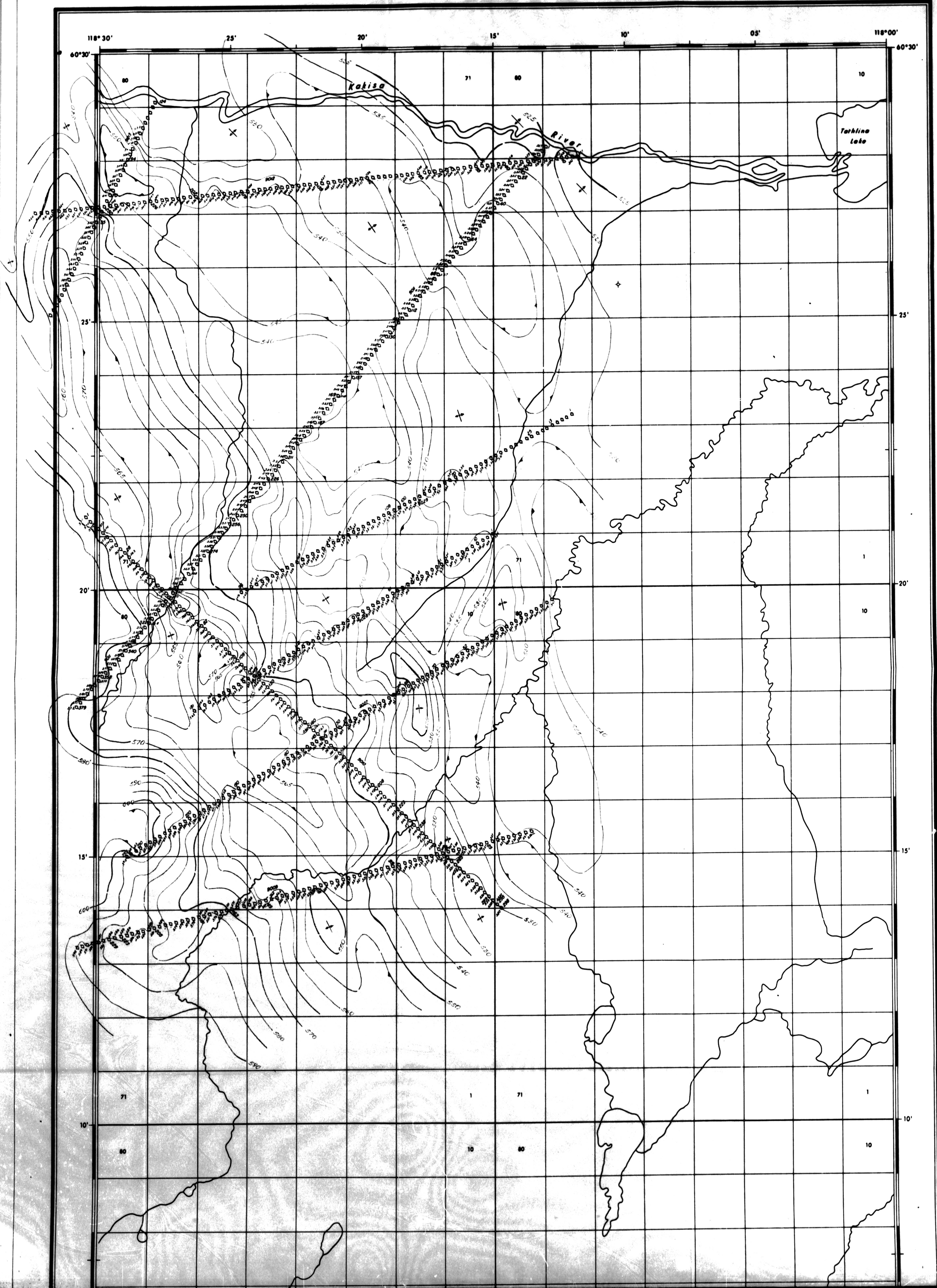
Q. Selenite

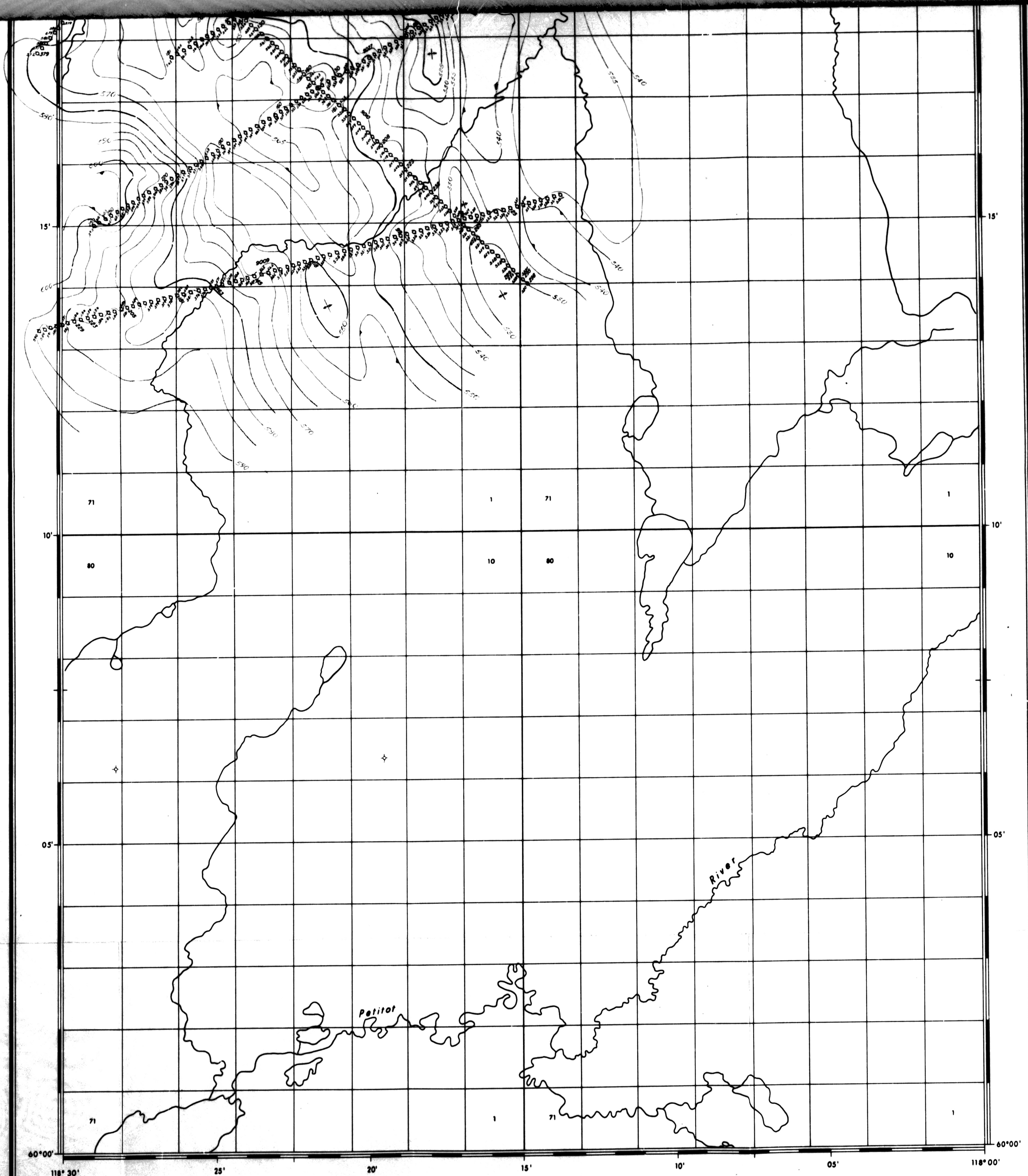
NORTHWEST TERRITORIES

SCALE 1:50,000
1.25 inches to 1 mile approximately

85D-8/1

PACIFIC PETROLEUMS LTD.	
CALGARY,	ALBERTA.
WEST TATHLINA	
ISOCHRON	
HAY RIVER to SLAVE POINT	
CONTOUR INTERVAL: 0.005 SEC.	DATE: MAY 1970
DATUM ELEVATION:	ELEV. CORR. VEL.
INTERPRETED BY: G.F.S.	





NORTHWEST TERRITORIES

SCALE 1:50,000
1.25 inches to 1 mile approximately

85D-8/1

PACIFIC PETROLEUMS LTD.
CALGARY, ALBERTA.

WEST TATHLINA
SLAVE POINT

CONTOUR INTERVAL: 0.005 SEC	DATE: MAY 1970
DATUM ELEVATION: 800 FEET	ELEV. CORR. VEL: 16000/SEC
INTERPRETED BY: G.F.S.	

