

- T I T L E P A G E -

Report on Territorial Oil and Gas
Permits 1036 to 1041 inclusive,
and 1048, Netla River Area, N.W.T.

Progress Report for Period December
3, 1960 to December 3, 1961. Submitted
in support of Application for Credit.

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1041 inclusive and 1048, Netla River Area, N.W.T.

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- PROGRESS REPORT -

INTRODUCTION

The terrain in the Netla River Permit Area is generally flat with a gradual slope toward the west. Ground elevations in this area vary from 2,300' in the east to 700' above sea level at the Liard River in the west. The area is drained by three main river systems, the Arrowhead River which drains the south and east portion, the Netla River which drains the north and central portion, and the Liard River which drains the west portion of the permit area. All rivers and creeks in this area have created deep ravines and steep banks. The entire area contains numerous muskeg patches and scattered pot holes. Black muskeg spruce makes up the main surface cover with a few willows and green spruce being found along the river banks.

SEISMOGRAPH OPERATION - PARTY 30 - 1961

On February 21st, 1961, a conventional truck mounted seismic crew, operated by Nance Exploration Company and under contract to Imperial Oil Limited and referred to as Party 30, and using standard shooting and recording technique commenced seismic operations in the area 60°40' north latitude and 123°05' west longitude. The record quality during the first week was generally good with some very poor first arrivals through muskeg areas. Considerable time was spent experimenting with three and five hole patterns endeavouring to get the best possible records for each area. The weather was quite mild with a few snow flurries and light winds. The terrain was very rough and several river valleys were crossed. Drilling was held back by long water hauls, otherwise it was favourable with mostly clay and boulders.

During February 26th and 27th, the crew worked at 60°47' north latitude and 123°05' west longitude. The record quality along this line was fair to good. The weather was quite mild although temperatures ranged from 15 above to 25 below. Drilling was fair being mostly clay and boulders. Due to the mild winter, difficulties were encountered hauling water as the trucks were sinking through the muskeg.

On February 28th, the camp was moved approximately 13 miles east and considerable trouble was encountered crossing steep river valleys.

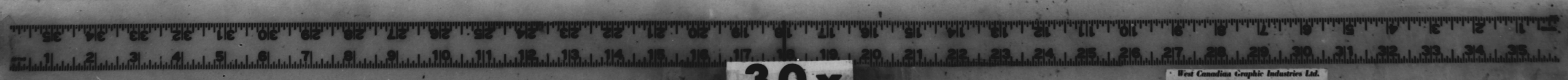
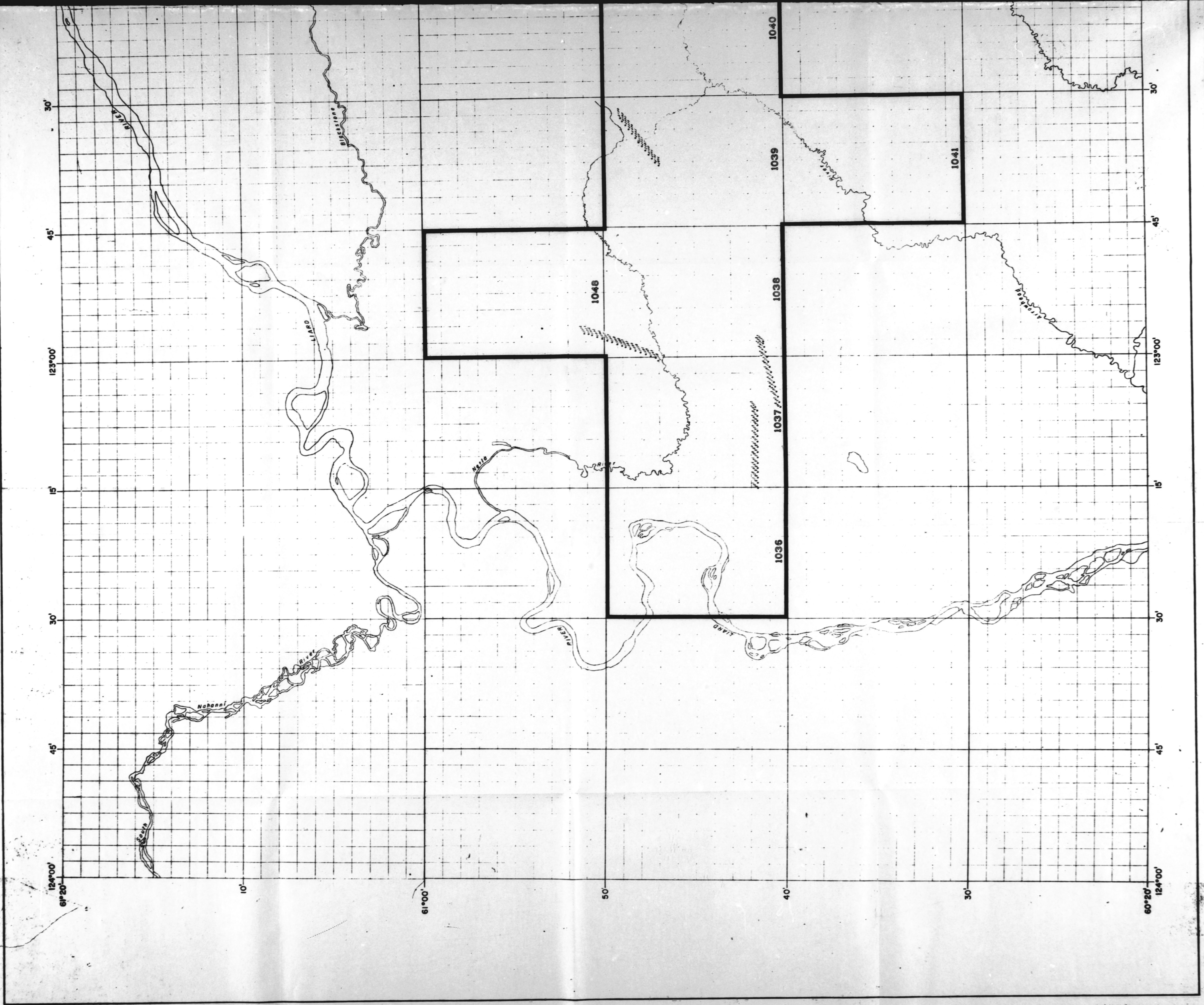
The crew worked from 60°47' north latitude and 122°38' west longitude to 60°50' north latitude and 122°30' west longitude on March 1st and 2nd. Record quality along this line was fair to good and little

difficulty was had drilling through clay and boulders. The weather remained mild although temperatures ranged from 15 above to 15 below. Surface conditions here consisted of gently rolling hills and rough muskeg. The crew moved out of this area on March 3rd, 1961, and returned on March 13th, 1961. During the period March 14th, 1961, to March 17th, 1961, the crew worked from 60°43' north latitude and 122°16' west longitude to 60°52' north latitude and 122°03' west longitude. The record quality was good but first arrivals were quite poor. Drilling in this area was generally fair. The terrain was mostly flat with soft, rough muskeg patches. The weather was very mild with a high of 37 above recorded.

Party 30, having completed its assignment, vacated camp on March 18th, 1961. During the above program, a total of 103 locations were shot to obtain 212 profiles.

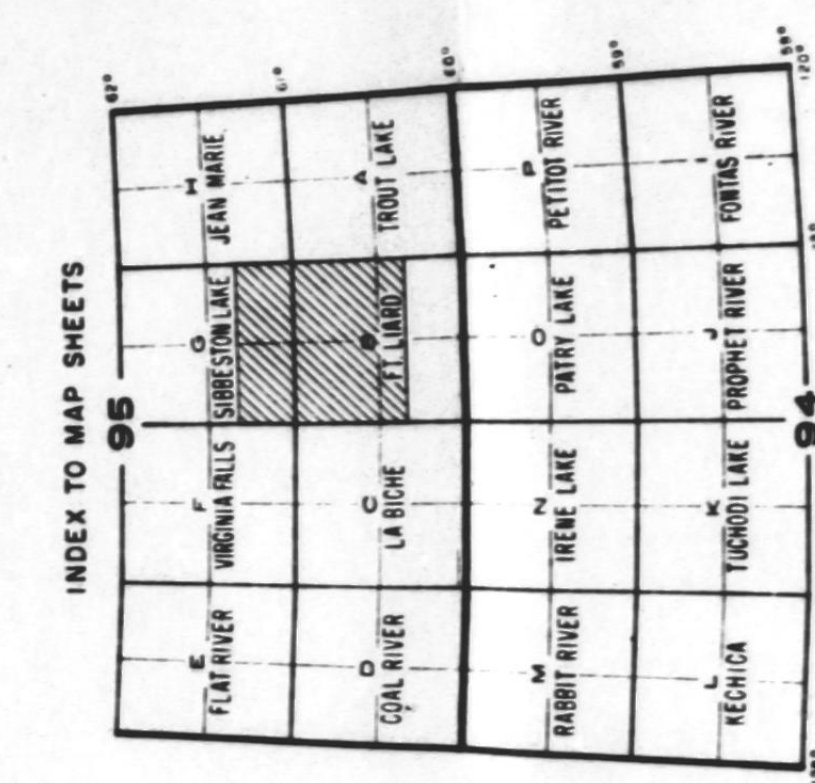
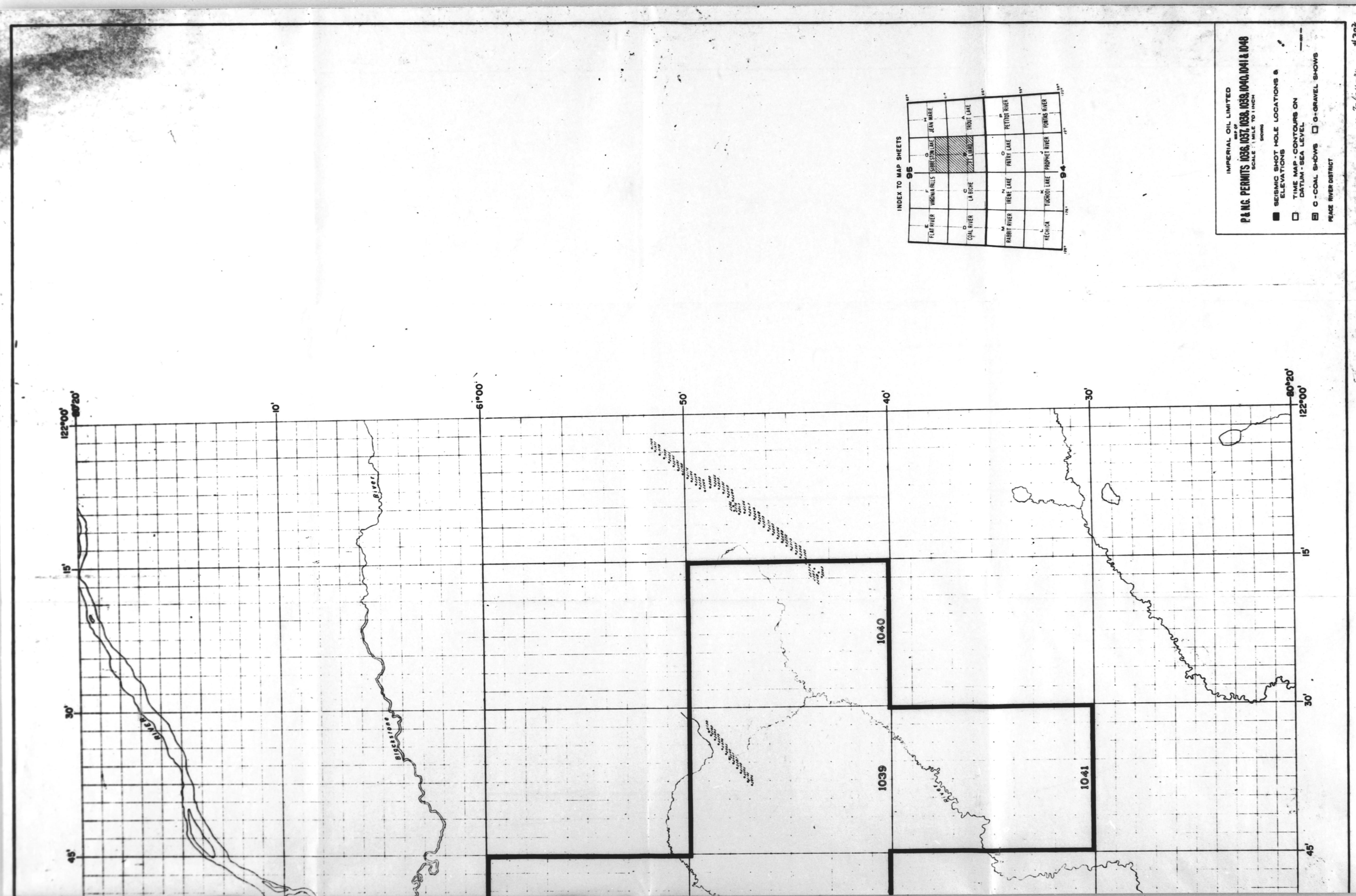

G.B. Darling

January 23rd, 1962.



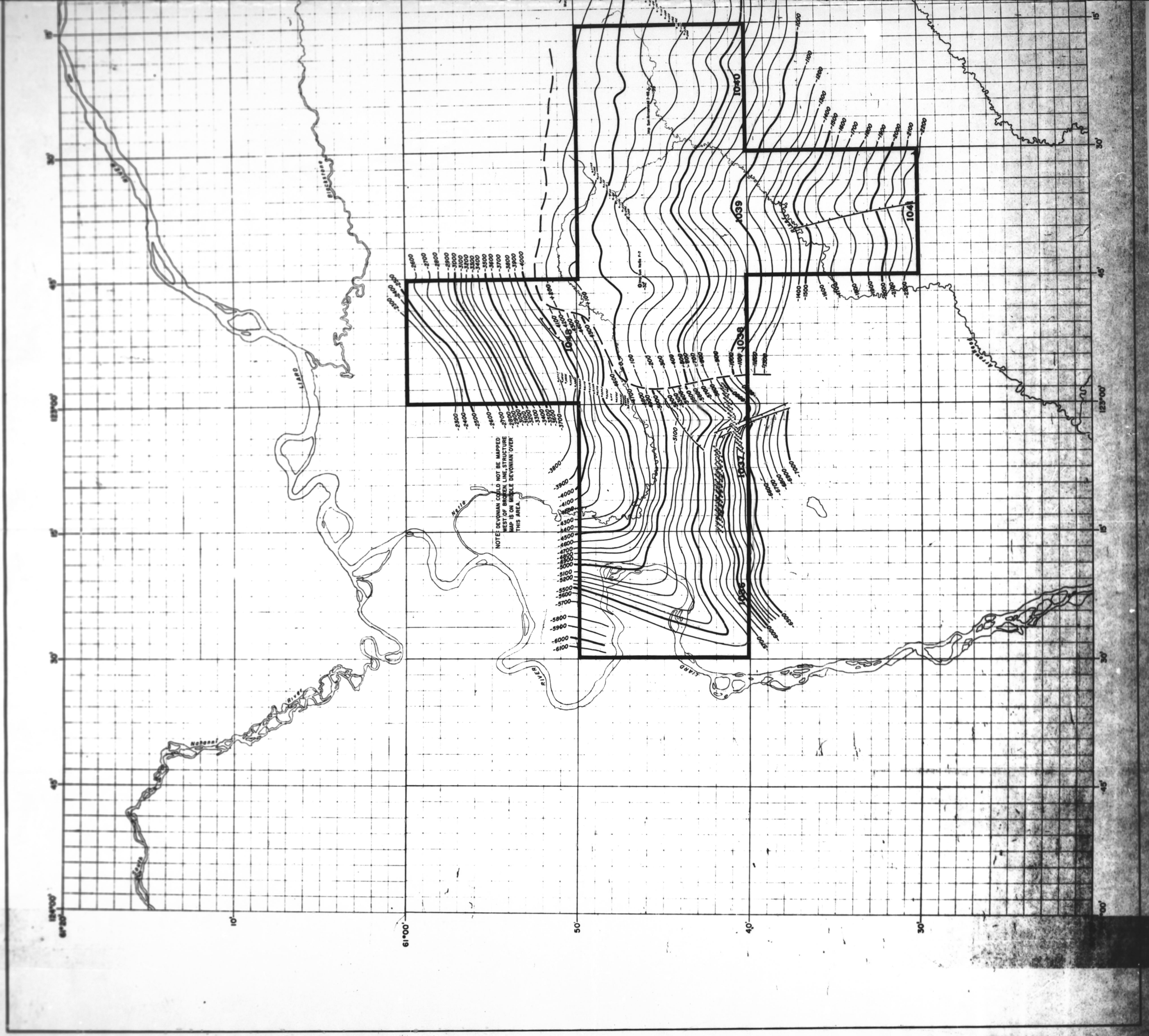
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IMPERIAL OIL LIMITED
 P.A. NO. PERMITS 1036, 1037, 1038, 1039, 1040, 1041 & 1048
 SCALE: 1 MILE TO 1 INCH

■ SEISMIC SHOT HOLE LOCATIONS & ELEVATIONS
 □ TIME MAP - CONTOURS ON DATUM - SEA LEVEL
 ■ C - COAL SHOWS □ G - GRAVEL SHOWS
 PEACE RIVER DISTRICT



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