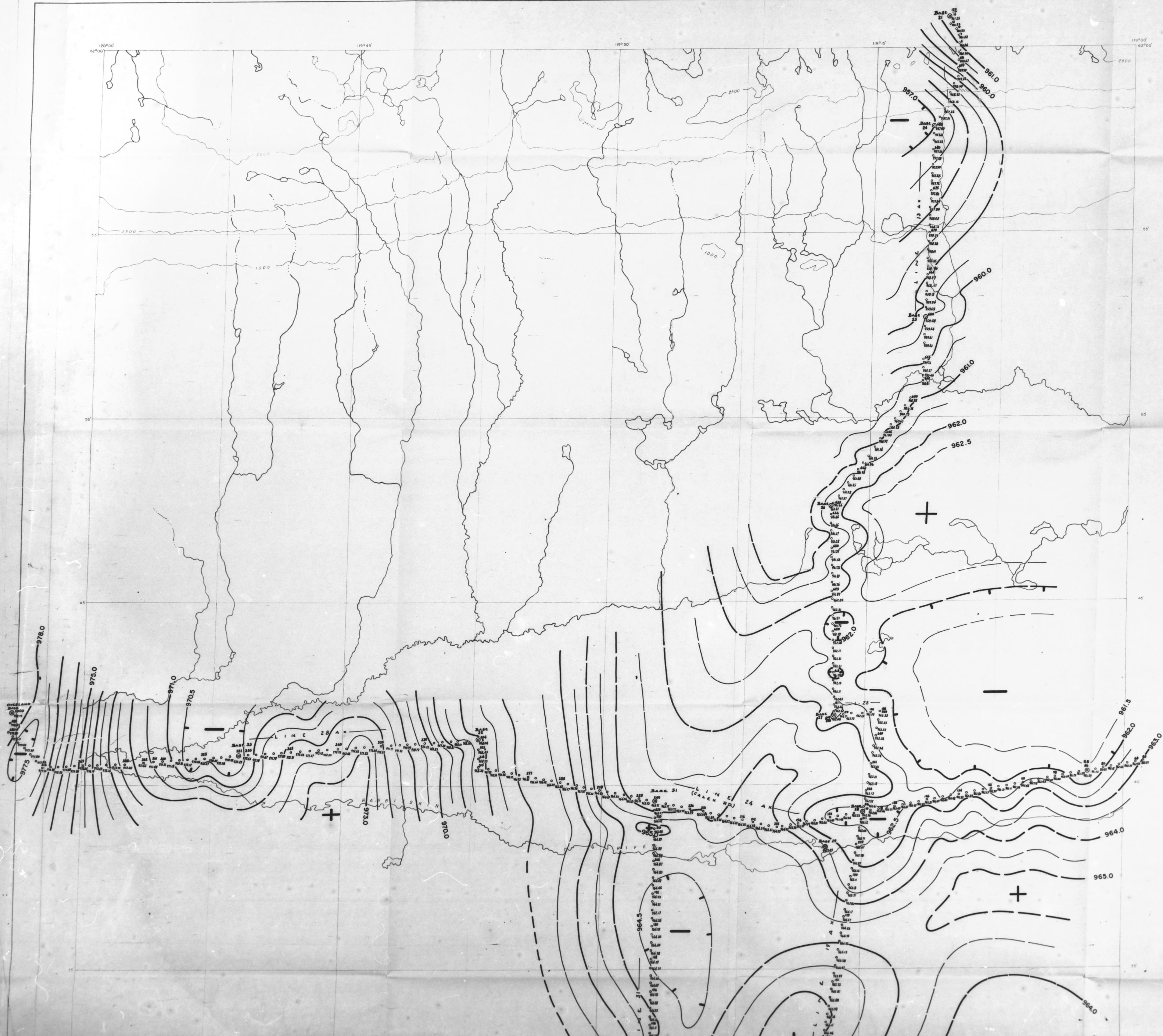






REFER TO F-9881A-9 FOR ADDITIONAL DATA

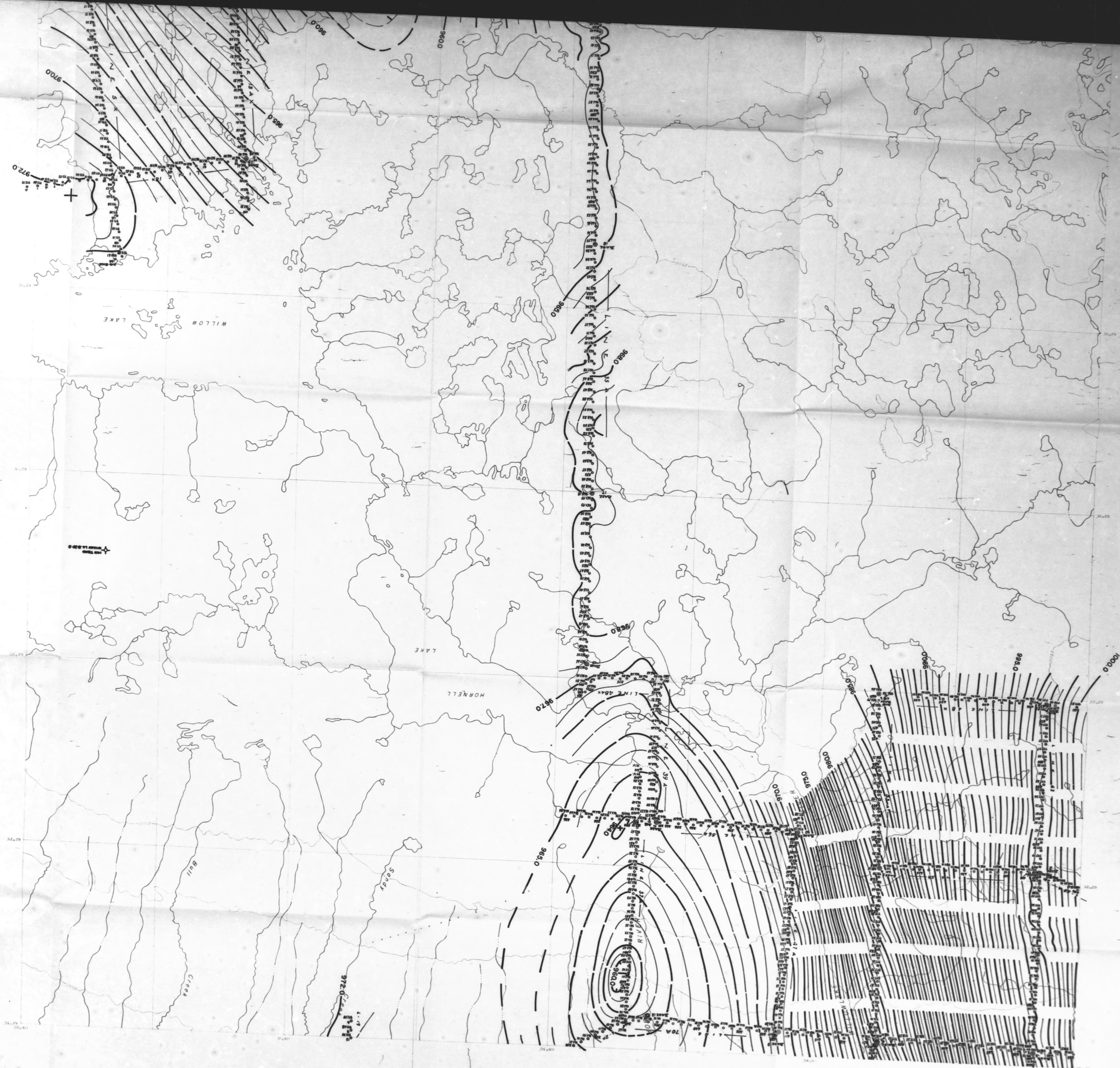
CHEVRON STANDARD LIMITED

WILLOW LAKE AREA BOUGUER ANOMALY MAP

DATUM, SEA LEVEL
ELEV. CORR. FACTOR, 0.68 MG. PER FT. (IN CONJUNCTION WITH SEISMIC
BY PTY 201 DIGICON)
C.I., .5 MG.
CONTOURED BY RRCA PID

SCALE	DATE	DRAWN	
1 INCH = 1 MILE	JUNE, 1965	R.L.S.	F-9881A-6

25-B-3



Rabbitsskin River - Davidson Creek N.W.T.
Group 301

Final Report on Gravity Survey Conducted
By Chevron Standard Limited

March - April 1968

Government Project 45-8-4-68-4

45-8-4-76

45-8-4-76



CONFIDENTIAL

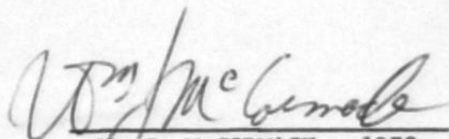
AREA: RABBITSKIN RIVER AND DAVIDSON CREEK, N.W.T.
GOVERNMENT PROJECT: 45-8-4-68-4
GROUP: 301

FINAL REPORT ON GRAVITY SURVEY CONDUCTED BY
CHEVRON STANDARD LIMITED

MARCH - APRIL 1968

MAPS IN ATTACHED FOLDER

AUTHOR: R. CLAWSON


W. J. McCORMACK - 1970
District Geophysicist

CONTRACTOR: UNITED GEOPHYSICAL LIMITED

GOVERNMENT PROJECT: 45-8-4-68-4

GROUP: 301

AREA: RABBITSKIN RIVER AND DAVIDSON CREEK, N.W.T.

MAPS: 1. HORN PLATEAU BOUGUER ANOMALY
2. WILLOW LAKE BOUGUER ANOMALY

SURFACE ELEVATION MAPS WITH SEISMIC REPORT IN SAME AREA

GOVERNMENT PROJECT 45-6-4-68-3

APPENDIX 7A

GEOPHYSICAL DATA

DATA REQUIRED FOR A GRAVITY SURVEY

OWNER OF DATA - Name Chevron Standard Limited
 Address 400 Fifth Avenue S.W., Calgary 1, Alberta
 LOCATION OF SURVEY (approx. boundary) Long. 119° to 120° Lat. 61°31' to 62°
 TYPE OF SURVEY - Traverse lines X Direction Various
 of Systematic areal coverage _____
 AVERAGE STATION SPACING 1/4 mile
 NUMBER OF OBSERVATIONS IN SURVEY 311
 YEAR OF OBSERVATION 1968 OBSERVER'S NAME United Geophysical

FORM OF DATA

1. ORIGINAL TRAVERSE DATA

Gravimeters used:

Type	Serial Number	Calibration constant (mgal/div)
Lacoste-Romberg	G-52	.104505
_____	_____	_____
_____	_____	_____
_____	_____	_____

Method of calibration _____ Factory Tested _____
 Estimated accuracy of reading in divisions 0.1 Div.

2. VALUES OF OBSERVED GRAVITY

Units in which observed gravity value is given milligals
 Average time interval drift checks 120 min. max.

3. VALUES OF BOUGUER ANOMALY

Formula used for calculation of theoretical gravity (International Formula, or, if other, specify)

Internat. Formula + 1 gal.
 Elevation datum used in calculation of Bouguer anomaly sea level

Density used in making elevation corrections (gm/cc) 2.3
 Terrain corrections made? Yes

ELEVATIONS

Unit (feet or meters) feet
 Elevations determined by (Tick one): Spirit Level _____
 Stadia X _____
 APR _____
 Other (specify) _____

Elevations referred to benchmark (Specify whether Dominion, Provincial, or other) Dominion

Estimated accuracy of elevations relative to datum ±0.5 ft. per mile

POSITION COORDINATES

1. SCALED FROM MAPS of scale (Tick one): 1:25,000 or less _____
 1:50,000 _____
 1" = 1 mile 1:125,000 _____
 1:250,000 _____
 1:500,000 _____

2. SURVEYED

Method of Survey (e.g., plane table, triangulation, or other) _____
Stadia Board and Transit

Units of Distance Feet
 Position of origin of survey Ft. Simpson

3. COMPUTED FROM DECCA COORDINATES (Yes or No.) No

4. REFERENCED TO U.T.M. GRID SYSTEM (Yes or No.) No

5. REFERENCED TO WESTERN D.L.S. SYSTEM (Yes or No.) No

Estimated accuracy of coordinates ±20' per mile

GRAVITY CONTROL

1. TIED TO DOMINION OBSERVATORY STATION(S)

Number	Location
9044-67	Ft. Simpson
_____	_____
_____	_____
_____	_____
_____	_____

2. TIED TO LOCAL SYSTEM

Give location and gravity value of main reference station(s) _____
Lat. 61°51.8' Long. 121°21.5'
982.01185 gals.

62° 15'

DAVIDSON CREEK

PERMITS 4169, 4173.

62° 00'

GROUP 301

119° 00'

61° 45'

118° 30'

1 of

CALEX

DAVIDSON CREEK

PERMITS 4169, 4173.

62°00'

GROUP 301

61°45'

CALEX

RABBITSKIN RIVER

PERMIT 4306.

2 of 2

53-156

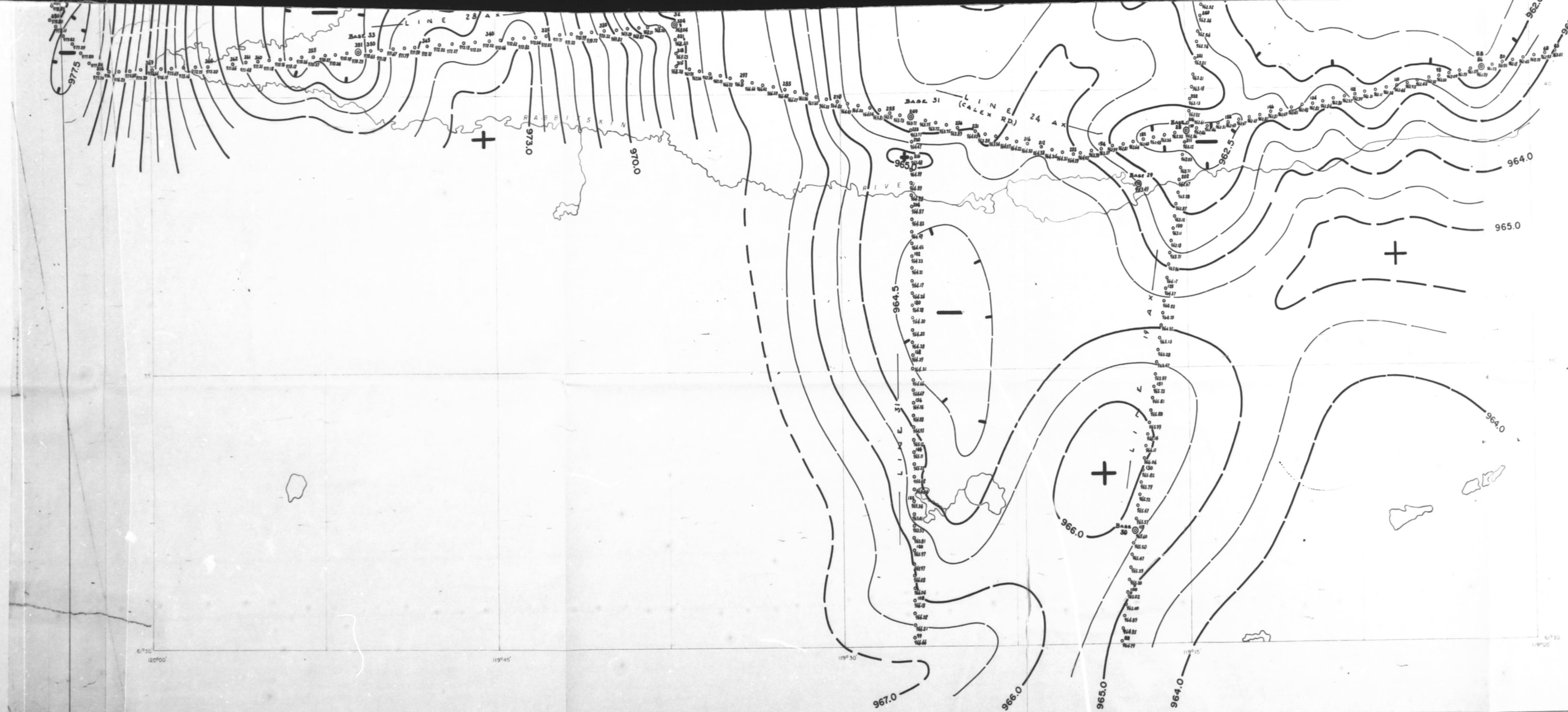
53-167

53-157

119°30'

119°00'

118°30'



NOTE FOR INDEX MAP SEE F-6797E-1
SEISMIC ELEV USED ON LINE 31

THE CALIFORNIA STANDARD COMPANY			
HORN PLATEAU AREA BOUGUER ANOMALY MAP			
DATUM, SEA LEVEL		FIELD CREW, PTY 568 UGC	
ELEV. CORR. FACTOR, .065MG. PER FT.		(IN CONJUNCTION WITH SEISMIC BY PTY 201 DISCON) 1968	
C.I. .5MG.			
CONTOUR BY P.I.B.			
SCALE	DATE	DRAWN	F-9877A-6
1 INCH = 1 MILE	JUNE, 1965	DEW	