

MACKIR MINING LTD.  
330-9 AVE. S. W.  
CALGARY, ALTA. T2P 1K7



GEOPHYSICAL REPORT

KO 1-36 MINERAL CLAIMS

<u>CLAIM NAME</u>	<u>RECORD NUMBER</u>
KO 1-4	Y67951-Y67954
KO 5-12	Y67957-Y67964
KO 13-14	Y67955-Y67956
KO 15-26	Y67965-Y67076
KO 27-34	Y67979-Y67986
Ko 35-36	Y67977-Y67978

NTS 105K-6

LATITUDE 62°20'N LONGITUDE 133°20'W

WHITEHORSE MINING DISTRICT

YUKON TERRITORY

FOR WORK PERFORMED DURING THE PERIOD JUNE 1-4, 1975

BY

R. B. GALESKI

JULY 1976



This report has been examined by the Geological Evaluation Unit and is recommended to the Commissioner to be considered as representation work in the amount of \$ 3600.00

3600

*[Handwritten Signature]*

~~Resident Geologist or  
Resident Mining Engineer~~

Considered as representation work under Section 53 (4) Yukon Quartz Mining Act.

*[Handwritten Signature]*

~~B. R. BAXTER  
Supervising Mining Recorder~~

*[Handwritten Signature]*  
~~for Commissioner of Yukon Territory~~

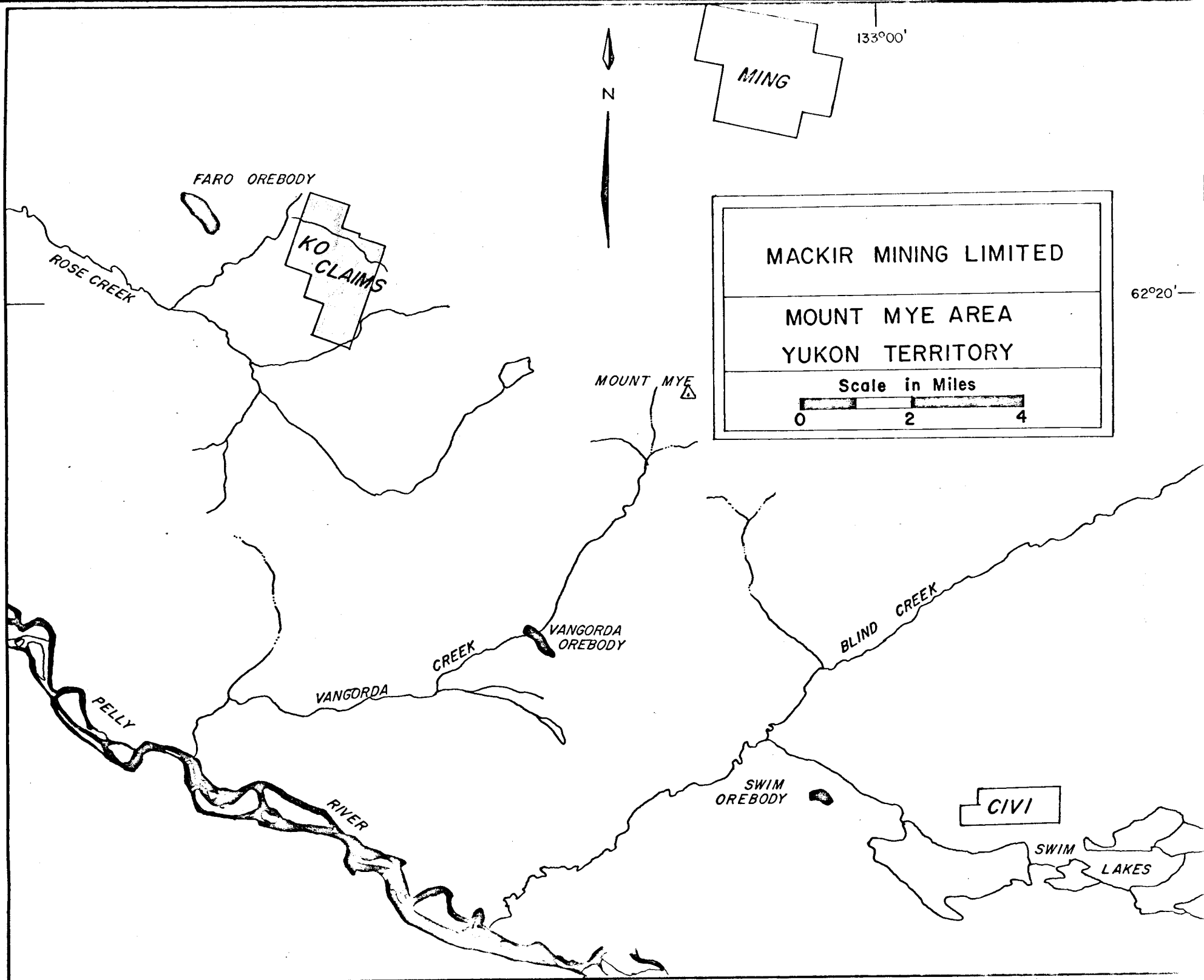
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MAPS

BOUGUER MAP

RESIDUAL MAP



MING

133°00'



FARO OREBODY

KO CLAIMS


ROSE CREEK

MACKIR MINING LIMITED  
MOUNT MYE AREA  
YUKON TERRITORY

Scale in Miles

0 2 4

62°20'

MOUNT MYE 

VANGORDA OREBODY

CREEK

VANGORDA

BLIND CREEK

PELLY

RIVER

SWIM OREBODY

CIVI

SWIM

LAKES

# GRAVITY INTERPRETATION

## KO MINERAL MINES

### FOR

## MACKIR MINING LTD.

## WHITEHORSE MINING DIVISION

### INTRODUCTION:

The KO mineral claims were located during February 1973, and are a relocation of claims held formerly by Tay River Mines Ltd. (NPL). The reason for relocating was the proximity of the area to the Faro orebody and the belief that a potential exists to locate economic minerals in a similar geological environment.

In 1976 the claims were optioned to Mackir Mining Ltd. A summary report on the KO claims had been prepared by A. Allen, P. Engineer, in October 1973.

A reconnaissance gravity survey was conducted by Airborne Geophysical Surveys, Ltd. for Mackir Mining Ltd. during the period June 1-4, 1976. Purpose of this survey was to cover the portion of the half-mile wide phyllite zone, extending southeasterly from KO-34 to KO-7, as reported by A. Allen, in order to delineate heavy masses that may lie within this zone.

The 3 man gravity crew located the line of claim posts marking the southeast corners of KO 28, 30, 32, 34, and 36 in the field. The southeast corner of KO 30 was arbitrarily given a grid designation of 0 + 00 (both N-S and E-W), and the survey proceeded from that point. Completed were the following lines:

0 + 00 from 0 + 00 to 12S	19E from 29N to 27S
12S from 0 + 00 to 27E	24E from 30N to 29S
15E from 30N to 26S	

Station interval was 100' on all lines.

Data were reduced with an elevation correction factor of 0.06 (2.67 surface density) and a conventional latitude correction. Terrain corrections were not made. Bouguer elevation profiles were constructed for purposes of interpretation. From these, residuals were extracted and plotted. The Bouguer and residual maps form the basis of this report.

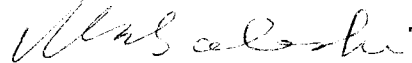
## BOUGUER MAP

The Bouguer map is contoured at an interval 0.1 mgal. It indicates a relatively steep easterly gradient of 4 mgals/mile in the southern half of the area worked and a gentler northerly gradient of 3 mgals/mile in the north half. The line of demarcation between the two areas of differing gradient extends from 6N on line 15E to 6S on line 24E. This line is presumed to represent the approximate contact between differing bedrock types. Small flexures in the Bouguer contours southwest of this line indicate the presence of small heavy masses discussed in the next section.

### RESIDUAL MAP

The residual map (C.I.=0.1 mgal.) shows two positive features - one centred near the intersection of lines 12S and 19E and the other at the southend of line 24E. Although either could be due to the presence of a shallow, very small (uneconomic) sulphide accumulation, it is more likely that both are due to overburden effects.

It is not recommended that either of the above features be given any further attention. However, the remainder of the claim block should be covered by gravity work to see if any better quality anomalies can be found.



Robert B. Galeski, P. Geoph.

34 33  
32 31

15E

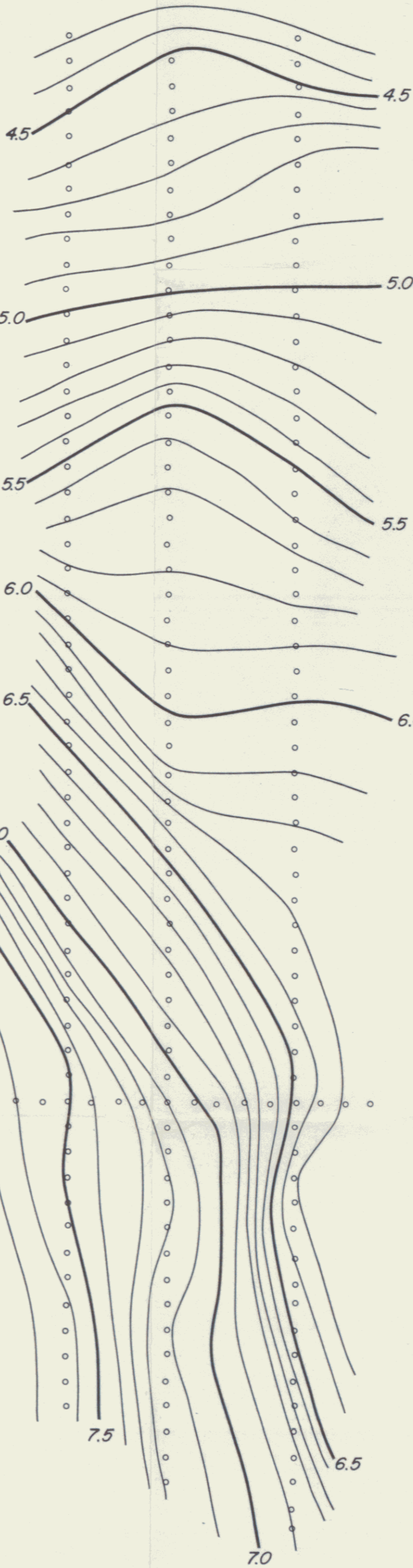
19E

24E

32 31  
30 29

30 29  
28 27

28 27



MACKIR MINING LIMITED	
KO MINERAL CLAIMS Y.T.	
BOUGUER GRAVITY	
Contour Interval : 0.1mgals Scale : 1" = 400'	Galeski Consulting Aug, 1976
AIRBORNE GEOPHYSICAL SURVEYS	

34 33  
32 31

32 31  
30 29

30 29  
28 27

28 27

15E

19E

24E

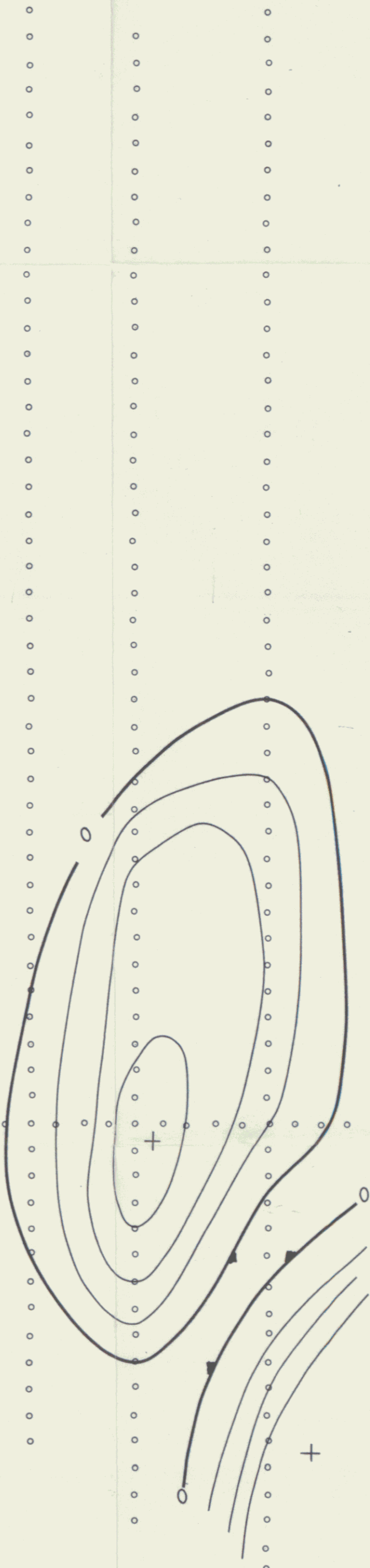
- 24N

- 12N

- 0

- 12S

- 24S



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KO MINERAL CLAIMS Y.T.	
RESIDUAL GRAVITY	
Contour Interval : 0.1 mgals Scale : 1" = 400'	Galeski Consulting Aug, 1976
AIRBORNE GEOPHYSICAL SURVEYS	



ADDENDUM

The following Personnel were employed for the KO Mineral Claims:

ARSENAULT Bob .....  
Box 636  
Canmore

Surveyor

WHITNACK Len .....  
General Delivery  
Coaldale

Meter Operator

FRASER Bruce .....  
General Delivery  
Faro, Yukon

Rodman

Galeski John .....  
12235 Lake Fraser Way S.E.  
Calgary

P. Geol.

Galeski Robert .....  
R.R.1  
Priddis

P. Geoph.



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