

1. A Geophysical report on a Gravimetric Survey
2. The Palmer and Radium Springs claims, Mile 497, Alaska Highway, Yukon.

Latitude: ^{59°}~~62~~ degrees 00 min. N.Lat.
~~102~~ degrees 00 min. W.Long.
106
Watson Lake sheet

3. by Michael McCombe
Roving Exploration Services Ltd.

4. Claim owner: Estate of John Lund, c/o Mrs. Anna Lund,
Pouce Coupe, B.C.

5. Date of work: August 16, and August 17, 1968.

94 NS/94 M/BE

ROVING EXPLORATION SERVICES LTD.

CALGARY, ALBERTA

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EXPLORATION SERVICES LTD.

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GRAVITY
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ELECTROMAGNETOMETER
MAGNETOMETER
INDUCED POLARIZATION
GEOCHEMICAL
AIRBORNE

520 - 5th Avenue S.W.
Calgary, Alberta
Telephone 264-0895

September 30, 1967

GRAVIMETRIC SURVEY

Palmer and Radium Springs Claims, Mile 497, Alaska Highway.

A Gravimetric Survey was carried out on the above claims during the middle of August, 1967, by ROVING EXPLORATION SERVICES LTD., of Calgary, Alberta. The survey crew spent two days on the property being August 16 and August 17 inclusive. A traverse of 54 stations spaced at 100 foot intervals was completed.

Field Procedures

A three man survey team was employed consisting of the following personnel:

Meter Operator - F. Kyte
Surveyor - J. Johanneson
Rodman - Jon Beattie
Computer-supervisor - M. McCombe.

Elevation and Horizontal Control

The traverse was initiated from a bench mark on the Con-West access road at the approximate southeast corner of Radium Springs Claim No. 8. The elevation at this point was established by an Altimeter loop run from a bridge elevation on the Alaska Highway to this benchmark.

Horizontal distance between stations was established by "chain". Stations were located 100 feet apart. Horizontal and vertical angles were obtained on the traverse by accepted survey methods. Elevations were read to a hundredth of a foot. The traverse was "tied in" back to the "take off" bench mark. A theodolite was used for the survey.

Meter Procedures

A Base Station was established at Station #27 on the traverse line. Observations were taken at stations previously established by the survey crew. The meter was checked prior to starting the survey and was found to be operating with acceptable limits. The meter used was a Worden Master, Serial No. 790, with a constant of $K = 0.0846 (9)$.

Computing Procedures

Computing of field data was conducted by accepted methods.

Diurnal Drift was established by repeat observation of the Base Stations in the field. Drift was then proportionally distributed mathematically between stations on each run. An arbitrary prospect correction of 100.00 mgls. was chosen as being suitable to base observed gravity values on. The "Base" (Station #27) was given this value and all other station values are relative to this value. A density of 2.67 was established for the country rock and an elevation correction factor of 0.060 miligals per foot was derived from this density.

A latitude correction datum lines was established on a true east-west bearing through station 0 \neq 00. All latitude corrections for the following stations were corrected mathematically from this point.

Plotting

A horizontal control map was plotted for the traverse. The scale used being 1" = 200 feet.

Elevation profiles were plotted as follows:

Horizontal 1" = 100 feet.
Vertical 1" = 100 feet.

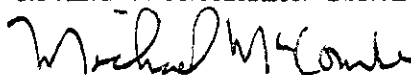
Bouguer profiles were plotted as follows:

Horizontal 1" = 100 feet.
Vertical 1" = 1.00 miligals.

Computing and plotting were carried out by the staff of ROVING EXPLORATION SERVICES LTD. in their Calgary office.

A traverse map and Bouguer and elevation profiles accompany this report.

ROVING EXPLORATION SERVICES LTD.



Michael McCombe,
Gravity Supervisor.

MM:vc



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STATEMENT OF QUALIFICATIONS

I, Michael McCombe of the City of Calgary, Alberta do certify
that:

That I have had three full years of Gravimetric survey experience
in mining exploration in western Canada. I have a total
of 16 years experience in mining exploration in Canada
and that I am qualified by experience to compute Gravity
data and to construct Bouguer profiles and contour maps
from these data.

That I was formerly employed by United Geophysical Corporation
of America for a period of two years as Geophysical technician
specializing in mining Gravity surveys.

A handwritten signature in cursive script that reads "Michael McCombe". The signature is written in dark ink and is positioned above a horizontal line.

Michael McCombe

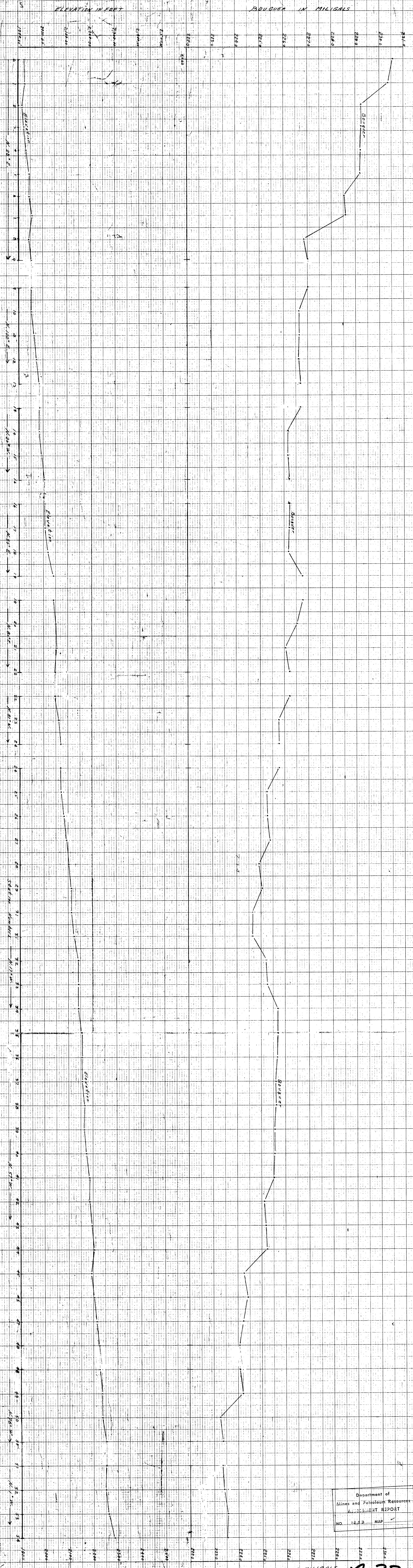
AREA Mile 497 Alaska Highway BC. **ROVING EXPLORATION**
 CLIENT Alward **GRAVITY COMPUTATION SHEET**
 ELEVATION CORRECTION FACTOR .060 PROSPECT CORRECTION 100.00 MG

PARTY # 1
 PARTY CHIEF H. McCrate
 COMP. BY Harc CHK. BY _____

STA. NO.	BOOK PAGE	GRID.	ELEV.	ELEV. CORR.	LAT. CORR.	OBS. GRAV.	TERR. CORR.	BOUG. GRAV.	NO.	RECHECK OBS. GRAV.	BOUG. GRAV.	DATE RUN	DATE RECHECK
0+00			1935.29	115.52	.00	115.06		220.58				Aug 17/67	
1			1937.33	115.64	-.02	114.74		230.36					
2			1916.16	114.97	-.04	114.32		229.25					
3			1923.66	115.42	-.07	113.90		229.25					
4			1931.22	115.87	-.09	113.49		229.22					
5			1943.75	116.13	-.11	112.68		229.20			229.20		
6			1942.72	116.56	-.13	112.10		228.53					
7			1957.61	117.46	-.15	111.29		228.60					
8			1943.00	116.58	-.18	110.93		226.83					
9			1953.34	117.20	-.19	110.00		227.01					
10			1952.84	117.23	-.18	109.58		226.63					
11			1964.53	117.87	-.18	108.96		226.65					
12			1973.78	118.43	-.18	108.37		226.62					
13			1985.11	119.11	-.18	107.76		226.69					
14			1984.23	119.05	-.19	107.32		226.18					
15			1995.66	119.70	-.21	106.68		226.17					
16			2004.50	120.27	-.23	106.18		226.22					
17			2007.91	120.47	-.24	105.98		226.21					
18			2020.38	121.22	-.26	105.23		226.19					
19			2041.34	122.00	-.28	104.25		226.75	?				
20			2050.44	123.03	-.29	103.79		226.53					
21			2053.00	123.18	-.29	103.17		226.06					
22			2059.28	123.56	-.30	102.95		226.21					
23			2069.82	123.77	-.31	102.33		225.79					
24			2071.86	124.21	-.31	101.79		225.79					
25			2071.32	124.28	-.33	101.31		225.26					
26			2081.86	124.91	-.35	100.73		225.29					
27			2096.18	125.77	-.37	100.00		225.40			Compare with Green's		
28			2103.89	126.03	-.40	99.69		224.97	?				
29			2113.89	126.83	-.42	98.65		225.06					
30			2112.59	126.76	-.42	98.32		224.65					
31			2124.08	127.44	-.45	97.66		224.65					
32			2142.68	128.52	-.47	97.16		225.21					
33			2143.34	128.60	-.50	97.16		225.26					
34			2142.75	128.57	-.52	97.21		225.26					
35			2156.12	129.37	-.54	96.87		225.70					
36			2155.67	129.34	-.56	96.90		225.68					
37			2159.18	129.55	-.58	96.63		225.60					
38			2165.10	129.91	-.60	96.30		225.61					
39			2164.71	129.85	-.61	96.33		225.57					
40			2172.15	130.33	-.64	95.85		225.54					
41			2185.41	131.12	-.65	95.05		225.52					
42			2196.15	131.20	-.66	94.57		225.11			224.68	Aug 17/67	
43			2195.34	131.72	-.68	94.15		225.19					
44			2202.10	132.13	-.69	93.79		225.23					
45			2191.89	131.51	-.70	93.44		224.25					
46			2204.34	132.06	-.72	92.87		224.41					
47			2214.77	132.89	-.73	92.06		224.22					
48			2226.92	133.62	-.73	91.19		224.08					
49			2238.72	134.32	-.73	90.62		224.20					

ELEVATION IN FEET

BOUGUER IN MILLIGALS

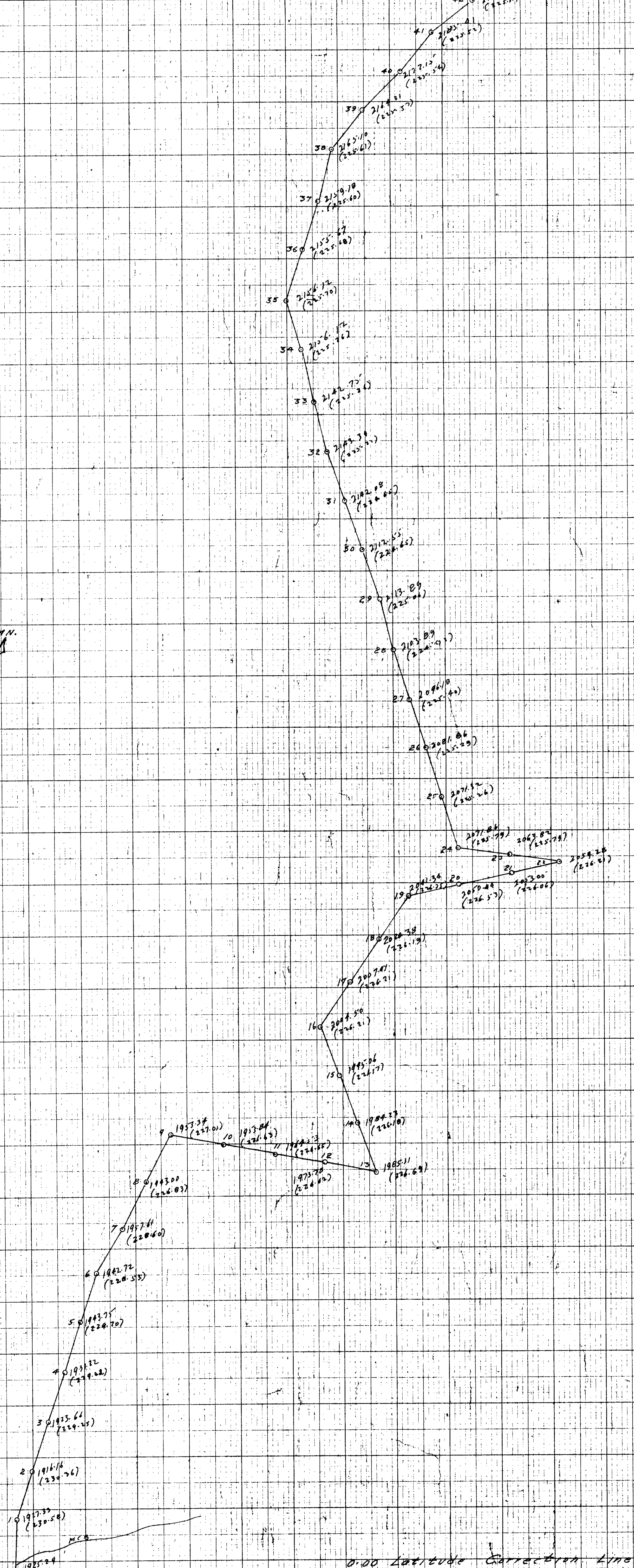
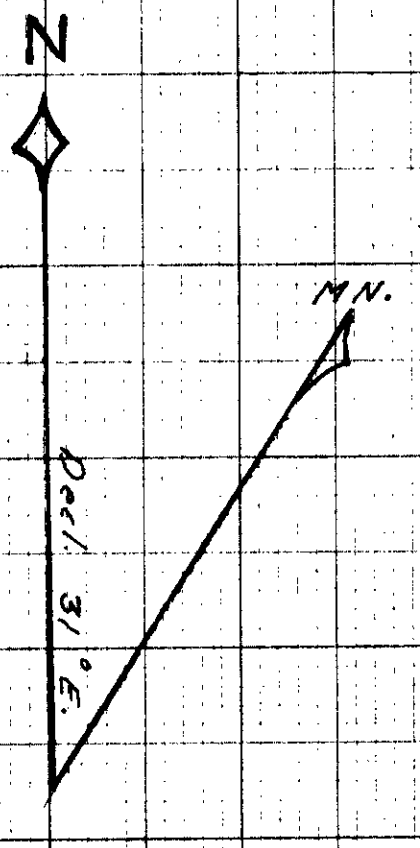
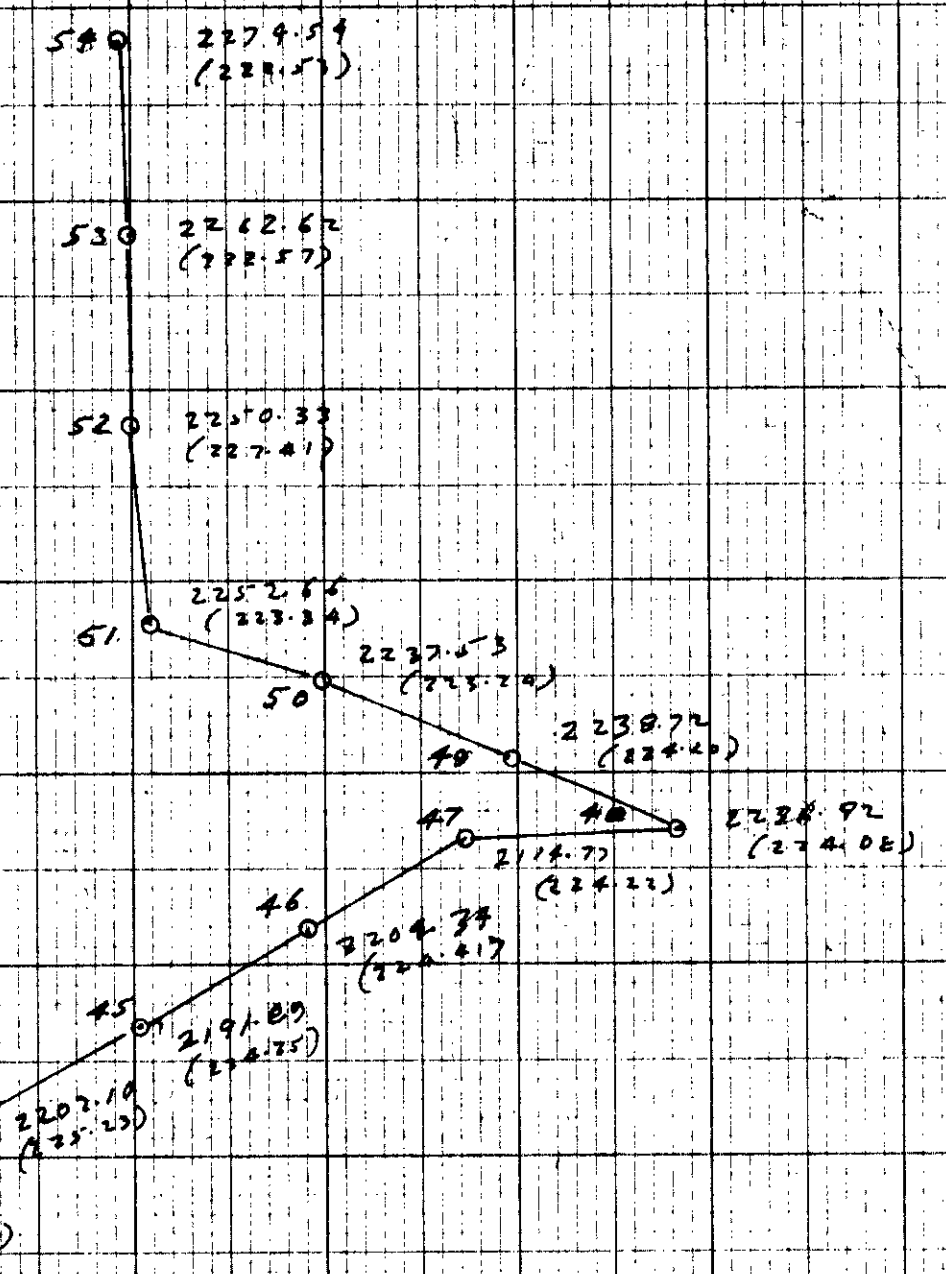
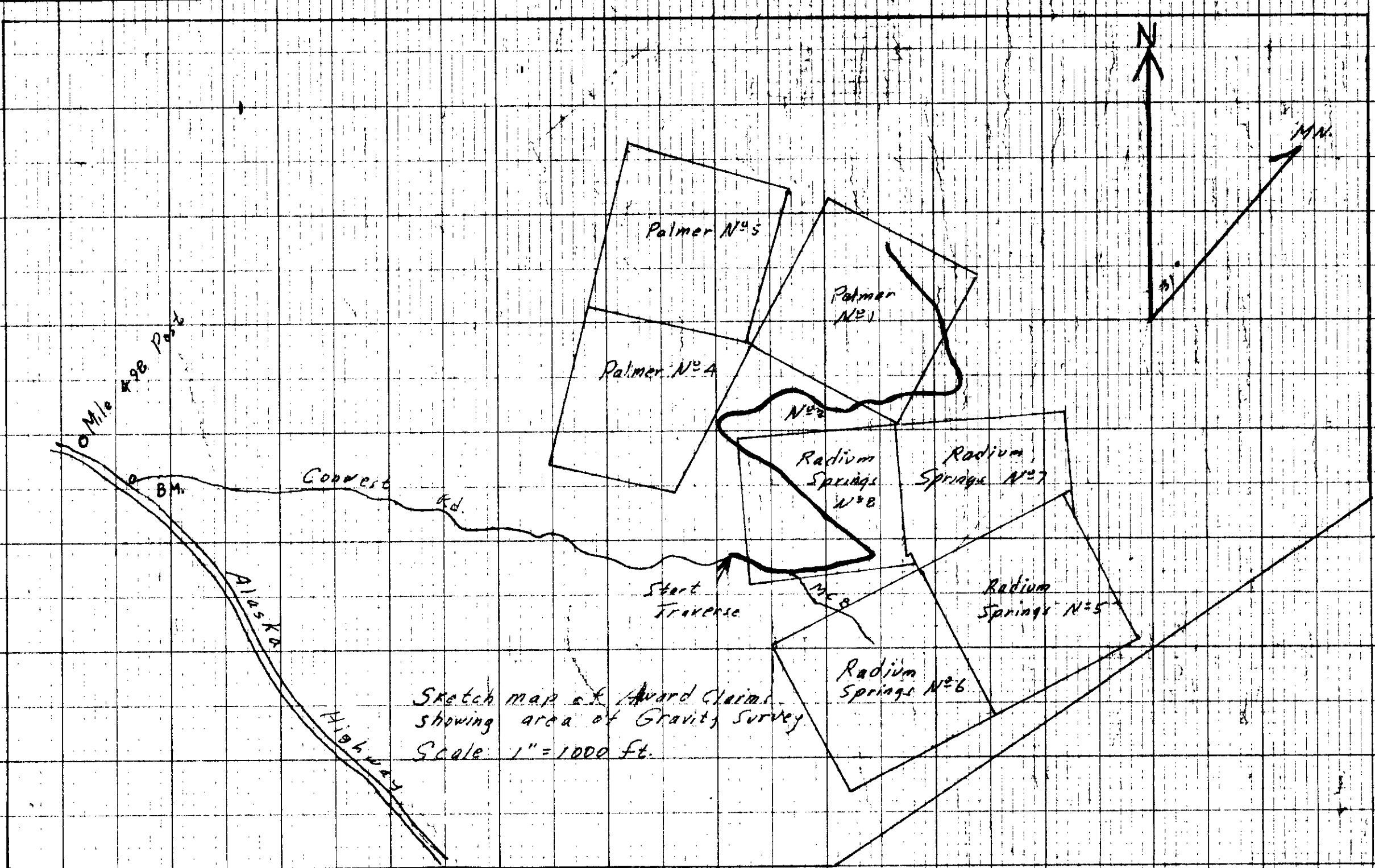


Horizontal Scale 1" = 200 ft
 Vertical Scale 1" = 100 ft
 Elevation Profile 1" = 100 ft
 Bouguer Profile 1" = 100 mg

ALWARD PROPERTY Milk Apt High Highway
 PALMER AND RAYMOND SPRINGS
 CHAIRS
 BOUGUER PROFILE
 ELEVATION PROFILE
 August, 1927
 ROYAL EXPLANATION
 SERVICES LTD
 CALGARY, ALBERTA

Department of
 Mines and Petroleum Resources
 ASSESSMENT REPORT
 NO. 1233 MAP

1233



Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 1233 MAR

ALWARD PROPERTY - BRITISH COLUMBIA
PALMER AND RADIUM SPRINGS CLAIMS
Mile 498 Alaska Highway
GRAVITY SURVEY
Scale 1" = 100 ft
August 1967
BY ROYING EXPLORATION
SERVICES LTD.
CALGARY, ALBERTA

o Gravity Station with Bouguer value (201.50) and Elevations

1233