60-8-7-81

Abstracted for
Geo-Science Data Index

Date

REPORT OF A GRAVITY SURVEY

NEAR INUVIK, N. W. T.

FOR

AMOCO CANADA PETROLEUM COMPANY LTD.

REPORT OF A GRAVITY SURVEY

Conducted By

Overland Exploration Services

for

Amoco Canada Petroleum Company Ltd.

Near Inuvik, N. W. T.

Abstracted for
Geo-Science Data Index

Date

On and off Northwest Territory Permits 4259, 4260, 4261
National Topographic Grid 107B

OIL & GAS OPERATIONS UNIT
Oil and Mineral Division
APR 14 1970
OTTAWA, CANADA
Dept. of Indian Affairs & Northern Development

APPROVED
APR 14 1970
OIL AND MINERAL DIVISION

Prepared By

E. Wicherts, P. Geoph.

June, 1969

Submitted in support of application for credit; see affidavit made by..... of..... and in accordance with Government Regulations under Section 45(3)(e) of the Territorial Lands Act.

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### List of Enclosures


1. Bouguer gravity map
2. Structure contour map top limestone
3. Calculated gravity map
4. Set of gravity station calculation sheets

## INTRODUCTION

In 1968 Pan American acquired an interest in a block of acreage near the town of Inuvik, N.W.T. The conditions of acquisition included the obligation to drill a well. The best way to transport a rig into the area is by barge along the MacKenzie River and thus the area nearest the river would for that reason be the prime exploration target.

Due to time and other limitations it was decided to explore the area by a combined seismic-gravity survey based on helicopter transport.

The location of the surveyed lines is indicated on the Bouguer gravity map (Encl. 1). Gravity was also measured along the banks of the MacKenzie. Beyond the survey lines gravity stations were placed by helicopter using barometric elevation control.

The terrain E of the Mackenzie river is slightly undulating with hills up to 450'. Vegetation is sparse and trees do not grow over 50 feet in height. At the time of survey the temperature varied between -10°and + 33°F.

## GEOLOGY

South of the town of Inuvik an anticlinal or uplifted situation has been mapped known as the "Campbell High". Outcrops of Devonian shales and limestones, Ordovician Silurian dolomites and Cambrian sediments have been mapped as indicated on enclosure 1.

Further north no other outcrop has been found but the area was thought to be underlain by Cretaceous shales. This was confirmed by the black bituminous shales collected by the author from shotholes. These shales have been dated Cretaceous in age.

To the west the recent sediments of the Mackenzie delta obscure effectively all other rocktypes. No wells have been drilled in the survey area.

In 1955 Hunting Ltd. conducted an airborne magnetic survey over the Mackenzie delta and the author interpreted the data (1968) and a depth to basement map was prepared. The map shows a great sedimentary thickness in the Inuvik area, 22,000'; part of the basement depth map has been reproduced here as enclosure 4.

No evidence was found of a basement high below the Campbell High which was remarkable since all other geological positives in the Mackenzie delta are also positives on the magnetic basement map. We suggest at the time that the Campbell High could be partially caused by evaporate techonics; the assumption was also supported by the known presence of gypsum domes in the delta near Aklavik. Since that time it was learned that thick sections of Proterozoic salt have been drilled near Norman wells some 200 miles south of Inuvik.

A seismic section was available running from a point near Inuvik airport in a SE direction. The location of this line is indicated on enclosure 1. The upper major reflection on the section could be projected to the surface where the Devonian limestone outcrops thereby identifying the reflector. Another strong reflector occurs 500 MS below the Devonian and is strictly parallel to it; this lower reflector could be identified as the top of the Cambrian. The total of the measured sections near Inuvik of the Devonian, Ordovician, Silurian section is 5,400' which would produce an interval velocity of 21,600'/ sec. This high velocity corresponds to a high density probably 2.67 - 2.70.

FIELD OPERATIONS

The gravity contractor (Overland Exploration Services Ltd. of Calgary, Canada) was also responsible for the survey control of the seismic work.

Crews were based at Inuvik as well as the helicopters and pilots.

Crews, drills and instruments were airlifted to and inside the area of operations. After the initial (light) clearing of the survey lines no vehicular traffic was used except for two lightweight tracked personnel carriers. Government regulations require a careful treatment of the permafrost surface with regard to summer runoff.

Gravity surveying started on March 5th and was completed on May 3rd. A total of 783 stations were metered representing 90 miles of survey; this includes 71 helicopter located stations. Also included are the stations along the frozen E channel of the Mackenzie river which provided both a roadway and elevation control. It should be noted that the Mackenzie river line shows the smoothest gravity profile due to the absence of near surface disturbances.

The base level of the gravity survey was obtained by reoccupation of the Dominion Observatory gravity base station at Inuvik airport. The base value is: 982.503, 52 mg.

The survey was executed with a LaCoste and Romberg temperature controlled meter # 149. Data was reduced using 0.065 mg/' elevation factor representing a density of 2.3.

INTERPRETATION

The Pouguer gravity field is illustrated on enclosure 1. The field shows a rather regular dip towards the west and a series of sharp positives and negatives in the SE corner of the map. The observed gravity sections in enclosure 6 shows both topography and gravity.

The west dip of the gravity field was expected since the Mackenzie delta contains a great thickness of sediments; the sharp low however on the SE edge of the map was not foreseen and if the helicopter based station are correct a deep grabenlike structure should be located there!

Since the area is overlain by Cretaceous shales and underlain by Devonian and/or Ordivician limestone a major density contrast should be expected of 0.3 mg. The fairly constant strike direction of the gravity field north of Inuvik allows a two dimensional interpretation approach perpendicular to the observed field.

Three sections were constructed perpendicular to the field strike and two in north-south direction (Enclosures 5-1 to 5-5). In each case the observed gravity was plotted and a geological model constructed based on an increasing thickness of low density shale towards the west. It was also suggested by a qualitative interpretation that the N-S striking asymmetrical gravity highs were caused by the updip edges of limestone subcrops. These subcrops are not necessarily fault scarps; they could be the expression of an old erosion surface and therefore form a cuesta. The curved geographical shape supports this view.

Geological models were made on this basis and calculated gravity thereof plotted; the observed gravity could be matched fairly accurately as a study of the enclosed sections will show. (Enclosure 5-5 to 5-5).

The depth to the limestone interface was plotted and contoured (enclosure 2) which also required that the sections tied which is the case.

Finally the calculated gravity was plotted (enclosure 3). It will be seen that this matches the observed field closely. An accuracy analysis

shows that the average difference between the calculated and the observed gravity field is ± 0.37 mg. with a maximum deviation of + 1.2 and -1.0 mg. In terms of depth, using the equation for infinite sheet, it means that the structure contour map has an average difference of ± 100' with the actual depth and that the maximum deviation will be ± 300'. This is valid as long as the density contrast is constant and there is no reason to assume otherwise.

The graben - horst situation on the SE end of the survey area was interpreted on the basis of the helicopter stations (see enclosure 5-4) The deep graben (4400') is bounded by ENE-WSW striking faults and shallows to the west (enclosure 5-5). The major boundary fault will probably continue under the Mackenzie where it caused the sharp direction change of the river.

South of this area gravity information becomes insufficient but from the data at hand it is suggested that the structural conditions continue to form a graben-horst type environment.

It is noteworthy that the graben is located near the crest of the large anticlinal structure. Furthermore the constant thickness on the seismic section of the Top Devonian - Top Cambrian interval proves the structure to be non-depositional in nature. The uplift therefore must have occurred past Devonian an a graben structure near the top is to be expected.

The cause of the Campbell High could be Proterozoic evaporite movement. This would also explain the absence of a magnetic high over the area.

The graben is filled with post-Devonian, mainly Cretaceous shales, with a maximum thickness of 4400' B.S.L. The graben is open ended to the NE and will probably deepen in that direction. The updip end of the graben, near section IV may provide a drilling prospect for basal Cretaceous sands. The location is recommended as the best target in the area. The other locations would

be in the Mackenzie delta on the downside of the small fault as mapped (enclosure 2). The location however is located in the swamp and the shale section will be a 1000' less than the graben situation.

CONCLUSIONS

1. The gravity survey mapped the thickness of the Cretaceous shale effectively and cheaply.
2. The total cost of the survey, including interpretation, was about $13,000. Can.
3. A deep graben was discovered by a few gravity stations.
4. A well should be located in the graben to test the basal Cretaceous sands in updip position.
5. Some 50 helicopter based gravity stations should be placed to detail the graben structure.

E. Wicherts

June 9th, 1969

ACKNOWLEDGEMENTS

The author gratefully acknowledges the cooperation of Mr. T. Poleantu and Dr. R. De Wit for respectively the preparation of the geology map and general geological information of the area. The seismic section south of Inuvik was made available by Mr. W. D. LePay who will also compile the seismic work in the report area.

SHEET NO. 1

# OVERLAND EXPLORATION SERVICES LTD.
## GRAVITY METER CALCULATION SHEET

Job. [illegible] Inst. No. 142 Density

Date [illegible] Meter Const. 5700 1.04950 Comb. Free Air-Corr. Const. 0.065

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | |
| | | | | | | [illegible] |
| BASE G | [illegible] | 5772.72 | | | | |
| | | | | | | |
| BASE J | [illegible] | 5772.11 | | | | |
| | | | | | | |
| BASE H | [illegible] | 5772.11 | | | | |
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| [illegible] | [illegible] | [illegible] | | | | |
| [illegible] | | | | | | |
| 1 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | |
| 2 | [illegible] | 79.35 | [illegible] | [illegible] | [illegible] | |
| 3 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | |
| 4 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | |
| 5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | |
| 6 | 10:04 | 80.13 | [illegible] | [illegible] | [illegible] | |
| 7 | 10:07 | 79.96 | [illegible] | [illegible] | [illegible] | |
| 8 | 10:10 | 79.35 | [illegible] | [illegible] | [illegible] | [illegible] |
| | | | | | [illegible] | |
| BASE A | 10:25 | 78.67 | | | | |
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| STN ALTIMETER | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | |
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| | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | |
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| BASE P | 8:30 | 800 | + 24° | | | |
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| 575.1 | | | | | | |
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SHEET NO. 3

# OVERLAND EXPLORATION SERVICES LTD.
## GRAVITY METER CALCULATION SHEET

Job. INUVIK  Inst. No. 149  Density

Date MARCH 7/69  Meter Const. 5700  525.63 / 525.63 / 525.50  Comb. Free Air-Corr. Const.

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| BASE A | 9:25 | 78.61 | | | | |
| DR | [illegible] | [illegible] | | | | |
| R. 8 | 9:35 | 79.29 | [illegible] | +11.51 | [illegible] | [illegible] |
| 9 | 9:38 | 81.925 | [illegible] | +11.42 | [illegible] | [illegible] |
| 10 | 9:41 | 83.51 | [illegible] | +11.28 | [illegible] | 525.00 |
| 11 | 9:43 | 81.57 | [illegible] | +11.11 | [illegible] | [illegible] |
| 12 | 9:46 | 80.41 | [illegible] | +10.96 | [illegible] | [illegible] |
| 13 | 9:48 | 80.60 | [illegible] | +10.94 | [illegible] | [illegible] |
| 14 | 9:51 | 81.465 | [illegible] | +10.92 | [illegible] | [illegible] |
| 15 | [illegible] | [illegible] | [illegible] | +10.95 | [illegible] | [illegible] |
| 16 | 9:57 | 83.73 | [illegible] | +10.10 | [illegible] | [illegible] |
| 17 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 18 | [illegible] | [illegible] | [illegible] | +10.46 | [illegible] | [illegible] |
| 19 | [illegible] | [illegible] | [illegible] | +10.42 | [illegible] | [illegible] |
| 20 | [illegible] | [illegible] | [illegible] | +10.33 | [illegible] | [illegible] |
| 21 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 22 | 10:13 | [illegible] | [illegible] | +10.11 | 526.15 | [illegible] |
| 23 | 10:16 | [illegible] | [illegible] | +10.06 | 526.13 | [illegible] |
| 24 | 10:18 | [illegible] | | +9.90 | 526.10 | [illegible] |
| 25 | 10:21 | [illegible] | | [illegible] | 526.36 | [illegible] |
| 26 | 10:27 | [illegible] | | [illegible] | [illegible] | 526.21 |
| 27 | 10:30 | [illegible] | [illegible] | +9.40 | [illegible] | [illegible] |
| 28 | 10:36 | 89.22 | [illegible] | [illegible] | [illegible] | 525.58 |

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| 29 | 10:41 | 86.91 | [illegible] | +9.04 | [illegible] | [illegible] |
| 30 | 10:45 | 86.305 | [illegible] | +9.00 | 525.37 | 525.87 |
| 31 | 10:49 | [illegible] | [illegible] | +8.93 | [illegible] | [illegible] |
| 32 | 10:50 | [illegible] | [illegible] | +8.79 | [illegible] | [illegible] |
| 33 | 10:54 | 87.85 | [illegible] | +8.63 | [illegible] | [illegible] |
| 34 | [illegible] | 89.17 | [illegible] | +8.46 | [illegible] | [illegible] |
| 35 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 36 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| | | | | | | |
| BASE A | [illegible] | 78.50 | | | | |
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| 525.34 | | | | | | |
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SHEET NO. 3

# OVERLAND EXPLORATION SERVICES LTD.
## GRAVITY METER CALCULATION SHEET

Job. Hunter [illegible]-107 Inst. No. 149 Density

Date March 4/[illegible] Meter Const. Comb. Free Air-Corr. Const.

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| BASE A | [illegible] | 79.58 | 3 | [illegible] | | |
| 48 | [illegible] | [illegible] | | | | |
| 49 | 1:40 | 88.32 | 45.0 | [illegible] | [illegible] | 525.19 |
| 50 | 1:47 | 87.65 | 47.0 | [illegible] | [illegible] | [illegible] |
| 51 | [illegible] | 87.345 | 49.0 | [illegible] | [illegible] | [illegible] |
| 52 | 1:53 | 83.04 | 50.0 | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | 157.0 | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | 166.0 | [illegible] | [illegible] | [illegible] |
| 56 | [illegible] | [illegible] | 179.0 | [illegible] | [illegible] | 519.66 |
| 57 | [illegible] | [illegible] | 213.0 | [illegible] | [illegible] | [illegible] |
| 58 | [illegible] | [illegible] | 245.0 | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | 47.0 | [illegible] | [illegible] | [illegible] |
| 60 | [illegible] | [illegible] | 273.0 | [illegible] | [illegible] | [illegible] |
| 61 | [illegible] | [illegible] | 327.0 | [illegible] | [illegible] | [illegible] |
| 62 | [illegible] | [illegible] | 386.0 | [illegible] | | [illegible] |
| 63 | [illegible] | [illegible] | 439.0 | [illegible] | [illegible] | 532.11 |
| [illegible] | [illegible] | 75.19 | [illegible] | [illegible] | [illegible] | [illegible] |
| | | | | | | |
| BASE B | [illegible] | 70.[illegible] | 235.0 | [illegible] | | |

| STN | TIME | INST. READING | ELEVATION (TEMP / BASE ALTIMETER) | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| [illegible] | [illegible] | 963 | +58° | 1:25 | 963 | +58° |
| | | | | | | |
| 50 | 1:43 | 762 | +46 | 1:40 | 965 | +44° |
| 51 | [illegible] | 764 | +44 | | | |
| 52 | [illegible] | 766 | +42 | 1:55 | 962 | +[illegible] |
| 53 | [illegible] | 767 | +40 | | | |
| [illegible] | [illegible] | [illegible] | +39 | 2:10 | [illegible] | +37° |
| [illegible] | [illegible] | [illegible] | [illegible] | | | |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | +37° |
| 57 | [illegible] | [illegible] | +31 | | | |
| 58 | [illegible] | [illegible] | +30 | [illegible] | [illegible] | [illegible] |
| 59 | [illegible] | [illegible] | [illegible] | | | |
| 60 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 61 | [illegible] | [illegible] | [illegible] | | | |
| 62 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 63 | [illegible] | [illegible] | [illegible] | | | |
| [illegible] | [illegible] | 963 | [illegible] | [illegible] | [illegible] | [illegible] |
| | | | | | | |
| BASE B | [illegible] | [illegible] | [illegible] | 3:36 | 963 | [illegible] |

SHEET NO. 4

# OVERLAND EXPLORATION SERVICES LTD.
## GRAVITY METER CALCULATION SHEET

Job. INUVIK  Inst. No. 149  Density

Date  Meter Const. 5700  Comb. Free Air-Corr. Const.

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| BASE A | 3:50 | 78.52 | 238.0 | +12.16 | | |
| 44 Picket Sta. | | | | | | |
| R. 50 | 4:03 | [illegible] | 450 | +12.63 | [illegible] | 526.63 |
| 64 | 4:11 | 63.05 | 451.0 | +13.40 | [illegible] | 530.20 |
| 65 | 4:19 | 77.97 | 202.0 | +15.35 | [illegible] | 521.52 |
| 66 | [illegible] | 66.36 | 400.0 | +15.15 | 528.12 | [illegible] |
| 67 | [illegible] | 65.76 | 464.0 | +15.04 | [illegible] | 561.91 |
| 68 | [illegible] | 64.28 | 416.0 | +14.85 | [illegible] | 531.31 |
| 69 | [illegible] | 63.16 | 473.0 | +14.76 | 531.21 | 531.17 |
| 70 | [illegible] | [illegible] | 454.0 | +14.69 | [illegible] | [illegible] |
| 71 | 5:00 | 76.59 | 291.0 | +14.42 | [illegible] | [illegible] |
| 72 | 5:07 | 62.36 | 498.0 | +14.61 | [illegible] | [illegible] |
| 73 | [illegible] | 64.79 | 430.0 | +14.42 | [illegible] | [illegible] |
| 74 | [illegible] | [illegible] | 225.0 | +14.33 | [illegible] | 519.67 |
| 75 | 5:21 | 71.62 | 333.0 | +14.24 | [illegible] | [illegible] |
| 76 | 5:23 | [illegible] | 145.0 | +13.79 | [illegible] | [illegible] |
| R-71 | 5:27 | 76.56 | 291 | +14.42 | 520.53 | [illegible] |
| | | | | | | |
| BASE A | 5:58 | 78.66 | 238.0? | +12.16 | | |

| STN ALTIMETER | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| BASE ALTIMETER | | | | | | |
| BASE A | 3:51 | 992 | +21 | 3:55 | 991 | +23° |
| | | | | | | |
| R-50 | 4:04 | 792 | +20 | | | |
| 64 | 4:12 | 1367 | +19 | 4:10 | 992 | +20 |
| 65 | 4:19 | 945 | +19 | | | |
| 66 | 4:28 | 1213 | +18 | 4:25 | 996 | +18 |
| 67 | 4:34 | 1193 | +18 | | | |
| 68 | 4:40 | 1377 | +17 | 4:40 | 1000 | +17 |
| 69 | 4:46 | 1299 | +17 | | | |
| 70 | 4:54 | 1288 | +16 | 4:55 | 1000 | +16 |
| 71 | 5:01 | 1061 | +16 | | | |
| 72 | 5:08 | 1337 | +16 | 5:10 | 1001 | +15 |
| 73 | 5:16 | [illegible] | +16 | | | |
| 74 | [illegible] | [illegible] | +15 | 5:25 | 1001 | +14 |
| 75 | 5:28 | [illegible] | +15 | | | |
| 76 | 5:30 | 911 | +14 | 5:30 | 1001 | +13 |
| R-71 | [illegible] | 1064 | +14 | | | |
| | | | | | | |
| BASE A | 5:58 | 1002 | +13 | 5:55 | 1001 | +13 |

SHEET NO. 5

# OVERLAND EXPLORATION SERVICES LTD.
## GRAVITY METER CALCULATION SHEET

Job. INUVIK  Inst. No. 149  Density

Date MARCH 8/69  Meter Const. 5700  Comb. Free Air-Corr. Const.

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| BASE A | 10:34 | 78.66 | | | | |
| Adjust | | | | | | |
| R-12 | 10:40 | 80.47 | [illegible] | +10.96 | 525.73 | 526.52 |
| R-21 | 10:50 | 87.0[illegible] | [illegible] | +10.15 | 525.38 | 525.78 |
| R-36 | 11:01 | 89.48 | [illegible] | +8.05 | 525.09 | [illegible] |
| 37 | 11:06 | 89.84 | [illegible] | +7.70 | 524.94 | 525.28 |
| 38 | 11:12 | 89.33 | [illegible] | +7.60 | 525.26 | 525.66 |
| 39 | 11:17 | 90.14 | [illegible] | +7.32 | 525.51 | [illegible] |
| 40 | 11:19 | 90.74 | [illegible] | +7.18 | 525.53 | [illegible] |
| 41 | 11:23 | 91.83 | [illegible] | +6.97 | 525.62 | 525.91 |
| 42 | 11:25 | 92.03 | [illegible] | +6.81 | 525.90 | 526.44 |
| 43 | 11:28 | 91.10 | [illegible] | +6.54 | 525.83 | [illegible] |
| 44 | 11:31 | 91.57 | [illegible] | +6.35 | 526.23 | 526.62 |
| 45 | 11:34 | 92.23 | [illegible] | +6.12 | 526.45 | [illegible] |
| 46 | 11:37 | 92.01 | [illegible] | +5.92 | 526.65 | [illegible] |
| 47 | [illegible] | 91.98 | [illegible] | +5.72 | 526.8[illegible] | [illegible] |
| 48 | 11:43 | 93.375 | [illegible] | +5.47 | 526.[illegible] | [illegible] |
| 49 | 11:46 | 93.99 | [illegible] | +5.2[illegible] | 526.54 | [illegible] |
| R 36 | 11:55 | 89.48 | [illegible] | +8.05 | 525.10 | [illegible] |
| | | | | | | |
| BASE A | 12:15 | 78.55 | | | | |
| | | | | | | |
| | | | | | | |

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| | | | | | | |

SHEET NO. 6

# OVERLAND EXPLORATION SERVICES LTD.
## GRAVITY METER CALCULATION SHEET

Job. INUVIK  Inst. No. 149  Density

Date MARCH 9/69  Meter Const. 5700  Comb. Free Air-Corr. Const.

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| BASE A | 1:54 | 78.63 | 218 | 115.16 | | |
| | | | | | | |
| R 59 | 2:08 | 87.03 | 47.0 | 115.17 | 521.56 | 527.73 |
| 77 | 2:15 | 84.93 | 44.0 | 115.21 | [illegible] | [illegible] |
| 78 | 2:22 | 84.75 | 43.0 | 115.26 | 524.77 | 524.94 |
| 79 | 2:28 | 86.51 | 40.0 | 115.29 | [illegible] | 525.31 |
| 80 | 2:34 | 83.56 | 97.0 | 115.33 | 527.30 | 527.68 |
| 81 | 2:46 | 68.16 | 440.0 | 115.35 | 530.45 | [illegible] |
| 82 | [illegible] | 76.51 | 217.0 | 115.35 | 530.37 | [illegible] |
| 83 | 2:59 | [illegible] | 226.0 | 115.35 | [illegible] | [illegible] |
| 84 | 3:06 | 81.35 | 225.0 | 115.38 | 529.69 | [illegible] |
| 85 | 3:13 | 79.25 | 238.0 | 115.37 | [illegible] | [illegible] |
| 86 | 3:23 | 80.65 | 235.0 | 115.39 | [illegible] | 531.30 |
| 87 | 3:29 | 68.17 | 432.0 | 115.39 | 530.37 | [illegible] |
| 88 | 3:37 | [illegible] | 234.0 | 115.34 | [illegible] | [illegible] |
| 89 | [illegible] | 71.76 | 236.0 | 115.36 | [illegible] | [illegible] |
| R 79 | [illegible] | [illegible] | 40 | 115.39 | 526.37 | [illegible] |
| R 71 | 3:59 | 76.37 | 241 | 115.43 | [illegible] | [illegible] |
| | | | | | | |
| BASE A | 4:09 | 78.66 | 218? | 115.16 | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| STN ALTIMETER | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| BASE A | 1:54 | 991 | +24° | 1:54 | 991 | +24° |
| | | | | | | |
| R 59 | 2:09 | 786 | +24 | [illegible] | 990 | +25 |
| 77 | 2:16 | 791 | +24 | | | |
| 78 | 2:23 | 790 | +24 | 2:24 | 995 | +23 |
| 79 | 2:29 | 786 | +25 | | | |
| 80 | 2:35 | 847 | +25 | 2:50 | 991 | +40 |
| 81 | 2:47 | 1213 | +25 | | | |
| 82 | 2:53 | 1049 | +25 | 2:54 | 990 | +28 |
| 83 | [illegible] | [illegible] | +25 | | | |
| 84 | [illegible] | 949 | +24 | 3:09 | [illegible] | +39 |
| 85 | [illegible] | 991 | +25 | | | |
| 86 | [illegible] | 988 | +30 | [illegible] | 996 | +39 |
| 87 | 3:30 | 1206 | +31 | | | |
| 88 | 3:38 | 934 | +27 | 3:39 | 995 | +30 |
| 89 | [illegible] | 1147 | +26 | | | |
| R 79 | [illegible] | 1142 | +24 | 3:54 | 991 | +40 |
| R 71 | 4:00 | 1058 | +26 | | | |
| | | | | | | |
| BASE A | 4:09 | 990 | +24 | 1:09 | 993 | [illegible] |
| | | | | | | |
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SHEET NO. 7

# OVERLAND EXPLORATION SERVICES LTD.
## GRAVITY METER CALCULATION SHEET

Job. [illegible] Inst. No. 149 Density

Date [illegible] Meter Const. 5700 Comb. Free Air-Corr. Const.

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| BASE A | 4:22 | 79.66 | 248.0 | +12.16 | | |
| | | | | | | |
| B 60 | 4:41 | 72.43 | 273.0 | +15.45 | 527.71 | [illegible] |
| 90 | 4:50 | 70.53 | 333.0 | +14.46 | 528.05 | [illegible] |
| 91 | 4:59 | 71.91 | 348.0 | +14.45 | 527.80 | 531.18 |
| 92 | 5:08 | [illegible] | 328.0 | +14.44 | 529.80 | 531.10 |
| 93 | 5:14 | 72.65 | 339.0 | +14.65 | 530.01 | 531.30 |
| 94 | [illegible] | [illegible] | 217.0 | +13.97 | 529.32 | [illegible] |
| 95 | [illegible] | [illegible] | 171.0 | +13.76 | 529.94 | [illegible] |
| 96 | [illegible] | 72.51 | 315.0 | +13.39 | [illegible] | [illegible] |
| 97 | [illegible] | [illegible] | 368.0 | +13.90 | 529.36 | [illegible] |
| [illegible] | [illegible] | [illegible] | 157.0 | +14.04 | 528.96 | 529.52 |
| R 76 | [illegible] | 81.10 | 145.0 | +13.79 | 527.76 | 526.27 |
| | | | | | | |
| BASE A | 6:08 | 79.37 | 235? | +12.16 | | |

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| BASE A | 4:31 | 911 | +27 | 4:32 | 911 | +39 |
| | | | | | | |
| B 60 | [illegible] | 1012 | +27 | 4:39 | 911 | +37 |
| 90 | [illegible] | 1085 | +27 | | | |
| 91 | 4:59 | 1100 | +27 | [illegible] | 910 | +37 |
| 92 | [illegible] | 1076 | +27 | | | |
| 93 | [illegible] | 1098 | +27 | 5:09 | 971 | +36 |
| 94 | [illegible] | 1081 | +27 | | | |
| 95 | [illegible] | 993 | +26 | [illegible] | [illegible] | [illegible] |
| 96 | [illegible] | [illegible] | +25 | | | |
| 97 | [illegible] | 1151 | +23 | [illegible] | 969 | +29 |
| R 41 | [illegible] | [illegible] | [illegible] | | | |
| R 76 | [illegible] | 820 | +20 | [illegible] | [illegible] | [illegible] |
| | | | | | | |
| BASE A | 6:08 | [illegible] | +19 | 6:08 | 970 | [illegible] |

TEMP. | BASE ALTIMETER

SHEET NO. 8

# OVERLAND EXPLORATION SERVICES LTD.
## GRAVITY METER CALCULATION SHEET

Job. TANTER  Inst. No. 149  Density

Date MARCH 9/69  Meter Const. 5700. 1.04950  Comb. Free Air-Corr. Const.

LINE # 1

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | TERRAIN |
|---|---|---|---|---|---|---|
| P.55A | 1:50 | 78.65 | | | | |
| CGS | | | | | | |
| LINE #1 - 1 | 1:53 | [illegible] | [illegible] | +9.90 | [illegible] | 526.65 |
| 2 | 2:05 | 78.28 | [illegible] | +9.90 | 526.24 | [illegible] |
| 3 | 2:09 | 66.70 | [illegible] | +9.43 | 525.94 | 527.72 |
| 4 | 2:13 | 65.65 | [illegible] | +9.39 | 526.12 | [illegible] |
| 5 | 2:18 | 67.98 | [illegible] | +9.19 | 526.56 | 525.31 |
| 6 | 2:24 | 69.53 | [illegible] | +10.09 | 526.78 | [illegible] |
| 7 | 2:30 | 79.75 | [illegible] | [illegible] | 526.71 | [illegible] |
| 8 | 2:38 | 79.40 | [illegible] | [illegible] | [illegible] | [illegible] |
| 9 | 2:46 | 68.00 | [illegible] | [illegible] | 526.16 | [illegible] |
| 10 | 2:52 | 68.49 | [illegible] | [illegible] | 526.20 | 527.96 |
| 11 | 2:58 | 64.87 | [illegible] | +7.91 | [illegible] | [illegible] |
| 12 | [illegible] | 68.00 | [illegible] | [illegible] | [illegible] | 527.78 |
| 13 | [illegible] | 68.00 | [illegible] | +7.53 | [illegible] | 527.74 |
| 14 | [illegible] | 69.[illegible] | [illegible] | +7.35 | 525.42 | 527.75 |
| 15 | [illegible] | 74.8[illegible] | [illegible] | +7.12 | [illegible] | [illegible] |
| 17 | 3:33 | 69.39 | [illegible] | +6.[illegible] | [illegible] | [illegible] |
| 19 | [illegible] | [illegible] | [illegible] | +6.11 | 525.9[illegible] | [illegible] |
| 21 | 3:36 | 74.9[illegible] | [illegible] | +[illegible] | 526.26 | 526.[illegible] |
| 23 | 3:40 | [illegible] | [illegible] | +[illegible] | [illegible] | 526.30 |
| 25 | 3:43 | 70.69 | [illegible] | +[illegible] | 525.62 | [illegible] |
| 27 | 3:54 | [illegible] | [illegible] | +5.92 | 526.16 | 527.91 |

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| B 5 | 4:03 | 68.07 | [illegible] | +9.19 | 526.59 | 528.35 |
| | | | | | | |
| BASE A | 4:10 | 78.73 | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| 528.41 | | | | | | |
| 527.75 | | | | | | |
| 526.66 | | | | | | |
| 527.95 | | | | | | |
| | | | | | | |
| 527.31 | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| 527.10 | | | | | | |
| [illegible] | | | | | | |
| | | | | | | |
| 527.73 | | | | | | |
| 527.71 | | | | | | |
| 527.34 | | | | | | |
| | | | | | | |

SHEET NO. 9

# OVERLAND EXPLORATION SERVICES LTD.
## GRAVITY METER CALCULATION SHEET

Job. [illegible] Inst. No. [illegible] Density

Date MARCH 10/69 Meter Const. 5700 Comb. Free Air-Corr. Const.

LINE 1

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | [illegible] |
|---|---|---|---|---|---|---|
| BASE A | 3:50 | 78.66 | | | | |
| LINE 1 | | | | | | |
| B-55 | 4:03 | 70.59 | [illegible] | +6.12 | [illegible] | [illegible] |
| 29 | [illegible] | 69.79 | [illegible] | +5.11 | [illegible] | [illegible] |
| 31 | 4:16 | 70.20 | [illegible] | +5.51 | [illegible] | [illegible] |
| 33 | [illegible] | 72.56 | [illegible] | +5.22 | [illegible] | [illegible] |
| 35 | 4:22 | 73.60 | [illegible] | +5.11 | [illegible] | 225.40 |
| 110 | [illegible] | 94.65 | 179.9 | | | |
| 111 | [illegible] | 95.11 | 178.8 | | | |
| 112 | [illegible] | 95.04 | 179.1 | | | |
| 113 | [illegible] | 94.96 | 178.5 | [illegible] | | |
| 114 | [illegible] | 94.37 | 179.9 | [illegible] | | |
| 115 | [illegible] | 94.91 | [illegible] | | | |
| 116 | [illegible] | 95.87 | 178.8 | | | |
| | | | | | | |
| [illegible] | [illegible] | 78.70 | [illegible] | | | |
| | | | [illegible] | | | |

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | [illegible] |
|---|---|---|---|---|---|---|
| [illegible] | [illegible] | [illegible] | +31' | [illegible] | [illegible] | [illegible] |
| | | | | | | |
| [illegible] | | | | [illegible] | [illegible] | [illegible] |
| | | | | | | |
| | | | | [illegible] | [illegible] | [illegible] |
| | | | | | | |
| [illegible] | +38 | 123 | +17 | [illegible] | [illegible] | [illegible] |
| | [illegible] | [illegible] | [illegible] | | | |
| | [illegible] | 618 | [illegible] | 4:56 | [illegible] | [illegible] |
| | [illegible] | 618 | [illegible] | | | |
| | [illegible] | 617 | +20 | [illegible] | [illegible] | [illegible] |
| | [illegible] | [illegible] | +19 | | | |
| | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| | [illegible] | [illegible] | [illegible] | | | |
| | | | | [illegible] | [illegible] | |
| | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| | | | | | | |
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SHEET NO. 10

# OVERLAND EXPLORATION SERVICES LTD.
## GRAVITY METER CALCULATION SHEET

Job. INUVIK  Inst. No. 149  Density

Date MARCH 13/69  Meter Const. 5700 1.07450  Comb. Free Air-Corr. Const.

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| BASE A | 11:45 | 78.82 | | | | |
| | | | | | | |
| B[illegible]25 | 11:59 | 70.78 | [illegible] | | | |
| BASE C | 12:04 | 73.14 | | | | TWO FLAGS [illegible] |
| | | | | | | |
| [illegible] | 12:06 | 78.83 | | | | |
| | | | | | | |
| [illegible] C | 12:07 | 73.15 | | | | |
| | | | | | | |
| BASE D | 12:11 | 78.85 | | | | |
| | | | | | | |
| BASE F | [illegible] | 94.15 | | | | TWO FLAGS [illegible] |
| | | | | | | |
| BASE [illegible] | [illegible] | 78.30 | | | | |
| | | | | | | |
| BASE A | 2:17 | 78.90 | | | | |
| | | | | | | |
| BASE F | 2:42 | 94.20 | | | | |
| | | | | | | |
| BASE [illegible] | [illegible] | 78.92 | | | | |
| | | | | | | |
| BASE F | 3:36 | 94.24 | | | | |
| | | | | | | |

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| BASE D | 3:25 | 78.95 | | | | |
| | | | | | | |
| BASE F | 4:00 | 94.28 | | | | |
| | | | | | | |
| BASE C | 4:10 | 73.30 | | | | |
| | | | | | | |
| BASE F | 4:30 | 94.29 | | | | |
| | | | | | | |
| BASE C | 4:50 | 73.29 | | | | |
| | | | | | | |
| BASE F | [illegible] | 94.31 | | | | |

SHEET NO. 11

# OVERLAND EXPLORATION SERVICES LTD.
## GRAVITY METER CALCULATION SHEET

Job. INUVIK  Inst. No. 149  Density

Date MARCH 14/68  Meter Const. 5700  Comb. Free Air-Corr. Const.

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| BASE A | 12:08 | 78.22 | | | | |
| | | | | | | |
| BASE B | 12:26 | 83.65 | | | | [illegible] |
| | | | | | | |
| BASE A | 12:33 | 79.02 | | | | |
| | | | | | | |
| BASE B | 12:42 | 83.66 | | | | |
| | | | | | | |
| BASE A | 12:53 | 79.03 | | | | |
| | | | | | | |
| BASE B | 1:02 | 83.67 | | | | |
| | | | | | | |
| BASE C | 1:10 | 73.37 | | | | |
| | | | | | | |
| BASE B | 1:21 | 83.67 | | | | |
| | | | | | | |
| BASE C | [illegible] | 73.38 | | | | |
| | | | | | | |
| BASE B | 1:50 | 83.68 | | | | |
| | | | | | | |
| BASE C | 1:57 | 73.37 | | | | |
| | | | | | | |
| BASE D | [illegible] | 91.67 | | | | [illegible] |

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| BASE C | 2:16 | 73.38 | | | | |
| | | | | | | |
| BASE D | 2:24 | 91.68 | | | | |
| | | | | | | |
| BASE C | 2:34 | 73.37 | | | | |
| | | | | | | |
| BASE E | 2:26 | 87.47 | | | | STA. 65 |
| | | | | | | |
| BASE D | [illegible] | 91.67 | | | | |
| | | | | | | |
| BASE E | 3:41 | 87.48 | | | | |
| | | | | | | |
| BASE D | 3:47 | 91.68 | | | | |
| | | | | | | |
| BASE E | [illegible] | 87.48 | | | | |
| | | | | | | |
| BASE F | 4:03 | 94.30 | | | | |
| | | | | | | |
| BASE E | 4:08 | 87.49 | | | | |
| | | | | | | |
| BASE F | 4:15 | 94.39 | | | | |
| | | | | | | |
| BASE E | 4:21 | 87.48 | 227.45 | +2.11 | 525.72 | |

SHEET NO. 12

# OVERLAND EXPLORATION SERVICES LTD.
## GRAVITY METER CALCULATION SHEET

Job. INUVIK  Inst. No. 149  Density

Date MARCH 14/69  Meter Const. 5700  Comb. Free Air-Corr. Const.

LINE #1

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | | STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 85 | 4:30 | 98.17 | [illegible] | +0.46 | [illegible] | [illegible] | 523.90 | | | | | | |
| 83 | 4:34 | 96.26 | [illegible] | +0.63 | 524.02 | | [illegible] | | | | | | |
| 81 | 4:40 | 93.93 | [illegible] | +0.79 | [illegible] | 523.79 | [illegible] | | | | | | |
| 79 | 4:52 | 93.0[illegible] | [illegible] | +0.95 | [illegible] | 523.25 | [illegible] | | | | | | |
| 77 | 5:00 | 94.8[illegible] | [illegible] | +1.11 | [illegible] | | [illegible] | | | | | | |
| 75 | 5:05 | 94.49 | [illegible] | +1.27 | [illegible] | | 525.42 | | | | | | |
| 73 | 5:09 | 94.65 | [illegible] | +1.42 | [illegible] | | 525.54 | | | | | | |
| | | | | | | | | | | | | | |
| [illegible] | 5:15 | 87.47 | 227.45 | +2.11 | [illegible] | | | | | | | | |

SHEET NO. 13

# OVERLAND EXPLORATION SERVICES LTD.
## GRAVITY METER CALCULATION SHEET

Job. [illegible] Inst. No. 142 Density

Date [illegible] 15/62 Meter Const. 5700 Comb. Free Air-Corr. Const.

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| BASE E | 8:51 | 87.49 | | | | |
| | | | | | | |
| BASE A | 9:05 | 79.10 | | | | |
| | | | | | | |
| BASE E | 9:17 | 87.50 | | | | |
| | | | | | | |
| BASE A | 9:35 | 79.12 | | | | |
| | | | | | | |
| BASE E | 9:55 | 87.54 | | | | |
| | | | | | | |
| BASE C | 10:01 | 73.44 | | | | |
| | | | | | | |
| R 35 | 10:13 | 74.02 | [illegible] | +5.11 | 525.09 | 525.48 |
| 37 | [illegible] | 78.96 | [illegible] | +4.90 | [illegible] | [illegible] |
| 39 | [illegible] | 78.47 | [illegible] | +4.71 | [illegible] | [illegible] |
| 41 | [illegible] | 75.04 | [illegible] | +4.51 | [illegible] | 526.02 |
| | | | | | | |
| BASE C | 10:41 | 73.46 | | | | |
| | | | | | | |
| BASE A | 10:48 | 79.16 | | | | |
| | | | | | | |
| BASE C | 4:05 | 73.52 | | | | |
| | | | | | | |

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| R 41 | 4:12 | 78.11 | [illegible] | +4.51 | 525.[illegible] | 526.02 |
| 43 | 4:16 | 79.90 | [illegible] | +4.32 | [illegible] | [illegible] |
| 45 | 4:23 | 83.68 | [illegible] | +4.12 | [illegible] | [illegible] |
| 47 | 4:29 | 91.47 | 152.91 | +3.93 | [illegible]74 | 527.35 |
| 48 | | | | | (41) | 527.23 |
| BASE D | 4:33 | 91.83 | 150.1 | | (43) | 527.64 |
| | | | | | | |
| 49 | [illegible] | 93.15 | 134.[illegible] | +3.70 | [illegible]27.0[illegible] | [illegible] |
| 51 | [illegible] | 94.44 | 116.40 | +3.51 | [illegible] | 527.53 |
| | | | | | | |
| BASE C | 4:54 | 73.52 | | | | |
| | | | | | | |
| [illegible] | | | | | | |
| [illegible] | | | | | | |
| [illegible] | | | | | | |
| [illegible] | | | | | | |

SHEET NO. 14

# OVERLAND EXPLORATION SERVICES LTD.
## GRAVITY METER CALCULATION SHEET

Job. INUVIK  Inst. No. 149  Density

Date MARCH 16/69  Meter Const. 5700  Comb. Free Air-Corr. Const.

LINE 1

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| BASE | 8:50 | 97.65 | 227.75 | +2.11 | 525.72 | |
| | | | | | | |
| B 51 | 8:58 | 94.46 | 117.40 | +3.51 | 527.02 | |
| 53 | [illegible] | 94.28 | [illegible] | +3.32 | [illegible] | |
| 55 | 9:12 | 94.54 | 117.00 | +3.12 | [illegible] | |
| 57 | 9:15 | 94.54 | [illegible] | +2.91 | [illegible] | |
| 59 | 9:25 | 94.44 | 117.[illegible] | +2.70 | [illegible] | |
| 61 | [illegible] | 93.26 | [illegible] | +2.51 | [illegible] | 526.12 |
| 63 | [illegible] | 93.23 | [illegible] | +2.31 | [illegible] | 526.01 |
| (Base) 65 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| | | | | | | |
| 67 | [illegible] | 92.19 | 117.10 | +1.59 | [illegible] | 525.32 |
| 69 | [illegible] | [illegible] | [illegible] | +1.74 | [illegible] | |
| 71 | [illegible] | [illegible] | [illegible] | +1.58 | [illegible] | |
| B 73 | [illegible] | 94.85 | [illegible] | +1.42 | [illegible] | |
| B 73 | [illegible] | 94.[illegible] | [illegible] | +1.42 | [illegible] | [illegible] |
| | | | | | | |
| BASE E | [illegible] | 97.61 | [illegible] | [illegible] | 525.72 | [illegible] |
| | | | | | | |
| B 39 | 8:10 | 78.65 | 234.01 | +4.71 | | |
| | | | | | | |
| BASE C | 5:17 | 73.64 | | | | |
| | | | | | | |

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| | | | | | | |
| | | | | | | |
| [illegible] | | | | | | |
| 527.28 | | | | | | |
| 527.22 | | | | | | |
| [illegible] | | | | | | |
| 526.78 | | | | | | |
| 526.44 | | | | | | |
| 526.45 | | | | | | |
| [illegible] | | | | | | |
| | | | | | | |
| [illegible] | | | | | | |
| [illegible] | | | | | | |
| 525.88 | | | | | | |
| 525.54 | | | | | | |
| 525.54 | | | | | | |
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C.N. Bell

Re-do using 0.069

# OVERLAND EXPLORATION SERVICES LTD.
## GRAVITY METER CALCULATION SHEET

SHEET NO. 1

Job. INUVIK  Inst. No. 149  Density

Date 14 APRIL 69  Meter Const. 1.0-950  Comb. Free Air-Corr. Const. 0.065

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | Terrain Corr. |
|---|---|---|---|---|---|---|
| Bs D | 8.33 | 5791.51 | 150.1 | +3.91 | | 527.61 |
| 4-54 | 8.44 | 89.71 | 152.6 | [illegible] | [illegible] | 527.79 |
| 4-53 | 8.55 | 84.59 | [illegible] | [illegible] | T.C. .07 527.05 | 528.01 528.02 |
| 4-52 | 9.05 | 83.61 | 153.6 | [illegible] | T.C. .07 527.06 | 528.11 528.12 |
| 4-51 | 9.12 | 82.23 | [illegible] | [illegible] | T.C. .10 527.05 | 528.27 528.17 |
| 4-50 | 9.19 | 81.92 | | [illegible] | T.C. .09 527.07 | 528.32 527.22 |
| 4-49 | 9.29 | 79.96 | [illegible] | 13.44 | T.C. .19 527.05 | 527.42 528.23 |
| 4-48 | 9.39 | 83.25 | [illegible] | [illegible] | T.C. .12 527.09 | 528.25 528.1[illegible] |
| 4-47 | 9.50 | 83.32 | [illegible] | [illegible] | T.C. .12 527.06 | 528.23 528.11 |
| 4-46 | 9.58 | [illegible] | | 13.22 | [illegible] | 528.43 |
| R-BsD' | 10.04 | 91.615 | 150.1 | +3.91 | | |
| R4-46 | 10.13 | [illegible] | [illegible] | +13.22 | [illegible] | 528.15 |
| 4-45 | 10.23 | 75.32 | 424.6 | [illegible] | [illegible] | 528.66 |
| 4-44 | 10.29 | 74.35 | [illegible] | [illegible] | [illegible] | [illegible] |
| 4-43 | 10.37 | 74.06 | [illegible] | [illegible] | 527.16 | 528.27 |
| 4-42 | 10.44 | [illegible] | [illegible] | [illegible] | [illegible] | 529.10 |
| 4-41 | 10.51 | 72.73 | [illegible] | [illegible] | [illegible] | [illegible] |
| 4-40 | 10.58 | 73.44 | [illegible] | [illegible] | [illegible] | 529.16 |
| 4-39 | 11.07 | 72.645 | [illegible] | [illegible] | [illegible] | 529.26 |
| 4-38 | 11.14 | 75.45 | [illegible] | [illegible] | 527.62 | 529.29 |
| 4-37 | 11.21 | 75.525 | [illegible] | [illegible] | 527.71 | [illegible] |
| 4-36 | 11.28 | 75.30 | 452.2 | [illegible] | 528.02 | 529.53 |
| 4-35 | 11.35 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| 4-34 | 11.42 | 74.095 | [illegible] | [illegible] | 527.72 | 529.[illegible] |
| 4-33 | 11.52 | 75.35 | [illegible] | +1.18 | 528.15 | 529.97 |
| R-BsD' | 12.02 | 91.53 | | | | |
| R-4-33 | 12.11 | 75.345 | 457.06 | [illegible] | [illegible] | 529.97 |
| 4-32 | 12.18 | 73.39 | [illegible] | [illegible] | 527.82 | 529.75 |
| 4-31 | 12.24 | [illegible] | [illegible] | [illegible] | [illegible] | 530.01 |
| 4-30 | 12.30 | 73.10 | [illegible] | [illegible] | [illegible] | 530.22 |
| 4-29 | 12.36 | [illegible] | [illegible] | [illegible] | [illegible] | 530.43 |
| 4-28 | 12.43 | 71.83 | [illegible] | [illegible] | 525.37 | 530.47 |
| 4-27 | 12.49 | 73.55 | [illegible] | [illegible] | [illegible] | 530.51 |
| 4-26 | 12.56 | 73.23 | [illegible] | [illegible] | [illegible] | 530.95 |
| 4-25 | 1.02 | 74.48 | [illegible] | [illegible] | [illegible] | 531.22 |
| 4-24 | 1.08 | 74.10 | [illegible] | [illegible] | 529.74 | 531.26 |
| 4-23 | 1.14 | [illegible] | | [illegible] | 529.49 | 531.42 |
| 4-22 | 1.20 | 78.72 | [illegible] | [illegible] | 527.[illegible] | 531.57 |
| 4-21 | 1.26 | 80.24 | [illegible] | [illegible] | [illegible] | 531.75 |
| 4-20 | 1.32 | 80.47 | [illegible] | [illegible] | [illegible] | 531.80 |
| 4-19 | 1.40 | 80.15 | [illegible] | [illegible] | [illegible] | 531.[illegible] |
| 4-18 | 1.47 | 77.32 | [illegible] | [illegible] | [illegible] | [illegible] |
| 4-17 | 1.52 | 78.38 | [illegible] | [illegible] | 530.06 | 531.87 |
| R-BsD | 2.01 | 91.54 | 150.1 | [illegible] | | |
| R4-17 | 2.11 | 78.38 | [illegible] | [illegible] | [illegible] | 531.87 |
| 4-16 | 2.17 | 77.71 | 159.5 | [illegible] | 529.76 | 531.62 |

CBoll

SHEET NO. 2

# OVERLAND EXPLORATION SERVICES LTD.
## GRAVITY METER CALCULATION SHEET

Job. INUVIK Inst. No. 149 Density

Date 14 APRIL 69 Meter Const. Comb. Free Air-Corr. Const.

| STN | TIME | INST. READING | ELEVA-TION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| 4-15 | 2.24 | 78.89 | [illegible] | +1.11 | 529.80 | 531.[illegible] |
| 4-14 | 2.31 | 79.76 | [illegible] | +1.06 | [illegible] | [illegible] |
| 4-13 | 2.38 | [illegible] | [illegible] | +1.01 | [illegible] | 531.43 |
| 4-12 | 2.46 | 78.675 | [illegible] | [illegible] | [illegible] | [illegible] |
| 4-11 | 2.52 | 80.21 | [illegible] | +.91 | [illegible] | 531.37 |
| 4-10 | 2.58 | 80.47 | 415.4 | [illegible] | [illegible] | [illegible] |
| 4-9 | 3.03 | 80.81 | [illegible] | +.81 | [illegible] | [illegible] |
| 4-8 | 3.08 | 91.335 | [illegible] | [illegible] | [illegible] | [illegible] |
| 4-7 | 3.15 | 82.96 | [illegible] | [illegible] | [illegible] | 531.62 |
| 4-6 | 3.22 | [illegible] | [illegible] | [illegible] | [illegible] | 531.[illegible] |
| 4-5 | 3.28 | 82.08 | [illegible] | [illegible] | [illegible] | [illegible] |
| 4-4 | 3.35 | 82.06 | [illegible] | +.55 | [illegible] | [illegible] |
| 4-3 | 3.41 | 82.66 | [illegible] | +.43 | [illegible] | [illegible] |
| R.Bs'D' | 4.07 | 91.56 | | | | |

| STN | TIME | INST. READING | ELEVA-TION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| | | | | | | |

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# OVERLAND EXPLORATION SERVICES LTD.
## GRAVITY METER CALCULATION SHEET

SHEET NO. 3

Job. Nouvite  Inst. No. 149  Density

Date 15 April 69  Meter Const.  Comb. Free Air-Corr. Const.

| STN | TIME | INST. READING | ELEVA-TION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| B.S. F | 8.44 | 94.27 | 105.7 | | | |
| R-B.S. F | 8.49 | 94.275 | 105.7 | | | |
| 2-15 | 8.57 | [illegible] | 85.7 | [illegible] | [illegible] | [illegible] |
| 2-16 | 9.03 | 98.10 | 48.3 | [illegible] | [illegible] | [illegible] |
| 2-17 | 9.10 | 97.94 | 48.5 | [illegible] | [illegible] | [illegible] |
| 2-18 | 9.16 | [illegible] | 51.2 | [illegible] | [illegible] | 523.22 |
| 2-19 | 9.29 | 96.83 | 56.6 | [illegible] | [illegible] | [illegible] |
| 2-20 | 9.36 | 96.82 | 55.2 | [illegible] | [illegible] | [illegible] |
| 2-21 | 9.43 | 96.38 | 60.2 | [illegible] | [illegible] | |
| 2-22 | 9.49 | 96.365 | 57.7 | [illegible] | 523.20 | [illegible] |
| 2-23 | 9.55 | 96.19 | 52.2 | [illegible] | [illegible] | [illegible] |
| 2-24 | 10.02 | 95.93 | 60.5 | [illegible] | [illegible] | [illegible] |
| 2-25 | 10.09 | 95.76 | 60.0 | [illegible] | [illegible] | [illegible] |
| 2-26 | 10.16 | 95.73 | 58.3 | [illegible] | [illegible] | 523.17 |
| 2-27 | 10.22 | 96.01 | 52.7 | [illegible] | [illegible] | 523.14 |
| 2-28 | 10.29 | 95.55 | 57.5 | [illegible] | [illegible] | [illegible] |
| 2-29 | 10.37 | 95.68 | 53.3 | [illegible] | [illegible] | 522.85 |
| 2-30 | 10.43 | 96.01 | 46.6 | [illegible] | 522.70 | 522.90 |
| 2-31 | 10.49 | 95.93 | 45.9 | [illegible] | 522.43 | [illegible] |
| 2-32 | 10.54 | 95.97 | 43.6 | [illegible] | [illegible] | 522.78 |
| R-B.S. 'F' | 11.00 | 94.255 | 105.7 | | | |
| R-2-32 | 11.06 | 95.97 | 43.6 | [illegible] | 522.59 | 522.78 |
| 2-33 | 11.13 | 95.715 | 44.5 | [illegible] | [illegible] | 522.62 |

| STN | TIME | INST. READING | ELEVA-TION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| 2-34 | 11.20 | 95.53 | 44.6 | [illegible] | 522.32 | 522.51 |
| 2-35 | 11.27 | [illegible] | 57.0 | [illegible] | [illegible] | 522.47 |
| 2-36 | 11.37 | 95.26 | 44.5 | [illegible] | [illegible] | 522.34 |
| 2-37 | 11.46 | 94.24 | 53.0 | [illegible] | 521.71 | 521.93 |
| 2-38 | 11.52 | 94.22 | 52.0 | [illegible] | 521.69 | 521.91 |
| 2-39 | 11.58 | 93.38 | 57.8 | [illegible] | 521.30 | 521.49 |
| 2-40 | 12.04 | 93.28 | 58.5 | [illegible] | [illegible] | 521.49 |
| 2-41 | 12.09 | 93.305 | 55.0 | [illegible] | [illegible] | 521.34 |
| 2-42 | 12.15 | 93.55 | 49.8 | [illegible] | [illegible] | [illegible] |
| 2-43 | 12.21 | 93.725 | 42.7 | [illegible] | 520.14 | 521.12 |
| 2-44 | 12.26 | 93.125 | 50.2 | [illegible] | 520.79 | 520.99 |
| 2-45 | 12.32 | 92.77 | 52.0 | [illegible] | 520.60 | 520.81 |
| 2-46 | 12.38 | 92.62 | 51.9 | [illegible] | 520.50 | 520.71 |
| 2-47 | 12.43 | 92.36 | 52.4 | [illegible] | [illegible] | 520.55 |
| 2-48 | 12.47 | 91.93 | 55.7 | [illegible] | 520.14 | 520.38 |
| 2-49 | 12.52 | 92.485 | 45.6 | [illegible] | 520.15 | 520.34 |
| R-B.S. 'F' | 1.00 | 94.26 | 105.7 | | | |
| R2-49 | 1.03 | 92.48 | 45.6 | [illegible] | [illegible] | 520.33 |
| 2-50 | 1.14 | 92.26 | 45.3 | [illegible] | [illegible] | 520.13 |
| 2-51 | 1.19 | 92.01 | 45.3 | [illegible] | [illegible] | 519.93 |
| 2-52 | 1.24 | 91.79 | 45.3 | [illegible] | [illegible] | 519.75 |
| 2-53 | 1.31 | 91.32 | 49.4 | [illegible] | [illegible] | 519.52 |
| 2-54 | 1.38 | 90.62 | 58.1 | [illegible] | 519.29 | 519.52 |

CBell

SHEET NO. 4

# OVERLAND EXPLORATION SERVICES LTD.
## GRAVITY METER CALCULATION SHEET

Job. INUVIK  Inst. No. 149  Density

Date 15 APRIL 69  Meter Const. 1.04950  Comb. Free Air-Corr. Const.

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| 2-55 | 1 45 | 91.44 | 43.5 | +3.36 | 519.26 | 519.43 |
| 2-56 | 1 51 | 90.49 | 54.4 | +3.42 | 519.23 | 519.24 |
| 2-57 | 1 58 | 90.71 | 50.9 | +3.49 | 519.10 | 519.20 |
| 2-58 | 2.03 | 90.55 | 49.1 | +3.55 | 518.87 | 519.09 |
| 2-59 | 2-10 | 90.01 | 53.9 | +3.64 | 518.71 | 519.03 |
| 2-60 | 2-17 | 90.55 | 44.4 | +3.70 | 518.73 | 518.90 |
| 2-61 | 2-24 | 90.48 | 44.6 | +3.76 | 518.72 | 518.90 |
| 2-62 | 2-32 | 89.86 | 48.1 | +3.83 | 518.30 | 518.55 |
| 2-63 | 2-37 | 90.26 | 41.2 | +3.88 | [illegible] | 518.54 |
| 2-64 | 2-42 | 89.98 | 44.5 | +3.93 | 518.36 | 518.54 |
| 2-65 | 2-47 | 89.87 | 43.6 | +3.97 | 518.25 | 518.43 |
| 2-66 | 2-52 | 89.33 | 47.5 | +4.00 | [illegible] | 518.20 |
| R.Bs'F' | 3.06 | 94.275 | 105.7 | | | |
| 2-14 | 3.15 | [illegible] | 105.9 | +0.45 | [illegible] | 524.18 |
| 2-13 | 3.22 | 92.13 | 137.8 | +0.39 | [illegible] | 524.21 |
| 2-12 | 3.29 | 89.965 | 179.4 | +0.33 | [illegible] | 524.22 |
| 2-11 | 3.35 | 88.51 | 207.2 | +0.16 | 523.60 | 524.44 |
| 2-10 | 3.43 | [illegible] | 262.3 | +0.09 | [illegible] | 524.53 |
| 2-9 | 3.50 | 91.39 | 166.6 | +0.02 | [illegible] | 524.52 |
| 2-8 | 3.56 | 96.15 | 100.3 | -0.08 | 524.43 | 524.83 |
| 2-7 | 4.02 | 96.24 | 104.1 | -0.14 | [illegible] 72 | 525.13 |
| 2-6 | 4.08 | 95.715 | 114.2 | -0.21 | 524.75 | 525.21 |
| 2-5 | 4.15 | [illegible] | 138.7 | -0.28 | 524.85 | 525.25 |

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| 2-4 | 4.22 | 93.26 | 157.6 | -0.35 | 524.55 | 525.45 |
| 2-3 | 4.28 | 93.13 | 163.2 | -0.41 | 525.02 | 525.67 |
| 2-2 | 4.35 | 90.58 | 205.0 | -0.48 | 525.00 | 525.82 |
| 2-1 | 4.41 | 89.145 | 236.3 | -0.56 | 525.44 | 526.35 |
| R-2-1 | 4.52 | 89.145 | 236.3 | -0.56 | 525.44 | 526.35 |
| R-2-1 | 5.01 | 89.15 | 236.3 | -0.56 | 525.44 | 526.35 |
| R.Bs.F | 5.07 | 94.30 | 105.7 | | | |

**OVERLAND EXPLORATION SERVICES LTD.**
**GRAVITY METER CALCULATION SHEET**

**SHEET NO.** 5

**Job.** Nuvis **Inst. No.** 149 **Density**

**Date** 16 Apr 69 **Meter Const.** 1 **Comb. Free Air-Corr. Const.**

| STN | TIME | INST. READING | ELEVA-TION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| B&E | 8 16 | 87.24 | 227.5 | | | |
| 3-14 | 8 32 | 74 33 | 470.2 | | | |
| 3-15 | 8.40 | 75.20 | 460.1 | | | |
| 3-16 | 8 47 | 77.93 | 424.4 | | | |
| 3-17 | 8.54 | 79.58 | 393.5 | | | |
| 3-18 | 9.01 | 76.[illegible] | 433.6 | | | |
| 3-19 | 9 08 | 77.48 | 423.1 | | | |
| 3-20 | 9 14 | 77.53 | 426.2 | | | |
| 3-21 | 9.20 | 79.25 | 397.3 | | | |
| 3-22 | 9.27 | 81.15 | 369.5 | | | |
| 3-23 | 9 36 | 73.75 | 386.5 | | | |
| 3-24 | [illegible] | 77.45 | 413.0 | | | |
| 3-25 | 9 48 | 75.795 | 436.1 | | | |
| 3-26 | 9 54 | 75.30 | 442.8 | | | |
| 3-27 | 9.59 | 75.26 | 440.5 | | | |
| 3-28 | 10.04 | 75.305 | 431.7 | | | |
| 3-29 | 10.10 | 78.01 | 397.5 | | | |
| 3-30 | 10.16 | 80.11 | 363.1 | | | |
| R B&E | 10.24 | 87.225 | 227.5 | | | |
| R 3-30 | 10.32 | 80.10 | 363.1 | | | |
| 3-31 | 10.39 | 77.77 | 394.5 | | | |
| 3-32 | 10.48 | 77.36 | 397.6 | | | |
| 3-33 | 10.55 | 80.08 | 353.3 | | | |

| STN | TIME | INST. READING | ELEVA-TION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| 3-34 | 11.00 | [illegible] | [illegible] | | | |
| 3-35 | 11.06 | 85.70 | 351.2 | | | |
| 3-36 | 11.18 | [illegible] | 352.9 | | | |
| 3-37 | 11.26 | [illegible] | 346.3 | | | |
| 3-38 | 11.32 | [illegible] | 349.7 | | | |
| [illegible] | 11.37 | 85.77 | [illegible] | | | |
| [illegible] | 11.43 | [illegible] | 357.5 | | | |
| [illegible] | [illegible] | [illegible] | [illegible] | | | |
| 3-41 | 11.59 | [illegible] | 453.7 | | | |
| 3-42 | [illegible] | [illegible] | [illegible] | | | |
| 3-43 | [illegible] | [illegible] | 50.6 | | | |
| 3-44 | 12.15 | 93.51 | [illegible] | | | |
| [illegible] | [illegible] | [illegible] | [illegible] | | | |
| | | | | | | |
| [illegible] | [illegible] | [illegible] | | | | |
| 4-45 | [illegible] | 91.71 | | | | |
| 4-46 | [illegible] | [illegible] | | | | |
| 4-47 | [illegible] | [illegible] | | | | |
| 4-48 | [illegible] | [illegible] | | | | |
| [illegible] | [illegible] | [illegible] | | | | |
| 4-50 | [illegible] | [illegible] | | | | |
| 4-51 | [illegible] | [illegible] | | | | |
| 4-52 | [illegible] | [illegible] | | | | |

CBell

SHEET NO. 6

# OVERLAND EXPLORATION SERVICES LTD.
## GRAVITY METER CALCULATION SHEET

Job. INUVIK  Inst. No. 149  Density

Date 16 APRIL 69  Meter Const.  Comb. Free Air-Corr. Const.

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | Lake moving very [illegible] |
|---|---|---|---|---|---|---|
| 4-63 | 1.17 | [illegible] | 101.2 | +4.57 | [illegible] | 526.87 |
| 4-64 | 1.22 | 94.30 | [illegible] | [illegible] | [illegible] | 526.60 |
| 4-65 | 1.26 | 95.[illegible] | [illegible] | [illegible] | [illegible] | 526.51 |
| 4-66 | 1.30 | 96.62 | [illegible] | +4.76 | [illegible] | [illegible] |
| 4-67 | 1.35 | 96.36 | [illegible] | [illegible] | [illegible]17 | 526.[illegible] |
| 4-68 | 1.40 | 96.11 | 46.5 | [illegible] | [illegible] | [illegible] |
| 4-69 | 1.44 | 95.24 | 55.0 | 1.4.98 | [illegible] | [illegible] |
| 4-70 | 1.49 | 95.665 | 45.1 | 15.06 | [illegible].65 | [illegible] |
| 4-71 | 1.55 | 94.80 | 55.9 | [illegible] | [illegible] | 525.67 |
| 4-72 | 1.59 | 94.41 | 59.0 | [illegible] | [illegible] | [illegible] |
| 4-73 | 2.04 | 95.73 | 40.81 | [illegible] | [illegible] | 525.79 |
| 4-74 | 2.08 | 95.02 | 45.61 | +5.59 | [illegible] | [illegible] |
| 4-75 | 2.13 | 94.07 | 57.71 | [illegible] | [illegible] | [illegible] |
| 4-76 | 2.18 | 93.70 | [illegible] | [illegible] | [illegible] | [illegible] |
| 4-77 | 2.23 | 94.62 | [illegible] | [illegible] | 524.93 | [illegible] |
| 4-78 | 2.32 | 94.30 | 48.31 | [illegible] | [illegible] | [illegible] |
| R-Bs D | 2.39 | 91.52 | | | | |
| | | | | | | Lake moving [illegible] |
| Bs 'C' | 3.01 | 73.23 | | | | |
| 5-63 | 3.08 | 70.965 | 422.4 | +6.10 | 525.87 | [illegible] |
| 5.62 | 3.14 | 71.88 | [illegible] | +5.91 | [illegible].06 | [illegible] |
| 5-61 | 3.20 | 72.41 | 415.6 | +5.95 | [illegible] | [illegible] |
| 5-60 | 3.25 | 70.87 | 402.5 | +5.91 | [illegible] | [illegible] |

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | [illegible] |
|---|---|---|---|---|---|---|
| 5-59 | 3.30 | 70.63 | [illegible] | +5.85 | 526.43 | [illegible] |
| 5-58 | 3.35 | 70.03 | [illegible] | +5.77 | [illegible].38 | 528.23 |
| 5-57 | 3.40 | 69.25 | [illegible] | +5.70 | [illegible] | 528.23 |
| 5-56 | 3.45 | 65.56 | 525.8 | +5.65 | 525.90 | [illegible] |
| 5-55 | 3.50 | 63.44 | [illegible] | +5.57 | [illegible].66 | 527.89 |
| 5-54 | 3.55 | 64.63 | [illegible] | +5.50 | [illegible] | 528.15 |
| 5-53 | 3.60 | 66.60 | [illegible] | +5.42 | 526.41 | [illegible] |
| 5-52 | 4.05 | 65.29 | [illegible] | [illegible].35 | [illegible] | [illegible] |
| 5-51 | 4.10 | 67.815 | [illegible] | [illegible].35 | [illegible] | [illegible] |
| 5-50 | 4.15 | 69.185 | 482.9 | [illegible]21 | 526.90 | [illegible] |
| 5-49 | 4.20 | 71.96 | [illegible] | +5.14 | [illegible] | 529.00 |
| 5-48 | 4.25 | 72.60 | [illegible] | +5.05 | [illegible] | 528.71 |
| 5-47 | 4.30 | 73.28 | [illegible] | +4.99 | 527.20 | [illegible] |
| 5-46 | 4.35 | 77.275 | [illegible] | +4.92 | [illegible] | 529.29 |
| 5-45 | 4.40 | 77.71 | [illegible] | +4.85 | [illegible] | 529.45 |
| 5-44 | 4.45 | 77.36 | [illegible] | +4.79 | [illegible] | 529.55 |
| 5-43 | 4.50 | 75.83 | 404.1 | +4.70 | 527.90 | [illegible] |
| 5-42 | 4.55 | 75.97 | 402.5 | +4.65 | [illegible] | 529.74 |
| R-Bs 'C' | 5.05 | 73.25 | | | | |
| | | | | | | |
| | | | | | | |
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CBell

SHEET NO. 4

# OVERLAND EXPLORATION SERVICES LTD.
## GRAVITY METER CALCULATION SHEET

Job. Inuvik  Inst. No. 149  Density

Date 18 April 69  Meter Const. 1.04957  Comb. Free Air-Corr. Const. 0.065

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | Terrain Corr. |
|---|---|---|---|---|---|---|
| Bs'C' | 7.57 | 73.23 | | | | |
| 5-64 | 8.04 | 71.39 | 424.1 | +6.12 | [illegible] | 527.48 |
| 5-65 | 8.09 | 71.77 | 417.8 | +6.20 | [illegible] | 527.53 |
| 5-66 | 8.14 | 70.41 | 432.6 | +6.25 | 526.01 | [illegible] |
| 5-67 | 8.21 | 73.93 | 350.9 | +6.35 | [illegible] | 527.29 |
| 5-68 | 8.32 | 78.59 | 306.7 | +6.40 | [illegible] | 527.22 |
| 5-69 | 8.39 | 81.83 | 253.7 | +6.50 | [illegible] | [illegible] |
| 5-70 | 8.47 | 80.63 | 270.6 | +6.57 | [illegible] | 527.04 |
| * 5-71 | 9.03 | 74.78 | [illegible] | +6.63 | [illegible] | * N.B. |
| 5-72 | 9.09 | 75.36 | 256.0 | +6.70 | [illegible] | [illegible] |
| 5-73 | 9.13 | 79.27 | 244.4 | [illegible] | [illegible] | [illegible] |
| 5-74 | 9.18 | 82.51 | 243.8 | [illegible] | [illegible] | [illegible] |
| 5-75 | 9.23 | 85.99 | 188.3 | +6.90 | [illegible] | [illegible] |
| 5-76 | 9.28 | 88.00 | 140.3 | [illegible] | [illegible] | [illegible] |
| 5-77 | 9.33 | 90.16 | 117.5 | [illegible] | [illegible] | [illegible] |
| 5-78 | 9.38 | 90.45 | 110.5 | +7.12 | [illegible] | [illegible] |
| 5-79 | 9.44 | 90.71 | 99.9 | [illegible] | [illegible] | [illegible] |
| 5-80 | 9.49 | 90.775 | 95.5 | [illegible] | [illegible] | [illegible] |
| 5-81 | 9.55 | 91.235 | 84.9 | [illegible] | [illegible] | [illegible] |
| R Bs'C' | 10.01 | 73.23 | | | | |
| 5-3 | 10.12 | 81.025 | 407.4 | +1.90 | [illegible] | [illegible] |
| 5-4 | 10.19 | 80.10 | 420.1 | +1.97 | [illegible] | 532.20 |
| 5-5 | 10.25 | 80.20 | 420.1 | [illegible] | 530.74 | 532.36 |

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| 5-6 | 10.32 | 80.09 | 421.1 | +2.09 | 530.74 | 532.39 |
| 5-7 | 10.38 | 79.92 | 421.8 | +2.16 | 530.69 | 532.32 |
| 5-8 | 10.44 | 80.40 | 415.9 | +2.21 | 530.87 | 532.48 |
| 5-9 | 10.49 | 80.52 | 412.5 | +2.30 | [illegible] | 532.52 |
| 5-10 | 10.53 | 80.62 | 410.2 | +2.35 | [illegible] | 532.60 |
| 5-11 | 10.58 | 80.89 | 405.9 | [illegible] | 530.17 | [illegible] |
| 5-12 | 11.03 | 80.915 | 402.6 | +2.50 | [illegible] | [illegible] |
| 5-13 | 11.08 | 81.16 | 396.9 | [illegible] | [illegible] | [illegible] |
| 5-14 | 11.13 | 81.275 | 391.5 | [illegible] | [illegible] | [illegible] |
| 5-15 | 11.19 | 80.93 | 395.7 | +2.71 | 530.63 | [illegible] |
| 5-16 | 11.24 | 80.91 | 395.7 | +2.79 | [illegible] | [illegible] |
| 5-17 | 11.29 | [illegible] | 395.3 | [illegible] | [illegible] | [illegible] |
| 5-18 | 11.35 | [illegible] | 393.3 | [illegible] | [illegible] | [illegible] |
| 5-19 | 11.41 | 81.30 | 382.3 | [illegible] | [illegible] | [illegible] |
| 5-20 | 11.47 | 80.76 | 387.8 | [illegible] | [illegible] | [illegible] |
| 5-21 | 11.52 | 79.95 | 397.9 | [illegible] | 530.27 | [illegible] |
| R Bs'C' | 12.01 | 73.21 | | | | |
| R5-21 | 12.10 | 79.95 | 397.9 | [illegible] | 530.27 | 531.70 |
| 5-22 | 12.15 | 79.18 | 409.1 | [illegible] | 530.09 | [illegible] |
| 5-23 | 12.20 | 79.00 | 409.2 | [illegible] | [illegible] | [illegible] |
| 5-24 | 12.25 | 78.57 | 411.4 | [illegible] | [illegible] | [illegible] |
| 5-25 | 12.30 | 77.28 | 423.4 | [illegible] | [illegible] | [illegible] |
| 5-26 | 12.35 | 77.22 | 412.5 | [illegible] | [illegible] | [illegible] |

*. GRAVITY READ 162.5' (1 FLAG) S.W. OF STN. 5-71

C Bell.

SHEET NO. 8

# OVERLAND EXPLORATION SERVICES LTD.
## GRAVITY METER CALCULATION SHEET

Job. INUVIK  Inst. No. 149  Density

Date 18 APRIL 67  Meter Const. [illegible]  Comb. Free Air-Corr. Const. [illegible]

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| 5-27 | 12.44 | 76.76 | 424.5 | [illegible] | [illegible] | [illegible] |
| 5-28 | 12.48 | 77.14 | 419.0 | +3.60 | 529.01 | [illegible] |
| 5-29 | 12.53 | 79.39 | 403.0 | +3.[illegible] | [illegible] | [illegible] |
| 5-30 | 12.58 | 78.09 | 403.3 | +3.75 | [illegible] | [illegible] |
| 5-31 | 1.02 | 77.56 | 409.3 | [illegible] | [illegible] | [illegible] |
| 5-32 | 1.07 | 76.9[illegible] | 415.7 | [illegible] | [illegible] | [illegible] |
| 5-33 | 1.12 | 76.60 | 419.8 | +4.04 | [illegible] | [illegible] |
| 5-34 | 1.17 | 77.34 | 403.7 | +4.0[illegible] | 529.65 | [illegible] |
| 5-35 | 1.23 | 77.005 | 410.5 | +4.15 | [illegible] | [illegible] |
| 5-36 | 1.28 | 76.84 | 410.9 | [illegible] | [illegible] | [illegible] |
| 5-37 | 1.33 | 77.19 | 404.3 | [illegible] | [illegible] | 530.42 |
| 5-38 | 1.38 | 77.47 | 397.1 | [illegible] | [illegible] | 530.21 |
| 5-39 | 1.43 | 77.60 | 394.3 | [illegible] | [illegible] | [illegible] |
| 5-40 | 1.48 | 77.26 | 394.7 | [illegible] | [illegible] | [illegible] |
| 5-41 | 1.53 | 76.515 | 401.3 | [illegible] | [illegible] | [illegible] |
| R5-42 | 2.00 | 75.90 | 403.8 | [illegible] | [illegible] | [illegible] |
| RBs 'C' | 2.15 | 73.18 | | | | |

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| | | | | | | |

BASE 'F' ELEVATION 105.7' CNBell

# OVERLAND EXPLORATION SERVICES LTD.
## GRAVITY METER CALCULATION SHEET

SHEET NO. 9

Job. INUVIK  Inst. No. 149  Density

Date 19 APRIL 69  Meter Const. 1.04950  Comb. Free Air-Corr. Const. 0.065

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| Bs. 'B' | 11.00 | 82.51 | 211.4 | | | |
| 6 - 61 | 11.05 | 89.77 | 208.5 | 41.54 | 526.50 | 527.39 527.09 |
| 6 - 60 | 11.14 | 79.64 | 211.5 | [illegible] | [illegible] | 522.05 |
| 6 - 59 | 11.22 | 74.12 | 362.2 | [illegible] | [illegible] | [illegible] |
| 6 - 59 | 11.32 | 69.53 | 438.2 | [illegible] | [illegible] | [illegible] |
| 6 - 57 | 11.40 | 66.66 | 484.8 | [illegible] | [illegible] | [illegible] |
| 6 - 56 | 11.55 | 65.555 | 501.9 | — | | — |
| 6 - 55 | 12.05 | 61.645 | 477.5 | [illegible].15 | [illegible] | [illegible] |
| R. 6 - 55 | 12.40 | 61.61 | 477.5 | [illegible].15 | 527.31 | [illegible] |
| R. B. 'F' | 1.05 | 89.50 | 211.4 | | | |

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| | | | | | | |

CNBell

# OVERLAND EXPLORATION SERVICES LTD.
## GRAVITY METER CALCULATION SHEET

SHEET NO. 10

Job. Inuvik  Inst. No. 149  Density

Date 20 April 69  Meter Const.  Comb. Free Air-Corr. Const.

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| R. 'B' | 8.03 | 82.56 | 211.4 | | | |
| RBs 'B' | 8.07 | 82.56 | 211.4 | | | |
| 6-1 | 8.12 | 81.24 | 355.9 | 13.35 | 531.29 | 532.33 |
| 6-2 | 8.19 | 82.93 | 352.4 | 14.21 | [illegible] | [illegible] |
| 6-3 | 8.25 | 83.70 | 339.7 | 14.10 | [illegible] | [illegible] |
| 6-4 | 8.40 | 83.91 | 334.9 | 14.[illegible] | [illegible] | [illegible] |
| 6-5 | 8.48 | 81.58 | 322.0 | 14.75 | [illegible] | 532.42 |
| 6-6 | 8.52 | 81.68 | 318.8 | 14.32 | [illegible] | [illegible] |
| 6-7 | 8.58 | 81.06 | 323.8 | 14.[illegible] | [illegible] | [illegible] |
| 6-8 | 9.01 | 81.26 | 318.4 | 14.50 | 530.52 | 532.09 |
| 6-9 | 9.08 | 81.34 | 315.4 | 14.66 | [illegible] | 532.07 |
| 6-10 | 9.13 | 81.42 | 309.4 | 14.70 | [illegible] | 532.05 |
| 6-11 | 9.18 | 85.26 | 291.8 | [illegible] | [illegible] | 531.93 |
| 6-12 | 9.23 | 85.06 | 300.7 | [illegible] | [illegible] | 532.06 |
| 6-13 | 9.28 | 85.[illegible] | 295.6 | [illegible] | [illegible] | 531.96 |
| 6-14 | 9.34 | 75.72 | 253.1 | [illegible] | [illegible] | 532.03 |
| 6-15 | 9.39 | 85.57 | 287.6 | +5.05 | [illegible] | 531.39 |
| 6-16 | 9.45 | 85.[illegible] | 289.9 | +5.14 | 530.70 | 531.02 |
| 6-17 | 9.50 | 85.17 | 292.4 | +5.24 | [illegible] | 532.01 |
| 6-18 | 9.57 | 84.93 | 293.9 | +5.31 | 530.75 | 531.93 |
| 6-19 | 10.02 | 85.27 | 288.5 | +5.45 | [illegible] | 532.01 |
| 6-20 | 10.07 | 85.20 | 287.9 | +5.49 | [illegible] | 531.98 |
| R Bs 'B' | 10.15 | 82.54 | 211.4 | | | |

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | Lake Level 2000' |
|---|---|---|---|---|---|---|
| R.6-20 | 10.28 | 85.195 | 287.9 | +5.49 | 530.82 | 531.98 |
| 6-21 | 10.34 | 84.85 | 289.7 | +5.56 | [illegible] | 531.81 |
| 6-22 | 10.39 | 84.60 | 292.0 | +5.65 | 530.62 | 531.79 |
| 6-23 | 10.45 | 84.125 | 298.5 | +5.72 | [illegible] | 531.82 |
| 6-24 | 10.51 | 83.31 | 308.2 | +5.81 | [illegible] | 531.73 |
| 6-25 | 10.56 | 82.12 | 322.8 | +5.90 | [illegible] | 531.57 |
| 6-26 | 11.02 | 81.67 | 323.1 | +5.95 | [illegible] | 531.21 |
| 6-27 | 11.08 | 80.06 | 349.5 | +6.06 | [illegible] | 531.42 |
| 6-28 | 11.13 | 78.98 | 361.4 | +6.15 | 529.74 | 531.19 |
| 6-29 | 11.18 | 78.47 | 353.0 | +6.21 | [illegible] | 531.19 |
| 6-30 | 11.24 | 78.66 | 361.6 | +6.30 | 529.57 | 531.03 |
| 6-31 | 11.30 | 77.64 | 375.3 | +6.40 | [illegible] | 531.00 |
| 6-32 | 11.35 | 77.22 | 380.5 | +6.49 | [illegible] | 531.06 |
| 6-33 | 11.40 | 77.00 | 383.6 | +6.55 | 529.54 | 531.03 |
| 6-34 | 11.46 | 76.19 | 402.0 | +6.65 | 529.43 | 531.04 |
| 6-35 | 11.50 | 74.96 | 409.4 | +6.75 | [illegible] | 530.99 |
| 6-36 | 11.58 | 75.01 | 406.4 | +6.83 | 529.20 | 530.93 |
| 6-37 | 12.04 | 75.05 | 403.4 | +6.90 | [illegible] | 530.72 |
| 6-38 | 12.09 | 74.62 | 406.8 | +6.98 | [illegible] | 530.48 |
| 6-39 | 12.14 | 74.19 | 407.8 | +7.05 | 528.65 | 530.28 |
| 6-40 | 12.2[illegible] | 74.[illegible] | 404.5 | +7.14 | [illegible] | 530.32 |
| R.Bs 'B' | 12.32 | 80.52 | 211.4 | | | Lake-Airline Not so good |
| R.6-40 | 1.00 | 74.35 | 404.5 | +7.14 | 528.69 | 530.31 |

CNBell

# OVERLAND EXPLORATION SERVICES LTD.
## GRAVITY METER CALCULATION SHEET

SHEET NO. 11

Job. Inuvik  Inst. No. 149  Density

Date 20 April 69  Meter Const. 1.02950  Comb. Free Air-Corr. Const. 0.05

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | [illegible] |
|---|---|---|---|---|---|---|
| 6-41 | 1.05 | 74.45 | 401.7 | +17.20 | [illegible] | 530.28 |
| 6-42 | 1.10 | 74.43 | 401.7 | +17.26 | [illegible] | 530.32 |
| 6-43 | 1.15 | 74.33 | 400.9 | +17.32 | [illegible] | 530.21 |
| 6-44 | 1.20 | 74.325 | 399.4 | +17.40 | 528.59 | 530.19 |
| 6-45 | 1.25 | 74.75 | 390.6 | +17.47 | 528.54 | 530.10 |
| 6-46 | 1.31 | 75.46 | 374.9 | +17.55 | 528.34 | 529.84 |
| 6-47 | 1.37 | 73.64 | 395.6 | +17.62 | 527.74 | 529.42 |
| 6-48 | 1.42 | 72.82 | 405.6 | +17.70 | 527.71 | 529.34 |
| 6-49 | 1.47 | 71.61 | 423.3 | +17.78 | 527.67 | 529.37 |
| 6-50 | 1.55 | 69.42 | 460.2 | [illegible] | 527.84 | 529.62 |
| 6-51 | 2.01 | 68.29 | 475.4 | +17.90 | 527.80 | 529.70 |
| 6-52 | 2.07 | 68.[illegible] | 466.7 | +17.99 | 527.19 | 529.65 |
| 6-53 | 2.13 | 68.[illegible] | 472.3 | +18.04 | 527.61 | 529.[illegible] |
| 6-54 | 2.20 | 67.25 | 483.7 | +18.10 | 527.34 | 529.38 |
| R 6-55 | 2.27 | 67.[illegible] | 477.5 | +18.15 | 527.37 | 529.30 |
| R.Bs 'B' | 2.35 | 92.52 | 211.4 | + | | |
| 6-62 | 2.41 | [illegible] | 195.4 | +17.60 | TC=.03 526.23 | 527.41 526.81 |
| 6-63 | 2.46 | 90.66 | 200.2 | +17.65 | 527.57 | 526.37 |
| 6-64 | 2.50 | 90.[illegible] | 200.6 | +17.70 | TC=.22 525.81 | 526.61 [illegible] |
| 6-65 | 2.54 | 88.[illegible] | 185.7 | +17.74 | TC=.36 525.75 | 526.49 526.13 |
| 6-66 | 3.00 | 84.[illegible] | 157.4 | +17.77 | TC=.30 525.60 | 526.23 525.92 |
| 6-67 | 3.06 | 85.77 | 143.7 | +17.84 | TC=.28 525.70 | 526.28 526.00 |
| 6-68 | 3.11 | 87.175 | 122.4 | +17.89 | TC=.19 525.76 | 526.25 526.06 |

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | [illegible] |
|---|---|---|---|---|---|---|
| 6-69 | 3.16 | 87.83 | 114.6 | +18.92 | TC=.05 525.82 | 526.28 526.23 |
| 6-70 | 3.21 | 88.00 | 113.0 | +18.95 | 525.[illegible] | 526.33 |
| 6-71 | 3.25 | 89.74 | 83.3 | +18.99 | 525.81 | [illegible] |
| 6-72 | 3.30 | 90.[illegible] | 67.5 | +19.05 | 525.68 | 525.95 |
| R.Bs 'B' | 3.48 | 82.515 | 211.4 | | | |

C.A.Bell

# OVERLAND EXPLORATION SERVICES LTD.
## GRAVITY METER CALCULATION SHEET

SHEET NO. 12

Job. Inuvik   Inst. No. 149   Density ____

Date 21 April 69   Meter Const. ____   Comb. Free Air-Corr. Const. ____

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| B.S. 'E' | 1.48 | 87.14 | 227.5 | | | |
| P 3-44 | 1.59 | 97.57 | 55.4 | [illegible] | [illegible]63 | 526.85 |
| 3-45 | [illegible] | 98.365 | 40.4 | 42.39 | [illegible] | [illegible] |
| 3-46 | [illegible] | 98.20 | 39.5 | 42.45 | [illegible] | [illegible] |
| 3-47 | 2.12 | 97.85 | 40.2 | [illegible] | [illegible] | [illegible] |
| 3-48 | 2.18 | 96.28 | 57.0 | 42.60 | [illegible] | [illegible] |
| 3-49 | [illegible] | 95.835 | 58.9 | 42.[illegible] | [illegible] | 524.67 |
| 3-50 | [illegible] | 95.90 | 56.2 | [illegible] | 524.[illegible] | [illegible] |
| 3-51 | [illegible] | 95.59 | 57.9 | [illegible] | 524.25 | 524.49 |
| 3-52 | [illegible] | 96.18 | 47.9 | [illegible] | [illegible] | [illegible] |
| 3-53 | [illegible] | 96.01 | 47.9 | [illegible]92 | 524.16 | [illegible] |
| 3-54 | 2.48 | 95.95 | 47.8 | 43.0[illegible] | [illegible] | [illegible] |
| 3-55 | [illegible] | 95.45 | 55.6 | 43.05 | 524.19 | [illegible] |
| 3-56 | [illegible] | 95.005 | 56.9 | 43.1[illegible] | [illegible] | |
| 3-57 | 3.09 | 94.91 | 57.3 | 43.11 | [illegible] | 15' UP [illegible] OF [illegible] |
| 3-58 | | | 45.3 | | | [illegible] |
| 3-59 | | | 45.1 | | | [illegible] |
| 3-60 | [illegible] | 94.24 | 54.8 | 43.40 | 523.[illegible] | [illegible] |
| 3-61 | [illegible] | 93.91 | 57.9 | [illegible] | [illegible] | 525.11 |
| 3-62 | 3.40 | 94.75 | 45.4 | [illegible] | [illegible] | [illegible] |
| 3-63 | [illegible] | 94.75 | 43.3 | [illegible] | [illegible] | [illegible] |
| 3-64 | [illegible] | 94.69 | 43.0 | [illegible] | 523.[illegible] | 523.[illegible] |
| B.S. 'E' | [illegible] | 87.165 | 227.5 | | | |

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| 524.37 | | | | | | |
| 524.42 | | | | | | |
| 524.17 | | | | | | |
| 524.02 | | | | | | |

[illegible] — STN 3-54 (2) AT [illegible]

· LINE 11 IS RIVER FROM LINE 5 TO N.W END OF LINE 1 STNS PEND ON WATERS EDGE. C.N. Bell

TERRAIN CORRECTION - HEIGHT OF RIVER BANK WILL FOLLOW.

**OVERLAND EXPLORATION SERVICES LTD.**
**GRAVITY METER CALCULATION SHEET**

**SHEET NO.** 13

**Job.** INUVIK **Inst. No.** 149 **Density** _____

**Date** 22 APRIL 69 **Meter Const.** _____ **Comb. Free Air-Corr. Const.** _____

| STN NEW | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| Bs3-56 | 10.27 | 95.10 | 56.9 | +13.15 | 523.93 | 524.16 |
| 11-48 | 10.32 | 96.125 | 43.0 | +13.17 | 524.13 | 524.30 |
| M-49 | 10.43 | 95.93 | 43.0 | +13.10 | [illegible] | 524.02 |
| 11-50 | 10.48 | 95.9[illegible] | 43.0 | +13.20 | 523.71 | [illegible] |
| 11-51 | 10.57 | 95.88 | 43.0 | +13.21 | 523.61 | [illegible] |
| 11-52 | 11.04 | 95.85 | 42.9 | +13.[illegible] | [illegible] | [illegible] |
| M-53 | 11.11 | 95.00 | 42.9 | +13.24 | 523.55 | [illegible] |
| M-54 | 11.21 | 95.88 | 42.9 | +13.65 | 523.74 | 523.51 |
| M-55 | 11.29 | 95.81 | 42.9 | +13.59 | 523.21 | [illegible] |
| M-56 | 11.31 | 95.78 | 42.9 | +13.52 | 523.10 | [illegible] |
| M-57 | 11.43 | 95.75 | 42.9 | +13.45 | 523.0[illegible] | 523.20 |
| RBs3-56 | 11.53 | 95.10 | 56.9 | +13.15 | 523.[illegible] | 524.16 |
| RM-57 | 12.02 | 95.77 | 42.9 | +12.43 | 523.03 | 523.20 |
| M-58 | 12.07 | 95.97 | 42.8 | +12.[illegible] | 523.02 | 523.11 |
| 11-[illegible] | 12.13 | 95.95 | 42.9 | +12.[illegible] | [illegible] | 523.18 |
| 11-60 | 12.[illegible] | 96.08 | 42.6 | +12.14 | 523.[illegible] | 523.70 |
| 11-61 | 12.29 | 96.26 | 42.8 | +12.05 | 522.93 | 523.01 |
| 11-62 | 12.36 | 96.51 | 42.7 | +11.99 | 523.19 | [illegible] |
| M-63 | 12.42 | 96.51 | 42.7 | +11.90 | 523.31 | 523.47 |
| M-64 | 12.[illegible] | 96.63 | 42.7 | +11.[illegible] | 523.[illegible] | 523.46 |
| M-65 | 1.01 | 96.78 | 42.7 | +11.75 | 523.3[illegible] | [illegible] |
| M-66 | 1.14 | 97.01 | 42.7 | +11.65 | 523.53 | 523.70 |
| M-67 | 1.20 | 97.06 | 42.7 | +11.55 | 523.48 | 523.65 |

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| 11-68 | 1.32 | 97.30 | 42.7 | +11.44 | 523.62 | 523.79 |
| 11-69 | 1.40 | 97.40 | 42.6 | +11.30 | 523.57 | 523.74 |
| 11-70 | 1.47 | 97.46 | 42.6 | +11.25 | 523.[illegible] | 523.[illegible] |
| 11-71 | 1.55 | 97.8[illegible] | 42.6 | +11.09 | [illegible] | 523.97 |
| RBs3-51 | 2.06 | 95.09 | 56.9 | +13.15 | 523.93 | 524.16 |
| [illegible] | 3.03 | 95.09 | 56.9 | +13.15 | 523.93 | 524.16 |
| M-47 | 3.10 | 96.23 | 43.0 | +13.25 | 523.37 | 524.51 |
| M-46 | 3.20 | 96.30 | 43.1 | +13.34 | 524.50 | 524.67 |
| 11-45 | 3.29 | 96.39 | 43.1 | +13.40 | 524.65 | 524.82 |
| M-44 | 3.37 | 96.43 | 43.1 | +13.49 | 524.[illegible] | 524.97 |
| M-43 | 3.45 | 96.54 | 43.1 | +13.55 | 525.08 | 525.25 |
| M-42 | 3.[illegible] | 96.66 | 43.2 | +13.62 | [illegible] | 525.34 |
| 11-41 | 4.04 | 96.59 | 43.2 | +13.[illegible] | 525.20 | 525.37 |
| M-40 | 4.12 | 96.45 | 43.2 | [illegible] | [illegible] | 525.33 |
| M-39 | 4.20 | 96.28 | 43.2 | [illegible] | 525.[illegible] | 525.22 |
| 11-38 | 4.30 | 96.17 | 43.2 | +13.94 | 524.95 | 525.15 |
| M-37 | 4.37 | 96.06 | 43.3 | +13.99 | 524.[illegible] | 525.11 |
| M-36 | 4.45 | 95.83 | 43.3 | +14.11 | 524.[illegible] | 525.05 |
| 11-35 | 4.50 | 95.[illegible] | 43.3 | +14.20 | 524.87 | 525.05 |
| RBs3-51 | 5.02 | 95.09 | 56.9 | +13.15 | 523.93 | 524.16 |
| | | | | | | |
| | | | | | | |
| | | | | | | |

ch Bell

# OVERLAND EXPLORATION SERVICES LTD.
## GRAVITY METER CALCULATION SHEET

SHEET NO. 14

Job. INUVIK  Inst. No. 149  Density

Date 23 APRIL 69  Meter Const.  Comb. Free Air-Corr. Const.

523.48

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| Bs E | 7.50 | 87.20 | 224.5 | | | |
| R3-64 | 8.03 | 94.78 | 43.0 | +13.72 | 523.31 | EXACT MARK OF Bs |
| R3-64 | 8.07 | 94.78 | 43.0 | +13.72 | 523.31 | LOCATION UNKNOWN |
| 3-65 | 8.13 | 94.69 | 43.0 | +13.79 | 523.28 | 523.115 |
| 3-66 | 8.22 | 94.56 | 42.6 | +13.85 | 523.19 | 523.34 |
| 3-67 | 8.28 | 94.53 | 40.2 | +13.90 | 523.05 | 523.19 |
| 3-68 | 8.34 | 93.99 | 43.4 | +13.92 | 522.77 | 522.94 |
| 3-69(1) | 8.43 | 92.84 | 57.3 | +14.06 | 522.53 | 522.76 |
| 3-70 | 8.48 | 92.78 | 54.1 | +14.14 | 522.35 | 522.56 |
| 3-71 | 8.55 | 93.36 | 41.0 | +14.20 | 522.16 | LAKE OPTICS QUITE GOOD |
| 3-72 | 9.02 | 92.54 | 47.9 | +14.25 | 521.79 | 522.42 521.99 |
| 3-73 | 9.07 | 92.61 | 45.0 | +14.32 | 521.76 | 521.93 |
| 3-74 | 9.13 | 91.69 | 53.2 | +14.40 | 521.40 | 521.61 |
| 3-75 | 9.20 | 92.20 | 42.2 | +14.45 | 521.27 | LAKE [illegible] |
| 3-76 | 9.27 | 91.99 | 41.1 | +14.54 | 521.07 | 521.24 |
| 3-77 | 9.33 | 91.80 | 41.5 | +14.60 | 520.96 | 521.11 |
| 3-78 | 9.39 | 91.68 | 40.7 | +14.67 | 520.87 | 521.02 |
| 3-79 | 9.45 | 91.59 | 40.7 | +14.75 | 520.79 | 520.92 |
| 3-80 | 9.51 | 91.45 | 41.0 | +14.82 | [illegible] | 520.8[illegible] |
| 3-81 | 9.57 | 91.30 | 42.4 | +14.88 | [illegible] | 520.95 |
| 3-82 | 10.02 | 91.79 | 47.2 | +14.97 | 521.69 | 521.87 |
| 3-83 | 10.08 | 89.99 | 54.4 | +15.04 | 520.54 | 520.74 |
| 3-84 | 10.13 | 89.94 | 52.3 | +15.08 | 520.19 | 520.31 |

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| 3-85 | 10.19 | 89.895 | 44.6 | +15.15 | 519.72 | 519.88 |
| 3-86 | 10.25 | 89.52 | 44.8 | +15.21 | 519.40 | 519.55 |
| 3-87 | 10.30 | 89.89 | 39.0 | +15.30 | 519.50 | 519.63 |
| 3-87(1) | 10.37 | 89.995 | 51.6 | +15.35 | 519.95 | 520.14 |
| 3-89 | 10.43 | 89.36 | 51.9 | +15.41 | 519.87 | 520.09 |
| 3-90 | 10.48 | 88.82 | 54.1 | +15.49 | 519.55 | 519.74 |
| STN 91 | 10.55 | 88.755 | 52.2 | +15.53 | 519.46 | ENTER STN. 519.65 |
| 3-92 | 10.59 | 89.69 | 39.0 | +15.[illegible] | 519.60 | 519.73 |
| RBs E | 11.14 | 87.21 | 224.5 | | | |
| 3-95 | 11.31 | 88.21 | 52.6 | +15.82 | 519.14 | 519.33 |
| 3-96 | 11.39 | 87.85 | NOT SURVEYED | | | 519.63 |
| 3-94 | 11.51 | 89.45 | 38.6 | +15.71 | 519.50 | LAKE [illegible] QUITE GOOD |
| 3-93 | [illegible] | [illegible] | [illegible] | [illegible] | | |
| R3-92 | 12.04 | 89.695 | 39.0 | +15.61 | 519.61 | 519.71 |
| 3-91 | 12.12 | 89.85 | 39.0 | +15.59 | 519.75 | 519.93 |
| RBs E' | 12.41 | 87.21 | 224.5 | | | |
| RB3-54 | 12.49 | 95.08 | 56.9 | | | |
| RBs E' | 12.55 | 87.21 | 224.5 | | | |

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SHEET NO. 15

# OVERLAND EXPLORATION SERVICES LTD.
## GRAVITY METER CALCULATION SHEET

Job. INUVIK Inst. No. 149 Density

Date 23 APRIL 69 Meter Const. Comb. Free Air-Corr. Const.

| STN | TIME | INST. READING | ELEVA-TION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| BS'D' | 1.04 | 91.54 | 150.1 | | | |
| 4.94 | 1.20 | 90.78 | 55.1 | +6.50 | [illegible] | [illegible] |
| 4.93 | 1.27 | 90.85 | 56.8 | [illegible] | [illegible] | [illegible] |
| 4.92 | 1.34 | 91.21 | 55.7 | [illegible] | [illegible] | [illegible] |
| 4.91 | 1.40 | 92.00 | 47.7 | [illegible] | [illegible] | [illegible] |
| 4.90 | 1.46 | 91.63 | 54.3 | [illegible] | [illegible] | [illegible] |
| 4.89 | 1.53 | 92.61 | 43.3 | [illegible] | [illegible] | [illegible] |
| 4.88 | 2.00 | 92.105 | 42.8 | [illegible] | [illegible] | [illegible] |
| 4.87 | 2.06 | 92.65 | 43.4 | [illegible] | [illegible] | [illegible] |
| 4.86 | 2.13 | 92.95 | 43.1 | [illegible] | [illegible] | [illegible] |
| 4.85 | 2.20 | 92.18 | 51.2 | [illegible] | [illegible] | 523.49 |
| 4.84 | 2.28 | [illegible] | 54.5 | [illegible] | [illegible] | [illegible] |
| 4.83 | 2.36 | 92.52 | 55.2 | [illegible] | [illegible] | 523.95 |
| 4.82 | 2.43 | 92.705 | 55.1 | [illegible] | [illegible] | 524.06 |
| 4.81 | 2.49 | 92.74 | 57.8 | [illegible] | [illegible] | 524.21 |
| 4.80 | 2.55 | 92.03 | 42.3 | [illegible] | [illegible] | 524.42 |
| 4.79 | [illegible] | | 42.5 | | — | — |
| RBS'D' | 3.04 | 91.515 | 150.1 | | | |

| STN | TIME | INST. READING | ELEVA-TION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| BS'C' | 3.15 | 73.895 | 393.1 | | | |
| 5.93 | 3.33 | 91.35 | 55.4 | [illegible] | [illegible] | [illegible] |
| 5.92 | 3.40 | 91.93 | 48.7 | [illegible] | [illegible] | [illegible] |
| 5.91 | 3.46 | 91.08 | 59.9 | [illegible] | [illegible] | [illegible] |
| 5.90 | 3.53 | [illegible] | 51.4 | [illegible] | [illegible] | [illegible] |
| 5.89 | 3.53 | [illegible] | 53.4 | [illegible] | | [illegible] |
| [illegible] | 4.13 | [illegible] | [illegible] | [illegible] | | [illegible] |
| 5.87 | 4.22 | [illegible] | 54.5 | [illegible] | [illegible] | [illegible] |
| 5.86 | 4.29 | [illegible] | 45.5 | [illegible] | | [illegible] |
| 5.85 | 4.33 | [illegible] | 54.4 | [illegible] | | [illegible] |
| 5.84 | [illegible] | [illegible] | 58.9 | [illegible] | [illegible] | [illegible] |
| 5.83 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 5.82 | [illegible] | [illegible] | [illegible] | [illegible] | | [illegible] |
| 5.81 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 5.80 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| RBS'D' | [illegible] | 73.8 | [illegible] | | | |

C.S. Bell

SHEET NO. 16

# OVERLAND EXPLORATION SERVICES LTD.
## GRAVITY METER CALCULATION SHEET

Job. INUVIK  Inst. No. 149  Density

Date 24 APRIL 69  Meter Const.  Comb. Free Air-Corr. Const.

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| Bs 6-1 | 8.04 | 82.86 | 355.9 | +3.95 | 531.14 | 532.57 |
| 7-1 | 8.10 | 82.01 | 370.9 | +3.85 | 531.13 | 532.61 |
| 7-2 | 8.17 | 83.09 | 353.8 | +3.95 | [illegible] | 532.41 |
| 7-3 | 8.23 | 82.32 | 365.0 | +3.68 | 530.90 | 532.36 |
| 7-4 | 8.28 | 81.89 | 373.3 | +3.57 | [illegible] | [illegible] |
| 7-5 | 8.34 | 81.83 | 373.7 | +3.50 | [illegible] | 532.47 |
| 7-6 | 8.41 | 81.775 | 378.9 | +3.41 | [illegible] | 532.42 |
| 7-7 | 8.47 | 82.73 | 367.6 | +3.34 | [illegible] | 532.62 |
| 7-8 | 8.54 | 83.355 | 360.0 | +3.25 | [illegible] | 532.67 |
| 7-9 | 9.00 | 83.50 | 359.5 | +3.20 | [illegible] | 532.74 |
| 7-10 | 9.05 | 83.53 | 359.3 | +3.07 | 531.19 | 532.62 |
| 7-11 | 9.13 | 82.14 | 378.9 | +2.99 | [illegible] | [illegible] |
| 7-12 | 9.22 | 81.88 | 384.7 | +2.95 | 530.10 | 532.43 |
| 7-13 | 9.27 | 81.525 | 389.4 | +2.90 | [illegible] | [illegible] |
| 7-14 | 9.35 | 81.575 | 392.0 | +2.65 | [illegible] | 532.43 |
| 7-15 | 9.50 | 81.24 | 398.0 | +2.54 | [illegible] | 532.37 |
| 7-16 | 9.54 | 81.15 | 401.5 | +2.44 | [illegible] | 532.42 |
| 7-17 | 9.59 | 81.09 | 401.5 | +2.35 | 530.86 | LAKE [illegible] |
| 7-18 | 10.04 | 80.8875 | 406.8 | +2.31 | [illegible] | [illegible] |
| 7-19 | 10.08 | 80.70 | 411.4 | +2.14 | [illegible] | 532.33 |
| RBs 6-1 | 10.19 | 82.85 | 355.9 | +3.95 | [illegible] | 532.57 |
| 7-20 | 10.31 | 80.50 | 417.9 | +2.04 | 530.79 | 532.47 |
| R5-4 | 10.37 | 80.07 | 422.8 | +1.90 | 530.52 | 532.21 |
| 7-21 | 10.45 | 79.935 | 424.6 | +1.97 | 530.58 | 532.28 |

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| 7-22 | 10.50 | 80.57 | 417.2 | +1.85 | 530.64 | 532.31 |
| 7-23 | 10.56 | 80.62 | 416.2 | +1.78 | 530.55 | 532.22 |
| 7-24 | 11.01 | 80.85 | 412.6 | +1.70 | 530.48 | 532.13 |
| 7-25 | 11.07 | 80.41 | 415.8 | +1.65 | 530.18 | 531.84 |
| 7-26 | 11.12 | 80.65 | 411.1 | +1.60 | 530.15 | 531.80 |
| 7-27 | 11.18 | 82.32 | 387.1 | +1.50 | 530.16 | 531.71 |
| 7-28 | 11.24 | 82.20 | 388.5 | +1.44 | [illegible] | 531.63 |
| 7-29 | 11.29 | 81.52 | 395.8 | +1.40 | [illegible] | 531.38 |
| 7-30 | 11.35 | 80.80 | 404.3 | +1.30 | [illegible] | 531.11 |
| 7-31 | 11.40 | 81.265 | 398.7 | +1.25 | [illegible] | 531.10 |
| 7-32 | 11.46 | 81.87 | 389.0 | +1.18 | [illegible] | 531.05 |
| 7-33 | 11.52 | 81.41 | 395.3 | +1.11 | [illegible] | 530.94 |
| 7-34 | 11.59 | 83.35 | 368.9 | +1.07 | 529.65 | 531.10 |
| 7-35 | 12.05 | 83.45 | 368.6 | +0.97 | [illegible] | [illegible] |
| 7-36 | 12.10 | 83.36 | 368.6 | +0.95 | 529.51 | [illegible] 530.98 |
| 7-37 | 12.14 | 83.72 | 368.5 | +0.85 | 529.71 | LAKE [illegible] |
| 7-38 | 12.19 | 83.76 | 361.9 | +0.80 | 529.34 | [illegible] |
| 7-39 | 12.24 | 81.285 | 398.3 | +0.70 | [illegible] | 530.60 |
| 7-40 | 12.28 | 81.12 | 411.1 | +0.65 | [illegible] | 530.26 |
| R4-6 | 12.37 | 82.995 | 385.4 | +0.65 | 529.91 | 531.45 |
| RBs 6-1 | 12.54 | 82.81 | 355.9 | +3.95 | [illegible] | 532.57 |
| Bs 'B' | 1.05 | 82.575 | 211.4 | | | |
| RBs 6-1 | 1.16 | 82.81 | 355.9 | +3.95 | | |

very windy [illegible] -

C.Bell

SHEET NO. 17

# OVERLAND EXPLORATION SERVICES LTD.
## GRAVITY METER CALCULATION SHEET

Job. INUVIK  Inst. No. 149  Density

Date 25 APRIL 69  Meter Const.  Comb. Free Air-Corr. Const.

| STN | TIME | INST. READING | ELEVA-TION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| Bs3-56 | 1.15 | 95.07 | 56.9 | +3.15 | [illegible] | 524.16 |
| R.M.-35 | 1.28 | 95.81 | 43.3 | +4.20 | [illegible] | 525.05 |
| M-34 | 1.33 | 95.65 | 43.3 | +4.30 | 524.80 | 524.98 |
| M-33 | 1.41 | 95.555 | 43.3 | +4.40 | 524.80 | 524.97 |
| M-32 | 1.51 | 95.48 | 43.4 | +4.50 | [illegible] | 525.00 |
| M-31 | 1.59 | 95.55 | 43.4 | +4.60 | [illegible] | 525.17 |
| M-30 | 2.08 | 95.45 | 43.4 | +4.70 | [illegible] | 525.16 |
| M-29 | 2.17 | 95.44 | 43.4 | +4.80 | [illegible] | 525.25 |
| M-28 | 2.27 | 95.47 | 43.4 | +4.90 | [illegible] | 525.38 |
| M-27 | 2.38 | 95.40 | 43.3 | +5.00 | [illegible] | 525.41 |
| M-26 | 2.47 | 95.39 | 43.3 | +5.10 | [illegible] | 525.44 |
| R.Bs3-56 | 2.57 | 95.06 | 56.9 | +3.15 | [illegible] | 524.16 |

| STN | TIME | INST. READING | ELEVA-TION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|

STATIONS MARKED M ARE ON MACKENZIE RIVER

C.N. Bell

# OVERLAND EXPLORATION SERVICES LTD.
## GRAVITY METER CALCULATION SHEET

SHEET NO. 18

Job. NUVIK Inst. No. 149 Density

Date 26 APRIL 69 Meter Const. Comb. Free Air-Corr. Const.

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| Bs3-56 | 12.20 | 95.08 | 56.9 | +3.15 | 523.95 | 524.16 |
| R-M71 | 1.07 | 97.81 | 42.6 | +1.09 | 523.97 | 523.96 |
| M72 | 1.12 | 97.99 | 42.5 | +1.03 | 523.8[illegible] | 524.05 |
| M73 | 1.28 | 98.15 | 42.5 | +0.90 | [illegible] | 524.11 |
| M74 | 1.33 | 98.23 | 42.5 | +0.80 | 523.12 | 524.[illegible] |
| M75 | 1.37 | 98.42 | 42.5 | +0.69 | 52[illegible].91 | 524.15 |
| M76 | 1.42 | 98.64 | 42.5 | +0.57 | 524.13 | 524.20 |
| M77 | 1.48 | 98.75 | 42.5 | +0.45 | 524.12 | 524.29 |
| M78 | 1.54 | 99.04 | 42.5 | +0.31 | 52[illegible].21 | 524.[illegible]4 |
| R-Bs3-56 | 2.10 | 95.11 | 56.9 | +3.15 | 52[illegible] | 524.16 |

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|

C N Bell

# OVERLAND EXPLORATION SERVICES LTD.
## GRAVITY METER CALCULATION SHEET

SHEET NO. 19

Job. NUVIK  Inst. No. 149  Density

Date 27 APRIL 69  Meter Const.  Comb. Free Air-Corr. Const.

| STN | TIME | INST. READING | ELEVA-TION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| BS3-56 | 11.45 | 95.06 | 56.9 | +3.15 | [illegible] | 524.16 |
| RM26 | 12.00 | 95.32 | 43.3 | +5.10 | [illegible] | 525.44 |
| M25 | 12.07 | 95.15 | 43.5 | +5.20 | 525.19 | 525.36 |
| M24 | 12.15 | 94.95 | 43.5 | +5.24 | [illegible] | 525.24 |
| M23 | 12.23 | 94.83 | 43.5 | +5.39 | [illegible] | 525.22 |
| M22 | 12.31 | 94.84 | 43.6 | +5.50 | [illegible] | [illegible] |
| M21 | 12.39 | 95.12 | 43.6 | +5.6[illegible] | [illegible] | 525.74 |
| M20 | 12.46 | 95.23 | 43.6 | +5.70 | [illegible] | 525.95 |
| M19 | 12.53 | 95.28 | 43.6 | +5.83 | [illegible] | 526.13 |
| M18 | 12.59 | 95.26 | 43.6 | +5.95 | [illegible] | 526.33 |
| M17 | 1.04 | 95.20 | 43.7 | +6.05 | [illegible] | 526.28 |
| M16 | 1.11 | 95.01 | 43.7 | +6.15 | [illegible] | 526.18 |
| M15 | 1.17 | 95.13 | 43.7 | +6.26 | [illegible] | 526.41 |
| M14 | 1.24 | 95.16 | 43.7 | +6.35 | [illegible] | 526.53 |
| M13 | 1.29 | 95.10 | 43.7 | +6.49 | [illegible] | 526.60 |
| M12 | 1.35 | 94.99 | 43.8 | +6.55 | [illegible] | 526.55 |
| M11 | 1.41 | 95.03 | 43.8 | +6.65 | [illegible] | [illegible] |
| M10 | 1.48 | 95.02 | 43.8 | +6.71 | [illegible] | 526.74 |
| M9 | 1.58 | 94.63 | 43.8 | +6.77 | [illegible] | 526.39 |
| M8 | 2.07 | 94.38 | 43.9 | +6.86 | [illegible] | 526.20 |
| RBS3-56 | 2.24 | 95.10 | 56.9 | +3.15 | [illegible] | 524.16 |
| R.M8 | 2.39 | 94.38 | 43.9 | +6.85 | [illegible] | 526.20 |
| M7 | 2.46 | 94.34 | 43.9 | +6.95 | 526.08 | 526.26 |

| STN | TIME | INST. READING | ELEVA-TION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| M6 | 2.53 | 94.10 | 44.0 | +7.10 | [illegible] | 526.17 |
| M4 | 3.01 | 93.78 | 44.0 | +7.30 | 525.85 | 526.03 |
| M3 | 3.07 | 93.50 | 44.0 | +7.42 | 525.66 | 525.9[illegible] |
| M1 | 3.15 | 93.14 | 44.0 | +7.65 | [illegible] | 525.71 |
| M2 | 3.30 | 93.265 | 43.9 | +7.55 | 525.56 | 525.74 |
| M5 | 3.38 | 93.89 | 43.9 | +7.20 | [illegible] | 526.07 |
| RBS3-56 | 3.54 | 95.10 | +56.9 | +3.15 | [illegible] | 524.16 |

Inli. Project, repeat only.

CNBell

# OVERLAND EXPLORATION SERVICES LTD.
## GRAVITY METER CALCULATION SHEET

SHEET NO. 20

Job. INUVIK  Inst. No. 149  Density

Date 27 APRIL 69  Meter Const.  Comb. Free Air-Corr. Const.

| STN | TIME | INST. READING | ELEVA-TION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| Bs. 'A' | 8.02 | 78.94 | 238.0 | +12.16 | 527.63 | 528.59 |
| STN 50 | 8.18 | 88.36 | 45.0 | +13.46 | [illegible] | 525.66 |
| 51 | 8.23 | 89.335 | 49.0 | [illegible] | 526.25 | 526.44 |
| 52 | 8.28 | 88.36 | [illegible] | +13.46 | [illegible] | [illegible] |
| 53 | 8.40 | 89.315 | 51.0 | +13.70 | [illegible] | 527.05 |
| 55 | 9.01 | 89.475 | 158.0 | +14.35 | [illegible] | [illegible] |
| 56 | 9.09 | 89.22 | 167.0 | +14.55 | [illegible] | [illegible] |
| 57 | 9.19 | 78.62 | 211.0 | +15.04 | [illegible] | 529.24 |
| 65 | 9.27 | 78.39 | 215.0 | +15.25 | 528.63 | [illegible] |
| 58 | 9.39 | 78.98 | 211.0 | +14.86 | [illegible] | 529.44 |
| 59 | 9.45 | 87.43 | 45.0 | +15.67 | [illegible] | 527.66 |
| R. Bs 'A' | 9.59 | 78.97 | 238.0 | +12.16 | 527.63 | [illegible] |

| STN | TIME | INST. READING | ELEVA-TION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|

Mackenzie River Stations

C N Bell

# OVERLAND EXPLORATION SERVICES LTD.
## GRAVITY METER CALCULATION SHEET

SHEET NO. 21

Job. INUVIK  Inst. No. 149  Density

Date 28 APRIL 69  Meter Const.  Comb. Free Air-Corr. Const.

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| BS3-56 | 10.08 | 95.07 | 56.9 | +3.15 | 523.93 | 524.16 |
| R M1 | 10.26 | 93.11 | 44.0 | +7.65 | 525.52 | 525.71 |
| M79 | 10.32 | 92.74 | 44.0 | +7.74 | 525.23 | 525.41 |
| M80 | 10.38 | 92.43 | 44.0 | +7.85 | 525.02 | 525.20 |
| M81 | 10.43 | 92.25 | 44.1 | +7.95 | 524.94 | 525.11 |
| M82 | 10.48 | 92.00 | 44.1 | +8.05 | 524.73 | 524.95 |
| M83 | 10.52 | 91.78 | 44.1 | +8.14 | 524.64 | 524.81 |
| M84 | 10.56 | 91.47 | 44.1 | +8.24 | 524.40 | 524.57 |
| M85 | 11.00 | 91.335 | 44.1 | +8.32 | 524.34 | 524.51 |
| M86 | 11.04 | 91.275 | 44.2 | +8.43 | 524.39 | 524.57 |
| M87 | 11.07 | 91.20 | 44.2 | +8.52 | 524.40 | 524.58 |
| M88 | 11.13 | 91.48 | 44.2 | +8.60 | 524.77 | 524.95 |
| M89 | 11.17 | 91.66 | 44.2 | +8.70 | 525.06 | 525.24 |
| M90 | 11.23 | 91.67 | 44.2 | +8.79 | 525.16 | 525.34 |
| RBS3-56 | 11.43 | 95.08 | 56.9 | +3.15 | 523.93 | 524.16 |

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| new s | tart and | repeat | 5.8 - | 1 ass | [illegible] | * |
| | | | | | | |
| Bs. 'A' | 7.19 | 78.95 | 238.0 | +12.16 | / | 528.58 |
| 83 | 7.44 | 80.75 | 232.0 | +12.33 | 529.30 | 530.23 |
| 85 | 7.55 | 80.31 | 239.0 | +12.57 | 529.54 | 530.49 |
| 82 | 8.05 | 77.025 | 287.0 | +12.95 | 529.59 | 530.73 |
| 86 | 8.13 | 81.03 | 239.0 | +13.00 | 530.72 | 531.67 |
| 88 | 8.22 | 80.51 | 233.0 | +13.24 | 530.03 | 530.96 |
| Sm A | 8.35 | 88.05 | 46.0 | +14.15 | 526.63 | 526.81 |
| Sm B. | 8.47 | 88.61 | 46.0 | +14.65 | 527.72 | 527.90 |
| RBs 'A' | 9.01 | 78.95 | 238.0 | +12.16 | | 528.58 |

New stations in Inuvik project marked A, B, C, etc. DO NOT CONFUSE WITH BASE'S A B C etc

1000 stn and repeat [illegible] of [illegible]

CNBell

# OVERLAND EXPLORATION SERVICES LTD.
## GRAVITY METER CALCULATION SHEET

SHEET NO. 22

Job. INUVIK  Inst. No. 149  Density

Date 29 APRIL 69.  Meter Const.  Comb. Free Air-Corr. Const.

| STN | TIME | INST. READING | ELEVA-TION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| Bs 'A' | 7.50 | 78.94 | 333.0 | +12.16 | | 528.5[illegible] |
| STN C | 8.07 | 86.88 | 70.0 | +15.03 | 529.21 | 529.51 |
| STN D | 8.17 | 84.69 | 139.0 | +15.43 | 530.50 | [illegible] |
| STN E | 8.24 | 84.18 | 150.0 | +15.33 | [illegible] | 531.67 |
| STN F | 8.34 | 89.57 | 46.0 | +15.21 | [illegible] | 530.18 |
| 79 | 8.41 | 86.66 | 47.0 | +15.20 | 526.45 | [illegible] |
| 80 | | | | | | |
| 71 | 8.50 | 76.46 | 326.0 | +14.42 | [illegible]40 | 531.51 |
| 94 | 8.57 | 76.66 | 235.0 | +13.97 | 530.29 | [illegible] |
| 95 | 9.06 | 83.86 | 183.0 | +13.76 | 530.34 | 531.47 |
| RBs 'A' | 9.35 | 78.95 | 333.0 | +12.16 | | 528.[illegible]1 |

| STN | TIME | INST. READING | ELEVA-TION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|

new stn SE of airport

C.N. Bell.

# OVERLAND EXPLORATION SERVICES LTD.
## GRAVITY METER CALCULATION SHEET

SHEET NO. 23

Job. INUVIK  Inst. No. 149  Density

Date 30 APRIL 69  Meter Const.  Comb. Free Air-Corr. Const.

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| BS.A | 7.22 | 78.91 | [illegible] | | | |
| STN. G | 7.46 | 81.79 | 50.0 | +16.23 | 522.51 | [illegible] |
| STN. I | 7.52 | 67.79 | 33.0 | +17.56 | 527.47 | [illegible] |
| STN. H | 8.08 | 88.49 | [illegible] | +16.65 | [illegible] | 527.81 |
| STN. J | 8.17 | 87.61 | 15.0 | -16.60 | [illegible] | 528.84 |
| STN. L | 8.26 | 82.40 | 45.0 | +17.22 | 523.91 | 523.77 |
| STN. M | 8.35 | 81.13 | 38.0 | +17.80 | 525.85 | 526.70 |
| STN. N | 8.46 | 61.55 | 142.0 | +18.18 | [illegible] | 531.54 |
| STN. O | 8.56 | 61.93 | [illegible] | +18.42 | 530.74 | 532.04 |
| STN. P | 9.05 | 83.72 | 167.0 | +19.36 | [illegible] | [illegible] |
| RBS T | 9.25 | 78.905 | [illegible] | | | |

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|

Airport to N.E. end of line 6 - heli work

C N Bell

SHEET NO. 24

# OVERLAND EXPLORATION SERVICES LTD.
## GRAVITY METER CALCULATION SHEET

Job. INUVIK Inst. No. 149 Density

Date 1 MAY 69 Meter Const. Comb. Free Air-Corr. Const.

| STN | TIME | INST. READING | ELEVA-TION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| Bs 'A' | 7.16 | 78.85 | 232.0 | | | |
| 200 | 7.39 | 75.83 | 296.0 | +11.47 | 527.53 | 528.71 |
| 201 | 7.48 | 74.52 | 320.0 | +11.05 | 527.32 | 528.58 |
| 202 | 7.56 | 70.50 | 377.0 | +10.49 | 526.73 | 527.73 |
| 203 | 8.10 | 63.35 | 459.0 | +9.97 | 523.52 | 525.35 |
| 204 | 8.18 | 57.86 | 511.0 | +9.30 | 520.47 | 522.51 |
| 205 | 8.27 | 57.41 | 525.0 | +8.70 | 520.31 | 522.41 |
| 206 | 8.37 | 81.78 | 259.0 | +3.00 | 527.93 | 528.91 |
| 207 | 8.46 | 75.56 | 331.0 | +7.32 | 525.37 | 526.69 |
| 208 | 8.43 | 77.05 | 330.0 | +6.72 | [illegible] | 527.51 |
| R.Bs.6-1 | 9.05 | 82.975 | 255.9 | [illegible] | 531.37 | 532.80 |
| R.Bs'A' | 9.25 | 78.69 | [illegible] | | | |

| STN | TIME | INST. READING | ELEVA-TION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| | | | | | | |

tidy up [illegible] of lines 4 and 5.

CABLE

# OVERLAND EXPLORATION SERVICES LTD.
## GRAVITY METER CALCULATION SHEET

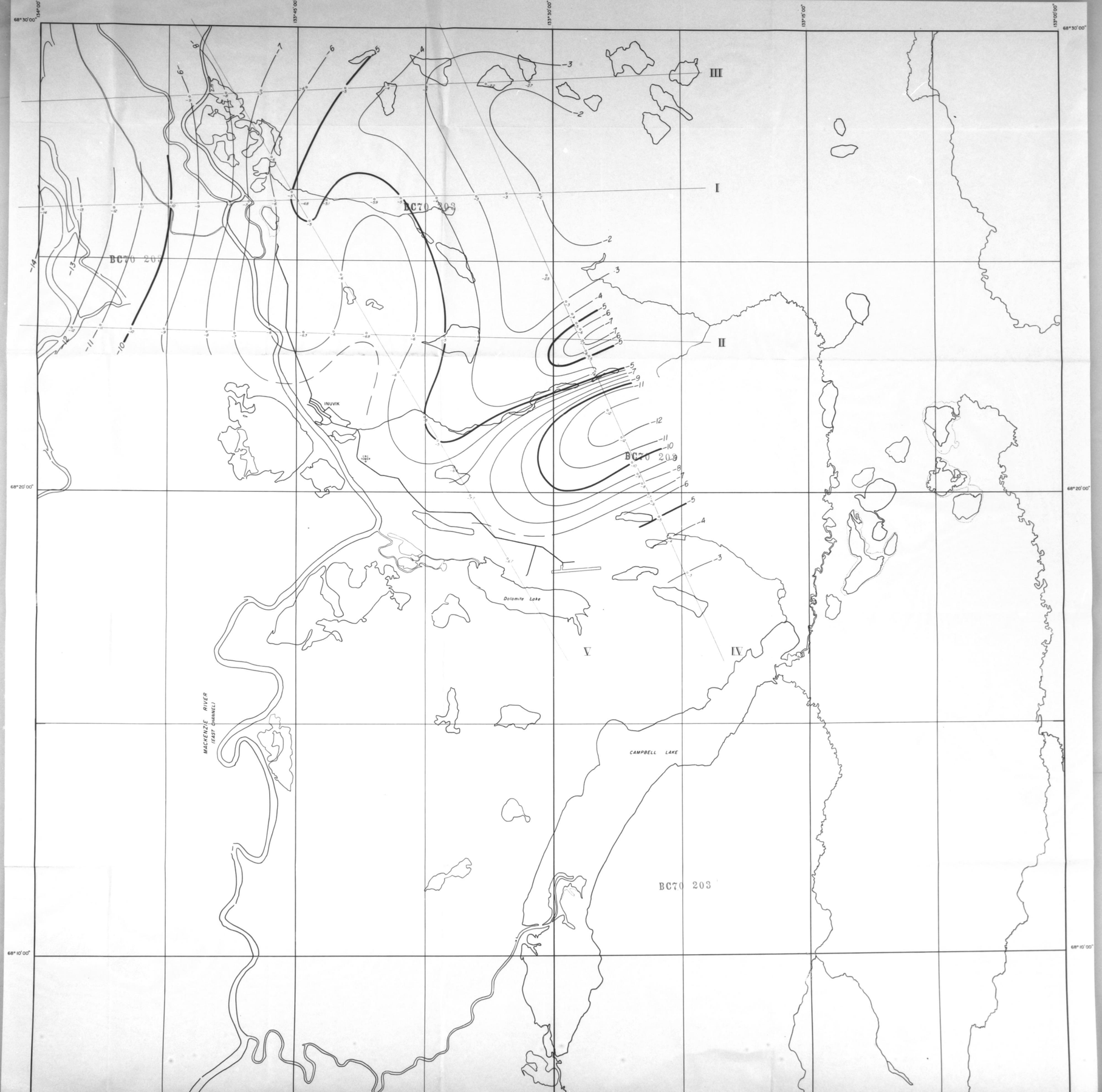
SHEET NO. 25

Job. INUVIK  Inst. No. 149  Density

Date 2 MAY 69  Meter Const.  Comb. Free Air-Corr. Const.

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|
| Bs D' | 10.00 | 91.38 | | | | |
| P-Bs D' | 10.07 | 91.365 | | | | |
| P-Bs D' | 10.26 | 91.38 | | | | |
| P-Bs D' | 10.40 | 91.38 | | | | |
| 4-95 | 11.15 | 90.70 | 45.0 | +7.00 | 522.46 | 522.64 |
| 4-96 | 11.21 | 90.34 | 45.0 | +7.20 | 522.24 | 522.46 |
| 4-97 | 11.27 | 90.12 | 45.0 | +7.50 | [illegible] | [illegible] |
| 4-98 | 11.35 | 89.04 | 45.0 | +7.90 | [illegible] | 521.77 |
| 4-99 | 11.43 | 89.35 | 45.0 | +7.72 | [illegible] | 521.94 |
| 5-94 | 11.55 | 91.29 | 46.5 | +8.31 | 524.74 | 524.94 |
| 5-95 | 12.01 | 90.27 | 46.5 | +8.82 | [illegible] | 521.81 |
| 5-96 | 12.06 | 89.46 | 46.5 | +9.05 | 523.13 | 523.32 |
| 5-97 | 12.11 | 89.11 | 46.5 | +9.19 | 523.01 | 523.26 |
| 5-98 | 12.16 | 87.76 | 46.5 | +9.55 | 522.91 | 522.22 |
| RBs D' | 12.30 | 91.375 | | | | |

| STN | TIME | INST. READING | ELEVATION | LAT. CORR. | BOUGER VALUE | |
|---|---|---|---|---|---|---|


68°30'00"
134°00'
133°45'00"
133°30'00"
133°15'00"
133°00'00"
68°20'00"
68°10'00"
III
I
II
IV
V
BC70 203
INUVIK
Dolomite Lake
CAMPBELL LAKE
MACKENZIE RIVER
(EAST CHANNEL)

1 of 2

**MAP EVALUATION**

Qualification considers type of map or play, amount of relief considered critical, quality of data and density of control, (geophysical or geological).

CONTOUR LEGEND

- Geological Data
- Reliable Geophysical Data
- Qualitatively Reliable Geophysical Data
- Unreliable Geophysical Data

Remarks:

**SHOOTING HISTORY (Not in detail)**

| INCL. DATES | SHOT BY | SHOT FOR | S.P. AND/OR LINE No's |
|---|---|---|---|
| | | | |

**INTERPRETIVE HISTORY**

| FINAL REPORT No. | DATE | INTERP. | CO. AFFIL. | APPROX. LOC. ON MAP |
|---|---|---|---|---|
| | | | | |

This map replaces/supplements Registration No. _____ dated _____, which is to be destroyed/kept
(Refer transmittal letter)

Map distribution: ☐ Division ☐ General Office

| Maps prepared this report | Div. | G.O. |
|---|---|---|
| | ☐ | ☐ |
| | ☐ | ☐ |
| | ☐ | ☐ |
| | ☐ | ☐ |
| | ☐ | ☐ |

This map checked by _____ Pan Am Geophysicist/Geologist

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VELOCITY PLAT AND EFFECT OF REF. PLANE AND/OR VELOCITY ON TIME MAP

LEGEND
- Conventional Survey
- S.V.L.
- Synthetic Record
- Computed Velocity

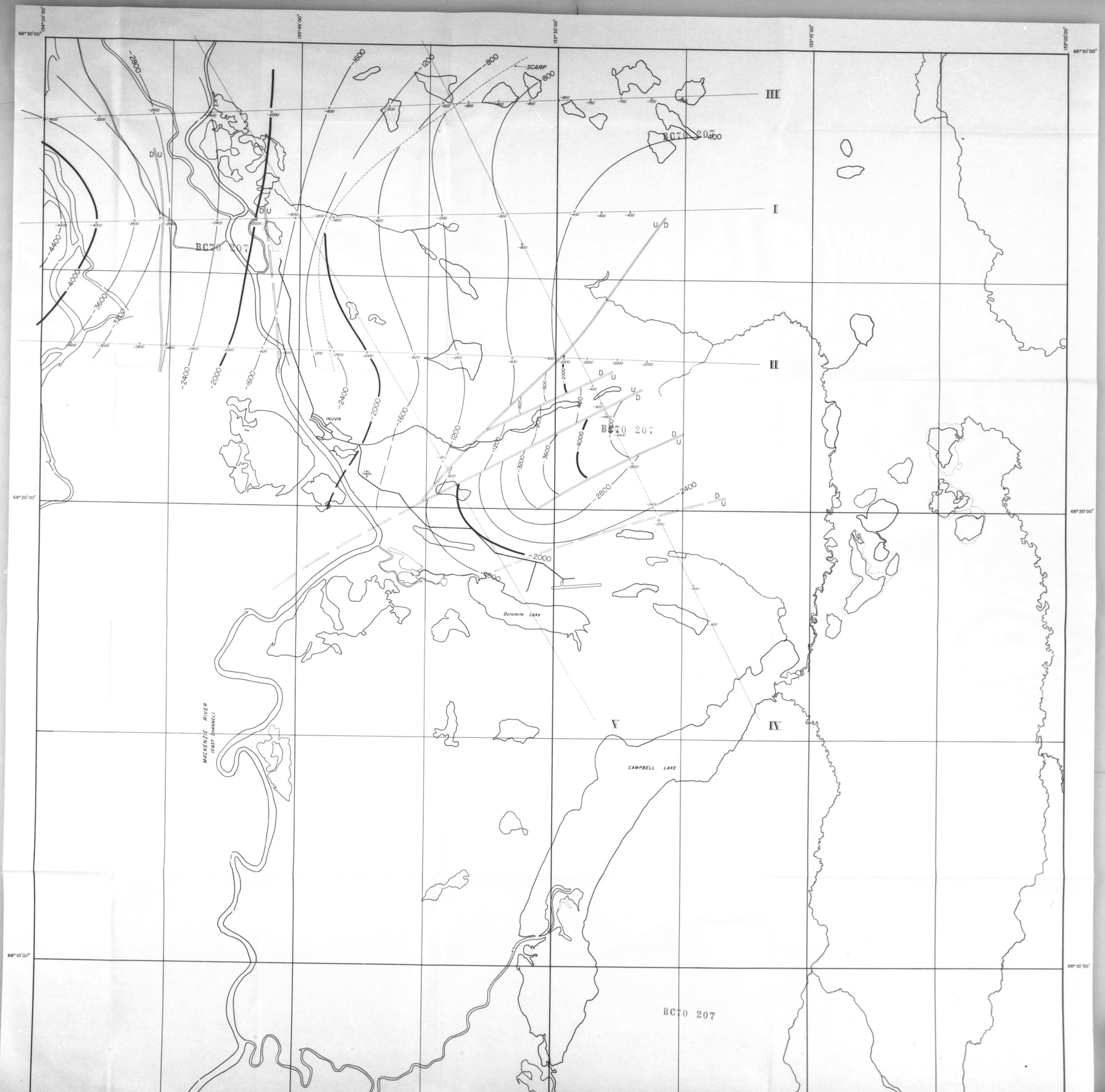
**PAN AMERICAN PETROLEUM CORPORATION**
CALGARY DIVISION

AREA: Inuvik GRID: CU-8/SW,SE
PROVINCE: N.W.T. SCALE: 1" = 4000'
HORIZON:
TYPE OF MAP: CALCULATED BOUGER (S.B.) CONTOUR INT. 1 MG.
SHOT BY: FOR:
INCL. DATES:
INTERP. BY: CO. AFFIL.:
REPORT No. (ENCL 3) DATE:
REMARKS:
d0'-3 BC70 203

GEOLOGICAL INT. DATE
FROM GEOPH. REPORT No.(s): DATED:
REMARKS:

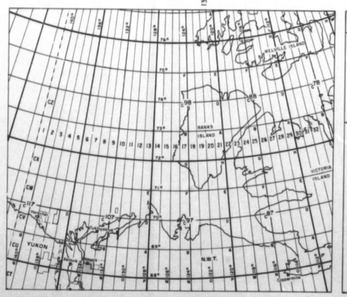
CLASS I

2+2


134°00'00"
133°45'00"
133°30'00"
133°15'00"
133°00'00"
68°30'00"
68°20'00"
68°10'00"
SCARP
INUVIK
Dolomite Lake
CAMPBELL LAKE
MACKENZIE RIVER
(EAST CHANNEL)
I
II
III
IV
V
BC70 207

1 of 2

BC70 207




## MAP EVALUATION

Qualification considers type of map or plan, amount of relief considered critical, quality of data and density of control, (geophysical or geological).

CONTOUR LEGEND

- Geological Data
- Reliable Geophysical Data
- Qualitatively Reliable Geophysical Data
- Unreliable Geophysical Data

Remarks:

## SHOOTING HISTORY (Not in detail)

| INCL. DATES | SHOT BY | SHOT FOR | S.P. AND/OR LINE No's |
|---|---|---|---|
| | | | |

## INTERPRETIVE HISTORY

| FINAL REPORT No. | DATE | INTERP. | CO. AFFIL. | APPROX. LOC. ON MAP |
|---|---|---|---|---|
| | | | | |

This map replaces/supplements Registration No. _____ dated _____, which is to be destroyed/kept.
(Refer inspection dated _____)

Map distribution: ☐ Division ☐ General Office

Maps prepared this report: ☐ DIV ☐ GS

This map checked by _____
For Ass. Geophysicist / Geologist

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VELOCITY PLAT AND EFFECT OF REF. PLANE AND/OR VELOCITY ON TIME MAP

LEGEND
O Conventional Survey
● C.V.L.
■ Synthetic Record
X Computed Velocity

**PAN AMERICAN PETROLEUM CORPORATION**
CALGARY DIVISION

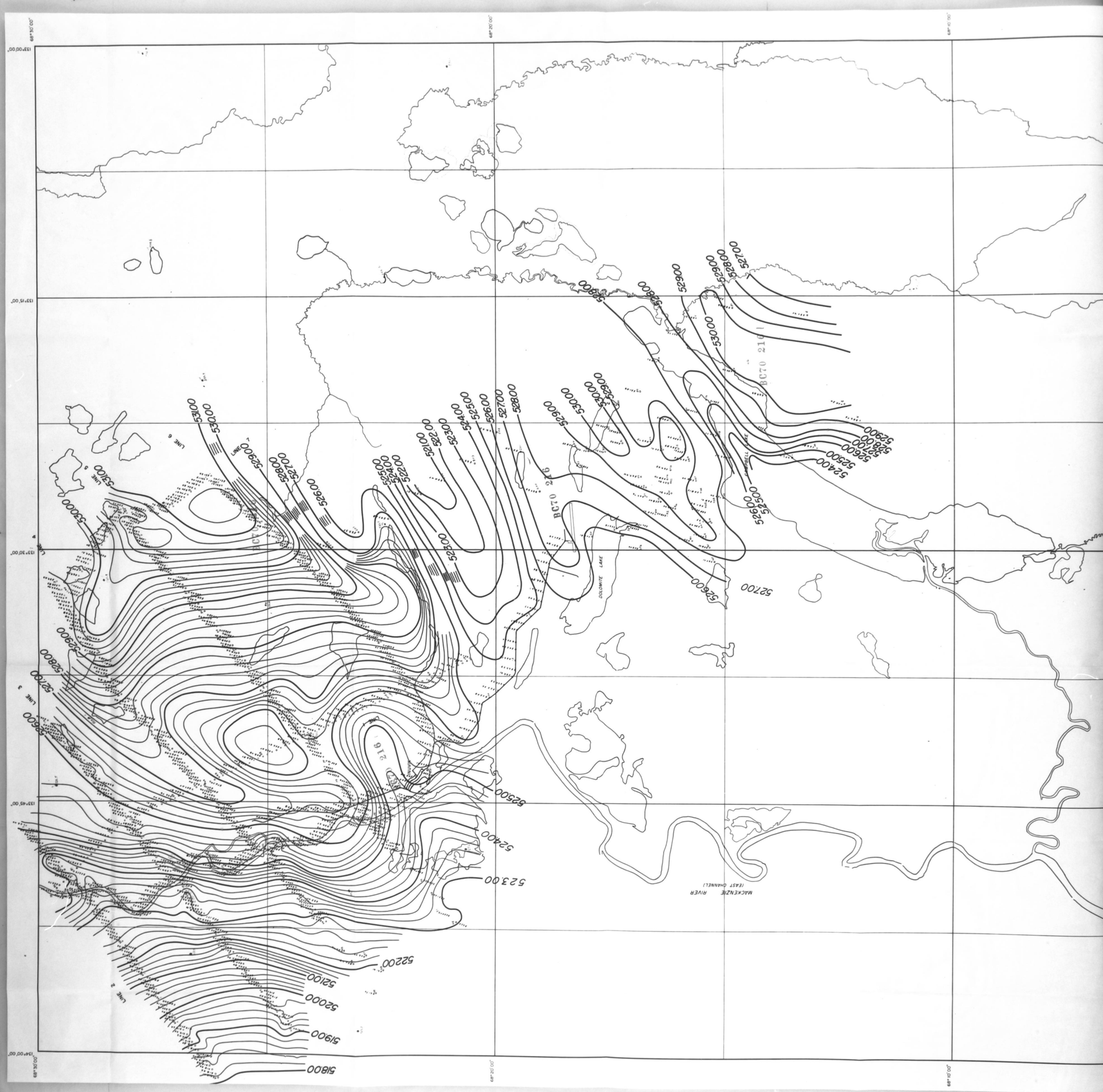
AREA: Inuvik — GRID: CU - B/SW, SE
PROVINCE: N.W.T. — SCALE: 1" = 4000'
HORIZON: DEV. LIMESTONE and to ORDOV. SIL.
TYPE OF MAP: C.C.M. — CONTOUR INT. 400 ft
SHOT BY: — FOR:
INCL. DATES:
INTERP. BY: — CO. AFFIL.:
REPORT No. (ENCL. 2) — DATE:
REMARKS: DEPTH FROM GRAVITY INTERPRETATION.

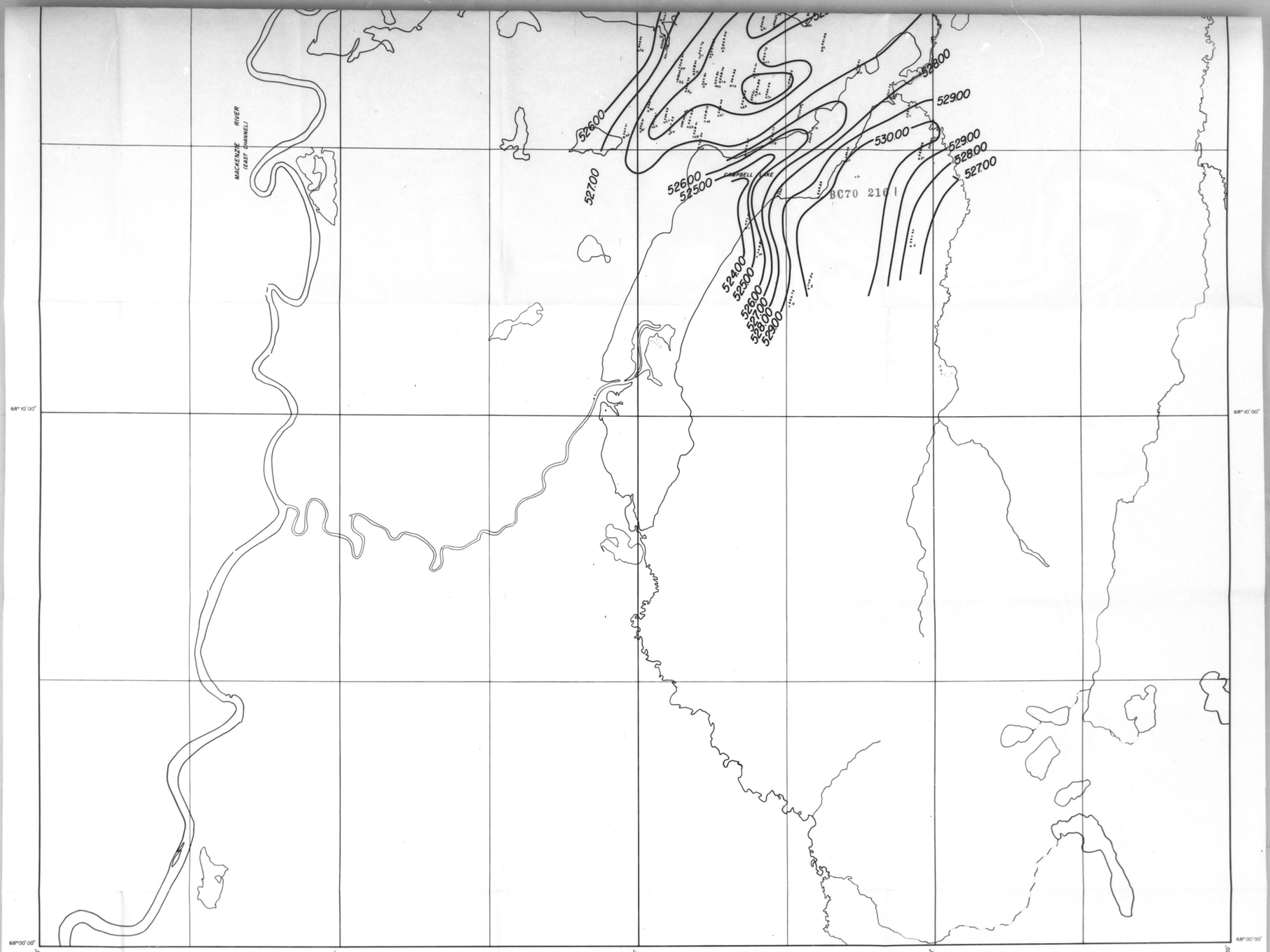
BC70 207

GEOLOGICAL INT. — DATE
FROM GEOPH. REPORT No.(s) — DATED:
REMARKS:

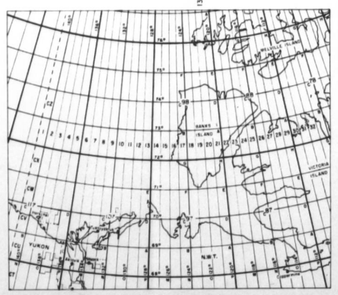
CLASS I

242


MACKENZIE RIVER
(EAST CHANNEL)
DOLOMITE LAKE
LINE 1
LINE 2
LINE 3
LINE 4
LINE 5
LINE 6
LINE 7
LINE 8
LINE 9
134°00'00"
133°45'00"
133°30'00"
133°15'00"
133°00'00"
69°50'00"
69°30'00"
69°10'00"




OVERLAND
EXPLORATION SERVICES LTD.



**MAP EVALUATION**

Qualification considers type of map or play, amount of relief considered critical, quality of data and density of control, (geophysical or geological).

CONTOUR LEGEND

- Geological Data
- Reliable Geophysical Data
- Qualitatively Reliable Geophysical Data
- Unreliable Geophysical Data

Remarks:

**SHOOTING HISTORY (Not in detail)**

| INCL. DATES | SHOT BY | SHOT FOR | S.P. AND/OR LINE No's |
|---|---|---|---|
| | | | |

**INTERPRETIVE HISTORY**

| FINAL REPORT No. | DATE | INTERP | CO. AFFIL | APPROX LOC. ON MAP |
|---|---|---|---|---|
| | | | | |

This map replaces/supplements Registration No. _____ dated _____ which is to be destroyed/filed?
(Refer transmittal dated _____ )

Was distribution ☐ Division ☐ General Office

Maps prepared this report

| | Div | GO |
|---|---|---|
| | ☐ | ☐ |
| | ☐ | ☐ |
| | ☐ | ☐ |
| | ☐ | ☐ |
| | ☐ | ☐ |

This map checked by _____

For Ass. Geophysicist/Geologist

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VELOCITY FLAT AND EFFECT OF REF. PLANE AND/OR VELOCITY ON TIME MAP

LEGEND
- Conventional Survey
- C.R.S.
- Synthetic Record
- Computed Velocity

**PAN AMERICAN PETROLEUM CORPORATION**
CALGARY DIVISION

AREA: Inuvik — GRID: CU-B/SW,SE
PROVINCE: N.W.T. — SCALE: 1" 4000'
HORIZON: BOUGUER GRAVITY
TYPE OF MAP: — CONTOUR INT: 0.2 MG
SHOT BY: O.E.S. — FOR: PAN AM
INCL. DATES: 5/3 – 3/5 1969
INTERP. BY: E. WEEMERTS — CO. AFFIL.
REPORT No: 69-59 — DATE: JUNE 5, 1969
REMARKS: ENCL. 1

BC70 216

GEOLOGICAL INT — DATE
FROM GEOPH. REPORT No.(s) — DATED
REMARKS:

CLASS I

2 of 2