REPORT ON
GEOLOGICAL AND GEOCHEMICAL SURVEYS
CONDUCTED JULY 12 - AUGUST 17, 1982

TRANZ 1-14 CLAIMS - YA68631-YA68644
WATSON LAKE M.D., YUKON
CLAIM SHEET 95C/5
LATITUDE 60°28'N; LONGITUDE 125°56'W

JANUARY, 1983
R.J. CATHRO, P.Eng.

001459
This report has been examined by
the sworn statement
under oath of Eugene Quartz
Miner. He has exercised as
representative to the list, the amount
of $6,650.

[Signature]

[Title: Minister of Finance, Exploration and
General Services for Commissioner
of Yukon Territory.]
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<thead>
<tr>
<th>Figure No.</th>
<th>Pocket</th>
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<tbody>
<tr>
<td>1</td>
<td>A.</td>
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<tr>
<td>Tranz Property, Geology and Lead, Zinc, Copper and Silver Geochemistry</td>
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</table>

## Appendices

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INTRODUCTION

The Tranz property was staked by ZX Joint Venture (Chevron Canada Limited, Enterprise Exploration Limited and SMD Mining Co. Ltd.) in July, 1982 over a string of tufa and ferricrete gossans 1.5 km long that contains strongly anomalous amounts of zinc, nickel and cobalt. Geological mapping and geochemical sampling was conducted from July 12 to August 17, 1982. The program was managed by R.C. Carne and C.A. Main of Archer, Cathro & Associates (1981) Limited.

PROPERTY, LOCATION AND ACCESS

The property consists of 14 contiguous claims recorded in the name of Archer, Cathro & Associates (1981) Limited at the Watson Lake Mining Record's office, Yukon, as follows:

<table>
<thead>
<tr>
<th>Claim Name</th>
<th>No. Claims</th>
<th>Mining District</th>
<th>Claim Sheet</th>
<th>Grant Numbers</th>
<th>Expiry Date</th>
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<tbody>
<tr>
<td>Tranz 1-14</td>
<td>14</td>
<td>Watson Lake</td>
<td>95C/5</td>
<td>YA68631-YA68644</td>
<td>July 9/83</td>
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</table>

The Tranz property is located near the boundary of Northwest Territories with the Yukon Territory at 60°28'N latitude and 125°56'W longitude; 180 km northeast of Watson Lake, Y.T. Access in 1982 was by helicopter from a camp near the Alaska Highway at the Liard River crossing (Km 792), 160 km south of the property.
GEOMORPHOLOGY

The property is in an area of broad hills that rise to a uniform elevation of about 1400 m. Relief is occasionally steep in some narrow stream channels and along the Beaver River. In general, valleys are wide and drain to the southeast. Most of the area is heavily vegetated with treeline at about 1400 m. Forest fires have burned extensive sections, greatly impeding ground travel.

The distribution of glacial erratics and presence of glacial features such as eskers, terraces, lakes, lacustrine and glaciofluvial deposits indicate that most of the area was glaciated in the Pleistocene.

STRATIGRAPHY

Most of the geological information on the property is based on the results of detailed stratigraphic and structural mapping performed during 1982 by ZXJV geologists, particularly Randy Parrish, within this area of generally poor exposure. The geology of the belt is plotted at a scale of 1:10,000 on Figure 1, in pocket.

The following Table of Formations is representative of the belt.

<table>
<thead>
<tr>
<th>TABLE 1: TRANZ PROPERTY, TABLE OF FORMATIONS</th>
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<tbody>
<tr>
<td>Ordovician</td>
</tr>
<tr>
<td>Os Sunblood Formation: this unit consists of grey to buff weathering, medium to light grey dolomite. Rare chert nodules have been observed only in the uppermost part of this unit, just west of the Tranz claims. The dolomite is sugary to dense and crystalline, thick bedded and rather homogeneous. The unit is over 300 m thick and no base was seen.</td>
</tr>
</tbody>
</table>
Ordovician and Silurian

OS\textsubscript{Q} Well-bedded, gritty quartz sandstone and quartz pebble grit up to 100 m thick lies between Sunblood Formation dolomite and Road River shale and provides a very useful structural and stratigraphic marker in the area of the Tranz claims. Minor silty shale, siltstone and thin-bedded sandstone with black shale partings are also present. The silty rocks appear bioturbated and resemble turbiditic clastic rocks.

This unit in the area of the Tranz claims comprises gritty quartz sandstone, quartz pebble grit and minor silty shale, siltstone and thin-bedded sandstone with black shale partings.

Ordovician, Silurian and Devonian

OSD\textsubscript{RR} The Road River Formation is fairly well exposed west of Spruce Lake (north of Figure 1) and consists of 350 to 600 m of black and, in part, blue-grey weathering, graptolitic shale and cherty shale, laminated, buff to medium brown dolomitic siltstone, black silty limestone and some minor coaly or carbonaceous black beds. This unit generally underlies the more resistant, laminated siltstone and calcareous rocks that form cliffs along the Beaver River. Straight monograptids and a curved, almost circular monograptid are common in the black shales to the point that their absence in a black shale probably indicates that it is not of Road River age.

Devonian

Dc Carbonates of middle Devonian age, based on the presence of crinoidal fragments with ossicles with twin axial canals, were observed southeast of the Tranz claims.
Devonian and Mississippian - Lower Earn Group

DM_e

The Lower Earn Group dominantly consists of "gun-blue" weathering, siliceous to cherty, carbonaceous, jet-black shales. In contrast to other Paleozoic shale units, the Lower Earn Group rarely contains such distinctive lithologies as siltstones, carbonates or brown weathering clastic rocks. Thickness of the unit is variable, reaching a maximum of 650 to 900 m in the vicinity of the Tranz claims. To the north of the Tranz claims, the upper part of the unit contains distinctive orange weathering septarian nodules.

Fossils found in the Earn Group include vascular plant fragments up to 20 cm in length, "Y"-shaped sponge spicules up to 1 cm long and straight, tapered segmented cephalopods up to 10 cm long. None of these are found in the Road River Formation, nor are any graptolites found in the Earn Group and hence the presence of those fossil types is diagnostic of the respective lithologic units.

Carboniferous and Permian - Mattson Formation

CP_m

Overlying the Lower Earn Group is the 200 m thick Mattson Formation. The lower part consists of a distinctive, resistant, buff-white, thick-bedded and massive quartz-arenite and quartzite that is about 30 m thick. This grades upwards into a more heterogeneous assemblage of quartz sandstone and grit (with white feldspar fragments), silty shale, soft fissile shale, impure sandstone and siltstone. Bedding in the quartz-arenite unit is often indistinct and is defined by a load-casted surface, which can appear pitted.

The boundary between the Mattson Formation and Lower Earn Group, which is quite distinctive and easily mapped from the air and on the ground, is a very useful marker horizon.
ANGULAR UNCONFORMITY

Tertiary(?)

Tcg

Over 100 m of fluvial conglomerate with minor black shale and lithic sandstone occurs in an east-trending ridge south of the Tranz claims. Imbrication in clasts of quartzite, chert (probably derived from the Permian Fantasque Formation), rare porphyry and red weathering grit (mOcg), and minor shale indicate a fluvial origin. Clasts are generally well rounded, up to 30 cm in size, and are devoid of glacial striae. Minor lithic sandstone contains carbonized wood fragments. The rock is generally clast-supported and the presence of chert and especially distinctive red weathering grit indicates that similar middle Ordovician conglomerates were exposed during deposition of the Tertiary conglomerate (located to the southeast of Figure 1).

DISCONFORMITY(?)

Tb

A small exposure of plagioclase-bearing basalt with well-developed columnar joints is fortuitously preserved in one locality south of the Tranz claims. It may be conformable to unit Tcg, although there could be some angular discordance on its lower contact.
STRUCTURE

The Tranz claims lie within one of the more westerly panels in a wide zone of moderately folded sediments bounded on the east by the Caribou Thrust. The geology and structure of the Tranz claims is shown in plan on Figure 1.

In general, the main thrust panel is folded into a broad antiform with a shallow central axial syncline, called the Spruce Lake Syncline by ZXJV. This antiform is most clearly exposed north of the Tranz claims, to the north of Figure 1. The main axis of the antiform lies west of the Tranz claims and west of Figure 1. The easterly limb of the antiform is bent into the Varley Monocline and the subsidiary Tranz Anticline farther to the east (both named by ZXJV).

The Varley Monocline steps down to the east and has nearly horizontal and steeply east-dipping limbs. This monocline is well exposed around the junction of Beaver River and Varley Creek but is poorly exposed to the north. The Tranz Anticline has a more rounded hinge than the Varley Monocline. Structures are abruptly terminated to the south against the crosscutting, northeast-trending Beaver Fault, a major regional structure which can be traced for over 300 km northeast of the Tranz claims and 70 km southwest (refer to GSC Map 1505A).

Middle Devonian carbonates, the shelf-facies equivalents of middle Devonian Lower Earn Group shales, are present on the east side of the Beaver Fault, just southeast of the Tranz claims. Some crinoidal fragments, mainly ossicles with twin axial canals, were observed in minor limestone interbeds within Lower Earn Group shales. This type of crinoid was restricted to the middle Devonian. Thus it appears that the Beaver Fault had an influence on the facies of middle Devonian rocks as a tectonic or basement control. It was apparently reactivated during Cretaceous-Tertiary time when Tertiary sediments and basalt were deposited in a narrow graben.
Within the graben sediments (unit Tcg), bedding dips about 10° to the south. Evidence for a graben is provided by the restricted extent of the sediments and basalt, which have not been reported in this general area. Approximately 10 to 20 km east of the Tranz claims, the Beaver Fault juxtaposes younger rocks on the north side against older units to the south, which indicates that the north side was dropped down.

MINERALIZATION

No sedex-type lead-zinc mineralization has been found on the Tranz claims. An exhalative unit containing barite and pyrite was found to the north by ZXJV in 1982 and was staked as two claim blocks, Mars and Rush.

GEOCHEMISTRY

Geochemical results for the Tranz area are plotted on Figure 1, in pocket. Results were generally disappointing.

The Tranz claims were staked on a cluster of ferricrete and calcrete spring gossans that contain anomalous metal response. A total of 67 soil, 11 gossan and 3 rock samples were collected. The best values, which range up to 27,400 ppm Zn, 6500 ppm Ni and 1500 ppm Co, were obtained from the iron-rich gossans. Most soil samples collected nearby gave low values. Some of these were probably collected from areas underlain by alluvial gravels and may not be representative of bedrock. Values ranged up to 45 ppm Pb, 10,000 ppm Zn, 43 ppm Cu and 0.7 ppm Ag.
Approximately 30 rock chip samples, each taken over 10 m intervals, were collected from the Road River shales along the river bank below the gossans and along a creek to the northwest. They were analyzed for Cu, Mo, Pb, Zn, Ag, Ni, Co and V. The results are plotted on Figure 1. Values of 86 ppm lead and 1650 ppm Zn from two rock chip samples are noteworthy although the overall results indicate that the shales have a fairly low metal content.

Three water samples were collected from the springs precipitating anomalous ferricrete along the upper contact of the Ordovician-Silurian quartzite unit on the alluvial terrace (see Plate 1 on following page). The spring water values were quite low, ranging from 120 to 180 ppm sulphate, 16 to 24 ppb iron, 56 to 250 ppb zinc, 4 to 8 ppb lead and less than 2 ppb copper. The origin of anomalous metals in the ferricrete is unknown but the source is most likely Road River Formation or Lower Earn Group shales.
PLATE 3 - LOOKING NORTHEAST TO BEAVER RIVER AND TRANZ CLAIMS
CONCLUSIONS

Shale units within the Tranz claims and nearby were exposed during 1982 and gave generally disappointing results as potential hosts for sedex mineralization. The claims lie close to a middle Devonian carbonate shale facies change. Bedded barite and pyrite found to the north of the Tranz claims and along strike indicate that exhalative processes were active during deposition of shales assigned to the upper Devonian-Mississippian Lower Earn Group.

No sedex-type lead-zinc mineralization has been found on the Tranz claims. They were staked on geochemical anomalies consisting of strongly anomalous zinc, nickel and cobalt values precipitated from spring water into a ferricrete gossan. The source of the metals is difficult to predict because of overburden cover, although the springs appear to drain favourable Devonian shales.

The Tranz claims warrant further study, particularly more comparison of their geochemical response with case histories from other sedex deposits.

Respectfully submitted,
ARCHER-CATHRO & ASSOCIATES (1981) LIMITED

STATEMENT OF QUALIFICATIONS

I, Robert J. Cathro, with business addresses in Whitehorse, Yukon Territory and Vancouver, British Columbia, and residential address in West Vancouver, British Columbia, do hereby declare:

1. I am a 1959 graduate of the University of British Columbia in geological engineering.

2. I have been engaged in geological engineering for over twenty years, the past seventeen of which have been as a consultant.

3. I am a registered professional engineer in British Columbia and in Yukon Territory.

4. I have supervised the work described in this report.

AFFIDAVIT

I, Joan Mariacher, of Vancouver, B.C. make oath and say:

That to the best of my knowledge the attached Statement of Expenditures for exploration work on the Tranz 1-14 mineral claims on Claim Sheet 95C/5 is accurate.

Joan Mariacher

Sworn before me at Vancouver, B.C.
this 17th day of January, 1983

C. N. C.
Notary, Yukon Territory
# Statement of Expenditures
## Tranz 1 - 14 Mineral Claims
### Field Work July 12 - August 17, 1982

**Labour**

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<td>R. Parrish (geologist)</td>
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<td>W. Halleran (field assistant)</td>
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$1,883.00

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$10,417.00

$12,300.00
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<td>J. CARRIE - JUL 26-31 0 3,480</td>
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<td>V. BORG - JUL 1-31 0 2,400</td>
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<td>G. PERRY - JUL 1-17 0 2,100</td>
<td>M. PERRY - JUL 1-17 0 2,100</td>
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<td>B. HALLER - JUL 1-31 0 1,800</td>
<td>D. HALLER - JUL 1-31 0 1,800</td>
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<td>H. PERRY - JUL 14-21 0 2,000</td>
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<td>M. BORG - JUL 1-14, 17-26 0 1,410</td>
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**Labour**

- Supervisory

**Expenses**

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**Field Equipment from AC Stock**

- Total days at $10/day
  - 84.75 days
  - $847.50

**Xerox Copies**

- 339 copies at 25¢/copy
  - Total: $84.75

**Radio Rental**

- 51.00 hours at $2.28/hr
  - Total: $116.98

**Rental ACブルック**

- July 1-31 at $40/day
  - Plus: 31 days at $40/day
  - Total: $1,240.00

**Petty Cash**

- 20.00

**Blueprinting**

- 225 sq ft of 30/copy at 25¢/copy
  - Total: $56.25

**Drafting**

- 4.7 hrs at $22/hr
  - Total: $106.40

**Driving Service Currie to OPL Western**

- 200 miles at 50¢/mile
  - Total: $100.00

**Furniture**

- Rental ACブルック
  - 1 day @ $100/day plus 31 days @ $40/day
  - Total: $1,670.00

**Additional Services**

- $42.25

**Total**

- $16,344.00

**Receipt**

- $2,000.00
NAGEMENT

Labour
Supervisory M. P. Phillips 14 days at 10 a/c daily $45 80

3. A. CAN-- Aug 12-18/24-27 $3480/wk
- Field - C. MAIN Aug 12-21 $3450/wk
  1. 1.1 R. K. E. C. Aug 12-27 $2050
  - C. MAIN Aug 12-21 $2400
  - C. MAIN Aug 12-21 $150
  - W. P. S. MAIN Aug 12-21 $150
  1. T. DUKE Aug 12-21 $1250
  2. H. I. J. Y. Aug 12-21 $2400
  3. J. D. D. IDT Aug 12-21 $1500
  4. M. D. W. H. Aug 12-21 $1500
  5. W. P. S. MAIN Aug 12-21 $1500

Casual
- A. GELING 2 1/4 days camp mobilization $405

Expenses
Accounting Aug $500.00
Expediting Aug $1400.00
Room & Board in Whse 12 man days $45/day

Field equipment from AC stock $35.12
Xerox copies 199 copies at $5.00/copy 47.25
Radio rental 360/160 for August $410.00

Rental AC truck A.1-31 at $40/day $271.50
plus (333 603 30 000) 1200 kms at 29/km 240.60
Petty cash 11/20 $142.52 $12.25 $15.00
Telephone 2.125 $2.25
Blueprinting 71 sq ft Oz each at $37.50 $250.00
Drafting 12 hrs at $22/hr $264.00

Water tank fill (350000 cm3) at $1000/day $100.00
Rental AC drum van 4 days @ $40/day plus 115 km @ $28/km

Lodge & House Travel

Finn Comm 10 38

Credit
Sub-Let H.I. R. Mom 1 Day (Aug 6) $146
Sub-Let C. MAIN Aug 5-9 $235
Sub-Let H. I. J. Y. Aug 27 $124/day
Rental AC drum van $700.00

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0.80

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Fuel supplied by customer.

\* RATE - Class 4 Contract
\* HIR
\* 350 HN
\* 230
**FLIGHT REPORT**
HIGHLAND HELICOPTERS LTD. VANCOUVER, B.C.

**CHARTERER:** Archer Cathro

**DATE:** July 12/82

**PILOT SIGNATURE:** Pat Rooney

**BASE:** Trent R/P

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**OPERATION REMARKS**
Crew to Beaver Range
2X5V

**TIME CLOCK READING**
from COLLECTIVE CONTROLS

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**INVOICE RATE:**

| Time | 26 |

**CUSTOMER P.O. NO.:** 8225

**ZONE AND/OR PROVINCE:**

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**AUTHORIZED BY CHARTERER REP.:**
Blato Rebel

**REVENUE HRS.:** 26

**NON-REVENUE CREW EX'S $:**

---
# Flight Report

**Highland Helicopters Ltd.**

**Vancouver, B.C.**

**Charterer:** Archie Cutler & Associates (1981) Ltd

**Address:** Box 4127

**Whitehorse, Y.T. Y1A 3S9**

**Pilot Signature:** Pat Rooney

**Base:** Trout River

---

## Operation Remarks

- Crew to Tranz claims
- Recon NE Coal R.
- Zx Jv

---

## Time Clock Reading

- **From Collective Controls**
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</thead>
</table>

**Customer P.O. No.:** 8225

**Zone and/or Province:**

---

**Authorized by Charterer Rep.:**

**Revenue Hrs.:** 5.9

**Non-Revenue:**

**Crew Ex's $:**
**FLIGHT REPORT**

**HIGHLAND HELICOPTERS LTD. VANCOUVER, B.C.**

**CHARTERER:** Archer Sather

**ADDRESS:**

**PILOT SIGNATURE:** Pat Rooney

**BASE:** Trout R / Ft. Fraser

---

**DATE** | **HOTEL** | **MEALS** | **TRAVEL** | **TEL - TEL** | **TAXI** | **MISC.** | **EXPLANATION**
---|---|---|---|---|---|---|---

---

**OPERATION REMARKS**

Crews to Tranz claims
Recon/Sample N.E. Coal R

\[ 3 x JV \]

**TIME CLOCK READING**

**from**

**COLLECTIVE CONTROLS**

<table>
<thead>
<tr>
<th>FLIGHT 1</th>
<th>FLIGHT 2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>END READING</strong></td>
<td>322.6</td>
</tr>
<tr>
<td><strong>START READING</strong></td>
<td>317.0</td>
</tr>
<tr>
<td><strong>TOTAL FLT. TIME</strong></td>
<td>5.6</td>
</tr>
</tbody>
</table>

---

**INVOICE RATE**

- **CR** 4 7

**CUSTOMER P.O. NO.**

8225

**ZONE AND/OR PROVINCE**

---

**AUTHORIZED BY**

**CHARTERER REP.**

**REVENUE HRS.**

5.6

**NON-REVENUE**

---

**CREW EX'S $**

---

---
FLIGHT REPORT
HIGHLAND HELICOPTERS LTD. VANCOUVER, B.C.

CHARTERER: Archer Cathro

PILOT SIGNATURE: Pat Rooney

BASE: Trout R/74 Yellow

DATE: Aug 9 82

**OPERATION REMARKS**

Crew to 95C/4, Tranz claims stream sample Beaver Rateq

**TIME CLOCK READING**

<table>
<thead>
<tr>
<th>FLIGHT 1</th>
<th>FLIGHT 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>END READING</td>
<td>339.4</td>
</tr>
<tr>
<td>START READING</td>
<td>335.1</td>
</tr>
<tr>
<td>TOTAL FLT. TIME</td>
<td>4.0</td>
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</table>

**INVOICE RATE**

CUSTOMER P.O. NO.: 8225

ZONE AND/OR PROVINCE:

AUTHORIZED BY

CHARTERER REP.

REVENUE HRS.

NON-REVENUE

CREW EX'S $
FLIGHT REPORT  HIGHLAND HELICOPTERS LTD. VANCOUVER, B.C.

CHARTERER  Archer Cathro

ADDRESS

PILOT SIGNATURE  Pat Rooney

DATE  Aug 14/82

REG. H/HR TYPE

FUEL/LITRE CUST.  X

<table>
<thead>
<tr>
<th>DATE</th>
<th>HOTEL</th>
<th>MEALS</th>
<th>TRAVEL</th>
<th>TEL-TEL</th>
<th>TAXI</th>
<th>MISC.</th>
<th>EXPLANATION</th>
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<tbody>
<tr>
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</tbody>
</table>

OPERATION REMARKS

Crew's to Crow R/Mieulier R/
Harley Cr.
ZxJV

TIME CLOCK READING

from

COLLECTIVE CONTROLS

<table>
<thead>
<tr>
<th>FLIGHT 1</th>
<th>FLIGHT 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>END READING</td>
<td>357 0</td>
</tr>
<tr>
<td>START READING</td>
<td>351 0</td>
</tr>
<tr>
<td>TOTAL FLT. TIME</td>
<td>60</td>
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INVOICE RATE  C  4  7

CUSTOMER P.O. NO.  8225

ZONE AND/OR PROVINCE

AUTHORIZED BY CHARTERER REP.

AUTHORIZED BY

REVENUE HRS.  60

Crew EX'S $
**FLIGHT REPORT**
HIGHLAND HELICOPTERS LTD. VANCOUVER, B.C.

**CHARTERER**: Archer Cathro

**PILOT SIGNATURE**: Pat Rooney

**BASE**: Truro, N.S.

**DATE**: Aug 15/82

**REG**: 11764

**AUTHORISED BY**: Charterer Rep.

**CUSTOMER P.O. NO.**: 8225

**ZONE AND/OR PROVINCE**: n/u

### Time Clock Reading from Collective Controls

<table>
<thead>
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<th>Flight 1</th>
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<tbody>
<tr>
<td><strong>START</strong></td>
<td>1357.0</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>1397.6</td>
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**TIME CLOCK READING**

| **FROM** | 3.0 |

---

**INVOICE RATE**
- 0

**CUSTOMER P.O. NO.** 8225

**ZONE AND/OR PROVINCE**: n/u

**CREW EX'S**: 

**CHARTERER REP.**

**REVENUE HRS.** 3.9

**NON-REVENUE**

**CREW EX'S**
<table>
<thead>
<tr>
<th>PILOT SIGNATURE</th>
<th>BASE</th>
<th>FUEL/LITRE CUST.</th>
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<tbody>
<tr>
<td>Pat Rooney</td>
<td>Trout R/78</td>
<td>X HH</td>
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**TIME CLOCK READING from COLLECTIVE CONTROLS**

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<tr>
<th>FLIGHT 1</th>
<th>FLIGHT 2</th>
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<tbody>
<tr>
<td>END READING</td>
<td>370.2</td>
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<tr>
<td>START READING</td>
<td>362.8</td>
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<tr>
<td>TOTAL FLT. TIME</td>
<td>7.4</td>
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</tbody>
</table>

**OPERATION REMARKS**
Crew to Meilleur R/Murs

Crossed out: Hung 3.0

**INVOICE RATE**

| C / X 4 7 0 |

**CUSTOMER P.O. NO.**

8225

**ZONE AND/OR PROVINCE**

| Zlate Rebov |

**AUTHORIZED BY CHARTERER REP.**

<table>
<thead>
<tr>
<th>REVENUE HRS.</th>
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<tbody>
<tr>
<td>7.4</td>
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**NON-REVENUE**

<table>
<thead>
<tr>
<th>CREW EX'S $</th>
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</table>
**FLIGHT REPORT**  HIGHLAND HELICOPTERS LTD.  VANCOUVER, B.C.

**CHARTERER:** Archer Cathco  

**PILOT SIGNATURE:** Pat Rooney  
**BASE:** Trout R.

<table>
<thead>
<tr>
<th>DATE</th>
<th>HOTEL</th>
<th>MEALS</th>
<th>TRAVEL</th>
<th>TEL-TEL</th>
<th>TAXI</th>
<th>MISC.</th>
<th>EXPLANATION D.R.</th>
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</table>

**OPERATION REMARKS:**  
Crew to Tropical / Gowling R / Mars
ZXJTV

**TIME CLOCK READING**  
FROM COLLECTIVE CONTROLS

<table>
<thead>
<tr>
<th>FLIGHT 1</th>
<th>FLIGHT 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>END READING</td>
<td>374 5</td>
</tr>
<tr>
<td>START READING</td>
<td>370 2</td>
</tr>
<tr>
<td>TOTAL FLT. TIME</td>
<td>4 3</td>
</tr>
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</table>

**INVOICE RATE:**  
**CUSTOMER P.O. NO.:** 8275

**AUTHORIZED BY:**  
CHARTERER REP.

**REVENUE HRS.:** 4 3  
**NON-REVENUE:**  

**ZONE AND/OR PROVINCE:**
**TERMS**

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<th>No</th>
<th>Size</th>
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<th>Quantity</th>
<th>Price</th>
<th>Amount</th>
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<td>M</td>
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<tr>
<td>2</td>
<td>REGULAR</td>
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<td>M</td>
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</tr>
<tr>
<td>3</td>
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<td>4</td>
<td>DIESEL</td>
<td>C</td>
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<tr>
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<td>DOMESTIC</td>
<td>*</td>
<td>FURNACE OIL</td>
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<td>*</td>
<td>STOVE OIL</td>
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**TOTAL** 763.93

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**TERMS**

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<td>M</td>
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<td>*</td>
<td>STOVE OIL</td>
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**TOTAL** 4065.17

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*UNLAWFUL TO USE FOR OTHER THAN LIGHTING AND HEATING PURPOSES.*

**THIS IS YOUR INVOICE**
<table>
<thead>
<tr>
<th>NO.</th>
<th>SIZE</th>
<th>DESCRIPTION</th>
<th>QUANTITY</th>
<th>PRICE</th>
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<td>DOMESTIC FURNACE OIL</td>
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</table>

TOTAL: 4,367.68

RECEIVED THE ABOVE GOODS IN GOOD ORDER AND I/WE AGREE TO PAY THE ABOVE AMOUNT

CUSTOMER SIGNATURE

INTEREST OF 1.75% PER MONTH (21% PER YEAR) MAY BE CHARGED ON OVERDUE ACCOUNTS.

UNLAWFUL TO USE FOR OTHER THAN LIGHTING AND HEATING PURPOSES.

CUSTOMER INVOICE