

A REPORT

ON

AN INDUCED POLARIZATION SURVEY

White River Area, Yukon Territory

FOR

IMPERIAL OIL ENTERPRISES LIMITED
Calgary, Alberta

has been examined by the
Geological Evaluation Unit and is recom-
mended to the Commissioner to be consider-
ed as representation work in the amount of

\$9730.00

J.B. Craig

~~Resident Geologist or
Resident Mining Engineer~~

BY

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

[Signature]

Commissioner of Yukon Territory

PETER E. WALCOTT & ASSOCIATES LIMITED

Vancouver, British Columbia

AUGUST 1971

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INTRODUCTION

Between June 24th and July 3rd, 1971, Peter E. Walcott & Associates Limited carried out an induced polarization survey over part of a property, located in the White River Area of the Yukon Territory, held by Imperial Oil Enterprises Ltd.

The survey was carried out over a handcut grid, the lines of which were turned off at right angles from a N 30° W baseline, and chained and picketed at 100 foot intervals.

Measurements (first and second separation) of apparent chargeability (the I.P. response parameter) were made over the grid using the "pole - dipole" method of surveying with a 200 foot dipole. Third and fourth separation measurements were also made over a possible zone of interest on Line 11 N. Simultaneous measurements of apparent resistivity were also made.

The data are presented in profile form on Maps W-133-1 and -2 that accompany the report.

PROPERTY, LOCATION AND ACCESS

The property is located in the Whitehorse Mining District of the Yukon Territory and consists of the following mineral claims:

L E P 1 - 30

The claims are situated straddling Moose Creek some 15 miles southwest of Koidern, Mile 1167 Alaska Highway.

Access was obtained by means of helicopter from Mile 1167 Alaska Highway.

PREVIOUS WORK

Previous work done on the claim group includes:

1. Geological mapping.
2. Geochemical surveying.
3. Magnetic and electromagnetic surveying.

The results of the above are documented in reports by the staff of Imperial Oil Enterprises Ltd.

PURPOSE

The purpose of the survey was to investigate by using the induced polarization technique the suggested presence of sulphide occurrences on the property as indicated by the favourable geology and by geochemical anomalies.

GEOLOGY

The reader is referred to a report by Mr. Dick Oddy of Imperial Oil Enterprises Ltd.

SURVEY SPECIFICATIONS

The induced polarization (I.P.) survey was carried out using a pulse-type system manufactured by Hunttec Limited of Toronto, Ontario. Measurements with this system are made in the time domain.

The system consists basically of three units: a receiver, a transmitter and a motor-generator. The transmitter, which provides a maximum of 7.5 kw d.c. to the ground, obtains its power from the 7.5 kw 400 cycle, three phase generator driven by a gasoline engine. The cycling rate of the transmitter is 1.5 seconds "current-on" and 0.5 seconds "current-off" with the pulses reversing continuously in polarity. The data recorded in the field consists of careful measurements of the current (I) in amperes flowing through electrodes C₁ and C₂, the primary voltage (V) appearing between the two potential electrodes, P₁ and P₂, during the "current-on" part of the cycle, and a secondary or overvoltage (V_s) appearing between P₁ and P₂ during the "current-off" part of the cycle.

The apparent chargeability (M_a) is calculated by dividing the secondary voltage by the primary voltage and multiplying by 400, which is the sampling time in milliseconds of the receiver unit. The apparent resistivity (P_a) in ohm-meters is proportional to the ratio of the primary voltage and the measured current, the proportionality factor depending on the geometry of the array used. The chargeability and resistivity obtained are called apparent as they are values which that portion of the earth sampled would have if it were homogeneous. As the earth sampled is usually inhomogeneous the calculated apparent chargeability and resistivity are functions of the actual chargeability and resistivity of the rocks.

The survey was carried out using the "pole-dipole" method of surveying. In this method the current electrode C₁ and the two potential electrodes, P₁ and P₂, are moved in unison along the survey lines. The spacing "na" (n an integer) between C₁ and P₁ is kept constant for each traverse at a distance roughly equal to the depth to be explored by that traverse, while that of P₁ - P₂ (the dipole) is kept constant at "a". The second current electrode C₂ is kept fixed at "infinity".

Thus, on a "pole-dipole array" traverse with an electrode spacing of 200 feet, a body lying at a depth of 100 feet will produce a strong response, whereas the same body lying at a depth of 200 feet will only just be detected. By running subsequent traverses at different electrode separations, more precise estimates can be made of depth, width, thickness and percentage of sulphides of causative bodies located by the I.P. method.

SURVEY SPECIFICATIONS cont'd

The survey was conducted using a 200 foot dipole and obtaining first and second separation measurements over the area surveyed. In addition third and fourth separations were done over part of Line 11 N.

DISCUSSION OF RESULTS

The I.P. survey, as performed with a 200 foot dipole with $n = 1$ and 2, showed the property to exhibit a moderate chargeability background above which three main anomalous zones, Zones 1, 2 and 3, are clearly discernible (Map W-133-1).

Zone 1 is a narrow long zone that strikes approximately W N W across the grid. Its location corresponds with bands of rhyolite, limestone and quartzite that contain pyrite and associated (?) copper and zinc mineralization.

Detail work done on Line 11 N using the third and fourth separation ($n_a = 600$ and 800 feet) gave lower chargeability responses and showed the zone not to widen and/or increase in sulphide content with depth.

Zone 2 is a wider zone located on the west side of the grid. It is located in the volcanic rocks and is believed to be caused by concentrations of pyrite in the volcanics.

Zone 3 is located on the east side of the grid, and is not properly defined. Its location corresponds with sandstones and shales, and is believed to be caused by concentrations of pyrite in the fore-mentioned rocks.

An apparent fault, as evidenced by the offset in the chargeability zones, strikes N N E across the north end of the grid.

The resistivity survey (Map W-133-2) mostly indicated overburden thickness, and overburden and bedrock conductivity. It did however indicate the possible presence of a north-south fault striking across the southeastern portion of the grid. This fault coincides with the interpreted contact between the volcanics and the sediments (western boundary of Zone 3).

SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

Between June 24th and July 3rd, 1971, Peter E. Walcott & Associates Limited carried out an induced polarization survey over a property held by Imperial Oil Enterprises Limited.

The property, the Lep claims, is located on Moose Creek some 15 miles southwest of Koidern, Mile 1167 Alaska Highway.

The I.P. survey showed the property to exhibit moderate chargeability background, above which three anomalous zones are clearly discernible.

Two of these zones, Zones 2 and 3, do not have any geochemical correlation and are believed to be caused by pyrite in the underlying volcanics and sediments respectively.

Zone 1 is a narrow zone associated with a geochemical anomaly and known iron, zinc and copper mineralization, and is believed to be caused by pyrite and chalcopyrite in the underlying rhyolites, limestones and quartzites.

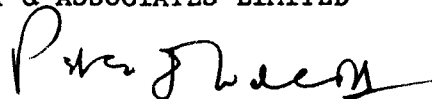
Detail work done with larger separations showed the zone not to widen and/or increase in sulphide content with depth.

As a result of the above survey the writer recommends that

- (1) no further work be done on Zones 2 and 3
- (2) any further investigation on Zone 1 be done on the basis of geology and geochemistry as well as on the results of the I.P. survey. However it is the writer's opinion that the zone is too narrow and too low grade to warrant further investigation.

Respectfully submitted,

PETER E. WALCOTT & ASSOCIATES LIMITED



Peter E. Walcott, P.Eng.
Geophysicist

Vancouver,
British Columbia

August 1971

A P P E N D I X

(i)

COST OF SURVEY

Peter E. Walcott & Associates Limited provided a geophysicist, operator and equipment on a daily basis. Mobilization charges were extra so that the total cost of services provided was \$3,755.00.

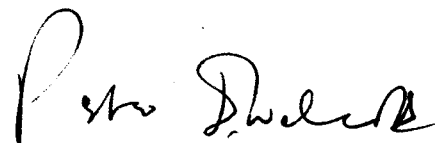
PERSONNEL EMPLOYED ON SURVEY

<u>Name</u>	<u>Occupation</u>	<u>Address</u>	<u>Date</u>
Peter E. Walcott	Geophysicist	Peter E. Walcott & Assoc. Ltd. 605 Rutland Court, Coquitlam, B.C.	June 24th - Jul. 3rd, 71 & Aug. 5th, 1971
V. Pashniak	Geophysical Operator	" "	June 24th - Jul. 3rd, 1971
J. Walcott	Typing	" "	Aug. 6th, 1971
K. Jones	Draughting	" "	Aug. 1st - 5th, 1971

CERTIFICATION

I, Peter E. Walcott, of the Municipality of Coquitlam, British Columbia, hereby certify that:

1. I am a Graduate of the University of Toronto in 1962 with a B.A.Sc. in Engineering Physics, Geophysics Option.
2. I have been practising my profession for the last eight years.
3. I am a member of the Association of Professional Engineers of British Columbia, Ontario and the Yukon Territory.
4. I hold no interest, direct or indirect, in the securities or properties of Imperial Oil Enterprises Ltd.



Peter E. Walcott, P.Eng.

Vancouver,
British Columbia

August 1971

APPENDIX 'A'

Assessment Details

PROPERTY: Lep Claims 1-30

MINING DIVISION: Whitehorse

OWNERS: Imperial Oil Enterprises Ltd. (50%)
Bow Valley Industries (25%)
Canadian Industrial Gas & Oil Ltd. (25%)

CLAIMS: Lep 1-9, 11-17, 22-24, 26 Y 53002 - Y 53021
Lep 10 Y 9651
Lep 18 Y 9657
Lep 19-21 Y 9666 - Y 9668
Lep 25 Y 9662
Lep 27-30 Y 58099 - Y 58102

DATES RECORDED: Lep 10, 18-21, 25 July 18, 1966
Lep 1-9, 11-17, 22-24, 26 June 26, 1970
Lep 27-30 August 31, 1970

TYPE OF SURVEYS: Linecutting, Magnetometer, and Induced Polarization

DATES: Linecutting - June 7-16, 1971
Magnetometer Survey - June 22-26, 1971
I.P. Survey - June 27 - July 2, 1971

TOTAL MEN EMPLOYED: 12 TOTAL MAN DAYS: 86

NAMES OF PERSONNEL: Richard W. Oddy, Calgary, Alberta - Geologist-Supervisor
Martin G. Morrice, Winnipeg, Manitoba - Graduate Student
George Ongyerth, Chilliwack, B.C. - Student
Walter D. Melnyk, Krydor, Saskatchewan - Student
William A. Metner, Moosehorn, Manitoba - Student
Peter E. Walcott, Coquitlam, B.C. - Geophysicist
Vic Pashnick, Vancouver, B.C. - Geoph. Technician
M. Barker, Whitehorse - Surveyor
R. Bruce, Whitehorse - Linecutter
D. Eastman, Whitehorse - Linecutter
C. MacIntosh, Whitehorse - Linecutter
J. Johnston, Whitehorse - Linecutter

TOTAL EXPENDITURE: \$12,451.00

WORK CREDITS REQUESTED: Lep 1-9, 11-17, 22-24, TOTAL YEARS: 96
26-30 - 4 years each

DATED: 20 AUGUST 1971

IMPERIAL OIL ENTERPRISES LTD.

R. W. Oddy
RICHARD W. ODDY, P. GEOL.

APPENDIX 'B'

DECLARATION OF EXPENDITURES

1. <u>LINECUTTING CONTRACT</u> - June 8-16, 1971	
White, Hosford & Impey Limited	\$ 1,965.00
2. <u>MAGNETOMETER SURVEY</u> - June 22-26, 1971	
Salary: W. Melnyk @ \$600/month - 5 days	136.00
3. <u>INDUCED POLARIZATION SURVEY</u> - June 27-July 2, 1971	
Peter E. Walcott & Assoc. Ltd. Contract	3,755.00
Helpers Salaries:	
M. Morrice @ \$800/month - 6 days	216.00
G. Ongyerth @ \$625/month - 6 days	188.00
W. Melnyk @ \$600/month - 6 days	162.00
W. Metner @ \$500/month - 6 days	135.00
4. <u>TRANSPORTATION</u> - Helicopter Mobilization & Camp Support	
Bell 47G3B-2; June 7, 12 & 26 - 18.8 Hrs. @ \$155/Hr.	2,914.00
Bell 47G-2; June 17 & 19 - 7.1 Hrs. @ \$120/Hr.	852.00
Bell 206-A Jet Ranger; July 2 & 3 - 6.5 Hrs. @ \$248/Hr.	1,612.00
5. <u>LIVING COSTS</u>	
Camp costs for 86 man-days at \$6.00/man/day	516.00
	<hr/>
TOTAL EXPENDITURES	\$ 12,451.00
	<hr/> <hr/>

Work Credit requested for 24 claims for 4 years each -
Total Claim Years - 96.

DATED: 20 AUGUST 1971

IMPERIAL OIL ENTERPRISES LTD.

RICHARD W. ODDY, P.GEOL.

R. W. Oddy

PETER E. WALCOTT & ASSOC. LTD.

605 RUTLAND COURT, COQUITLAM, B.C. • TEL. 939-0383

I N V O I C E

NO. 1072

Date: July 16th, 1971

Terms: NET 10 DAYS

To: Imperial Oil Enterprises Ltd.,
Minerals Section,
500 Sixth Ave. S.W.,
Calgary 1, Alberta

For the attention of Mr. Leo D. Kirwan

Re: I.P. Survey, Moose Creek, Y.T. (File 115-A)

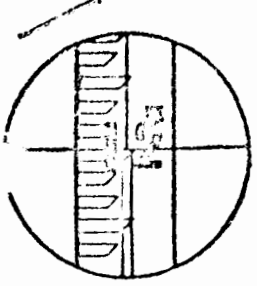
LEP CLAIMS

1.	Provision of geophysicist, operator & 7.5 kw pulse I.P. equipment for:	
	a. 2½ standby days (25th, 26th June, 1/2 3rd Jul.) at \$200.00 per day	\$500.00
	b. 6 survey days (27th June - 2nd July) at \$280.00 per day	\$1,680.00
	c. 3 overtime survey days as per project report (8 hrs. 27th, 4 hrs. 28th, 3 3/4 hrs. 29th, 5 1/2 hrs. 30th June and 4 hrs. 2nd Jul.) at \$280.00 per survey day	\$840.00
2.	Mobilization: Vancouver - Whitehorse - return (split with Rhyolite Creek project)	\$500.00
3.	Provision of 3/4 ton crew cab for 9 days at \$15.00 per day and 500 miles at 20¢ per mile	\$135.00 <u>\$100.00</u>
	TOTAL COST OF I.P. SURVEY _____	<u>\$3,755.00</u>
	Less 15% to be submitted on final invoice	<u>563.25</u>
		\$3,191.75
	Less initial deposit	<u>7500.00</u>
	(Split with Rhyolite Creek Proj.)	\$2,691.75

PROJECT W-133

1691.75

83-025-1-28-500-1170-96



WHITE, HOSFORD & IMPEY LIMITED

LEGAL SURVEYS :: ENGINEERING

GRANDE PRAIRIE, ALTA
9922A RICHMOND AVE.
TELEPHONE 403-532-5362
TELEX 049-637

YELLOWKNIFE, N.W.T.
P.O. BOX 409
TELEPHONE 403-873-2092
TELEX 037-4221

WHITEHORSE, YUKON
P.O. BOX 1088
TELEPHONE 403-668-2191
TELEX 049-8224

Whitehorse, Y. T.

June 22, 1971.

INVOICE

TO: Imperial Oil Enterprises Ltd.,
Minerals Section,
500 - Sixth Avenue South West,
Calgary 1, Alberta.

RE: Linecutting on Geophysical Grid on
Lep Claim Group, Map Sheet 115F-15,
near White River, Y. T.

OUR FEE:	1.36 miles baseline @ \$250.00/mile	\$ 340.00
	20.0 miles picketline @ \$75.00/mile.....	1500.00
	500 miles transportation @ 25¢/mile.....	<u>125.00</u>

TOTAL

\$1965.00

OUR JOB NO. 624-71
OUR INV. NO. 386-71W

Please Pay Promptly.

M. Reynolds

83-025-1-28-0500-1110-AA

*OK.
Charge to 51.5 line - 0500
P. J. Oddy*

N



TRANS NORTH TURBO AIR LTD.



BOX 1977 PHONE 668-2177
WHITEHORSE, YUKON

TO: [Imperial Oil Enterprises
Box 259
WHITEHORSE, Yukon

Attention: E.W. Oddy

DATE June 18, 1971

INVOICE NO. 249-71

P.O. NO.

TO: Charge you with the charter of Bell 47G-3B-2
Helicopter CF-QJY
Crew: Plaster and Ducey

FLYING: June 7, 8 and 12, 1971
Daily Flight Report No. 5271, 5276, 9003
8.1
~~11.4~~ hours at \$155.00 per hour
(rate when carrier supplies fuel)

\$ 1,255.50
~~\$1,767.00~~

PLUS: Excess cost of fuel at following points:
Charterer assessed with cost
of fuel over 60¢ per gallon

Burwash -
128 gallons at 49¢ per gallon

62.72

White River -
75 gallons at 58¢ per gallon

43.50

INVOICE TOTAL

\$1,873.22

TERMS: One per cent interest per month will be
charged on all invoices not paid within
30 days of date issued.

0500 - 1130 - KA

TRANS NORTH TURBO AIR LTD.

BOX 1977, WHITEHORSE, YUKON

DAILY FLIGHT REPORT

DATE June 7 1977

CHARTERER: <u>IMPECINI OIL ENTERPRISES LTD</u>	
ADDRESS: <u>9 R. BOYD Box 259</u>	
<u>WHITEHORSE Y.T.</u>	
AIRCRAFT: _____ CF - _____ AREA:	YUKON <input type="checkbox"/> ALTA. <input type="checkbox"/> B.C. <input type="checkbox"/> NWT <input type="checkbox"/>

CHARTER FROM:	PASS.	CARGO	HRS.	PASS. NAMES OR REMARKS
BURWASH	✓	/	0.8	TO WHITE RIVER
	5	3400	3.2	MOVE IN CAMP
	/	/	0.9	TO BURWASH
TOTALS			4.9	TNTA FUEL <u>4.9</u> HRS.
<i>Don Plaster</i>			<i>Richard W. Aldy</i>	
PILOT'S SIGNATURE			CHARTERER'S SIGNATURE	

Nº 5271

TRANS NORTH TURBO AIR LTD.

BOX 1977, WHITEHORSE, YUKON

DAILY FLIGHT REPORT

DATE JUNE 12 / 1971

CHARTERER: IMPERIAL OIL ENTERPRISES LTD.
 ADDRESS: Box 259, WHITEHORSE
 AIRCRAFT: DELL D2 CF-QSY AREA: YUKON ALTA.
 B.C. NWT

CHARTER FROM:	PASS.	CARGO	HRS.	PASS. NAMES OR REMARKS
BURWASH	/	/	0.8	TO KOIDERN
	1	700	1.1	GROSS + STAKES + DISK TO CAMP
	2	/	1.3	CREW TO LINE TO KOIDERN TO BURWASH
TOTALS			3.2	

TNTA FUEL 3.2 HRS.

TERMS: ONE PER CENT INTEREST PER MONTH WILL BE CHARGED ON ALL INVOICES NOT PAID WITHIN 30 DAYS OF DATE ISSUED.

Don Plaster

PILOT'S SIGNATURE

R. W. Paddy

CHARTERER'S SIGNATURE

No 9003

T
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TRANS NORTH TURBO AIR LTD.



BOX 1977 PHONE 668-2177
WHITEHORSE, YUKON

TO: [

Imperial Oil Enterprises
Box 259
WHITEHORSE, Yukon

Attention: Mr. R.W. Oddy

]

L

]

DATE June 30, 1971

INVOICE NO. 330-71

P.O. NO.

TO: Charge you with the following helicopter charters:

Bell 47G-3B-1 Helicopter CF-RQM
Crew: Vickers and Orban

FLYING: June 26, 1971
Daily Flight Report No. 6458

10.7 hours at \$155.00 per hour \$1,658.50
(rate when carrier supplies fuel)

PLUS: Excess cost of fuel at Burwash
Charterer assessed with cost
of fuel over 60¢ per gallon

155 gallons at 49¢ per gallon 75.95

Bell 47G-3B-2 Helicopter CF-QJY
Crew: Plaster and Ducey

FLYING: June 14, 1971
Daily Flight Report No. 9006

1.4 hours at \$155.00 per hour 217.00
(rate when carrier supplies fuel)

PLUS: Excess cost of fuel at White River
Charterer assessed with cost of
fuel over 60¢ per gallon

25 gallons at 58¢ per gallon 14.50

CONTINUED2

Imperial Oil Enterprises 2

Invoice No. 330-71

PLUS:	Prorated crew expenses at Burwash (one-half cost of two men for one day)	\$ 14.00
	INVOICE TOTAL	<u>\$1,979.95</u>

J.M.
83-025-1-28-0500-1130-AA

TERMS: One per cent interest per month will be charged on all invoices not paid within 30 days of date issued.

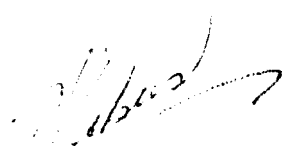
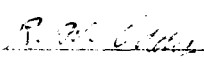
TRANS NORTH TURBO AIR LTD.

BOX 1977, WHITEHORSE, YUKON

DAILY FLIGHT REPORT

DATE 26 JUNE 1971

CHARTERER:	<u>Imperial Oil</u>		
ADDRESS:			
AIRCRAFT:	<u>3-TURBO</u>	CF:	<u>RC11</u>
AREA:	YUKON <input checked="" type="checkbox"/>	ALTA. <input type="checkbox"/>	B.C. <input type="checkbox"/> NWT <input type="checkbox"/>

CHARTER FROM:	PASS.	CARGO	HRS.	PASS. NAMES OR REMARKS
<u>Whitehorse</u>	<u>3</u>	<u>1900</u>	<u>10.7</u>	<u>Ferry Personnel Supplies to Moose Creek CAMP Return Whitehorse</u>
<u>Mileage of 2000000</u>				
TOTALS				
TNTA FUEL <u>20.7</u> HRS.				
 PILOT'S SIGNATURE			TERMS: ONE PER CENT INTEREST PER MONTH WILL BE CHARGED ON ALL INVOICES NOT PAID WITHIN 30 DAYS OF DATE ISSUED.  CHARTERER'S SIGNATURE	

No 6458

T
N



TRANS NORTH TURBO AIR LTD.

BOX 1977 PHONE 668-2177
WHITEHORSE, YUKON



TO: ┌
Imperial Oil Enterprises
Box 259
WHITEHORSE, Yukon

└

DATE June 30, 1971

INVOICE NO. 349-71

P.O. NO.

TO: Charge you with the charter of Bell 47G-2
Helicopter CF-ETR
Crew: Johnson and Stout

FLYING: June 17 and 19, 1971
Daily Flight Report No. 6043,6045

7.1 hours at \$120.00 per hour \$852.00
(rate when carrier supplies fuel)

PLUS: Excess cost of fuel at Burwash
Charterer assessed with cost
of fuel over 60¢ per gallon

85 gallons at 43¢ per gallon 36.55

PLUS: Prorated crew expenses at Burwash 28.00

PLUS: Propane purchased on your behalf
per Consolidated Hydrocarbons invoice 231676 62.35

INVOICE TOTAL \$978.90

TERMS: One per cent interest per month will be
charged on all invoices not paid within
30 days of date issued.

36 W 34 W 32 W 30 W 28 W 26 W 24 W 22 W 20 W 18 W 16 W 14 W 12 W 10 W 8 W 6 W 4 W 2 W 0 E E E E E

L 20 N -

L 16 N -

L 11 N -

L 8 N -

L 4 N -

L 0 -

L 4 S -

L 8 S -

L 12 S -

L 16 S -

L 20 S -

L 24 S -

L 28 S -

L 32 S -

ZONE 2

ZONE 1

ZONE 3

ZONE 2

ZONE 3

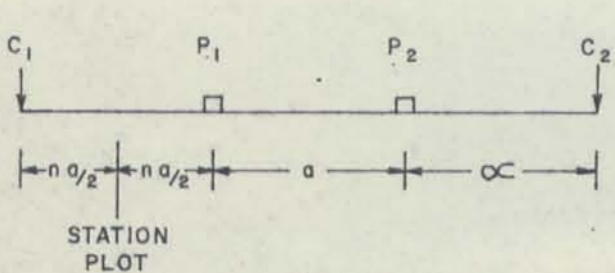
Moose
Creek

POSSIBLE
INTRUSIVE

20
18
16
14
12
10
8
6
4
2
0
MS MILLI SECONDS

20
18
16
14
12
10
8
6
4
2
0
MS MILLI SECONDS

POLE - DIPOLE ARRAY $a=200'$



STATION PLOT
 x-----x n = 1
 .----- . n = 2
 Δ-----Δ n = 3
 ○-----○ n = 4

LEGEND

- CREEK
- I.P. ANOMALOUS ZONE
- OUTLINE OF IP ANOMALOUS ZONE
- INTERPRETED CONTACT
- INTERPRETED FAULT



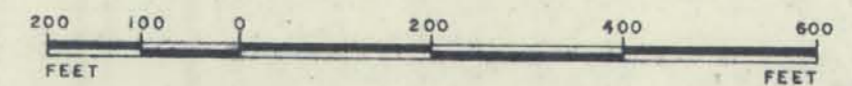
IMPERIAL OIL ENTERPRISES LIMITED

LEP CLAIMS, MOOSE CREEK, WHITEHORSE M.D. YUKON TERRITORY

INDUCED POLARIZATION SURVEY

PROFILES OF APPARENT CHARGEABILITY
(IN MILLI SECONDS)

SCALE - 1 INCH = 200 FEET



MAP No. W - 133 - 1
 TO ACCOMPANY A REPORT BY
 PETER E. WALCOTT P. Eng.
 DATED - AUGUST 1971

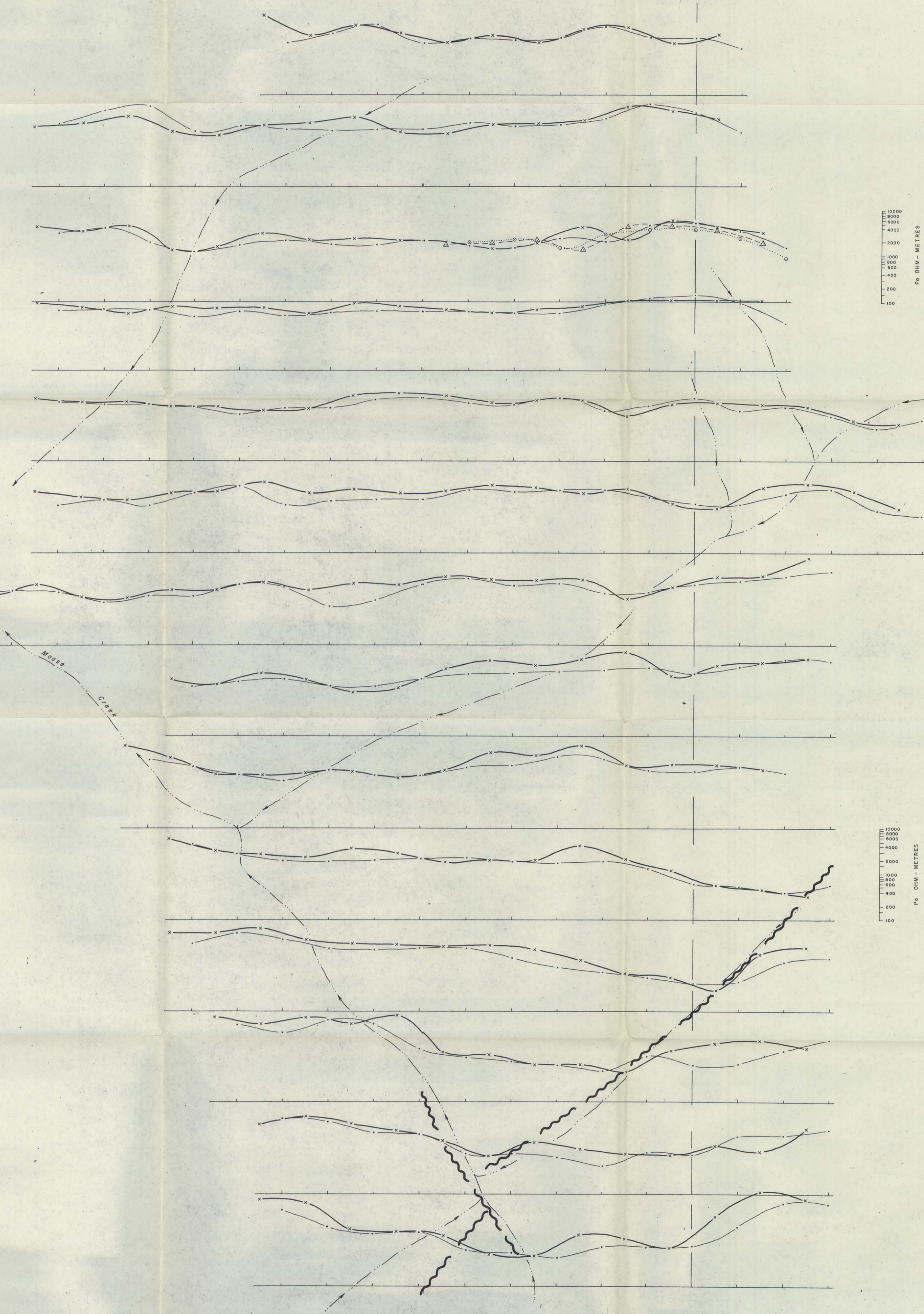
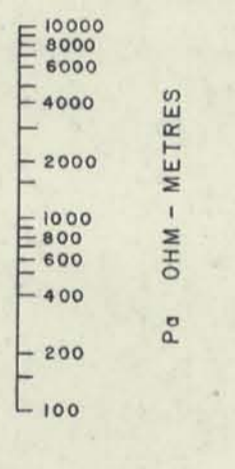
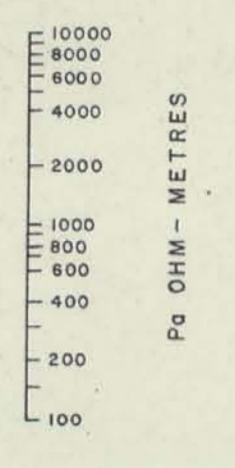


PETER E. WALCOTT & ASSOC. LTD.

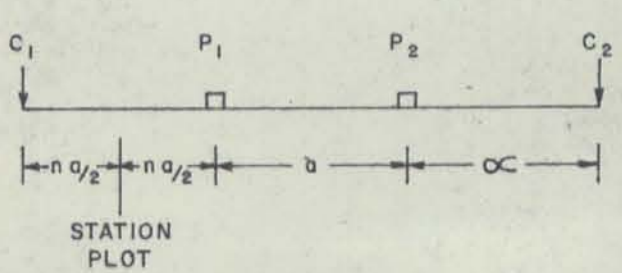
JUNE - JULY 1971

36 W 34 W 32 W 30 W 28 W 26 W 24 W 22 W 20 W 18 W 16 W 14 W 12 W 10 W 8 W 6 W 4 W 2 W 0 E E E E E

L 20 N -
L 16 N -
L 11 N -
L 8 N -
L 4 N -
L 0 -
L 4 S -
L 8 S -
L 12 S -
L 16 S -
L 20 S -
L 24 S -
L 28 S -
L 32 S -



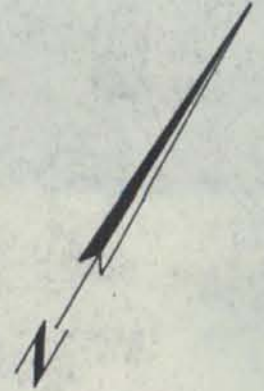
POLE - DIPOLE ARRAY $a = 200'$



- x-----x n = 1
- n = 2
- Δ-----Δ n = 3
- o-----o n = 4

LEGEND

- CREEK
- INTERPRETED FAULT



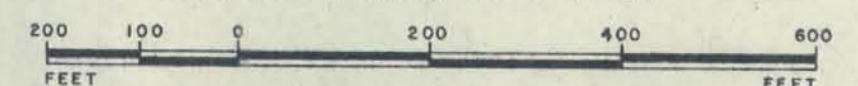
IMPERIAL OIL ENTERPRISES LIMITED

LEP CLAIMS, MOOSE CREEK, WHITEHORSE M.D. YUKON TERRITORY

INDUCED POLARIZATION SURVEY

PROFILES OF APPARENT RESISTIVITY
(IN OHM-METERS)

SCALE - 1 INCH = 200 FEET



MAP No. W - 133 - 2
TO ACCOMPANY A REPORT BY
PETER E. WALCOTT P. Eng.
DATED - AUGUST 1971



PETER E. WALCOTT & ASSOC. LTD.

JUNE - JULY 1971