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BARRICK GOLD CORPORATION
(Eastern Canada Exploration)

HOLT McDERMOTT Project

Project No. 601

**Manville, Barrick-East, Lenora, Three-Star, Worvest,
Worvest-East, Mc-Dermott & Mattawasaga
Blocks**

Report on Induced Polarization surveys

Rouyn-Noranda, Québec

January 6, 1998

Gérard Lambert, P.Eng.

Consulting Geophysicist



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Introduction

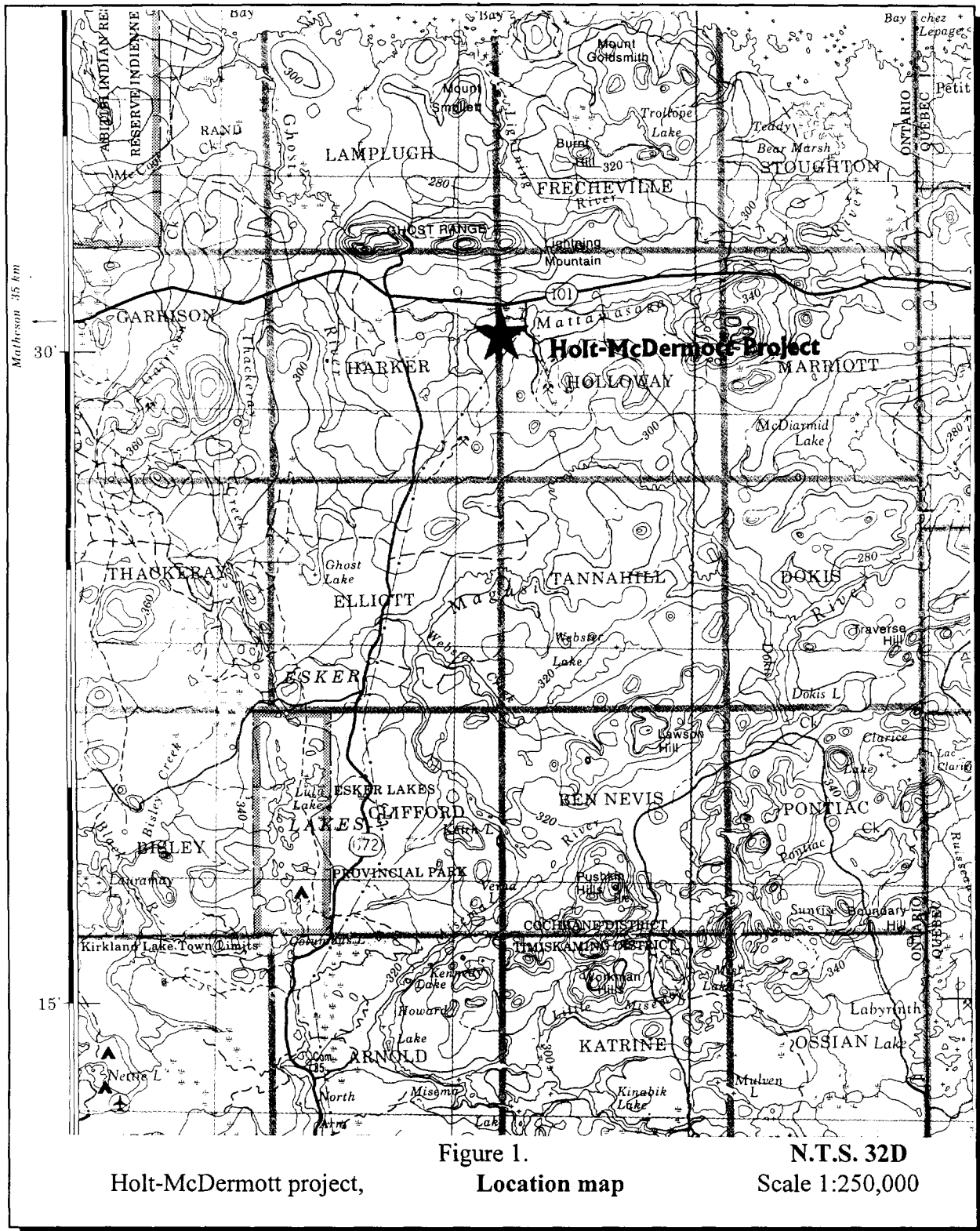
In July 1997, ground geophysical investigations, consisting namely of Induced Polarization (I.P.) surveys, were carried out over eight claim blocks on the **Holt-McDermott** project, for **Barrick Gold Corp.**

The purpose of these surveys was to map the electrical properties of the underlying bedrock lithologies and to better define the presence and distribution of **potentially auriferous disseminated and stringer sulfides** in bedrock structures. Considering the paucity of bedrock exposure, the close proximity of Barrick's **Holt-McDermott** mine and the occurrence of other significant gold mineralization within the area, as well as the insufficient coverage with adequate modern geophysical techniques as evidenced from previous exploration work, the present geophysical surveys were also performed in order to better understand and evaluate the significance of bedrock sulphide mineralization, in terms of its geometry, width and its concentration.

This report describes the work done, discusses the results obtained as well as the interpretation of the data. Recommendations for any future work are presented in the conclusion. The I.P. survey was carried out between July 1 and July 30, 1997 by crews of Rémy Bélanger Geophysics, of Rouyn-Noranda, Québec.

Property description, location and access

The eight claim blocks are located in both **Harker** and **Holloway** townships, in northeastern Ontario, approximately 44 km to the NNE of **Kirkland Lake** and 66 km northwest of **Rouyn-Noranda** (N.T.S. 32D/5 & 32D/12). The survey area is centered on the **Holt-McDermott** mine and is easily accessible by vehicle, as highway 101 passes just to the north (0.5 to 1 km) of the survey area. Several gravel and logging roads leading south from Hwy 101 allow easy access to most of the survey area. Please refer to Figures 1. and 2., showing location maps of the area at 1:250,000 and 1:100,000 scales, respectively.



Holt-McDermott project,

Figure 1.
Location map

N.T.S. 32D
Scale 1:250,000

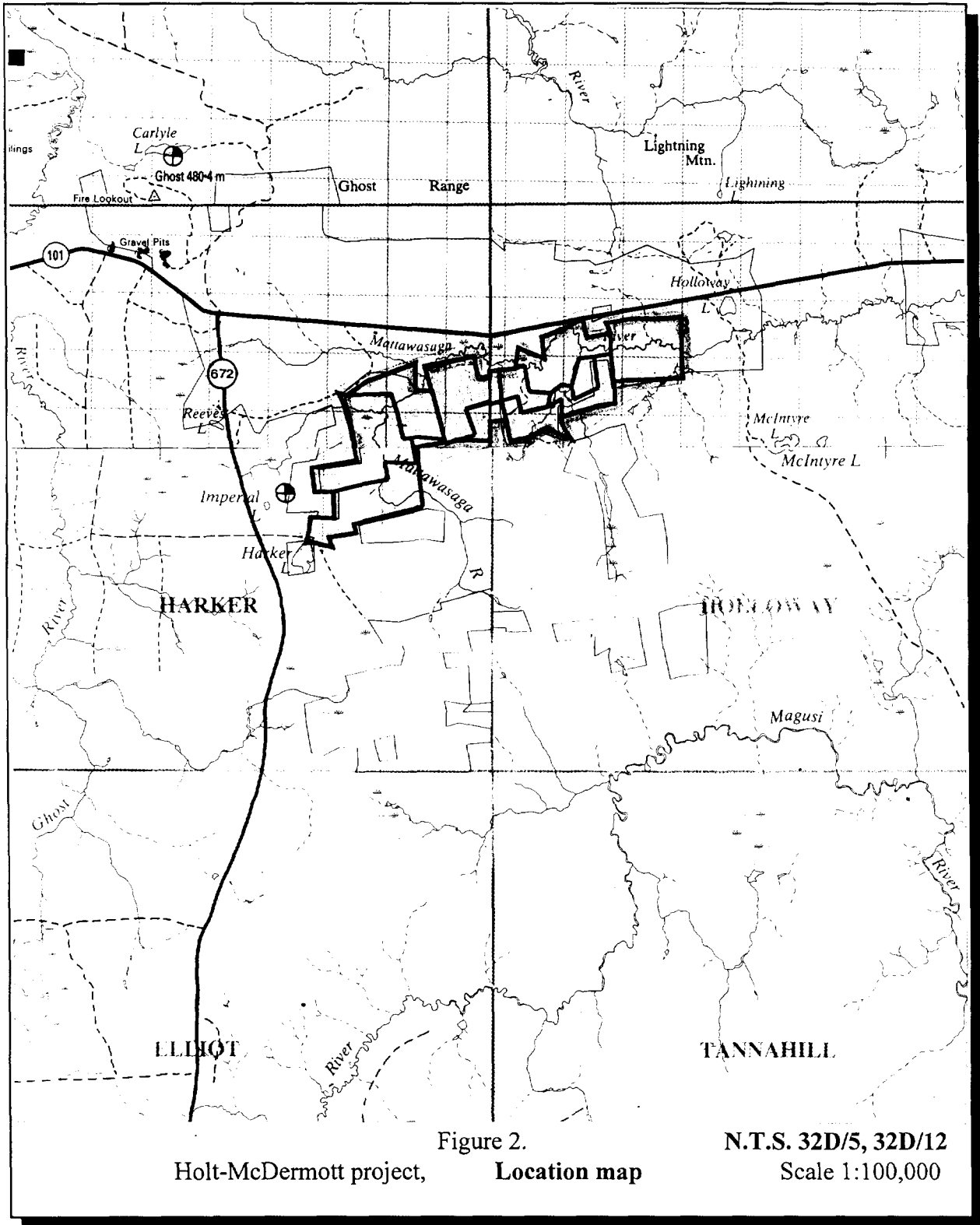


Figure 2.

Holt-McDermott project,

Location map

N.T.S. 32D/5, 32D/12

Scale 1:100,000

The 8 claim blocks (Manville, Barrick-East, Lenora, Three-Star, Worvest, Worvest-East, Mc-Dermott & Mattawasaga) that were surveyed consists of mining leases all made up of patented claims. The Manville, Barrick-East, Lenora and Worvest blocks are located in the **eastern** half of **Harker Twp.** The Three-Star, Worvest-East, Mc-Dermott & Mattawasaga are located in the **western** half of **Holloway Twp.** The Induced Polarization surveys discussed in the present report covered all these properties entirely, except for the eastern two-thirds of the McDermott block, which had already been covered in the 1980's by an I.P. survey by Phoenix. The map shown on Figure 3. next page, outlines the boundaries of the claim blocks and shows the names of the blocks. The geophysical maps at 1:5,000 scale appended to this report also show the claim boundaries.

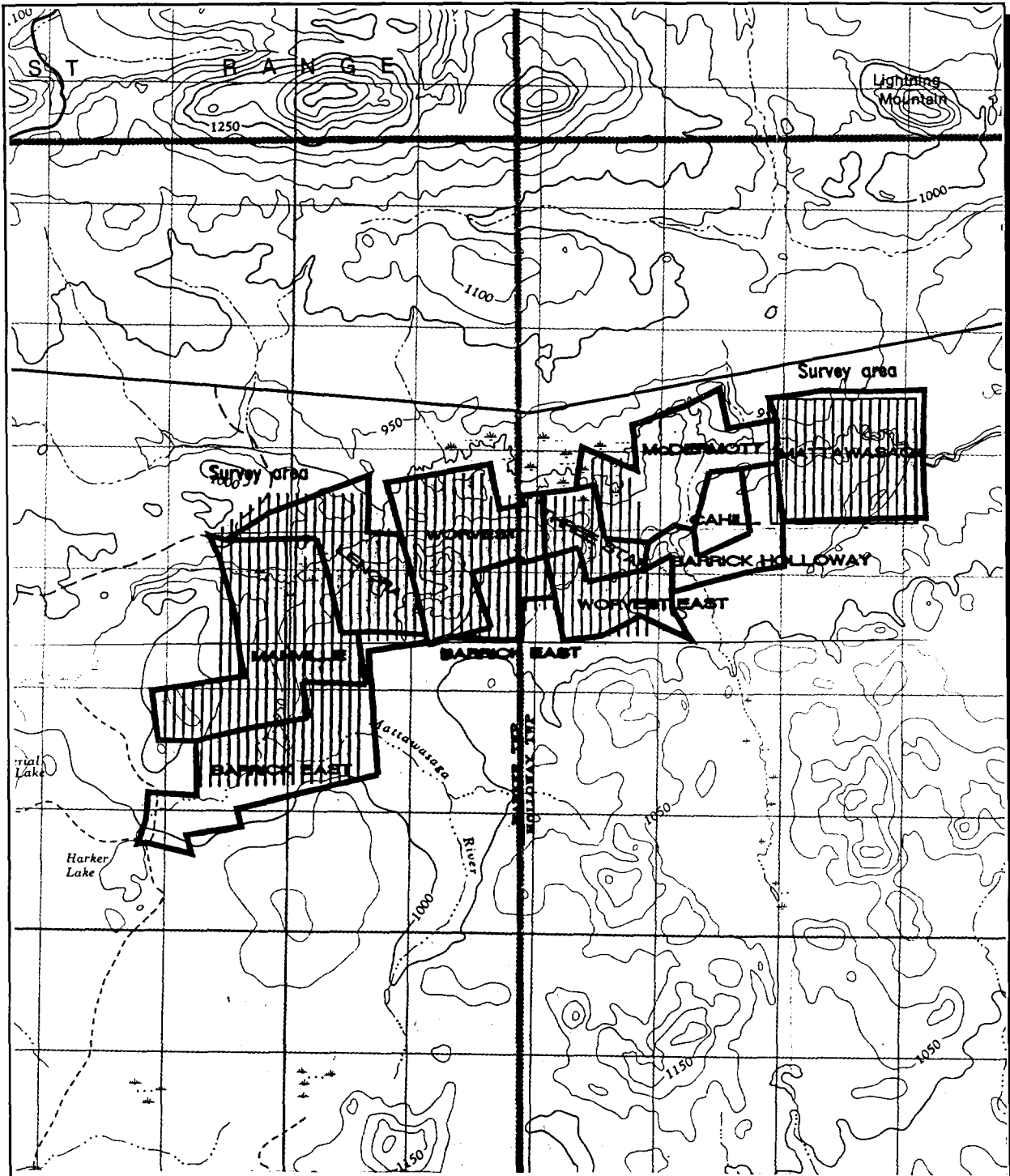
As mentioned above, Barrick's **Holt-McDermott** Mine is located near the center of the survey area.

Description of the I.P. surveys

The Induced Polarization survey was carried out along previously cut survey lines, oriented at 000°, spaced every 100 meters and chained/picketed every 25 meters. A base line (B.L. 14+00N), striking at 090°, was used to set off the grid, whereas tie lines 700S, 300S, 150N, 500N, 675N, 1700N, 1850N, 1950N and 2400N were established to control the line's deviations. The survey lines covered by the present I.P. survey extended from L-43+00mE to L-105+00mE incl.

The **I.P. survey** was conducted between 7+00S and 24+00N, using a dipole-dipole electrode configuration. The dipole dimension was 50 meters and successive separations at multiples of n=1 to n=6 times the dipole dimensions were used, in order to investigate at depth.

A total of approximately **70.5 line-km** of I.P. data was thus gathered by contractor Rémy Bélanger of Rouyn-Noranda.



Holt-McDermott property

Figure 3.
Claims Location map

N.T.S. 32D/5, 32D/12
Scale 1:50,000

The I.P. equipment consisted of 1°) a **Phoenix IPT-1** transmitter operating at 1.0 Hz, powered by a 2 kW MG-2 motor generator. The phase-shift angle (in milliradians) between the transmitted current and the received voltage was measured by 2°) a **Phoenix Turbo V-5** phase I.P. receiver, measuring also the apparent resistivity of the earth at each "n". The phase angle is a direct measure of the polarization of the underlying earth.

The results of the I.P. surveys are presented in the appendix, namely in the form of **pseudo-sections** of the apparent resistivities and the measured phase angles, at the scale 1:5,000 and also on **plan maps** at 1:5,000, showing respectively the **contours of the apparent resistivity** at n=2, and the **contours of the Phase (I.P. effect or polarization)** at n=2, both displaying the interpreted I.P. anomalies, using symbols which are explained in the accompanying legend. The decision to use the N=2 data for creating the contour maps was made because several anomalous I.P. signatures appeared to originate from relatively deep sources.

Results and interpretation

The Induced Polarization method is probably the best geophysical prospecting tool when investigating for base or precious metals in geological and structural environments such as the Holt-McDermott property area.

Indeed, the I.P. technique is capable of mapping most types of metallic sulfides, even when they do not conduct, which is often the case with structure-hosted gold mineralization associated with disseminated and stringer sulfides in fractures.

Furthermore, the I.P. technique can also discriminate between "poor" E.M. conductors associated with **electrolytic** conductivity such as porous shear zones and overburden depressions (no I.P. effect), and "poor" E.M. conductors caused by low-conductivity **metallic** mineralization, such as stringer sulfides or sphalerite-enriched sulfides (recognizable I.P. effect). Its performance

is occasionally hampered by conductive cover such as lacustrine clays and by resistive glacial sand cover (eskers) and also by sources of man-made cultural noise, when present.

In this particular case a 50-meter dipole dimension was chosen because of its penetration capability and for outlining potentially deep and wide pyrite-pyrrhotite-chalcopyrite mineralized zones having a significant depth extent. With the n=6 expanders, and considering the generally low noise levels and the resistive cover within the survey area, this I.P. survey should be able to successfully detect widespread metallic sulphide mineralization in the bedrock to depths in excess of 100 meters.

· ***Resistivity***

The resistivity relief, as contoured on the 1:5,000 colour resistivity plan map (see appendix), provides a quite faithful image of the overburden cover and of the bedrock surface's relief. Only a small proportion of the survey area is characterized by **high apparent resistivities** (>2,000 ohm-meters), in great part contributed by shallow overburden over bedrock ridges and outcrops. It is strongly advisable to visit these high-resistivity areas in the field, as there is an excellent chance that new bedrock exposures might be discovered. Very often also, high resistivity zones occur over hydrothermally-altered lithologies and structures enriched with silica and carbonates, an excellent tracer tool for gold-hosting environments.

The **high-resistivity** areas are distributed into one large patch in the southwest portion of the **Worvest** block and neighboring Lenora and Barrick East blocks, and another (smaller) patch in the extreme southwest portion of the **Manville** block. Definitely outcropping bedrock should be found within those two high-resistivity domains. Elsewhere in the survey area, the remaining high-resistivity zones are more isolated, cover less surface but still offer the possibility for the discovery of new bedrock exposures.

About a quarter of the survey area is characterized by particularly **low apparent resistivities** (<150 ohm-meters), mainly in the vicinity of streams where abundant surface water - and probably substantial overburden material - overlie the bedrock. There are a few linear trends within the colour-contoured resistivity relief, these trends possibly being the result of tectonic structures. The most prominent are: 1° in the Barrick-East (SW portion) block, two NE-SW-trending lineaments, 2° in the north part of the Manville block and central part of the Lenora block, an east-west lineament along Mattawasaga creek, 3° in the Worvest block, a NW-SE lineament and finally, 4° in the Mattawasaga block, a major more or less east-west lineament, following the river and which could be caused by a graphitic shear (see I.P. anomaly "G", below).

Judging from the apparent resistivity pseudo-sections, the overburden thickness is usually less than 20 meters, but within the low-resistivity zones it probably varies between 25 meters and 60 meters.

· *Polarization (I.P.)*

The compilation of the anomalous I.P. measurements indicate the presence of seven (7) anomaly clusters, as well as a number of weak and/or discontinuous anomalies elsewhere. Referring to the I.P. **pseudo-sections** and the N=2 phase **I.P. contour map** and its accompanying legend, it can be observed that the I.P. anomalies were classified according to their "strength" (i.e. the probable "massiveness" of the causative metallic material) and their degree of definition (a well-defined I.P. anomaly is one which displays a clear, unambiguous *triangular* shape on a pseudo-section), as well as according to the behavior of the apparent resistivity.

Conductive, semi-massive and massive metallic mineralization (graphite and/or massive sulfides) will typically cause a **decrease** in the resistivity in addition to a strong I.P. anomaly. So will a mineralized shear corridor carrying disseminated or stringer sulfides. As the concentration of these metallic materials decreases, the drop in resistivity becomes more negligible but the I.P. effect still remains. The symbols used in the interpretation of the I.P. survey are explained on the compilation maps and on the pseudo-sections.

The I.P. anomalies that are part of a recognizable trend were labeled “A” to “G” on the compilation maps. Table 1. below, summarizes the characteristics of these anomalies.

I.P. anomaly group	Between Lines (stations)	Strike length	Orientation	Remarks
“A”	43E-49E (\approx 100S)	600m	060°	Weak mineralization, sub-cropping
“B”	56E-59E (\approx 225N)	300m	090°	Possibly the eastern extension of anomaly “A”
“C”	64E-65E (\approx 750N)	100m	090°	Heavily disseminated mineralization, near surface. Other weaker anomalies just south.
“D”	70E-75E (1200N-1500N)	500m	E-W to NW-SE	Discontinuous but well-defined. Possibly out-cropping on L-71E.
“E”	76E-78E (\approx 700N)	200m	E-W	Obscured by power line.
“F”	77E-81E (\approx 1000N)	400m	E-W	Obscured by power line.
“G”	93E-105E (2000N-2300N)	1200 m	E-W	Probably a graphitic shear zones. Strongest toward the East.

Table 1. I.P. anomaly clusters

The remaining un-labeled I.P. anomalies (most of those shown as thin squares on the pseudo-sections and maps) are somewhat weaker, more discontinuous, short or less well defined and could be the result of weakly mineralized units or simply higher background polarization associated with changes in rock types or changes in bulk resistivity. One anomaly trend, between L-4800E/900N and L-5000E/1000N (a NE-SW trend) is probably the northeast extension of the Card Lake zone (graphite & sulphides).

Conclusion and recommendations

The Induced Polarization surveys which were recently completed for **Barrick Gold Corp.** over eight claim blocks (Manville, Barrick-East, Lenora, Three-Star, Worvest, Worvest-East, Mc-Dermott & Mattawasaga) of the Holt-McDermott project, have successfully defined several I.P. anomaly trends consisting of variable amounts of bedrock metallic sulphides such as disseminated or stringer pyrite and occasionally graphite.

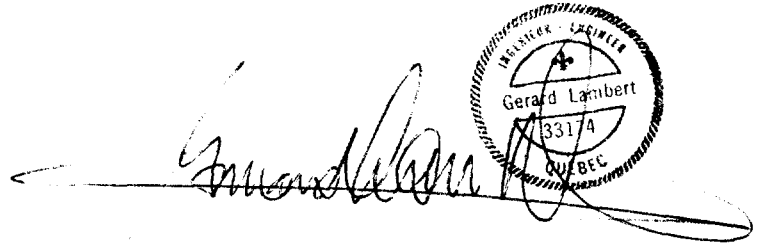
Depending on the knowledge of the property's geology from compilation of past exploration work, some of these I.P. anomalies may be readily written off as having been properly explained (by drill holes or outcrop samples). However the remaining responses which have not been yet accounted for should definitely be investigated further either by surface prospecting or diamond drilling.

Although it is difficult, *from a geophysical point of view alone*, to rate any I.P. anomaly in terms of its **economic** potential, especially when one is exploring for gold, it is expected that most of the I.P. anomalies should be caused by *metallic* mineralization such as pyrite (with possibly accessory pyrrhotite or chalcopyrite) and graphite in bedrock units, at depths not exceeding 75 meters below ground surface.

From a strictly geophysical standpoint, these interpreted I.P. responses certainly deserve further investigation by means of stripping (in the high-resistivity areas) or diamond drilling, aiming in the latter case at intersecting the mineralized units at about 80 meters below ground surface. The causative sources appear to be sub-vertical, so the direction of drilling is not critical.

The choice of drilling priorities will however require some input from other sources of geoscientific information, such as compilations of past work, the presence and position of nearby gold showings and mineralized intersections, as well as an analysis of the magnetic map in conjunction with the regional geological compilation.

It is highly recommended that all high-resistivity zones be visited the in the field, as there are excellent chances that new bedrock exposures might be discovered.

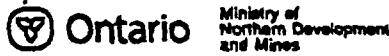


Rouyn-Noranda, Québec

Gérard Lambert, P.Eng.

January 6, 1998

Consulting Geophysicist



Declaration of Assessment Work Performed on Crown Lands

v. 6623, R.S.O. 1990

Transaction Number (also used for Assessment File Research Imaging)
W9880.00345



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subsection 88(2) of the Mining Act. Under section 8 of the Mining Act, assessment work and correspond with the mining land holder. Questions of Northern Development and Mines, 8th Floor, 938 Ramsey Lake Road.

PROVINCIAL RECORDING OFFICE - SUDBURY
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719191010211213141516

Instructions: - For work performed on mining lands, use form 0241.
- Please type or print in ink.

** Amendment.*

1. Recorded holder(s) (Attach a list if necessary)

Name American Barrick Resources Corporation	Client Number 102119
Address 2, Chemin Bousquet, Route 395, Preissac, Québec, JOY 2E0	Telephone Number (819) 759-8208
	Fax Number (819) 759-3527
Name	Client Number
Address	Telephone Number
	Fax Number

2. Type of work performed. Only regional surveys and prospecting work are allowed on Crown Lands before recording. For work performed after recording a claim or on other mining lands, use form 0241.

Work Type I.P. Survey and Line cutting	Office Use
	Commodity
	Total \$ Value of Work Claimed 63,209
Dates Work Performed From 01 07 1997 To 30 07 1997	NTS Reference
Global Positioning System Data (if available)	Mining Division Rarder Lake
Township/Area Barker, Holloway	Resident Geologist District Kirkland Lake
M or G-Plan Number G-3643 & G3651	

Please remember to: - complete and attach a Statement of Costs, form 0212;
- provide a map showing contiguous mining lands that are linked for assigning work;
- include two copies of your technical report;
- provide proper notice to surface rights holders before starting work.

3. Person or companies who prepared the technical report (Attach a list if necessary)

Name Gérard Lambert Géosciences	Telephone Number (819) 762-3182
Address 144 rue Georges, C.P. 2355, Rouyn-Noranda, Québec	Fax Number (819) 762-5364
Name Rémy Bélanger Enrg.	Telephone Number (819) 279-2206
Address C.P. 40, Evain, Québec, JOZ 1Y0	Fax Number (819) 797-6047
Name Gaétan Tremblay Inc.	Telephone Number (819) 948-2608
Address C.P. 467, Duparquet, Québec, JOZ 1W0	Fax Number

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4. Certification by Recorded Holder or Agent

I, Gerald Panneton (Print Name), do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.

Signature of Recorded Holder or Agent <i>[Signature]</i>	Date April 21, 1998
Agent's Address 2, Chemin Bousquet, Route 395, Preissac, Qc	Telephone Number (819) 759-8208
	Fax Number (819) 759-3527

0240 (02/98)

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C.P. 467, Duparquet, Québec, JOZ 1W0

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4. Certification by Recorded Holder or Agent

I, Gerald Panneton (Print Name), do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.

Signature of Recorded Holder or Agent <i>[Signature]</i>	Date April 21, 1998
Agent's Address 2, Chemin Bousquet, Route 395, Preissac, Qc	Telephone Number (819) 759-8208
	Fax Number (819) 759-3527

0240 (02/98)

A. Panneton

Work to be recorded and distributed. Work that is performed on a mining claim, can be claimed at 100% of its value (state this amount in column "a" below). If work is performed on Crown lands and not enclosed within a subsequently recorded claim, it can be claimed at 25% of its value (state this amount in column "b" below). Work can only be assigned to claims that are contiguous to (adjoining) the lands where work was performed at the time work was performed. A map showing the contiguous link must accompany this form.

*** Amendment** **W9880.00345**

Mining Claim Number	No. of Claim Units acres	Value of work performed before recording a mining claim		Value of work applied to this claim	Value of work assigned to other mining claims	Bank Value of work to be distributed at a later date.
		(a) Work new within a claim. Show 100% of cost.	(b) Work on adjacent Crown lands. Show 25% of cost.			
1234567	4	84800	8725	\$1800	\$800	\$3305
1234568	2	N/A	N/A	\$ 800	N/A	N/A
8000 770 1	74	74 acres Parcel 15180C 5,728	0	0	5,728 0	5,728
771 2	159	54 acres Parcel 15340C 12,227	0	0	2,616 0	2,616 12,227
772 3	47	32 acres Parcel 15470C 3,626	0	0	3,626 1468	2158
773 4	15	.35 acres Parcel 17300C 11,599	0	0	0	11,599
774 5	85	99 acres Parcel 17300C 6,590	0	0	6,590 0	6,590
775 6	8.44	ac. 647	0	0	647	0
776 7	5.7	ac. 429	0	0	429	0
777 8	5.8	ac. 444	0	0	444	0
778 9	8.66	ac 664	0	0	664	0
779 10	7.75	ac 594	0	0	594	0
780 11	17.5	ac 1342	0	0	1342	0
781 12	15.58	ac 1194	0	0	1194	0
782 13	15.47	ac 1186	0	0	1186	0
783 14	21.56	ac 1652	0	0	1652	0
784 15	21.76	ac 1668	0	0	1668	0
Column Totals		see sheet 2				

I, Gerald Panneton (Print Full Name), do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/98 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Recorded Holder or Agent Authorized in Writing: [Signature] Date: April 22, 1998

6. Instructions for cutting back credits that are not approved.

Some of the credits claimed in this declaration may be cut back. Please check (✓) in the boxes below to show how you wish to prioritize the deletion of credits:

- 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- 2. Credits are to be cut back starting with the claims listed last, working backwards; or
- 3. Credits are to be cut back equally over all claims listed in this declaration; or
- 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):

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Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

For Office Use Only

Received Stamp	Deemed Approved Date	Date Notification Sent
	Date Approved	Total Value of Credit Approved
	Approved for Recording by Mining Recorder (Signature)	

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Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

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Received Stamp	Deemed Approved Date	Date Notification Sent
	Date Approved	Total Value of Credit Approved
	Approved for Recording by Mining Recorder (Signature)	

Sheet 2

*** Amendment**

8000 785
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Claim Number, or if done on other eligible land, show in this column location number indicated on claim map.	Number of Claim Units. For other mining land, list hectares. acres	Value of work performed on this claim or other mining land	Value of work applied to this claim	Value of work assigned to other mining claims	Bank. Value of work to be distributed at a future date
L11312	9.25 ac	710 ✓	0	710	0
L11313	8.4 ac	644 ✓	0	644	0
L11314	15.99 ac	1225 ✓	0	1225	0
L11315	11.85 ac	908 ✓	0	908	0
L11316	13.72 ac	1051 ✓	0	1051	0
L11381	10.52 ac	806 ✓	0	806	0
L11382	9.01 ac	691 ✓	0	691	0
L11383	9.41 ac	721 ✓	0	721	0
L11417	16.13 ac	1236 ✓	0	1236	0
L11418	8.43 ac	646 ✓	0	646	0
L11479	8.39 ac	643 ✓	0	643	0
L11535	9.98 ac	765 ✓	0	765	0
L11548	9.48 ac	727 ✓	0	727	0
L11614	9.21 ac	706 ✓	0	706	0
L12314	8.01 ac	614 ✓	0	614	0
L13137	11.53 ac	884 ✓	0	884	0
L36699	8.39 ac	643 ✓	0	643	0
L1184131	6 unit	0	7,200 5272 ✓	0	0
L641387	1 unit	0	1,200 318 ✓	0	0
L641388	1 unit	0	1,200 318 ✓	0	0
L641389	1 unit	0	1,200 318 ✓	0	0
L641390	1 unit	0	1,200 318 ✓	0	0
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Column Totals		see sheet 3			

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Ontario

Northern Development and Mines

Assessment Work on Mining Land

L9880.00345

* Amendment

Claim Number. Or if done on other eligible land, show in this column location number indicated on claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land	Value of work applied to this claim	Value of work assigned to other mining claims	Mark. Value of work to be distributed at a future date
L641404	1 unit	0	1,200 319	0	0
L641405	1 unit	0	1,200 319	0	0
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L641410	1 unit	0	1,200 800	0	0
L641411	1 unit	0	1,200 800	0	0
L641412	1 unit	0	1,200 800	0	0
L641413	1 unit	0	1,200 800	0	0
L802656	1 unit	0	1,200 319	0	0
L802657	1 unit	0	1,200 931	0	0
L802658	1 unit	0	1,200	0	0
L802659	1 unit	0	1,200	0	0
L802668	1 unit	0	1,200 319	0	0
L802669	1 unit	0	1,200 800	0	0
L802671	1 unit	0	1,200	0	0
L802672	1 unit	0	1,200	0	0
L802673	1 unit	0	1,200	0	0
L802674	1 unit	0	1,200	0	0
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C. Perry

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Column Totals		63,209	48,000	48,000	15,210
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Personal information collected on this form is obtained under the authority of subsection 6(1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Act, the information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to the Chief Mining Recorder, Ministry of Northern Development and Mines, 6th Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

Work Type	Units of Work <small>Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.</small>	Cost Per Unit of work	Total Cost
Induced Polarization survey	64.45 km	550.00\$/km	37,929
Line cutting (invoice 97-06)	27.625 km	250.00\$/km	7,390
Line cutting (invoice 97-05)	60 km	250.00\$/km	16,050
IP report			1,840
Associated Costs (e.g. supplies, mobilization and demobilization).			
Transportation Costs			
Food and Lodging Costs			
Total Value of Assessment Work			63,209

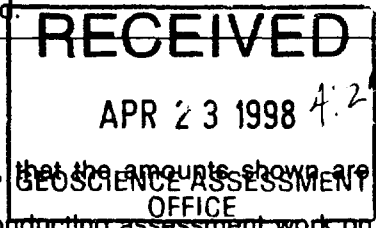
Calculations of Filing Discounts:

1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
2. If work is filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work. If this situation applies to your claims, use the calculation below:

TOTAL VALUE OF ASSESSMENT WORK × 0.50 = Total \$ value of worked claimed.

Note:

- Work older than 5 years is not eligible for credit.
- A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of a request for verification and/or correction/clarification. If verification and/or correction/clarification is not made, the Minister may reject all or part of the assessment work submitted.


Certification verifying costs:

I, Gérald Panneton (please print full name), do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying Declaration of Work form as Agent I am authorized (recorded holder, agent, or state company position with signing authority) to make this certification.

Signature	Date
	April 21, 1998

Geoscience Assessment Office
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

Telephone: (888) 415-9846
Fax: (705) 670-5881

July 3, 1998

Gerald Panneton
AMERICAN BARRICK RESOURCES CORPORATION
2, Chemin Bousquet
Route 395
Preissac, Quebec
JOY 2E0

Visit our website at:
www.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm

Dear Sir or Madam:

Submission Number: 2.18543

Status

Subject: Transaction Number(s): W9880.00345 Deemed Approval

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. **WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.**

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice. Allowable changes to your credit distribution can be made by contacting the Geoscience Assessment Office within this 45 Day period, otherwise assessment credit will be cut back and distributed as outlined in Section #6 of the Declaration of Assessment work form.

Please note any revisions must be submitted in DUPLICATE to the Geoscience Assessment Office, by the response date on the summary.

If you have any questions regarding this correspondence, please contact Steve Beneteau by e-mail at benetest@epo.gov.on.ca or by telephone at (705) 670-5855.

Yours sincerely,



ORIGINAL SIGNED BY
Blair Kite
Supervisor, Geoscience Assessment Office
Mining Lands Section

Work Report Assessment Results

Submission Number: 2.18543

Date Correspondence Sent: July 03, 1998

Assessor: Steve Beneteau

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9880.00345	1518LC	HARKER, HOLLOWAY	Deemed Approval	July 03, 1998

Section:
14 Geophysical IP

Note, in subsequent submissions of this nature, please ensure a map at a scale of 1:5,000 clearly showing the claim boundaries and claim numbers for all areas where work was performed, accompanies the work report.

Correspondence to:

Resident Geologist
Kirkland Lake, ON

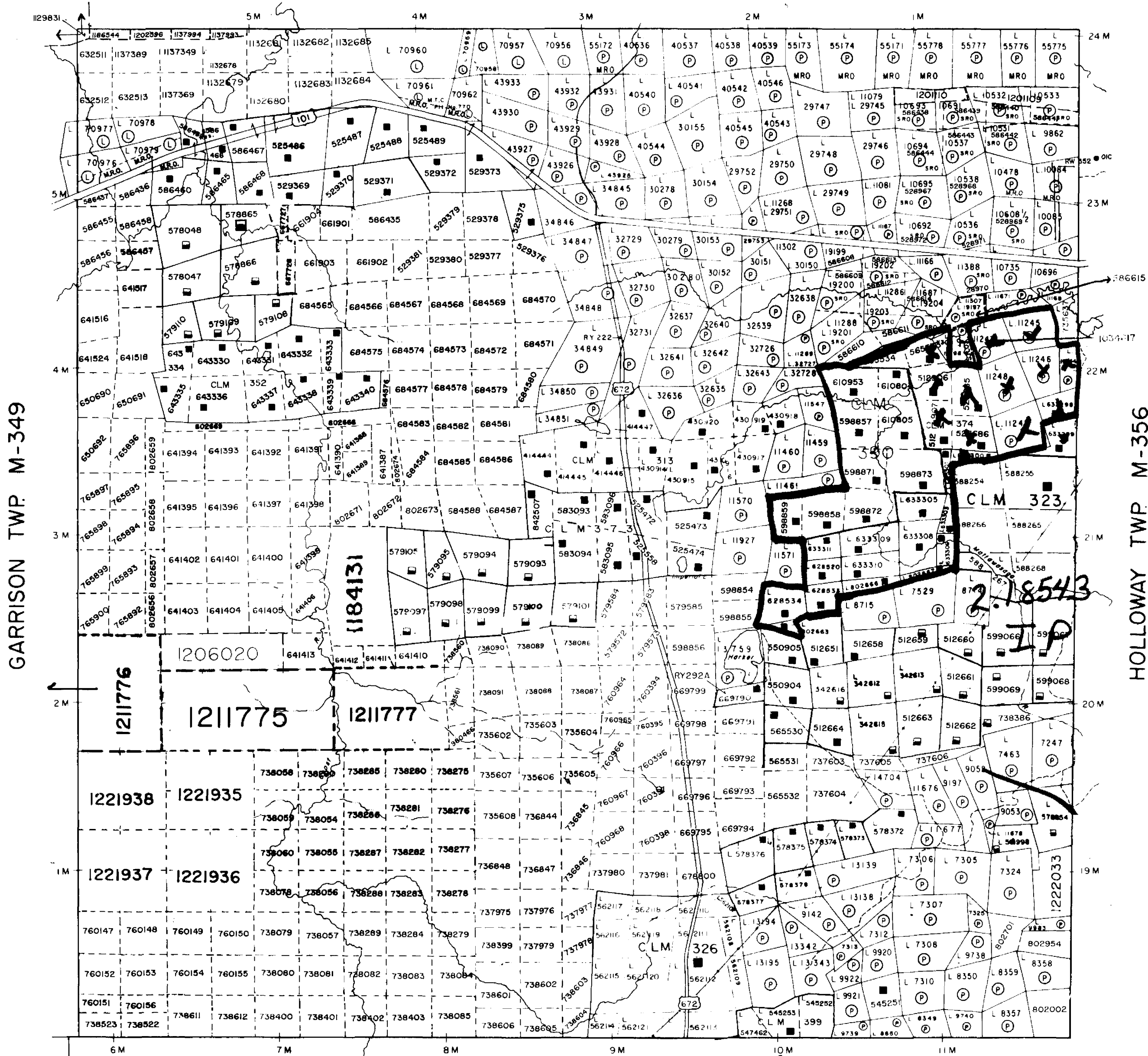
Recorded Holder(s) and/or Agent(s):

Gerald Panneton
AMERICAN BARRICK RESOURCES CORPORATION
Preissac, Quebec

Assessment Files Library
Sudbury, ON

LAMPLUGH TWP M-358

NOTICE OF FORESTY ACTIVITY... THIS TOWNSHIP/AREA FALLS WITHIN THE ABITIBI MANAGEMENT UNIT AND MAY BE SUBJECT TO FORESTRY OPERATIONS. THE M.N.R. UNIT FORESTER FOR THIS AREA CAN BE CONTACTED AT: P.O. BOX 129 SWASTIKA ONT. POK-ITO 705-642-3222



GARRISON TWP M-349

HOLLOWAY TWP M-356

ELLIOTT TWP M-347

THE TOWNSHIP OF

HARKER

DISTRICT OF COCHRANE

LARDER LAKE MINING DIVISION

SCALE: 1-INCH 40 CHAINS

LEGEND

- PATENTED LAND CROWN LAND SALE LEASES LOCATED LAND LICENSE OF OCCUPATION MINING RIGHTS ONLY SURFACE RIGHTS ONLY ROADS IMPROVED ROADS KING'S HIGHWAYS RAILWAYS POWER LINES MARSH OR MUSKOG MINES CANCELLED PATENTED S.R.O. LEASE - MINING RIGHTS ONLY ORDER - IN - COUNCIL

NOTES

400' Surface Rights reservation along the shores of all lakes and rivers.

AREAS WITHDRAWN FROM DISPOSITION

- M.R.O. - MINING RIGHTS ONLY S.R.O. - SURFACE RIGHTS ONLY M.+ S. - MINING AND SURFACE RIGHTS

L.U.P. LAND USE PERMIT NO. 117130, PENDING APPLICATION UNDER PUBLIC LANDS ACT

DATE OF ISSUE

July 13 1999 PROVINCIAL RECORDING OFFICE - SUDBURY

Ministry of Natural Resources Ontario Ministry of Northern Development and Mines

Date: G-3643

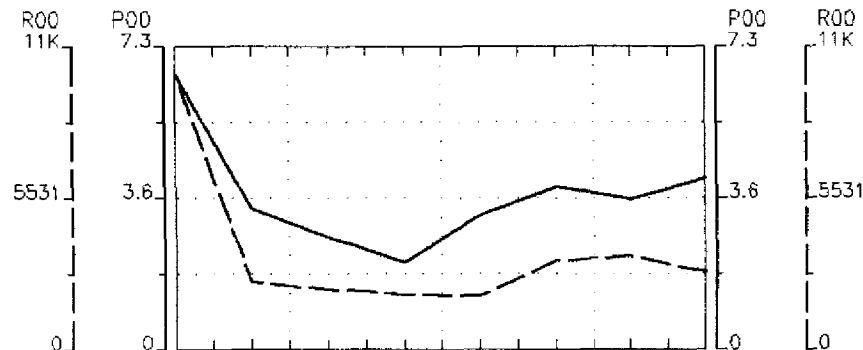
CIRCULATED FEB. 26, 1990

ARCHIVED APRIL 3, 1995

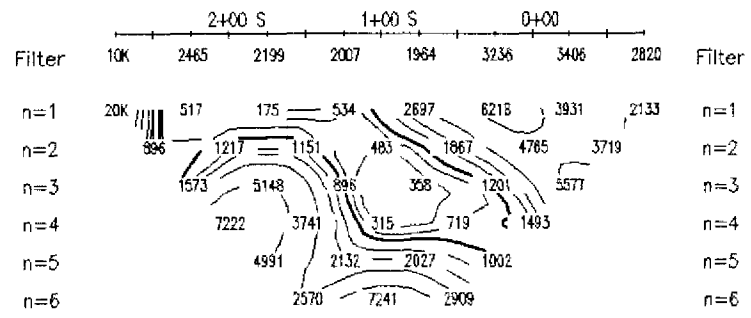
ARCHIVED OCT. 1, 1996

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES. AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO START MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES. FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.



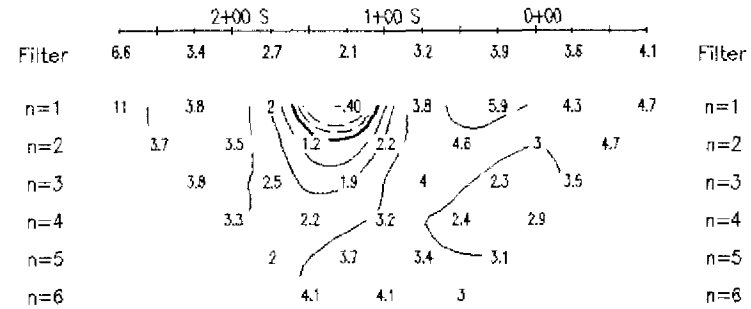


RESISTIVITY
OHM-METERS



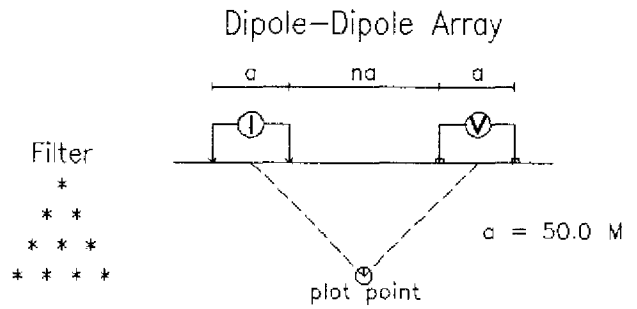
RESISTIVITY
OHM-METERS

PHASE
MRAD



PHASE
MRAD

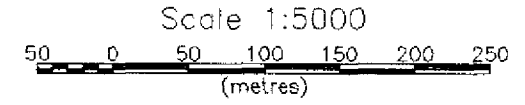
Line 4300 E



Filter * * * * *
Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- ▣ Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.



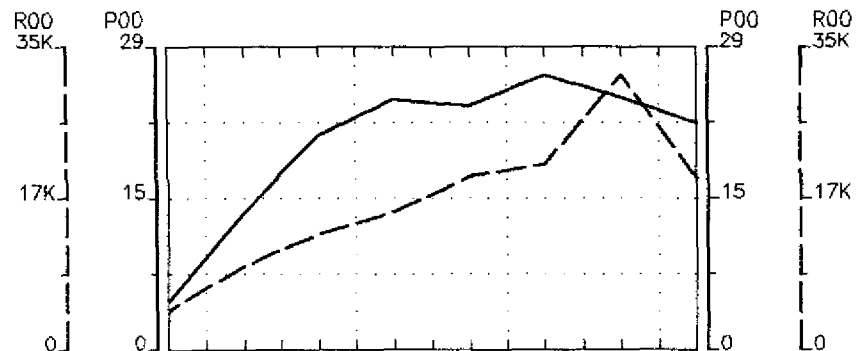
BARRICK GOLD CORPORATION

INDUCED POLARIZATION SURVEY
HOLT - MC DERMOTT PROJECT
HARKER & HOLLOWAY TWP - ONTARIO

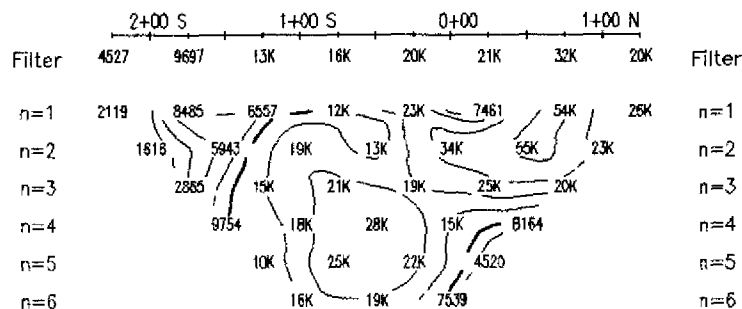
Date: 97/07/01
Interpretation: GERARD LAMBERT (V-5 PHOENIX RX)

REMY BELANGER (GEOPHYSICAL CONTRACTOR)



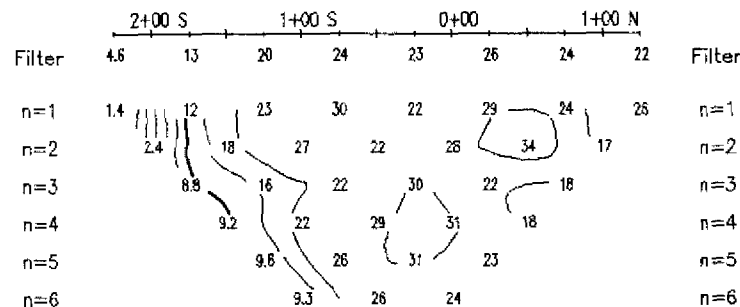


RESISTIVITY
OHM-METERS



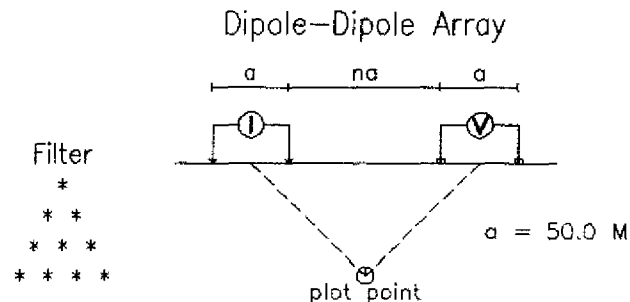
RESISTIVITY
OHM-METERS

PHASE
MRAD



PHASE
MRAD

Line 4400 E



Logarithmic
Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- ▣ Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000



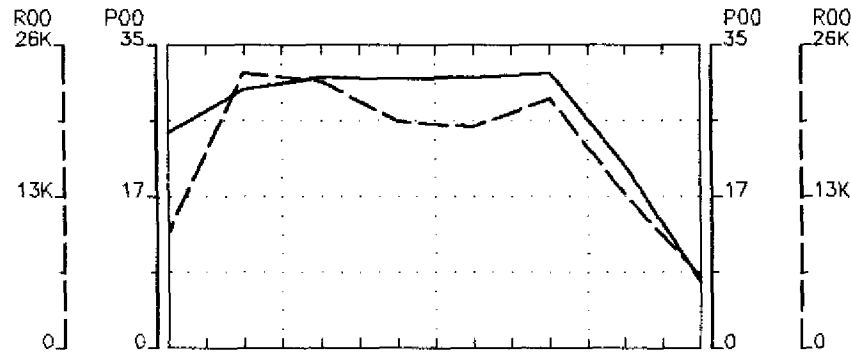
BARRICK GOLD CORPORATION

INDUCED POLARIZATION SURVEY
HOLT - MC DERMOTT PROJECT
HARKER & HOLLOWAY TWP'S - ONTARIO

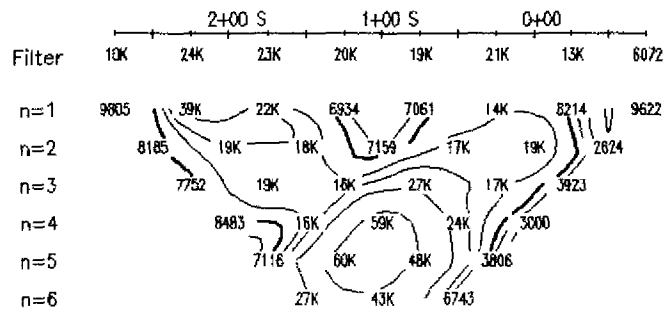
Date: 97/07/01
Interpretation: GERARD LAMBERT (V-5 PHOENIX RX)

REMY BELANGER (GEOPHYSICAL CONTRACTOR)

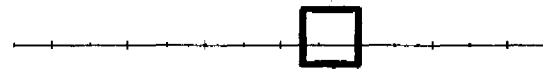
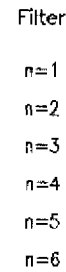




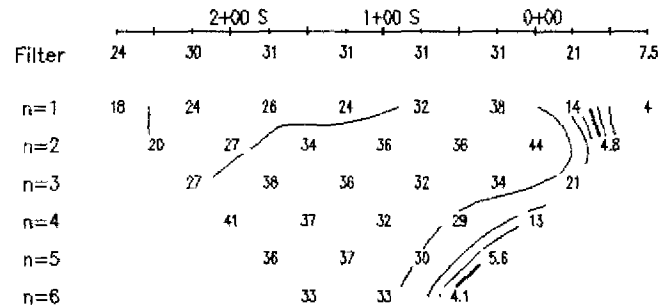
RESISTIVITY
OHM-METERS



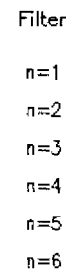
RESISTIVITY
OHM-METERS



PHASE
MRAD

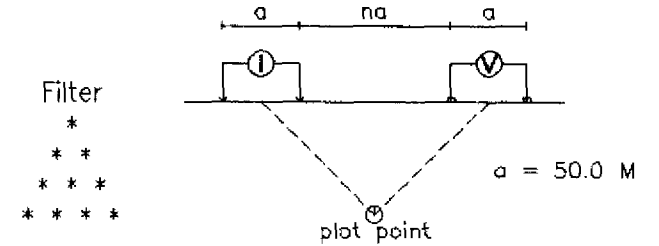


PHASE
MRAD



Line 4500 E

Dipole-Dipole Array



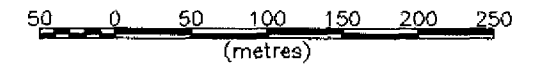
Filter
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Logarithmic
Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- ▣ Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000



BARRICK GOLD CORPORATION

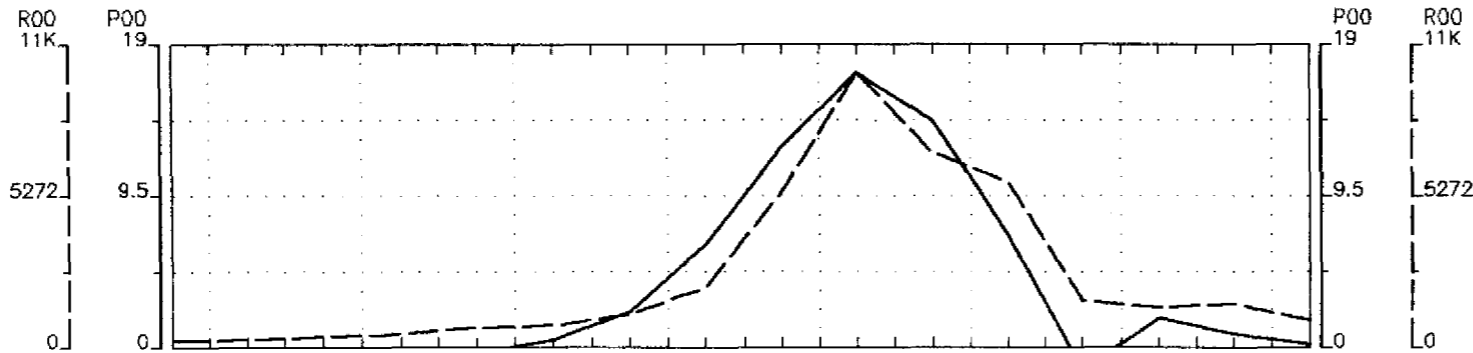
**INDUCED POLARIZATION SURVEY
HOLT - MC DERMOTT PROJECT
HARKER & HOLLOWAY TWPS - ONTARIO**

Date: 97/07/01
Interpretation: GERARD LAMBERT (V-5 PHOENIX RX)

REMY BELANGER (GEOPHYSICAL CONTRACTOR)

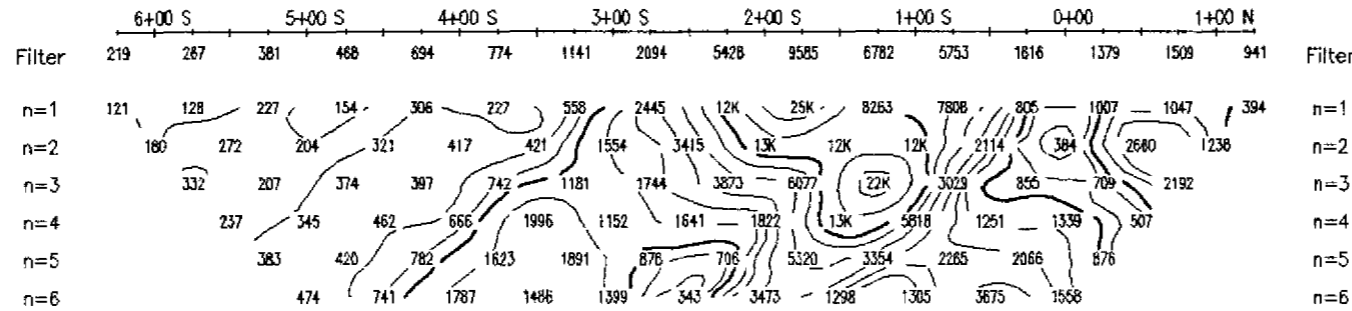
230

33D12SN2004 2.18543 HARKER



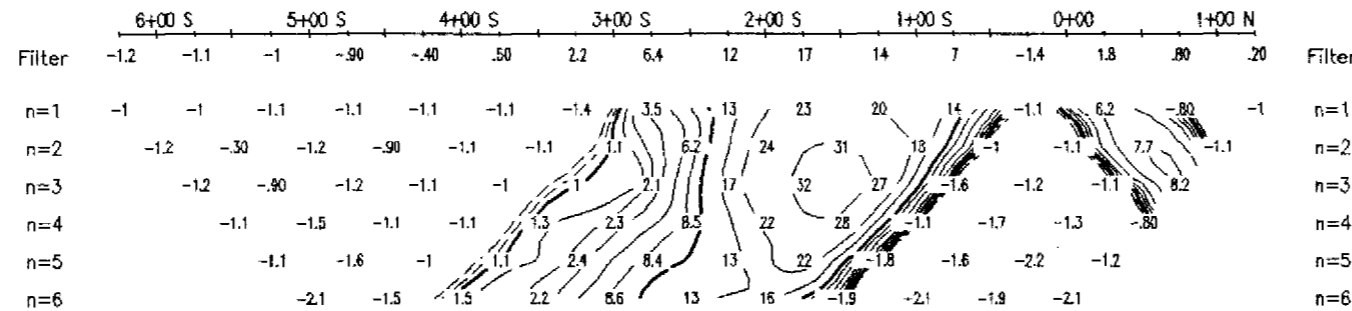
RESISTIVITY
OHM-METERS

RESISTIVITY
OHM-METERS



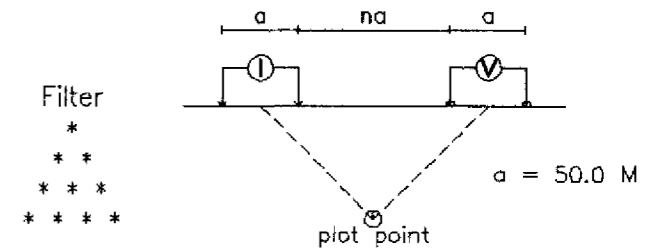
PHASE
MRAD

PHASE
MRAD



Line 4600 E

Dipole-Dipole Array



Filter

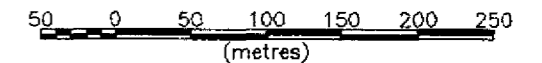
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* * * *

Logarithmic
Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- ▣ Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000



BARRICK GOLD CORPORATION

INDUCED POLARIZATION SURVEY
HOLT - MC DERMOTT PROJECT
HARKER & HOLLOWAY TWP - ONTARIO

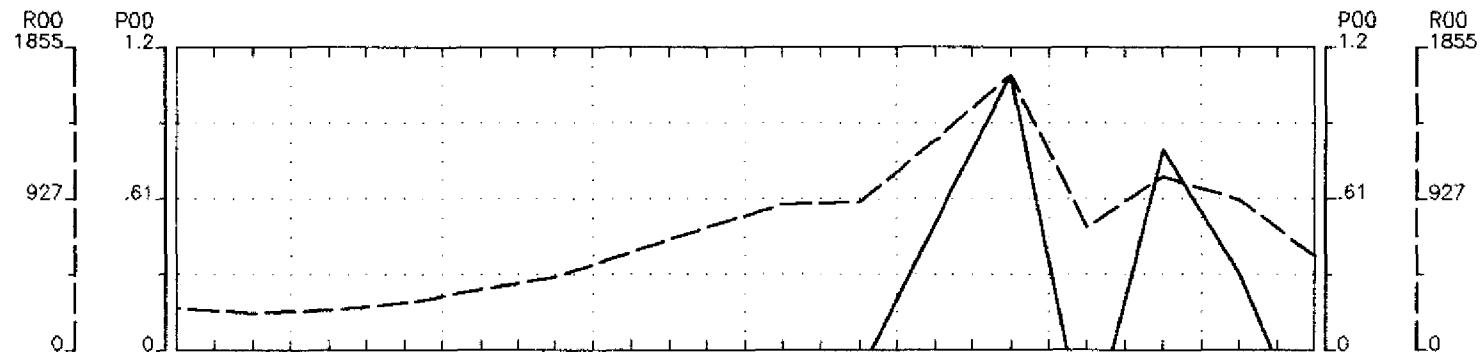
Date: 97/07/02
Interpretation: GERARD LAMBERT (V-5 PHOENIX RX)

REMY BELANGER (GEOPHYSICAL CONTRACTOR)



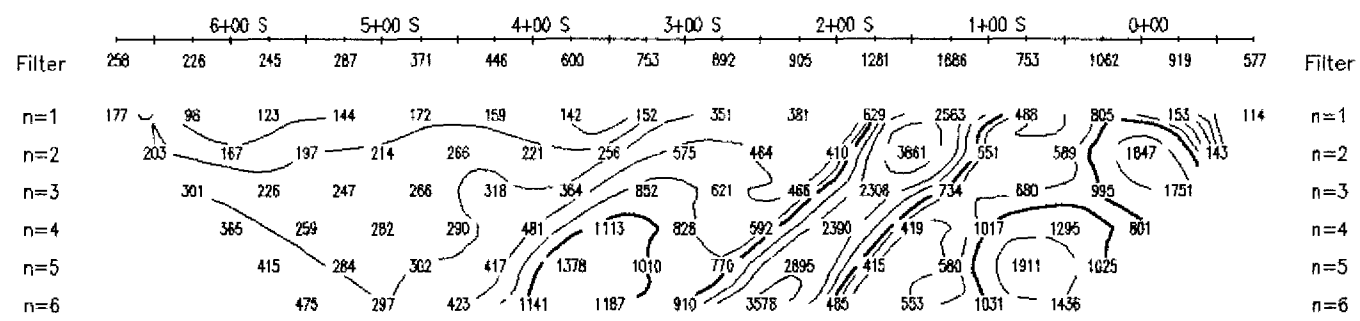
240

32D128W2004 2.18543 HARKER



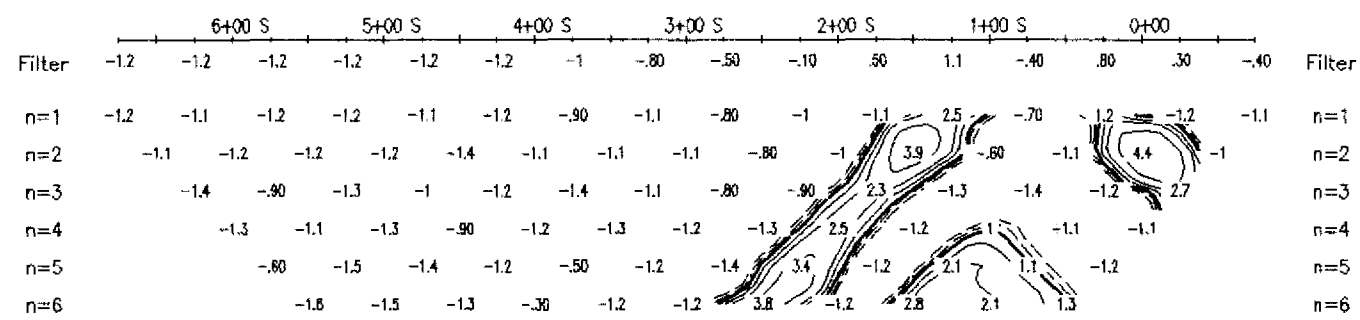
RESISTIVITY
OHM-METERS

RESISTIVITY
OHM-METERS



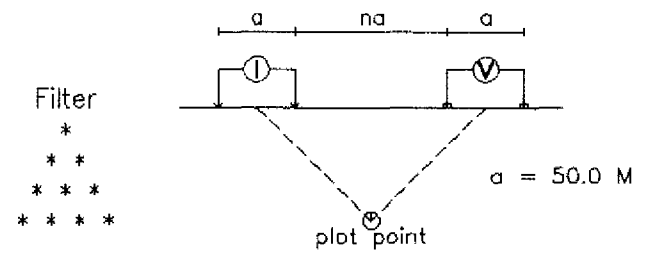
PHASE
MRAD

PHASE
MRAD



Line 4700 E

Dipole-Dipole Array

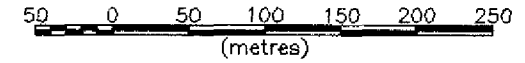


Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- ▣ Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000



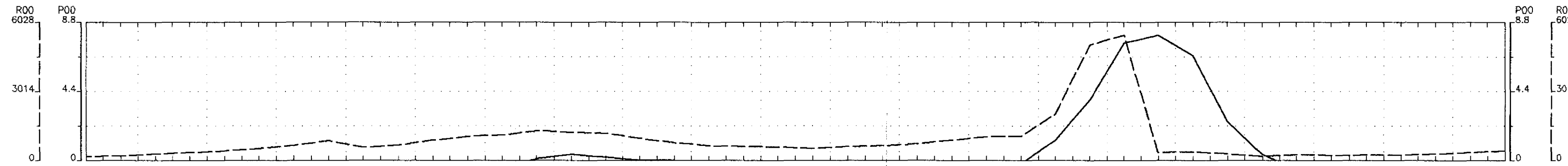
BARRICK GOLD CORPORATION

INDUCED POLARIZATION SURVEY
HOLT - MC DERMOTT PROJECT
HARKER & HOLLOWAY TWPS - ONTARIO

Date: 97/07/02
Interpretation: GERARD LAMBERT (V-5 PHOENIX RX)

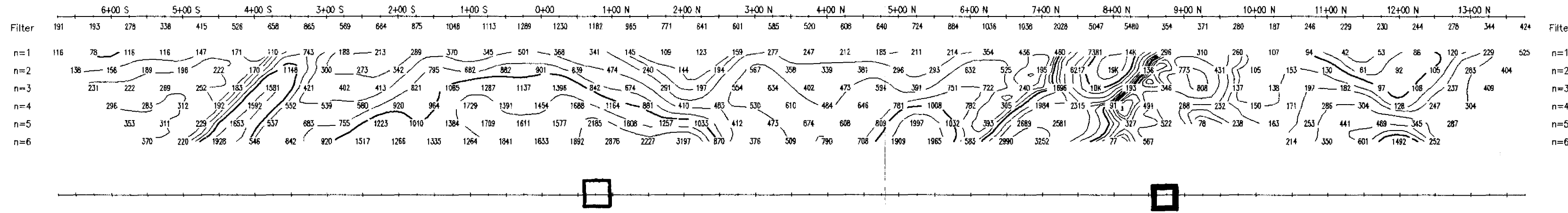
REMY BELANGER (GEOPHYSICAL CONTRACTOR)

32D12SW2004 2.18543 HARKER 250



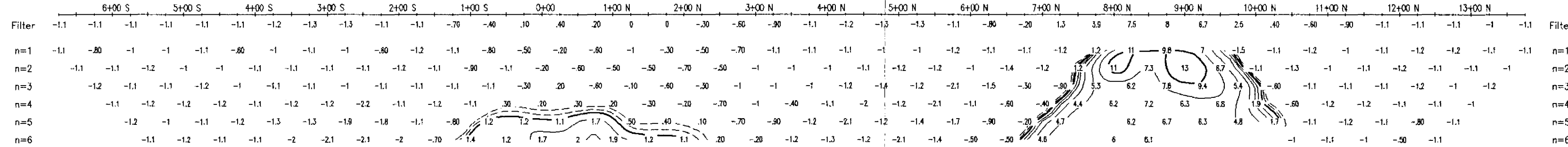
RESISTIVITY
OHM-METERS

RESISTIVITY
OHM-METERS

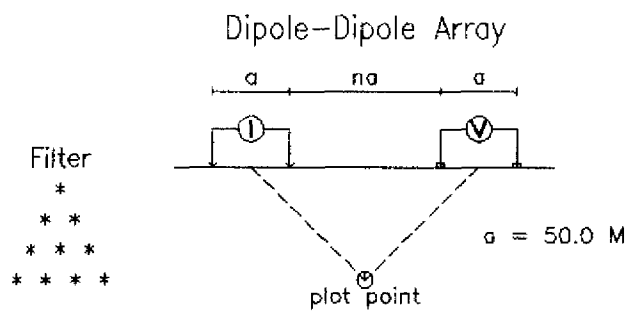


PHASE
MRAD

PHASE
MRAD



Line 4800 E



Filter * * * * *
Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- ▣ Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000
50 0 50 100 150 200 250 (metres)

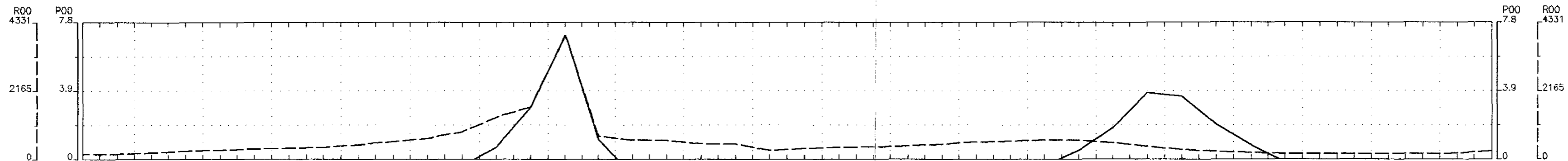
BARRICK GOLD CORPORATION

**INDUCED POLARIZATION SURVEY
HOLT - MC DERMOTT PROJECT
HARKER & HOLLOWAY TWP'S - ONTARIO**

Date: 97/07/02
Interpretation: GERARD LAMBERT (V-5 PHOENIX RX)

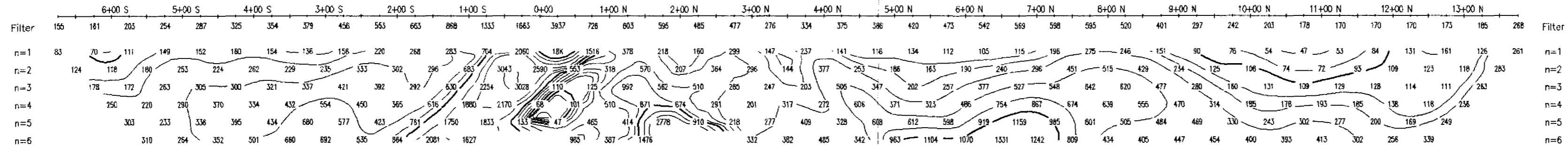
REMY BELANGER (GEOPHYSICAL CONTRACTOR)

260
 HARKER
 32D125W2004 2.18543



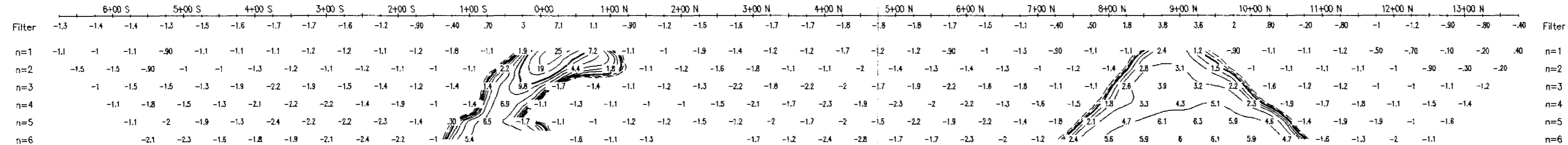
RESISTIVITY
OHM-METERS

RESISTIVITY
OHM-METERS

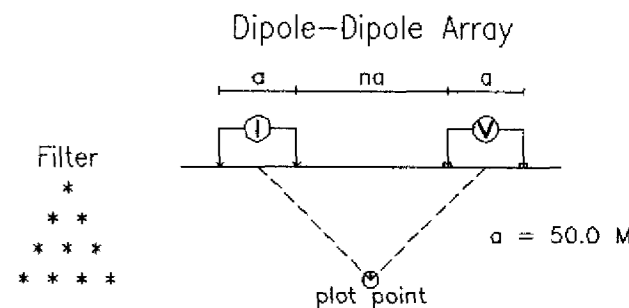


PHASE
MRAD

PHASE
MRAD



Line 4900 E



Filter
*
**

Logarithmic
Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- ▣ Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000



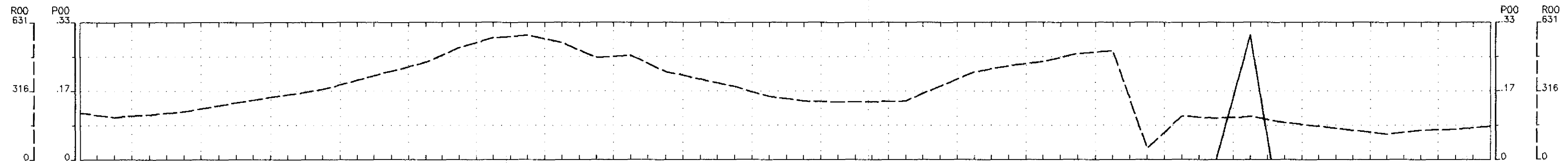
BARRICK GOLD CORPORATION

INDUCED POLARIZATION SURVEY
HOLT - MC DERMOTT PROJECT
HARKER & HOLLOWAY TWPS - ONTARIO

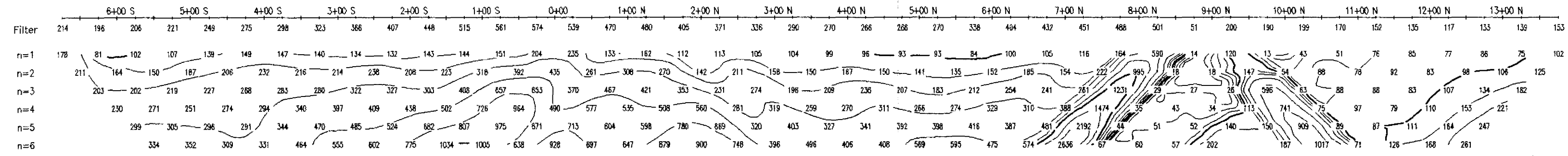
Date: 97/07/01
Interpretation: GERARD LAMBERT (V-5 PHOENIX RX)

REMY BELANGER (GEOPHYSICAL CONTRACTOR)

270
HARKER
32D12SW2004 2.18543

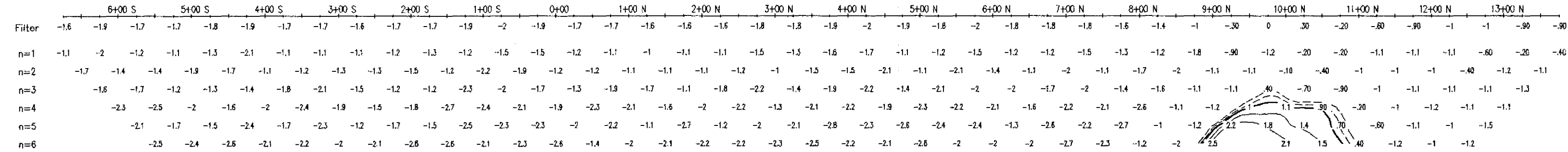


RESISTIVITY
OHM-METERS



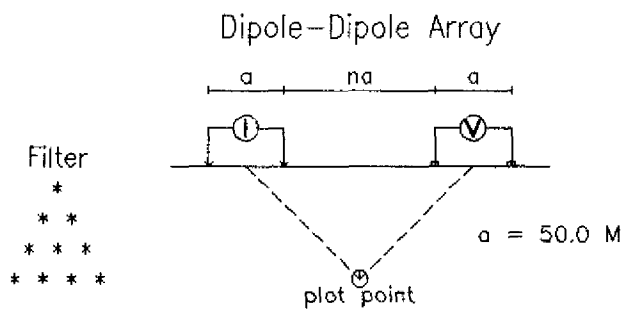
RESISTIVITY
OHM-METERS

PHASE
MRAD



PHASE
MRAD

Line 5000 E

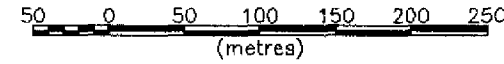


Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000



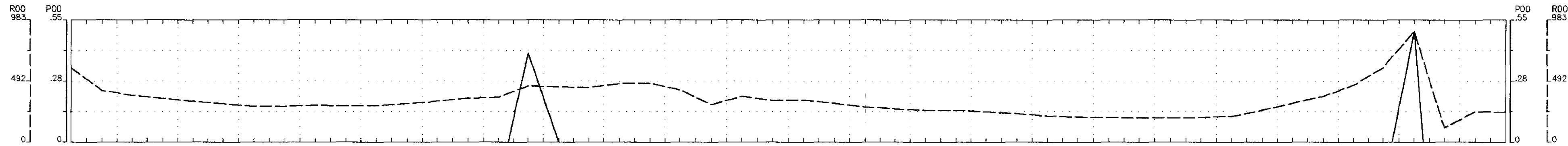
BARRICK GOLD CORPORATION

INDUCED POLARIZATION SURVEY
HOLT - MC DERMOTT PROJECT
HARKER & HOLLOWAY TWPS - ONTARIO

Date: 97/07/01
Interpretation: GERARD LAMBERT (V-5 PHOENIX RX)

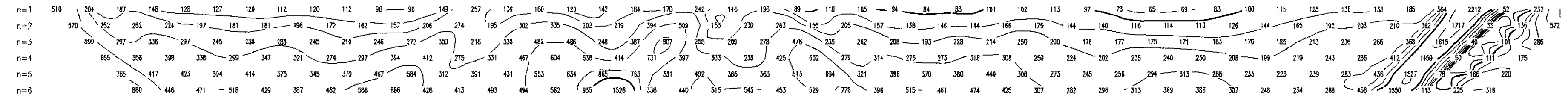
REMY BELANGER (GEOPHYSICAL CONTRACTOR)





RESISTIVITY
OHM-METERS

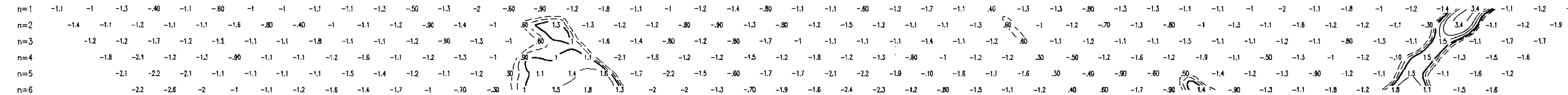
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RESISTIVITY
OHM-METERS

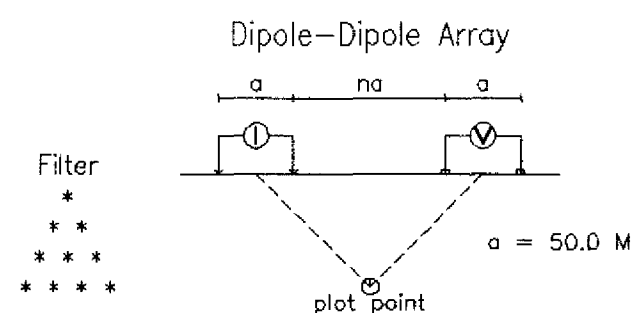
PHASE
MRAD

Filter -1.4 -1.5 -1.5 -1.3 -1.4 -1.2 -1.2 -1.1 -1.2 -1.2 -1.2 -1.1 -1.1 -0.90 -0.20 40 0 -0.60 -0.90 -1 -1.2 -1.3 -1.3 -1.4 -1.4 -1.3 -1.3 -1.3 -1.2 -0.60 -0.70 -0.80 -0.80 -0.80 -0.80 -1 -1 -1 -1 -1.3 -1.1 -1 -0.70 -0.60 -0.20 0.50 -1.2 -1.5 -1.5 Filter



PHASE
MRAD

Line 5300 E



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- ▣ Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

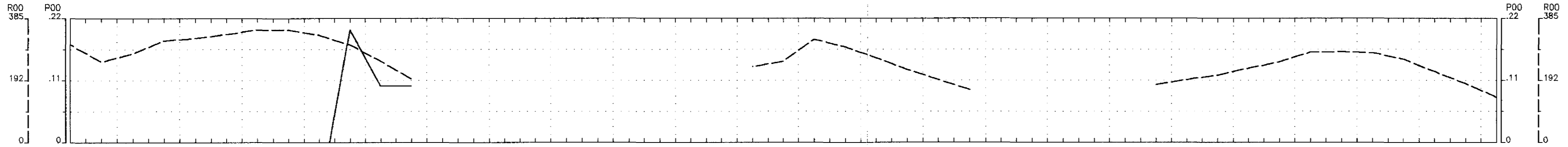
Scale 1:5000
50 0 50 100 150 200 250 (metres)

BARRICK GOLD CORPORATION
INDUCED POLARIZATION SURVEY
HOLT - MC DERMOTT PROJECT
HARKER & HOLLOWAY TWPS - ONTARIO

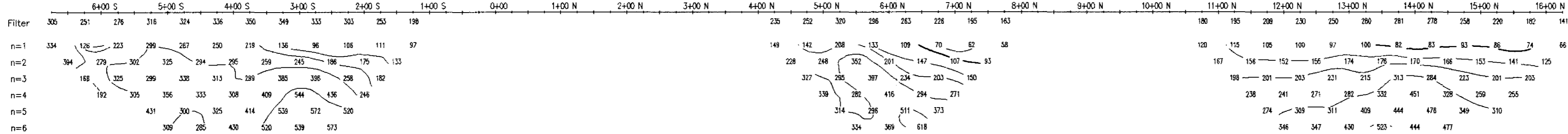
Date: 97/07/08
Interpretation: GERARD LAMBERT (V-5 PHOENIX RX)

REMY BELANGER (GEOPHYSICAL CONTRACTOR)

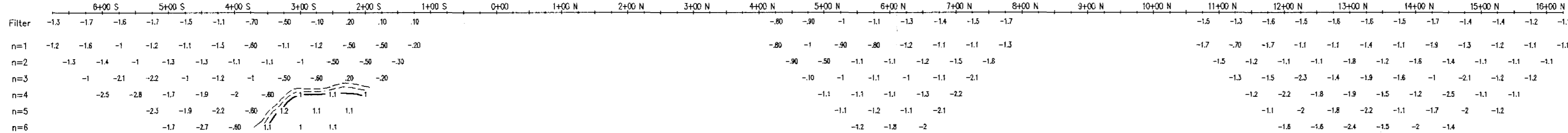
32D12SW2004 2.18543 HARKER 310



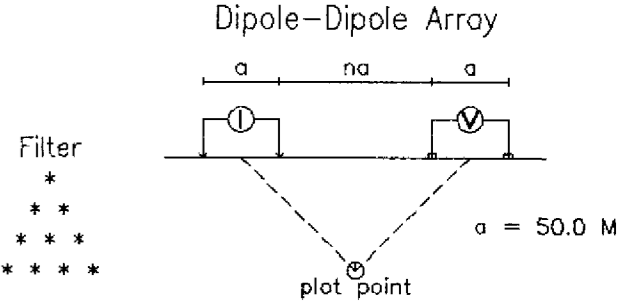
RESISTIVITY
OHM-METERS



PHASE
MRAD



Line 5400 E



Filter *
* *
* * *
* * * *
Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- ▣ Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000
50 0 50 100 150 200 250
(metres)

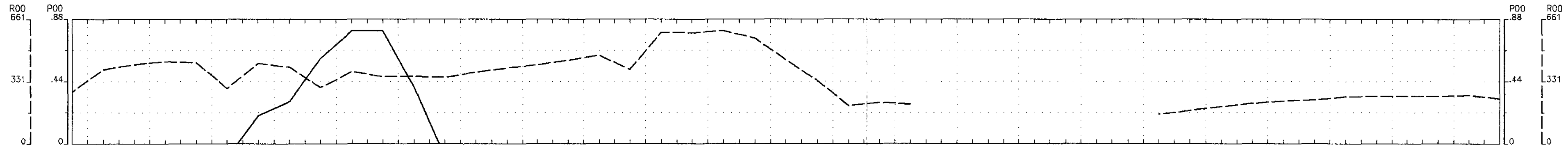
BARRICK GOLD CORPORATION

INDUCED POLARIZATION SURVEY
HOLT - MC DERMOTT PROJECT
HARKER & HOLLOWAY TWPS - ONTARIO

Date: 97/07/08
Interpretation: GERARD LAMBERT (V-5 PHOENIX RX)

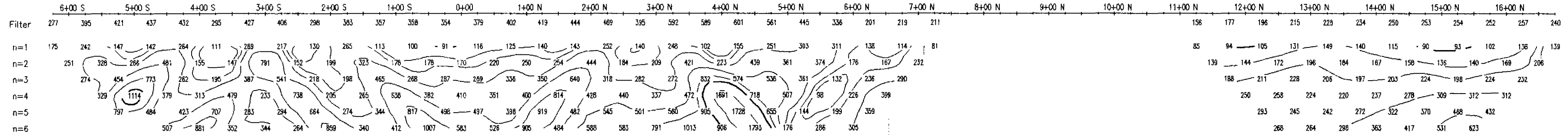
REMY BELANGER (GEOPHYSICAL CONTRACTOR)





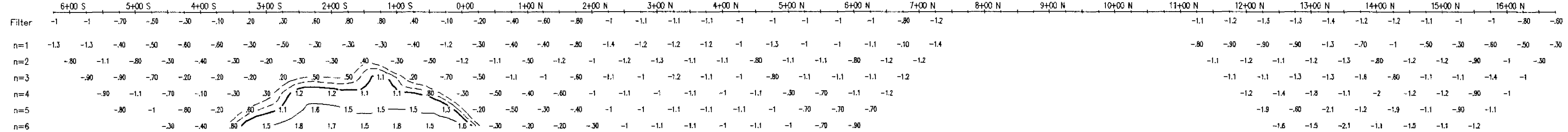
RESISTIVITY
OHM-METERS

RESISTIVITY
OHM-METERS

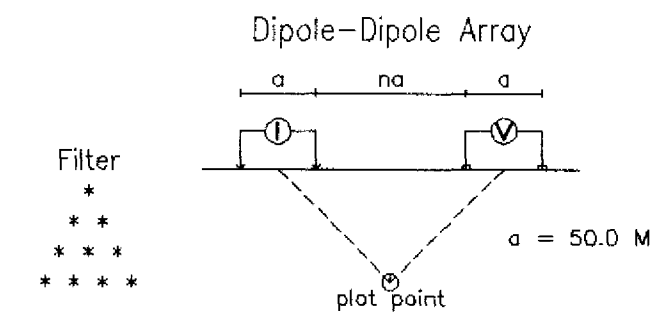


PHASE
MRAD

PHASE
MRAD



Line 5500 E



Filter
*
**

Logarithmic
Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- ▣ Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000
50 0 50 100 150 200 250
(metres)

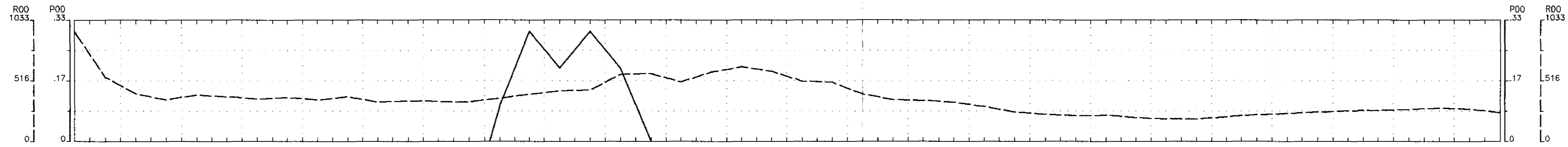
BARRICK GOLD CORPORATION

**INDUCED POLARIZATION SURVEY
HOLT - MC DERMOTT PROJECT
HARKER & HOLLOWAY TWPS - ONTARIO**

Date: 97/07/08
Interpretation: GERARD LAMBERT (V-5 PHOENIX RX)

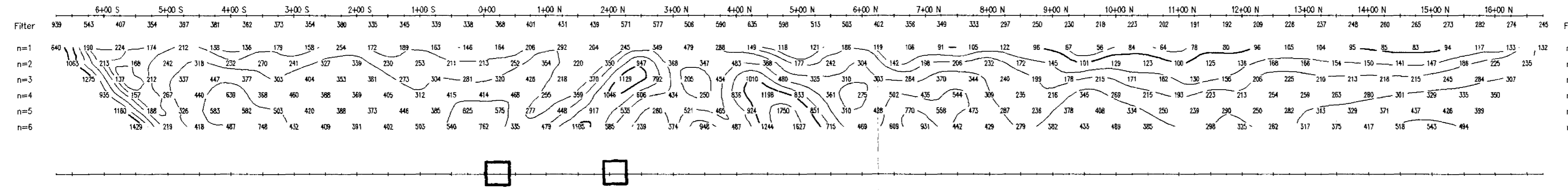
REMY BELANGER (GEOPHYSICAL CONTRACTOR)





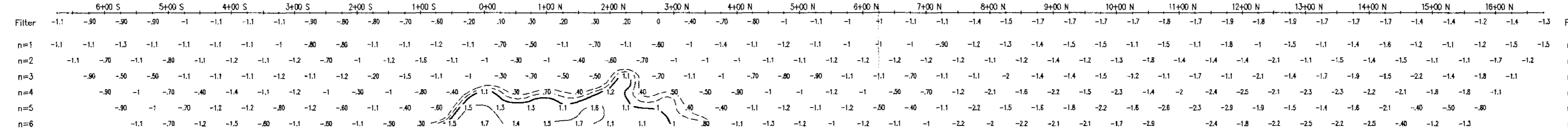
RESISTIVITY
OHM-METERS

RESISTIVITY
OHM-METERS

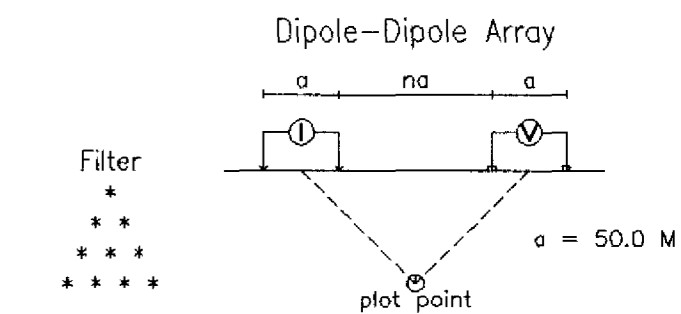


PHASE
MRAD

PHASE
MRAD



Line 5600 E



Filter
*
**

Logarithmic
Contours
1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- ▣ Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

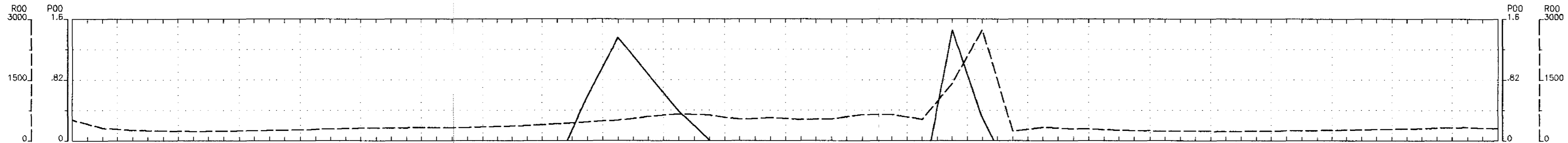
Scale 1:5000
50 0 50 100 150 200 250
(metres)

BARRICK GOLD CORPORATION
INDUCED POLARIZATION SURVEY
HOLT - MC DERMOTT PROJECT
HARKER & HOLLOWAY TWPS - ONTARIO

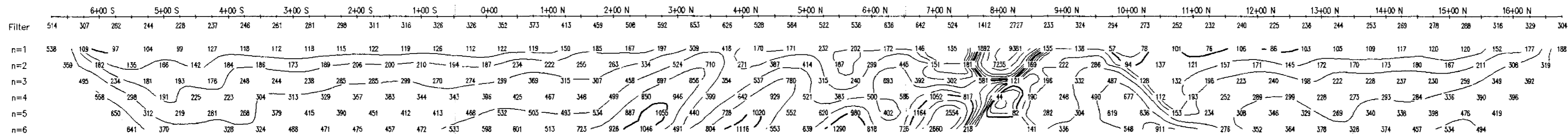
Date: 97/07/08
Interpretation: GERARD LAMBERT (V-5 PHOENIX RX)

REMY BELANGER (GEOPHYSICAL CONTRACTOR)

32D128W2004 2.18543 HARKER 340

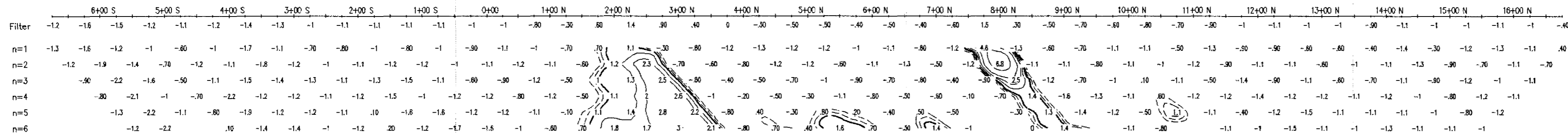


RESISTIVITY
OHM-METERS



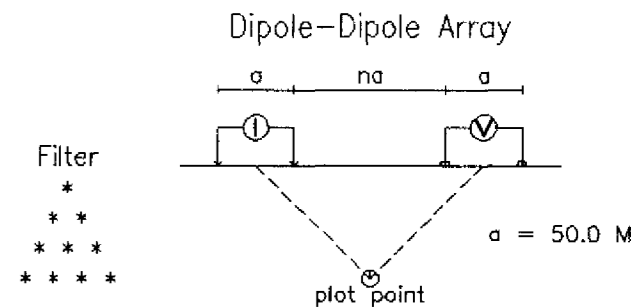
RESISTIVITY
OHM-METERS

PHASE
MRAD



PHASE
MRAD

Line 5700 E



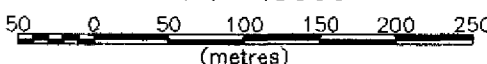
Filter
*
**

Logarithmic
Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- ▣ Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000



BARRICK GOLD CORPORATION

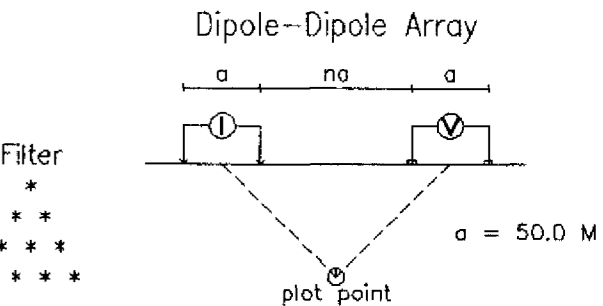
INDUCED POLARIZATION SURVEY
HOLT - MC DERMOTT PROJECT
HARKER & HOLLOWAY TWP - ONTARIO

Date: 97/07/08
Interpretation: GERARD LAMBERT (V-5 PHOENIX RX)

REMY BELANGER (GEOPHYSICAL CONTRACTOR)



Line 5800 E



Filter *
* *
* * *
* * * *

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10, ...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- ▣ Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

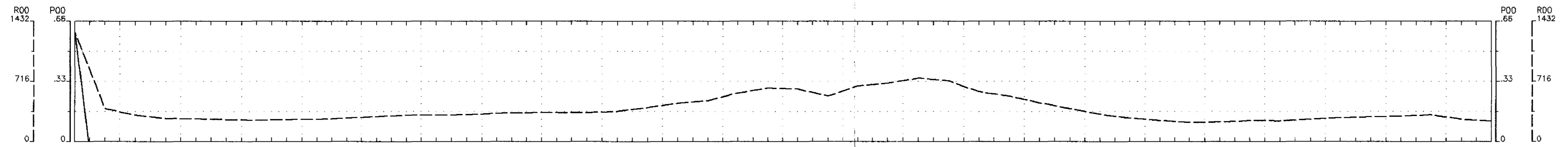
Scale 1:5000
50 0 50 100 150 200 250 (metres)

BARRICK GOLD CORPORATION

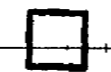
**INDUCED POLARIZATION SURVEY
HOLT - MC DERMOTT PROJECT
HARKER & HOLLOWAY TWPS - ONTARIO**

Date: 97/07/08
Interpretation: GERARD LAMBERT (V-5 PHOENIX RX)

REMY BELANGER (GEOPHYSICAL CONTRACTOR)

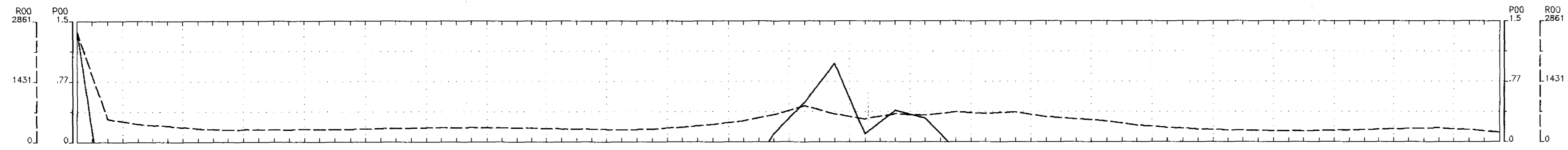


Filter	1302	392	313	276	268	262	253	262	265	277	296	313	314	321	336	342	346	346	359	404	456	488	578	637	629	540	665	694	754	725	592	540	463	391	325	278	250	227	233	247	246	266	285	296	300	518	265	243	Filter
n=1	2174	190	192	138	116	101	78	76	84	116	142	168	173	179	159	125	128	140	134	137	187	169	133	144	312	423	589	118	133	307	370	172	86	110	151	141	124	88	97	127	111	113	105	108	108	153	131	175	n=1
n=2	778	200	212	186	180	139	135	137	149	195	257	264	221	238	234	212	204	200	250	293	226	184	367	802	350	417	542	337	628	276	387	353	170	161	170	204	183	139	173	193	176	179	186	160	251	232	166	n=2	
n=3	683	206	242	240	212	215	215	212	212	289	337	296	273	308	338	288	250	295	428	298	224	484	1275	528	275	521	927	1712	512	234	622	675	229	151	202	261	246	209	229	244	223	263	236	342	291	284	n=3		
n=4	614	233	286	251	296	315	307	280	292	354	350	335	340	412	423	354	348	512	396	279	558	1370	981	584	192	712	2722	1733	923	393	330	996	851	216	169	236	330	345	259	264	277	297	299	473	354	323	n=4		
n=5	654	268	284	330	407	423	389	375	351	358	381	402	442	495	472	456	595	452	359	679	1446	895	679	263	404	742	1733	864	511	480	996	851	216	169	236	330	345	259	264	277	297	299	473	354	323	n=5			
n=6	686	267	353	430	517	514	507	443	344	378	441	502	513	533	628	768	510	394	853	1613	865	575	456	535	911	833	1177	816	690	506	951	875	319	230	373	319	375	379	600	525	462	n=6							



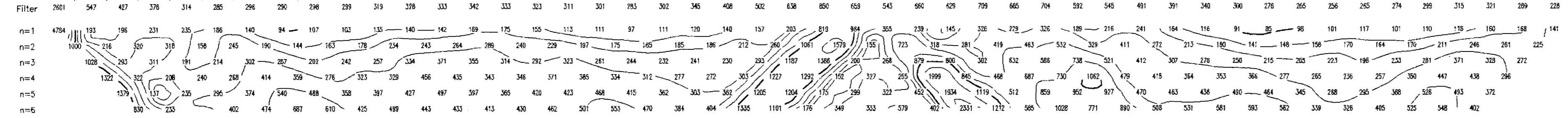
Filter	6+00 S	5+00 S	4+00 S	3+00 S	2+00 S	1+00 S	0+00	1+00 N	2+00 N	3+00 N	4+00 N	5+00 N	6+00 N	7+00 N	8+00 N	9+00 N	10+00 N	11+00 N	12+00 N	13+00 N	14+00 N	15+00 N	16+00 N	Filter																									
n=1	2.4	-1	-1	-1.1	-1	-1.2	-1.2	-2.2	-1.4	-1.5	-1.4	-1.2	-1.1	-1	-60	-1	-1	-1.2	-70	-80	-1	-1.2	-1	-1.4	-1.2	-1.1	-1.2	-1	-90	-1.1	-1.2	-1.1	-4.2	-1.3	-1.1	-1.1	-90	-1	-1.6	-1.1	-1	-1.5	-1.3	-1.8	-1.2	-1.4	-1	-1.1	n=1
n=2	-80	-80	-1.1	-1.3	-1.1	-1.1	-1.1	-1.1	-1.3	-1.1	-1.1	-1.1	-60	-50	-1	-60	-1.1	-1.2	-1	-90	-1.1	-1	-70	-80	-1.1	-1	-70	-80	-1.1	-1.1	-1.1	-1.3	-1.2	-1	-1.2	-1.2	-1.2	-1.2	-1.1	-1.1	-1.7	-1.2	-1.6	-1.2	-1.1	n=2			
n=3	-20	-90	-1.2	-1	-1.3	-1.2	-1.3	-1.1	-90	-70	-1.2	-70	-1.2	-60	-60	-1.1	-1.1	-60	-60	-60	-1.1	-1.1	-70	-40	-50	-1.2	-50	-80	-1.2	-1.1	-1.3	-1.3	-70	-1	-60	-80	-60	-1.4	-1.1	-1	-1.4	-80	-1.1	-1	-1.2	n=3			
n=4	-1	-70	-1.2	-90	-1.1	-1.2	-1.1	-80	-70	-90	-40	-1	-50	-60	-40	30	-20	-40	-80	-50	-70	-30	-40	-50	-40	50	1.3	70	-1	-1	-80	-50	-60	-90	-1	-1.2	-70	-1.1	-1.1	-1.1	-80	-1	-1.2	-1.1	-1.1	n=4			
n=5	-70	-80	-90	-80	-1.1	-1.1	-90	-30	-60	-40	80	-60	-70	-50	-20	20	50	1.1	1.1	-30	-30	30	-70	-40	-60	30	1.2	1.3	80	-30	-60	50	80	-20	-60	-1.1	-50	-1.3	-1	-80	-80	-70	-1.4	-80	-1	n=5			
n=6	-70	-90	-70	-1.2	-1.2	-50	-60	-60	70	-20	-40	-30	-40	80	80	1.1	1.1	-20	-40	-30	-40	80	80	1.1	1.1	-20	60	-30	-10	-60	60	1.3	1.4	1.4	90	-70	60	1	1.5	-40	-90	-30	-80	-50	-70	-80	-40	-70	n=6

360
 HARKER
 2.18543
 32D128W204



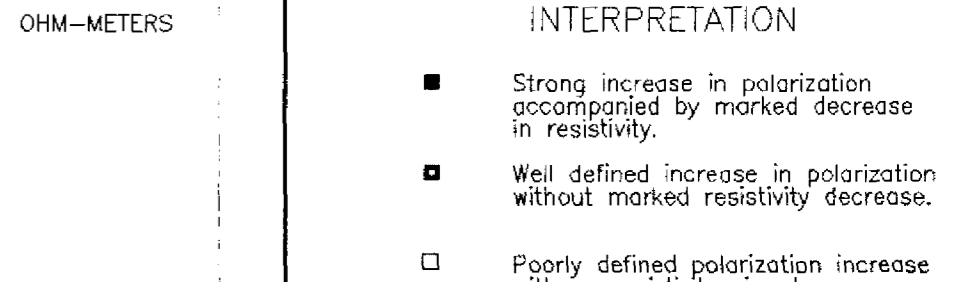
RESISTIVITY
OHM-METERS

6+00 S 5+00 S 4+00 S 3+00 S 2+00 S 1+00 S 0+00 1+00 N 2+00 N 3+00 N 4+00 N 5+00 N 6+00 N 7+00 N 8+00 N 9+00 N 10+00 N 11+00 N 12+00 N 13+00 N 14+00 N 15+00 N 16+00 N



RESISTIVITY
OHM-METERS

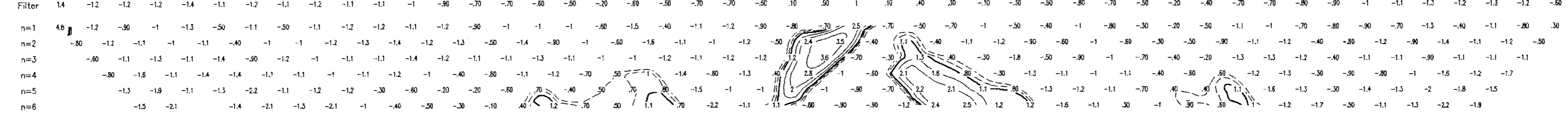
6+00 S 5+00 S 4+00 S 3+00 S 2+00 S 1+00 S 0+00 1+00 N 2+00 N 3+00 N 4+00 N 5+00 N 6+00 N 7+00 N 8+00 N 9+00 N 10+00 N 11+00 N 12+00 N 13+00 N 14+00 N 15+00 N 16+00 N



370

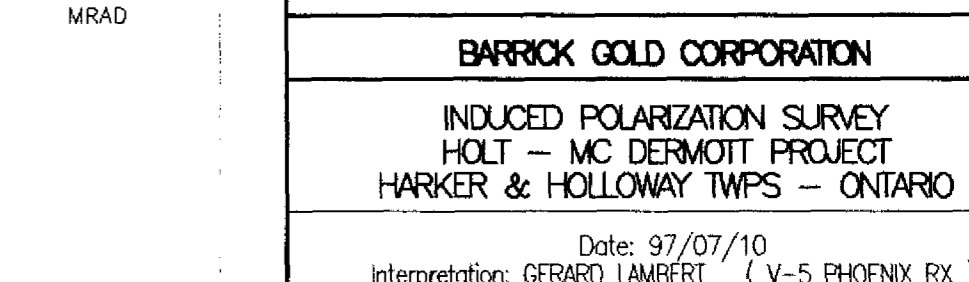
PHASE
MRAD

6+00 S 5+00 S 4+00 S 3+00 S 2+00 S 1+00 S 0+00 1+00 N 2+00 N 3+00 N 4+00 N 5+00 N 6+00 N 7+00 N 8+00 N 9+00 N 10+00 N 11+00 N 12+00 N 13+00 N 14+00 N 15+00 N 16+00 N

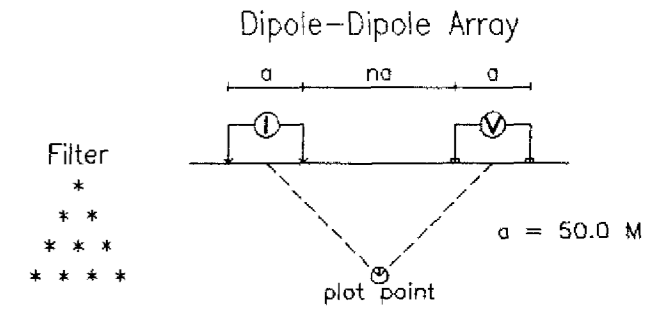


PHASE
MRAD

6+00 S 5+00 S 4+00 S 3+00 S 2+00 S 1+00 S 0+00 1+00 N 2+00 N 3+00 N 4+00 N 5+00 N 6+00 N 7+00 N 8+00 N 9+00 N 10+00 N 11+00 N 12+00 N 13+00 N 14+00 N 15+00 N 16+00 N



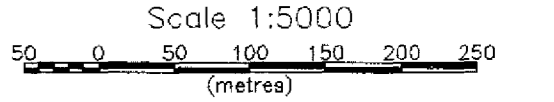
Line 5900 E



Logarithmic
Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- ▣ Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.



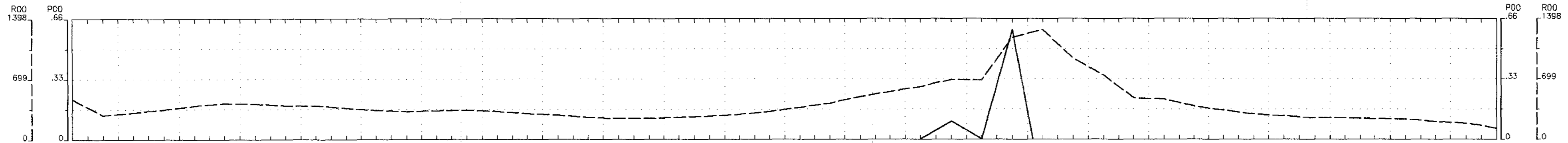
BARRICK GOLD CORPORATION

**INDUCED POLARIZATION SURVEY
HOLT - MC DERMOTT PROJECT
HARKER & HOLLOWAY TWPS - ONTARIO**

Date: 97/07/10
Interpretation: GERARD LAMBERT (V-5 PHOENIX RX)

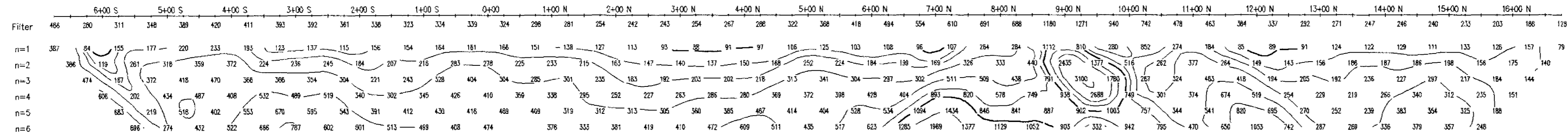
REMY BELANGER (GEOPHYSICAL CONTRACTOR)





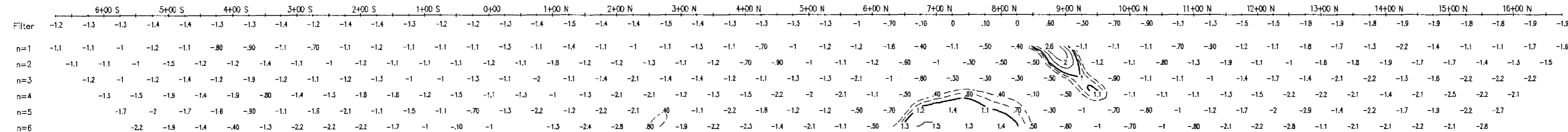
RESISTIVITY
OHM-METERS

RESISTIVITY
OHM-METERS

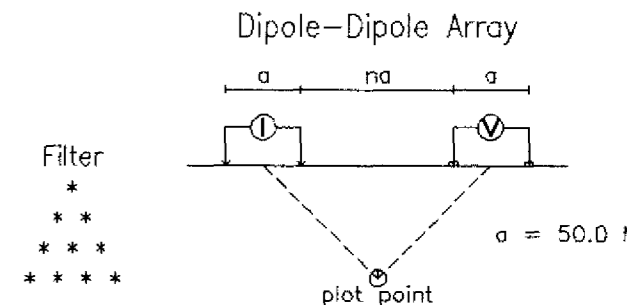


PHASE
MRAD

PHASE
MRAD



Line 6000 E



Filter
*
**

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- ▣ Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000
50 0 50 100 150 200 250
(metres)

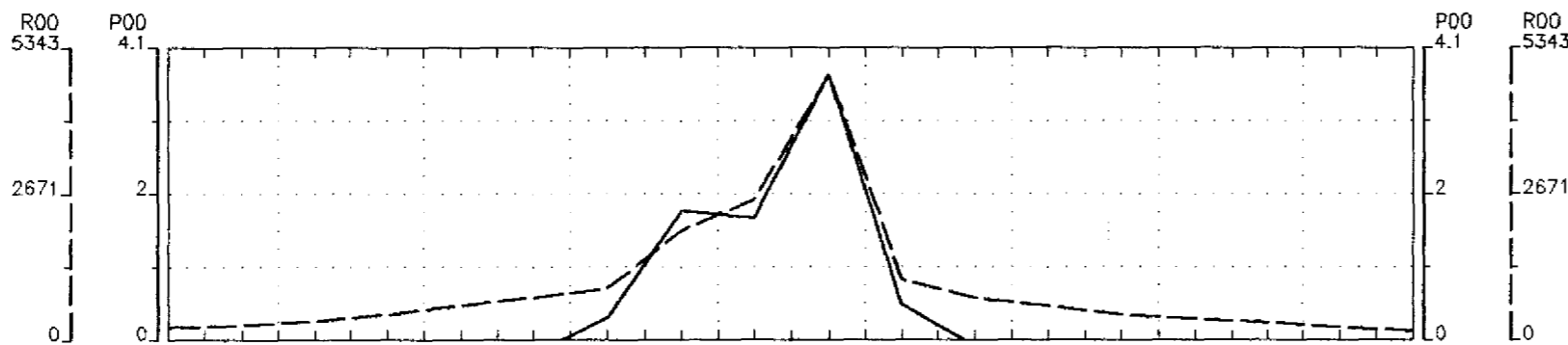
BARRICK GOLD CORPORATION

INDUCED POLARIZATION SURVEY
HOLT - MC DERMOTT PROJECT
HARKER & HOLLOWAY TWPS - ONTARIO

Date: 97/07/10
Interpretation: GERARD LAMBERT (V-5 PHOENIX RX)

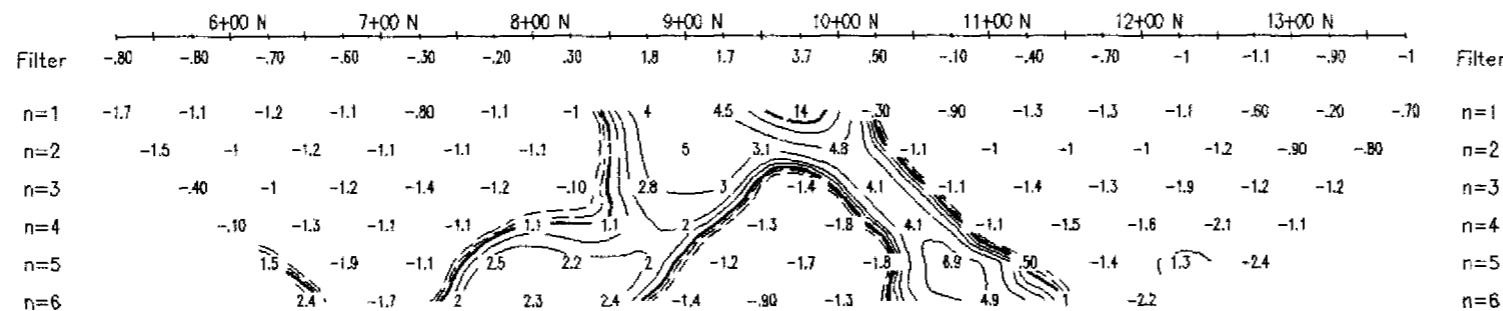
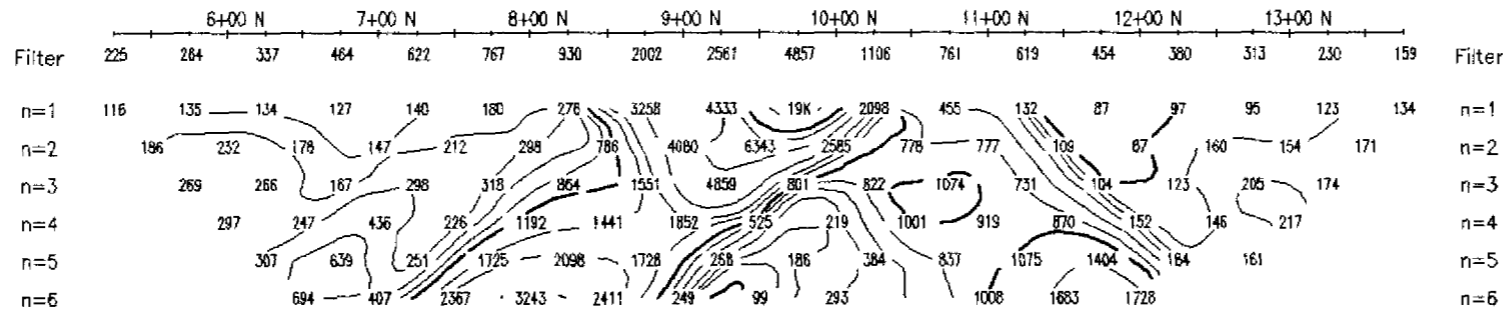
REMY BELANGER (GEOPHYSICAL CONTRACTOR)





RESISTIVITY
OHM-METERS

RESISTIVITY
OHM-METERS

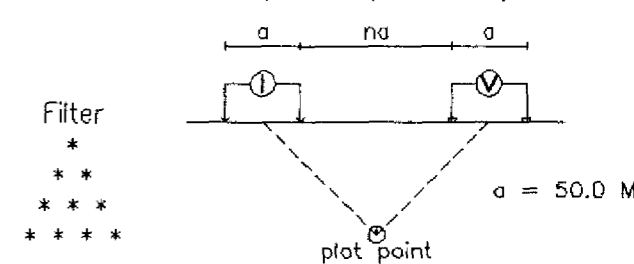


PHASE
MRAD

PHASE
MRAD

Line 6100 E

Dipole-Dipole Array

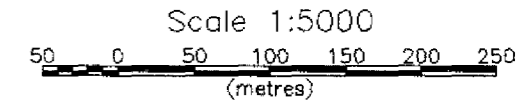


Filter
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**

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- ▣ Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.



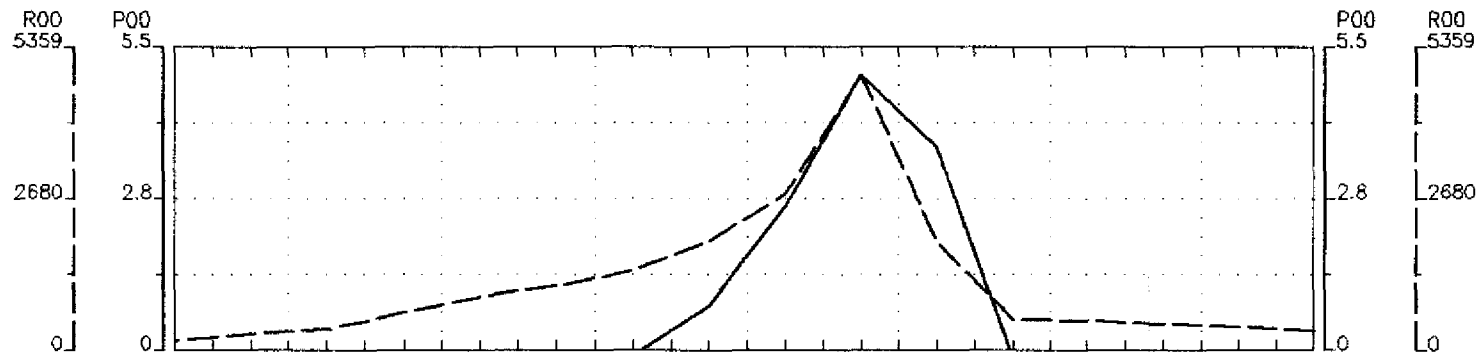
BARRICK GOLD CORPORATION

INDUCED POLARIZATION SURVEY
HOLT - MC DERMOTT PROJECT
HARKER & HOLLOWAY TWPS - ONTARIO

Date: 97/07/10
Interpretation: GERARD LAMBERT (V-5 PHOENIX RX)

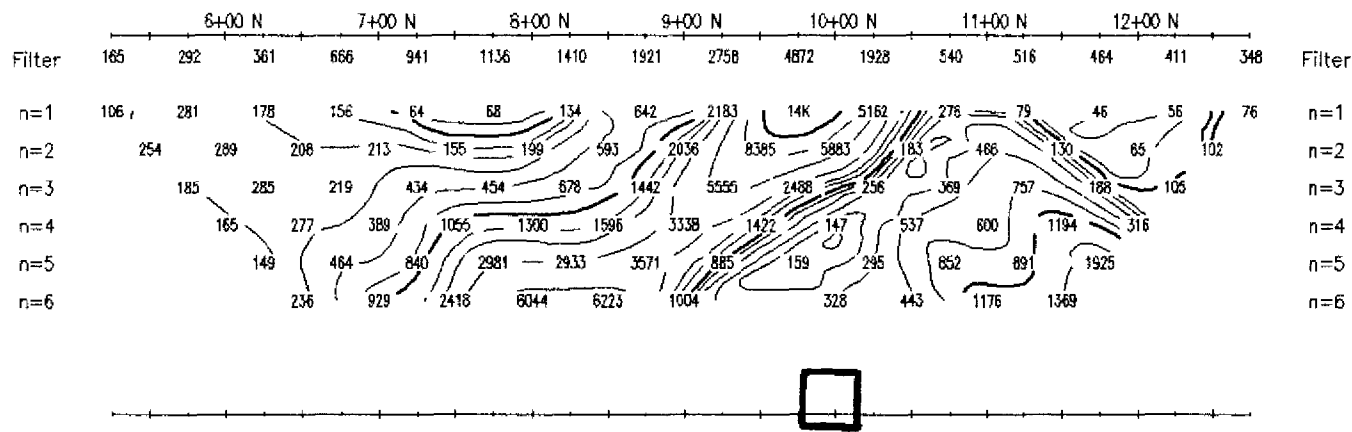
REMY BELANGER (GEOPHYSICAL CONTRACTOR)

32D12SW2004 2.18543 HARKER 390



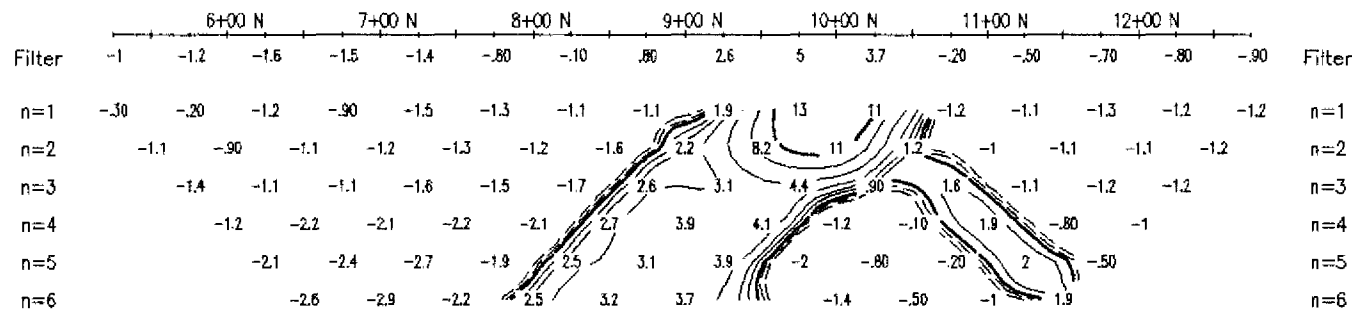
RESISTIVITY
OHM-METERS

RESISTIVITY
OHM-METERS



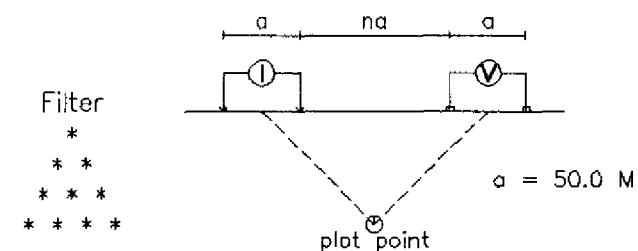
PHASE
MRAD

PHASE
MRAD



Line 6200 E

Dipole-Dipole Array



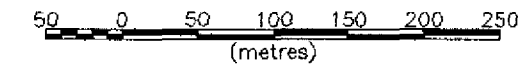
Filter
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* * * *

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- ▣ Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000



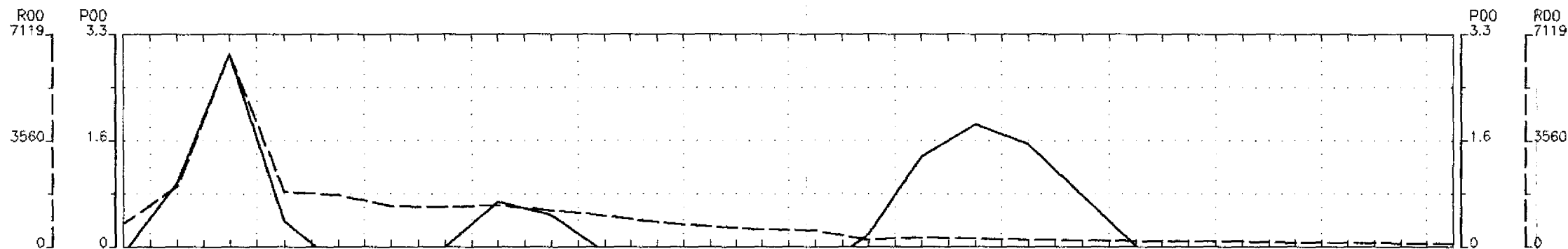
BARRICK GOLD CORPORATION

INDUCED POLARIZATION SURVEY
HOLT - MC DERMOTT PROJECT
HARKER & HOLLOWAY TWPS - ONTARIO

Date: 97/07/11
Interpretation: GERARD LAMBERT (V-5 PHOENIX RX)

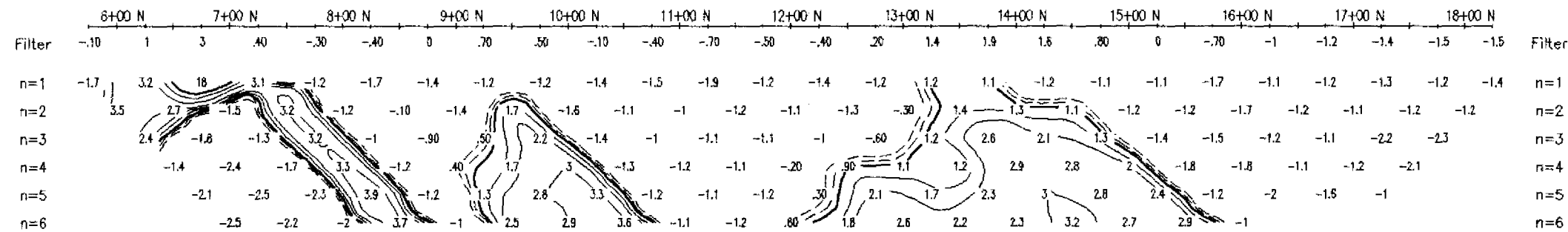
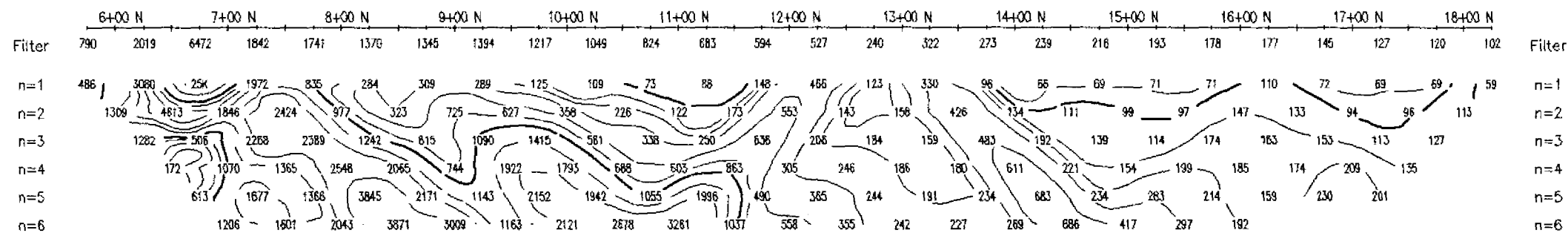
REMY BELANGER (GEOPHYSICAL CONTRACTOR)





RESISTIVITY
OHM-METERS

RESISTIVITY
OHM-METERS

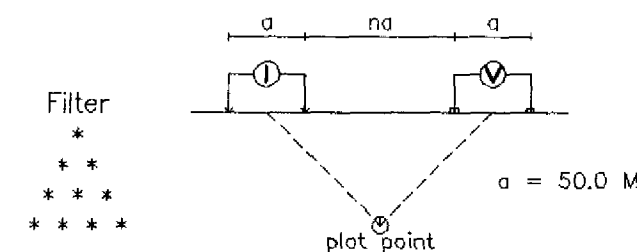


PHASE
MRAD

PHASE
MRAD

Line 6300 E

Dipole-Dipole Array



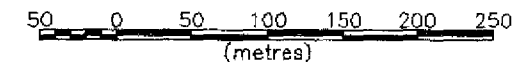
Filter
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Logarithmic
Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- ▣ Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000



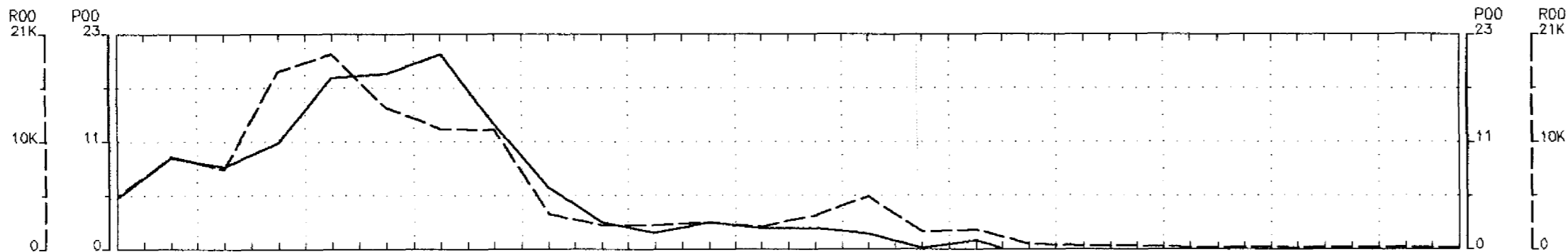
BARRICK GOLD CORPORATION

INDUCED POLARIZATION SURVEY
HOLT - MC DERMOTT PROJECT
HARKER & HOLLOWAY TWPS - ONTARIO

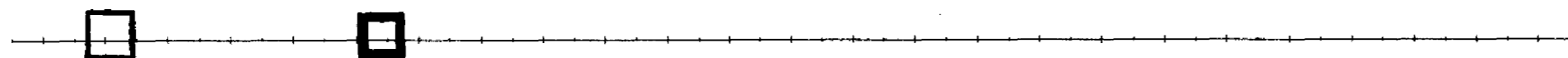
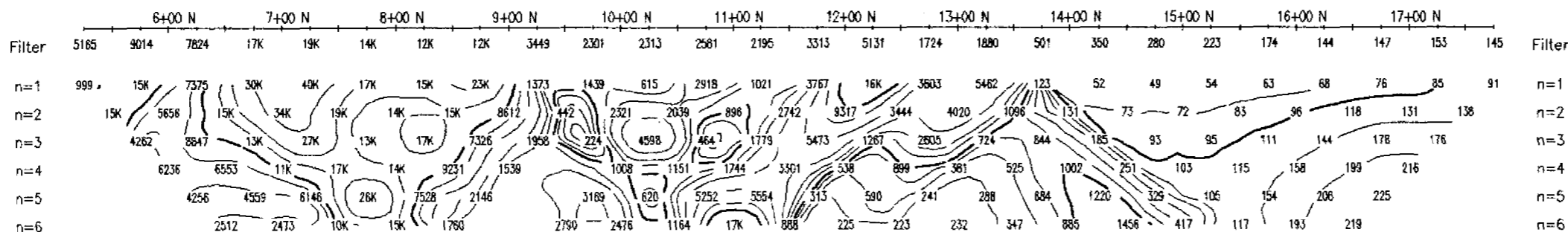
Date: 97/07/11
Interpretation: GERARD LAMBERT (V-5 PHOENIX RX)

REMY BELANGER (GEOPHYSICAL CONTRACTOR)

32D12SW2004 2.18543 HARKER 410



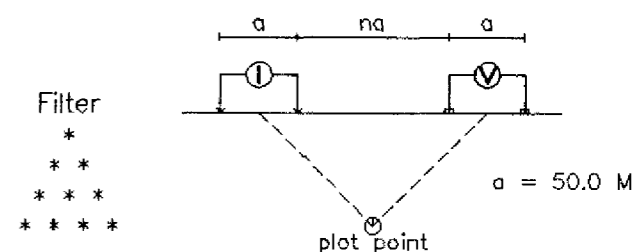
RESISTIVITY
OHM-METERS



RESISTIVITY
OHM-METERS

Line 6400 E

Dipole-Dipole Array



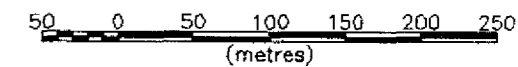
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Logarithmic
Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

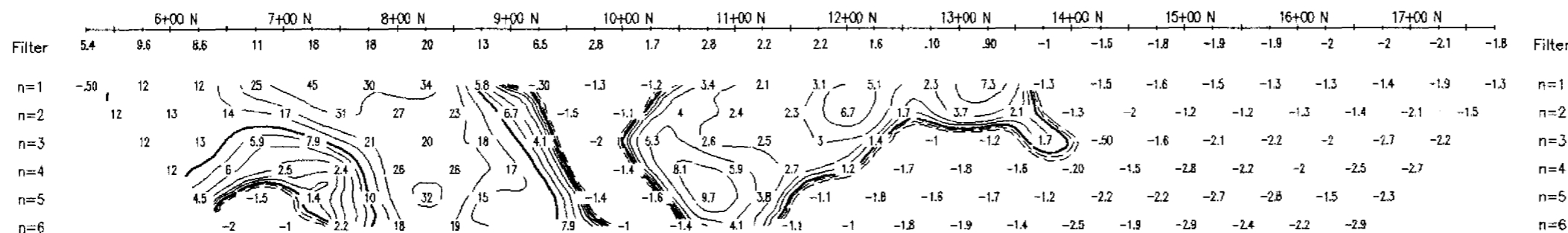
INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- ▣ Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000



PHASE
MRAD



PHASE
MRAD

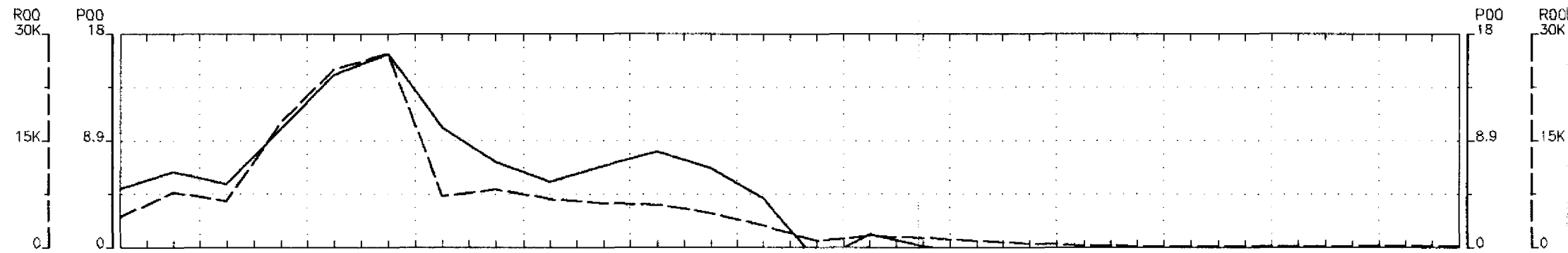
BARRICK GOLD CORPORATION

INDUCED POLARIZATION SURVEY
HOLT - MC DERMOTT PROJECT
HARKER & HOLLOWAY TWPS - ONTARIO

Date: 97/07/12
Interpretation: GERARD LAMBERT (V-5 PHOENIX RX)

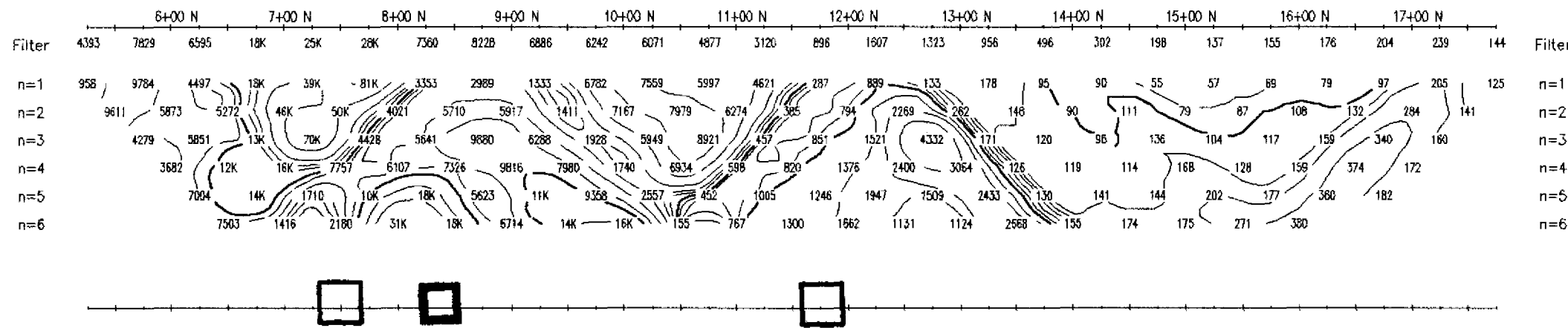
REMY BELANGER (GEOPHYSICAL CONTRACTOR)





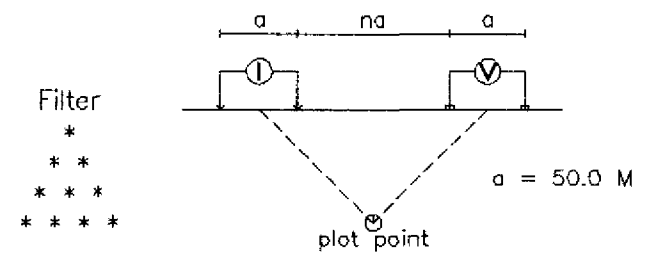
RESISTIVITY
OHM-METERS

RESISTIVITY
OHM-METERS



Line 6500 E

Dipole-Dipole Array



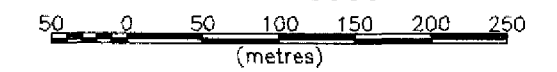
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Logarithmic
Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- ▣ Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

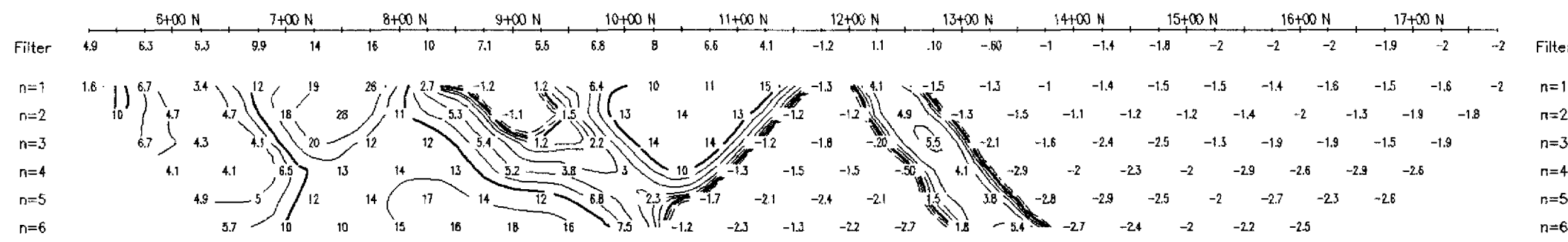
Scale 1:5000



430

PHASE
MRAD

PHASE
MRAD



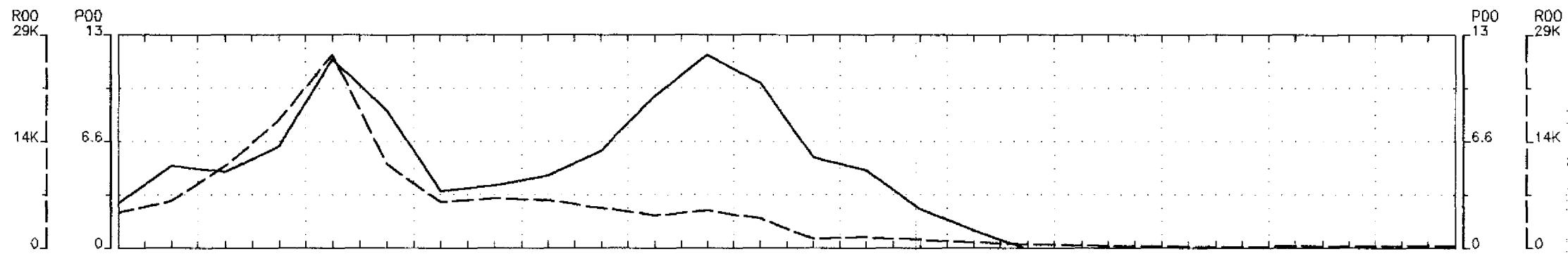
BARRICK GOLD CORPORATION

**INDUCED POLARIZATION SURVEY
HOLT - MC DERMOTT PROJECT
HARKER & HOLLOWAY TWPS - ONTARIO**

Date: 97/07/13
Interpretation: GERARD LAMBERT (V-5 PHOENIX RX)

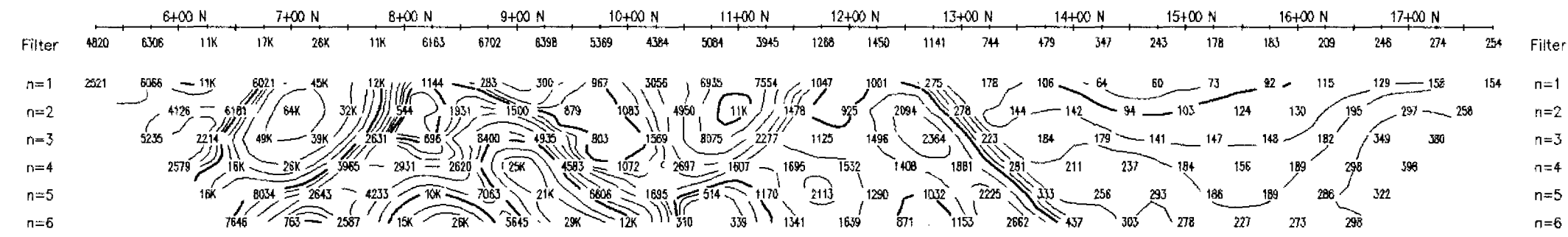
REMY BELANGER (GEOPHYSICAL CONTRACTOR)





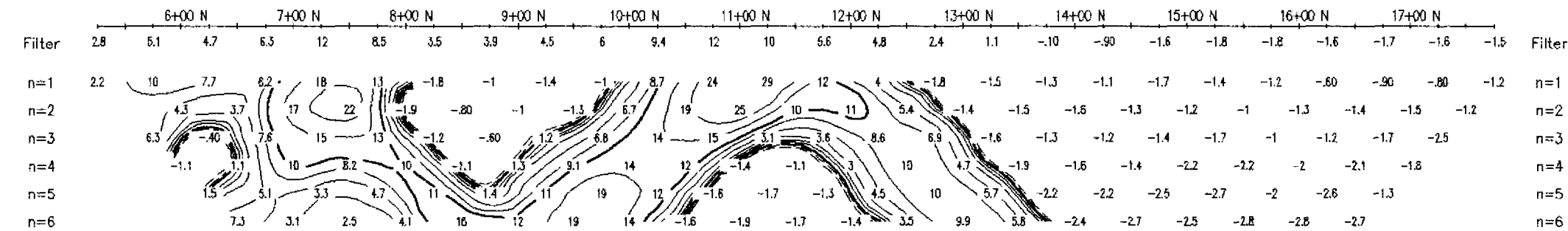
RESISTIVITY
OHM-METERS

RESISTIVITY
OHM-METERS

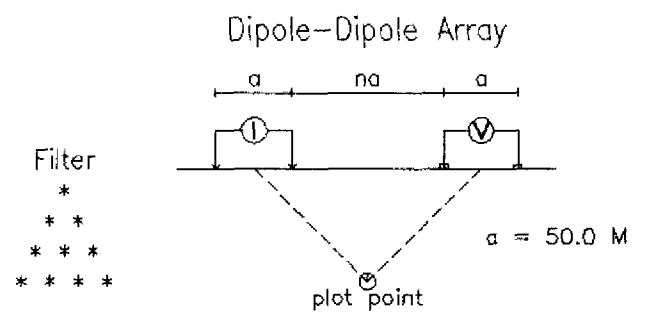


PHASE
MRAD

PHASE
MRAD



Line 6600 E



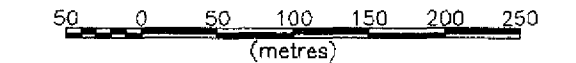
Filter
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Logarithmic
Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- ▣ Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000



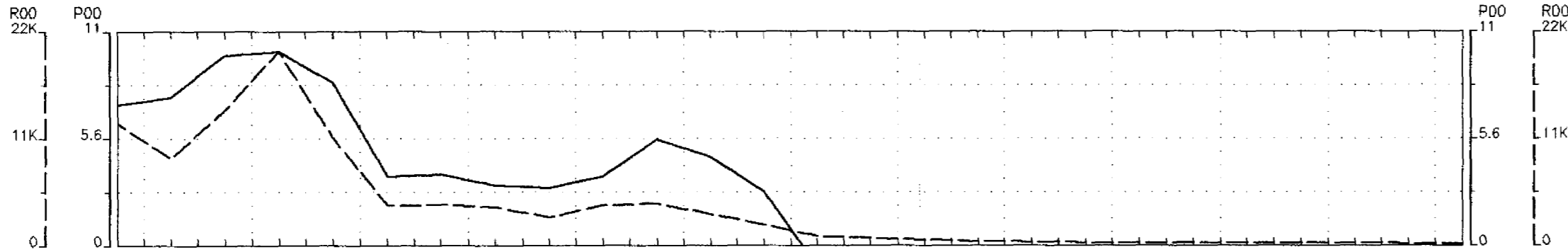
BARRICK GOLD CORPORATION

INDUCED POLARIZATION SURVEY
HOLT - MC DERMOTT PROJECT
HARKER & HOLLOWAY TWPS - ONTARIO

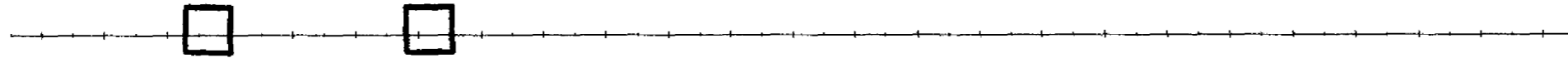
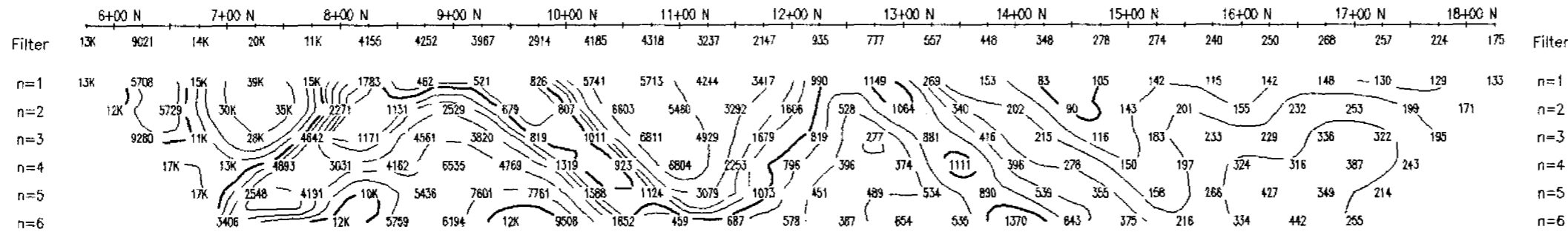
Date: 97/07/13
Interpretation: GERARD LAMBERT (V-5 PHOENIX RX)

REMY BELANGER (GEOPHYSICAL CONTRACTOR)

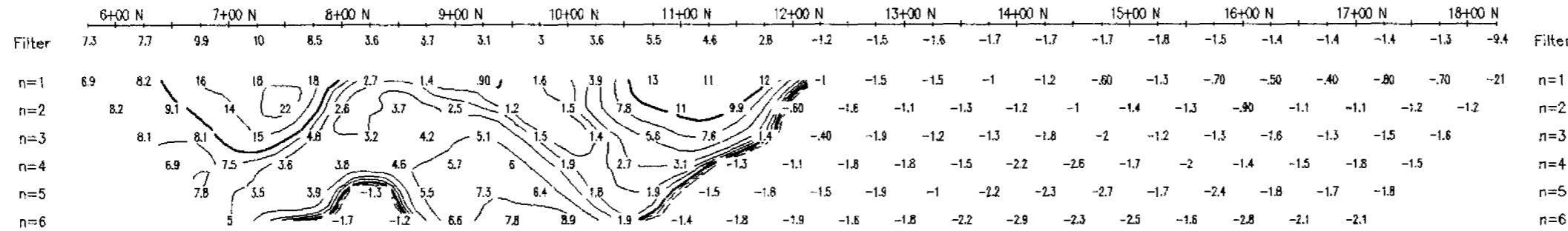
32D12SW2004 2.18543 HARKER 440



RESISTIVITY
OHM-METERS



PHASE
MRAD

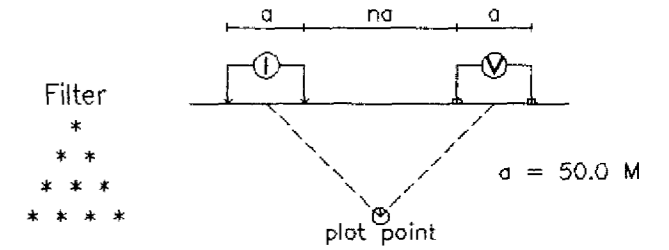


RESISTIVITY
OHM-METERS

PHASE
MRAD

Line 6700 E

Dipole-Dipole Array



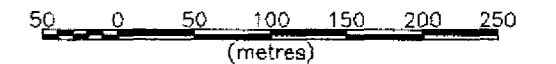
Filter
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Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- ▣ Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000



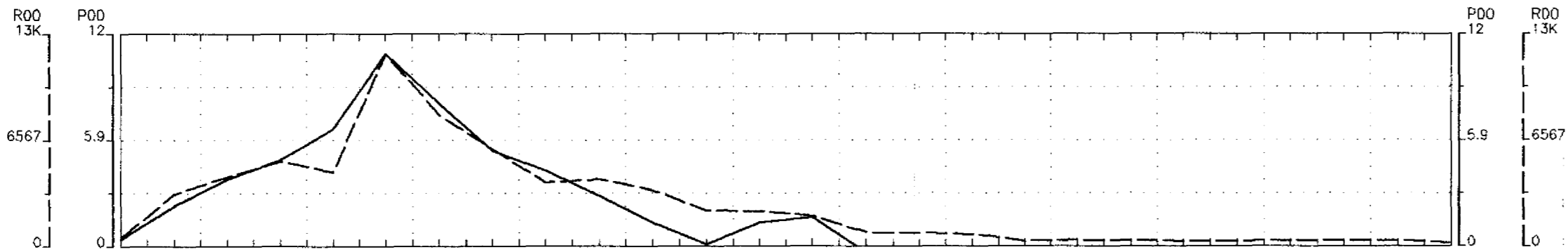
BARRICK GOLD CORPORATION

INDUCED POLARIZATION SURVEY
HOLT - MC DERMOTT PROJECT
HARKER & HOLLOWAY TWPS - ONTARIO

Date: 97/07/16
Interpretation: GERARD LAMBERT (V-5 PHOENIX RX)

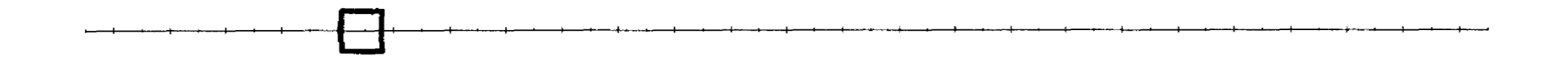
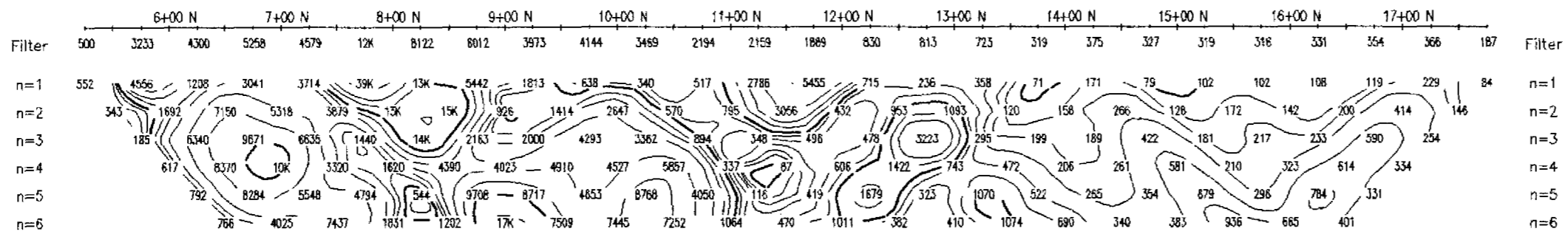
REMY BELANGER (GEOPHYSICAL CONTRACTOR)

32D12SW2004 2.18543 HARKER 450



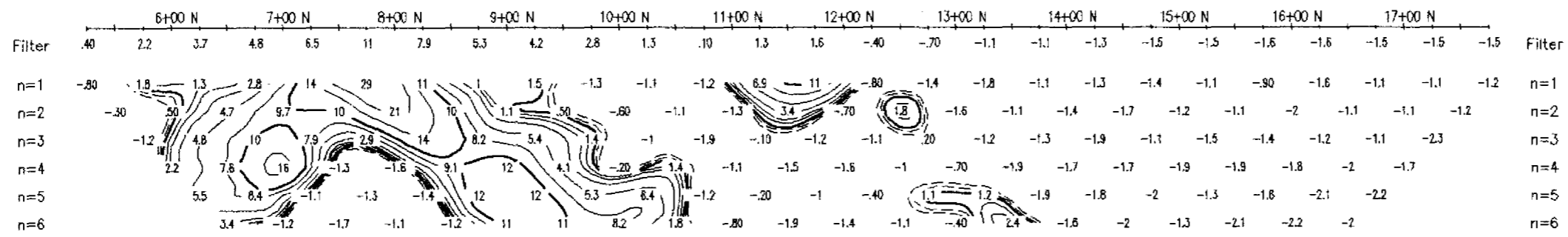
RESISTIVITY
OHM-METERS

RESISTIVITY
OHM-METERS



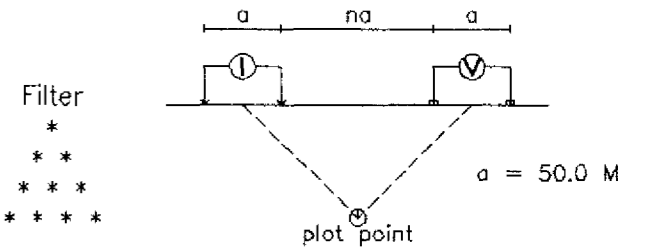
PHASE
MRAD

PHASE
MRAD



Line 6800 E

Dipole-Dipole Array

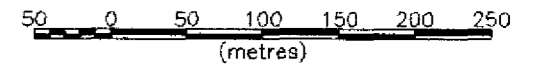


Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- ▣ Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000



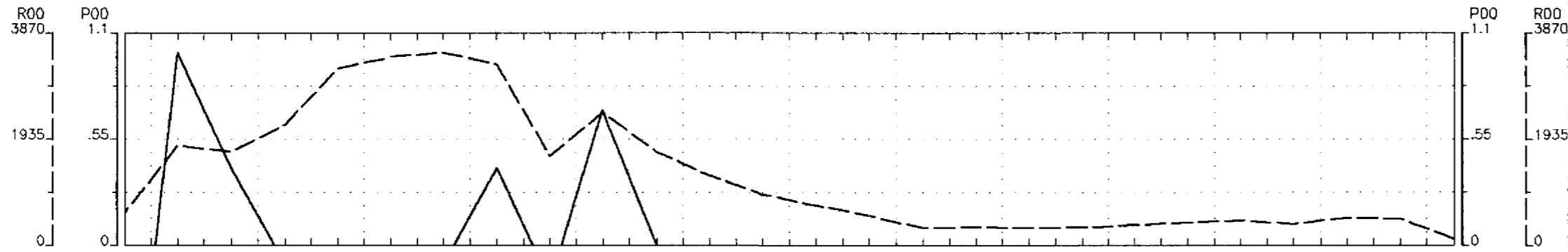
BARRICK GOLD CORPORATION

INDUCED POLARIZATION SURVEY
HOLT - MC DERMOTT PROJECT
HARKER & HOLLOWAY TWPS - ONTARIO

Date: 97/07/16
Interpretation: GERARD LAMBERT (V-5 PHOENIX RX)

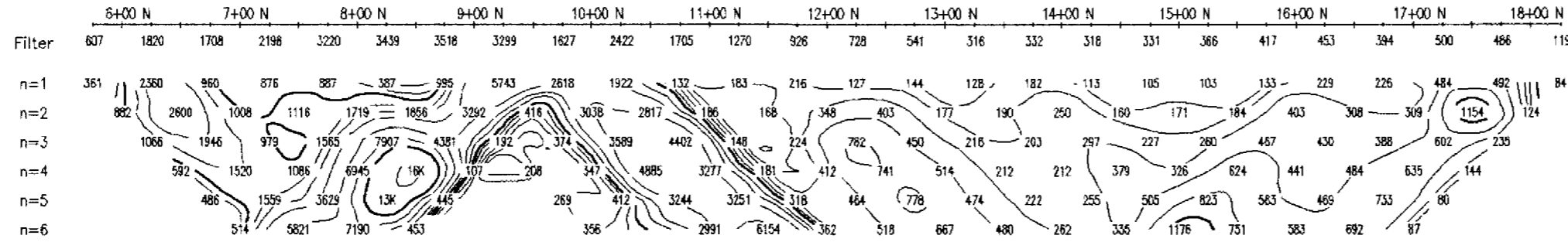
REMY BELANGER (GEOPHYSICAL CONTRACTOR)





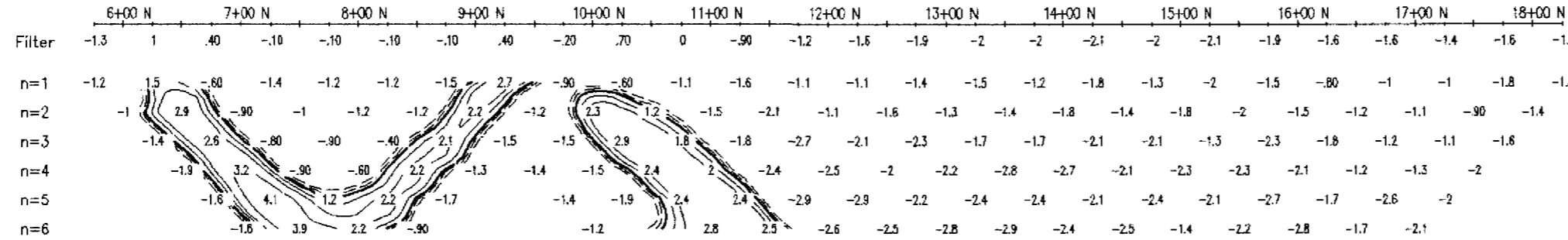
RESISTIVITY
OHM-METERS

RESISTIVITY
OHM-METERS

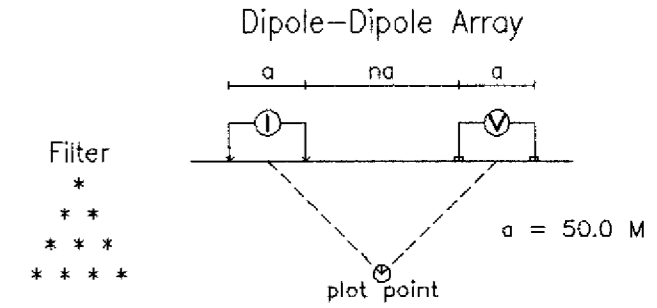


PHASE
MRAD

PHASE
MRAD



Line 6900 E

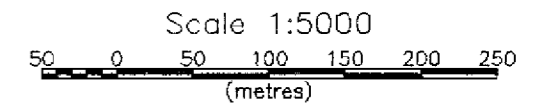


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Logarithmic
Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- ▣ Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.



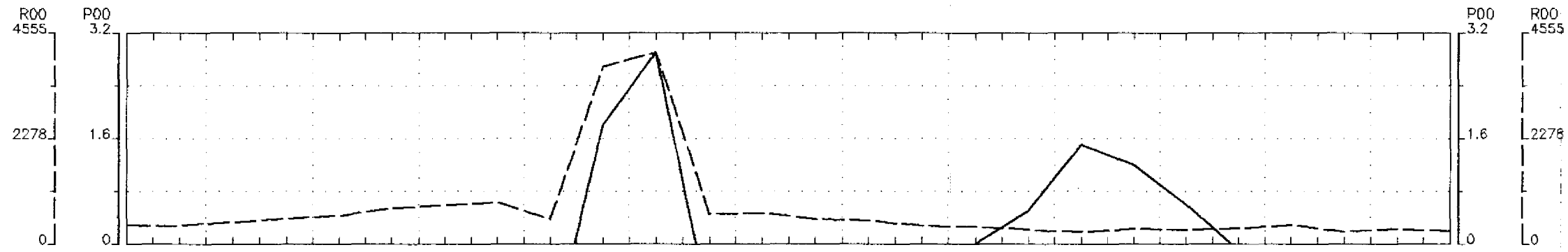
BARRICK GOLD CORPORATION

INDUCED POLARIZATION SURVEY
HOLT - MC DERMOTT PROJECT
HARKER & HOLLOWAY TWPS - ONTARIO

Date: 97/07/16
Interpretation: GERARD LAMBERT (V-5 PHOENIX RX)

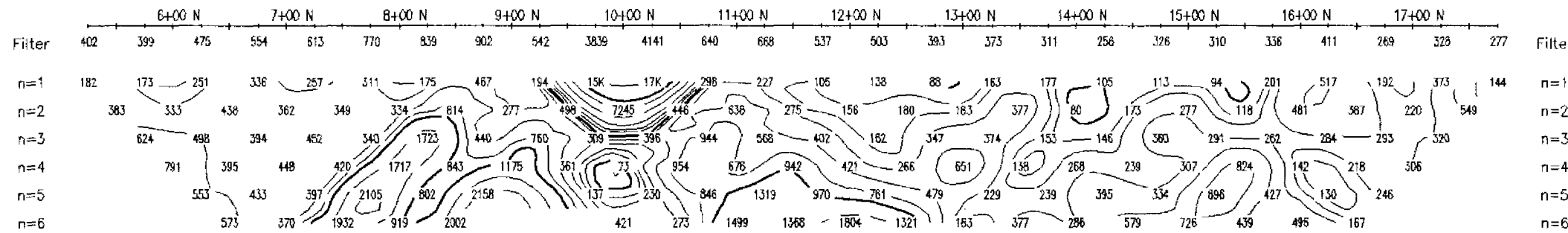
REMY BELANGER (GEOPHYSICAL CONTRACTOR)

32D12SW2004 2.18543 HARKER 470



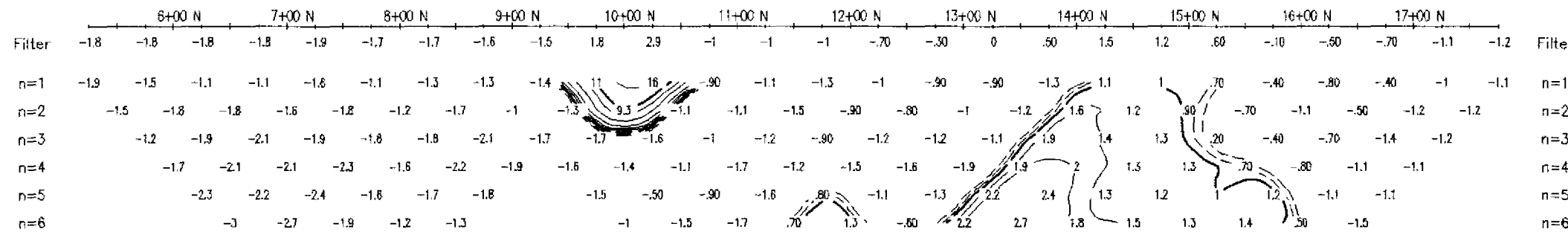
RESISTIVITY
OHM-METERS

RESISTIVITY
OHM-METERS



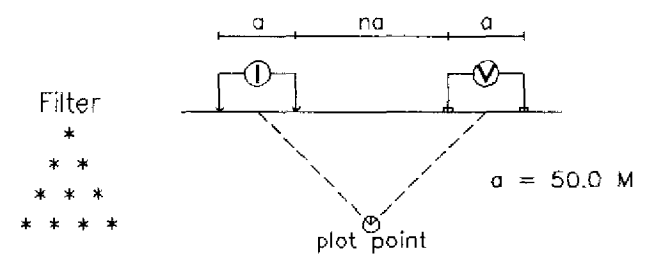
PHASE
MRAD

PHASE
MRAD



Line 7000 E

Dipole-Dipole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- ▣ Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000



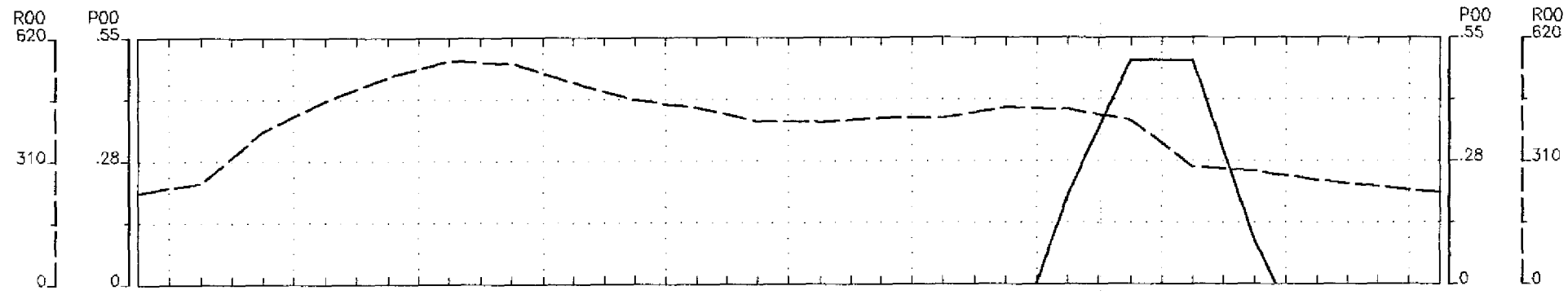
BARRICK GOLD CORPORATION

**INDUCED POLARIZATION SURVEY
HOLT - MC DERMOTT PROJECT
HARKER & HOLLOWAY TWPS - ONTARIO**

Date: 97/07/18
Interpretation: GERARD LAMBERT (V-5 PHOENIX RX)

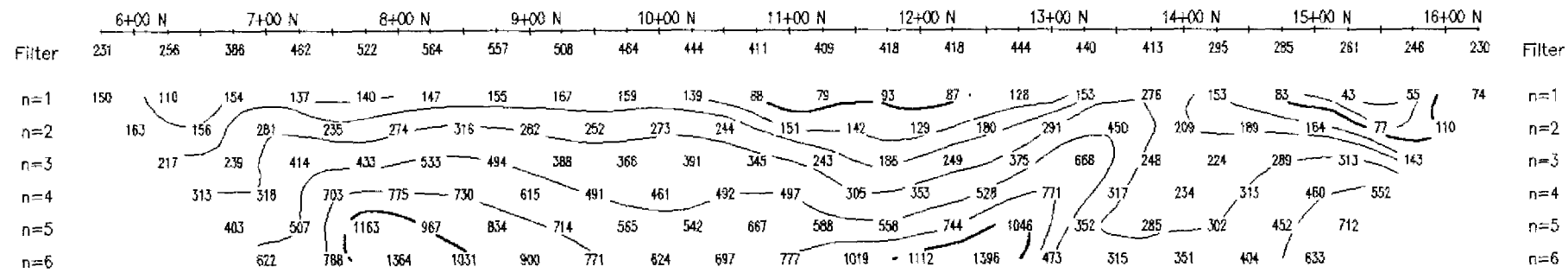
REMY BELANGER (GEOPHYSICAL CONTRACTOR)





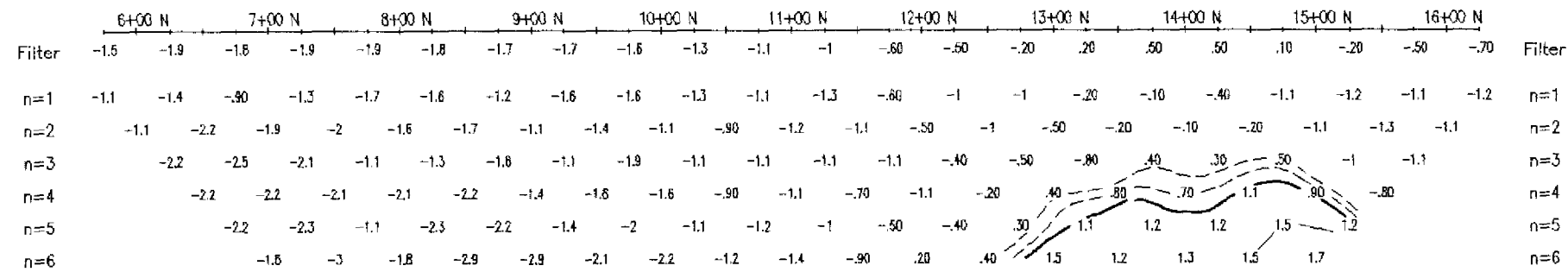
RESISTIVITY
OHM-METERS

RESISTIVITY
OHM-METERS



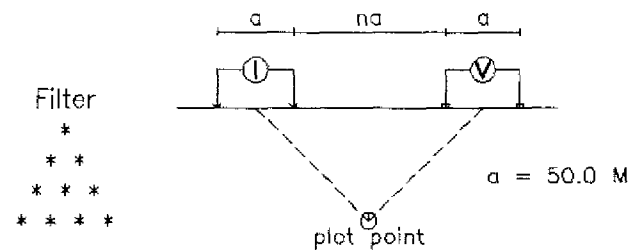
PHASE
MRAD

PHASE
MRAD



Line 7100 E

Dipole-Dipole Array

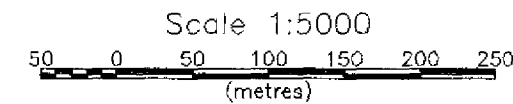


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Logarithmic
Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- ▣ Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.



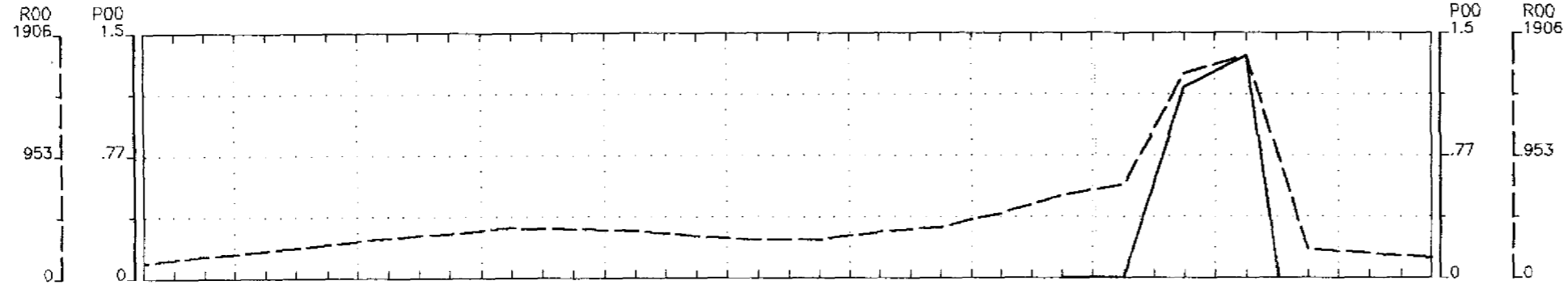
BARRICK GOLD CORPORATION

INDUCED POLARIZATION SURVEY
HOLT - MC DERMOTT PROJECT
HARKER & HOLLOWAY TWPS - ONTARIO

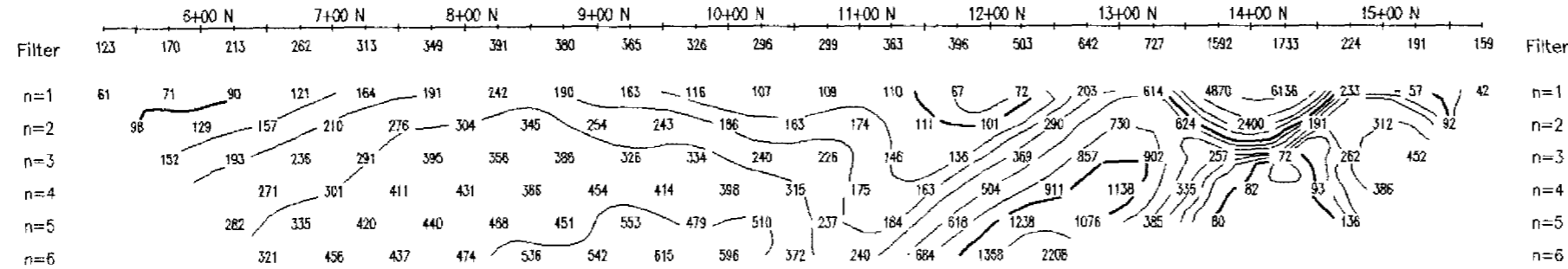
Date: 97/07/18
Interpretation: GERARD LAMBERT (V-5 PHOENIX RX)

REMY BELANGER (GEOPHYSICAL CONTRACTOR)

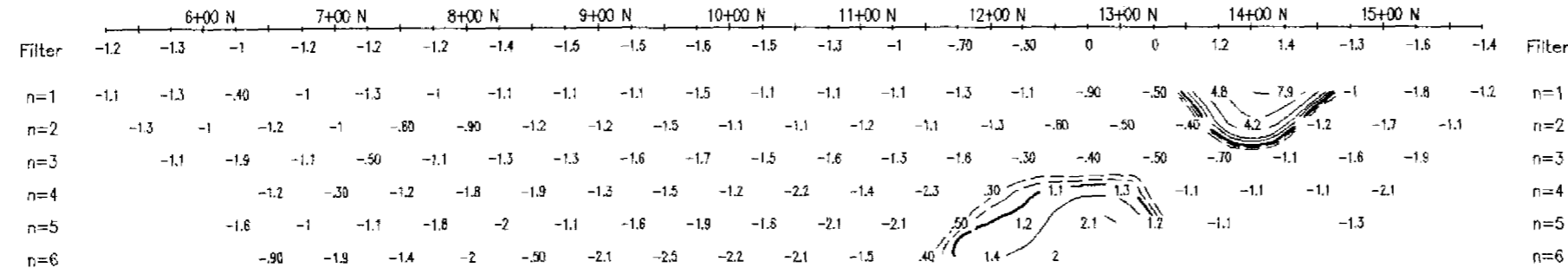
HARKER 490
 32D12SW2004 2.18543



RESISTIVITY
OHM-METERS



RESISTIVITY
OHM-METERS

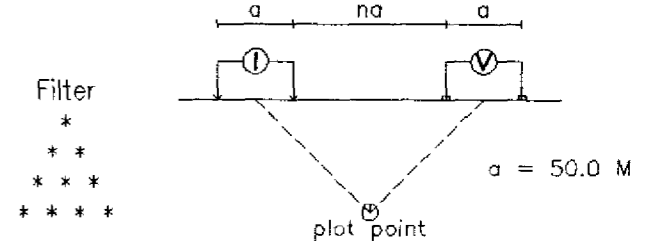


PHASE
MRAD

PHASE
MRAD

Line 7200 E

Dipole-Dipole Array



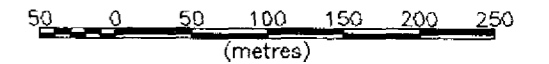
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Logarithmic
Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- ▣ Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000



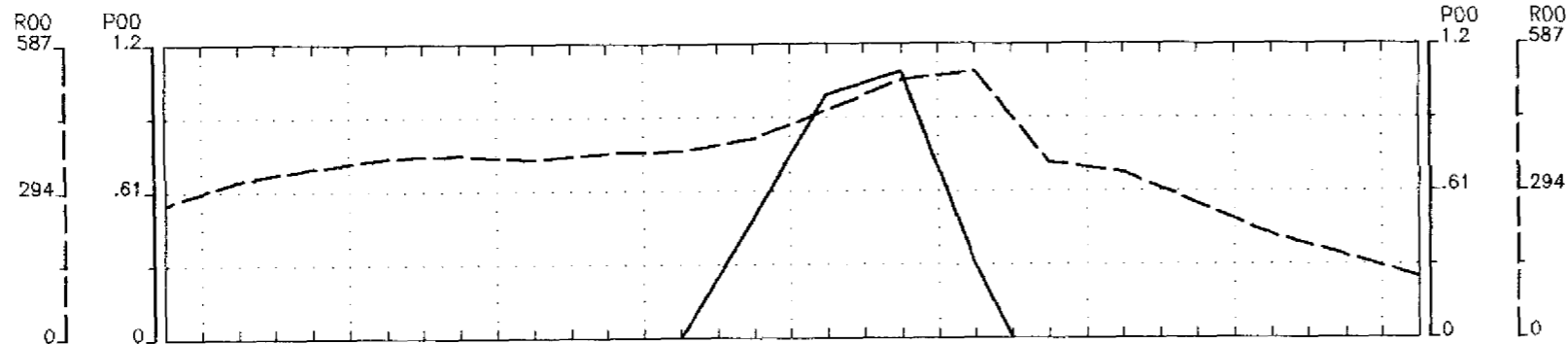
BARRICK GOLD CORPORATION

**INDUCED POLARIZATION SURVEY
HOLT - MC DERMOTT PROJECT
HARKER & HOLLOWAY TWPS - ONTARIO**

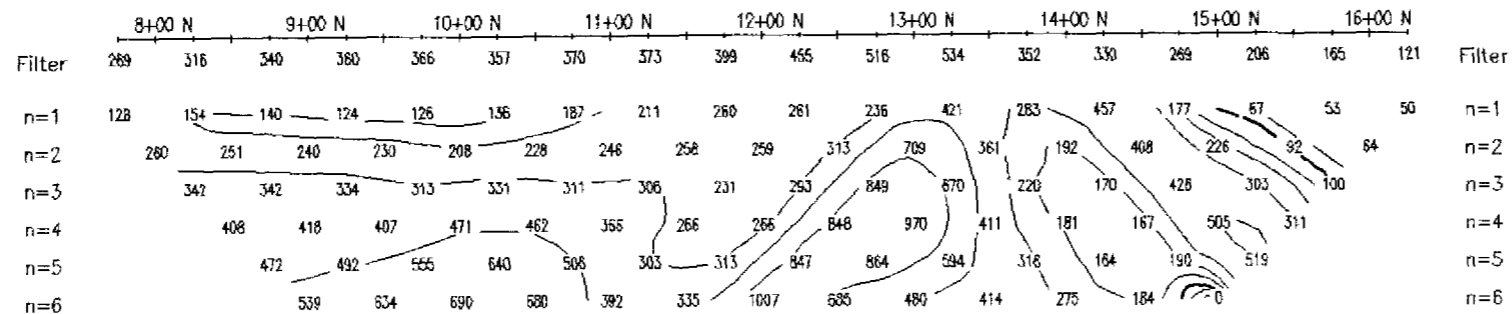
Date: 97/07/18
Interpretation: GERARD LAMBERT (V-5 PHOENIX RX)

REMY BELANGER (GEOPHYSICAL CONTRACTOR)

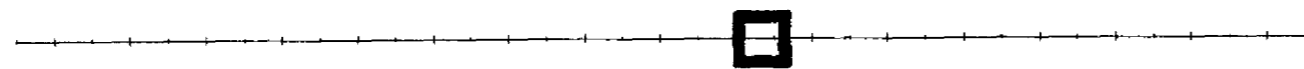




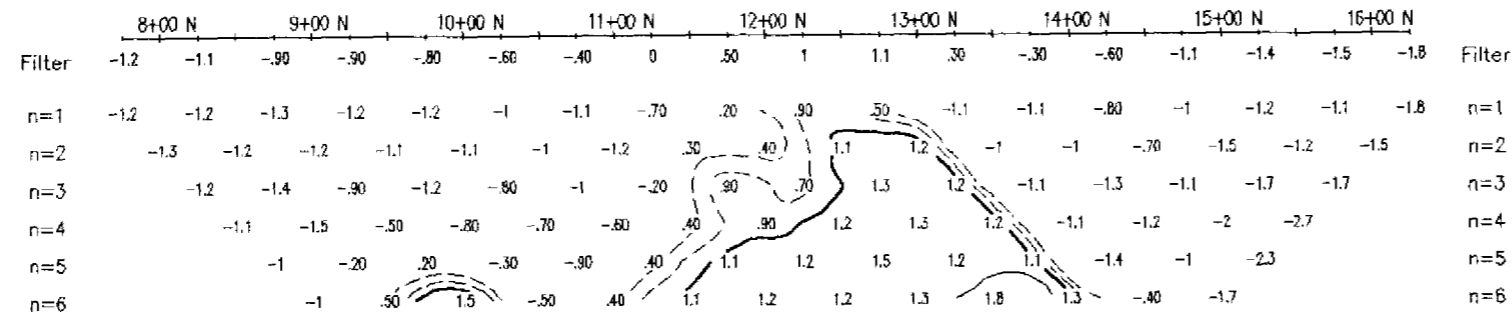
RESISTIVITY
OHM-METERS



RESISTIVITY
OHM-METERS



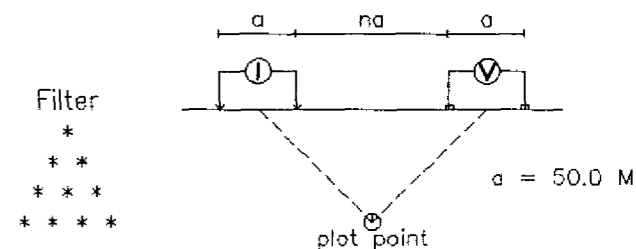
PHASE
MRAD



PHASE
MRAD

Line 7300 E

Dipole-Dipole Array



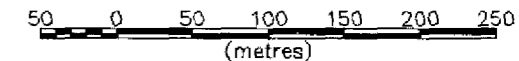
Filter
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Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- ▣ Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000



BARRICK GOLD CORPORATION

INDUCED POLARIZATION SURVEY
HOLT - MC DERMOTT PROJECT
HARKER & HOLLOWAY TWPS - ONTARIO

Date: 97/07/18
Interpretation: GERARD LAMBERT (V-5 PHOENIX RX)

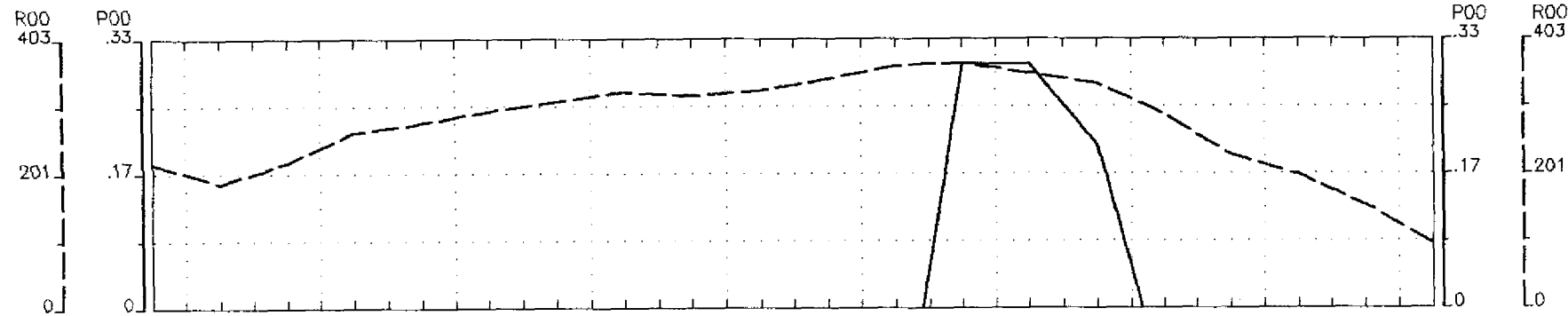
REMY BELANGER (GEOPHYSICAL CONTRACTOR)

510

HARKER

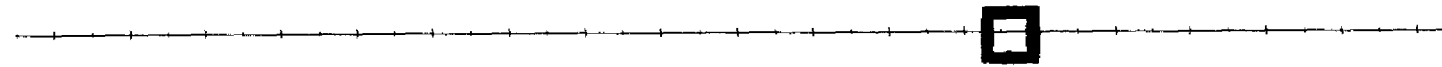
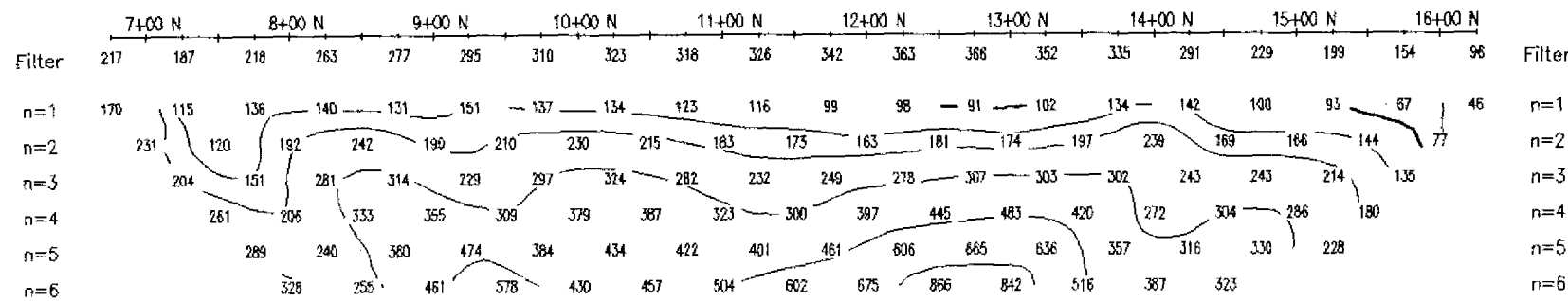
2.18543

32D12SW2004



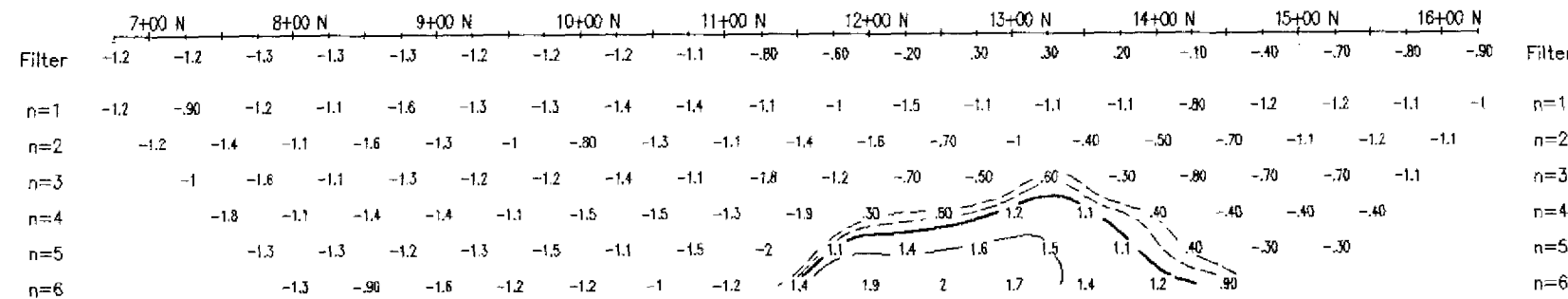
RESISTIVITY
OHM-METERS

RESISTIVITY
OHM-METERS



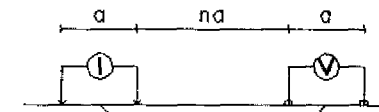
PHASE
MRAD

PHASE
MRAD



Line 7400 E

Dipole-Dipole Array



Filter
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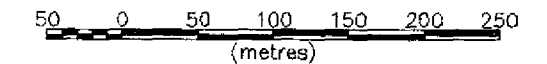
a = 50.0 M

Logarithmic
Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- ▣ Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000



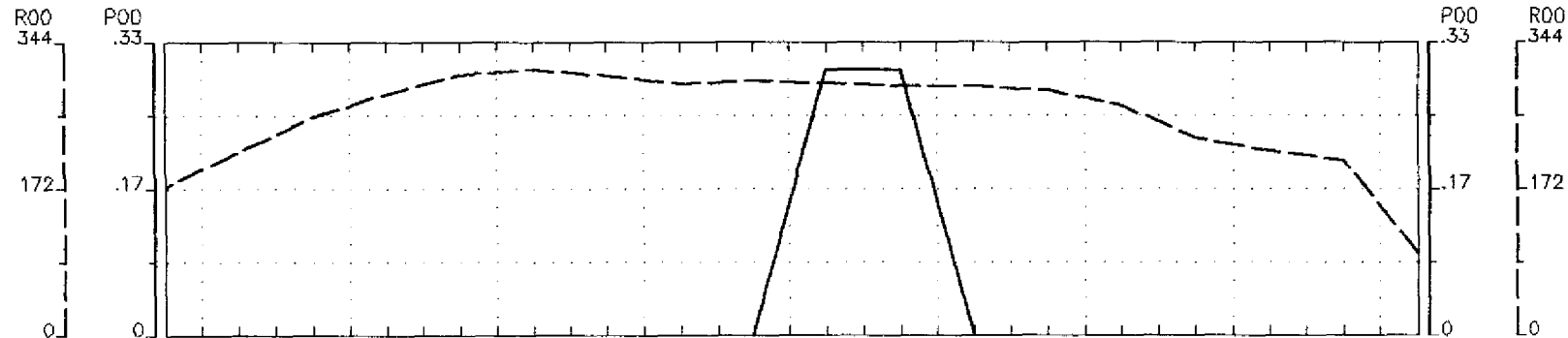
BARRICK GOLD CORPORATION

INDUCED POLARIZATION SURVEY
HOLT - MC DERMOTT PROJECT
HARKER & HOLLOWAY TWPS - ONTARIO

Date: 97/07/18
Interpretation: GERARD LAMBERT (V-5 PHOENIX RX)

REMY BELANGER (GEOPHYSICAL CONTRACTOR)





RESISTIVITY
OHM-METERS

Filter	8+00 N	9+00 N	10+00 N	11+00 N	12+00 N	13+00 N	14+00 N	15+00 N	16+00 N	Filter								
n=1	175	215	257	284	307	313	305	296	299	297	293	288	270	232	217	208	95	
n=2	64	103	128	136	143	135	151	121	103	80	75	85	107	112	73	121	180	75
n=3	148	179	212	217	237	227	183	162	169	150	137	161	156	193	121	227	103	
n=4		219	246	282	302	335	274	217	217	233	215	231	208	238	254	207	108	
n=5		277	300	357	391	374	306	275	300	366	349	282	293	293	405	93		
n=6		324	366	443	418	404	382	374	480	575	412	378	336	428	169			

RESISTIVITY
OHM-METERS

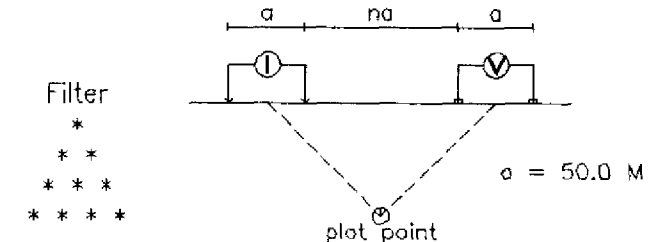
PHASE
MRAD

Filter	8+00 N	9+00 N	10+00 N	11+00 N	12+00 N	13+00 N	14+00 N	15+00 N	16+00 N	Filter									
n=1	-1.7	-1.7	-1.8	-1.7	-1.4	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.2	-1.1	-1	-1	-1.1	-1.4
n=2		-1.9	-1.8	-1.4	-1.7	-1.1	-1.1	-1	-1	-1	-1	-1	-1	-1.2	-1.2	-1.2	-1.4	-1.1	
n=3			-1.4	-1.9	-2	-1.1	-1.1	-1	-1	-1	-1	-1	-1	-1.2	-1.2	-1.2	-1.4	-1.1	
n=4				-1.4	-1.9	-2	-1.1	-1.1	-1	-1	-1	-1	-1	-1.2	-1.2	-1.2	-1.4	-1.1	
n=5					-1.7	-3	-2.5	-4.0	-4.0	-4.0	-4.0	-4.0	-4.0	-4.0	-4.0	-4.0	-4.0	-4.0	
n=6						-2.2	-2.5	-2.4	-5.0	.60	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	

PHASE
MRAD

Line 7500 E

Dipole-Dipole Array



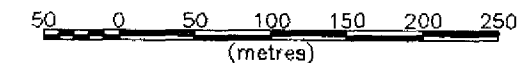
Filter * * * * *

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10, ...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- ▣ Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000



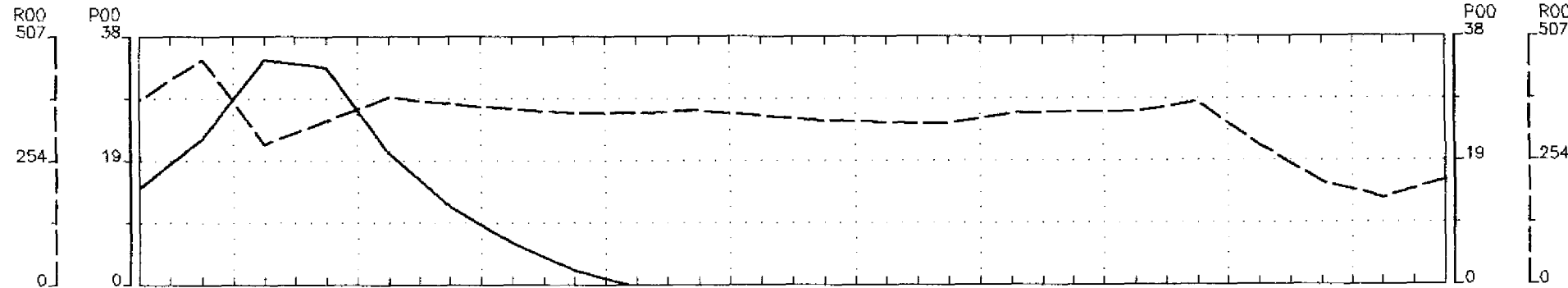
BARRICK GOLD CORPORATION

INDUCED POLARIZATION SURVEY
HOLT - MC DERMOTT PROJECT
HARKER & HOLLOWAY TWPS - ONTARIO

Date: 97/07/25
Interpretation: GERARD LAMBERT (V-5 PHOENIX RX)

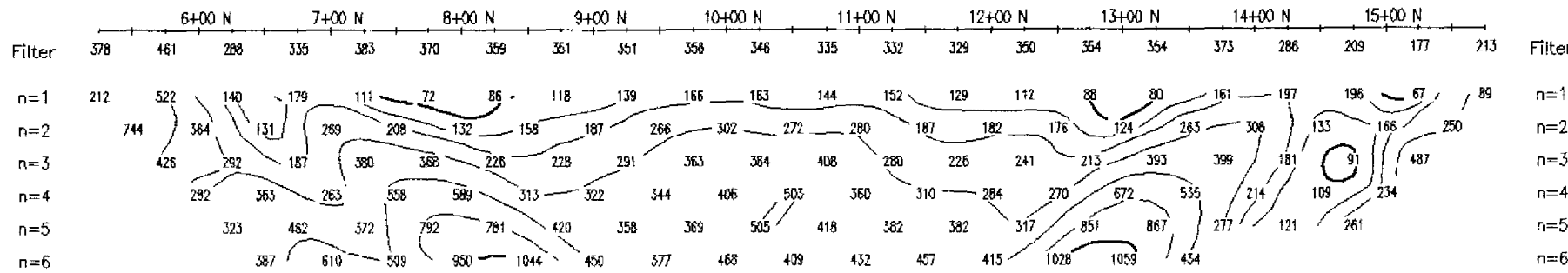
REMY BELANGER (GEOPHYSICAL CONTRACTOR)

32D12SW2004 2.18543 HARKER 530



RESISTIVITY
OHM-METERS

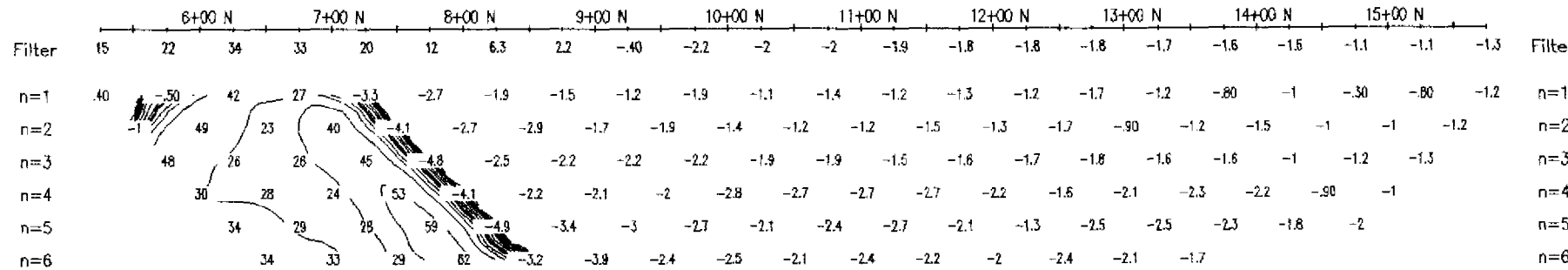
RESISTIVITY
OHM-METERS



P.L.

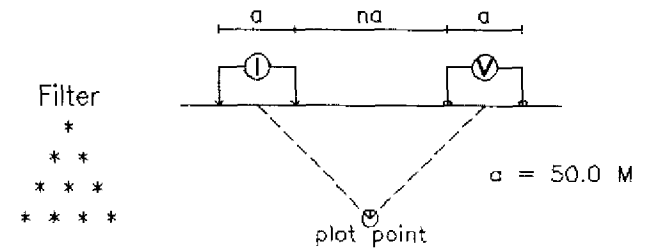
PHASE
MRAD

PHASE
MRAD



Line 7600 E

Dipole-Dipole Array



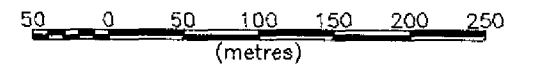
Filter
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Logarithmic
Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- ▣ Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000



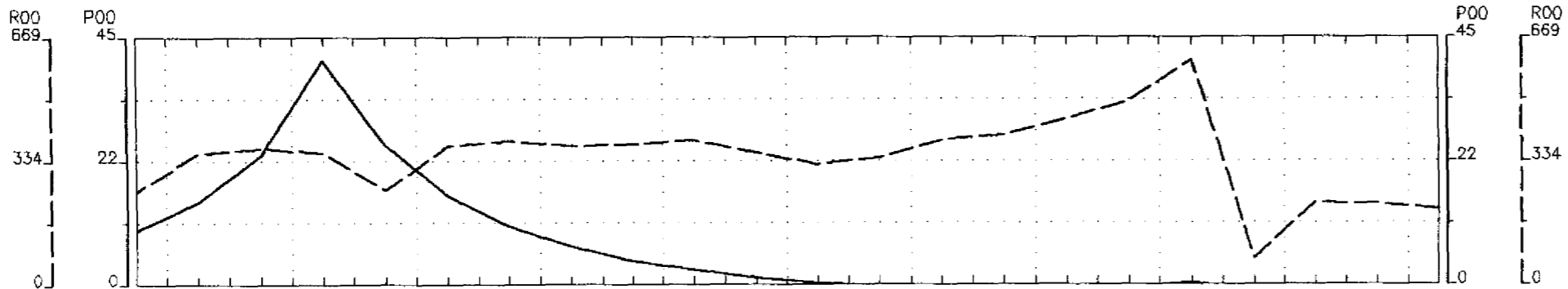
BARRICK GOLD CORPORATION

INDUCED POLARIZATION SURVEY
HOLT - MC DERMOTT PROJECT
HARKER & HOLLOWAY TWPS - ONTARIO

Date: 97/07/25
Interpretation: GERARD LAMBERT (V-5 PHOENIX RX)

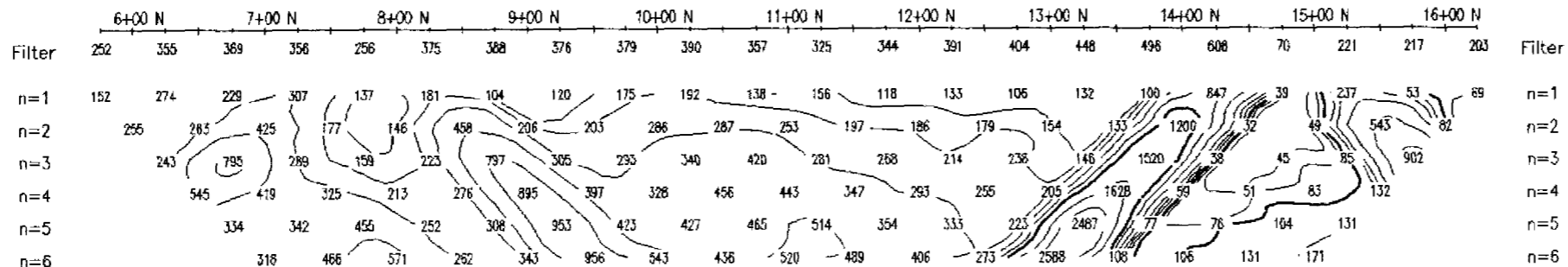
REMY BELANGER (GEOPHYSICAL CONTRACTOR)





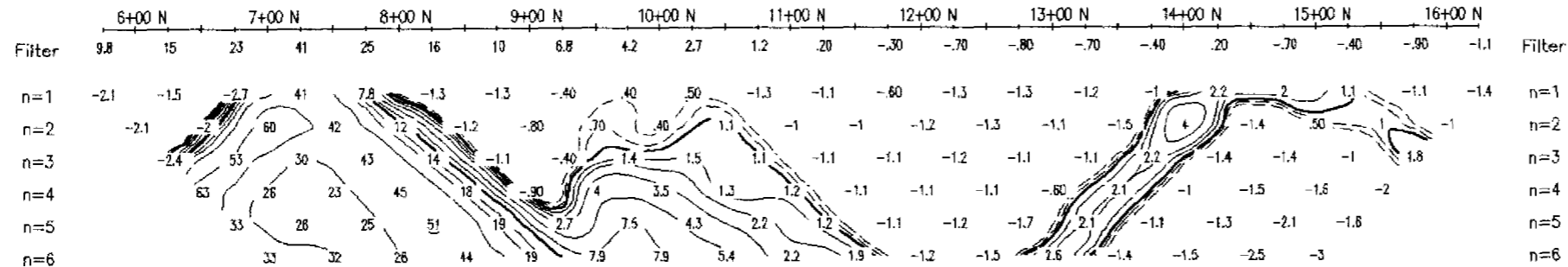
RESISTIVITY
OHM-METERS

RESISTIVITY
OHM-METERS



PHASE
MRAD

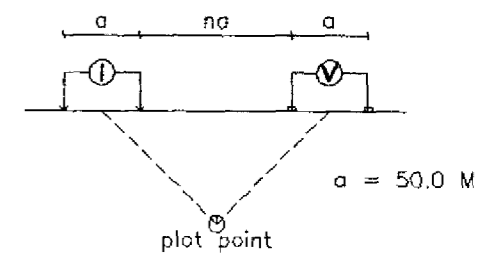
PHASE
MRAD



Line 7700 E

Dipole-Dipole Array

Filter
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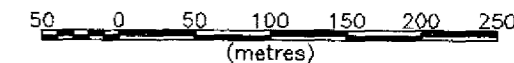


Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- ▣ Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000



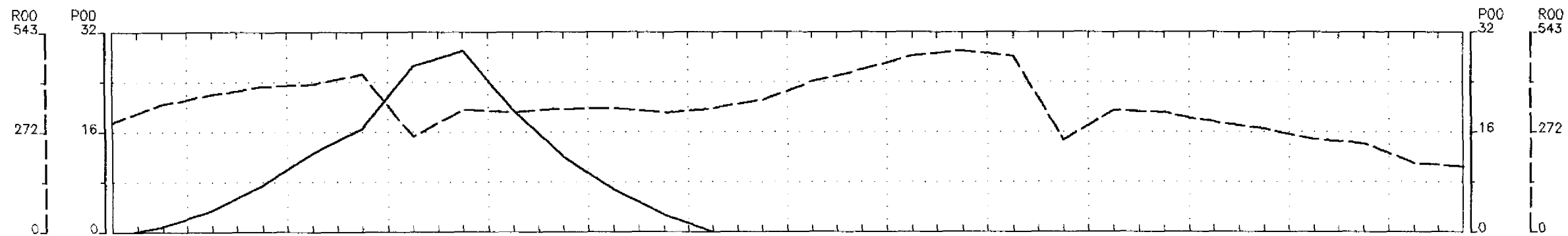
BARRICK GOLD CORPORATION

INDUCED POLARIZATION SURVEY
HOLT - MC DERMOTT PROJECT
HARKER & HOLLOWAY TWPS - ONTARIO

Date: 97/07/25
Interpretation: GERARD LAMBERT (V-5 PHOENIX RX)

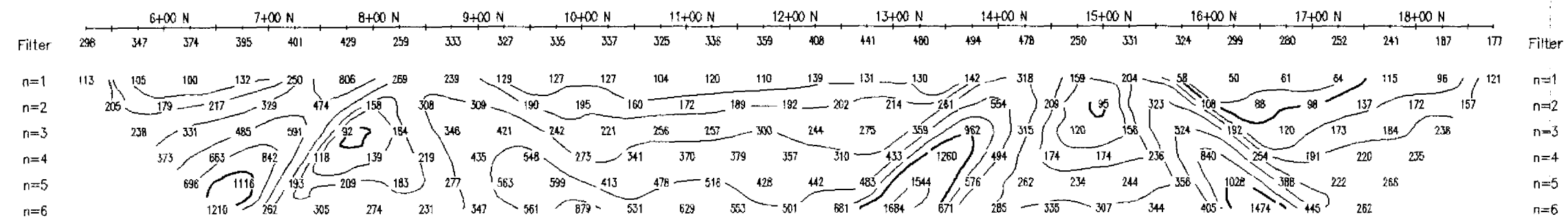
REMY BELANGER (GEOPHYSICAL CONTRACTOR)

32D12SW2004 2.18543 HARKER 550



RESISTIVITY
OHM-METERS

RESISTIVITY
OHM-METERS

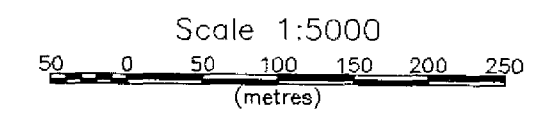


Filter
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Logarithmic
Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

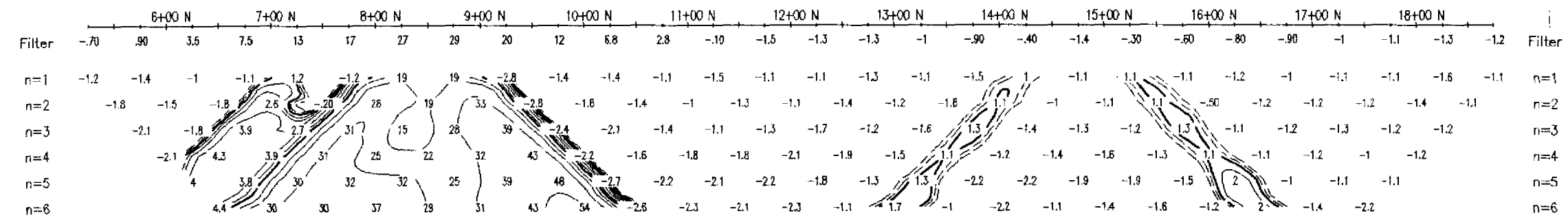
INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- ▣ Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

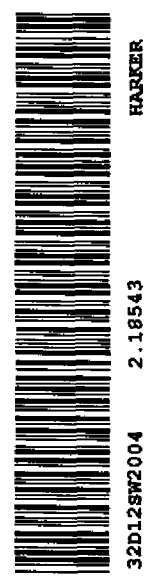


PHASE
MRAD

PHASE
MRAD



P.L.

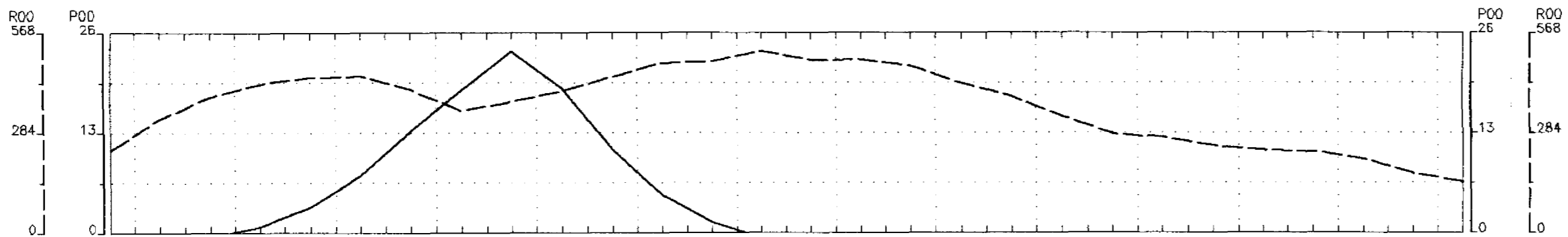


BARRICK GOLD CORPORATION

INDUCED POLARIZATION SURVEY
HOLT - MC DERMOTT PROJECT
HARKER & HOLLOWAY TWPS - ONTARIO

Date: 97/07/25
Interpretation: GERARD LAMBERT (V-5 PHOENIX RX)

REMY BELANGER (GEOPHYSICAL CONTRACTOR)



RESISTIVITY
OHM-METERS

RESISTIVITY
OHM-METERS

Filter	234	323	366	422	441	445	407	346	372	402	442	482	487	516	490	491	474	424	388	331	280	270	246	234	230	209	168	145
n=1	147	142	107	98	105	129	157	135	120	89	86	118	120	176	138	140	145	127	146	159	119	116	112	100	115	111	65	94
n=2	166	191	218	206	254	319	203	163	213	165	240	251	294	287	219	269	233	244	288	157	180	146	119	183	179	161	98	
n=3	187	324	373	421	509	342	198	262	360	353	400	463	384	417	381	394	387	354	245	235	218	182	183	227	222	193		
n=4	297	497	662	721	456	284	294	409	674	463	622	521	493	680	511	604	489	285	347	301	271	276	211	254	220			
n=5	443	824	1027	577	338	391	440	741	842	671	644	622	770	858	741	708	365	366	424	365	397	329	236	268				
n=6	714	1187	762	390	429	543	779	894	1089	641	729	936	943	1169	826	498	441	437	495	512	460	382	239					

Pl.

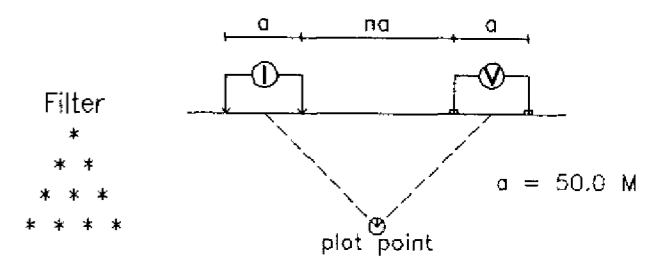
PHASE
MRAD

PHASE
MRAD

Filter	234	323	366	422	441	445	407	346	372	402	442	482	487	516	490	491	474	424	388	331	280	270	246	234	230	209	168	145
n=1	-1.3	-1.4	-1.7	-1.3	-1.8	-1.4	-1	-1.1	7.4	2.3	-1.1	-1.7	-1.9	-1.5	-1.1	-3.0	-1.1	-1.2	-1.2	-1.2	-9.0	-1.1	-1.5	-1.8	-1.1	-1.7	-1	-1.3
n=2	-1.6	-1.1	-1.1	-1.2	-1.2	-4.0	2	16	20	8	-1.5	-1.1	-1.7	-1.6	-1.6	-1.4	-1.2	-1.2	-1.3	-1.2	-1.1	-1.3	-1.5	-1.6	-1	-1.6	-1.6	
n=3	-1.3	-1.8	-1.4	-1.2	1	5	24	26	22	7.2	-2.7	-1.7	-1.4	-2.2	-1.7	-1.2	-1.2	-1.3	-1.3	-1.3	-1.8	-1.3	-1.5	-1.6	-1.1			
n=4	-2.2	-2.1	-1.6	1.5	6.3	31	36	28	21	7.4	-3.1	-1.5	-2.2	-1.5	-1.4	-1.9	-1.5	-1.3	-2.1	-1.3	-2.1	-1.7	-1.6	-1.2	-1			
n=5	-2.1	-2.2	4.8	9.1	31	39	36	28	22	7.2	-3.3	-1.8	-2.9	-2.2	-1.7	-1.5	-1.1	-1.8	-1.8	-2.2	-2.2	-2.2	-1.4	-1.7				
n=6	-2.1	6.3	12	30	37	39	37	28	21	8.8	-2.5	-2	-2.6	-2.2	-1.1	-2	-8.0	-1.1	-2.1	-2.1	-1.5	-2.1	-1.2					

Line 7900 E

Dipole-Dipole Array



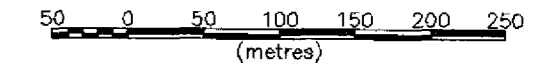
Filter
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Logarithmic
Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- ▣ Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000



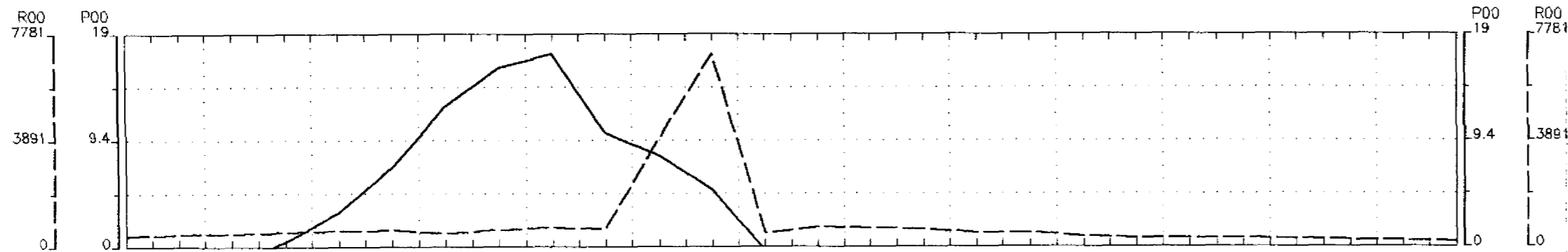
BARRICK GOLD CORPORATION

INDUCED POLARIZATION SURVEY
HOLT - MC DERMOTT PROJECT
HARKER & HOLLOWAY TWPS - ONTARIO

Date: 97/07/25
Interpretation: GERARD LAMBERT (V-5 PHOENIX RX)

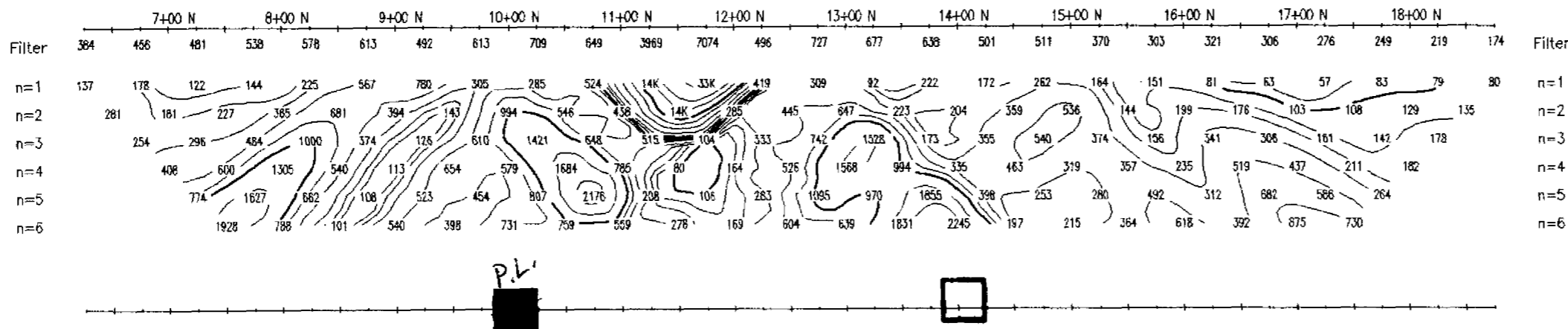
REMY BELANGER (GEOPHYSICAL CONTRACTOR)

32D12SW2004 2.18543 HARKER 570



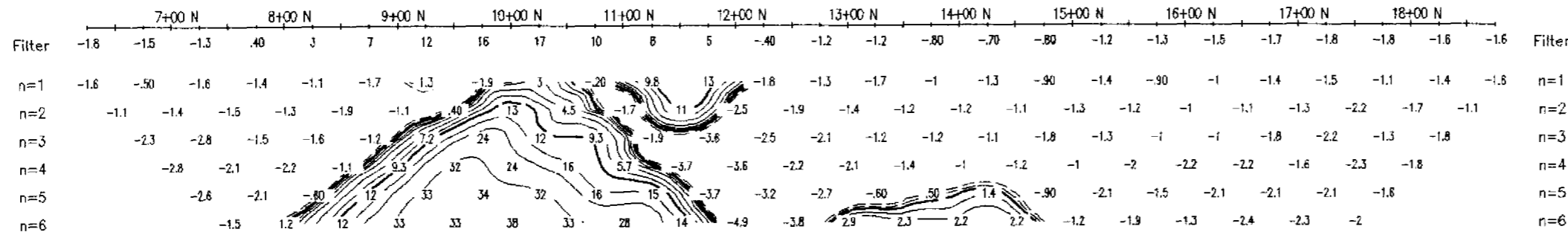
RESISTIVITY
OHM-METERS

RESISTIVITY
OHM-METERS



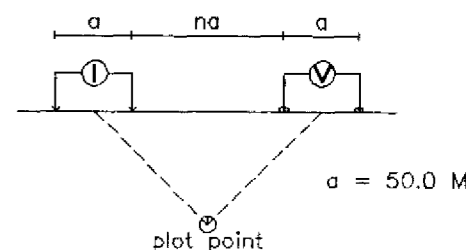
PHASE
MRAD

PHASE
MRAD



Line 8000 E

Dipole-Dipole Array



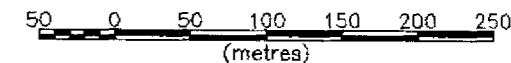
Filter
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Logarithmic Contours
1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000



BARRICK GOLD CORPORATION

INDUCED POLARIZATION SURVEY
HOLT - MC DERMOTT PROJECT
HARKER & HOLLOWAY TWPS - ONTARIO

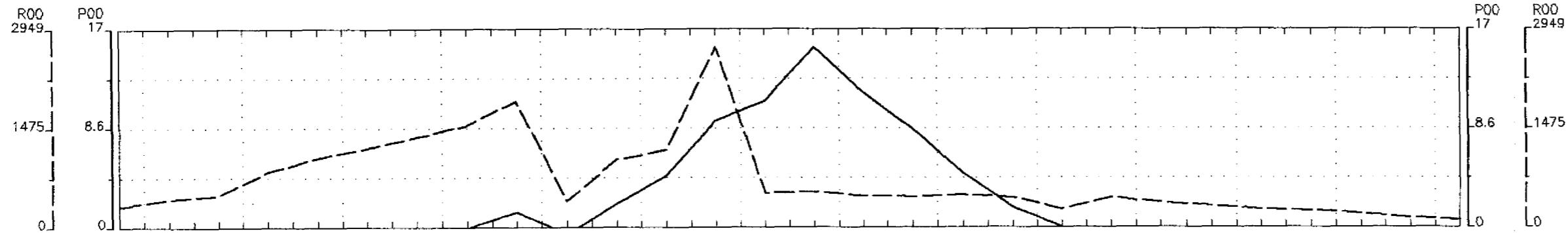
Date: 97/07/25
Interpretation: GERARD LAMBERT (V-5 PHOENIX RX)

REMY BELANGER (GEOPHYSICAL CONTRACTOR)

580

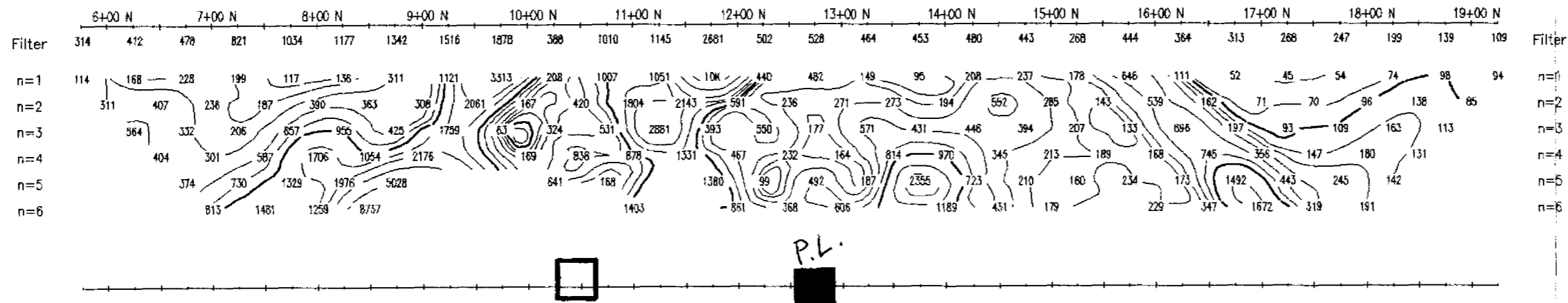
HARKER

32D125W2004 2.18543



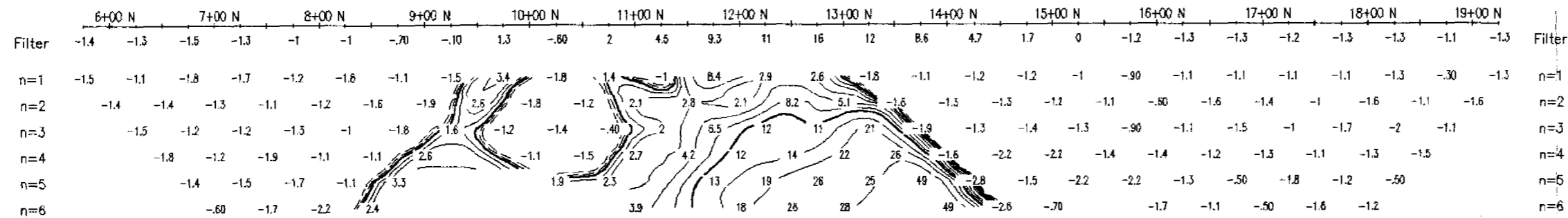
RESISTIVITY
OHM-METERS

RESISTIVITY
OHM-METERS



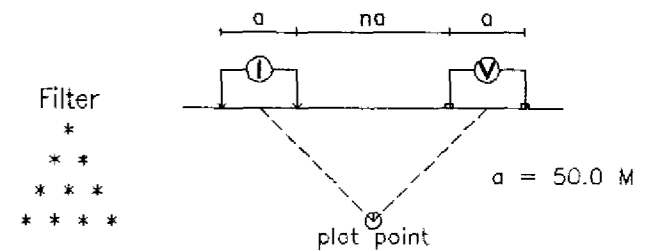
PHASE
MRAD

PHASE
MRAD



Line 8100 E

Dipole-Dipole Array



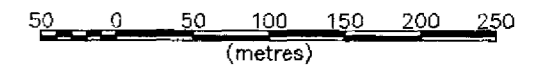
Filter
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Logarithmic
Contours 1, 1.5, 2, 3, 5, 7.5, 10, ...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- ▣ Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000



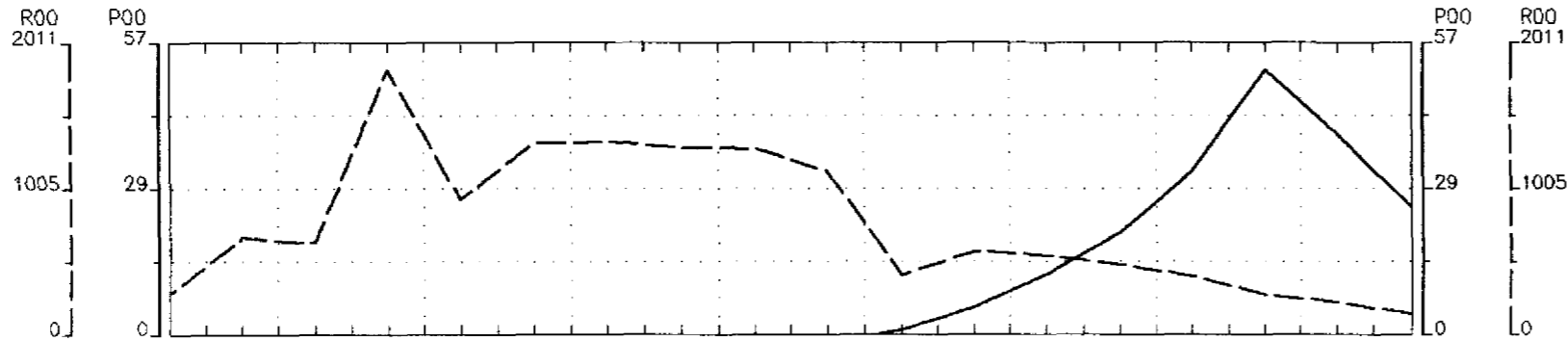
BARRICK GOLD CORPORATION

INDUCED POLARIZATION SURVEY
HOLT - MC DERMOTT PROJECT
HARKER & HOLLOWAY TWPS - ONTARIO

Date: 97/07/26
Interpretation: GERARD LAMBERT (V-5 PHOENIX RX)

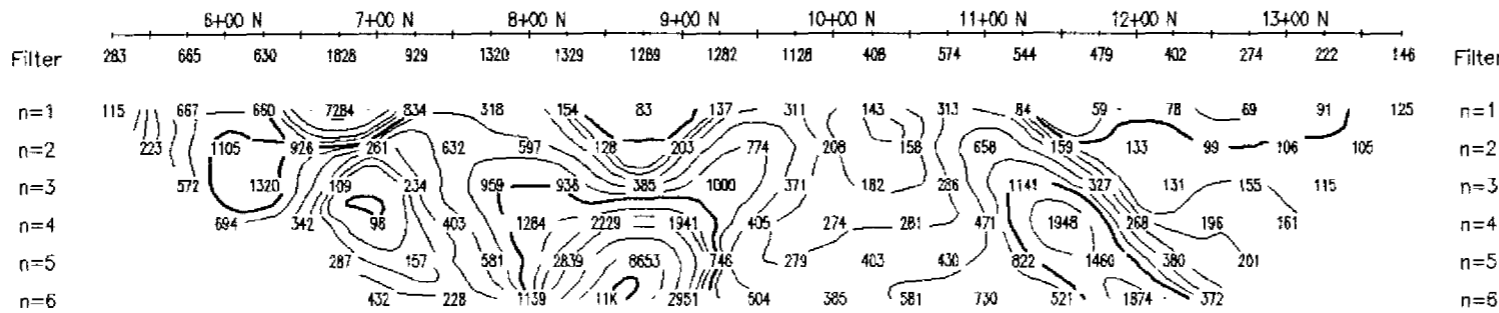
REMY BELANGER (GEOPHYSICAL CONTRACTOR)

590
HARKER
32D12SW2004 2.18543



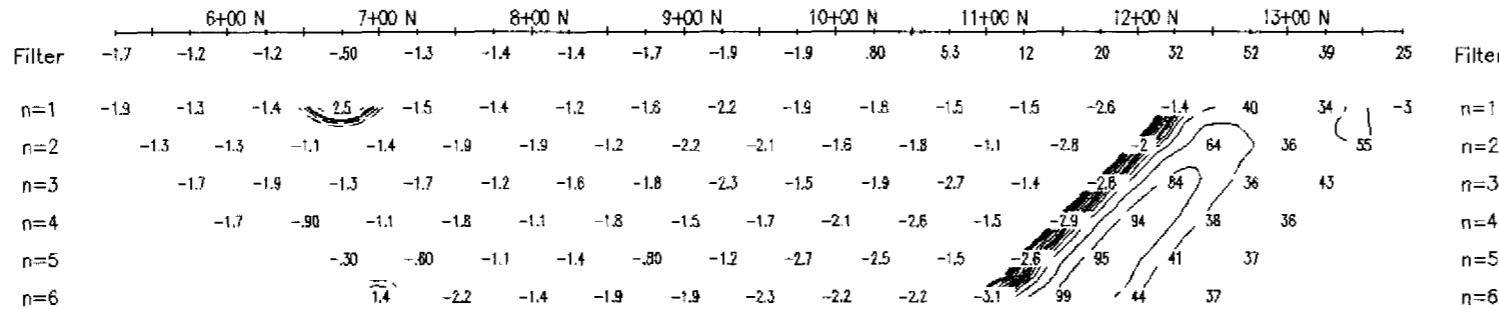
RESISTIVITY
OHM-METERS

RESISTIVITY
OHM-METERS



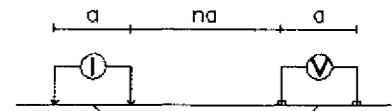
PHASE
MRAD

PHASE
MRAD



Line 8200 E

Dipole-Dipole Array



Filter
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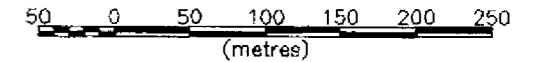
a = 50.0 M

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- ▣ Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000



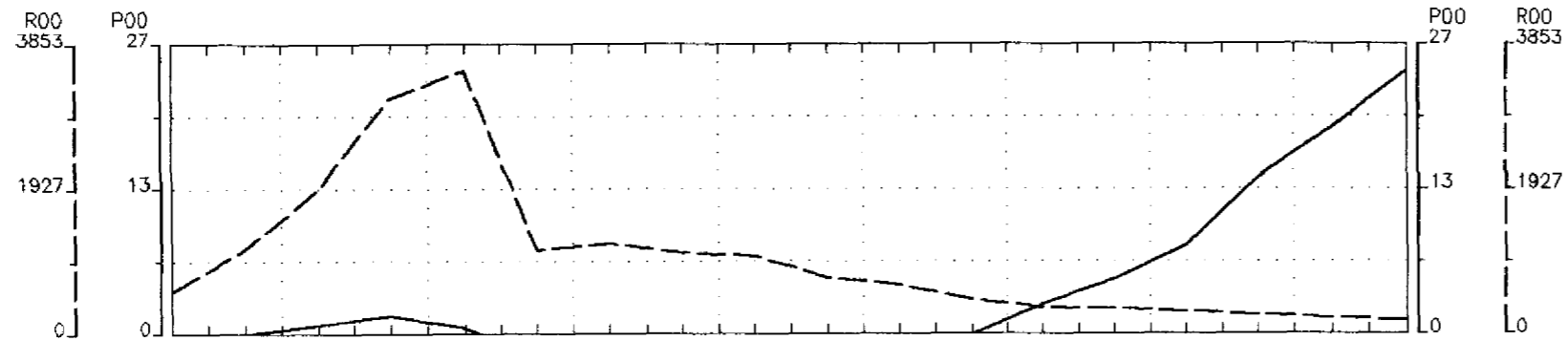
BARRICK GOLD CORPORATION

INDUCED POLARIZATION SURVEY
HOLT -- MC DERMOTT PROJECT
HARKER & HOLLOWAY TWPS -- ONTARIO

Date: 97/07/26
Interpretation: GERARD LAMBERT (V-5 PHOENIX RX)

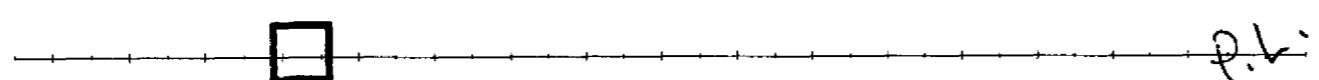
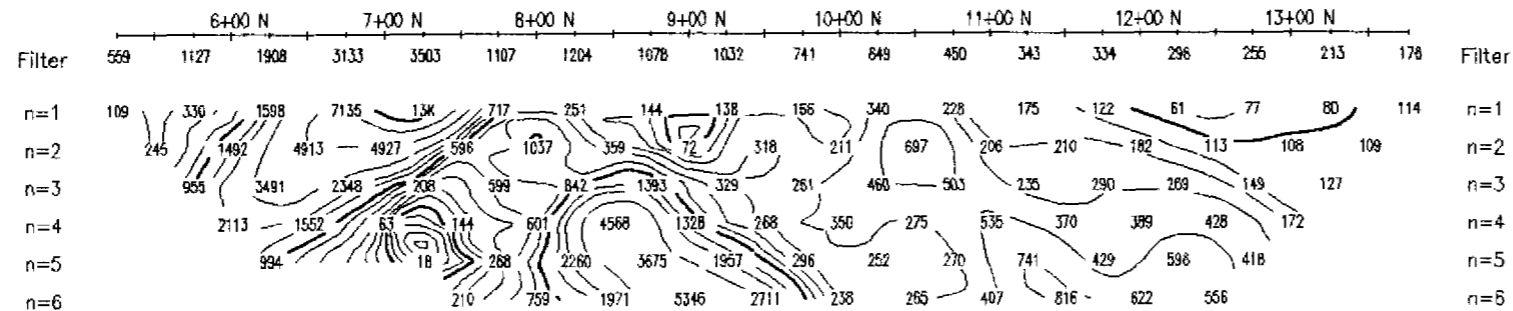
REMY BELANGER (GEOPHYSICAL CONTRACTOR)





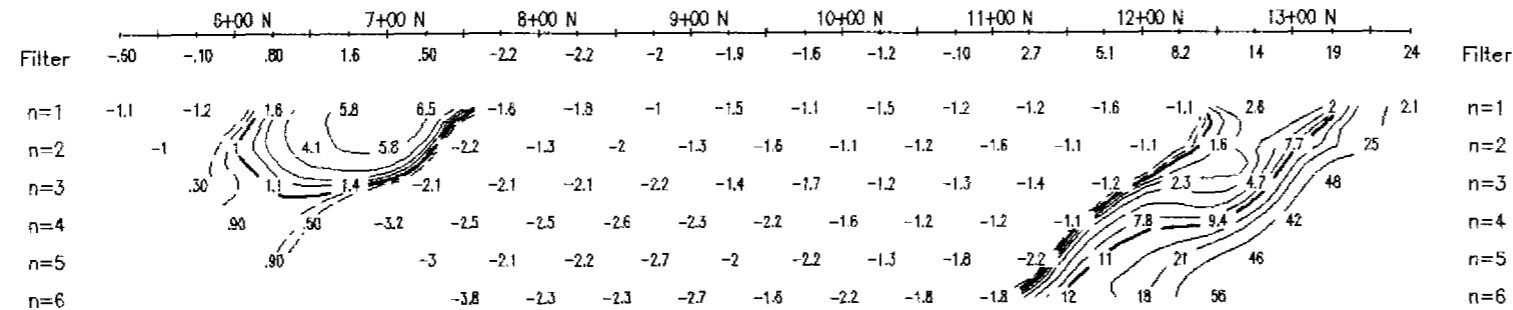
RESISTIVITY
OHM-METERS

RESISTIVITY
OHM-METERS



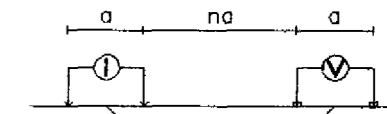
PHASE
MRAD

PHASE
MRAD



Line 8300 E

Dipole-Dipole Array



Filter

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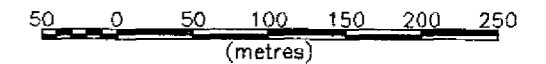
a = 50.0 M

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- ▣ Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000



BARRICK GOLD CORPORATION

INDUCED POLARIZATION SURVEY
HOLT - MC DERMOTT PROJECT
HARKER & HOLLOWAY TWPS - ONTARIO

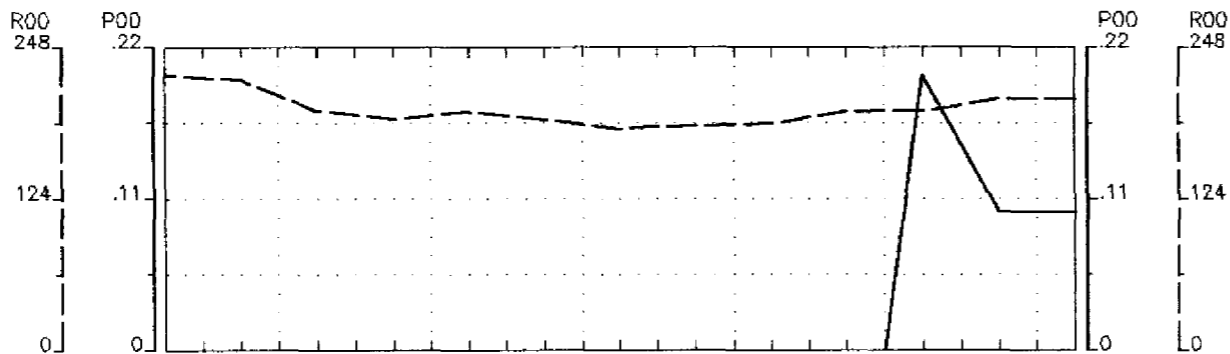
Date: 97/07/26
Interpretation: GERARD LAMBERT (V-5 PHOENIX RX)

REMY BELANGER (GEOPHYSICAL CONTRACTOR)

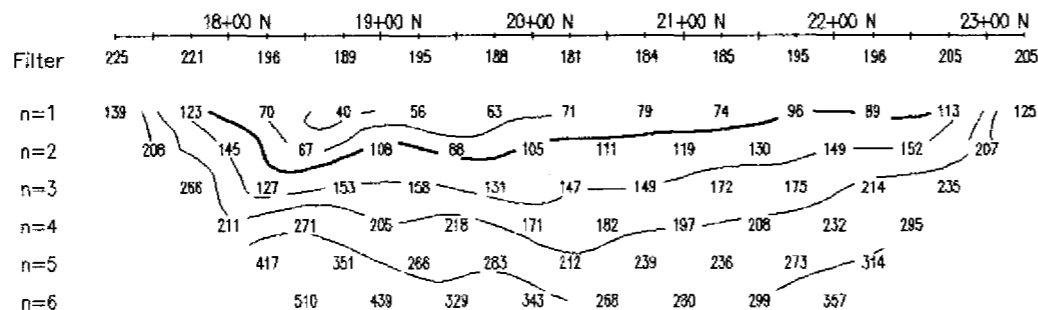


HARKER 610

32D12SW2004 2.18543



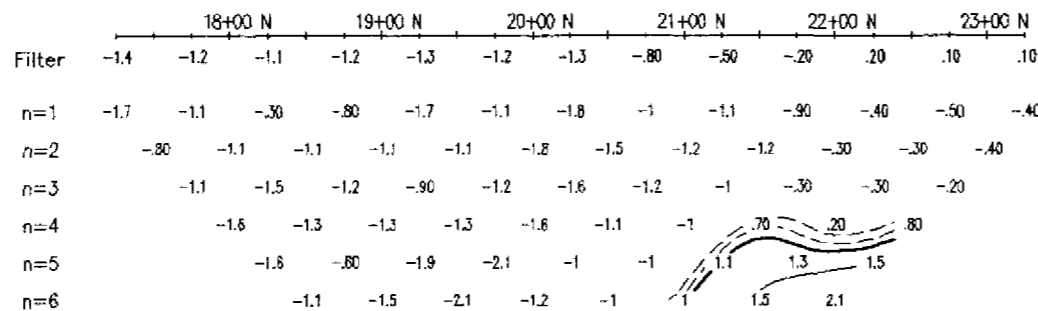
RESISTIVITY
OHM-METERS



RESISTIVITY
OHM-METERS

Filter
n=1
n=2
n=3
n=4
n=5
n=6

PHASE
MRAD

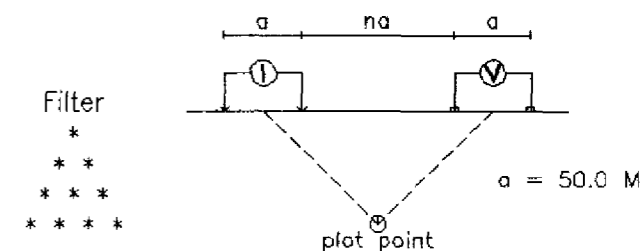


PHASE
MRAD

Filter
n=1
n=2
n=3
n=4
n=5
n=6

Line 9300 E

Dipole-Dipole Array

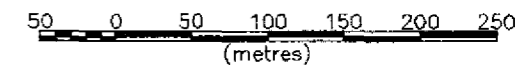


Logarithmic
Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- ▣ Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000



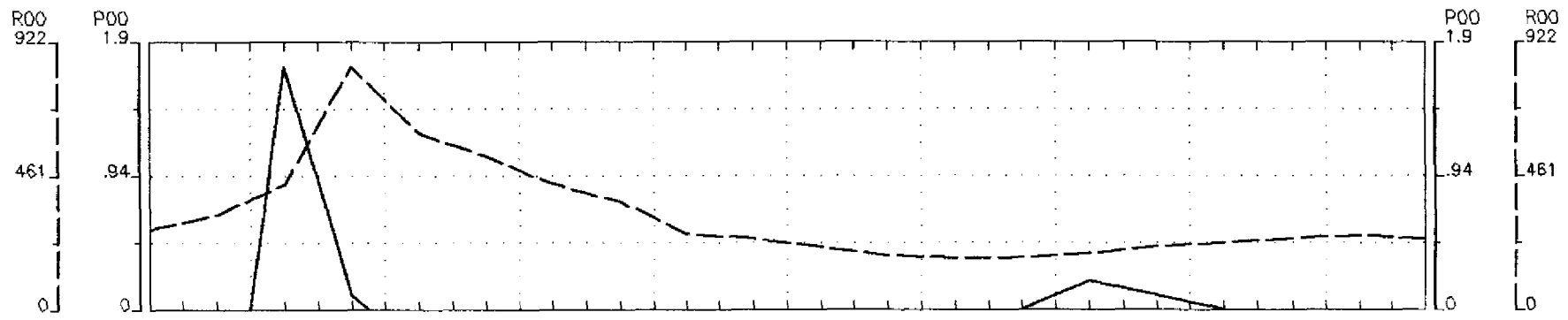
BARRICK GOLD CORPORATION

INDUCED POLARIZATION SURVEY
HOLT - MC DERMOTT PROJECT
HARKER & HOLLOWAY TWPS - ONTARIO

Date: 97/07/26
Interpretation: GERARD LAMBERT (V-5 PHOENIX RX)

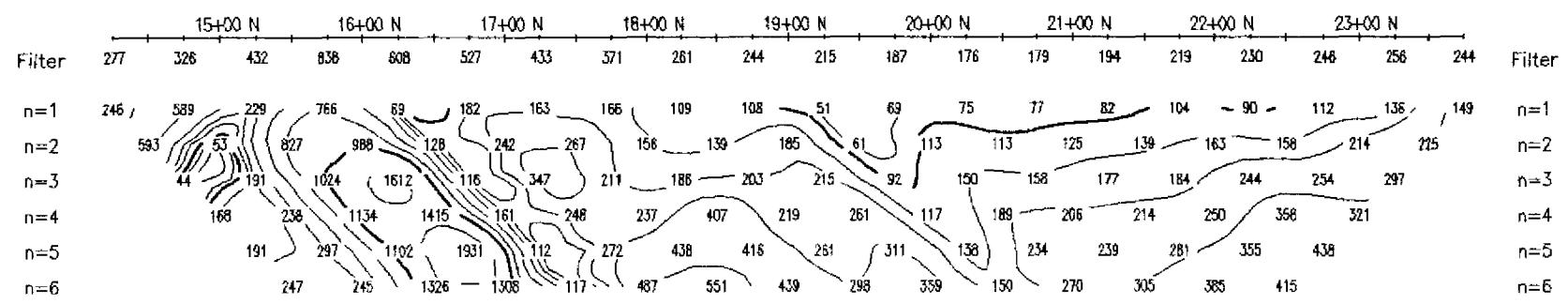
REMY BELANGER (GEOPHYSICAL CONTRACTOR)





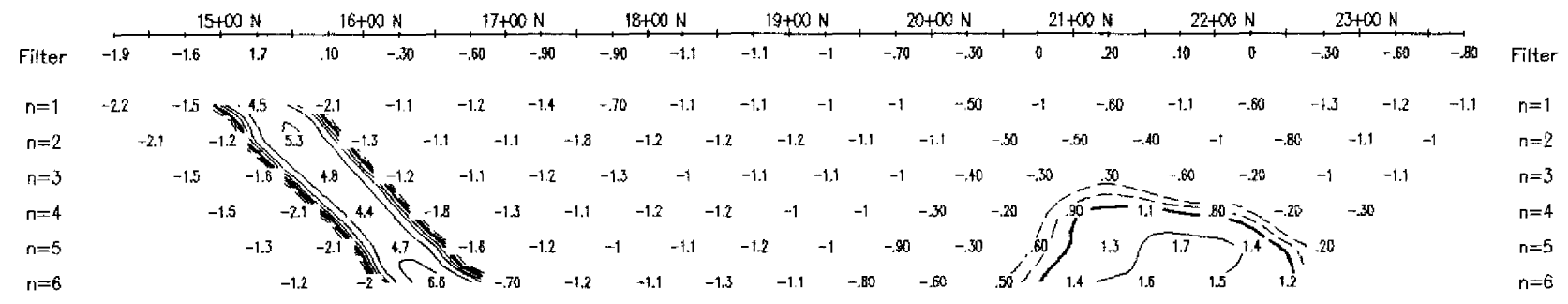
RESISTIVITY
OHM-METERS

RESISTIVITY
OHM-METERS



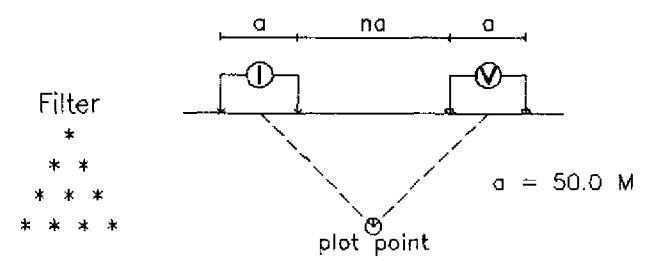
PHASE
MRAD

PHASE
MRAD



Line 9400 E

Dipole-Dipole Array



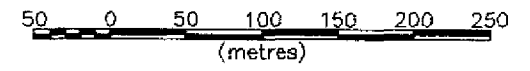
Filter
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Logarithmic
Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- ▣ Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000



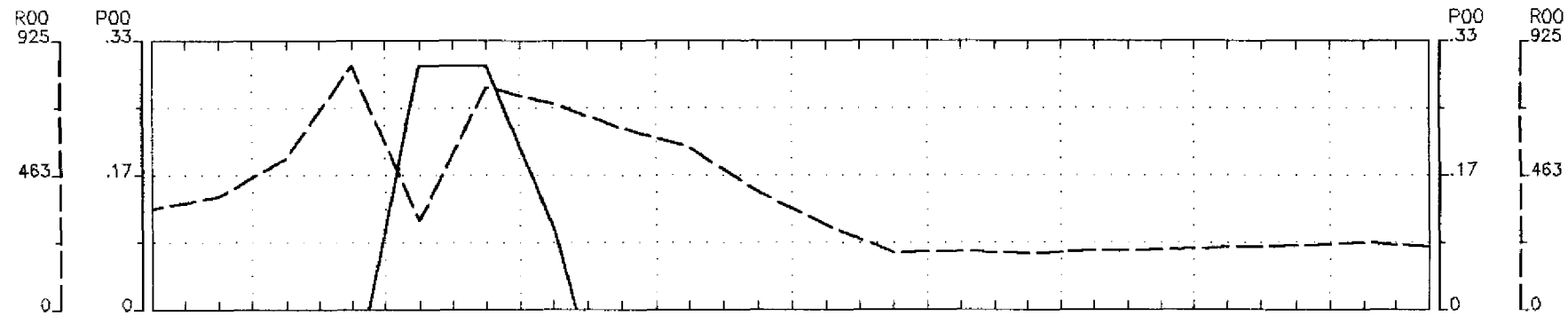
BARRICK GOLD CORPORATION

INDUCED POLARIZATION SURVEY
HOLT - MC DERMOTT PROJECT
HARKER & HOLLOWAY TWPS - ONTARIO

Date: 97/07/26
Interpretation: GERARD LAMBERT (V-5 PHOENIX RX)

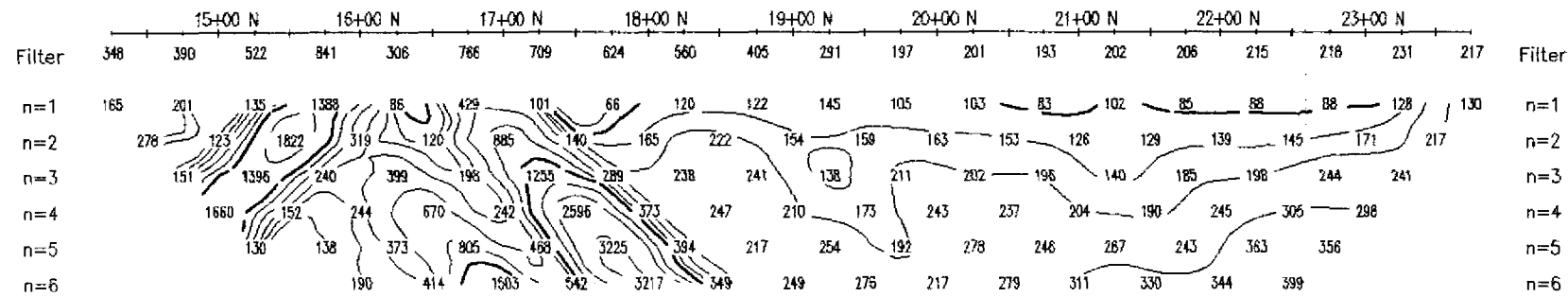
REMY BELANGER (GEOPHYSICAL CONTRACTOR)

32D12SW2004 2.18543 HARKER 630



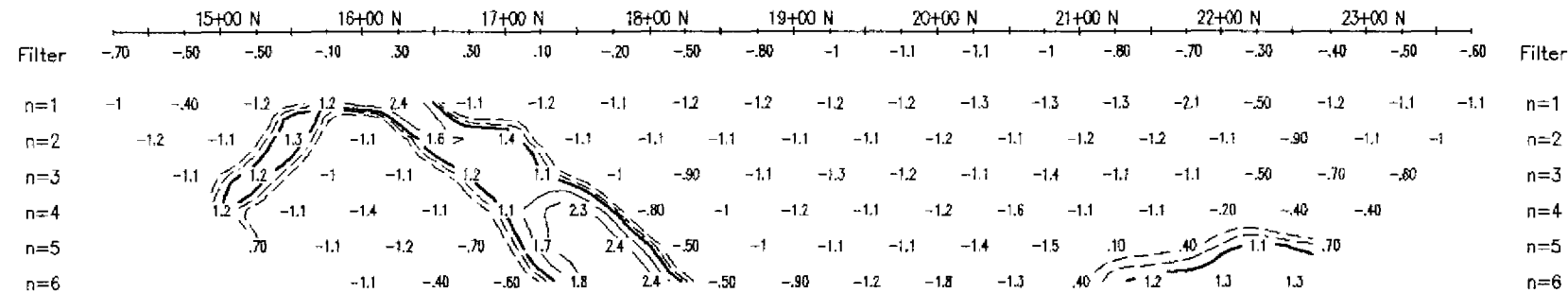
RESISTIVITY
OHM-METERS

RESISTIVITY
OHM-METERS

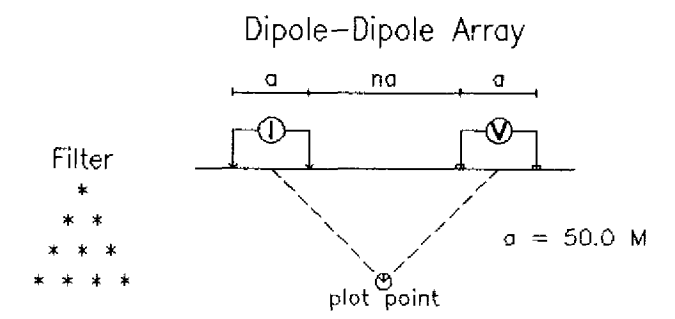


PHASE
MRAD

PHASE
MRAD



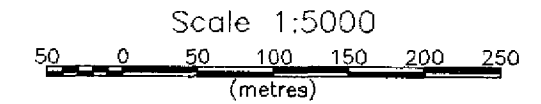
Line 9500 E



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- ▣ Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.



BARRICK GOLD CORPORATION

INDUCED POLARIZATION SURVEY
HOLT - MC DERMOTT PROJECT
HARKER & HOLLOWAY TMS - ONTARIO

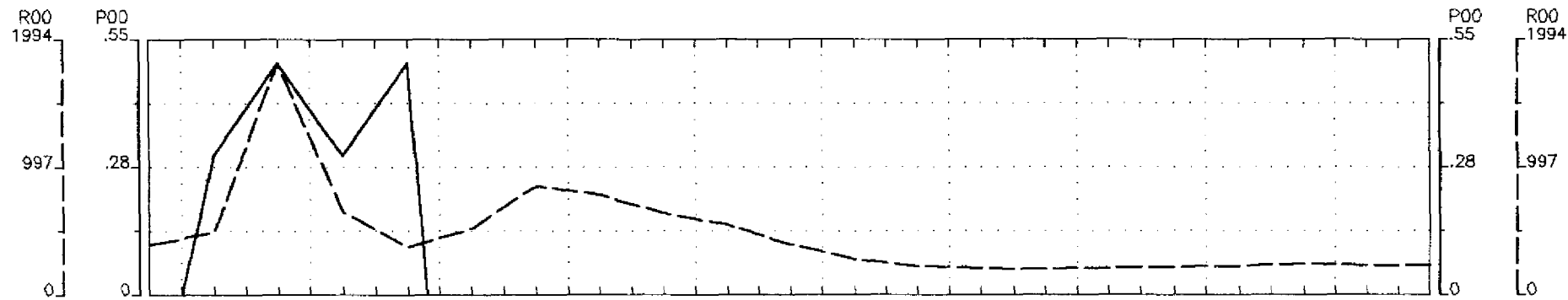
Date: 97/07/26
Interpretation: GERARD LAMBERT (V-5 PHOENIX RX)

REMY BELANGER (GEOPHYSICAL CONTRACTOR)



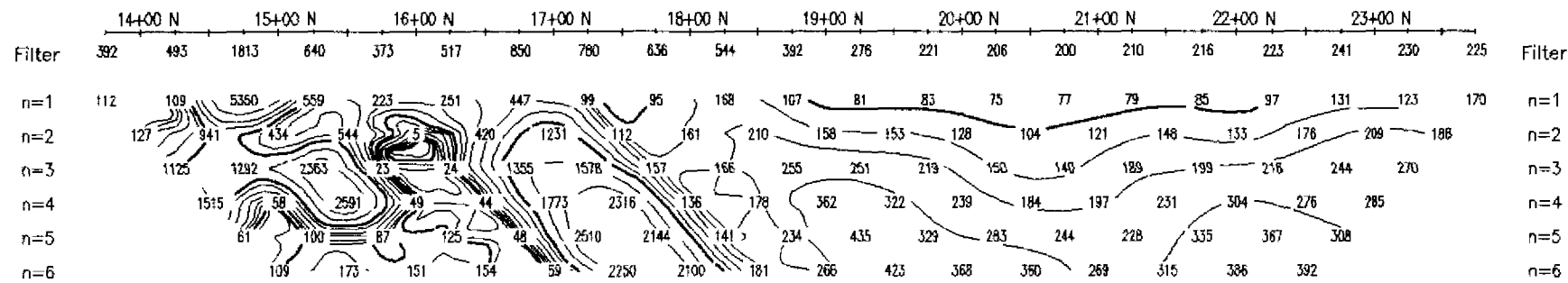
640

HARKER



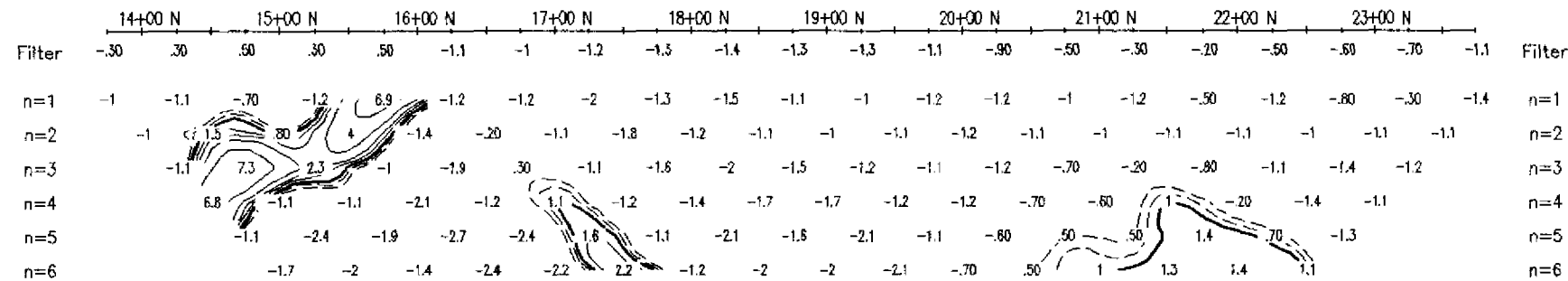
RESISTIVITY
OHM-METERS

RESISTIVITY
OHM-METERS

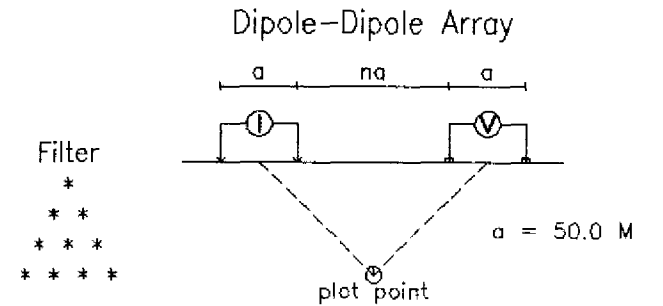


PHASE
MRAD

PHASE
MRAD



Line 9600 E



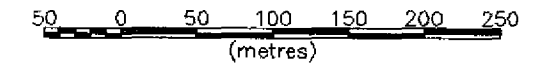
Filter
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Logarithmic
Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- ▣ Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000



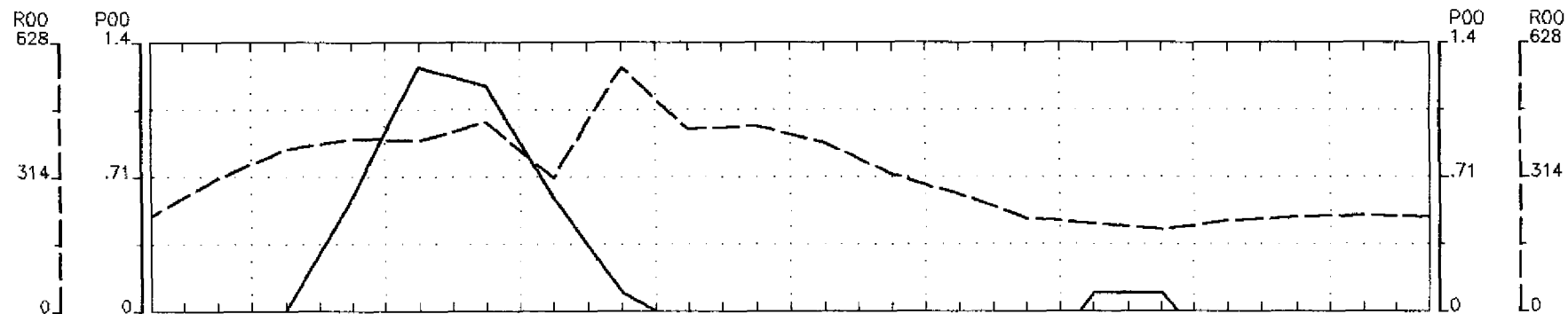
BARRICK GOLD CORPORATION

**INDUCED POLARIZATION SURVEY
HOLT - MC DERMOTT PROJECT
HARKER & HOLLOWAY TWPS - ONTARIO**

Date: 97/07/26
Interpretation: GERARD LAMBERT (V-5 PHOENIX RX)

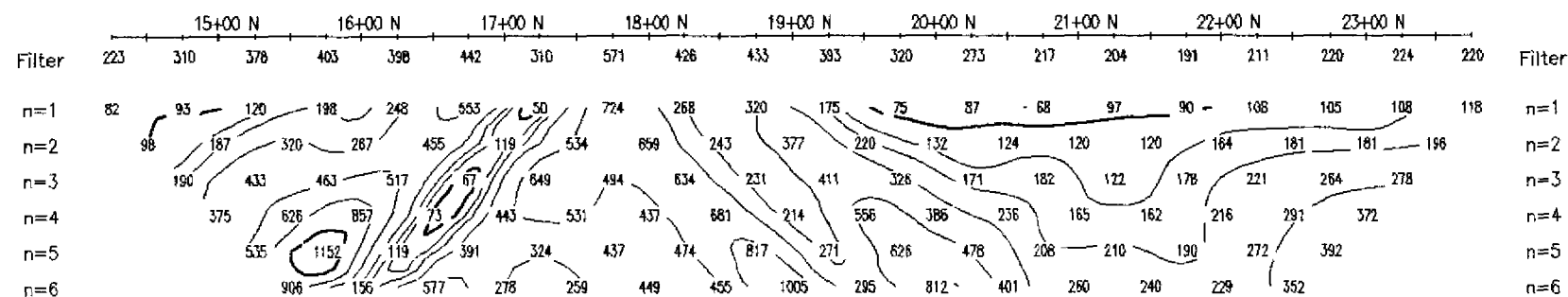
REMY BELANGER (GEOPHYSICAL CONTRACTOR)





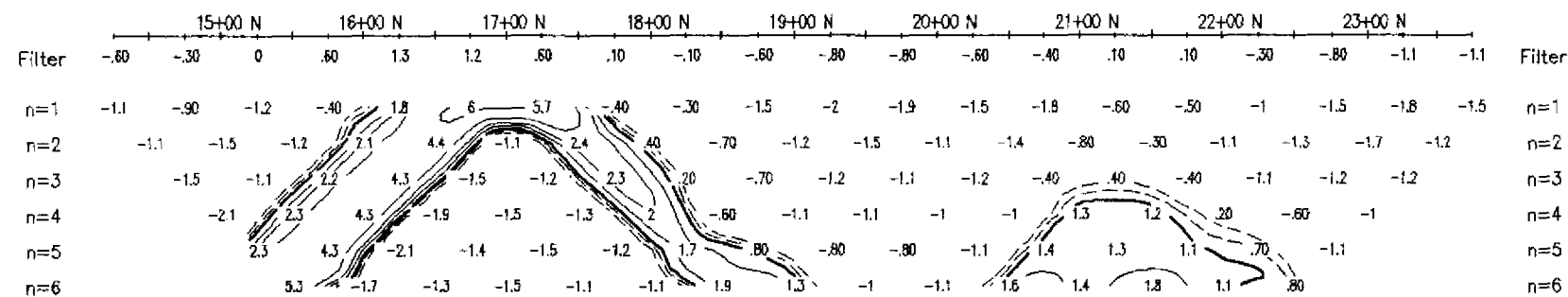
RESISTIVITY
OHM-METERS

RESISTIVITY
OHM-METERS

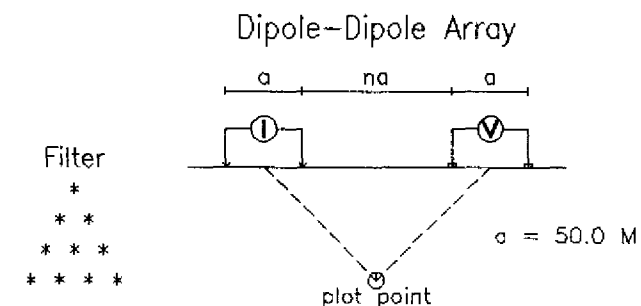


PHASE
MRAD

PHASE
MRAD



Line 9700 E



Filter
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Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
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- ▼ Low resistivity feature.

Scale 1:5000



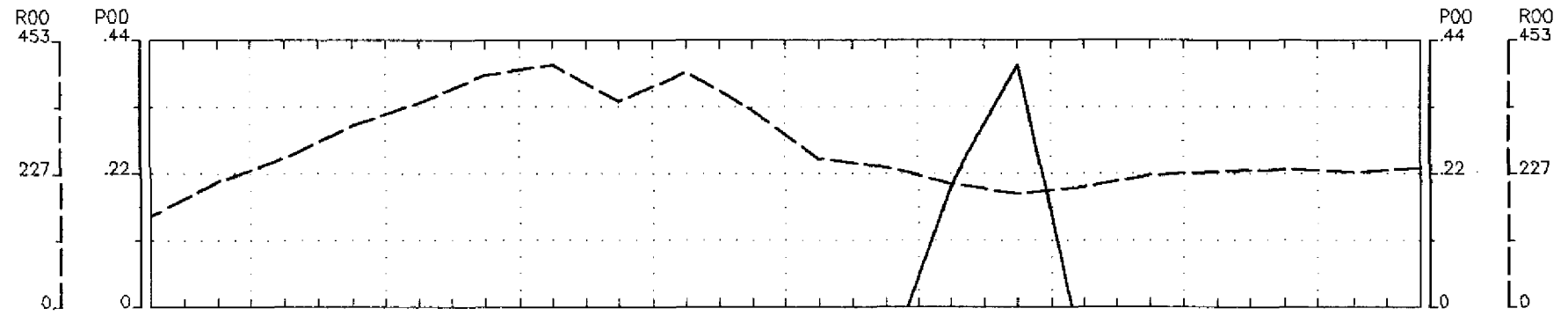
BARRICK GOLD CORPORATION

INDUCED POLARIZATION SURVEY
HOLT - MC DERMOTT PROJECT
HARKER & HOLLOWAY TWPS - ONTARIO

Date: 97/07/26
Interpretation: GERARD LAMBERT (V-5 PHOENIX RX)

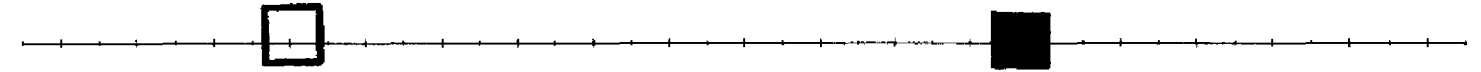
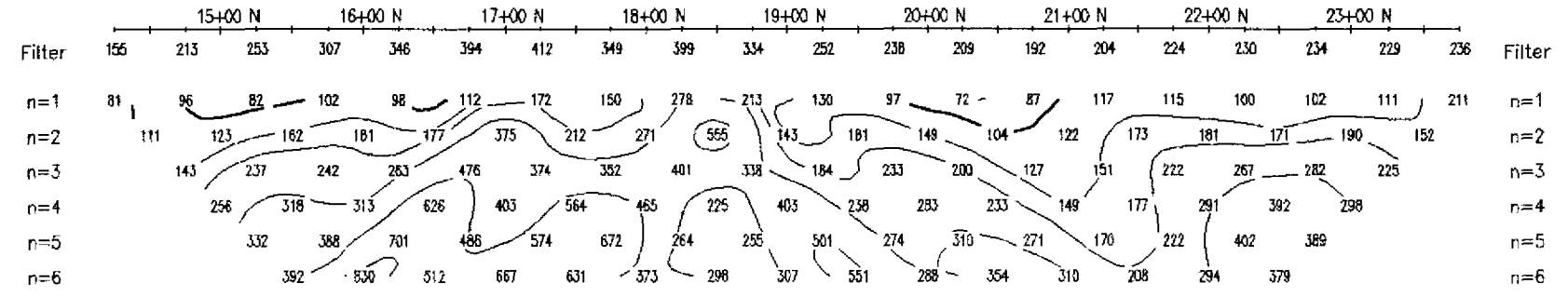
REMY BELANGER (GEOPHYSICAL CONTRACTOR)





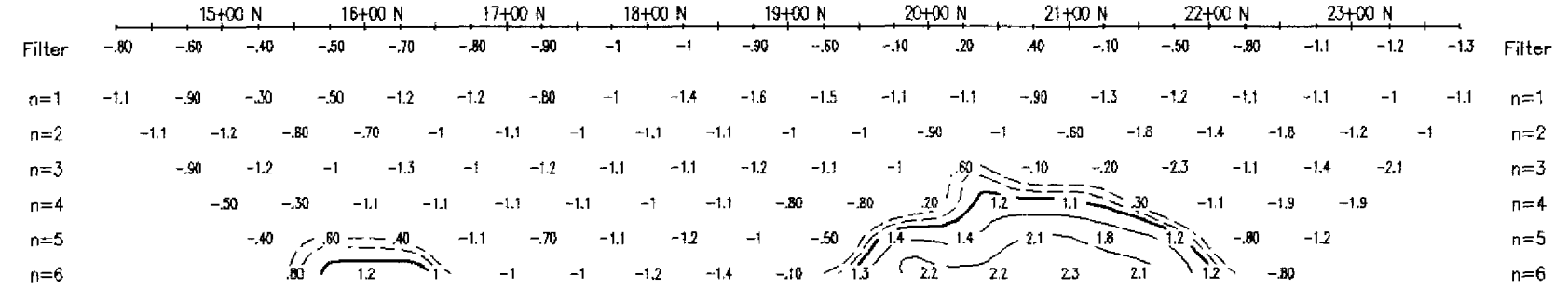
RESISTIVITY
OHM-METERS

RESISTIVITY
OHM-METERS



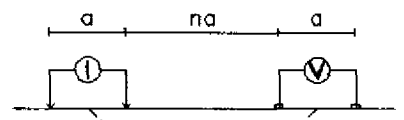
PHASE
MRAD

PHASE
MRAD



Line 9800 E

Dipole-Dipole Array



Filter
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a = 50.0 M

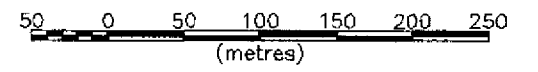
plot point

Logarithmic
Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- ▣ Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000



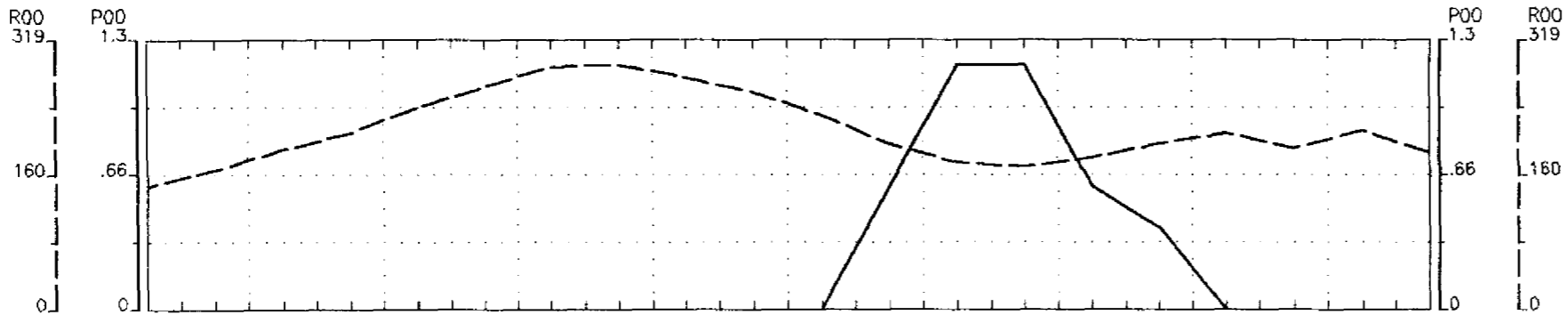
BARRICK GOLD CORPORATION

**INDUCED POLARIZATION SURVEY
HOLT - MC DERMOTT PROJECT
HARKER & HOLLOWAY TWPS - ONTARIO**

Date: 97/07/26
Interpretation: GERARD LAMBERT (V-5 PHOENIX RX)

REMY BELANGER (GEOPHYSICAL CONTRACTOR)

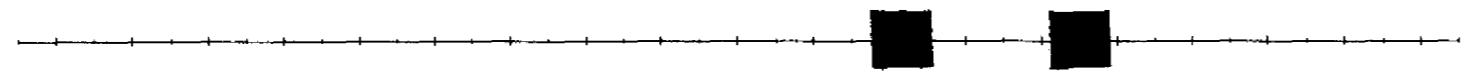
32D12SW2004 2.18543 HARKER 670



RESISTIVITY
OHM-METERS

RESISTIVITY
OHM-METERS

Filter	146	165	189	209	239	263	288	290	275	257	230	196	174	169	180	196	209	191	212	186	Filter
n=1	86	88	89	95	111	97	95	100	118	125	105	64	52	57	66	81	119	90	149	108	n=1
n=2	123	131	137	141	147	162	199	180	186	204	147	96	78	86	121	182	139	169	211		n=2
n=3		179	195	187	166	222	283	237	241	244	228	182	136	107	132	228	185	225	206		n=3
n=4			251	254	214	244	363	391	362	287	242	245	225	175	157	224	209	275	255		n=4
n=5				320	284	311	384	469	455	409	267	241	282	267	245	259	196	294	300		n=5
n=6					470	477	526	493	361	251	264	318	354	382	226	262	304				n=6



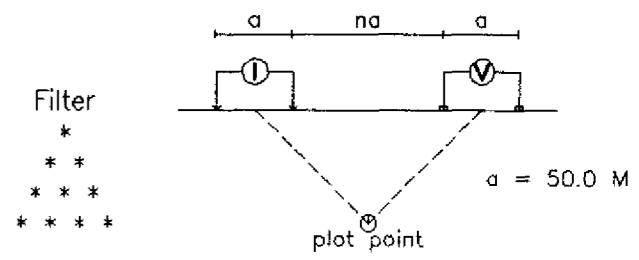
PHASE
MRAD

PHASE
MRAD

Filter	-1	-80	-80	-80	-80	-90	-90	-80	-60	-40	0	.60	1.2	1.2	.60	.40	0	-60	-90	-1	Filter
n=1	-1.2	-20	-20	-50	-70	-1.2	-1.1	-1.1	-1.1	-1.2	-1.6	-1.1	-1.1	-1.1	-1.1	-1.1	-1.2	-1.2	-1.2	-1.2	n=1
n=2		-70	-1.1	-1.2	-1.1	-1.3	-1.1	-1.1	-1.2	-1	-1.2	-1.2	-1.1	-1.2	-1	-1.3	-1.1	-1.3			n=2
n=3			-1.2	-1.2	-1	-1.1	-1	-1.2	-1.1	-90	-90	-1.4	-40	2.3	-80	-80	.50	-90	-1.1	-1.1	n=3
n=4				-1.1	-90	-1.2	-90	-1.2	-1	-1.2	-1.1	-1	1.3	2.7	50	1.8	2	-50	-3.2	-1.1	n=4
n=5					-70	-1	-90	-40	.20	-1	-80	-60	1.6	3.3	2.4	2.5	4.6	1.8	.10	-80	n=5
n=6							-20	.50	-90	-50	-90	2	3.4	3	4.5	6.5	2.7	2.2	.20		n=6

Line 9900 E

Dipole-Dipole Array

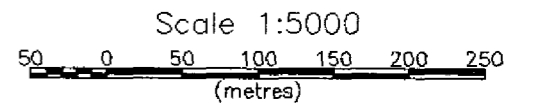


Filter
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* * *
* * * *

Logarithmic
Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- ▣ Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.



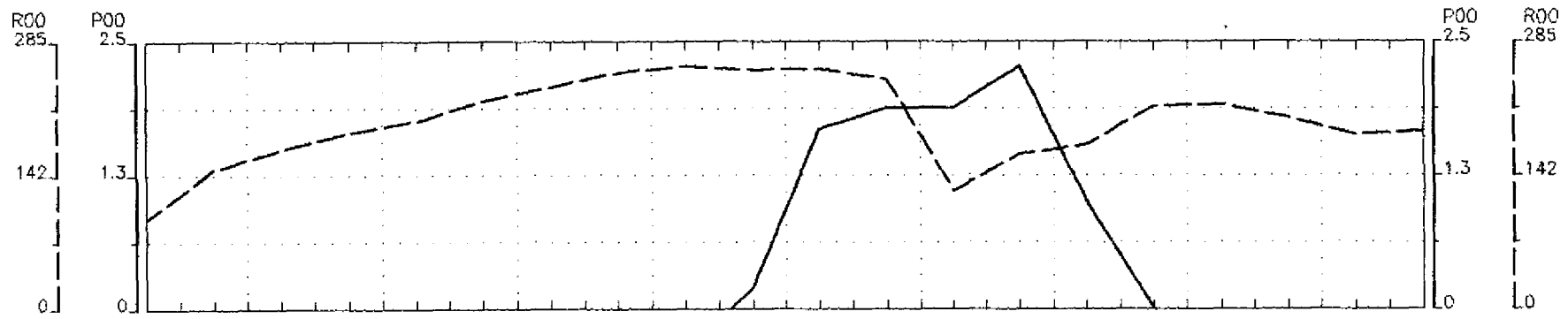
BARRICK GOLD CORPORATION

INDUCED POLARIZATION SURVEY
HOLT - MC DERMOTT PROJECT
HARKER & HOLLOWAY TWPS - ONTARIO

Date: 97/07/26
Interpretation: GERARD LAMBERT (V-5 PHOENIX RX)

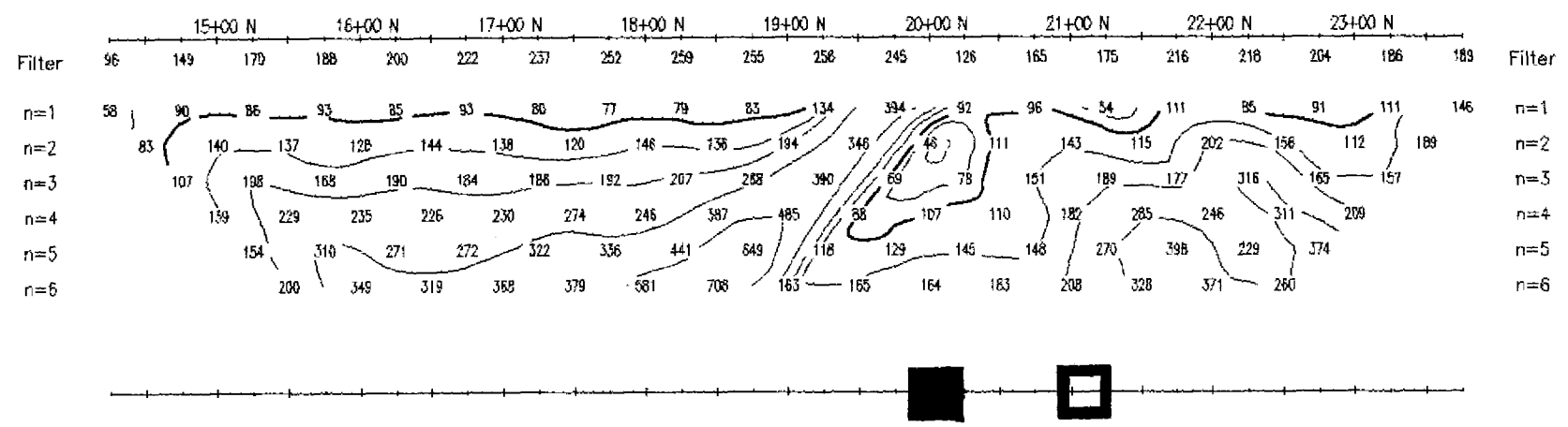
REMY BELANGER (GEOPHYSICAL CONTRACTOR)

680
 HARKER
 2.18543
 32D128W2004



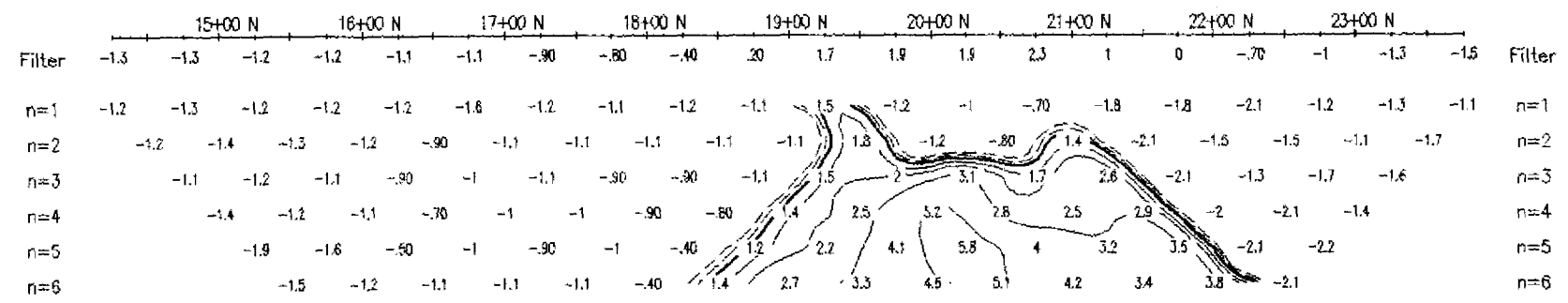
RESISTIVITY
OHM-METERS

RESISTIVITY
OHM-METERS



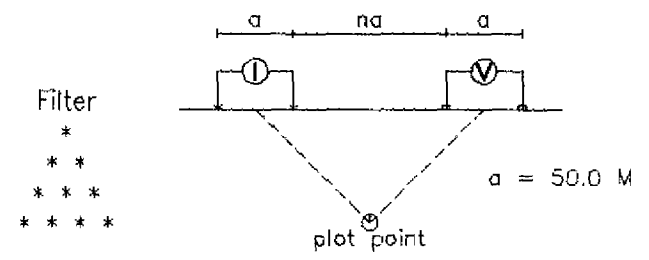
PHASE
MRAD

PHASE
MRAD



Line 10000 E

Dipole-Dipole Array

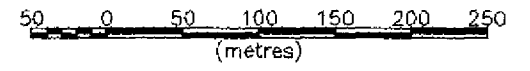


Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- ▣ Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000



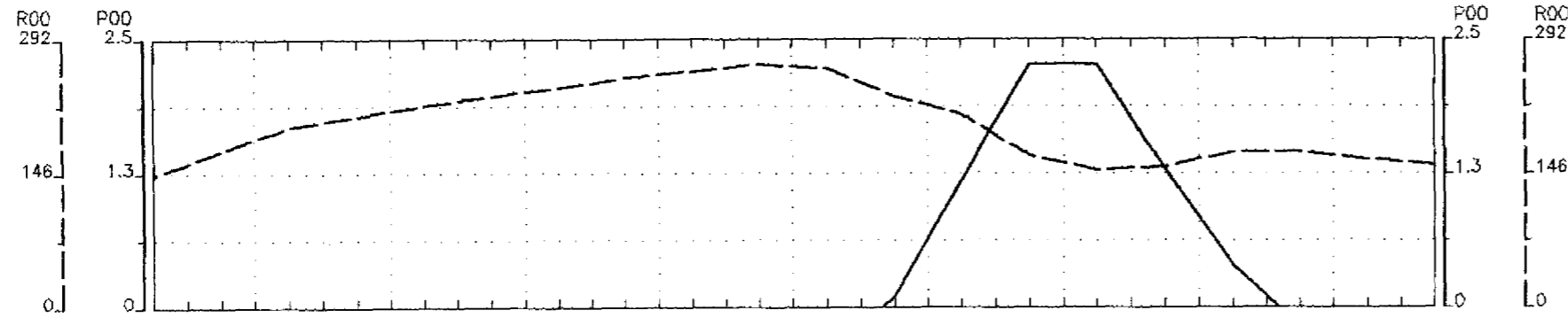
BARRICK GOLD CORPORATION

INDUCED POLARIZATION SURVEY
HOLT - MC DERMOTT PROJECT
HARKER & HOLLOWAY TWPS - ONTARIO

Date: 97/07/30
Interpretation: GERARD LAMBERT (V-5 PHOENIX RX)

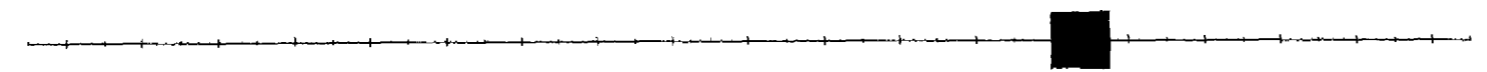
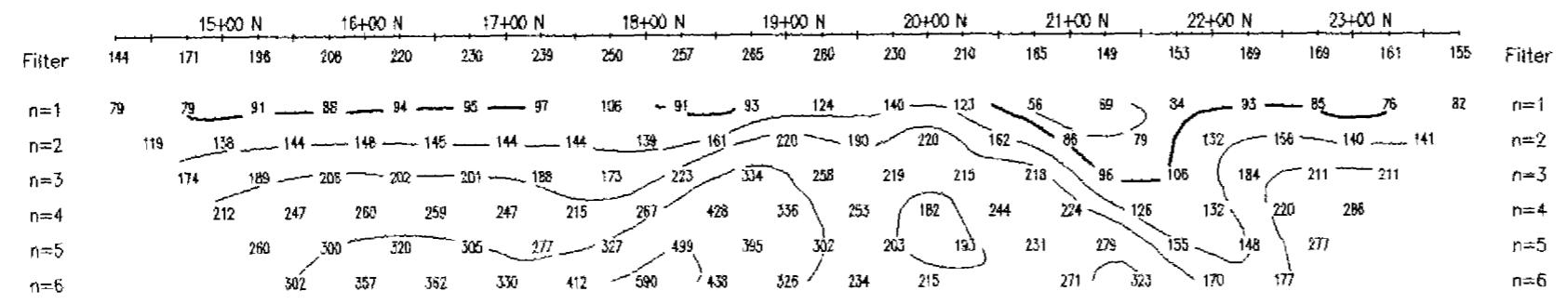
REMY BELANGER (GEOPHYSICAL CONTRACTOR)

32D12SN2004 2.18343 HARKER 690



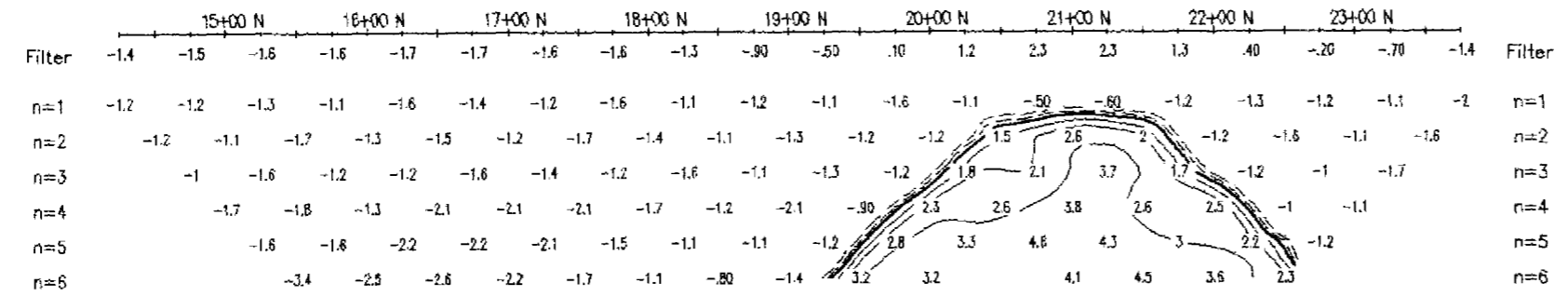
RESISTIVITY
OHM-METERS

RESISTIVITY
OHM-METERS



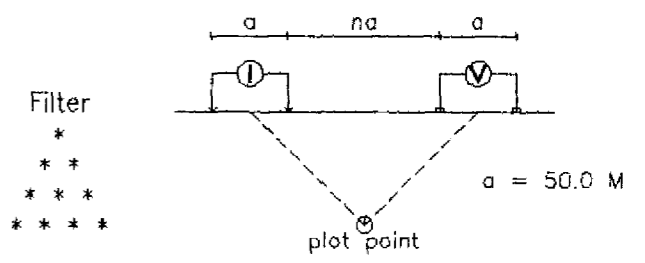
PHASE
MRAD

PHASE
MRAD



Line 10100 E

Dipole-Dipole Array



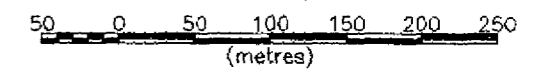
Filter
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Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- ▣ Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000



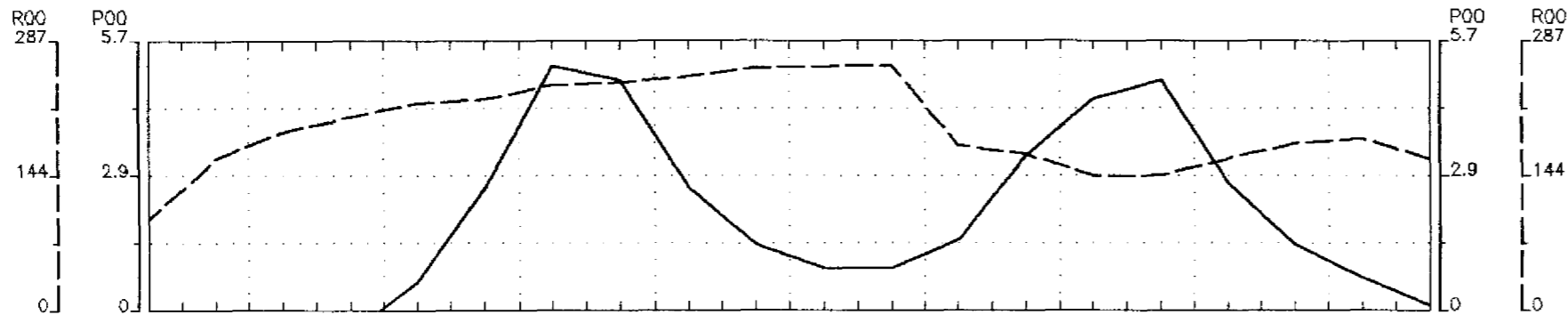
BARRICK GOLD CORPORATION

INDUCED POLARIZATION SURVEY
HOLT - MC DERMOTT PROJECT
HARKER & HOLLOWAY TWPS - ONTARIO

Date: 97/07/30
Interpretation: GERARD LAMBERT (V-5 PHOENIX RX)

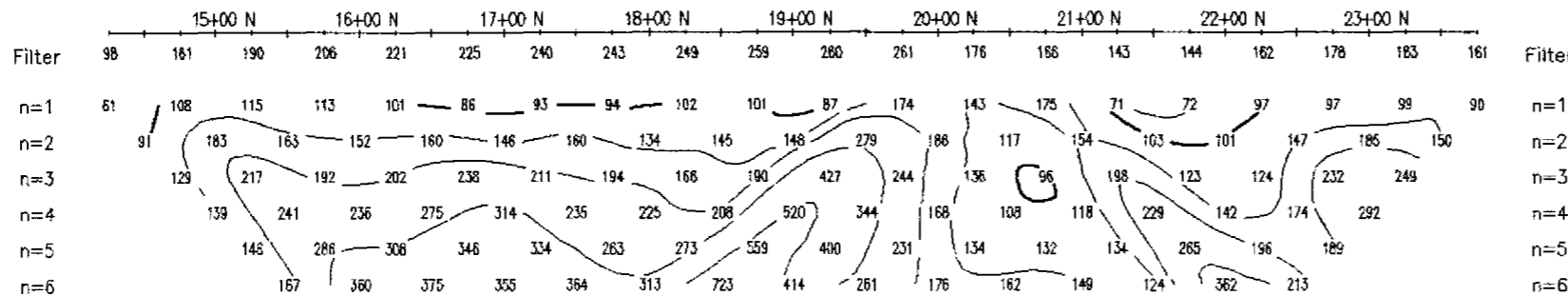
REMY BELANGER (GEOPHYSICAL CONTRACTOR)

32D12SW2004 2.18543 HARKER 700



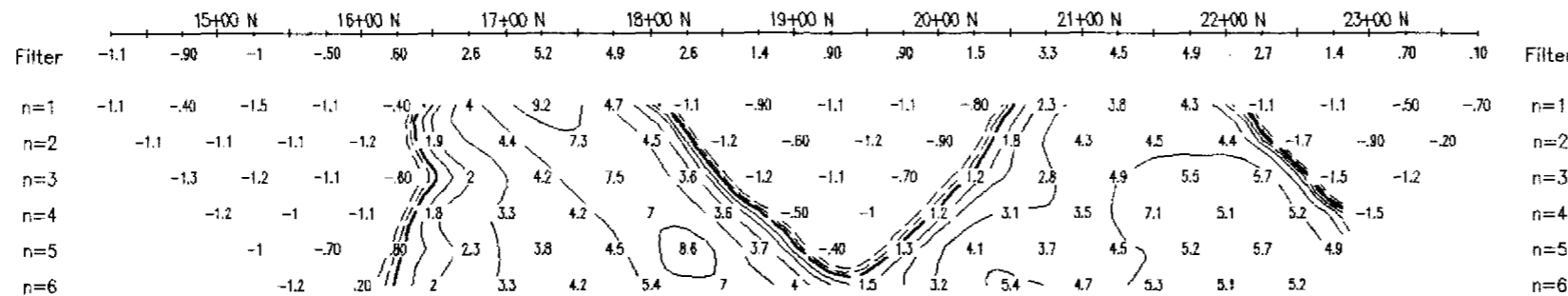
RESISTIVITY
OHM-METERS

RESISTIVITY
OHM-METERS

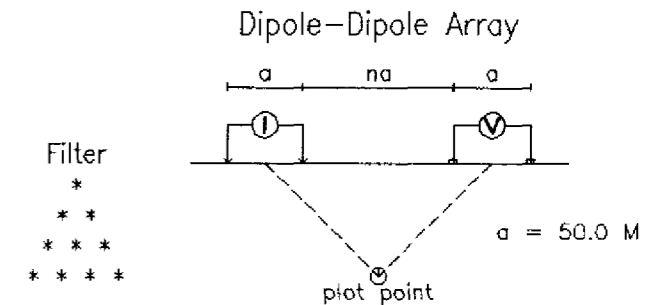


PHASE
MRAD

PHASE
MRAD



Line 10200 E

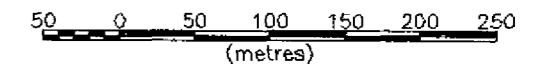


Logarithmic
Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- ▣ Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000



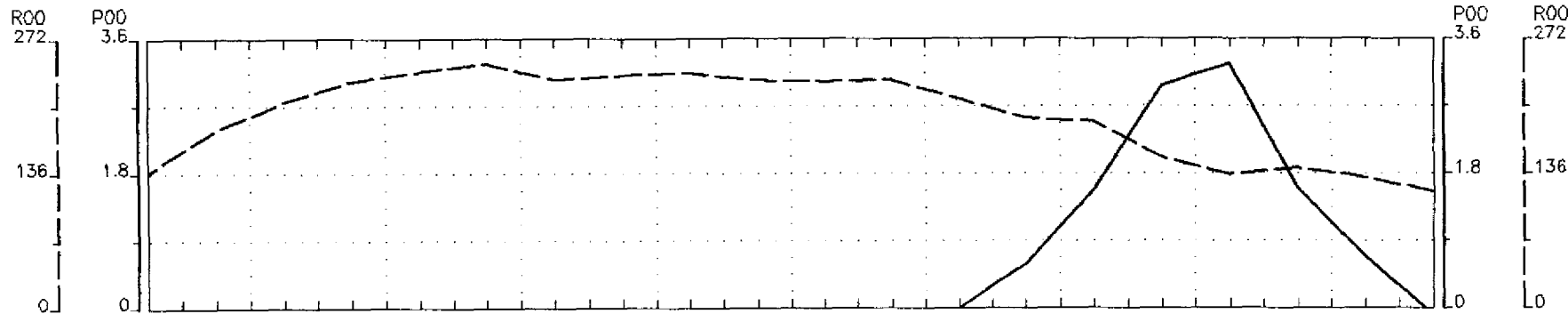
BARRICK GOLD CORPORATION

INDUCED POLARIZATION SURVEY
HOLT - MC DERMOTT PROJECT
HARKER & HOLLOWAY TWPS - ONTARIO

Date: 97/07/30
Interpretation: GERARD LAMBERT (V-5 PHOENIX RX)

REMY BELANGER (GEOPHYSICAL CONTRACTOR)

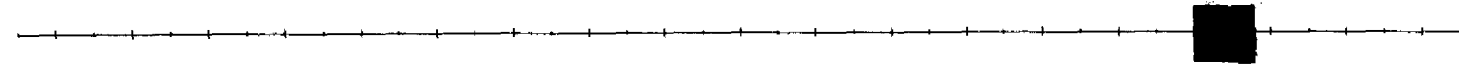




RESISTIVITY
OHM-METERS

RESISTIVITY
OHM-METERS

Filter	136	180	208	229	239	247	231	235	237	230	229	230	211	192	188	152	135	141	132	117	Filter
n=1	87	96	109	109	99	129	95	95	96	88	73	74	73	86	136	72	73	104	100	86	n=1
n=2	143	181	152	166	196	144	153	154	141	124	135	143	119	173	164	100	104	156	133		n=2
n=3		208	195	206	291	196	201	215	194	175	209	234	183	190	176	187	121	143	163		n=3
n=4		233	246	341	270	266	264	251	226	274	325	259	296	172	198	208	157	137			n=4
n=5			390	306	339	323	299	285	342	404	332	335	258	159	231	150	127				n=5
n=6				337	371	414	354	332	417	478	384		279	245	147	125					n=6



PHASE
MRAD

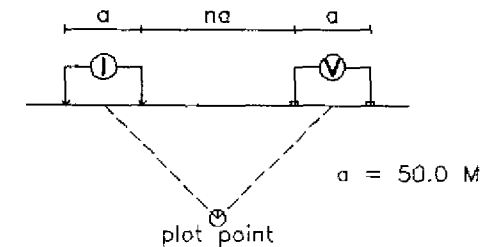
PHASE
MRAD

Filter	-90	-90	-1.3	-1.1	-1.3	-1.2	-1.1	-1	-1.80	-1.60	-1.30	-1.30	0	.60	1.6	3	3.3	1.6	.70	-10	Filter
n=1	-60	-30	-1	-30	-1.2	-70	-80	-20	-90	-1.2	-80	-50	-50	-1	-1.7	.50	1.3	-1.6	-1	-1.2	n=1
n=2		-50	-1.1	-1.2	-1.1	-1	-1.1	-1.3	-1.1	-30	-40	-40	-70	-1.6	.80	2.8	1.3	-1.1	-1.1		n=2
n=3			-2	-1.1	-1.2	-1.6	-1.2	-1.1	-1.7	-1.1	-40	-40	-80	-1.1	-1.1	1.6	5.6	2.9	1.7	-1.1	n=3
n=4				-1.2	-1.4	-1.7	-1.3	-1.4	-1.5	-1.2	-20	-50	-40	-1.1	-1.1	1.8	5.2	5.3	4.1	1.9	n=4
n=5					-1.4	-1.4	-1.8	-1.4	-1.6	-20	.70	-30	-80	-1.2	2.3	5.6	5.9	4.6	3.8		n=5
n=6						-1.3	-1.4	-1.4	-1.2	-20	.80	.40	-30		2.7	5.5	5.2	4.5			n=6

Line 10300 E

Dipole-Dipole Array

Filter
*
* *
* * *
* * * *



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- ▣ Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000



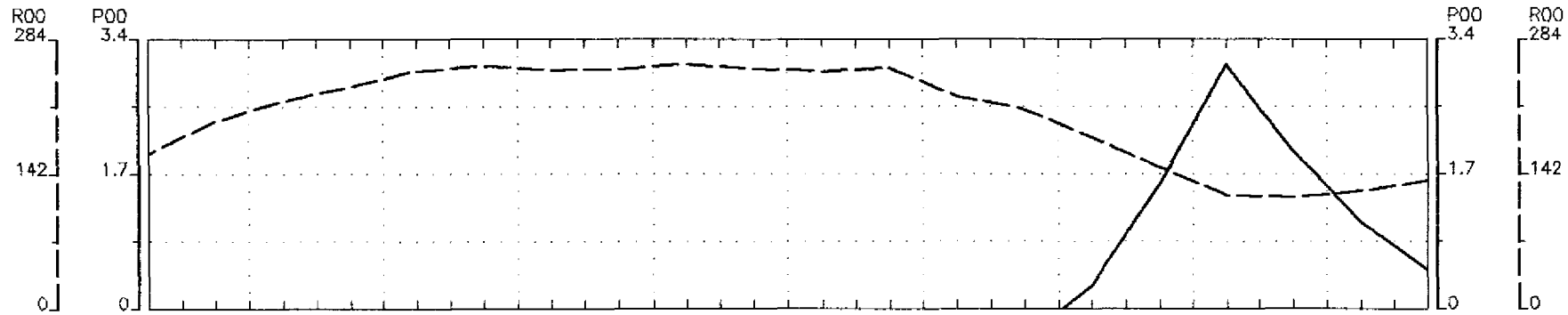
BARRICK GOLD CORPORATION

INDUCED POLARIZATION SURVEY
HOLT - MC DERMOTT PROJECT
HARKER & HOLLOWAY TWPS - ONTARIO

Date: 97/07/30
Interpretation: GERARD LAMBERT (V-5 PHOENIX RX)

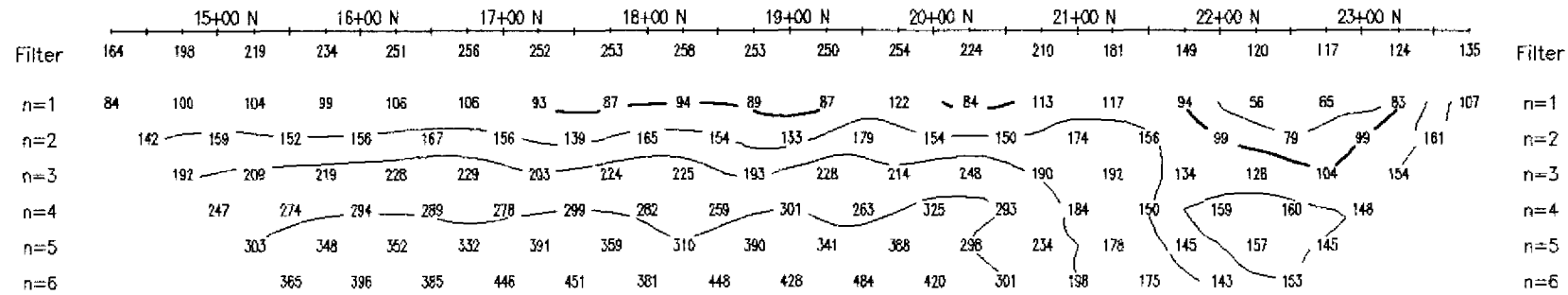
REMY BELANGER (GEOPHYSICAL CONTRACTOR)





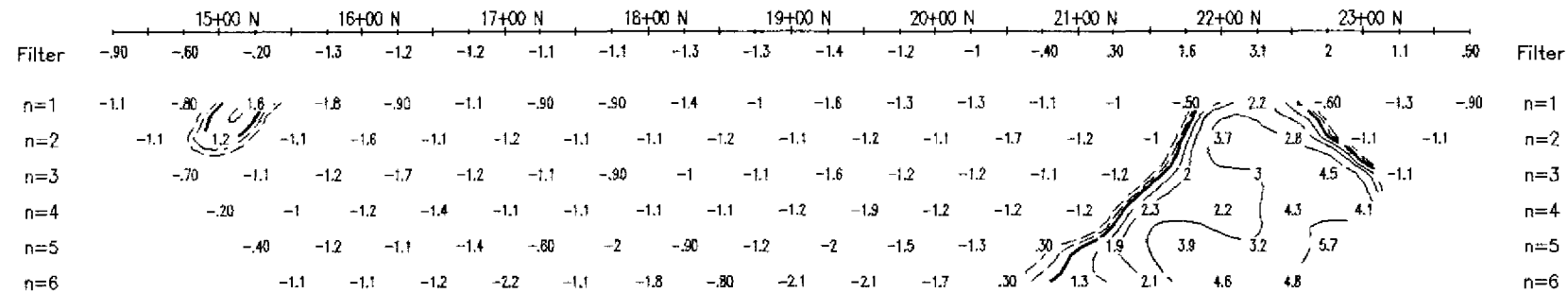
RESISTIVITY
OHM-METERS

RESISTIVITY
OHM-METERS

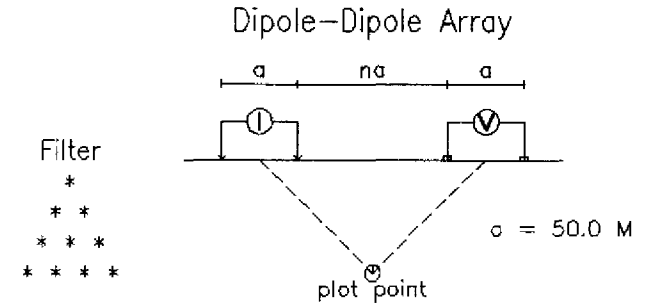


PHASE
MRAD

PHASE
MRAD



Line 10400 E

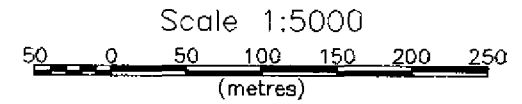


Filter * * * * *

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- ▣ Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.



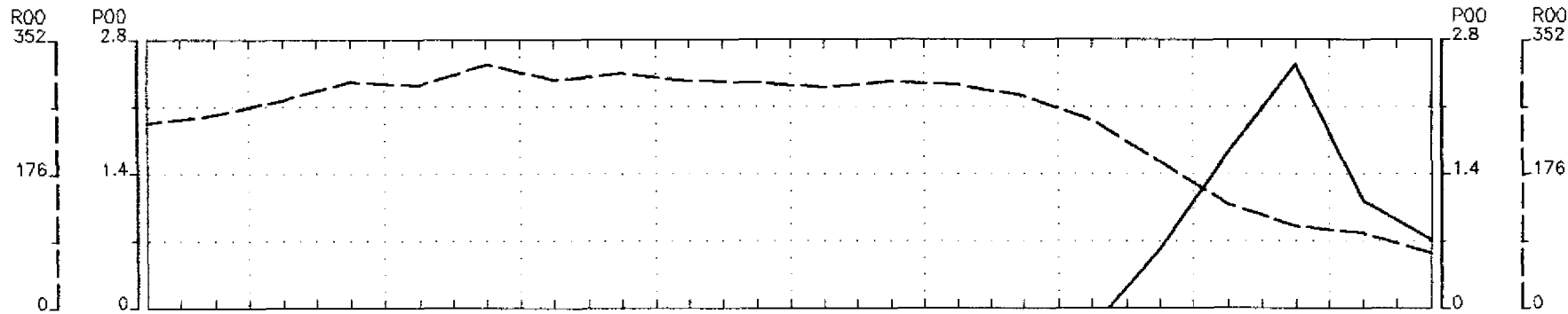
BARRICK GOLD CORPORATION

INDUCED POLARIZATION SURVEY
HOLT - MC DERMOTT PROJECT
HARKER & HOLLOWAY TWPS - ONTARIO

Date: 97/07/30
interpretation: GERARD LAMBERT (V-5 PHOENIX RX)

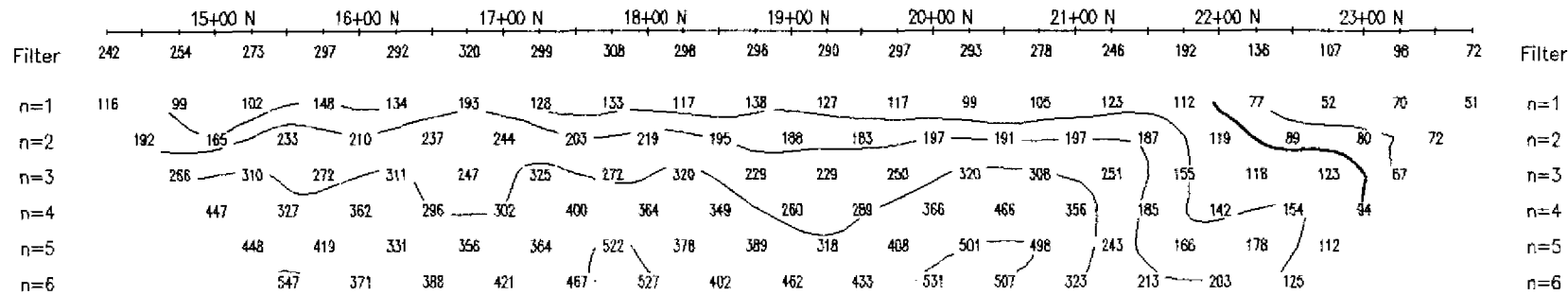
REMY BELANGER (GEOPHYSICAL CONTRACTOR)

730
 HARKER
 2.18543
 32D128W2004



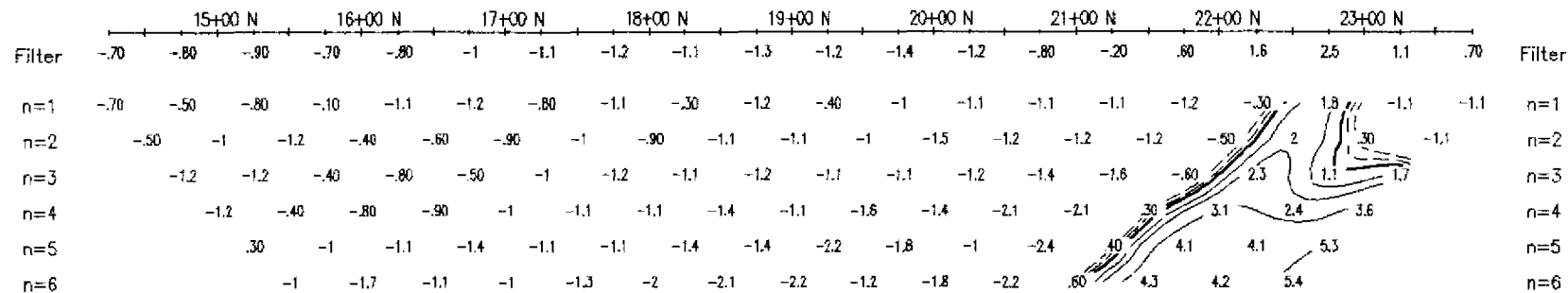
RESISTIVITY
OHM-METERS

RESISTIVITY
OHM-METERS



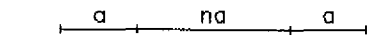
PHASE
MRAD

PHASE
MRAD



Line 10500 E

Dipole-Dipole Array



Filter
*
* *
* * *
* * * *

plot point

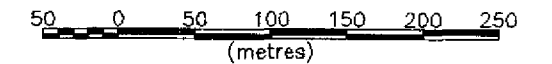
a = 50.0 M

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Strong increase in polarization accompanied by marked decrease in resistivity.
- ▣ Well defined increase in polarization without marked resistivity decrease.
- Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000



BARRICK GOLD CORPORATION

INDUCED POLARIZATION SURVEY
HOLT - MC DERMOTT PROJECT
HARKER & HOLLOWAY TWPS - ONTARIO

Date: 97/07/30
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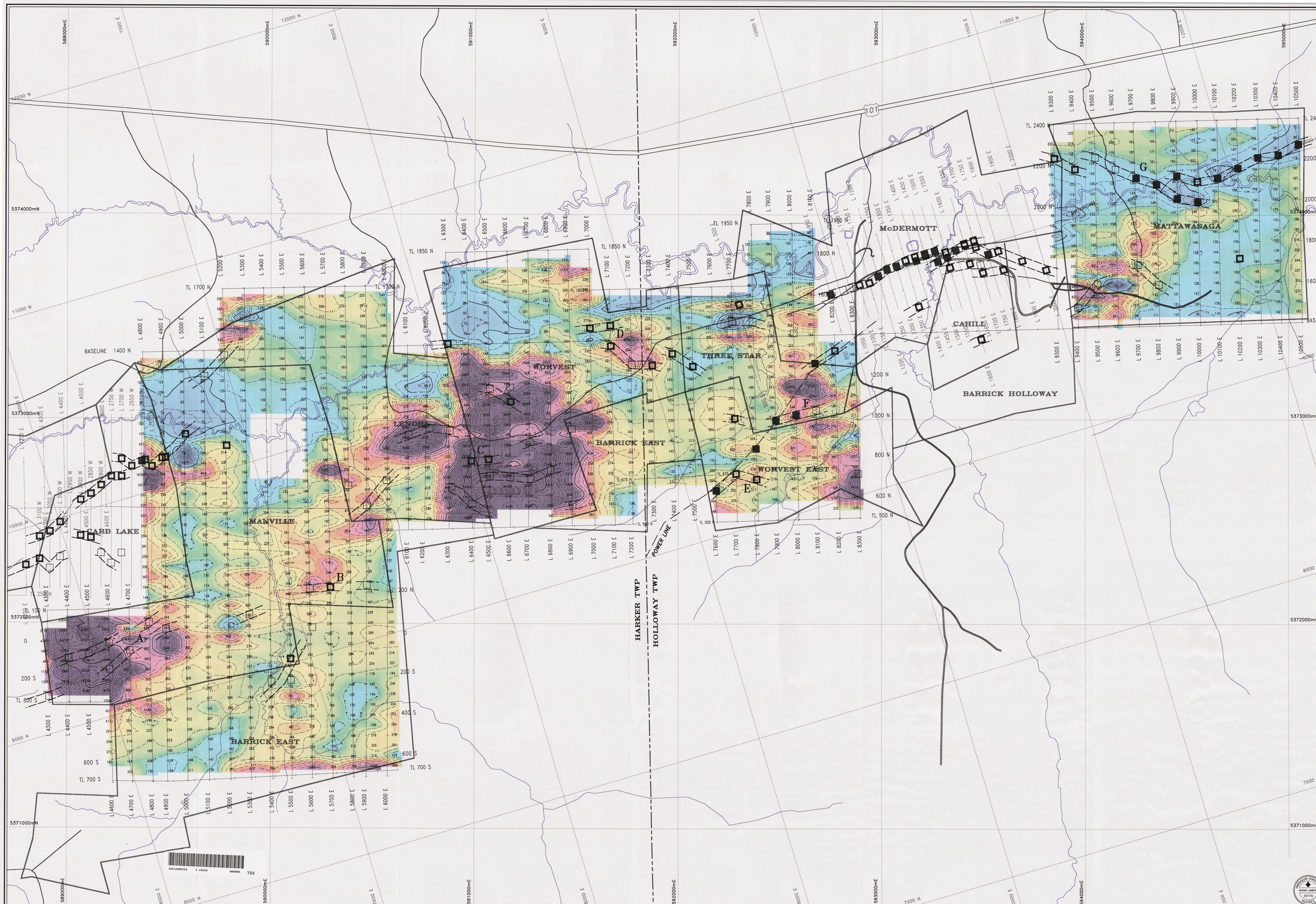
REMY BELANGER (GEOPHYSICAL CONTRACTOR)



740

HARKER

32D12SW2004 2.19543



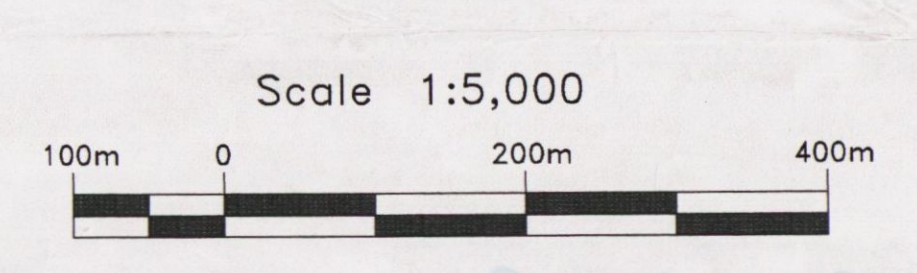
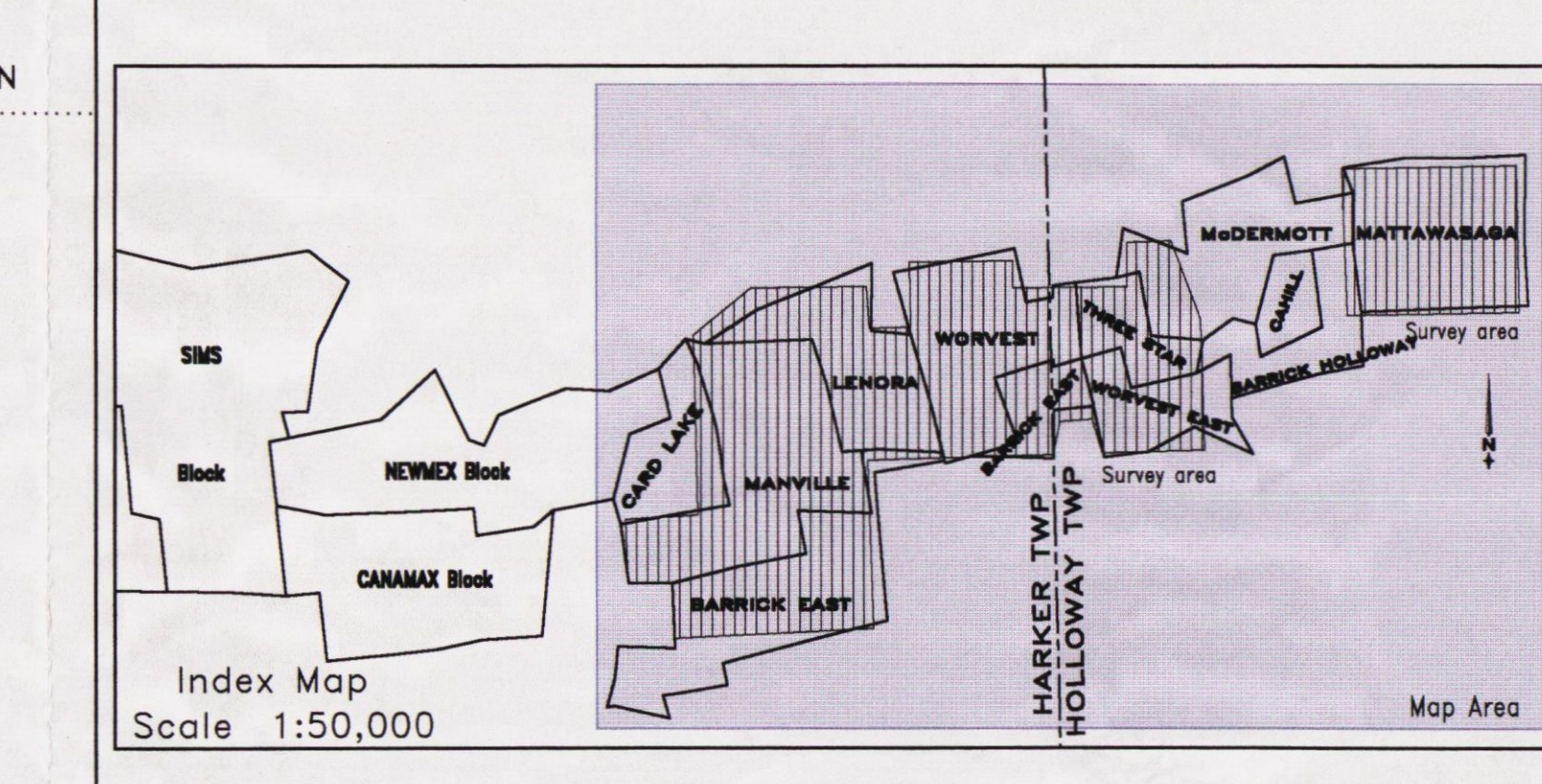
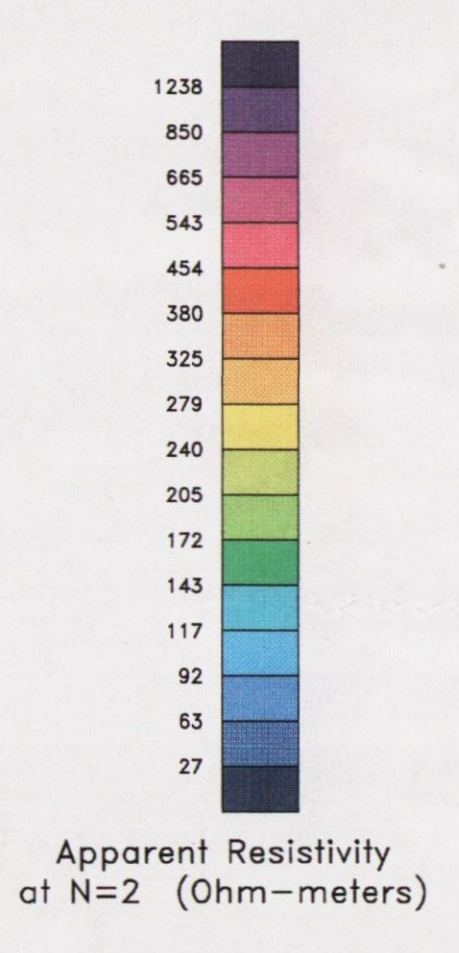
LEGEND

DIPOLE-DIPOLE ARRAY

Instrument: Phoenix PT-1 Tx, Turbo V-5 Rx
 Frequency: 1.2 Hz
 Operator: Barry Bélanger

INTERPRETATION

- Polarization increase accompanied by a significant decrease of the apparent resistivity. Semi-continuous graphite, graphite, normally will cause a conductor on an L.L. survey such as shown on map.
- Polarization increase without any significant decrease of the apparent resistivity. Discontinuity to stringer to semi-continuous graphite, sometimes may indicate, due to contact problems, weathered, fractured, or fractured zones.
- Poorly defined polarization increase with no apparent resistivity signature. Small quantities of graphite, narrow unfractured veins, sometimes may indicate, due to contact problems, weathered, fractured or fractured zones.



BARRICK GOLD CORPORATION
 (Eastern Canada Exploration)

HOLT McDERMOTT PROJECT
 Induced Polarization Surveys
 Contours of the apparent resistivity

Data processing and interpretation by
 G. Lambert, P.Eng.

PROJECT NO. 601
 TOWNSHIPS Harker & Holloway, Ont.
 N.T.S. 32 D/5, 32 D/12
 SCALE 1:5,000
 UTM coordinates, NAD-27

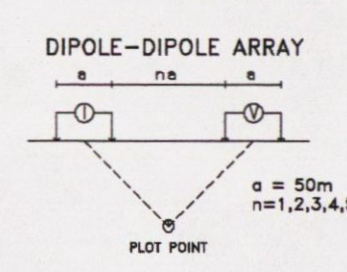
LAMBERT GEOSCIENCES LTD.
 December 1997

I.P. Surveys by Rémy Bélanger





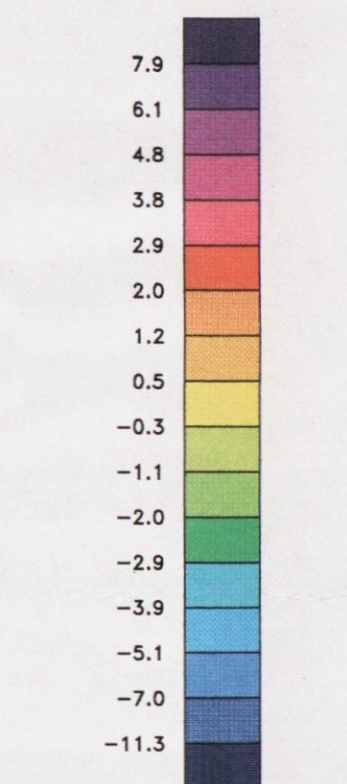
LEGEND



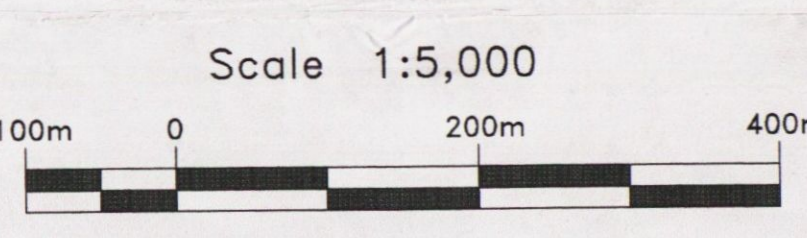
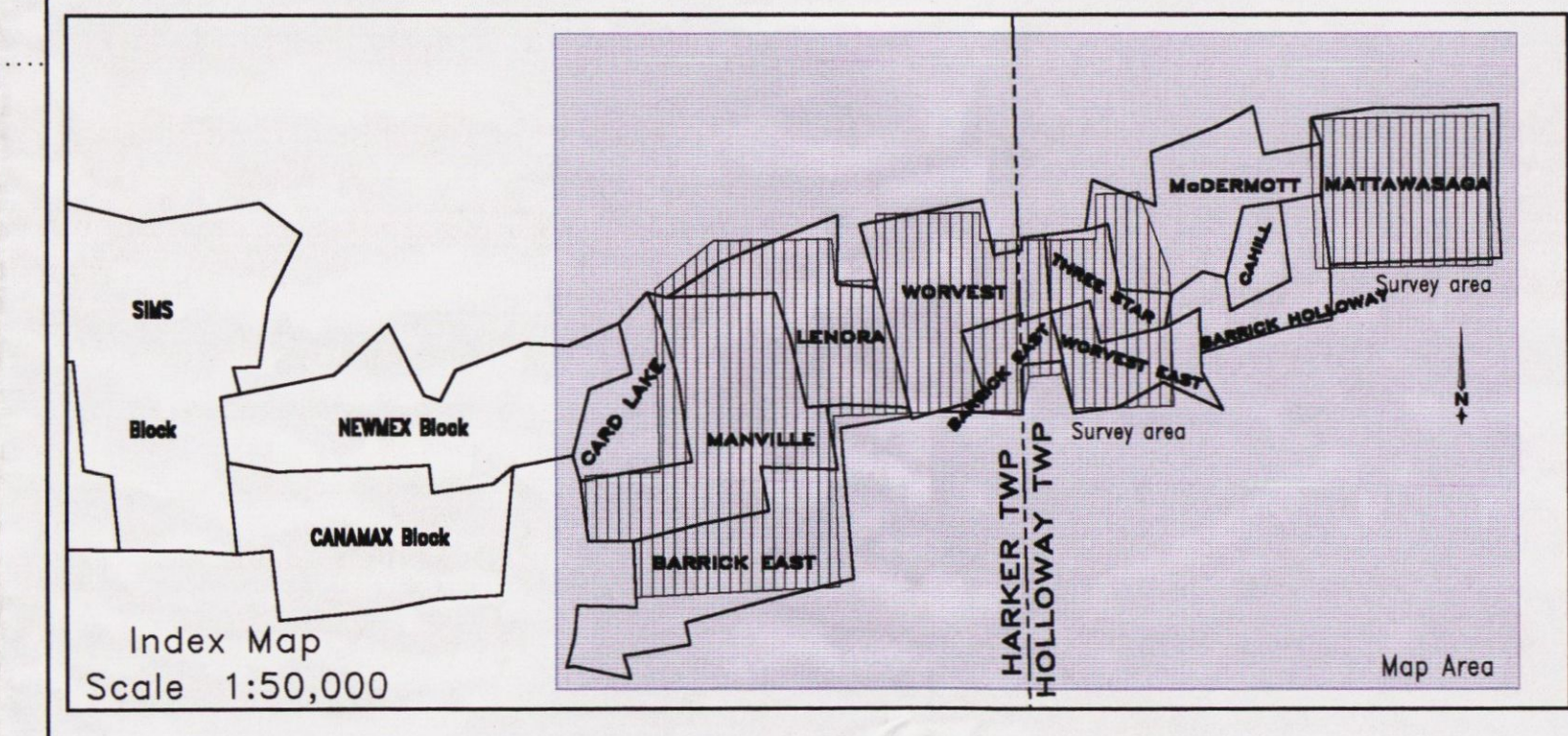
Instruments: Phoenix 9T-1 Tx, Turbo V-5 Rx
 Frequency: 0.25 Hz
 Operator: Rémy Béanger

INTERPRETATION

- Polarisation increase accompanied by a significant decrease of the apparent resistivity. Characterised by the change to semi-resistive, sulphides, disseminated graphite, apatite-rich sulphides. Also shales, pyritic structures, metallic minerals, massive magnetite, massive arsenic.
- Polarisation increase without any significant decrease of the apparent resistivity. Characterised by the change to semi-resistive, sulphides, disseminated graphite, apatite-rich sulphides. Also shales, pyritic structures, metallic minerals, massive magnetite, massive arsenic.
- Poorly defined polarisation increase with no apparent resistivity signature. Small quantities of sulphides, narrow mineralised veins, sometimes silty sandstone, due to contact problems, anastomosing, clay or anastomosing veins.



Phase (I.P. effect) at N=2 (milliradians)



BARRICK **BARRICK GOLD CORPORATION**
 (Eastern Canada Exploration)

HOLT McDERMOTT PROJECT
 Induced Polarization Surveys

Contours of the Phase (I.P. effect)

Data processing and interpretation by
 G. Lambert, P. Eng.

PROJECT NO. 601
 TOWNSHIPS Harker & Holloway, Ont.
 N.T.S. 32 D/5, 32 D/12
 SCALE 1:5,000
 UTM coordinates, NAD-27

LAMBERT GEOSCIENCES LTD.
 December 1997

I.P. Surveys by Rémy Béanger

