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SML 98

RADIUM HILL COPPER PROSPECT

PROGRESS AND TECHNICAL REPORTS FOR THE PERIOD 1/12/65 TO 30/11/67

Submitted by

Electro-winning Pty Ltd 1966

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REPORT

on the

RADIUM HILL COPPER PROSPECT

SOUTH AUSTRALIA

for

ELECTRO-WINNING (PTY) LIMITED

by

D.L. SEYMOUR

(Consultant Geologist)

INTRODUCTION

Electro-Winning (Pty) Limited presently hold Special Mining Lease No. 98 over an area of 6.25 square miles in the Olary District of South Australia. At the request of Mr Peter Taylor, the area was visited by the author. This report deals with the observations made and impressions gained during the brief inspection of the copper prospect which lies within the S.M.L. Recent geophysical and geochemical surveys are described and the results discussed.

LOCATION AND ACCESS

Special Mining Lease No. 98 is located in the north-eastern portion of South Australia, about three miles west of the abandoned mining town of Radium Hill. Radium Hill is 286 miles by road or 220 miles by air northeast of Adelaide. Broken Hill lies about 60 miles to the east-northeast.

Access to the area is excellent, all but the last two miles being over graded roads. There is an airstrip suitable for light aircraft at Radium Hill. A railway spur line (standard guage) joins Radium Hill to the Broken Hill/Adelaide line at Cutana.

GEOLOGY

General

The copper prespect consists basically of four shafts and numerous trenches and shallow pits spread out over a distance of at least 2,500 feet. The old workings go under the names of Mildatic Copper and Silver Mine and the Dalkey Mine, and have not been worked since well before the turn of the century. The old miners were obviously attracted to this location by two paralled 12-15 inch wide lodes of quartz, malachite, cuprite and limonite with the occasional bleb of chalcopyrite. The lodes cut across the strike of the country rocks in a north-northeast direction (Q250N). One is well exposed in a small inclined shaft near the southern end of the line of workings.

Local geology

The country rocks are mainly hard, dark grey, fine-grained, finely laminated, micaceous sandstones to siltstones of the Upper Proterozoic. There are admirally numerous beds of dark-grey, smoother weathering, impure limestones to calcareous siltstones among the generally non-carbonate sedimentary sequence.

A thick succession of tillites occurs less than 1000 feet

to the north and northwest of the main shaft at the northern end of the line of workings. These dark greenish-grey tillites contain countless boulders, cobbles and pebbles composed of a variety of predominately acidic igeous rock types, many of which are now strewn over the surface giving the false impression that the country is underlain by an igeous complex.

Diorite is reported in the Record of Mines review of the Mildaltie Mine, but none was observed. However, there is some doubt in the author's mind as to whether or not these workings are, in fact, the Mildaltie. There is a possibility that they are the Dalkey Mine and that the small lead working recently located farther to the northeast is the Mildaltie.

Structure

The strike of the local sediments is fairly consistently 115° to 125°M, but the rapidly changing dips point to the existence of a series of folds which plunge to the east-southeast. At the southern shafts the dip is 53° to 64° to the northeast whereas, 2000 feet across strike at the northern shafts, the dip is 68° to the southwest. It appears that the northern shafts lie near the crest of the anticline with an adjacent syncline between the northern and southern groups of shafts. However, the

highly contorted state of these sediments combined with several prominent fracture directions and a strong cleavage development often renders accurate attitude measurements difficult.

The most prominent fracture direction is north-northeast (same as the narrow lodes), and it is notable that the mapped occurrences of "porphyry" on the Olary Province geological map also trend in this direction. The airphoto enlargement of the area shows a strong lineament trending in the above direction and passing under or very close to the old workings.

<u>Mineralization</u>

At the southern group of shafts the dumps are composed almost entirely of weathered micaceous siltstones in which fine-grained limonitic specks and very then, bedded lenses of limonitic material strongly suggest the removal by leaching of both disseminated and bedded sulphides. At the northeastern shafts, one of which reportedly reached a depth of 140 feet, absolutely fresh siltstones and fine-grained quartzites can be found on the dump. This unoxidised material contains fine-grained sulphides (pyrite, pyrrhotite and chalcopyrite) distributed along bedding planes in addition to what appear to be fracture

fillings of coarser chalcopyrite. The copper content of the better specimens averages about 2%. This material appears to have been some of the last rock mined from the shafts.

Outcrops of siltstone in a dry river bed beside the northern shafts and some 1200 feet to the northwest show signs of having carried disseminated mineralization but lack evidence of the fracture filling type of copper mineralization observed on the dumps.

GEOPHYSICS

McPhar Geophysics was contracted to carry out a preliminary I.P. survey over the prospect. A baseline, bearing 025 M, was laid out to pass immediately to the east of the northern shafts. Three lines, 00, 10S and 20S, of 4,200 feet each were run at right angles off the baseline. Subsequently, two additional lines, 3W and 12W, were run in a direction parallel to the baseline. Electrode spread was 300 feet throughout.

Line 00 detected a strong anomaly 300 feet wide over the old shafts. The anomaly tends to shift westwards at depth. At the extreme western end of this line, the metal factor values increase markedly again and leave an open anomaly.

Line 10S and 20S both showed rather weak anomalies. These two anomalies, together with that which was detected at the northern shafts, tend to line up in a direction roughly parallel with the strike of the narrow lodes and with the strong lineament on the airphotos.

The anomaly on line 3W is at least 600 feet wide and it is interesting to note how the strength of the anomaly increases to a maximum at the deepest level of I.P. penetration. Line 12W detected an anomalous zone as much as 1,100 feet wide, although the strongest section occurs beneath 3S and drops off very sharply to the south, suggesting a change in rock type, or certainly a change from metalliferous horizon to a/metalliferous one.

At the moment the geophysical picture is far from complete, but, nonetheless, very encouraging and interesting. The strong anomalies on lines 12W, 3W and 00 definitely are of sufficient merit to warrant additional I.P. work so as to clarify the incomplete picture outlined by the five lines to date.

GEOCHEMISTRY

Dr. P.R. Donovan, Chief Geochemist of McPhar Geophysics,

supervised the collection of a suite of 63 soil samples to form the basis of a geochemical orientation survey.

Line 00 was sampled at 150 foot intervals from 21E to 21W (29 samples). Line 12W was sampled at 100 foot intervals from 11N to 9S (21 samples). The remaining samples (13) were collected from a line run across the possible southwestern extension of the narrow copper lode observed in the inclined shaft.

Much of this area is covered by a thin blanket of outwash sand and gravel which would necessitate the use of an auger for the collection of soil samples at or near bedrock. Suboutcrops are usually incompletely coated with a thin layer of caliche. However, other portions of the area, particularly immediately to the west of the northern shafts, are free of transported overburden and the thin cover of juvenile residual soil developed over the bedrock should lend itself very well to geochemical soil surveys.

The total copper, lead and zinc analyses are expected shortly and should be of some help in evaluating the geophysical anomalies, providing, of course, that the copper mineralization was originally exposed at surface before being largely removed by leaching.

Conclusions

- 1. The northern shafts, sunk on a narrow, high grade lode, intersected promising copper mineralization in the siltstone/quartzite country rocks at depth.
- 2. The mineralization in these sediments seems to be of a bedded type and probably is syngenetic, rather than epigenetic, in origin.
- 3. The recent I.P. survey detected strong anomalies at and to the west of the main shaft and weaker anomalies to the south.
- 4. No estimate of the extent or grade of the copper mineralization can be made without considerable additional fieldwork.

Recommendations

- 1. With the help of aerial photos, the geology of the S.M.L. should be examined and mapped in sufficient detail to give help in the interpretation of geophysical and/or geochemical anomalies.
- Additional I.P. lines should run at 12E, 7E, 2E,
 7W, 17W and 22W in an attempt to outline better
 the anomalous area.
- 3. Providing the orientation survey results are favourable, soil sampling should be carried out over the above I.P. lines, in addition to line 3W.

4. The combination of additional geophysics and geochemistry should result in the delineation of drill targets and diamond drilling to vertical depths of at least 600 feet is recommended.

D.L. SEYMOUR B.Se., M.Sc. (Consultant Geologist)

ADELAIDE S.A.

14th MARCH 1966

568 * REPORT ON THE INDUCED POLARIZATION AND RESISTIVITY TEST SURVEY ON THE RADIUM HILL COPPER PROSPECT OLARY AREA, SOUTH AUSTRALIA FOR ELECTROWINNING PTY. LTD.

NOTES ON THE THEORY OF INDUCED POLARIZATION AND THE METHOD OF FIELD OPERATION

Induced Polarization as a geophysical measurement refers to the blocking action or polarization of metallic or electronic conductors in a medium of ionic solution conduction.

This electro-chemical phenomenon occurs wherever electrical current is passed through an area which contains metallic minerals such as base metal sulphides. Normally, when current is passed through the ground, as in resistivity measurements, all of the conduction takes place through ions present in the water content of the rock, or soil, i.e. by ionic conduction. This is because almost all minerals have a much higher specific resistivity than ground water.

The group of minerals commonly described as "metallic", however, have specific resistivities much lower than ground waters. The induced polarization effect takes place at those interfaces where the mode of conduction changes from ionic in the solutions filling the interstices of the rock to electronic in the metallic minerals present in the rock.

The blocking action or induced polarization mentioned above, which depends upon the chemical energies necessary to allow the ions to give up or receive electrons from the metallic surface, increases with the time that a d.c. current is allowed to flow through

the rock; i. e. as ions pile up against the metallic interface the resistance to current flow increases. Eventually, there is enough polarization in the form of excess ions at the interfaces to effectively stop all current flow through the metallic particle. This polarization takes place at each of the infinite number of solution-metal interfaces in a mineralized rock.

When the d.c. voltage used to create this d.c. current
flow is cut off, the Coulomb forces between the charged ions forming
the polarization cause them to return to their normal position. This
movement of charge creates a small current flow which can be
measured on the surface of the ground as a decaying potential difference.

From an alternate viewpoint it can be seen that if the direction of the current through the system is reversed repeatedly before the polarization occurs, the effective resistivity of the system as a whole will change as the frequency of the switching is changed. This is a consequence of the fact that the amount of current flowing through each metallic interface depends upon the length of time that current has been passing through it in one direction.

The values of the "metal factor" or "M. F." are a measure of the amount of polarization present in the rock mass being surveyed.

This parameter has been found to be very successful in mapping areas of sulphide mineralization, even those in which all other geophysical methods have been unsuccessful. The induced polarization measurement is more sensitive to sulphide content than other electrical measurements.

because it is much more dependent upon the sulphide content. As the sulphide content of a rock is increased, the "metal factor" of the rock increases much more rapidly than the resistivity decreases.

Because of this increased sensitivity, it is possible to locate and outline zones of less than 10% sulphides that can't be located by E. M. Methods. The method has been successful in locating the disseminated "porphyry copper" type mineralization in the Southwestern United States.

Measurements and experiments also indicate that it should be possible to locate most massive sulphide bodies at a greater depth with induced polarization than with E. M.

Since there is no I. P. effect from any conductor unless it is metallic, the method is useful in checking E. M. anomalies that are suspected of being due to water filled shear zones or other ionic conductors. There is also no effect from conductive overburden, which frequently confuses E. M. results. It would appear from scale model experiments and calculations that the apparent metal-factors measured over a mineralized zone are larger if the material overlying the zone is of low resistivity.

Apropos of this, it should be stated that the induced polarization measurements indicate the total amount of metallic constituents in the rock. Thus all of the metallic minerals in the rock, such as pyrite, as well as the ore minerals chalcopyrite, chalcocite, galena, etc. are responsible for the induced polarization effect. Some

oxides such as magnetite, pyrolusite, chromite, and some forms of hematite also conduct by electrons and are metallic. All of the metallic minerals in the rock will contribute to the induced polarization effect measured on the surface.

In the field procedure, measurements on the surface are made in a way that allows the effects of lateral changes in the properties of the ground to be separated from the effects of vertical changes in the properties. Current is applied to the ground at two points a distance (X) apart. The potentials are measured at two other points (X) feet apart, in line with the current electrodes. The distance between the nearest current and potential electrodes is an integer number (N) times the basic distance (X).

The measurements are made along a surveyed line, with a constant distance (NX) between the nearest current and potential electrodes. In most surveys, several traverses are made with various values of (N); i.e. (N) = 1, 2, 3, 4, etc. The kind of survey required (detailed or reconnaissance) decides the number of values of (N) used.

In plotting the results, the values of the apparent resistivity and the apparent metal factor measured for each set of electrode positions are plotted at the intersection of grid lines, one from the center point of the current electrodes and the other from the center point of the potential electrodes. The resistivity values are plotted above the line and the metal factor values below. The lateral displacement of a given value is determined by the location along the survey

line of the center point between the current and potential electrodes.

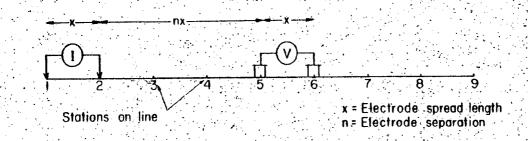
The distance of the value from the line is determined by the distance
(NX) between the current and potential electrodes when the measurement was made.

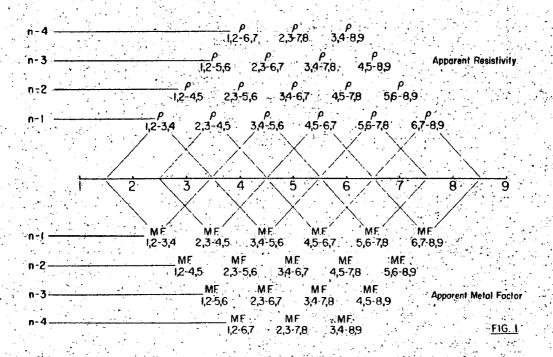
The separation between sender and receiver electrodes is only one factor which determines the depth to which the ground is being sampled in any particular measurement. These plots then, when contoured, are not section maps of the electrical properties of the ground under the survey line. The interpretation of the results from any given survey must be carried out using the combined experience gained from field, model and theoretical investigations. The position of the electrodes when anomalous values are measured must be used in the interpretation.

In the field procedure, the interval over which the potential differences are measured is the same as the interval over which the electrodes are moved after a series of potential readings has been made. One of the advantages of the induced polarization method is that the same equipment can be used for both detailed and reconnaissance surveys merely by changing the distance (X) over which the electrodes are moved each time. In the past, intervals have been used ranging from 100 feet to 1000 feet for (X). In each case, the decision as to the distance (X) and the values of (N) is largely determined by the expected size of the mineral deposit being sought, the size of the expected anomaly and the speed with which it is desired to progress.

The diagram in Figure 1 below demonstrates the method used in plotting the results. Each value of the apparent resistivity and the apparent "Metal factor" is plotted and identified by the position of the four electrodes when the measurement was made. It can be seen that the values measured for the larger values of (n) are plotted farther from the line indicating that the thickness of the layer of the earth that is being tested is greater than for the smaller values of (n); i.e. the depth of the measurement is increased.

METHOD USED IN PLOTTING DIPOLE-DIPOLE
INDUCED POLARIZATION AND RESISTIVITY RESULTS





McPHAR GEOPHYSICS LIMITED REPORT ON THE

0 21

INDUCED POLARIZATION

AND RESISTIVITY TEST SURVEY

ON THE

RADIUM HILL COPPER PROSPECT OLARY AREA, SOUTH AUSTRALIA

FOR

ELECTROWINNING PTY. LTD.

1. INTRODUCTION

At the request of Electrowinning Pty. Ltd., a test induced polarization survey has been carried out in the Olary Province of South Australia. The tests were made at, and around, the old Midaltie Copper-Silver Mine. The purpose of the test survey was to locate any unknown zones of metallic mineralization that might be present.

2. GEOLOGY

There is little geologic information available about the Midaltie Mine Area. Recently, a geologic examination by Mr. D. L. Seymour, geologic consultant for the Company, was carried out. He has made some observations in his report.

The exposed rocks in the vicinity of the workings are hard, dark grey to black, fine-grained, finely laminated, micaccous, somewhat calcareous sandstones and siltstones. The personel involved in the field

survey report definite igneous rock types to the north and northwest? but these rocks have not been mapped by a geologist.

The mineralization at the old workings has been traced over a strike length of at least 3,000 feet. The inclined shaft was worked to test a 15 inch wide lode of quartz, malachite, cuprite and limonite with some chalcopyrite. In some of the dumps over the 3,000 foot strike length of workings, the fresh rocks contain fine-grained sulphides (pyrite, pyrrhotite and chalcopyrite) distributed along bedding planes, as well as what appear to be fracture fillings of chalcopyrite. Other outcrops show signs of having carried disseminated mineralization.

The widespread evidence of mineralization, the quartz-lode material, the near-by intrusive rocks, all suggest the possible presence of metallic mineralization of economic interest. The IP test survey was carried out to determine the practicality of using the method to locate any unknown zones of mineralization that might be present.

3. PRESENTATION OF RESULTS

The induced polarization and resistivity results are shown on the following enclosed data plots. The results are plotted in the manner described in the notes preceding this report.

Line	0+00	30	0' electrode	intervals	Dwg.	IP 2401-1
Line	105	30	0' electrode	intervals	Dwg.	IP 2401-2
Line	205	30	0' electrode	intervals	Dwg.	IP 2401-3
Line	.3W	30	0' electrode	intervals	Dwg.	IP 2401-4
Line	12W	30	0' electrode	intervals	Dwg.	IP 2401-5

Also enclosed with this report is Dwg. Misc. 4212, a plan map of the area surrounding the Midaltic Shaft. The definite and possible induced polarization anomalies are indicated by solid and broken bars respectively on this plan map as well as the data plots. These bars represent the surface projection of the anomalous zones as interpreted from the location of the transmitter and receiver electrodes when the anomalous values were measured.

Since the induced polarization measurement is essentially an averaging process, as are all potential methods, it is frequently difficult to exactly pinpoint the source of an anomaly. Certainly, no anomaly can be located with more accuracy than the spread length; i. e. when using 300' spreads the position of a narrow sulphide body can only be determined to lie between two stations 300' apart. In order to locate sources at some depth, larger spreads must be used, with a corresponding increase in the uncertainties of location. Therefore, while the center of the indicated anomaly probably corresponds fairly well with source, the length of the indicated anomaly along the line should not be taken to represent the exact edges of the anomalous material.

4. DISCUSSION OF RESULTS

In the brief time available for the test IP survey, measurements could be made on only five lines. Anomalous effects were measured on all of the lines, but the anomalies are very different.

Line 0+00

This line crosses at the shaft area. The IP results show a very strong, narrow anomaly centered at 0+00 to 3+00E. The anomaly was detected

for n = 1, so that it should be detailed using shorter electrode intervals. The anomalous pattern suggests that the line passed nearly perpendicular to a dipping, tabular source; however, the width of the source, and the sulphide consentration can not be determined.

The IP measurements at the western end of the line show a definite anomaly west of about 9+00W. The IP effects are strong, and the measurements should be extended to completely outline the source.

Line 105

This line also passes across the apparent strike of the zone of mineralization. Slightly anomalous IP effects were measured all along the line, but no definite anomaly was located. The weak IP effects do not vary much with depth, or laterally; the apparent IP effects measured at the surface must be nearly equal to the true IP effects in the rocks. Only weakly disseminated mineralization, perhaps little as 1%, would be necessary to cause these effects.

Line 208

The results on this line are very similar to those on Line 106.

The IP effects decrease east of 3+00E; there are somewhat strenger IP effects at depth at 3W to 0+00. These effects could be due to a narrow zone of concentration centrated mineralization at depth, or a slight increase in the concentration of disseminated mineralization over a more extensive width.

Line 3W

This line was surveyed at right angles to Line 0+00, just west of the shaft. The IP results show a very strong anomaly that extends from

3+00S to 6+00N. The pattern suggests that the line passes parallel to a tabular source. The anomalous effects were measured only for n = 3 and n = 4, the effects could be due to the tabular source located on Line 0+00.

Line 12W

The strong IP effects measured on this line confirm the anomaly located at the western end of Line 0+00. The pattern suggests a source at least 600' wide. The southern edge is sharp, but the anomaly fades out gradually to the north.

5. CONCLUSIONS AND RECOMMENDATIONS

The results of the IP test survey at the Midaltic Mine have shown the definite presence of substantial volumes of metallic mineralization. In view of the lode-type copper, and disseminated copper, known in the area, these anomalies must be considered to be of definite interest.

A detailed IP survey, using electrode intervals of less than 300', is warranted to locate, and outline, the mineralized zones. Measurements should be made using 200' spreads, on lines not more than 400' apart.

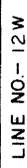
A detailed geologic map of the area should be prepared, and consideration should be given to a detailed geochemical survey to evaluate the anomalies. When these results are available, a decision can be made concerning prospective drilling targets.

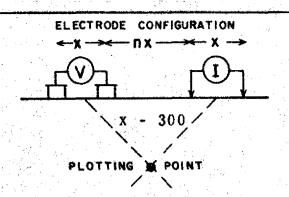
McPhar Geophysics Limited

Philip G. Hallof, Geophysicist.

Dated: March 17, 1966



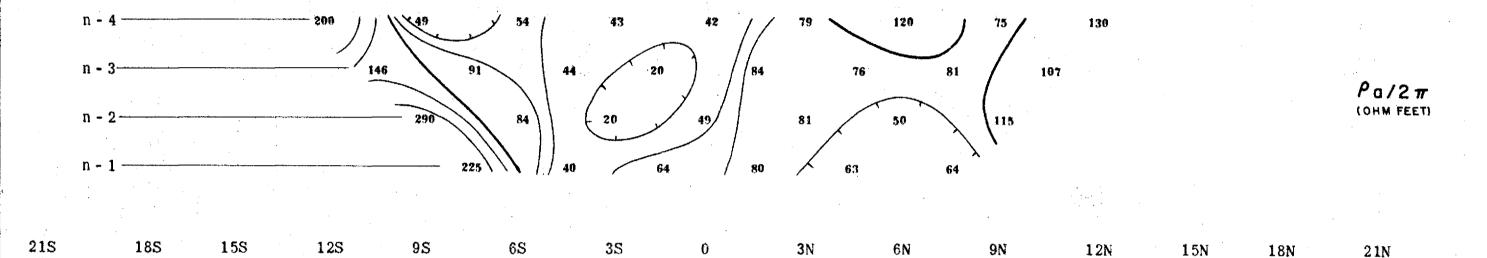


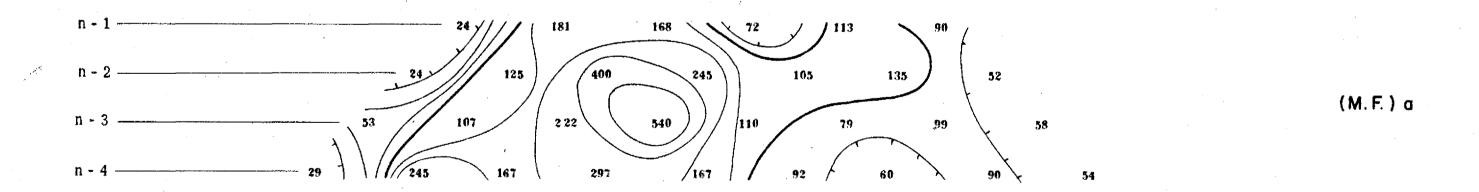


INDUCED POLARIZATION AND RESISTIVITY SURVEY

LINE 12W

NOTE: CONTOURS AT LOGARITHMIC MULTIPLES OF 10-15-20-30-50-75-100





ELECTROWINNING PTY. LTD.

RADIUM HILL PROSPECT, OLARY PROVINCE-S.A.

Scale-One inch = 300 Feet

NOTE LOGARITHMIC CONTOUR INTERVAL

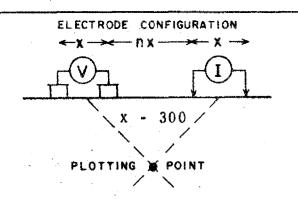
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DATE SURVEYED PEB 1966

POSSIBLE //////

SURFACE PROJECTION OF ANOMALOUS ZONES

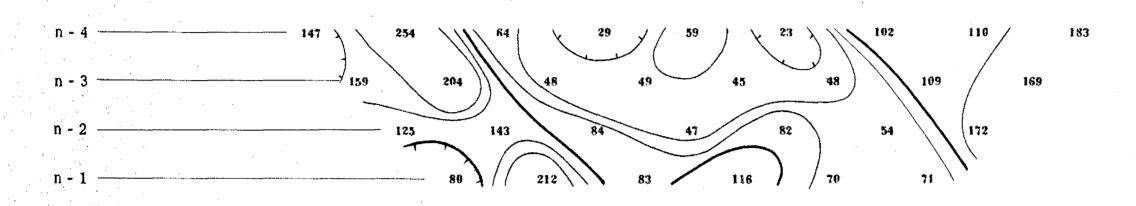
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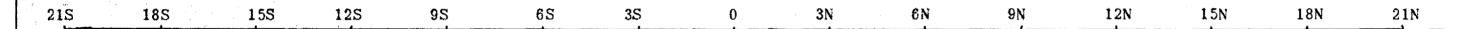
INDUCED POLARIZATION AND RESISTIVITY SURVEY

LINE 3W

NOTE: CONTOURS AT LOGARITHMIC MULTIPLES OF 10-15-20-30-50-75-100



Pa/2π
(OHM FEET)



(M.F.) a

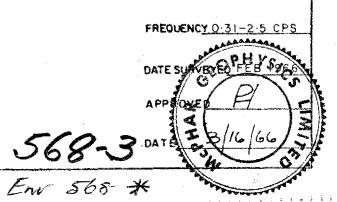
SURFACE PROJECTION OF ANOMALOUS ZONES

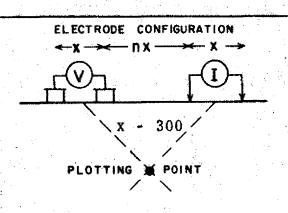
ELECTROWINNING PTY. LTD.

RADIUM HILL PROSPECT, OLARY PROVINCE - S.A.

Scale-One inch = 300 Feet

NOTE LOGARITHMIC CONTOUR INTERVAL

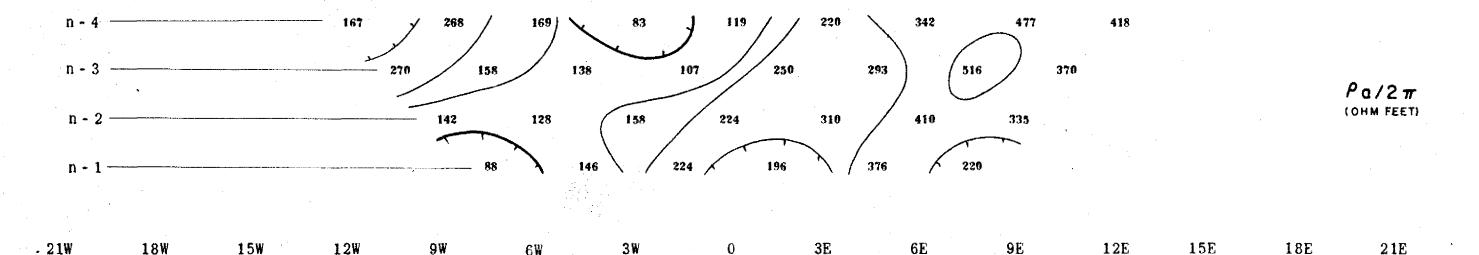


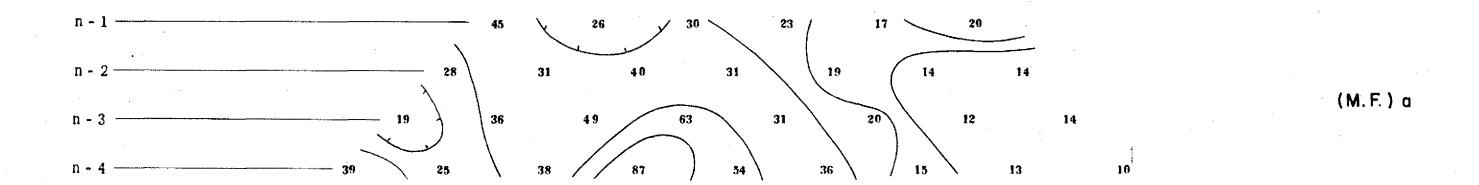


INDUCED POLARIZATION AND RESISTIVITY SURVEY

LINE 205

NOTE: CONTOURS AT LOGARITHMIC MULTIPLES OF 10-15-20-30-50-75-100





? ****************************

ELECTROWINNING PTY. LTD.

RADIUM HILL PROSPECT, OLARY PROVINCE -S.A.

Scale-One inch = 300 Feet

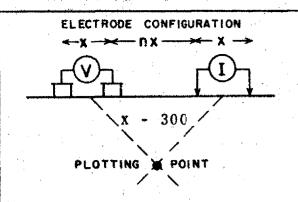
NOTE LOGARITHMIC CONTOUR INTERVAL

SURFACE PROJECTION

DATE SURVEYED FER 1606

APPROVED P

ENV 568



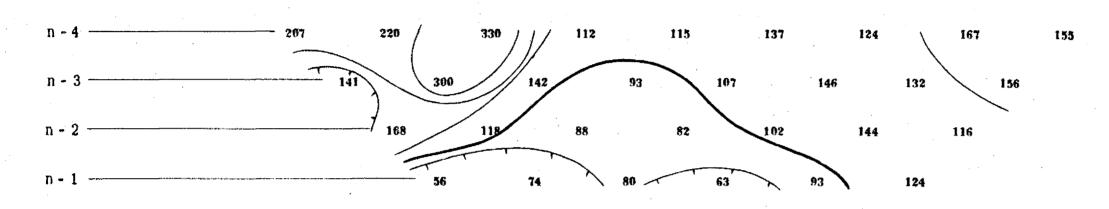
SURFACE PROJECTION OF ANOMALOUS ZONES

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY

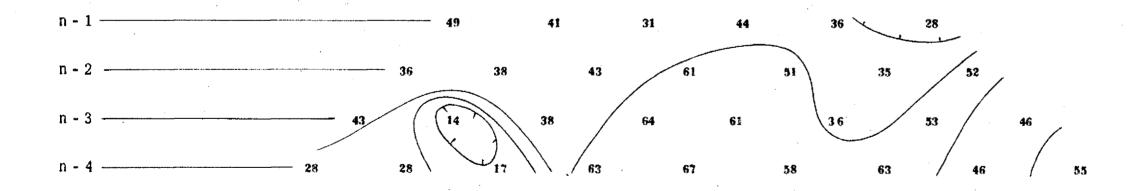
LINE 105

NOTE: CONTOURS AT LOGARITHMIC MULTIPLES OF 10-15-20-30-50-75-100



Pa/2π.
(OHM FEET)





(M.E.) a

ELECTROWINNING PTY. LTD.

RADIUM HILL PROSPECT, OLARY PROVINCE-S.A.

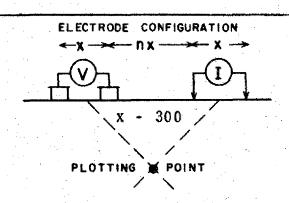
Scale-One inch = 300 Feet

NOTE LOGARITHMIC CONTOUR INTERVAL

PROBABLE INTERIOR Scale

DATE SURVEYED FEB 1466

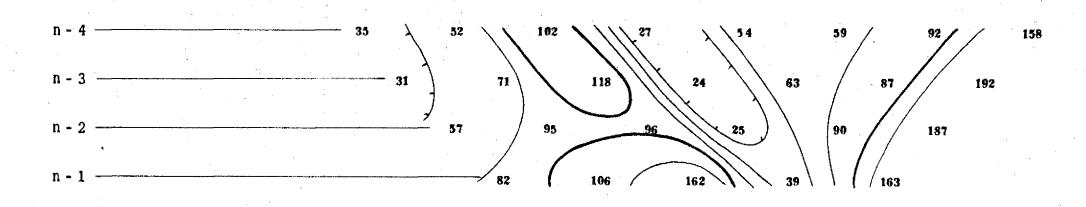
ENV 568 *



INDUCED POLARIZATION AND RESISTIVITY SURVEY

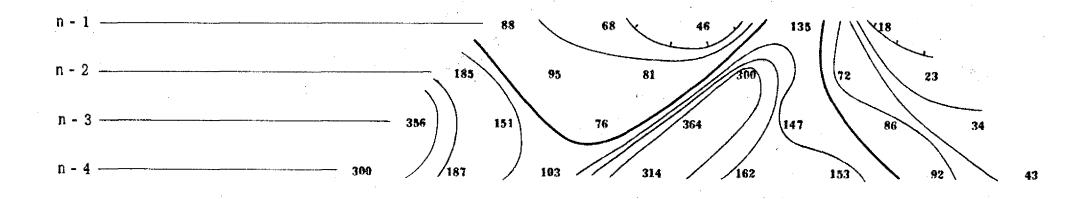
LINE 0-00

NOTE: CONTOURS AT LOGARITHMIC MULTIPLES OF 10-15-20-30-50-75-100



Pα/2π (OHM FEET)





(M.E.) a

ELECTROWINNING PTY. LTD.

RADIUM HILL PROSPECT, OLARY PROVINCE - S.A.

Scale-One inch = 300 Feet

NOTE: LOGARITHMIC CONTOUR INTERVAL

PROBABLE INTERIOR POSSIBLE //////

SURFACE PROJECTION OF ANOMALOUS ZONES

DATE SURVEYED EER 1966

APPRODED ATE SING 66

568-6°

EN 568 *

AUSTMINEX VENTURE NO. 9 RADIUM HILL, S.A. REPORT OF INVESTIGATIONS ON S.M.L. 98



AUSTMINEX VENTURE NO. 9

RADIUM HILL, S.A.

S.I. 54. 2

REPORT OF INVESTIGATIONS ON S.M.L. 98

SEPTEMBER, 1966

Dated in Melbourne 14 December, 1966

Submitted by

& France

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Expenditures on S.M.L. 98 to November 1, 1966) Transferred to DM. 1605/65	6

LIST OF DRAWINGS AND ATTACHMENTS

Geochemical Assay data - Line 15W

Diamond drill hole logs 0.7S - 0.5W and 4S - 15W

Percussion drill hole field logs 0.5S - 0.5W, 1N - 7W, 1S - 7W, 2S - 15W and 4S - 15W

Vertical sections 0.5W, 7W and 15W

McPhar Geophysics I.P. Profiles
Drawing Nos. I.P. - 2425 - 1 to 13

McPhar Geophysics I.P. Profiles
Drawing Nos. I.P. - 2401 - 2 to 5

McPhar Geophysics Drawing Misc. 3160

Composite Plan - C.W.G & E Drawing No. 16

SUMMARY and CONCLUSION

The Radium Hill copper prospect, S.M.L. 98, is located 3 miles west of the abandoned Radium Hill uranium mine. Austminex Pty.Ltd. held an option on the prospect from March 20, 1966, to August 31, 1966. During this time a programme of geophysical, geological and geochemical surveys was performed prior to and concurrently with an exploratory drilling programme involving both percussion and diamond drilling. Geophysical work was predominantly Induced Polarization with some magnetics. Eleven hundred and seventy-three feet of 3 inch percussion hole and 989 feet of NX and BX Wireline hole were completed.

Drilling and assaying results indicated large volumes of rock containing 1% to 10% of sulphide mineralization, principally pyrrhotite with minor chalcopyrite. Sufficient quantities of 5% to 8% sulphide mineralization were intersected to explain the highly anomalous I.P. effects. Copper assays showed values of about 0.01%. Minor amounts of lead and zinc and traces of gold and silver were detected.

The programme indicated that:

- 1. the I.P. anomalies were caused by disseminated pyrrhotite mineralization,
- 2. copper mineralization does not occur in economic quantities,
- 3. the property does not warrant further expenditure.

- 1 -

AUSTMINEX RADIUM HILL PROSPECT .

SOUTH AUSTRALIA

S.I. 54. 2

REPORT OF INVESTIGATIONS ON S.M.L. 98

SEPTEMBER, 1966

INTRODUCTION

Special Mining Lease (S.M.L.) No. 98 covering an area of 6½ square miles contains numerous old copper prospects including the <u>Dalkey</u> and <u>Mildaltie Mines</u>, both of which consist of a number of trenches and shafts excavated prior to 1900. Actual production could not have been more than a few wagon loads of copper ore.

Strong Induced Polarization anomalies and the presence of copper mineralization in planes of bedding and schistocity prompted Austminex to option the prospect.

S.M.L. 98 was taken out by Electrowinning Pty. Ltd., of Adelaide, on December 1, 1965. Subsequently, McPhar Geophysics Ltd.performed an Induced Polarization and Resistivity survey over the area of known mineralization. The property was then optioned to Austminex Pty.Ltd. on March 20, 1966. McPhar Geophysics Ltd. performed further I.P. surveys during April.

A program of percussion drilling with a Gardner-Denver PR 133 track-mounted drill commenced on June 8. Drilling finished on June 13 after completing 1173 ft. of 3 inch diameter hole. A magnetometer survey was performed at the same time.

A further one month programme of geological and geochemical surveying accompanied by diamond drilling commenced in early July. Sondra Drilling Pty. Ltd. completed 989 ft. of NX and BX wireline hole.

The option was dropped on August 31, 1966.

LOCATION, ACCESS and TOPOGRAPHY

The Radium Hill copper prospect is located 3 miles west of the ahandoned Radium Hill Mine which lies approximately 290 miles by road, north-east of Adelaide, S.A. and 70 miles south-south-west of Broken Hill, N.S.W. The area is served by both road and railroad.

The Radium Hill district consists of undulating plains with occassional low ranges of hills. Tree cover is sparse.

GEOLOGY and MINERALOGY

The area comprising S.M.L. 98 consists of a highly folded and regionally metamorphosed sequence of dark grey, thin bedded, locally calcareous micaceous schists and quartzites of Upper Proterozoic age. These are underlain by a thick succession of boulder tillites which rest unconformably on the crystalline basement. Beds of tillite occur within the basal section of the schists.

The local sediments strike fairly consistently 295° - 305° with generally steep dips (C.W.G & E Drwg. No. 16). In the vicinity of the old copper prospects, beds dip to the south-west; to the south they dip north-east. Dragfolds are common and plunge at 15° - 20° south-east. Structure and folding suggest the presence of a south-east plunging synclinal axis at about LINE 37S on the geophysical grid.

A predominant set of vertical tension fractures striking N35°E exists throughout the area. Schistosity strikes parallel to the bedding and dips vertical to steeply south-west, usually cutting the beds at small angles. Slatyy cleavage is common.

In the vicinity of the known copper occurrences quartz veinlets with minor calcite are very abundant. Narrow quartz veins (1" - 2" wide) filling the N35°E tension fractures carry chalcopyrite with pyrite and some pyrrhotite. Malachite and associated secondary copper minerals, viz. chalcocite, cuprite, and native copper, occur above the water table. In some localities copper minerals are associated with irregular veins, up to 12 inches wide, of dark brown siderite.

Pyrrhotite is the predominant metallic mineral in the area. It occurs principally along planes of schistocity with minor associated chalcopyrite. In small quartz veinlets it is coarser grained with exsolved chalcopyrite. Typical sections of diamond drill core often contain 5% - 8% of pyrrhotite. A selected sample of pyrrhotite-chalcopyrite in schist from the main shaft dump located at the grid origin assayed 0.86% Cu (Sample No.79).

Pyrite is common in quartz veinlets and along chloritic shears.

GEOPHYSICS

Induced Polarization and Resistivity surveys indicated the presence of a broad conductor suggestive of disseminated mineralization over a strike length exceeding 2,000 ft. (See McPhar I.P. Plan and Profiles).

A magnetometer survey over the area did not give significantly anomalous results. One small anomaly of about 1,000 gammas was obtained at 43S - 17W.

GEOCHEMISTRY

Soil and drainage samples were collected at 200 ft. intervals along line 15W from 32N to 40S. Analyses indicated an average value of 2 ppm cx Cu.(See attached assay data).

EXPLORATORY DRILLING

Percussion Drilling

Initial drilling was done with a Gardner-Denver Model PR 133 track-mounted drill and 900 cfm compressor in hope of reaching the top of the I.P. anomalies located at depths of 250-300 ft. Holes were nominally 3 in. diameter. Five holes were drilled.

Hole No.	Angle and Bearing	Length (feet)
2\$ - 15 W _	Vertical	248
4S - 15 W _	-60° @ N 35° E	193
1N - 7W -	Vertical	254
1S - 7 W -	Vertical	258
0.5S - 0.5MW -	-60° @ N 35° E	220
	TOTAL	1.173 ft.

The equipment on site and presence of water limited the depth of drilling to about 250 feet.

Percussion drilling samples were collected at 5 ft. intervals in a specially designed dust collector connected to a drill hole collar assembly. Dry samples were split with a Jones splitter to two representative 3 lb. samples which were then tagged and bagged. Wet samples were split directly on a special slotted table with the required sample being dried and bagged in duplicate.

Diamond Drilling

Two holes were drilled using wireline equipment. Holes were started with NX core and completed with BX. Recovery was virtually 100%.

The two holes were:

4S - 15W	-60° @ N 35° E	666 ft.
0.7S - 0.5W &	-60° @ N 35° E	323 ft.
	-	·
	TOTA	L 989 ft.

Assaying

Of the percussion holes, only hole 0.5S - 0.5W had visible copper mineralization. The section 200 - 220 ft. averaged 0.77% Cu.

A number of the percussion hole 5 ft. sections were assayed. Copper content averages about 0.01% Cu. Lead and zinc values are about 0.01% and 0.02% respectively. Gold and silver occur only in trace amounts.

Four sections of diamond drill core carrying minor amounts of chalcopyrite were assayed. D.D.H. 0.7S - 0.5W contained a section from 77' - 84.5' with visible chalcopyrite which assayed 0.17% Cu. The other three sections assayed 0.01% Cu.

DISCUSSION

Percussion and diamond drilling of the I.P. anomalies revealed the presence of 1% - 10% of iron sulphides, principally pyrrhotite. Many large sections of the rock were found to contain 5% - 8% sulphide mineralization, assufficient quantity to explain the strong I.P. anomalies.

Percussion hole 0.5S - 0.5W, which intersected 20 ft. of 0.77% Cu, strikes parallel (N35°E) to numerous copper bearing quartz-filled fractures in the immediate vicinity. Thus, it is conceivable that the drill hole followed one or more of these fractures.

Diamond drill hole 0.7S - 0.5W intersected chalcopyrite bearing quartz-calcite veinlets which strike nearly parallel to the core axis. The best section was $7\frac{1}{2}$ ft. assaying 0.17% Cu.

Significant amounts of chalcopyrite in planes of bedding and schistosity were not intersected.



CHAPMAN, WOOD, GRISWOLD & EVANS PTY. LTD.

REPORT OF GEOCHEMICAL ANALYSIS

Samples submitted by	Irving J. Erdmans	Project BADIUM HILL -	AUSTMINEX V9
Method data CX Big	quin ohine	Analyst R WEISHER	Date: 25/7/66

Sample No.	Remarks	Soil	Silt	Water	exMe	Me	DR. SAMPLE	HM ppm	Cu ppm	Pb ppm	Zn ppm	Ве	Мо	Sn	Ni	Hg	
15W-00N		۳							2							`	
15W- 2N		-						٠	Z								
15W- 4N	***************************************	-							15								
15W-5175N		ش					~		1	-						-	
15 W - 6N		-							1	ļ							
15 W - 8N		-							4								
15W-8125N							-		4								
15W-10N	·	•							z								
15W - 12N		<u>-</u>							300		an er	ratic					
15W - 14M	<u> </u>	·			, ,		ļ		2								
5W - 16N	·	·						-	1		,						
15 M - 18N		<u> </u>			ļ ·		<u> </u>		1								
15 W - 20N		v		ļ	-	-			2	ļ							
15 N - 22N		v	<u> </u>						2								
151N - 24N		~					ļ		2							,	- <u>-</u> -
5W-26N	· · · · · · · · · · · · · · · · · · ·	v							4	ļ							
15W - 28N		·		ļ					Z	ļ	ļ		ļ				
15W-30N				ļ			<u> </u>		Z	·	<u> </u>						
151N-32N		r	ļ						4	ļ	<u> </u>	<u> </u>	ļ	ļ			
			-							<u> </u>	<u> </u>		_	ļ		13	
15 W - 25	· · · · · · · · · · · · · · · · · · ·	~							2	ļ	<u> </u>					e ₁	
15 W - 45		·		ļ ·			·		z_	ļ				ļ	ļ		
15W - 65	•	•				· .			Z								

CHAPMAN, WOOD, GRISWOLD & EVANS PTY. LTD.
REPORT OF GEOCHEMICAL ANALYSIS

Samples submitted by D Irving J Erdmans	Project RADIUM HILL - AUSTMINEX VS
Method data CA Biquingline.	Analyst B VIEISHER Date: 25/1/66

Sample No.	Remarks	Soil	Silt	Water	exMe	Me	DR. SAMPLE	HM ppm	Cu ppm	Pb ppm	Zn ppm	Be	Мо	Sn	Ni	Hg	
15W-85		. F	•		; *				Z			-		0			
15W- 9+3	5.5						٠ ـــ	·	1								
5W - 105		-							2		,						
5W-125		-							Z								
5W - 145		-							4						,		
5W- 165	1,	٠			,			:	Z								
5W - 185		r					• • • • • • • • • • • • • • • • • • • •		2			•					
5W- 205							<u> </u>		41						-		
5W- 225	1	· .							4								
5W- 245		ب ا							2_								
SW-265		v.			,				4								-
5W-285		v			*				8		,	* ,					
5W - 305						7.			8.		-					•	
5W-325	-	· · .	3		,			-	4	1							
5W-345		•						يه.	4								
5W - 365									2	<u> </u>	,	-			,		
5W-385				4.	1.0				1)
5W - 408		v							1							d	>
	51.																•
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				2 1								<u> </u>				7.46.4	
										<u> </u>							

Street /s	August	1966		Bearin	ıg .	Lat.	Collar El.		Logged by	J. FRO	MANI	' S.			
Capuleted /	8th Augus	st 196	66.	Angle	-60°	Dep.	Bottom El.		Remarks	0'-17		Nx.Wir	cline		
Vilor C.	Pavey (S	CNOA 1	DRINK.)	Length	323'	Location	. Level			171'-32	3′ /	BX. Wire	hine.		
INTEI	RVAL	CORE	RECOV			DESCRIPTION		Sample . No.	Interval		1	ASSAY	 	1	·
From	To	Wt.	Ft.	%	Phigust 1st					 			·	· · · · · · · · · · · · · · · · · · ·	[
0'	10'	ļ			No core recover	•				 	ļ.		-		
10	12'		\'5"		10'-10'4". Brok	en core; schistos	e micacecus shales;			<u> </u>			<u> </u>	ļ	
. 12	16'		18"		limy in part.						ļ		ļ	ļ	
16	26	-	10'		10'-26'. Thin b.	edded micaceous s	hales; sections schistore				ļ	· · · · · · · · · · · · · · · · · · ·		· ·	
					and limy; beddin	19 10 10 60° to axi	of core; evidence of				·				r.
	-	ļ] 	cross bedding; a	contexted in vicini	ty of quartz veins;			ļ				-	
	·	-					iron staining; leached						٠,		
					cavities; no sulp		<u> </u>	a a continuo negative esta							
				! ! !	August 3rd.			 							
26	30'6"		46	! !	26'36'. As at	ove; mica schis	f 32'6"-33'6"; iron								
<i>3</i> 0′6″	36		5'6"				ole leached out iron sulphid	les:							(
:6	46		101		liny bands and	1 '									
26	56		10		1 . 1		bedded, bedding urt	i				·	-		
<i>3</i> 2	66'		10	T			, 40°052 90°060							0	
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		İ .		<u> </u>	Silicions bounds	at as sal (15"-	Shearing at 20°-30°-to axis							1,39	
pagagamahaan paga			1	<u> </u>	ef core comme	uta Olica Il	4. alterations Of						. ::	-1	
		İ		<u> </u>	or core, carry pr	INCE TIGKES, CAION	ticalteration, Qtz vein	J						1	
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n erittikk filmele kiloning genga yildi. gang 4 ft		1	<u> </u>	<u> </u>	pyrite, pyrkhot	ite ostlakes along	y beading partly leached. Her recovery at 143'	!			1	,	<u> </u>	<u> </u>	

tirted				Bearin	g	Lat.	Collar El.		Logged by					
upleted				Angle		Dep.	Bottom El.		Remarks					
fler				Length	,	Location	Level							
INTE	RVAL	CORE	RECO	VERED		DESCRIPTION		Sample	Interval		· · · · · · · · · · · · · · · · · · ·	ASSAY		
From .	То	Wt.	Ft.	%	August 4th	, ,		No.		% Cu				
66	_75		9'		66'-71' schisto	se shales , evidence of t	redcling conterted	1	77-8442	0.17				
75 ¹	85 ¹		10'		1	bloritic alteration; quart	4	3025	841/2 - 88'	0.01		-		
£51	95'		10		!	alisation along fractur	•							· · ·
.95`	102'		7		1	pyrrhetite up 102% ver	A 1		-					,
102	112	-	10				F 14716767 F16-123							-
JUZ		1	10		of chalcopyrite		. 1-1:1							
						itic mica schist with iron		ļ			<u> </u>	ļi		
			ļ		119	combined; calcite veins		1	-				· ·	
			ļ	ļ	loaxis of core;	bedding ? 70°; conduc	tivity poor, luny		· -		 			
					in part		r sandanin, se delin da companio del rigina e com companio de c			ļ ·				ļ.,
,			<u> </u>		75: 76: Core b	receiated cemented w	ith calcite, chlorite				 	ļ		
					latteration; sulpl	hicles along hairline f	vactures conductiv	ty -						
					fair; chalcopyrit			1						
							ide mineraliestion				- ,			0
				 	10-70. Wharle	itic shist; patcher sulphi	and the same			<u> </u>	1.			
	·	 		 		e with avens of chalco		<u> </u>		<u> </u>				
		+	 		1	s schist; sections wit	J	-		-	+			(C)
				<u> </u>		ciated a cemented with		-			 	1	<u> </u>	
			 -	-	le shear striking	parallel to section of	drillcore, dip 80°					ļ	· · ·	
1 - Walte Bridering			ļ		Wi won sulphi	des 2 - 6% with up	to 126 chalcoin	ļ		ļ	<u> </u>	-		
					,	vente veisis erratici			İ				İ	

rred	·····			Bearin	g Lat.	Collar El.		Logged by					
upleted				Angle	Dep.	Bottom El.		Remarks					
:Her	-			Length	Location	Level			-			•	• •
INTE	RVAL To	CORE Wt.	RECOV	ERED	DESCRIPTION		Sample No.	Interval		T	ASSAY		1
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	,				, , ,	, ,				1			<u> </u>
				-	about 1 to 3% max areas.	TEMINISTING 105 101. C			†	+ .	 		
112	122	1	101		112 - 142 Quartzitic mucacious schis	schistositu 10to60°							
12.	132		101		to axis of core; shearing 10 to 60° G	, 4							
32	142		10		and pyritholite at 120, 130, 138, 141								
,					schistosity upto 2% in bands; some	1.3				•			
					highly contorted.			-					
421	152		10'		142'-171' Schistose fluvioglacia	I sediments; beddling							
52 <u>.</u>	157		5-1		contorted; chloritic alteration most								
57 	163 6	•	6'6"		sheaving 30° @ 150'40° @ 157' to	azisofere; bedding						,	
&3'L"	171		43		displaced 2 at 164; liny sections; py								
					schooling about 2%; quartz and ca								00
F					partly leached; Sheared chloritic a								<u> </u>
-			·		miner chalcopyrite blebs; conclucti		ired					<u> </u>	l w
					core				<u> </u>				မ
		-	<u> </u>		END OF MX CORE., HOLE CASED -	O 171 WATER RECOVE	<u> </u>		<u> </u>			<u> </u>	<u> </u>
				-	RETAINED, FROM 171 BX COR								

red				Bearin	g	Lat.	Collar El.		Logged by				
upleted				Angle		Dep.	Bottom El.	···	Remarks				
riler				Lengtl	1	Location	Level						
INTE	RVAL To	CORE Wt.	RECOV	ERED %	July 6th	DESCRIPTION		Sample No.	· Interval		ASSA	.Y	1
71	18)		10			licacious schist; Quartz	veries with leiched			·			
181	191		10		· ·	16", 177' 3"; shearing at 6		sa'					1
<u> </u>	201		10		1 !!	ong schistosity plains w	v .						
						Fluvinglacial sedimen							ļ
		ļ. - ļ			Į.	ed publics constituents	· •	1					
		<u>.</u>	·		plang schistos	isplains, upto 5% in a	certain constituent pel	bules.					
			-	 	at 197 gne	isic pebble 20% py	rehotite : Quartz	, <u>.</u>					<u> </u>
					Veins with	faitly teiched sulphial	es 195'd-190'; chalc	0					ļ
_,					blebs ininc	or; limy in part; q	reen and bronze						
					•	chists; sulphieles auc							'
<u> 301`</u>	211		10		202 -271 5	ochistose thin bedded mu	cacious sediments.	_	<u>:</u>	ļ			<u>.</u>
211	220		9'	4	(calcareous m	ica schist?); bedding co	ontorted and wrinkle	:e\}					
<u> </u>	226_		6'			tvarcous angles baxis				<u> · </u>			
86	236		10'			iny sections; fractur		tiki		ļ		•	6
2:61	246		10	<u> </u> 	1	axis of core.; Quartz	9	-		-		_	
76_	256		10'			te, pyrcholite, and mine				 		<u> </u>	(2)
2:6	2.66	1	10'	ļ	Sulphide mi	nevalisation along scl	histority in selected	<u> </u>					-
<u> (6</u>	2.76		10	ļ		ratio of pyrite: pyr					·		

ned				Bearin	g Lat.		Collar El.		Logged by					
imleted				Angle	Dep.		- Bottom El.		Remarks				٠,	
iler				Length	Locat	on	Level							
INTE	RVAL	CORE	RECOV	ERED		DESCRIPTION	. •	Sample	Interval		·	ASSAY	,	
Reom	То	Wt.	Ft.	%				No.						
					202-271 (ont.) Otz. v	eins 222. 251	3, 253 6, 254 3;							
	,				Shearing broken cove			ų						
					leached fradures ivon								< '	
	†				conductivity good in	* 1	•		·					
276	284	1	8'		Very slightly magneti	•		-						
-7.0 [34]	293	-	9'		271 - 293 Micaceous		. <i>I</i>	į						
	303	-	10		main show at 30-275 iron		•	1'		1	İ	† 		
<u>93</u>	1	-	10								<u> </u>	ļ		-
3	313		10	<u> </u>	core; Quartz veins					 	1			
3' <u>3'</u>	323		10		mostly pyrite at 282'		'	-			-	 		<u> </u>
					up to \$ 6 271 to	276 _;_Crystalli	he calcite veins a-					-		
_ 		 			Vugs;					-	4	 	1	-
			ļ	<u> </u>	293 - 323. Calcaveous	· mica schist	veins of quartz-			<u> </u>		ļ		
					pyrite a calcite pyrite	with erratic o	lips at 297, 299, 2996,							<u> </u>
					Shears 20°-40° to a	xis of core; Su	Iphides / 1/10 1/6							<u> </u>
	·				in schustosity; Pyrite									₩ >
-			-		conductivity in veins			<u> </u>						1-30
					course aftered fluvion	lacial seds: be	edding 30°. Magnet po	por						-
					course aftered fluxing END OF HOL	E 323' 8th	Angust 1966.							
			1	ļ .		and the state of t		,					· ·	

Started	July	AL CORE RECOVERED				Lai.	Collar El.		Logged by).F. 18	VING 3	<u>も). Ey</u>	ZIMANIS	ž.,
ompleted				1		Dep.	Bottom El.		Remarks O	- 19ZL	- MX	. WIRE	LINE	
riller					666	Location 4+00 S - 15+0	ow Level		192%	. ලල <u>ළ</u>	- <u>B</u> x	. WIRE	ELINE.	
INTE	RVAL	CORE	RECOY	ERED		DESCRIPTION	• '	Sample	Interval			ASSAY		
From	То	Wt.	Ft.	%				No.		8Cc		%Fe		
Φ	11				Casing	above ground lev	el	1	· ·					
4 .	10		0	0	•	•	•	1		!				
					material with	•					·			
· ·		1			33.581541 St.12					1				
	3,50	<u> </u>	2457	a	7.4			3024	246-249	0.0/				
	258		CA42.	1.577.9	, ,	micaceous schist		7	192-202	;		50		
names on the same and agreement			 		ı	of narrow quartz	,	5520	192 202	ļ		50		
	<u> </u>	-	 		leta; madera	itely soft rock wil	h some cal-	ļ					 	
	 			<u> </u>	careous mater	rial throughout;	ame sections	<u> </u>		<u> </u>	<u> </u> 			
			ļ	ļ <u>.</u>	show develo	openent of sillion	inite j rock			-]		
	<u>}-</u>	ļ	ļ 	<u> </u>	contains 2%	to 4% of sulphide	predominantly	ļ 	- 		ļ	ļ		
• :				1	Durchotite w	ith some pyrite;	Dyrite is on			<u> </u>				
		į	}		1 1	pyich in the ro								
)				 	1	1 1 7	- '							
		i	 	<u>;</u>	i ·	tosity. Rocks a					†			
	 	+		-	1	partly _of_fluvio =	*				†	 		<u></u>
	-	<u> </u>	 	-	Sulphides o	ires highly conduc	tive - the	<u> </u>			ļ		 -	
	1			 	mick 13 pon	- conductive: no	noticeable	<u> </u>					133	
		<u> </u>	ļ	<u> </u>	radioactivity.		a company of the same of the s					ļ-	6/2	
• [•			<u> </u>		Bedding	averages about	no to core =			ļ		-		
					axis.	•						1	-	

* Double the sulphide content

00

Started				Bearin	s N 35° E	Lat.	Collar El.		Logged by					
Completed		•	-	Angle	- 60	Dep.	Bottom El.		Remarks	•				
riller				Length	666	Location	Level							
INTE	RVAL	CORE	RECOV	VERED		DESCRIPTION		Sample No.	Interval			ASSAY		
From	То	Wt.	Ft.	%	and the state of t			- No.		%, C4				<u> </u>
258	387	-	129	100	Gneissic	quartz - biotite so	shist with							_
\					about 2%	sulphide predoc	mantly pyrch.	ļ						
<u> </u>					,	pyrite on fracture	, , ,							
<u> </u>					1	fleck of chalcope			1					
,						tly colcareous, 1		,						
		1.				Red numerous	•		-		· •			
			}.		1 .	,	•	j 1			,			-
•.					i ·	twisted; arg. a	10 16 1016	.\						-
,		1	†		SX13				<u> </u>	,		<u> </u>		-
	i	<u> </u>					· · · · · · · · · · · · · · · · · · ·	1						-
381	442	<u> </u>	55	100		irtz - mica schist	• •	-				 	 	-
	<u>.</u>	-	<u> </u>		and a few	grains of chale	apyrite; quartz	ļ					<u> </u>	
.)	1		ļ	·	veining com	man (1/2-1" reintets	_ sanim_dtiu_(! -		<u> </u>				
4			<u> </u>	ļ	Pyrkh and	very minoc assoc.	chalco Beds	ļ						_
·		<u> </u>			at 60°-9	or to core aris	437-439	3027	437'-439	0.01				<u> </u>
3.		•				ut lob pyrit							C	P
142	523	-	79.5	98		cial metasediments	containing			i la la la la la la la la la la la la la			-	
			i ·	.	1	its and boulders	14						13	-
			1		i	gillite and quarte							C.	>
To the second second second second second			1	<u> </u>	}	Ÿ		1				 		
			·		13_	biotitite (cripinal	y sill and sand			1			<u> </u>	_

THE HOLE EVALUATION SUMMARY

tarted				Bearing	N 35°E	Lat.	Collar El.		Logged by		· • • • • • • • • • • • • • • • • • • •			
ompleted				Angle	-60°	Dep.	Bottom El.		Remarks					
riller				Length	666	Location	Level			····				
INTE	RVAL	CORE	RECOV	ERED		DESCRIPTI	O% .	Sample No.	Interval		4	ASSAY		
From	To	Wt.	Ft.	%		Madati II		No.	Michal		<u> </u>	<u> </u>		
	-				cont. from P	.2 - The	whole is altered,							
							sulphide which is		•					
							•		-	ļ				+
	<u> </u>	 		: 1		•	outh very minor	ł		 			-	+-
					cholco, ; He	rymio ocor	abunts of graphit	<u> </u>		 				+-
<u> </u>	ļ	ļ -			_co_ botan_	one or two	fractures; chlorite			. 			ļ	<u> </u>
		<u> </u>			commeaon	fractures. w	ith pyrite						<u> </u>	_
	-							ļ			1			
523	567		44	100	Bedded	quartzitic s	sediments exhibiti	\o			1	,		
						·	altered with mic	• (]				T
		 			_	•					1	-		\dagger
		 -		 		,	vs. ; less than	: •			 		 	+
	<u>.</u>	<u> </u>	 		Tolo inso sul	phide with	very minor shales	·		ļ	·}		 	+
		ļ	<u> </u>		Beds 600-	70° to core				ļ	ļ	 	ļ	_
			1	:			·							
5 <i>6</i> °(666		90	100	Fluvia	lacial materia	al, altered and _							
~			1	1		-4		į					E	
	1	 	 	1			sie ; wan sulphide	3			<u> </u>	 		Ē
	1	<u> </u>	 		Throughout.	ovecaging 1%	with short	l	-		ļ			7
	ļ		ļ		sections t	5 3%. ; pup	the carries minor			+			1	>
		ļ			chalcopyrite.	: locathy c	alramous 3. some							
				1 1	,	•	1. to the some	,						

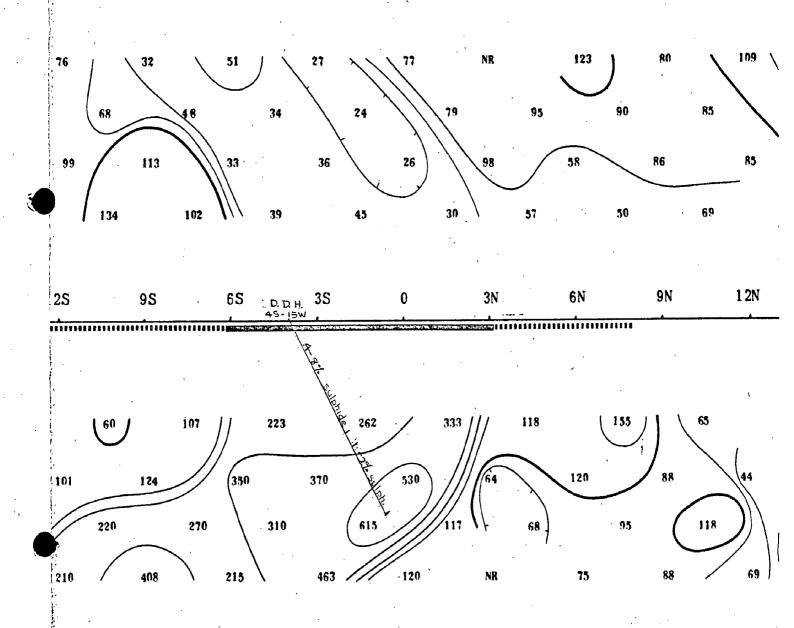
tarted				Bearin	ng N 35°E	Lat.	Collar El.		Logged by		Total and the state of the stat			
ompleted				Angle	-60	Dep.	Bottom El.		Remarks				7	
,		r=====		Lengtl		Location	Level	-						
	RVAL		RECO			DESCRIPTION		Sample				ASSAY	·	
From	To	Wt.	Ft.	%	(cent from P.3.)	DESCRIPTION		Sample No.	Interval					1
· - · · · · · · · · · · · · · · · · · ·					Sheared or	eas are highle	c L 1 †			1	<u> </u>		 	-
					a.d					-		ļ	 	
<u> </u>				T		sionally contain		\$		 				
/- 					or graphite	conductivity_	poor.		-	ļ		ļ	ļ	
			ļ				***	 		-				
lo	666_	··	649	99	- Copper	less than o.o.	10	· •						
			·					1						
							And a later or when the same of the same o			<u> </u>		<u> </u>	<u> </u>	-
													ļ	
						THE RESERVE OF THE PARTY OF THE						ļ		
· ·							e tem ferefe enem servery			ļ		ļ	ļ	
								i						
						- Mininghio in the manufactura para para to the markets of the state o				1				
						•								1
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						enter de late amont e con la constante de la grande de la grande de la grande de la grande de la grande de la g La grande de la grande				-				
	•						a - an announce o produced analysis and a second of the second of the second and	·						0
						ga fi fi magnataganna ar i dalah ki ka mana arang adapan i diki da i kana arang ada				ļ	·			0

							e e							3
<u> </u>					,					· .				1
					THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED ASSESSMENT OF	to any other to appear that to a b . I have a defrance have both made	The state of the s	***************************************		 			<u> </u>	-

CS LIMITED

ESISTIVITY SURVEY

001 46



LIMITED

Y PROVINCE - S. A.

SCALE

I.P. SURVEY
RADIUM HILL SA.

o Feet

INTERVAL

* Double estimated of sulphides content (see page 3)

Amount of the in other DRILL HOLE EVALUATION SUMMARY minerals is small

Stand	July 6	, 1966		Bearing	6 N 35°E	Lat.	Collar El.		Logged by	D.F.	IRVINCE.			
	July 28			Augle	- 60°	Dep.	Bottom El.		Remarks					
	· PAVEY			Length	666	Location 44005 1540	ew Level .						·	
INTE	RVAL	CORE	RECOV	ERED		DESCRIPTION		Sample	Interval		,	ASSAY		
From	То	Wt.	Ft.	%	<u> </u>	Casing above 9	round.	No.	Incival					
	10	-	0			, rubble and uncons	with caliche						·.	
Fo	258				Dark grey	micaccous schists	with a multiplicity						:	
·						carte - calcite reinlets						1.3	3.5	
	<u> </u>			-	with some cals	coreous material thro	book yery good							
-						contains 2:4% of p					. 3			
-				7	ourite no	radioactivity; rock	13 non-Conductive				,			<u> </u>
						de veinlets or patche	are conductive							-
		ļ				esty of fluvia glace	* ************************************					.5*		.:
	-				Some sections	have development	of sillimanite	7			<u> -</u>			1
10	16.		2		•	red rocks shot with	•	į į		,	,	***	ļ	
خاا	26		9.75		A ' '	quarte minor co	The state of the s							
		1			i)	off hire of c			_					
		1			1	40° and endence			***				` .	
			 	o:	` '	suggest leaching						1.4		
Z6	36		10			fresh miracious schi	•		1. 1.				1	7
	46		10		1	shot with quartz			<i>j</i>			1. 11.		T-1-
- 46	49		3		1 .	contain parte who			,			1		1
49	51	1 .	2'	1.	"	eakly mogratic due		-						
⁻³	57		6,	T)	constituent in the								·

PZ

Staged		,		Bearin	g	Lat.	Collar El.		Logged by		-:			
Completed.		` ,		Augle		Dep.	Bottom El.		Remarks			• •		• •
Drifter		• .		Longth		Location	Level						•	
INTE	RVAL	CORE	RECOV	ERED		DESCRIPTION		Sample				ASSAY		
From	То	Wt.	Ft.	%		DESCRIPTION		No.	Interval				1	
_51	64		ال. ا	1	Pyritie predom	es eruses placed	fracture Claim				. is			
						- 90 to core she					u ⁷		١.	
						miner light brown 1								-
						rusty colsite filled f								
	1		··.			i No radioactivity; a					<u> </u>			<u> </u>
						fractures - rome in						200		
64	74		10'			Some narrow section					1	, S		
74	84		10			it as onery quarte				. ,	18.7	S		
84	94		10		Inexise Sections	•	non sulphide	110						
94	104		10_			our hotite - overall								
						muddy alip - chloritic								
); / ₂					Icareous post 80 b					<u> </u>			1.75
			ي ∗			and warping of bid					<u> </u>			
							- more quarti							C
					- iron sulph de	V-2113-4-13							13	3
104	114		_1ø											<u> </u>
104-	٠ ئىر					ct 116 bedding show			-					13
114	124		_ 10_			ds at 75 90					,			-
124	129	· ·	_ ອົ		calcareous is at	127 bedding at 600	many popular				<u> </u>	ļ. <u></u>		

Cor.pany		***********			· · · · · · · · · · · · · · · · · · ·	Property			Section	No		Hole N	o. 45	-15W
Staged				Bearin	3	Lat.	Collar El.	w l	Logged by		• .			
Chipleted				Angle		Dep.	Bottom El.		Remarks	•		•		
Driver				Length		Location .	Level					***************************************		
INTE		CORE		,		DESCRIPTION		Sample	Interval			ASSAY	 	·
From	To	Wt.	Ft.	%	•			No.		%Fe.		·	ļ	/5
1 <u>13</u> 6	_146		_10	/	At 151.153	- high pyrite in v	ptivity some					· ·	· ·	<u></u>
146	156		_19		over distances	<u>of 12", 154-15</u>	sh brecerated	·	<u> </u>		. ,			
156	166		10	<u> </u>	and braked wit	A colaite pyrita suc	tions still show							
ان <i>ى ئ</i> ا			5.25	-	to the	and deposition of see						-		
172	_177		s'	. :	_	Hel gives greenish		,						
,	•	† - -	2.5				- (
<u>דרן</u>	180					en secondary miseral			·				·	
180	185	<u> </u>	5'		.	-pyrate ; 165-19			· · · · · · · · · · · · · · · · · · ·	-		<u> </u>	 	
185	189	 	41.	 		ith calsite-quarte ; re				 		<u> </u>		<u> </u>
_ 189_	1921/2	 	3:5		and fault zone	; 251-691 to	chloritic alt.				<u> </u>	 	ļ. ·	ļ
		ļ		<u> </u>	at 177 ; raid	little pyrchotite	ridt Aprovalt	 						
		<u> </u>		. ,	breccia zone.	the same of the sa				ļ	ļ		ļ	<i>V.</i>
:	, .				At 185	- bedding at 55"	to core					· · · · · · · · · · · · · · · · · · ·		<u> </u>
						as before line	•							
-						th Mx and cont	•					ŀ	-	
***************************************				.,	the same of		the control on recommended with a little of the same between							~ ~
		<u> </u>			1 500 3014 75 3	late afternaon		1				1	 	
1921/2	196		3.5	·	As befor	re; quite calcareous	i surehotite	3028	192-202	5.09			·	2
196	206	<u> </u>	10			quarte calcité veins	-							
206	216	. ' .	10			\$ _ to _ 4 + 5/_ iren_ su	<u> </u>							

Fiz mainly as pyrmonice

Stated				Bearin	g	Lat.	Collar El.	.	Logged by	•				
hipleted				Angle		Dep.	Bottom El.		Remarks	.,				
lriter		,		Length		Location	Level						•	
INTE	RVAL	CORE	RECOV	VERED		DESCRIPTION	•	Sample		ŀ		ASSAY		
rom	То	Wt.	.Ft.	%		DESCRIPTION ,		No.	Interval	% C4				
. 216	226		10		Pyrhatite mor	e predominant and m	seks very							
226	236		10'-			bly contorted ; some	· · · · · · · · · · · · · · · · · · ·							
236	246		16		•				•					
			19		,	with pronsy puca			,					
The same and the s						ding of purhatite	·		•					
						some sections	•			-			,	
	,					- *		i		 				
		ļ				Cretting up	Jo S lengths		·					··
					of core		-	: 		-		,		
	256	 			E			3026	246-249	0.01	-	 		· · · ·
746			10			de is not as colo		3026	1246-231		<u> </u>	 	,	l
756	266	 	10	ļ	bre bottege	fewer quarte veins	; still 2 or 34.	· .		 		<u> </u>		
266	276	 	10	<u> </u>	pyrchotite - pyrit					·.	 			
<u>_</u>		<u>.</u>			258-261/2	- mottled core -	gnerseic ; very							-
					-	ynte with pyrchot	, , ,			·				
	12.5	1 20 3	7	ļ		65 weakly calc	•	,						<u> </u>
						of heavily sulphided	· · · · · · · · · · · · · · · · · · ·			12. S				C
						b - quite siliceous c	with minor limi	,					•	
		.			! '-	aneissic schist								
				1	, .	- 4130 PM S				T	<u> </u>			

^{бир} ану						Property	······································	<u>-</u>	Séction	No	• • • • • • • • • • • • • • • • • • • •	Hole N	0		·•;·
	T			Bearin	~	Lat.	Collar El.	*	Logged by	<u>.</u>	#=====================================				=
Gispleted				Angle	Y	Dep.	Bottom El.		Remarks				· · · · · · · · · · · · · · ·		
drifter				Length		Location	Level								
	RVAL	CORE	RECOV					Sample	1	Ţ		ASSAY			===
From	To	Wt.	Ft.	%		DESCRIPTION		No.	Interval	·		٠.			
	•				July 14.		E								(
276	286		10		•	core 276-286	cont. queissic schist					ļ			
286	294		10	-	rock, habtly c	alcarrous - banding	at no to come	 							—
296	. 30 <i>6</i>	<u> </u>	10		2792 - 2812	quartz vein qu	erssic rock contains		·		ļ	<u> </u>			
306	316	ļ	10		about 21. of p	arrhatite poccassion	al space of chako	<u> </u>		· .	ļ			ļ · ·	
316	:321	<u> </u>	5		with parkhotite	at 285				ļ		<u> </u>			
		 			292-293- auge	~ texture - up to	3 or Ad. pyrobotite.			-		 			
			<u> </u>		295-23912- shrd	L, cloritically alti	pyrhotite ventets	<u> </u>					!		•,
	::4		5		with minor ch	ialeo ; some printe					ļ	<u> </u>	<u> </u>		<u>. </u>
		 	-		302 - 308 - 91	neissie but broken	; ch) + pyrite.	 - · · · ·		·	ļ				1
					318 321 - br	oken chipritically	alt. ground; py.			 				<u> </u>	
		**	ļ	<u> </u>	1 purch : > very	mor chalca.		ļ						ļ	.
		<u> </u>	ļ ·		276 - 321	- Generally given	isic schist, lightly	ļ						ļc	_
	<u> </u>		<u> </u>	ļ	calcairans; 50m	_ chloritic section	s - Shed of broken								
	<u> </u>	-		-						ļ					•
	· · ·		ļ		Quartz - bioti	te schist to gneiss	c schist with	-		-	-	ļ.,	-	1.	ر سنه
		-	 	 	2% Iren sulphi	de				-	ļ	ļ		<u> </u>	
		-	ļ				<u></u>	 	_	 	 	<u> </u>		 	
			<u> </u>			بد مصد روسسست ريخيه ودينت بمسيده مصدد ت				<u> </u>	<u> 1</u>		<u> </u>	<u> </u>	

પ્રાથમિક કરો છે. પ્રાથમિક કરો		•		Bearin	g '	Lat.	Collar El.	•	Logged by					<i>:</i>
**iipleted		,		Angle		Dep.	Bottom El.		Remarks					
)riter				Length		Location	Level		<u> </u>			·	•.	
INTE	RVAL	CORE	RECO	VERED		DESCRIPTION		Sample	Interval			ASSAY	·	
From	То	Wt.	Ft.	%		DISSONTI TON		No.	Interval					·
					July 15	•								·
±21	326		5			queissic schist and	Some dorker bonds			-				
326	- 336		0,	-		si siliceous (mere	,							
			10		,	*		,		<u> </u>				
336	346	1		-	•	bs rand verilets o	•	<u> </u>					 	
346	356	 -	1.0			ghat (2%) and	4	· · · · · · · · · · · · · · · · · · ·		- 			 -	
356	366	 	10.		1	s Very miner	•	· · · · · · · · · · · · · · · · · · ·			ļ		ļ	
366	376	<u> </u>	10:		pyrchotite at a	quartz veinlets.	scully wealth calcar	eous			 			<u> </u>
376	386		19	<u> </u>	At 324 bodd	ing at 60° at	337 (0 50	-						
		ļ		ļ	at 352@48	; at 355 @ 25°;	373 @ 705	_			· ·	ļ	ļ.	ļ
			<u> </u>	ļ ·	Local warping	4 twisting						<u> </u>	ļ	ļ
1.					346-349 - Bed	15 @ 20° 5% pyrch	with minor							
					chalca.		•		·				13 a.s.	
				ļ		+			-1-4.				. # . E . T	
	•	 	 -	<u> </u>	•	yuartz am	• •	er sen	115 103114	-		1		
		1		-	1 .	essianally a gr						ļ		 -
	<u> </u>	 	ļ <u>.</u>		152-387 - Cine	Eissie Quarti mica	schist.			_	-	<u> </u>		-
	·	 	 		344-16					-	 	 	-	-
3'80	396		_iel	ļ <u> </u>	381 403 - M	licaceous schist wit	h minor pyrihotite				ļ	 	 -	
296	403		7'	ļ.	(1/21.) 1 and miner	r grains of chalcopy	Intè	. ; 4.	-			<u> </u>		ļ
The state of the s					1	6° 398 @ 7°		ļ						

Etrafed L	To.			Bearin	g Lat.	Collar El.	<u> </u>	Logged by				· .	
	To see the			Angle	Dep.	, Bottom El.		Remarks			•		٠
Detter				Length		Level						<u>.</u>	
INTE	RVAL	CORE	RECOY	ÆRED	DESCRIPTION		Sample	Interval			ASSAY		
i rom	To	Wt.	Ft.	%	212011		No.	7	% Cy.				
				.	July 20,1966		•			-		-	
	413		٥١ '		A = 1 42 : Cont. as before - gray micases	somewhat quarteitic				-			
403						/							
413	423	-	10		hard with very little calcareous r			1			ļ		
423	433		10		1/2-1. sulphide ; quarts years a common	,			1	 	 	· · · · · · · · · · · · · · · · · · ·	
<u> 433 .</u>	436	1	3'_	<u> </u>	and usually a fleck of challopyrate	with it.	 			İ			
<u>:436</u>	444	<u> </u>	19		At 405 - 6" quartz vein	<u> </u>	ļ <u></u>		<u></u>	-		ļ	<u> </u>
			ļ 	ļ.,	Bedding 403-433 - 70-90		<u> </u>	<u> </u>	<u> </u>	 			-
	Į.	!	<u> </u>	<u> </u>	430/- Fractures @ 10-20 ; beddy	19 @ 65		<u> </u>		ļ		<u> </u>	
	-			-	432-434; 436-437 - Broken core wit	1%: 2% won sulphide						<u> </u>	
					431-439- 10% pyrch minor chalco		3027	437-439	0.01				
,×		Ţ::			440' heds @ 65						-	-	
	 		1 :	<u> </u>		A THE STATE OF THE				-		`	
- 2, 4,	 	-			440-4414 - Rock twisted and contorte	d 1-2% sulphide	<u> </u>		 	 	1		——
<u></u>		_	-		At 446 - Perce of pyrih with cha	La				 			- 6
		<u> </u>			- Sulphides conductive - not room	k ino radioactivity	(-	-	
:446	4.55	<u> </u>	8'	ļ.	442 - 481 - Fluxio - glasial metased	containing	ļ. <u></u>		ļ	<u> </u>		<u> </u>	1 c
<u> 455</u>	465		10		rock fragments and boulders of gre	,							Ç.
·4/25	475		10		quartzite + argillite - interstitial mat	v		,			1-	-	
			(6)	1	· · · · · · · · · · · · · · · · · · ·	_							
415_	481	-	9	- 	ond sand , highly meassous (biotil	<i>'</i>	1	-	1			1	1

bhed	~			Bearin	g Lat.	Collar El.		Logged by					
oupleted				Angle	Дер.	Bottom El.		Remarks	,				1
riber				Length	Location	Level	.					:	
- INTE	RVAL	-		VERED	DESCRIPTION		Sample	Interval			ASSAY		
from	То	Wt.	Ft.	%			No.						
					chalcopyrite; chloritic fractions often	conton				•			(
	•				pyrite; sulphides visible in all nock t								
		: .			rearry found in Fig. interstial matter	•				, .			
	. :	-	ļ 	1		- 1							
		- 	ļ	 	Adays 6" grante boulder with so								
			<u> </u>	·	473-474- grante boulder = pyril = py	on front spec	· · · · · · · · · · · · · · · · · · ·		l	<u> </u>		-	āv.
		 :- -	ļ	 	of chalco at 474		•			;		ļ	1 2 2 2 2
		<u> </u>			- Occassionally the rock is	weakly hory			7.4		-	 	ļ
		 	 		1:45 PM -481 - Changing bit								-
, 		٠.							1.3				
	-			,	July 21, 1966							. 6-	
<u> </u>	430		9,		481-523 As before - Fluvio-glace	al material with						- '	
.200	494	1.	4'		minor non sulphides, chlorite with pyri	·				* /			-
		İ		 		· · · · · · · · · · · · · · · · · · ·							
494	497	+	3,	- 	Minor graphite on sheared fractures			· .	-				
497	499	1	1.5	<u> </u>	491-499 - Sheared parallel To c							<u> </u>	
459	502		3'	-	broken - chlorite about ; minor gra	photo sulphode			1			-	ļ · · · ·
<u> 502</u>	506	+	41	<u> </u>	about 116 (monty pry)				<u> </u>	ļ		ļ	ļ
306	516		-10-	<u> </u>	508/2-510/2 - chlorite schist is much as	744 664-164							
<u>عات</u>	5.26		10.		with 27to 5% printe - ship parallel -	15 co/e						,	
5.26	536		0,	-									

ed.				Bearin	g Lat.	Collar El.		Logged by	Irvine	<u> </u>	Erdma	11.15	
pleted				Angle	Dep.	Bottom El.		Remarks		1. The second			
iter				Length	Location	Level		, <u>, , , , , , , , , , , , , , , , , , </u>					
INTE	RVAL	CORE	RECOV	ERED	DESCRIPTION	NV.	Sample	Interval			ASSAY		
rom	To	Wt.	Ft.	%	DESCRIPTION	·	No.	1	,	444			
536	546		<u> </u>		523-556 Mainly b	edded quartertic zeds,		. :				· .	·
- - - -	556		16		highly alt with mica, chl, locally	yery calcareous; miner		135					•
	-	,			from sulphide (less than 1%)	, , ,		1 8			-		- ·
					chalco with pyrch	and the Control of th		\$ 64	i	. ,			
		-			• •	and the second s		,	3				
			l		Bedding is 60-90 to c		 		1				
			ļ <u>-</u>		common , material probably				1	\ -			
		ļ	 	ļ - -	origin as some sections	•		- <u> </u>					-
	<u> </u>		ļ	<u> </u>	gnessic as did nock at abo	ut 300 (t.)	 		<u> </u>	<u>i</u>			-
		<u> </u>	ļ <u>.</u>		530' - bads at was 1, 50	35 prog - 90;	ļ		<u> </u>	ļ			
			<u> </u>		5:30PM - July 21.					<u> </u>			
-				Ì						. • 5			
					July 23.d								
			10	1	55/ 567 B 11 1 4	1. ead. 4.				7			1
556	566		10	 	556-567 Bedded quart					\$- 			0
566	576	- 	1 .	 	locally calcareous sections high	_	 			1	***************************************		
<u> </u>	578		2'	<u> </u>	sulphides (less than 12); Cha	wepyrite blobs with pyrin	·		1	1 2	1.75		்
	<u> </u>	-	 		conductivity poor;		 		-	 			Č'n
<u>.</u>	 		 -		Bedding is 90° to core at 5		ļ				· · ·	16	
	<u> </u>		-	<u> </u>	567 - 518 Fluvro glocial me	aterial with boards	<u> </u>		 	 		W	
					of schists and quartzites;	sulphide content up !	9			;	K.		1

-hods	·			Bearin	ıg .	Lat.	Collar El.		Logged by	J. Erd	manis			
pleted		-		Angle		Dep.	Bottom El.		Remarks			· É		
riter				Length	1	Location	Level							
INTE	RVAL	CORE	RECO	VERED		DESCRIPTION		Sample				ASSAY		
rom	То	Wt.	Ft.	%		DESCRIPTION		Sample No.	Interval					
					2% with purr	hotite as main constitu	ient. flecks of	-	-					3-1-1-1
					1	n sections of quartrit	_						:	
*						zite with flakes of mic	. ,			1				
•	,						•	<u> </u>		 			ļ	
	<u> </u>	 				sections slightly lim	<u> </u>	<u> </u>		 	ļ		ļ .	
		ļ		 	1. /	Changed bit.				ļ			 	```
5.78	586	ļ	8'		3	Flurroglacial seds; co				ļ <u> </u>	<u> </u>	ļ	ļ	
£86	596	·	10		and publics, s	chistosic and gnessic;	chloritic shows at					ļ	ļ	
				ļ	45°-loozis of	core; schists micacio	us carrying							
					pyrchotite w	ith blobs of chakeppinte	: Sulphides putchy	,						
					up to 3 %	core wakly magnetic in	sections with		·				1,000	
		ļ				ductivity poor; Schis								
					1 2 2000	·f · / ·	,			<u> </u>	1			
				 		xis of care; Core in ma	est part bigbig				 			
<u>,</u>			<u> </u>	 	cilicious:	o Y					ļ			-
		-	-	 	5862 beddin	y ex shouring 30° to axis	aur alle kaldendeurse er en et selde ræm for Mandela ser drak annen i kader dage i i i selde gestelde.					ļ <u>.</u>	<u>.</u>	C .
		<u> </u>		 	July 27 12.		anne describe al material annue and annue of the second participation of the second participation and t	ļ			ļ	·	· ·	
596	606	-	10'	ļ	596'-636'	Flurioglacial sediments	as above; some	<u> </u>			1	ļ <u>.</u>		
<u> </u>	616	ļ	101		angular frag	ments; Iron sulphides	15-16 throughout				,			တ
<u>\$16</u>	626	<u> </u>	10'			f chakopyrite; Larger						-		1
:26	6.36		10		1	with quartzer carry c				1 3				

ied				Bearing	E Lat.	Collar El.		Logged by	J. Era	lmanis			,
unpleted				Angle	Dep.	Bottom El.		Remarks					
riter				Length	. Location	Level							
	RVAL	CORE	RECOV	ERED	DESCRIPTION		Sample No.	Interval			ASSAY		
†com	То	Wt.	Ft.	%	DESCRIPTION		No.					· · · · · · · · · · · · · · · · · · ·	ļ
					Texture grassic; bedding not defined; st	learing at 604						<u>-</u>	
**				·	50° toaxis of core; chloritical teration		•						·
					526 a 633 chloritic shears pocallila	axis of care							
*	44 5 11 - 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				,	1							
~~~					carry pyrite takes and arsonopyrite co				ļ				
					liny in part; shear zones carry minor	graphite.			+				
					conductivity poor								-
					Luly 28th								
(36_	6373		16"		636 - 6372 core broken; shearing				<del> </del>				<u> </u>
C372	646		86		affection, 20° to so toaxis of core;	6432 gizvein			ļ				ļ
646	650		10	<u>'</u>	3 wicle; 696 to 650 shearing p	orallel to mais							ļ
650	656		6		of core chloritic alteration, minor of				\.				
656	666		10'		sulphides about 5%; very minor or								
6.0	1000		1	1							·		
	<del> </del>	<u> </u>		-	overall conductivity poor	n 150	/			<u> </u>			0
	<u> </u>			<del> </del>	ENDOTHOLE AT 666	T 7 pm.	ļ						<del> </del>
		<del> </del>	<u> </u>	<del> </del>		-	<u> </u>		-	<del> </del>		<u> </u>	்ப
		+		ļ.	636-666. Fluo-glocial mate	<u>'(al</u>	ļ		<del>-  </del>	<del> </del>		ļ	13
	<u> </u>		<u> </u>			na takendakan muutuun en kononna keen akun dinnege arman arin on sa sa sa sa s	ļ		-		<u> </u>		<del> </del>
							<u> </u>			<u> </u>			<u> </u>
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12 JUNE 66.

DRILL HOLE STRIP LOG

VERY WINDY SOME SAMPLE LOST AS ITS. SPLIT

c	OMPANY			ACIST MINEX P/L PROPER	RTY	RADI	CIM	14112			SECTION _	٠.	ног	E NO. 0 3	5-25
5	TARTED		99·	50; 12/6/66 BEARING LAT.				COLLAR EL.			LOGGED BY	O. I	* W.	<u>.</u>	
C	OMPLETE	D		ANGLE -60° & N35 E. DEP.				BOTTOM EL.							
0	RILLER		R.		TION .	05 5	8007	11 - 0	·5 11	1657			**************************************	<u>.</u>	
	LENGTH FT	-0GY	RAL ADE			COVE		SAMPLE NO.			G	RADE E	ESTIMATE		
_	L R N	LITHOI	MINERAL GRADE	NEWANIO	FT.	WT.	%			ASSAY	x	ASSAY	FT.	ASSAY	×
	0 —	$\Box$	П			15	50			Cin	ASSAY		ASSAY		ASSA
		##		GREY MICH SCHIST & KALICHI SUGNICY BROWNISH, ALSO		ID.	38	2745							
				SOME GUARTZ								<del>                                     </del>			<del></del>
		$\pm$		AS HBOVE		29		2746		, , , , , , , , , , , , , , , , , , ,					
	10-			÷.		27	68				•				
	, ,	$\pm$		BE RBOVE MINIOR SOLPHIDES.		27	68	2747							
		11		(MAN; PYRITE & PYRRHOTITE.)				, ,							
		-11						·							
· (				PS. ABOVE		27	68	2748							
,9	20-			AS ABOVE	\$	25	63	2749				<del> </del>			
								1							
		##		AS ABOVE. STILL MINER		22	55	2750							
	30-	##		IRON SULPHIDES				,							
		+		PS PROVE.	·	25	63	2751		<u> </u>	· .	<u> </u>			
							ļ			<u> </u>	ļ				
•		oxdapprox	$\pm$				1 2 2			<u> </u>	<del> </del>	-		<b> </b>	- <del>()</del>
		+		AS ABOVE.		25	63	2752.							<del></del>
	40	$\pm \pm$		AS ABONE.		27	10	3-5-7		<del> </del>	<del> </del>	<del> </del>		<del> </del>	
	İ	#	#	ma: move.		ndiz /	60	2753	ļ	ļ				<del>                                     </del>	
		1.1	-1-1-	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s				<del>                                     </del>	<del></del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	

6,3.50	++1	$\coprod$		27	10	2754							
_	111	##	AS ABOVE.		60	2/34							
FO-	###	$\pm$	AT. ABOVE.	26	45	2755							
	111	++-	7.0. 745002.	1.28	2.5	2/-/3							
	<del>         </del>	##									· ··		
	###		AS ABOVE	29	フェ	2756							
.	++1		113000	<del></del>	1	~7.7.0							
0	411	##	AS ABOVE	26	75	2757							•
	+++		,	1	1	3-1-1-							
- 1	<b>++1</b>	#	STILL SOME KALLOHIL										
ì		1	GREY MICH SCHIST & QUARTZ	29	23	2750							
s.	, , ,	1 7 "	MINDA, IRON SULPHIDES PYRITE PYREM	1	1	3.7.7.					24.1		
· 0	111	#	AS ABOVE	2.8	70	2759							
j	###	#		1		/ /							1 -,
	111	44											
	111	丰	AS. ABOYE.	29	73	2760		-					
		#	week years and a second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second							,			
o	##	##	AS ABOVE 2-3% IRDAY SELLAHIDES	28	70	2761							
			MAINLY PYRRHOTITE).										* :
i	441	#							. ,	,			
		-#	AS ABOVE. FILTER ON	24	73	2762		,			-		
	$\Box$		DUST COLLECTOR CLEANES & MIN.	. /	T								
·> —		$\overline{\Box}$	AS A TONE BUT MORE QUARTE .	30	75	2763		0,008					٠.
			530 ABN SULPHIDE IPYRITE, PYRAM)	, .			, -				-		
	+	$\mp$								:	,		
E11.30			AS ABOVE.	31	78	2764						·	
<i></i>			PS ABOUT	27	68	2765							
					ļ.				٠-				
			AS ABOVE BUT SUGATY	30	80	2766							$\sim$
·>			LESS SULPHIDE (IRON PYRITE PYRE)						-				C 7
? <del></del>			MICA SCHIST (GREY) 4-5%	27	68	2767		0,008				,	
	$\pm F$	$oxed{H}$	TREM SHAPHINE (RY, DURRY) TRACE							·			்டா
		H	CHALCEPYRITE IN SCHIST.							7		·	ယ
				28	70	2768				•	<u> </u>		
<i>.</i> ?			AS HBOVE BUT NO CHALCO SEEM						,				
<i>ن</i> —													L
							•						25
					:	•	• .			الوال العالم الحميل العالم			

12 JUNE 66

# DRILL HOLE STRIP LOG

VERY WINDY SOME

COMPANY	/	7115	MINEX PL PROPER		Rni	ICIM	H111-1			SECTION _	SMLG	E, HOL	E NO. <u>05</u>	5-0-30
STARTED	09	50	BEARING LAT.				COLLAR EL			LOGGED BY	DI	a h	j. L.	
COMPLETE	-		ANGLE - 60° & N35 E DEP.				BOTTOM EL		,	• • •				
DRILLER	R.	on		TION	0:5 sc	XITI-I	n 0.	5 W	£5.7		•	· · · · · · · · · · · · · · · · · · ·		
**) <u>=</u>	ЭСҮ	AL DE		l	ECOVE		SAMPLE	FT.		G	RADE E	ESTIMATE		
LENGTH FT	LITHOL(	MINERAL GRADE	REMARKS	FT.	W,T.	%	NO.	.79 k	ASSAY	×	ASSAY	× .	ASSAY	FT.
12.0		·		·					/6 C <b>Q</b> .	ASSAY	1/2 Xn	ASSAY	Pb	ASSA
. 2. 0			GREY MICH SCHIST 4-5% IRON SULPHIDE (PYRITE & PYRRHOTITE)		30	75	2769	-	,					/
			ALSO QUARTZ & KALICHI.											
JIME 14			AS PROVE		32	80	2770							
`130 <del></del>			AS ABOVE		30	75	2771		0.008				·	
n 4 /35									· ·		,			
)52) 140			AS ABOVE		25	70	2772							
			AS ABOVE.		31	53	2773.		0.14					
200			ALLWAY!											
TIME ACE 12.050 15.0			AS ABOVE THEMES CHIPLED PYRITE		35	88	2774						<del> </del>	
150-			N TRACE OXIDE COPPER.  SKEY MICH SCHIST 4-54 IKON	ļ. <u></u>	25	/2	2775		0.02	<u> </u>	<del> </del>		<del> </del>	6.5
			SUIPHIDE (PYRITE & PYRRHOTITE)		25_	16:2	4//3		0,02	<del> </del>	,			
		i I I I	QUARTZ & KALICHI TRACE GLONI											တ
			TRACE CO. OXIDE. (HS. HBOVE)		27	68	2776						ļ	0
160			795 ABOVE BUT TRACE		27	68	2777							
7,	$\mp$		CHRLCOPYRITE. NO C. DXIDE.											

*	1-1-9	+ 1-	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s			ı - <del></del>	<b></b>					,	•
•	┞┼┼╏	#	AS. ABOVE BUT NO CHALCO -	29	<del>                                     </del>	2778		0.02		<del>                                     </del>			•
		#	b. NO. Cic OXIDE.	33	83								
20-		#	AS ABOVE NO CU MA SEEN	31	90	2779		0.006					
		- - -	THE THE SERVE	3/3	10	21/7		0,000					<u></u>
		#							•				
	┞╁┼┨	##	AS ABOVE TRACE CHARGOPYRITE	2) ==7	93	2780							
		#	A & Ch OXIDE.		7.7	2.730							
BO		#	AS KBOVE BUT MORE QUARTZ	75	1.2	2781		0.02					·
			L'EU OXIDE.	- <del>-</del>	2.7	~/ 0/		0 ( -2	* * * *				<del></del>
		#			<u> </u>							<u></u>	
		#	GREY MICH SCHIST HEN SULPHIDES	2.7	18	2752				<del>                                     </del>	<del></del>	•	
		1 1	(PYRITE & PYRRH.) ALSO FLAKES		1020						·		
190			AS ACOVE NO A SEEN.	2.2	55	2783		0,03					
		#	THE THE THE PERIOD	A-1/2-	ر.د.	<u> </u>		-, -, -, -,	<del></del>				
		#				<del> </del>		1.1		<del> </del>			
vit. - 115		#	AS ABOVE NO GESSEN	23	5-8	2784							
2 45		#	HA REIVE NO GE 15EN		1,2,	3 1 22 92			<u>-</u>				
120-		$\pm$	AS ABOVE BUT TRACE &	IAj.	25-	2785		0.90				<del> </del>	
		$\pm$	MOUVE AND THREE M.	129.	ررر	1-125		10.50				<del> </del>	
					İ			<u> </u>		<del> </del>		<del> </del>	
		#	195 ABOVE BUT SOME CHINCO-	20	80	2786		1.06	·	10.01		.001	40.00j
	<u>                                     </u>				100	2/06		1.00		40.01		20,01	20,001
20		5 1	- PYRITE.  195 GODUE SOME CHPLOOPYRITE	75	1/2	2787		0.70			<del></del>		
		#	115 BUDGE SIME CHERCEPYRITE	4.7	ردی	2/0/		0. 10				<b></b>	·
		#			<del>                                     </del>	<del> </del>	-				<del> </del>		·
			TIS ABOVE SOME CHALCOPYRITE	- 3	8	2788	·	0.43					
			NO CHIPS IN SAMPLE UNABLE TO		10.	4/33	,	1			<u> </u>		· · · · · · · · · · · · · · · · · · ·
20-		1 1			<del>                                     </del>	-		1.		<del> </del>	<del> </del>	<u> </u>	
		#	LIFT CHTTINGS - SOME WATER		<del>                                     </del>	,	<u>`</u>		<del></del>	<del> </del>			
		1	CONTINUE IN				<u> </u>			1		<u> </u>	<del></del>
		#			-4.					<del>                                     </del>	·	<u> </u>	
			Hole abandoned at 220'		1			<del>  </del>					
		士	FIGIE PIDURGIONECI GI KKO		<del>                                     </del>	<del> </del> -		<del> </del>		<del> </del>			
			no leases chila					<del>                                     </del>		<del> </del>	-		<del> </del>
		#	bring reasonable % of		-							<del> </del>	<del> </del>
		1	Ding reasonable is of		<del> </del>	<del> </del>				1		<del> </del>	<b></b>
		#	cultings to the surface		<del> </del>	<del> </del>	<del> </del>			<del> </del>		<b></b>	<del> </del>
	HH	++-	O'ampj		<del> </del>		<del> </del> -			<del> </del>	<u> </u>		
				l	1	<u>.</u>	<u> </u>	<u> </u>		<u></u>	J		
						•			• • • •	Me.			27
			in the second second second second second second second second second second second second second second second	, • • •						. i 🖥			
													$\frac{\mathcal{A}_{i,j}}{\mathcal{A}_{i,j}} = \frac{\mathcal{A}_{i,j}}{\mathcal{A}_{i,j}} \cdot \frac{\mathcal{A}_{i,j}}{\mathcal{A}_{i,j}}$

9,10SUNE 66

## DRILL HOLE STRIP LOG

COMPANY		015	TMINEX	PL	PROPER	ΤΥ	RA	ADICI	M HI	LL		SECTION	/		E NO. <u>2/V</u>	/- 7N_
STARTED	14:	43	9/6/66	BEARING	LAT.	į.			COLLAR EL.			LOGGED BY	E. S.	H & 1	W.Z.	
COMPLET	) } //	• .	A Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Committee of the Comm	ANGLE VE	OTICAL DEP.	• .			BOTTOM EL					· .~		-
PRILLER	TI.	04	YEILL	LENGTH "	LOCAT	.10N .	1 110	RTH	· - 7	W	ES7					
>	1	- 1	1. 160.				ECOVER		SAMPLE	-	1	G	RADE E	ESTIMATE		
LENGTH	LITHOLOGY MINIE RAI	A GRADE		REMARKS	√ γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ	FT	WT.	%	NO.		ASSAY	FT x		x	ASSAY	FT.
.0—	ni.			163 ×	6,,						Civ	ASSAY		ASSAY		ASSAY
			Diegonski zome ana	1/2//2/2	mica schist	\$	v 1G	48	2644	:				·		
			some qua								1 d 2					
·				<u> </u>			20	50	2645							
ن/ أثالويد من أ				i storie			203	73	2646		2 %					
Sec.		+	-9	3 3				* : :			10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to 10 to	· · · · · · · · · · · · · · · · · · ·	:			
								77.7					· · · · · · · · · · · · · · · · · · ·			*
							29	·73	2647			A 2			<del>                                     </del>	
120 -	╏┼┼╏╴	#					28	70	2648				<u> </u>			
		$\pm$		٠.	MORE GUNATT	di.	;	, ,	7.5-7.65							
		$\pm$		10 July 1980	The section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the se			15		1 .	, ,	/:			_	
		+		"			27	68	26119		1 1 1 1		7.7	<u> </u>		
30 —			£				28	70	2				25		19	
		$\Box$	Decoming	grey, co	sulphides		1 × 05	10	2650	-					+	
			FORA	3 427												-14
1			It above	cilli a	force of		30	75	2651						3.0	3
40-			11201 50.	prodes,	NICA SCHIST	<del> </del>	30	75	265 2	<del>                                     </del>	(O.005	-		<del> </del>	+	<del></del>
-			MCKE SUL	VE GREY SPHIDES	MICH SCHIST		٠٠٠	//->	1.403 4	<u> </u>	0.003				<u> </u>	
•										•	·	والمراجع والمستحدان والمالة		1	. 1	' N

	-11	1++	Continues in grey vice school	٤	36	90	2653							
150	-	HF	54 gt 11 von marides									<u></u>		
			As above will mare won		<i>⊋5</i>	88	2654						·	
1			sulphides 2% pyrcholite 1th py											
		H							- ;				,	
		H	"		39	98	2655							
					-		÷		\$ 7, *;		,			
60			Ha whose approximately 3% py and pyc (fine xals) in mica schist, 3% gtz		24	60	2656			· ·				
			puctfine rate) in mica schist 32/21/2			•			<u> </u>	:				<u>``</u>
		1 1	· · · · · · · · · · · · · · · · · · ·						··.			1. "		·
		H	As above	,	30	75	2657							
70				•						·			·	·
		H	As above	-	8.60	65	2658				# ·			
1	H	H	773 011000				1.0	6567	25.35.7			-		
				, ), ,				finite (			٠.		· .	· ·
)	H	H	As above, with loss quarte		30	75	2659				: '			<u> </u>
80_	H	╉┼┼		•								•		
		H	AS RAOVE		34	85	2660							<u> </u>
		$\Pi$										·	,	
		$\Pi \overline{\Pi}$				<u> </u>								· .
	$\Box$	$\Pi$	AS PROVE		36	90	2661							
90	H												•	
	H	+++	AS. ABOVE	. '': ,		· ·	2662							<u> </u>
		$\Pi$	WATER AT 94' 94 - 98 HOLE LEFT OVERNIGHT					·						<u> </u>
94	H	HI	94 - 98 WILE LEFT OVERNIGHT				٠, ٠							
	H	$\Box$	WATER DOWN HOLE UNTILL FULL						٠.				·	
E TE	┠┼┼	++	WET DRILLING NO SAMPLE CATAINE	ر,		<u> </u>			·	<u> </u>		. :	, .	<u> </u>
98	H	HH	98-111 WARESTRICTED WATER FLOW	<u>.                                    </u>	5	1/3	2663	<u> </u>					· .	<u> </u>
1		111	DRYED OUT LUCK 2 FOOT							<u> </u>	:			<u> </u>
	H		SAMPLE (DAMP) OBTAINED		<u> </u>					· -	<u> </u>		ļ	ļ
			OTHERWISE AS ABOVE						<u> </u>					ļ
110 -	$\Pi$					<u> </u>	<u> </u>	<u> </u>	,		ļ		ļ. <i>.</i>	(
"0 —	H	1-1-1	DAMP SAMPLE POSSIBLY DETERGENT		80	200	2664				-			J. E
	H	+++	SAMPLE FROM SIDE OF HOLE	,	-									
	H	H	BONN OTHER WISE AS ABOVE.				14.5							_ د
	H	<del>       </del>												C.S
1120	H	111						ž						
120 -	111	111	AN IGH JUME	T .					-					1

STARTED 12.45 ON 104 JUME.
AFTER OVERHIGHT STOP.

9, 10 JUNE 66

## DRILL HOLE STRIP LOG

STARTED	14 45	9/6/66 BEARING LAT.				COLLAR EL.		· ``.	LOGGED BY	E.S.F	1 & h	1. 2.	
COMPLETE		ANGLE VERTICALI DEP.				BOTTOM EL.	v	,					
ORILLER	R. O.	NEILL LENGTH LOCA		1 N	ORTH	1 - 7 n	JEST	-	· .		-		ā
			RI	ECOVE		SAMPLE			. G	RADE E	STIMATE		-
LENGTH FT:	LITHOLOGY NINERAL	REMARKS	FT.	WT.	%	NO.		ASSAY	FT. X ASSAY	ASSAY	FT. x ASSAY	ASSAY	FT. */a ASSAY
/2 o —			ļ <u>:</u>	ļ	<u> </u>			Cier	MOOMI	2-	ASSAT	Pb	135,72
		120 · /23 DRY SAMPLE.	<u> </u>	WET	<u> </u>	2665	<del>                                     </del>						· · · · ·
	┝┼┼╬╌┼┙	大阪 123-126 WET SAMIPLE		<u> </u>							1	<u> </u>	·
126		AS ABOVE.  DARK GREY MKA SCHIST & IRON	-	WET	<b></b>	2666			1.15			1.	
		SULPHIPES (PYRITE PYRREOLITE.)		y y 1						1		1	
129 -		AS MBOVE		WET.		2667.			· .	<b>`</b> .			
		HOLE MAKING WATER TO FAST FOR					·						
134		DETERGENT DRILLING . NO WATER .						:	•-				
λ		AS ABOVE DODED	ļ	WET,	ļ	2668	•	,			•		· · · -
139 -			<u> </u>	ļ								<del>  • • • • • • • • • • • • • • • • • • •</del>	ļ ·
Ť		AS ABOVE.	<del> </del>	WET	ļ	2669					:	<del> </del>	-
144			<del> </del>				ļ		<u> </u>	<b> </b>	<u> </u>	<del> </del>	1
,,-		AS ABOVE.	<del> </del>	WET	<u> </u>	2676		20,005		<u> </u>		1	1.
			<del>                                     </del>	100-1	<del> </del>	2670	<del> </del>						<del>                                     </del>
149 -		DARK GREY MICH SCHIST ZIRON		WET		2671		, .	٠.				73
		SUPPLIES (PYRITE DYRRHOLITE) SOME											-
154		QUARTZ & SOME RUSTY WELLINED SPOTS						•					· ·
•		AS ABOVE BUT ABOXIT 5-1030 SULVINIO	<u>e s</u>	WET.		2672.	ļ	ļ. ·		•			ļ ·
154		A MORE QUARTE	ļ	-	ļ		<u> </u>			ļ			<del> </del>
16	┠┼┼╏┼╴	AS ABOVE 10-15% SULPHIDES	İ	WEZ	.	2673		1				1	1

d	出		10% SULPHIDE IRON ES CTHERWISE	WET	<u> </u>	2674							
169-	廿		PS ABOVE, LESS QUARTY									<u> </u>	
			AS ABOVE	WET		2675							
174	出									·			
			AS ABOVE. (NESZNHA)	WET		2676							
179-													
		1	AS ABOVE "	WET		2677		20.005					
1	出												
184				Ī .									
			AS ABOVE. NEGATIVE AMMONIA	WET		2678	·						
189-			CHECK 10-15 % SULPHIDES (IRON)										
139	$\mathbb{H}$		ASA BOVE	WET		2679				· ·.			
			-	-						• .	. '		
1 - 17		<b>-</b>  - -		1			•						
)	Н		AS ABOVE, TRACE STAVER LOUSINED	INET	-	2680							
160-		<b>1</b>	SPECICS					٠,					
77	$\coprod$	$\mathbf{H}$	AS ABOVE NO SILVER SPECKS	MET		2681							
	H		SEEN						. ,	. ,			
	H		SEEN		,		•						
			AS ABOVE.	WET		2682							
209-	$\mathbb{H}$		<b>=1</b>				:						
. 207			AS ABOVE	VVET		2683		0.009	+ + 2 + <del>+</del>				
•		1++											
	Ш			3				,					-
1			75 ABOVE 10-1590 SCILPHIDES	WET		2684		0.010	1				
219 -	Ш	┨╌┼╾┼	(IREM)							,			
29			AS ABOVE 15-20 /2 SULPHIDES	WET		2685		0.010					-
fi.			ZRUWN PPT & NULL (IRON)			-							-
1.1			THERE								1.4		-
	Ш		AS ABOVE. TRACE SILVER	WET		2686		0.013		0.04		0.01	20,00
229 -			COLSUMED SPECKS CHANGE BITS						,			<u> </u>	1
	田	1	Rods plugged had to pull	Wet	-	2687							
1	田		Rods plugged had to pull										-
1	$\coprod$	111	<del> </del>										
	田		Continuing in grey mica schist	Wet		2688		0.012			·		-En-
239		1-1-1	cinorax 10 % iron sulphides										
		Ш											
· · ·													

 $\sim$ 

10 June 66

	· 		BEARING LAT.				COLLAR EL.			LOGGED BY	E.51	V cy la	1. L.	
COMPLETE	D		ANGLE Vertical DEP.			•	BOTTOM EL.			• • .				
DRILLER	R.	01	Nail LENGTH LOCA	TION Z	noro	1k	· 1 We	57		•				
LENGTH FT.					ECOVE	· · · · · ·	SAMPLE NO.	FT		G	RADE E	ESTIMATE	s ,	• •
ENG FT	支	INERAL	REWARKS	FT.	WT.	%	140.		ASSAY	FT.	ASSAY	, FT.	ASSAY	FT
		124							Cc. 4.	X ASSAY		X ASSAY		ASSA
33 <b>9</b> —	$\overline{\mathbf{H}}$	ĤŦ	Cray mica schiot with up to 15th		Wet		2689		0.010					
	$\pm$		sicon sulphides and minor quarte											• •
3/100	#		, , ,	ļ	. , ,			-			<u> </u>			
49_			As above, with gry flaky mineral,		1/ct		2690		0.010 -			<u> </u>	<del> </del>	
, 17	++		Craymice schirt with 15 to 20%	<del> </del>	Wet		2691		ළ,දෙය					
54			iron sulphides		1,12,1				e					,
			Leave to	,					. 9				• :	
				- :		<u></u>	7692	<u> </u>	<u> </u>			·. »		<u> </u>
59_			Hole abandoned at		<u> </u>		ļ			: .				
	H			ļ	<del> </del>	ļ	ļ <u>.</u>	<del> </del>			<del> </del>		ļ · · · ·	<u> </u>
			254'	<u> </u>		<u> </u>				2.04	ļ		-	<del> </del>
				<del> </del>		<del> </del>	ļ	<del> </del>				<u> </u>	1 1	3,
			The amount of cutting	<del>                                     </del>	<del>                                     </del>	<del> </del>		ļ		\$	1		-	
			recovered dropped off	+	†	†		<del> </del>			1 - <del>1</del>		1	מ כ
		1	sharply in the last						·				1	<u>ත</u> .
			20 feet and we were					·						•
		$oxed{\Box}$	no langer getting a										0	. 47
			representative serviple	ļ		<u> </u>		<u> </u>	,		_€		1	1
•	丗				ļ		,	ļ	ļ <u></u>			<u> </u>	<u> </u>	<u> </u>
			It appeared that the	1	ļ	ļ					<u> </u>	<u> </u>	12.	

luncer force the cuttines 1 > colum of water in the no lo ; . . ٠. - 4 143.5 - 62 Contract No. 13 . . . 0 6 : ی j. --. . . "是一个 4. • • . . Ü i. ٠. ٠. ١. -. · (2) . . ٠,٠ - .; 

11 June 66.

COMPAN	Y	RU	STMINEX P/L PROPER	ITY	MA	DICIA	1 HILL			SECTION =	SML 98	ног	E NO	5-7W
STARTE	D //	30	11/6/66 BEARING LAT.	-			COLLAR EL.		,	LOGGED BY	E. S. 1	4 6 W.	۷.	
COMPLE	TED	:	ANGLE VERTICAL DEP.				BOTTOM EL.		•				:	
DRILLER	1	R.	CNEILL LENGTH LOCAL	TION	1 so	NTH.	- 70	VEST					•	
LENGTH	-06Y	MINERAL		RE	ECOVE		SAMPLE NO.	FT.		G	RADE I	ESTIMATE		
ž i.	H	GR/	REMARKS	FT.	W T.	%	1,0		ASSAY	FT.	ASSAY	FT.	ASSAY	FT.
		-					·		0/0 C	ASSAY	0/0 Zn	X ASSAY	% P6	X3/A ASSAY
	1++		Hica schist with approx. 10%		17	43	2692							
	H		quarte stringers, yellowisk gray with					-			• .			
			quarte stringers yellowish gray with asty patches Ha above		29	73	2693		<u> </u>					
10_			17.2. αροκο			//	A025							
,			As about		183	45	2694							
												•		
منتعر			As above		23	50	2695				-	<del> </del>		
120_						120	~~~	·		<u> </u>	<del> </del>	:		
			As above, still no sulphides	,	24	60	26.96							
								· · · · · ·			ļ		<u> </u>	
			As above		211	60	2697			<u> </u>	<del> </del>			
30-						6.0								
. 50			AS ABOVE 25/2 SULPHIDES (PYRITE		28	70	26.98				· .			- <b>L</b>
			PYRROHITE ) 5			-					<del> </del>	1 . *		<u>ာ</u>
			AS ABOVE BUT 192 SULPHIDE	•	25	1.3	2699			ļ	<del> </del>	1 12		
10			(PYRITE, PYRRONITE).		_~./_		- 577					<b> </b>		*****
40			BS ABOVE.		30	75	2700							
Ţ	-   -					<del> </del>								W

4	111	+				1		,			J	white another track or was		J	
		+	AS ABOVE		25	13	2701		<u> </u>			.,		<del>-</del>	<u>-</u> !
ير غ	H	+				100	~/~/								ĺ
	H	$oxed{+}$	PS PBOVE 1% SULPHIDES		40	100	2702	<del> </del>	20,005						;
		$oxed{\mathbb{H}}$	PYRITE PYRROHAE			7.57.53				,				,	•
4		+-	-				, .			* N		·			
			AS ABOVE		38	95	2703			• .:	•				1
60-			-				•					•			
			Monatonously similar to above	,· \ \	.32.	80	2704					.,			ĺ
•		$\Box$	/	, <del>,</del> , , ,											- }
		#													
TIME 12 14	1	盽	DITTO		39	98	2705					<u> </u>			
10-						<u> </u>		· ·						<u> </u>	ان مصو
, -			As above with about 15% of a		37	93	2700		20.005		0.01		20.0i	L0.001	
ė			Lilling small fractures soft officed								ļ	·			
1646 5-4 +		$\overline{\mathbf{H}}$	filling small bractures soft officed			0.5			ļ						
205-13			AS ABOVE		34	1	2707	<u> </u>		,				-	ŀ
ن ا			AS RBSUE			11						••			
			73 - 7050E		3/	18	2708		· · · · · · · · · · · · · · · · · · ·	•	<u> </u>		,	- ;	٠
		土		*		•	<u> </u>								
			AS ABOVE	···	39	00	2200	<u> </u>			<u> </u>				
	甘		175072		37	10	2709.	<u> </u>							
Ç			AS ABOVE		33	92	2710	<del> </del>			<del> </del>	<u> </u>	· ·	· ·	:
						100	4//62								;
	H				· .	<b> </b>	_			· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·		<u> </u>	
	$\Box$		As above		37	55	2711		<u> </u>	• • • • • • • • • • • • • • • • • • • •			-		bs. r-
			<b>1</b>		12-4		1 / / / / _							, · · ().	
7:42.""			AS ABOVE		32.	20	2712			• •					
		Ш		. '											ŀ
	出土	ĖН								:,				•	}: }:
			Continuing through micarenis schist		32.	80	27/3.								1
10-			2% woh sulphides 3% quartz												1
•			Pos above 14 work sulphides	336	32	80	2714		٠., ١						.
						1	·	· .		١.					Ì
					1.3					·					1
			As above.		30	75	2715	<u> </u>							ļ
1º0 <u> </u>			1	·		1									ì
	Ш														

COMPANY		Tus	+ minex PROPER	TY	Sadie	1119	14411			SECTION _		ног	_E NO. <u>[5</u>	-7W-
STARTED	11.	30	11/6/66 BEARING LAT.				COLLAR EL.			LOGGED BY	E. S.	14 4	W. h.	
COMPLET	ED		ANGLE Vertical DEP.			<del></del>	BOTTOM EL.				**.	•		•
DRILLER			VICH LENGTH LOCAT	TION	15-	7 le.	ノ <del></del>		<u> </u>					
3TH (	₹90°	RAL	REMARKS	RE	COVE	RY	SAMPLE NO.	FT.		(	GRADE I	ESTIMATE	<u> </u>	
LENGTH FT	THO	MINERAL	NEWARRS	FT.	WT.	%	140.		ASSAY	FT.	ASSAY	l x	ASSAY	FT.
1200-	<u> </u>					,			Cir %	ASSAY	J. 92	ASSAY	Zn 1	ASSAY
			Grey musiceous schist, est 1-2% was sulphides, 2% quarte, some calut	, 	32	80	2716		• •					
130		<b></b>	As showe		26	65	2717							
/30_			As above with less was sulphide		35	28	2719							
	掛		As above		33	83	2720							·
)40_			As above		32	80	2721			, .				
					_	_			:			100		
150_		╂┼┼	As above		38		2722					447		
			143 6600		3.5	88	2723		20,005					3
160	H		Rock appears to be less micaceous, less schistose (1-2% com sulpho	.,	29	7.3	2724			·	-			*
. C. <u>Z</u>			175 above		33	83	2725							
Ţ			A CONTRACTOR OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY O		*									

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-		<b>!</b>	As above	32	80	2726							
170												, ,	
			As above	35	28	2727						<u> </u>	
									٠,	. ;			· · · · · · · · · · · · · · · · · · ·
		$\Pi$	Becoming gradually more compact	37	93	2728				6319-7			
180		$\Pi$	Becoming gradually more compact, weakly schistore, 1.2% to sulphides 'As above.		1	1 2 / 2 / 2	11/1	€.		<del> </del>			
			7 above	10	25	2729	4	:		† :			
											<u> </u>		
183			Hit water at 183', 2ff faction										
			soft drilling then Hin clare			2730	Wet						
୍ଚ୍ଚ			now using the 1.13 Teble			1020	1						
-			weekly meacous schist with			27.31	1/1-1-			<del></del>			
16. 2			1 to 2 % iron sulphides	:			1,72,7		• ,				
193	$\pm \pm$												
<i>i</i> 38			As above			2732	Wet		•				
€ <del>€</del> €	+	lacksquare				/- =				· · ·			
			Grey weekly me accour schist with 5 to			2733	Wet			١.			
			16 % won sulphides					·		· .			
						2734	Wet	0.003					
			Fissay the next few samples, deck					· · · · · · · · · · · · · · · · · · ·					
108	++		Possibly some pad, strange finth		12°						7,1		
·			Possibly some lead, strange finth			2735	W/kt	८ ७ ८ ५		· .			
			an 1 B. table, 20% sulphides									-	
			•										
510	11		As above, late of sulphides			2736	Infel	0.038		0,010		0.021	
218	#	$\vdash$							, 	:-			(
	##		As above, 20% sulphides same		1	2737	Wet	0.000	Page	1.			
	11		mantite stees atter gray monals	1 . :		,	,						•
300			As above			2738	Wet	5.018	,				
<u> </u>										1.4-			
	##		Percent sulphides has deepped off			2739	Wet						~7
ļ	$\Box$		(5% to 10%)					Targe.					j-m-b
	##			· v									
, , , ,	##		As above with less sulphiles			2740	Wet						
338	##		(spress 5%) contined										
1	Ш												

 $\overline{\mathcal{V}}$ 

11 June 1966

1/20	//.	30	11/6/66 BEARING	· LAT.		· - · · · · · · · · · · · · · · · · · ·		COLLAR, EL		<u> </u>	LOGGED BY	E.51	1-1 4 h	1.6.	·
COMPLETE	ED		ANGLE Vertical	OE P.				BOTTOM EL.			•	٠.	· · · .		
DRILLER	F.	0,	Meill LENGTH	LOCAT	ION /	00.50	outh	700 1	hlosi	1					
) HE	¥90.	RAL	DEMANDE		RE	COVE	RY .	SAMPLE	FT.			RADE	ESTIMATE		. ,
CENGTH FT	LITHOL	MINERAL	REMARKS		FT.	WT.	%	, NO.		ASSAY	FT. x ASSAY	ASSAY	FT. x ASSAY	ASSAY	FT. x ASSA
7.00	$\blacksquare$		Dark gray weekly micerenus se.	hit,			1./6/	2741							
			1-5 % was sulphides, minus	quarts							· ·				
48			As above (3-5% wow see	[pk:ides]			h/cf	2742							
			Fls above				Wet	2743	¥.,,						
·			It above with less sul	shider			11/2/	2744							
E 58_			1-2% pyrite & pyrike	of the			<i>FV(. /</i>								ļ
·			258' end of h	lale											·
															<u> </u>
			Recovery denuncia		79										
			Becoursy dropped body forward the	1110	,									·	77
			It is belonged to	hat											
1			the anomaly has bee	12	··										

.8, JUNE 66

STARTED	13	co:	3/6/66 BEARING LAT.			•	COLLAR EL.			LOGGED BY	E. S. F.	1 & W.	L. W D.	<u> </u>
COMPLET				:		÷	BOTTOM EL.		. 1	·			•	
PRILLER		R.		TION	?- <i>Soi</i>	シナト	- 15V	VES:	<del>,</del>					
LENGTH FT.					ECOVE		SAMPLE NO.			G	RADE E	ESTIMATE	•	
L E	LITHOLOGY	MINERAL GRADE	NEWATING	FT.	WT	%			ASSAY	FT. x ASSAY	ASSAY	FT x ASSAY		FT. x ASSA
0 —	П	П	BIOTITE SCHIST	<del> </del>	20	50	2601		City		<u> </u>		<del> </del>	
•			01011112 2011131		10	E/ C/	14 C(,))							
• • • •											1 .			ł
			BOITITE SCHIST		32	80	2602							
10-				<u> </u>										
			BOITITE SCHIST - PYRITES PYREHOTI	76	3/.	78	2603.				ļ		<u> </u>	ļ
						·				· · · · · ·	<del> </del>			ļ
			BOITITE SCHIST - PYRITE , PYRRHOTITE		35	80	2604	<b></b>	: '				<del>                                     </del>	<del> </del>
20-			& CALCITE.	ļ.	3.3	0.50	26 G(12f-	<u> </u>						
20-			BOITITE SCHIST - PYRITE, PYRRHOTITE		26	90	2605				<u> </u>			
			& CALCITE									ļ.		
				ļ			· · · · · · · · · · · · · · · · · · ·							
٠.			7 11	ļ	37	93	2606						<u> </u>	
30-				<b></b>				ļ		· .				<u> </u>
•			11 11		37	73	2607			· ·	<u> </u>		r	
					<b></b>	<u> </u>		ļ			<del> </del>		132	1
			4 11 11	<del>                                     </del>	34.	85	2608	<del> </del>	<u> </u>		<del>                                     </del>	,	टे	-
· .			NEW BIT		37	5, 2,	1000				-			
40-			4 " " "		29	73	2609					<u> </u>	1	-
					1	1				<del> </del>	<del>                                     </del>		1	<del> </del>

. <u>L</u>		$\blacksquare$			28	.70	2610		<del></del>	·	-			,
<u> </u>		###	n n		70	10	~0/0							
<del>}                                    </del>		###	PARK GREY BOITITE (OR MICAGEOUS)		34	85	2611							
-	- -	###	SCHISTS . PYRITE, PYRR. CRECITE LOURS	7.>										
.	$\Box$	111	,							· · · · · · · · · · · · · · · · · · ·	١,		-	
· F	Н	111	n u 'h u		38	95	2612						ļ	
<u></u>	H	+												
			,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,,		35	88	2613	· ·	<u> </u>					ļ
Ŀ	<u> </u>	##	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	-		1						,		<u> </u>
		##							· · ·			· ·		<u> </u>
·		##	re a n R		36	90	2614			· · · · · ·			ļ	
>	‡‡		NEW BIT	-		<del>  </del>			·		ļ	<u> </u>	<del> </del>	
þ	$\mp$	##	<i>p</i>		36	90	2615		,		<del>                                     </del>		<del> </del>	
F	##	++			<u> </u>		<u> </u>						<del>                                     </del>	
	+H		The second of the second of the second	<del> </del>	40	100	2616						<del> </del>	ļ
[			MICE SCHIST Z. PY, PYRR & QUARTZ	-	70	100	2.01 B					<u> </u>		
0			5% SULPHIDE MICH SCHIST DARK GREY, PYRITE		31	78	2617		20,005				<del>                                     </del>	· ·
		$\pm$	PYRRHOTITE & QUARTZ.	<u> </u>	, , , , , , , , , , , , , , , , , , ,	1	~0//					. •		
.		1	TO YARROTTE & GOART ST											
	++		SOME RUSTY SPOTS IN THE MICACEOUS		34	8.5	2618				:			
,			SCH157											
0	#		à à a a		32	80	2619							
				,							<u> </u>			1
	+													<u> </u>
•	$\prod$		te n te 'es		37	93	2620						1	
20	$\coprod$		E CALCITE	<del> </del>	ļ				·			-	<u> </u>	<u> </u>
	#		GREY MICRCEOUS SCHIST & PY, PYRR.	<del></del> _	28	70	2621			<u> </u>	<u> </u>	· `	_	
	#		Q72. L CALCITE.	<del> </del>	<del>                                     </del>	<u> </u>	<u> </u>	\		<u> </u>	<del>'</del>			( )
<i>;</i> ·	#			<u> </u> .:-	-				ļ	<u> </u>	+	1		(
	#		AS RBOVE & CORRSE CHIPS.	-	.34	85	2622	<del> </del>	<del> </del>			<u> </u>		-
<i>iQ</i>	#		2.0	+	30		2/22	<del> </del> -	<del>                                     </del>	<del> </del>		<del>                                     </del>		<del>-</del>
	-		AS ABOVE	+	190	1/3-	2623		<del>                                     </del>			<del> `</del>	<del>                                     </del>	L
	oxdot	$\mathbf{H}$		+	1.				<del>                                     </del>	<del>                                     </del>				-
·	$\mathbf{H}$		AS ABOVE.		39	98	2624	<del>                                     </del>		<del>                                     </del>		-		
			AS ABONE.	1	+ "/-	100	2024		1	<u> </u>			1 270	1.
30-	- - -	H	CONTINUED.	1.	1	<u> </u>		<b> </b>		<u> </u>				
	<u> </u>		( CONTINUED.	<del>-!</del>				1	<del>'</del>				14	<u> </u>
	•				•			•		•				0
									•					• • •

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, NA	AUSTMINE	× P/L	PROPERTY _	RAL	DIUN	1 HILL	-		SECTION		ног	.e no. <u>25</u>	- 15 W
ARTEO	1300 - 8/6/	66 BEARING	LAT		:	COLLAR EL.			LOGGED BY	E. S. F	1 & W.	L.6 D	.7
COMPLET	ED	ANGLE VERTICIAL	OEP.		<u> </u>	BOTTOM EL.		· · ·		:	- ,		
DRILLER	R. ONEIL	L LENGTH	LOCATION	2 500	174	- 15 W	EST		·			: 12	
	OGY RAL DE			RECOVE	RY .	SAMPLE NO.	FT.		G	RADE E	STIMATE		. ,
LENGTH	LITHOLOGY MINERAL GRADE	REMARKS	FT	WT.	%	NO.		ASSAY	FT. x ASSAY	ASSAY	FT. X ASSAY	ASSAY	FT. X ASSAY
? O —	11111				1.	24.55	<del> </del>	رنند		<u> </u>		<del></del>	-
		ICACEOUS SCHIST & PYRITE		36_	90	2625	<del>                                     </del>						
	HI WARAN	TITE, QUARTY & CRACITE CORRSE CHIPS	•										·
	AS A	BOVE	· · · ·	35	8:35	2626						<u> </u>	<b>!</b>
100-	0: 02			37	0.2	26.27		20,005					
	AS ABO	OVE IT & COLLECTOR CLEANED	· .	2/	7.7	1202/		20,000		·			
							ļ			•			
<u>,                                     </u>	AS A	BOVE		40	100	2628						1 .	
1140-				38	95	2629	+	+:	-			+	<del> </del>
$\tilde{T} = 0$			·   ·	125		202/	6,						
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<u>ر</u> ا	#	1 14	·	NLY MINOR IRON SULPHIDES - MUCH						,	1 (4)				
€ —	4			MORE QUARTZ & SOME MUSGOVITE FLAKE		24	60	2637		20,005					1. 10.475
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	#		4							,	\$5. H. E.	1 2 1 1 1 1		• .	-5
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10-1	#			LICK FOR CVERNIGHT HOLE	· ——-	26		2639				. *	<b>\</b>	• ,	
ĺ	##			WET IN MORNING		~ ~		, ,							
1	#			35 FOOT OF DRIVLING										1 2 2	
				BEFORE SAMPLE DRY				2640							
		1	1-1-	ENDERGH TO REACH				2639			'-				, , ,
170 —				SURFACE FIRST PART	:						1	1			1.7
´ ·				OF SAMPLE MOST PROBABLY									- 204		
			_	STUCK TO WALLS OF HOLE			1							*.	
				SE THAT SAMPLE OBTAINED				1,		<b> </b>					1
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20		Ҵ	$\parallel$	10 - 15 FOOT SEMPLE OFFICED			1	2639							<u> </u>
				WAS DAMP, PARK GREY	·			1		<u> </u>					
		#	$\sharp$	MICREEDIS SCHIST.				<b>—</b>							
			$\sharp$	THEREESE SCHOOL	<del></del> .	4.						1		7	
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X5.		<u> </u>	1				-								C
•		##		TAMP MAK GREY MICHOROLIS!		55		2640							
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270 —				SAMPLE OF CONTAINS CONTAININ			. .	1	1		1	<b>†</b> .	<del> </del>	† · · · · · ·	o o
		#	$\Box$	ATION FROM ABOVE 35 FOOT			1					·			
	H	#	$\sharp$	AS ROP PULLED FOR BIT		<b>.</b>	T	•	1						
	出	#	$\coprod$	CHANCE.	1, 1	<del>                                     </del>	<del>                                     </del>	1			<del>                                     </del>			<u> </u>	\$1
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8, JUNE 66

FANY	. 170	USTMINEX	P. / L.	PROPER	TY	KAVI	<i>J</i> [ ]	FIILL.		· · ·	SECTION			ξ NO. 22	7,3 0
0	13.00	8/6/66.	BEARING	LAT.				COLLAR EL.		· .	LOGGED BY	E. S.H	, WL	K D	· Z
. )MPLETE	. /	1:45 9/6/66	ANGLE VERTICAL	DEP.		··		BOTTOM EL.							
DRILLER		ONEILL	LENGTH 245	LOCAT	ION .	2. Sc	USTA	1 - 15	"WE	ST				·	
)	96Y	i ii		٠. ٠	RE	ECOVER	RY.	SAMPLE NO.	FT.		G	RADE E	STIMATE		•
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`3 o —	T T A			. /.			13	n / · ·		0,006	ASSAT	0.04	ASSAI	Pl. 6,02	40.00il
		1)011212 5	ample muc sch ruper neur sulph	ist.		_5_	13 .	2641	,		*	0.04	-	0.02	20.000
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10		As abou	e, sample stick	rieg_		_5	13	2642			· .	ļ			
,		Only ver	y fine dust rea			4).	10	2643							
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770				•,	<u> </u>	<del> </del>		26 #Z				<del>                                     </del>	-	1	
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12 JUNE 66

COMPANY		HIL	STNINEX P/1 PROPERT	тү	RAD	cing	1111	. 12	· ·	SECTION	SML 9	<i>18</i> ) HOL	E NO. 4.1	2-12点
STARTED		14.	50 12/4/66 BEARING LAT.				COLLAR EL.			LOGGED BY	<b>D</b> I	t ind. I		
COMPLET	E D		ANGLE 60° N35E DEP.			· · ·	BOTTOM EL.					,		
DRILLER		Ř.	UNEILL LENGTH LOCATE	10N /	500 1 182	11 F. [ 2 <b>T</b> F]	- 15	WE	57					
) H L	.0GY	RAL			COVE		SAMPLE NO.		· · · · · · · · · · · · · · · · · · ·	G	RADE I	ESTIMATE		
LENGTH FT	LITHOLOGY	MINERAL	REMARKS	FT.	WT.	%	140.		ASSAY	×	ASSAY	×	ASSAY	FT.
0		<b>K</b> F :						.`		ASSAY		ASSAY		ASSAY
		▋┼┼	GRAVIEL				HOSANA	ë						
	$\coprod$													
,			GRAVEL & NEATHERED SCHIST		<b>ぶ</b> つ	75	278.9					· · · · · · · · · · · · · · · · · · ·		
4.0	丗		GRAVEL & NEATHEREN SENIST		30	-/ )	4.5 3.7			· · ·	-			
/0	扭		MEATHERED SENIST (BROWN)		32	80	2790			<b></b>				
								÷						
		111							,					
)			HEATHERED SCHIST (BROWN)	)	25	63	2791							
. 1 . 20 —			WERTHERED STAIST (BROWN)		36	90	2742							
				,	·		,							
		111								ļ	ļ			
			NEATHERED STHIST (BROWN-GRE	×)	34	85	2793			·	<del> </del>		C.	
30-			Paramental and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second a second and a second and a second and a second and a second an	ţ1	22	05	2794			<del> </del>	<u> </u>		<u> </u>	
. *		┇┼┼	SCHIST		20 85	0.2	~ / C/A							
	H								<u> </u>	<u> </u>	<b>†</b>		8	
	$\coprod$		AS ABOVE TO		36	90	2795				T			
40-			MINDR IRON SILENIDES					-						
. , -			AS ABONE 2 MINOR IRON		34	85	2796		•					
			SUMPHIDES (PYRITE & PYRRHOTITE)			ļ								·

H		AS ABOVE		30	75	2797					. ,			
	#	AS ABOVE & QUARTZ		30	75-	2798								1
		V KALICHI										,		
. H		AS RBOVE		32	80	2794						• .		$\frac{1}{1}$
		RON VERY LITTLE BURREZ.		33	83	2500								1
		AS ABOVE		33	83	28/01			·		٠,			- - - ,
		AS ABOVE.		34	85	2802				•				
		AS. ABOUTE		32	80	2803		• •	•					
		PS PACUE	,	38	95	2804				,				1
		AS ABOVE MINIOR SULERINES	0	3 zj.	85	2805	, , , , , ,					,		
		RES FABRICE 19-27 GUIPH MES IRMY (PYRRHOTITE & PYRITE)		3/	18	2806		<u>.</u>						
		AS ABOVE	·	$\hat{J}_{\mathcal{O}}$	75	2807					,	2 -		
		AS ABOVE MINDR SULPHIDES.	x Y	35	ઇંટ	2808						-		
		AS ABOVE	-	35	99	2509		,						1
				31	78		,			-			J O	
·		AS ABOVE									· i ·			
	#	AS ABOVE		36.	90	2811	· · · · · · · · · · · · · · · · · · ·							-

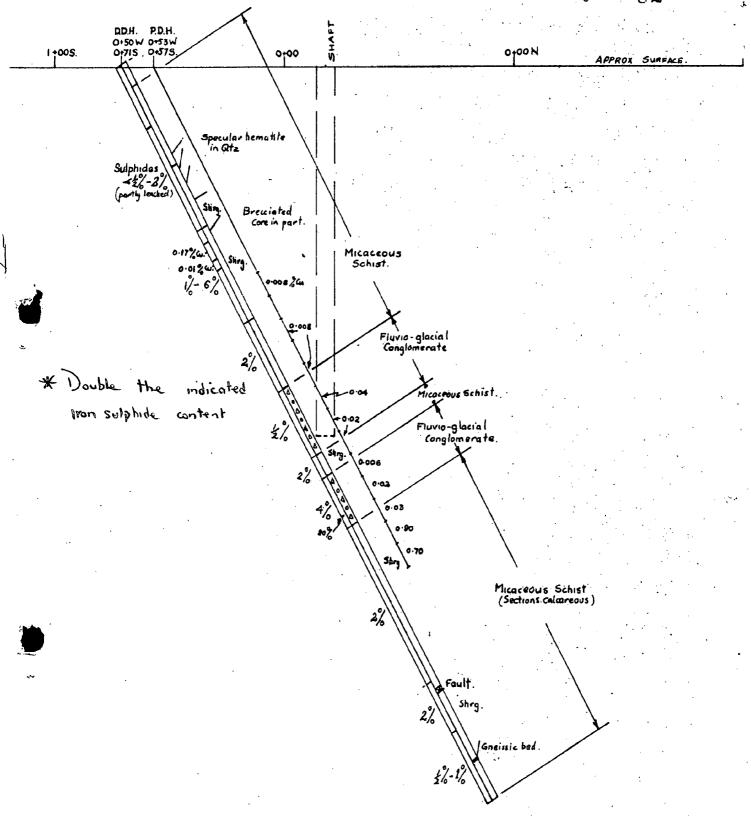
hope we have the second of the second

12 JUNE

STARTED			BEARING LAT.		• 1	• (	OLLAR EL.	<i>:</i>	· .	LOGGED BY	.E. I.	-10 & 1	V.L.	<u> </u>
COMPLETE	 >.	.//-/	AND THE RESERVE OF DEP		•		BOTTOM EL.	- • .	· ;·		-			•
DRILLER			ONEILZ LENGTH , LOÇAT	loĥ	450	UTH	2/5	WE	57					
), <del>T</del>				RI	ECOVEF	RÝ	SAMPLE		1	GRADE ESTIMATE				
LENGTH	LITHOLOGY	MINER/ GRAD	REMARKS	FT.	WΤ	%	NO.	9	ASSAY	FT. x ASSAY	ASSAY	FT x ASSAY	ASSAY	FT x ASSA
#20 <del>-1</del>	771				38	45	2812	<b>-</b>						
70,00			GREY MICHCEOUS SCHIST E		1.	7.7	0			•••	•			
	-		QUARTZ & KALICHT 190 IRON SHIPMORS (PYRITE PYRRHOTITE)		1.		•						ļ <u></u>	
	++			1	رکاری	190	2313	•		•		<u> </u>		ļ
			AS HBOVE		9								. 0.	- to
130-			NS ABOVE		36	90	2514				ļ			<u> </u>
	#		7,00					<u> </u>		0:				ļ ·
	#		•		*								,	<del> </del>
			AS AGINE	•	3/2	90	2815		•		<u> </u>	<del> </del>		
HIME 165							-	<u> </u>			<u> </u>	<del>                                     </del>	<u> </u>	
140			STOP DIVERNIGHT MOLE DAMP.		· 140 5.9	17 23.0		<u> </u>			<del> </del>		<b>-</b>	
MH Og.	1.1		NO SAMPLE 140-145		<u> </u>	•		ļ	•			<del>                                     </del>	<b>-</b>	-
13/4	7				ļ	ļ	ļ		ļ	•	<del> </del>	<del>                                     </del>	<del>                                     </del>	7
			NO SIGNIPLE 145 150		110.5	19 11/11/11				<del> </del>	<del></del>	•	<del> </del>	-
150-		H				<b></b>	<b></b>	+	<u> </u>		- <del> </del>		+	+-;
,32			NO SAMPLE 150-155		140 51	JUNIO E	<u> </u>	<del>                                     </del>		<u> </u>				<del>.                                      </del>
•	H						<u> </u>	<u> </u>			-	-		<b>—</b>
			GREY MICHEETHS SCHIST & QUARTE		<u> </u>	<del>- </del>	<del> </del>	<u> </u>	-	<del></del>		+	<del></del>	+
	$\coprod$		(RUSTY) RALICALI 190 IRON		71	178	2816			<u> </u>	<del></del>	+	<u> </u>	
is m	H +	$\frac{1}{2}$	SULPHIDES (PYRITE PYRKHOTITE)				· •		<del></del>	<del></del>		+	+	<del></del>
160		$\coprod$	WATER AT 164' BEFORE WATE	9	6.	74	2817	<del> </del>			-	-	-	+
	H	1	2-3 FOOT OF VERY SOFT DRIKE					<u> </u>					<del>-  </del>	1

154			POSSIBLY FRANCISCRE COR FRONT		MET		2818							
·			AS ABOVE RUSTY QUARTZ & KALLEY		1/1/2.1	•					• ]			
68-			ABOND BANT	<del> </del>	WET		2519							
			AS ABOVE ABIMDANT RUSTY SPOTS		N/E/	•	2.0 % 77		• .	. •				
			QUARTZ > KALILUI NO SULPHITE	-										
73				6	WET		2820							
			AS ABOVE	,	WV 15- 1		<u> </u>	•				, .		
Ź8				<u> </u>	WET		2821							
		$\Pi$	AS ABOVE	+	74.4-1						. •	•		
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83 <u>—</u>	$\Pi$		TO SHAVE	1	WET		2823					0		1
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מ" ניית	H	HI	HOLE GERNADOR	15.0	(3.14)	14.7 E	D DONE	<u> </u>	MATE	2. CAV	1145 11	y 30 7	1197	5791411616
193						157	1 165 5.	水ハナバ	デッパ	17191-1	1-20-	And the second	445.754	<del>                                     </del>
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82



#### SECTION 50W.

DD.H. .50W-.715 Alignet 1966.

1 INCH = 40 FEET.

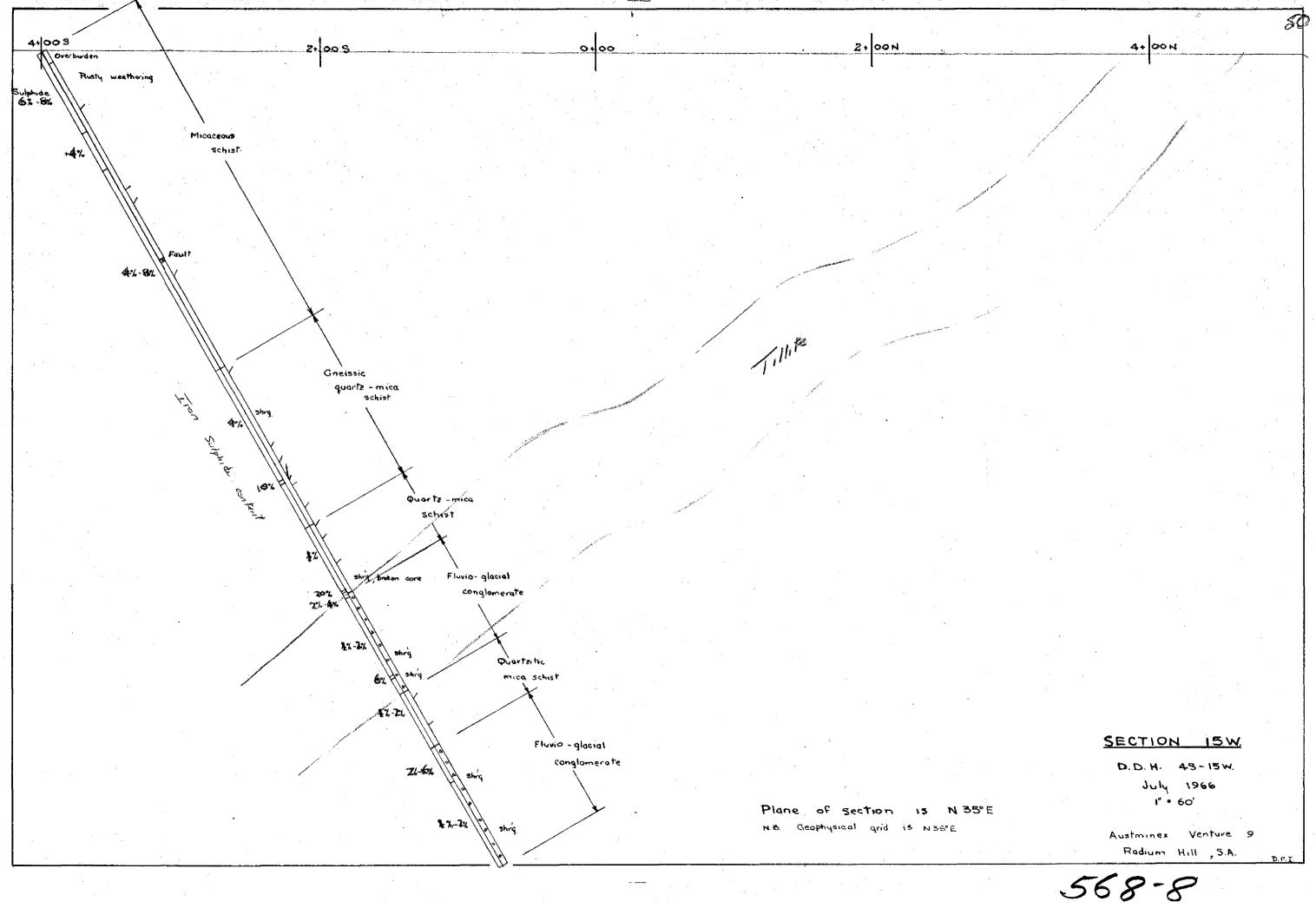
Austminex Venture 9.
RADIUM HILL S.A.

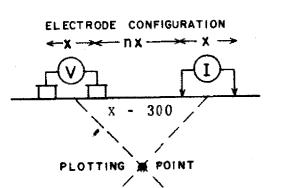
Plane of section is N35°E.

NB. Geophysical grid is N35°E.

POH IN-TW. ROH. 15-7W. 0+|00 2+|00H 4+ 100N 4+ 00 5. 2+ 005 APPROX SURFACE. % cu. 20.005 SECTION 7W P. D.H. 1N-7W P. D.H. 18-7W August 1966 1" = 60' Plane of section is N.55°E. NB. Geophysical grid is N35°E. AUSTMINEX Venture 9 RADIUM HILL SA.

568-7



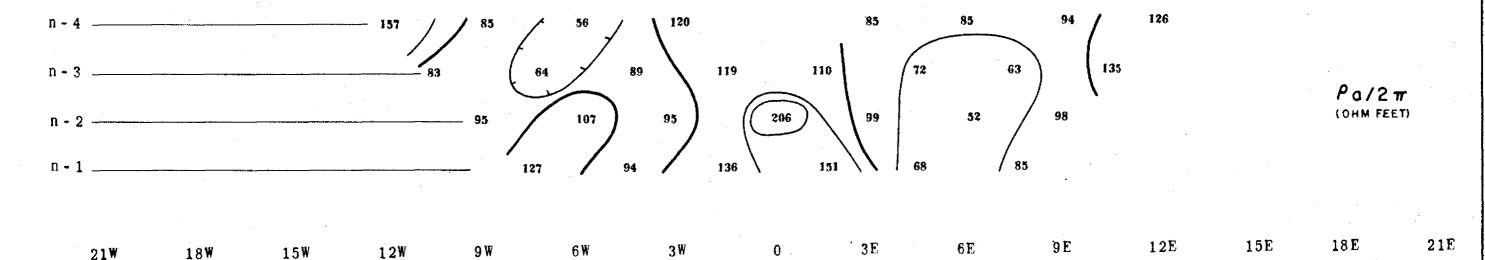


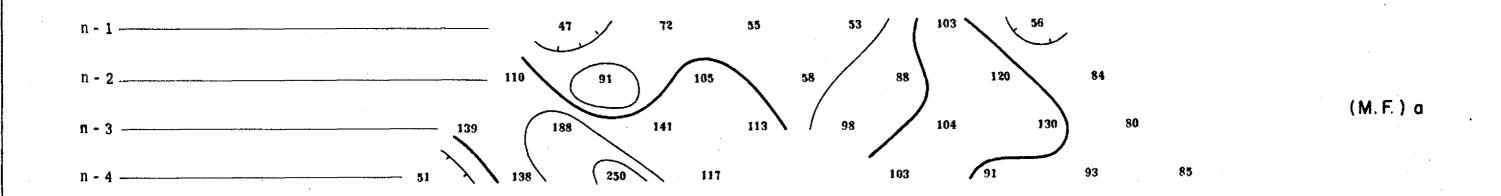
#### McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY

LINE 3 N

NOTE: - CONTOURS AT LOGARITHMIC MULTIPLES OF 10-15-20-30-50-75-100





#### AUSMINEX PTY. LIMITED

SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE

PROBABLE INVIDENTIFIED

POSSIBLE //////

RADIUM HILL PROSPECT, OLARY PROVINCE-S. A.

Scale-One inch= 300 Feet

NOTE: LOGARITHMIC CONTOUR INTERVAL

DATE SURVEYED

568-9°

NOTE: - CONTOURS AT LOGARITHMIC MULTIPLES

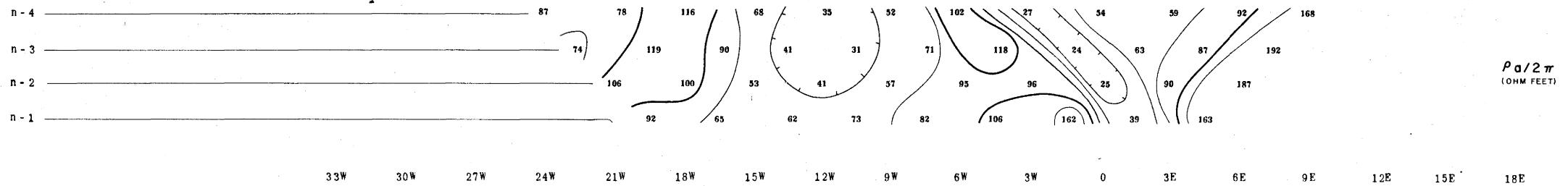
OF 10-15-20-30-50-75-100

# 8E

### McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY

LINE -0



AUSMINEX PTY. LIMITED

RADIUM HILL PROSPECT, OLARY PROVINCE-S.A.

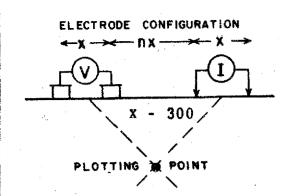
Scale-One inch= 300 Feet

NOTE LOGARITHMIC CONTOUR INTERVAL

SURFACÉ PROJECTION OF ANOMALOUS ZONES

ELECTRODE CONFIGURATION

DATE SURVEYED APRILIZA



#### McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY

LINE 35

NOTE: CONTOURS AT LOGARITHMIC MULTIPLES OF 10-15-20-30-50-75-100

Pa/2π
(OHM FEET)

21W 18W 1

15W

12W

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5 W

3 W

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3E

6 E

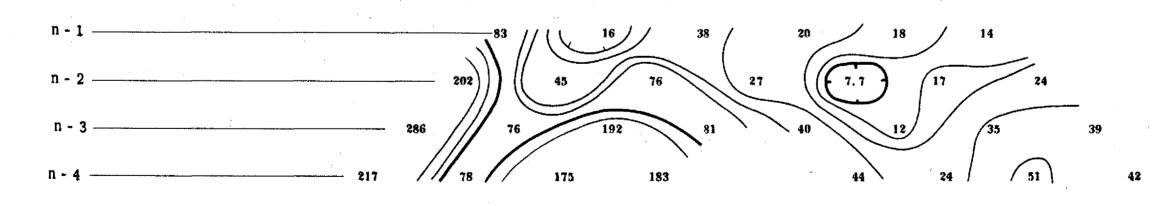
9 E

12E

15E

18E

21E



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#### AUSMINEX PTY. LIMITED

SURFACE PROJECTION OF ANOMALOUS ZONES

PROBABLE POSSIBLE

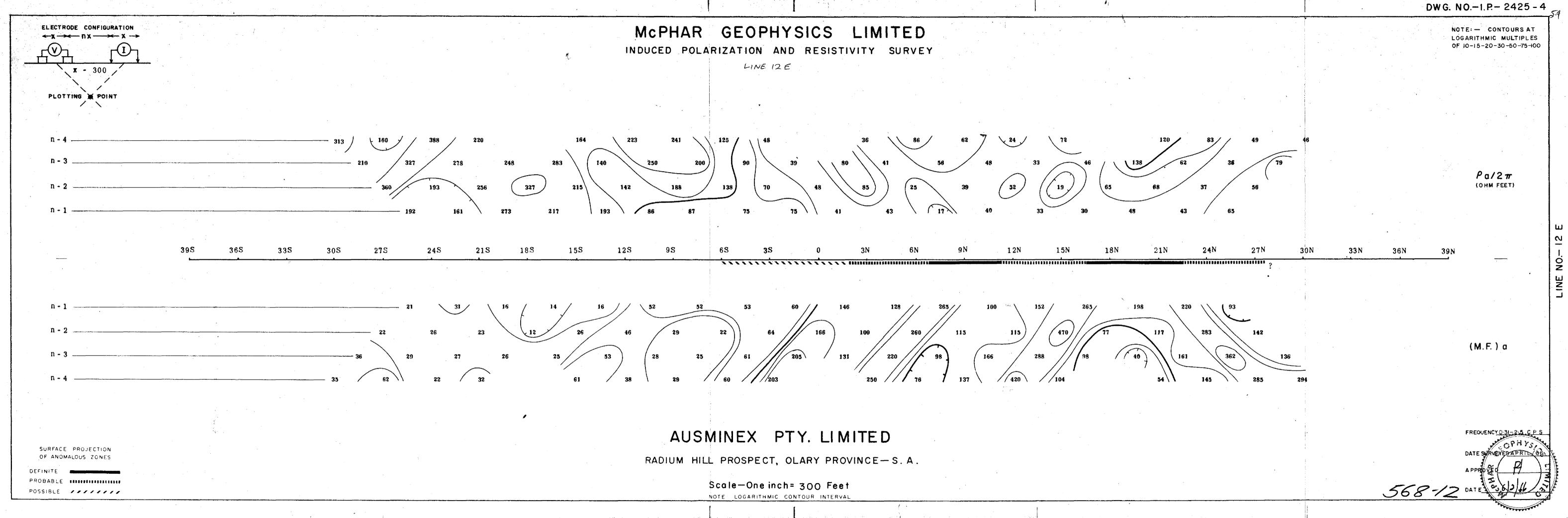
RADIUM HILL PROSPECT, OLARY PROVINCE-S. A.

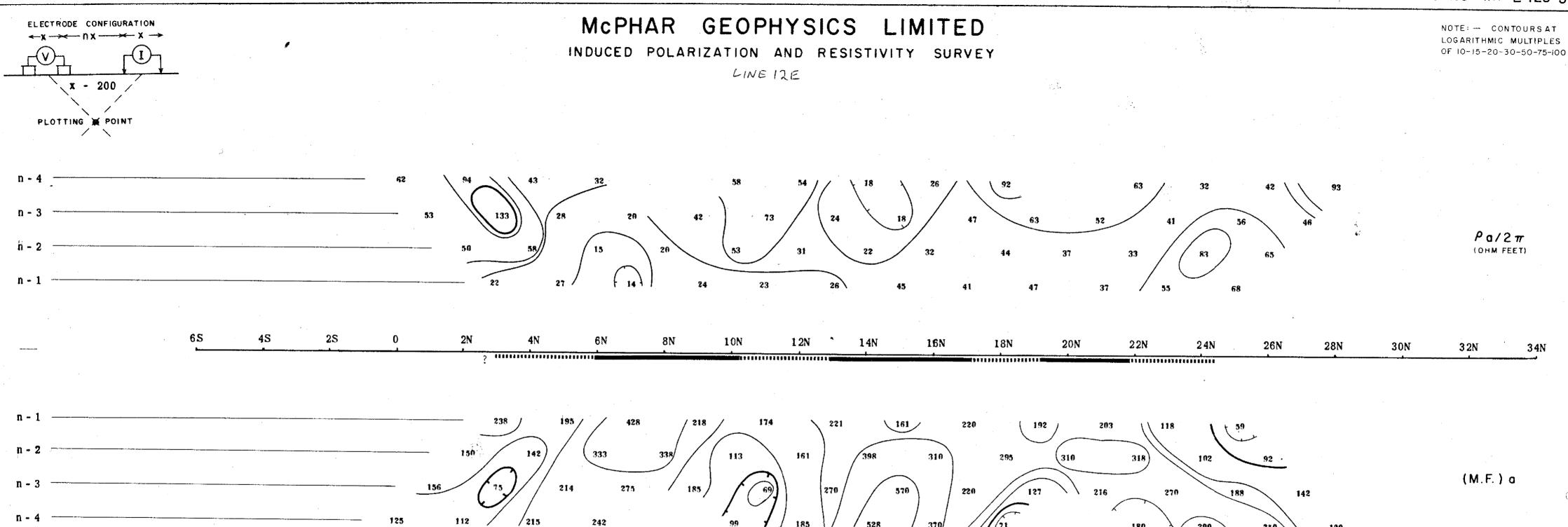
Scale-One inch= 300 Feet

NOTE: LOGARITHMIC CONTOUR INTERVAL

568-11 DATE

DATE SURVEYED A PRILITA





#### AUSMINEX PTY. LIMITED

RADIUM HILL PROSPECT, OLARY PROVINCE-S.A.

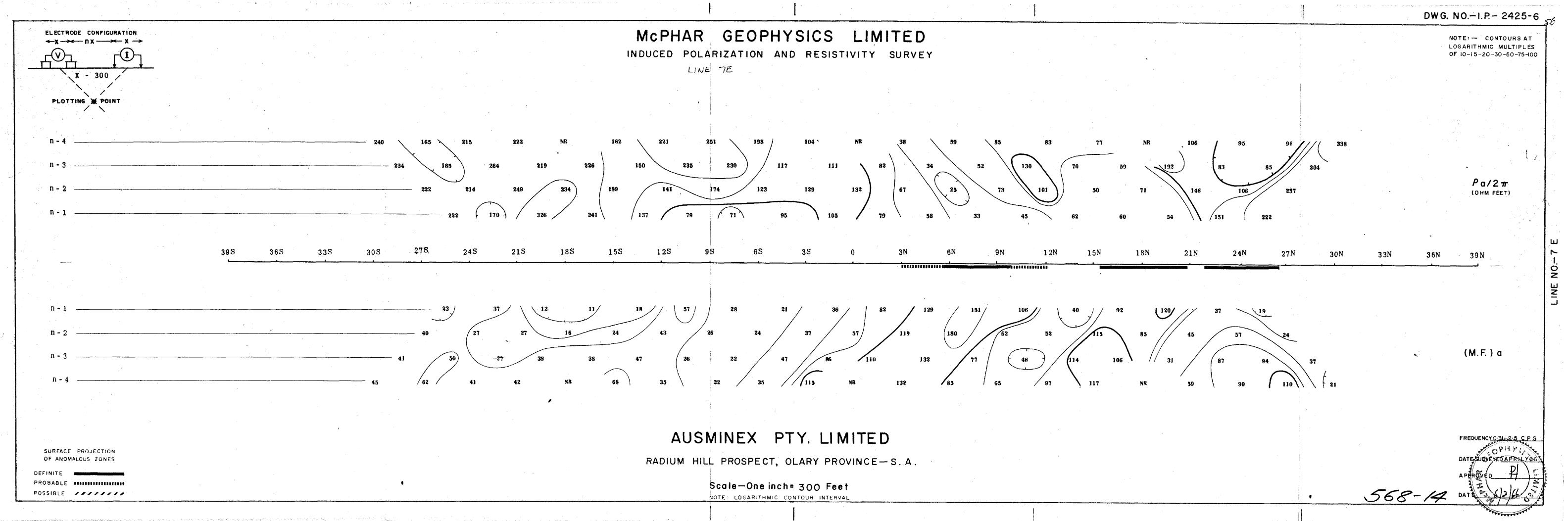
Scale—One inch= 200 Feet

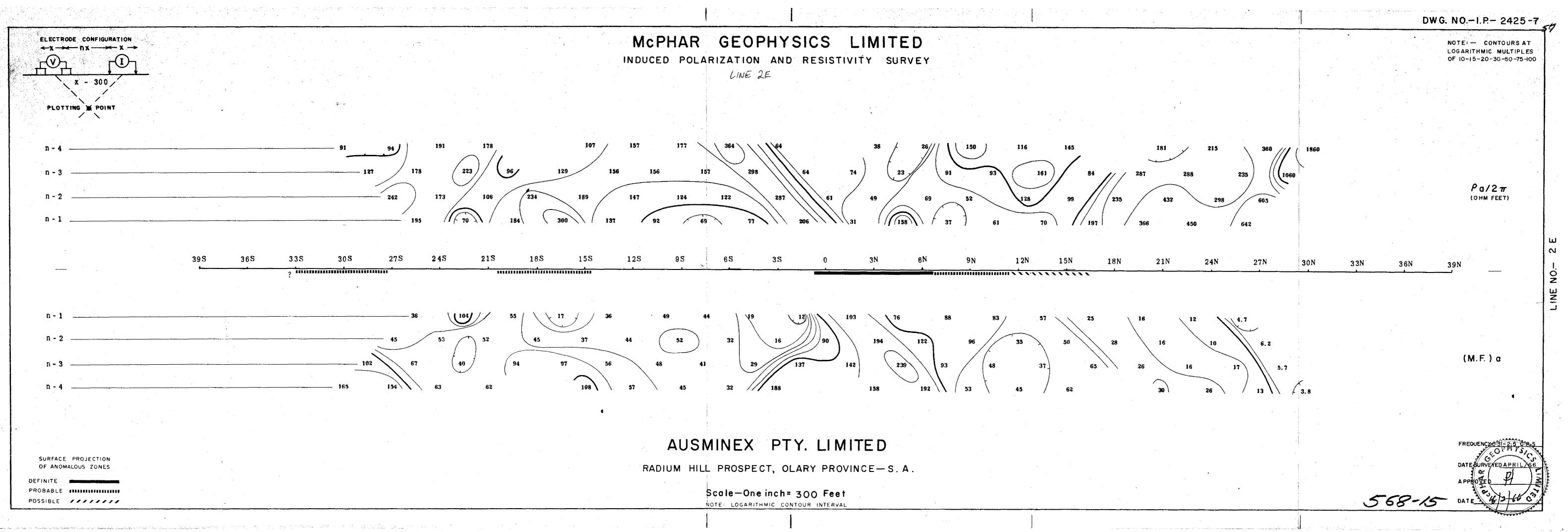
NOTE LOGARITHMIC CONTOUR INTERVAL

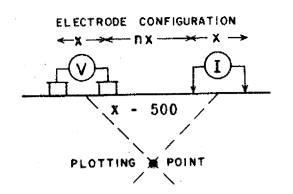
DATE SHAVEYED TO

PROBABLE THIRDINGS
POSSIBLE //////

SURFACE PROJECTION OF ANOMALOUS ZONES





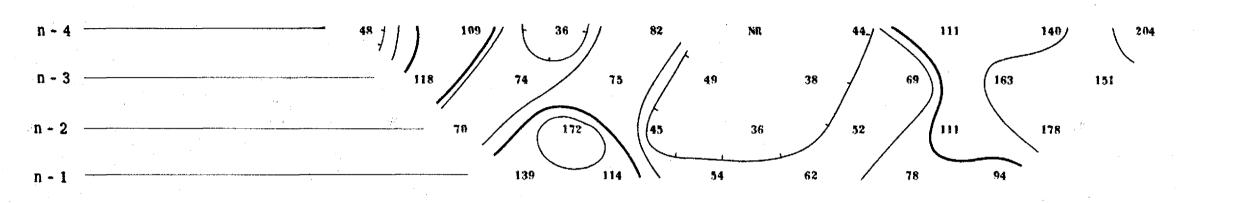


#### McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY

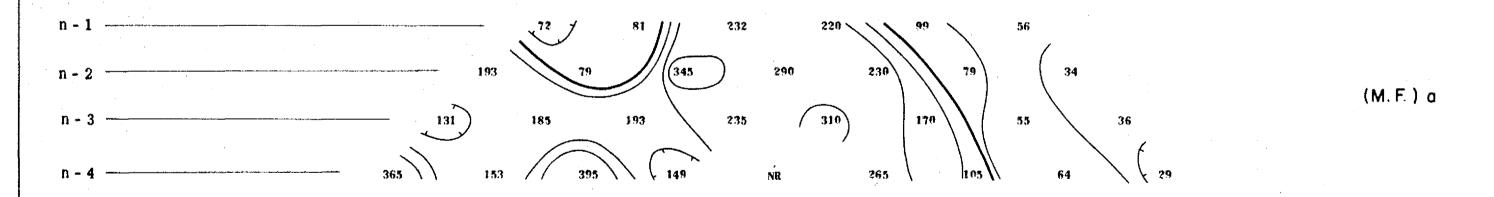
LINE 3W

NOTE: - CONTOURS AT LOGARITHMIC MULTIPLES OF 10-15-20-30-50-75-100



Pa/2 m (OHM FEET)

15S 10N **25S** 205 108 5N 15N 20N 25N 30N 35N 35S 30S ***************



#### AUSMINEX PTY. LIMITED

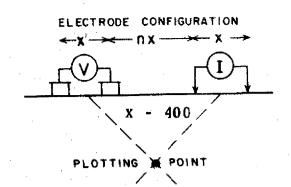
SURFACE PROJECTION OF ANOMALOUS ZONES

PROBABLE ...... POSSIBLE /////// RADIUM HILL PROSPECT, OLARY PROVINCE-S.A.

Scale-One inch = 500 Feet

NOTE LOGARITHMIC CONTOUR INTERVAL

LINE NO.-7W

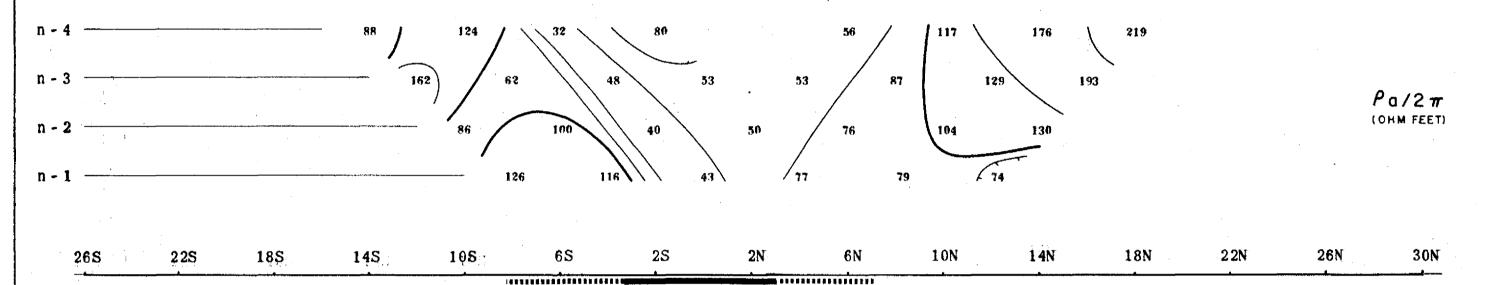


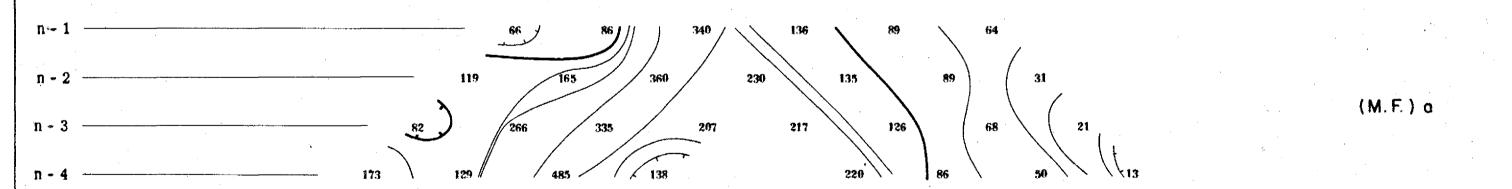
#### McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY

LINE 7W

NOTE: -- CONTOURS AT LOGARITHMIC MULTIPLES OF 10-15-20-30-50-75-100





#### AUSMINEX PTY. LIMITED

RADIUM HILL PROSPECT, OLARY PROVINCE-S. A.

Scale-One inch = 400 Feet

CATE CACABITURE CANTAUR INTERVA

DATE SURVEYED APRIL 86

APPROVED

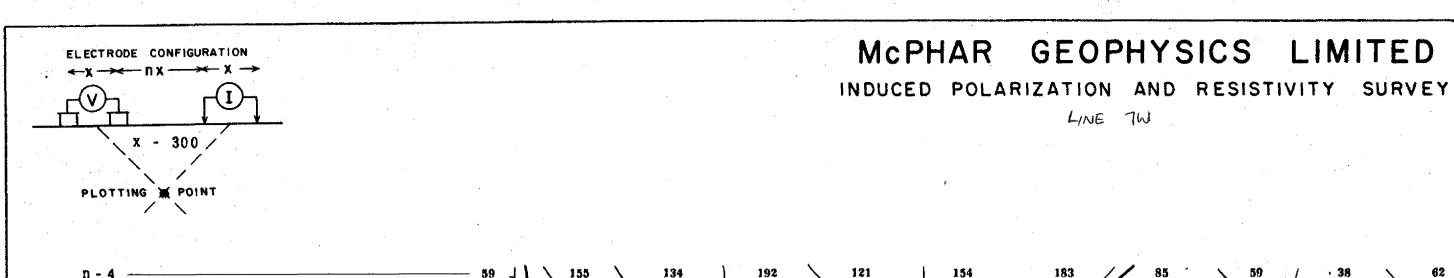
DATE

DATE

PROBABLE INITIALITY
POSSIBLE //////

SURFACE PROJECTION OF ANOMALOUS ZONES

NOTE LOGARITHMIC CONTOUR INTERVAL

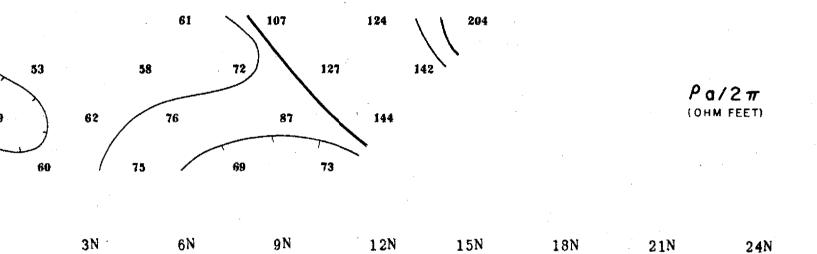


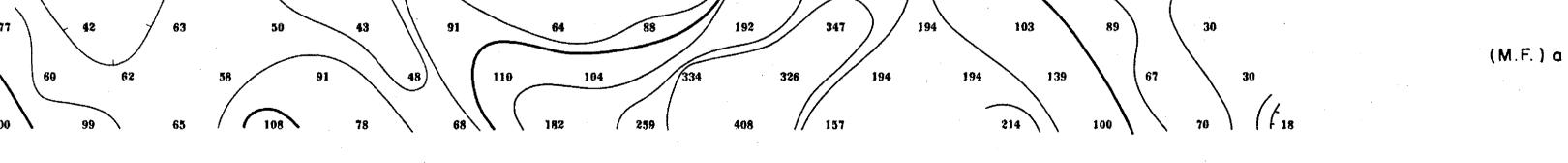
McPHAR GEOPHYSICS LIMITED

LINE 7W

***************

NOTE: - CONTOURS AT LOGARITHMIC MULTIPLES OF 10-15-20-30-50-75-100





#### AUSMINEX PTY. LIMITED

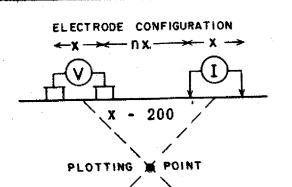
RADIUM HILL PROSPECT, OLARY PROVINCE-S.A.

Scale-One inch= 300 Feet

NOTE LOGARITHMIC CONTOUR INTERVAL

PROBABLE PRINCESSES POSSIBLE //////

SURFACE PROJECTION OF ANOMALOUS ZUNES

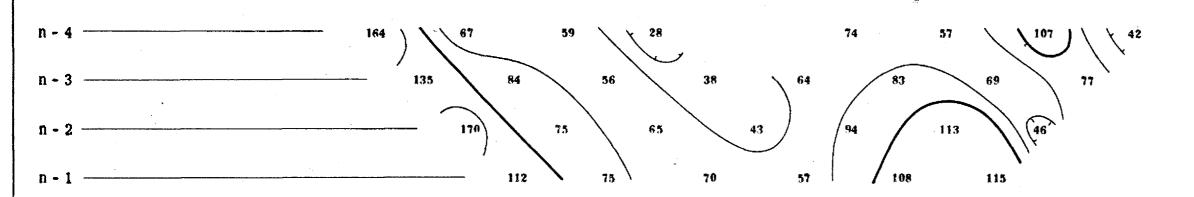


#### McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY

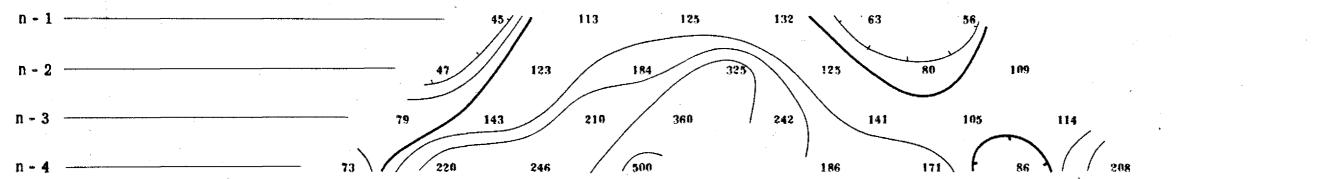
LINE 7W

NOTE: - CONTOURS AT LOGARITHMIC MULTIPLES OF 10-15-20-30-50-75-100



 $\rho_{a/2\pi}$ 

13S 11S 9S 7S 5S 3S 1S 1N 3N 5N 7N 9N 11N 13N 15N



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#### AUSMINEX PTY. LIMITED

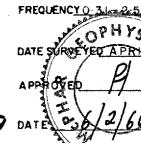
SURFACE PROJECTION OF ANOMALOUS ZONES

DEFINITE
PROBABLE
POSSIBLE

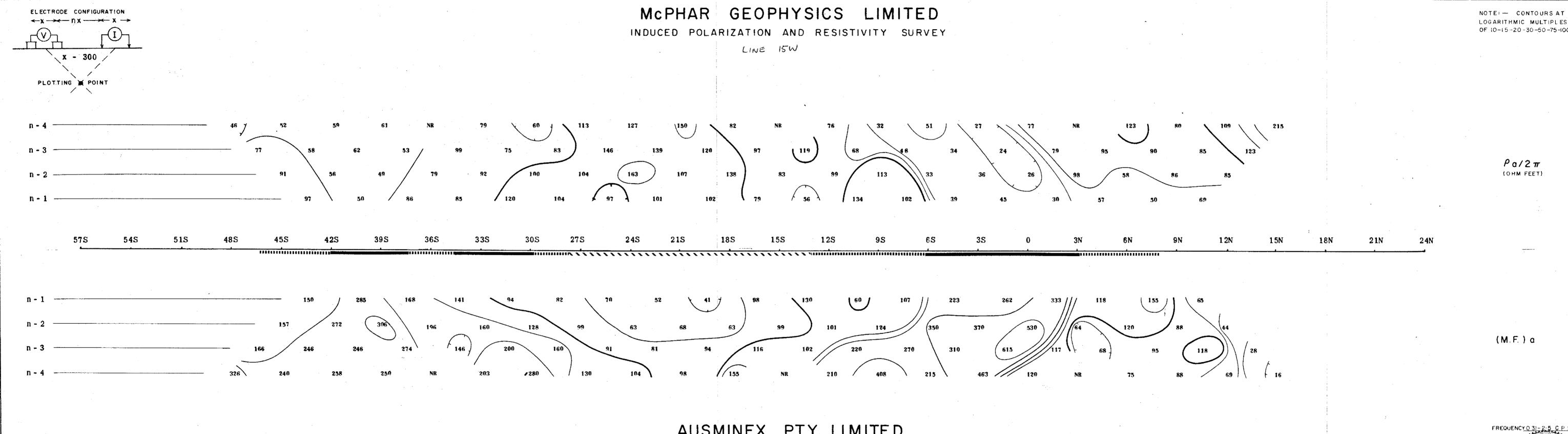
RADIUM HILL PROSPECT, OLARY PROVINCE-S. A.

Scale-One inch= 200 Feet

NOTE LOGARITHMIC CONTOUR INTERVAL



568-19



# AUSMINEX PTY. LIMITED

RADIUM HILL PROSPECT, OLARY PROVINCE-S.A.

Scale—One inch= 300 Feet

NOTE LOGARITHMIC CONTOUR INTERVAL

SURFACE PROJECTION

OF ANOMALOUS ZONES

PROBABLE HILLIAMINA

POSSIBLE ///////

568-20 DAT

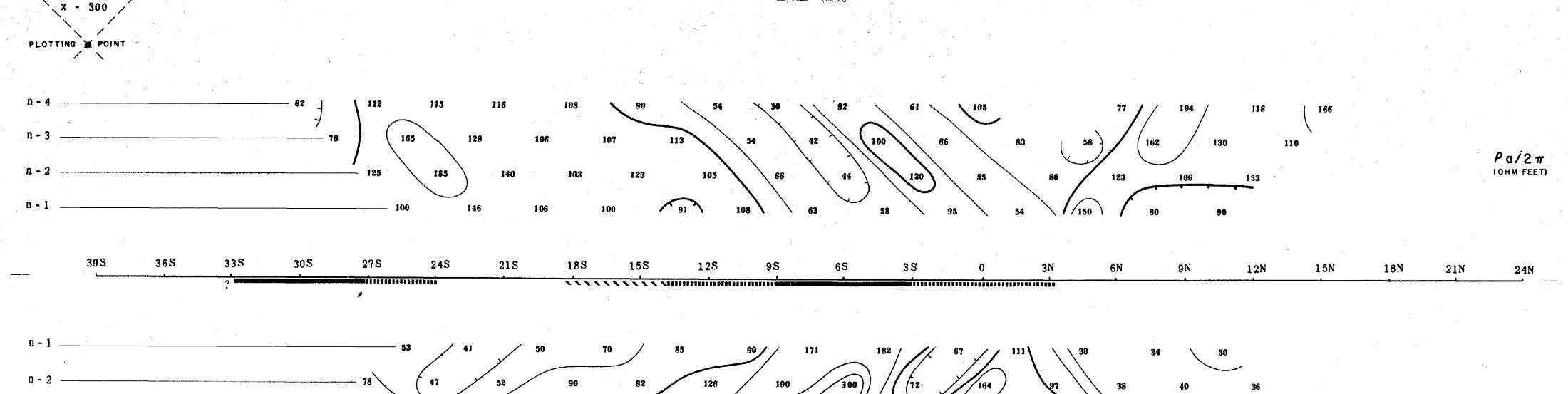
about the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of

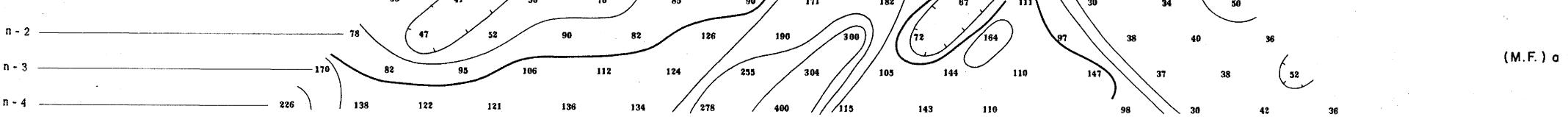
NOTE: - CONTOURS AT LOGARITHMIC MULTIPLES OF 10-15-20-30-50-75-100



INDUCED POLARIZATION AND RESISTIVITY SURVEY

LINE 12W





#### AUSMINEX PTY. LIMITED

RADIUM HILL PROSPECT, OLARY PROVINCE-S.A.

NOTE LOGARITHMIC CONTOUR INTERVAL

Scale-One inch = 300 Feet

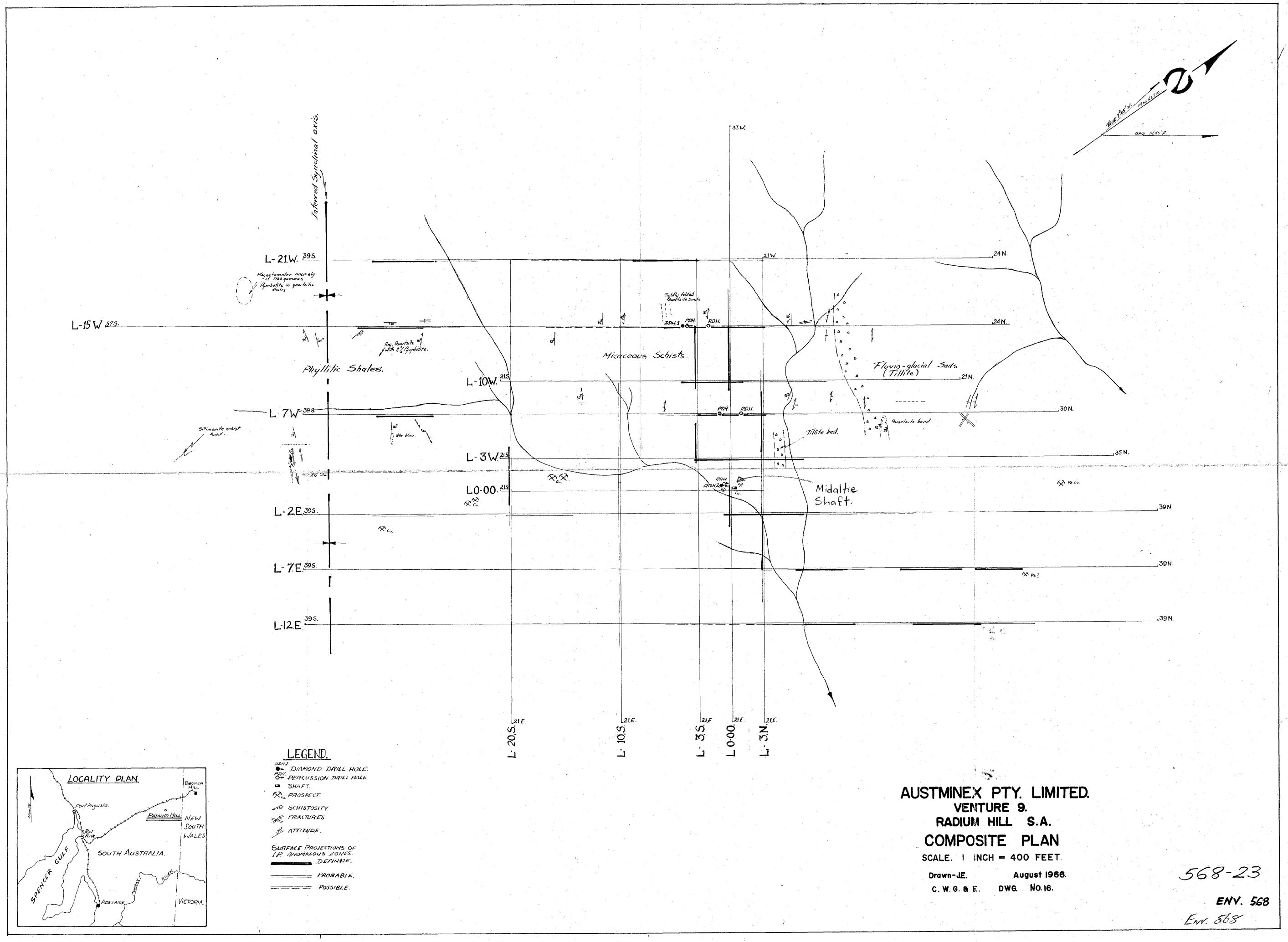
568-21

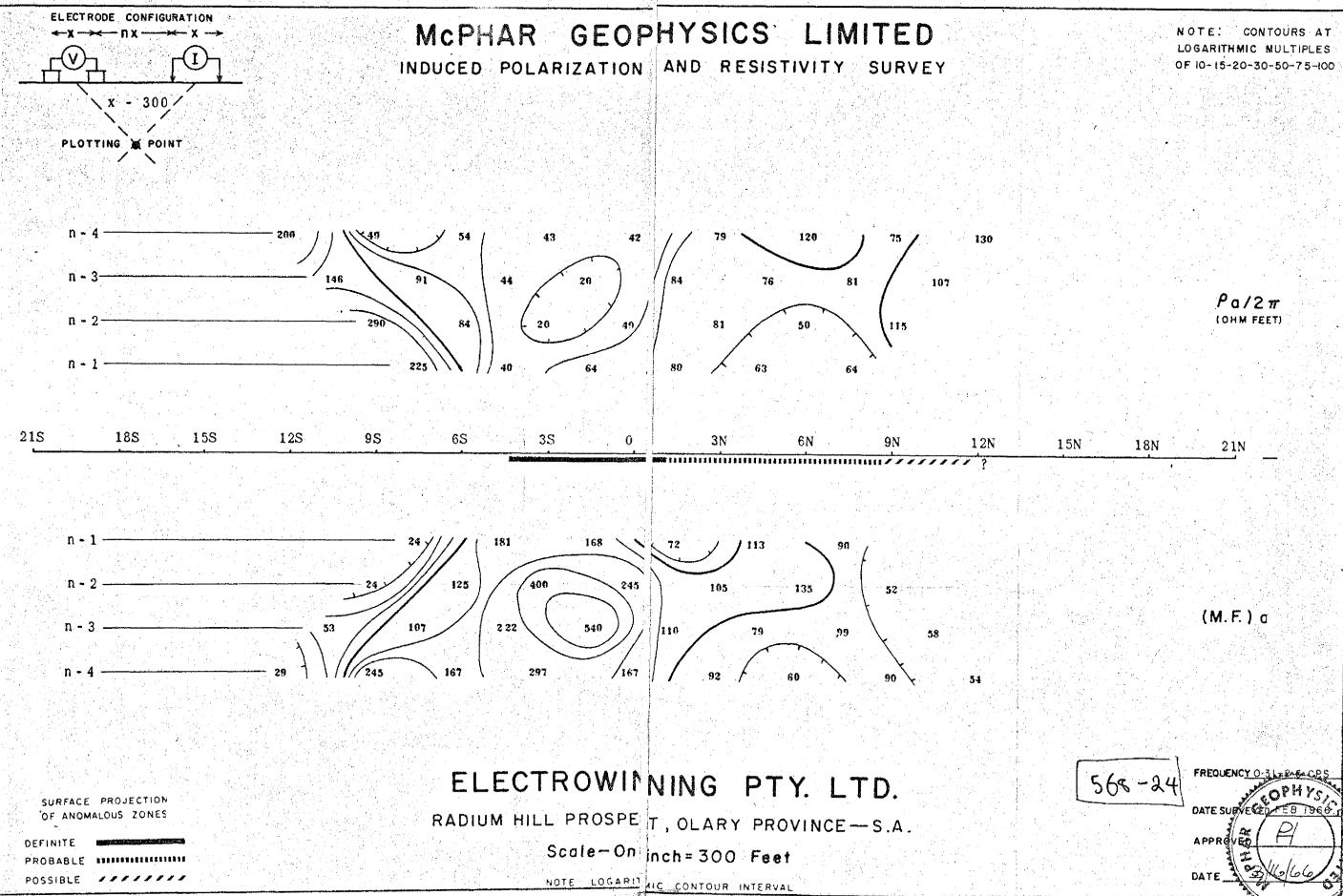
OF ANOMALOUS ZONES PROBABLE ..... POSSIBLE //////

SURFACE PROJECTION

ELECTRODE CONFIGURATION

*Mes. heldu* 6.MISC 3160





568 Z

LINE NO - 10W

