BOUNDER

6000.0126 (3800)

#5

REPORT ON THE
INDUCED POLARIZATION
AND RESISTIVITY SURVEY
ON THE BOUNDER PROSPECT,
MINERAL COUNTY, NEVADA
FOR
MARTEL MINING COMPANY

3

3800

McPHAR GEOPHYSICS LIMITED

REPORT ON THE
INDUCED POLARIZATION
AND RESISTIVITY SURVEY
ON THE BOUNDER PROSPECT,
MINERAL COUNTY, NEVADA
FOR
MARTEL MINING COMPANY

1. INTRODUCTION

At the request of Mr. Robert L. Redmond, geologist for the Company, an induced polarization and resistivity survey has been carried out on the Bounder Prospect on behalf of Martel Mining Company. The property is in Mineral County, Nevada.

The property surrounds a mountainous outcrop of granitic rocks with limestones and other rock types. Old workings in the outcrop area have revealed the presence of numerous zones of high-grade copper with other minerals. The induced polarization survey was planned in an attempt to locate unknown zones of metallic mineralization in the surrounding areas where the surface is covered with recent sediments.

2. 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.

RECONNAISSANCE SURVEY

	Electrode Interval	Frequencies	
Line No. 1 E-W	600'	0.3-2.5 cps	Dwg. I.P. 2146-1
Line No. 1 E-W	600'	0.1-1.25 cps	Dwg. I.P. 2146-2
Line No. 1 E-W	600'	.07-1.25 cps	Dwg. I.P. 2146-3
Line 7+50N	600'	0.3-2.5 cps	Dwg. I.P. 2146-4
Line No. NW-SE	600'	0.3-2.5 cps	Dwg. I.P. 2146-5
Line No. 2A	500'	.07-1.25 cps	Dwg. I.P. 2146-6
Line No. N50E	500'	0.3-2.5 cps	Dwg. I.P. 2146-7
Line No. 37-1/2N	600'	0.3-2.5 cps	Dwg. I.P. 2146-8
Line 18E - North Part	500'	0.3-2.5 cps	Dwg. I.P. 2146-9
Line 6W - North Part	500'	0.3-2.5 cps	Dwg. I.P. 2146-10

DETAILED SURVEY

Line 30E	500'	0.3-2.5 cps	Dwg. I.P. 2146-11
Line 24E	500'	0.3-2.5 cps	Dwg. I.P. 2146-12
	300'	0.3-2.5 cps	Dwg. I.P. 2146-13
Line 18E - South Part	500'	0.3-2.5 cps	Dwg. I.P. 2146-14
Line 12E	500'	0.3-2.5 cps	Dwg. I.P. 2146-15
Line 6W	500'	0.3-2.5 cps	Dwg. I.P. 2146-16
Line 18W	500'	0.3-2.5 cps	Dwg. I.P. 2146-17
Line 21W	500'	0.3-2.5 cps	Dwg. I.P. 2146-18
	200'	0.3-2.5 cps	Dwg. I.P. 2146-19
Line 24W	500'	0.3-2.5 cps	Dwg. I.P. 2146-20

Line 27W	500'	0.3-2.5 cps	Dwg. I.P. 2146-21
Line 30W	500'	0.3-2.5 cps	Dwg. I.P. 2146-22
Line 37W	500'	0.3-2.5 cps	Dwg. I.P. 2146-23
Line 46W	500'	0.3-2.5 cps	Dwg. I.P. 2146-24
Line 56W	600'	0.3-2.5 cps	Dwg. I.P. 2146-25
	600'	.07-1.25 cps	Dwg. I.P. 2146-26
Line 57W	600'	.07-1.25 cps	Dwg. I.P. 2146-27
Line 7+50N - West Part	600'	.07-1.25 cps	Dwg. I.P. 2146-28

Enclosed with this report is Dwg. Misc. 4070, a plan map of the lines surveyed at the Bounder Property. 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 500' spreads the position of a narrow sulphide body can only be determined to lie between two stations 500' 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.

3. DISCUSSION OF RESULTS

The first phase of the geophysical programme at the Bounder Prospect was to survey several long lines across the areas covered by sediments. Detailed measurements were then made on grids covering the anomalous areas.

RECONNAISSANCE SURVEY

Line No. 1 E-W

This line was surveyed across the southern edge of the outcrop area. Three anomalous areas were indicated. The western anomaly is indicated by the last few measurements at the western end of the data plot. This anomaly occurs at the extrapolated position of a known zone of high-grade copper mineralization and is therefore of interest.

The anomalies to the east are much the same, with the source centered at 18E to 24E giving the larger magnitude anomaly. In both cases, there is some depth indicated to the top of the source. Since the anomalous frequency effects are measured for the larger values of (n) in regions of low resistivity, some of the effects are due to inductive coupling. The checks made using d.c.-1.25 cps indicate that the anomaly at 18E to 24E is due to metallic mineralization, while the anomaly at 48E to 66E is largely, or wholly, due to inductive coupling.

Line 7+50N

The reconnaissance survey on this line confirms the presence of the definite anomaly at 18E to 24E on Line No. 1 E-W. The source appears to be of less width than to the south.

Line No. NW-SE

This line was surveyed southwest of the outcrop area. The anomalous readings at the eastern end of the line correlate with the definite anomaly at 18E to 24E on Line No. 1. The weakly anomalous effects measured at depth at 33NW to 21NW correlate approximately with the western anomaly on Line No. 1.

The definite anomaly at the western end of the line indicates a source at depth. The anomalous pattern suggests that the source is 1,200 to 1,800 feet in width.

Line No. 2A

The d.c.-1.25 cps check on this line indicates the presence of a weak source at depth. This seems to correlate with the more definite anomaly on the reconnaissance line.

Line N50E

This reconnaissance line passes northwest of the outcrop area. The anomaly at the southwest end of the line correlates with the more definite anomaly at the northwest end of Line NW-SE. The definite anomaly at 50NE to 60NE suggests a relatively narrow source at depth.

Line 37-1/2N

This line passes north of the outcrop. There are weakly anomalous effects indicated at each end of the line. Also, the measured I.P. effects increase with depth along the entire western portion of the line. The apparent resistivities are relatively high in this area, and the observed frequency effects are much larger than expected from inductive coupling. However, further work would be necessary in order to completely outline the source.

Line 18E - North Part

This line extends north from the outcrop. The apparent resistivities in the area are relatively high, and there are no definite I.P. anomalies. There are some weak effects at 1225N to 1275N, but the pattern is unusual.

Line 6W - North Part

The results on this line are much the same as those on the north part of Line 18E; however, at the north end of the lines extremely low apparent resistivities are encountered and inductive coupling influences the measurement.

DETAILED SURVEY

Line 30E

This is the easternmost detailed line on the definite anomaly located on Line 1 E-W and Line 7+50N. The pattern suggests a tabular source with some depth to the top.

Line 24E

The anomaly on this line is strong also, and very similar to that on Line 30E. The 300' spread data confirms the fact that there is some depth to the top of the source.

Line 18E - South Part

The anomaly is still definite on this line, and there is a suggestion that it continues at depth to the south.

Line 12E

The source is still at depth on this line, but it is definitely of less width.

Line 6W

This line was surveyed to check for the extension of the anomalous zones located to the northeast and the northwest. No anomalous effects were measured.

Line 18W

The anomaly located at 5S on this line correlates with the anomaly located at the western end of Line 1 E-W. The anomaly is of moderate magnitude, and the pattern suggests a near vertical, tabular source. There is also some depth to the top.

Line 21W

The anomaly is of lower magnitude on this line, but the pattern is much the same. There is also some suggestion that the

source extends at depth to the north. The 200' spread results do not appear to be looking deep enough to detect the definite source. The shallowest part of the source has been detected at 0+00 to 2N.

Line 24W

The source is indicated to be at even greater depth on this line. However, the anomaly is of moderate magnitude and definite.

Line 27W

The anomalous pattern is more complicated on this line, suggesting more than one source.

Line 30W

The anomaly is present on this line, but the interpretation is difficult. The pattern suggests more than one source or a single complex source.

Line 37W

There is a definite anomaly located at depth at 5S to 5N on this line. The frequency effects are much larger than those expected from coupling. The position of the anomaly does not correlate directly with the location of the anomalies on the lines to the east, and further measurements will be necessary to determine the relationship between them.

Line 46W

The weak anomaly at the southern end of the line correlates

with the more definite anomaly located at the western end of Line NW-SE.

Line 56W

The definite I.P. anomaly at 3S to 9N on this line correlates exactly with the anomaly at 60NW to 48NW on Line NW-SE. The anomaly is of relatively large magnitude, but because of the low resistivities some of the effects are due to inductive coupling. However, the line was repeated using d.c. and 1.25 cps, and the anomalous effects were definite.

The pattern suggests a broad source with the shallowest portion at 0+00 to 6N. The source apparently extends in both directions at depth.

Line 57W

Only a short portion of this line was surveyed, using d.c.-1.25 cps. The source is not indicated to be as shallow as on Line 56W, but the anomaly is still present.

Line 7+50N - West Part

This east-west line was surveyed to check the anomaly located at 5S to 5N on Line 37W. No anomalous I.P. effects were measured.

4. CONCLUSIONS AND RECOMMENDATIONS

The induced polarization survey on the Bounder Property has located several anomalies. Three of the anomalies have been outlined by detailed measurements on several lines.

The anomaly southeast of the outcrop area has a length of

about 3,000 feet, and is 1,000 feet wide. The anomalous patterns are definite and the anomaly is of moderate magnitude. The source appears to be a broad zone of disseminated mineralization (3% to 10%) rather than a smaller volume of more concentrated mineralization.

A vertical drill hole north of Line No. 1 E-W between Line 18E and Line 24E has intersected disseminated pyrite, with some graphite, in limestones and intrusive rocks. The mineralization was intersected at depths of 300', and greater, and appears to be the source of the I.P. effects. The desirability of a second hole to test the anomaly at another location will depend upon the geological assessment of the core.

The anomaly west of the outcrop area occurs close to a known zone of high-grade copper mineralization. The anomaly is most definite on Line 18W, and a vertical hole is being drilled to determine the source. Present information indicates that the hole has intersected some mineralization at depth; more information will be required in order to evaluate the importance of the anomaly.

The anomaly northwest of the outcrop area is not as well outlined as the others. It is most definite on Line 56W, where it has been confirmed by the d.c.-1.25 cps measurements. If a hole is to be drilled to test this anomaly, a vertical hole at 3N on Line 56W should be used. The hole should be drilled to at least 900 feet.

There are other, weaker, I.P. anomalies on the Bounder Property that have not been detailed. If the mineralization causing any of the three anomalies to be tested by drilling is of economic importance,

further work is warranted.

McPHAR GEOPHYSICS LIMITED

Philip G. Hallof
per

Philip G. Hallof,
Geophysicist.

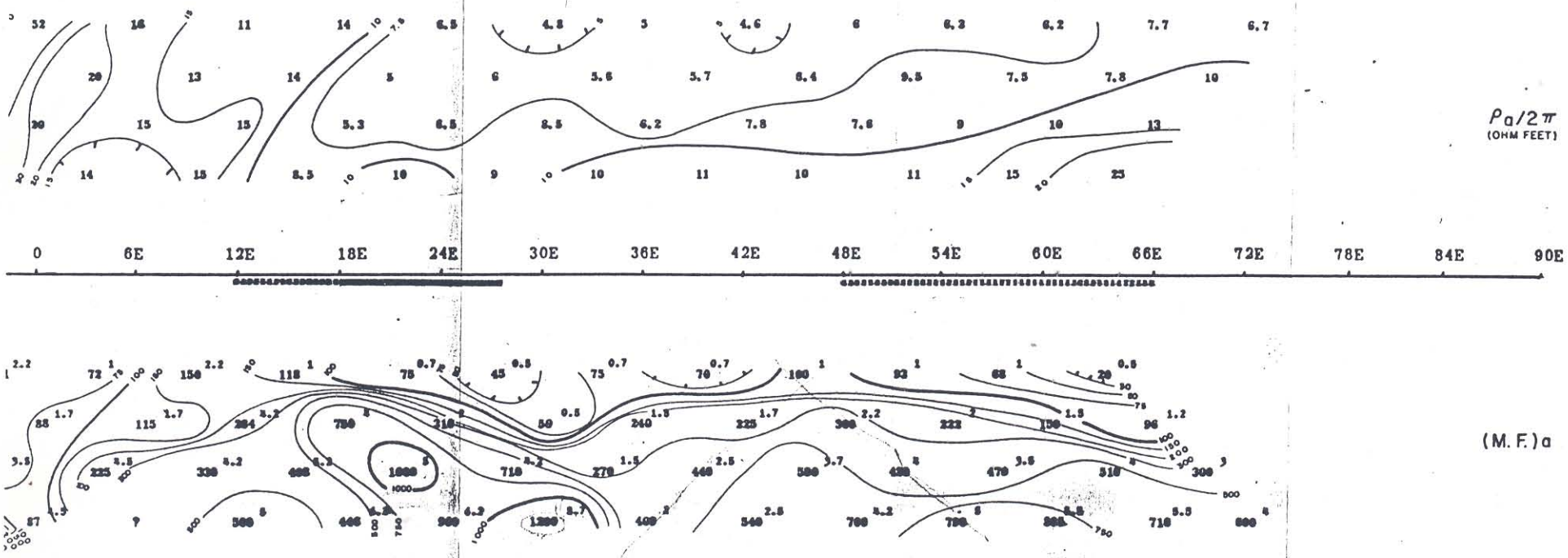
Dated: March 20, 1964.

6000 0126 (3800)

DWG. NO.-I.P.-2146-1

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY



LINE NO-1 E-W

MARTEL MINING COMPANY

BOUNDER PROSPECT, MINERAL COUNTY, NEVADA.

Scale-One Inch = 600 Feet

FREQUENCY- 0-3-2.5 CPS

DATE SURVEYED- FEB. 1964

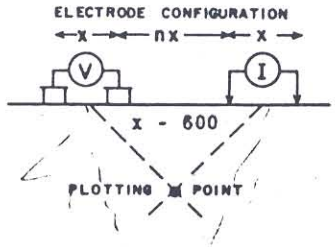
APPROVED

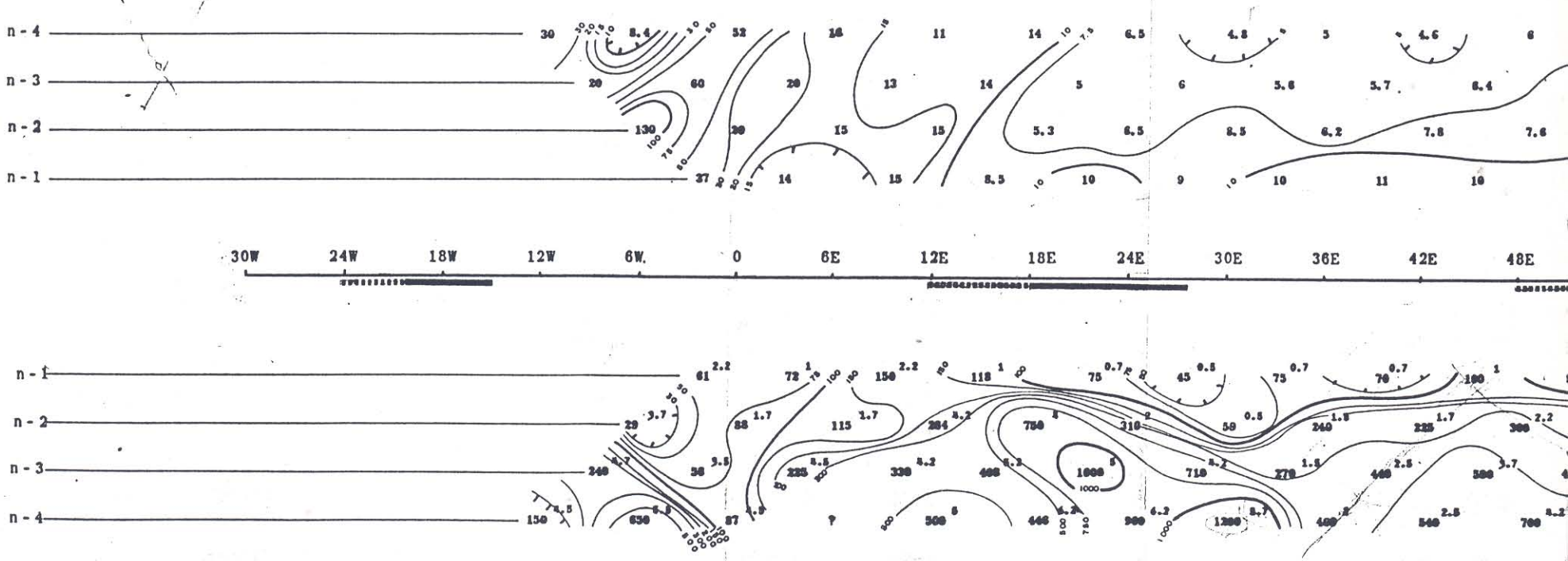
DATE 3/18/64

6000 0126 (3800)

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY





ANOMALOUS ZONE

POSSIBLE ANOMALOUS ZONE

NOTE
LOGARITHMIC CONTOUR INTERVAL

MARTEL MINING COMPANY

BOUNDER PROSPECT, MINERAL COUNTY, NEVADA.

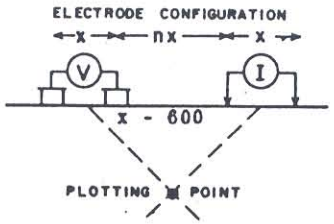
Scale-One Inch = 600 Feet

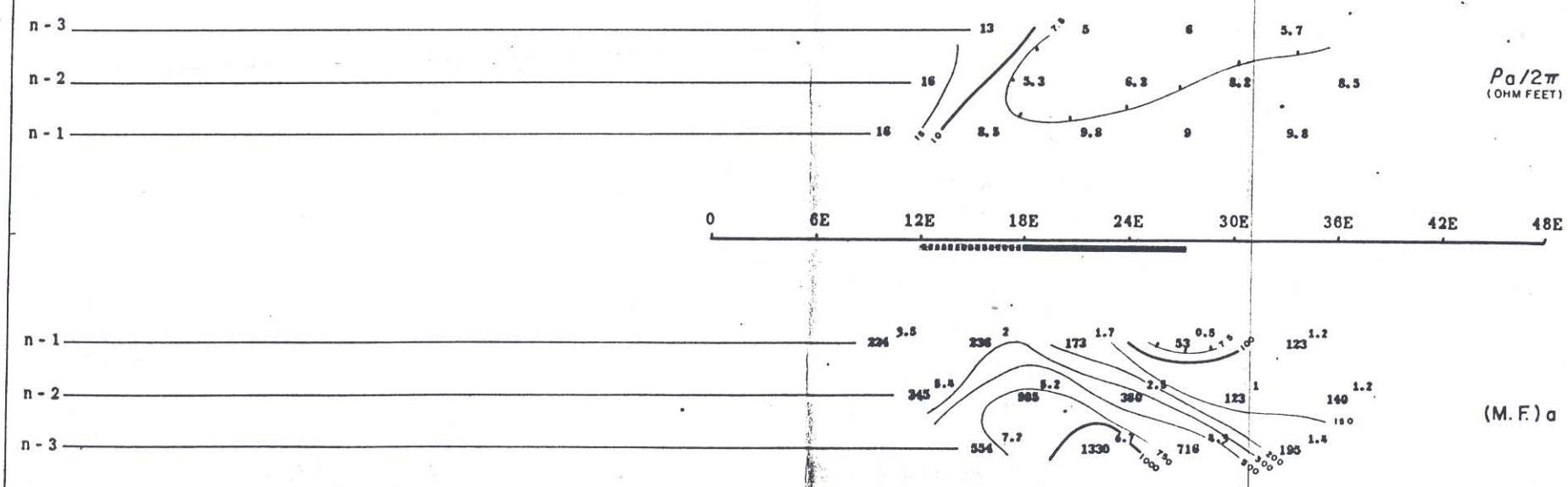
6000 0126 (3800)

DWG. NO.-I.P.-2146-2

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY





LINE NO.-1E-W.

ANOMALOUS ZONE

POSSIBLE ANOMALOUS ZONE

NOTE
LOGARITHMIC CONTOUR INTERVAL

MARTEL MINING COMPANY

BOUNDER PROSPECT, MINERAL COUNTY, NEVADA.

Scale - One inch = 600 Feet

FREQUENCY - 0·1-1·25CPS.

DATE SURVEYED - FEB. 1964

APPROVED

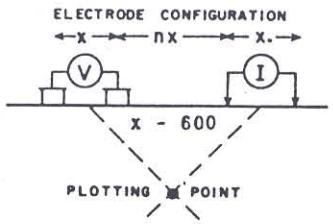
DATE 3/18/64

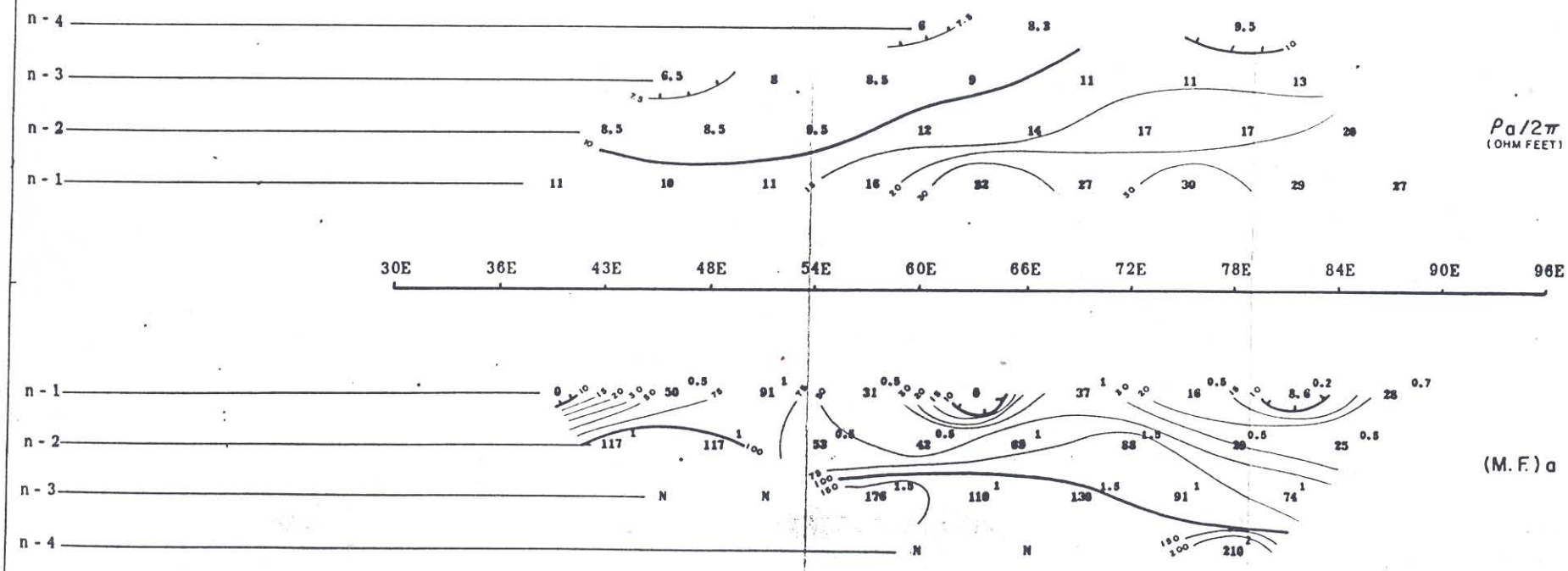
6000 0126 (3900)

DWG. NO.-I.P.-2146-3

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY





LINE NO.-1 E-W

ANOMALOUS ZONE

POSSIBLE ANOMALOUS ZONE

NOTE
LOGARITHMIC CONTOUR INTERVAL

MARTEL MINING COMPANY

BOUNDER PROSPECT, MINERAL COUNTY, NEVADA.

Scale - One inch = 600 Feet

FREQUENCY-0.07-125CPS

DATE SURVEYED-FEB. 1964

APPROVED

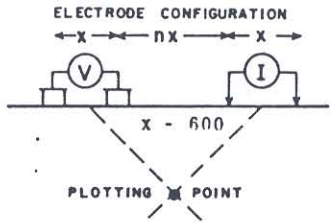
DATE 3/18/64

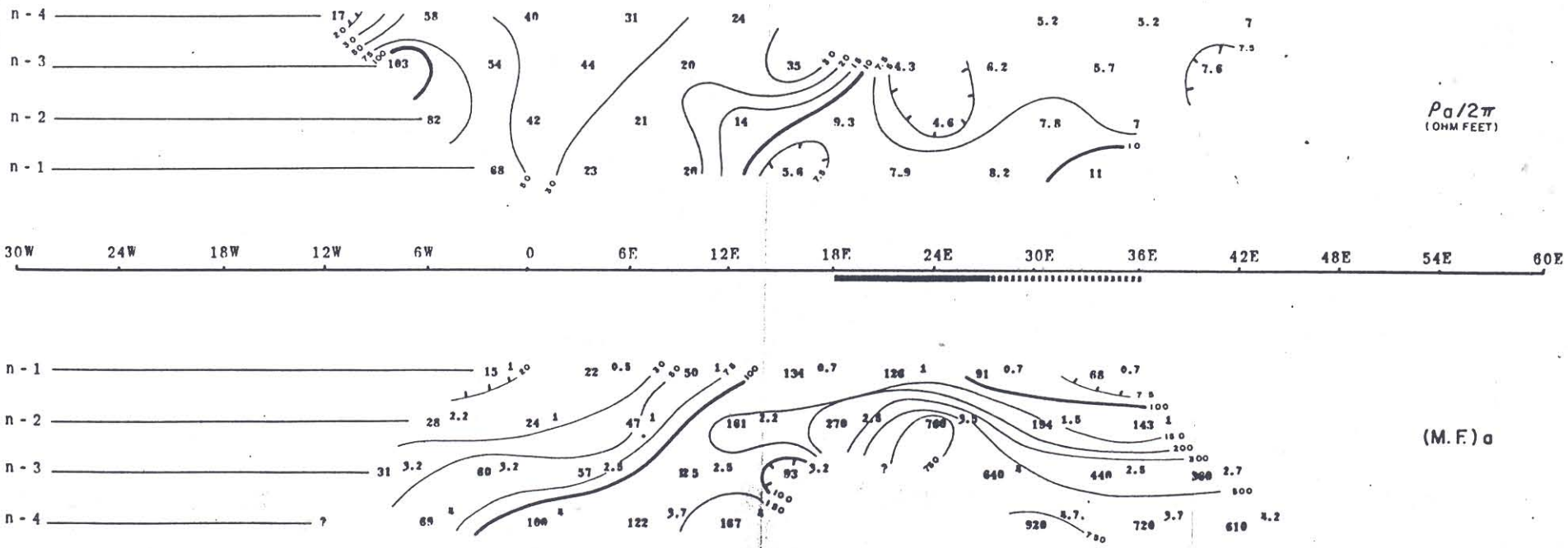
6000 0126 (3800)

DWG. NO.-I.P.-2146-4

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY





LINE NO.-750N.

ANOMALOUS ZONE

POSSIBLE ANOMALOUS ZONE

NOTE
LOGARITHMIC CONTOUR INTERVAL

MARTEL MINING COMPANY

BOUNDER PROSPECT, MINERAL COUNTY, NEVADA.

Scale - One inch = 600 Feet

FREQUENCY-0·3-2·5CPS.

DATE SURVEYED-FEB 1964

APPROVED

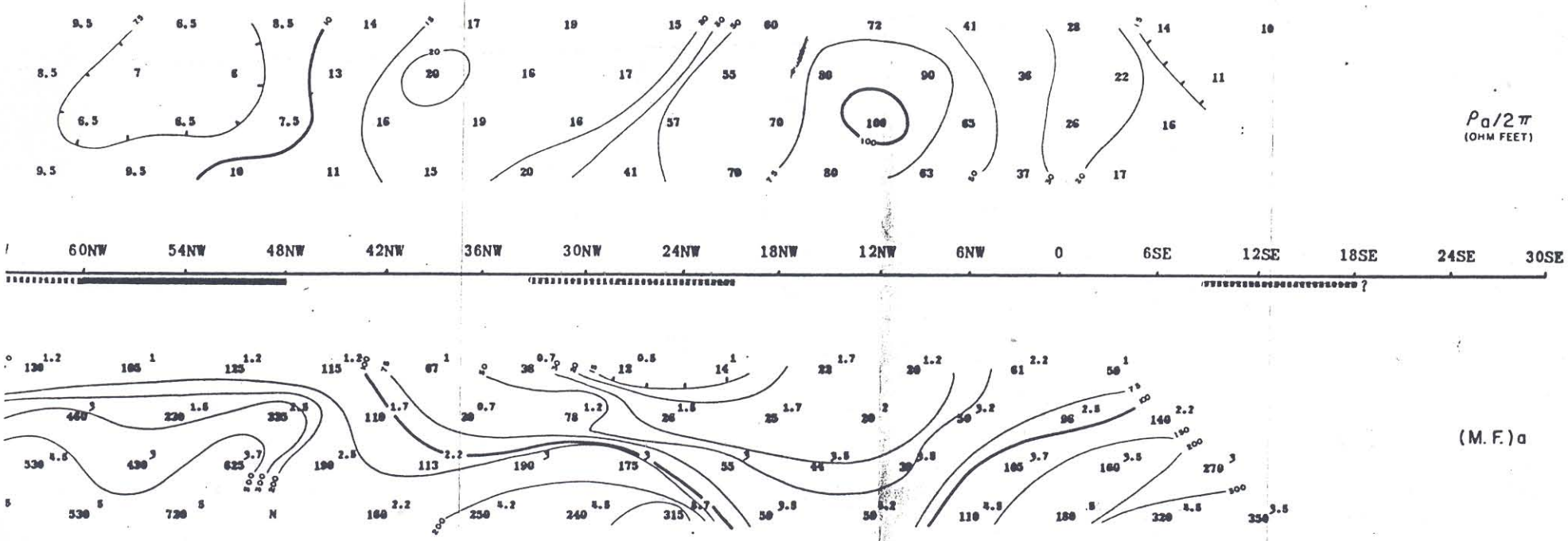
DATE 3/18/64

6000 0126 (3800)

DWG. NO.-I.P.-2146-5

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY



LINE NO.-NW-SE.

FREQUENCY-0.3-2.5CPS.

DATE SURVEYED-FEB 1964

APPROVED

DATE 3/18/64

MARTEL MINING COMPANY

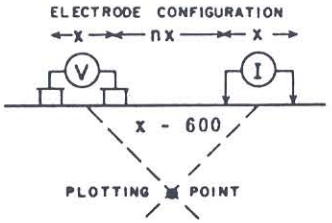
BOUNDER PROSPECT, MINERAL COUNTY, NEVADA.

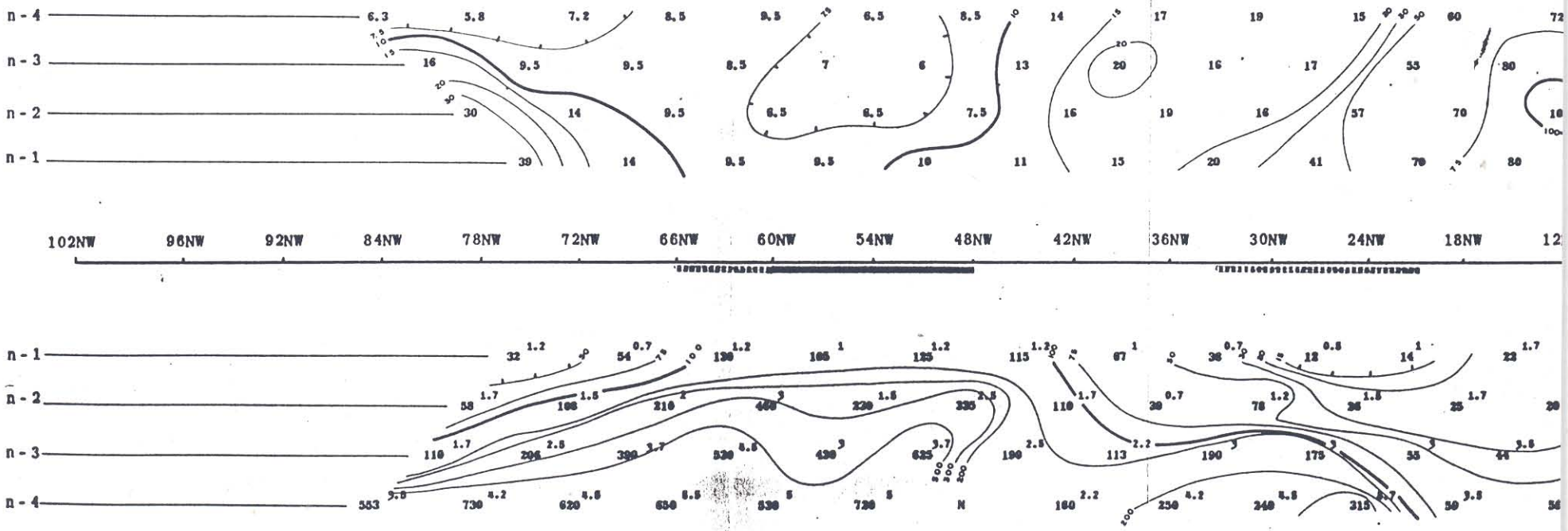
Scale-One Inch = 600 Feet

6000 0126 (3900)

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY





ANOMALOUS ZONE

POSSIBLE ANOMALOUS ZONE

NOTE
LOGARITHMIC CONTOUR INTERVAL

MARTEL MINING COMPANY

BOUNDER PROSPECT, MINERAL COUNTY, NEVADA.

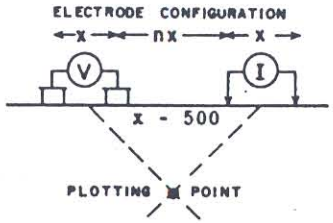
Scale-One inch = 600 Feet

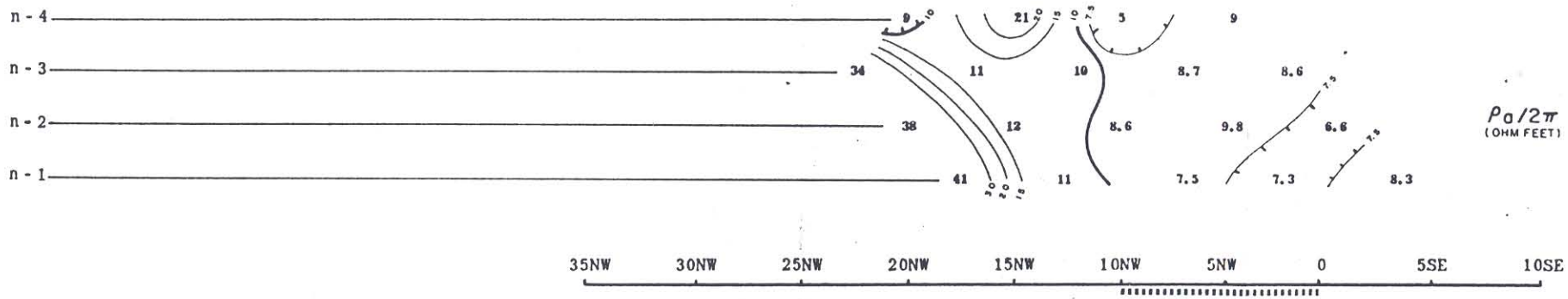
6000·0126 (3800

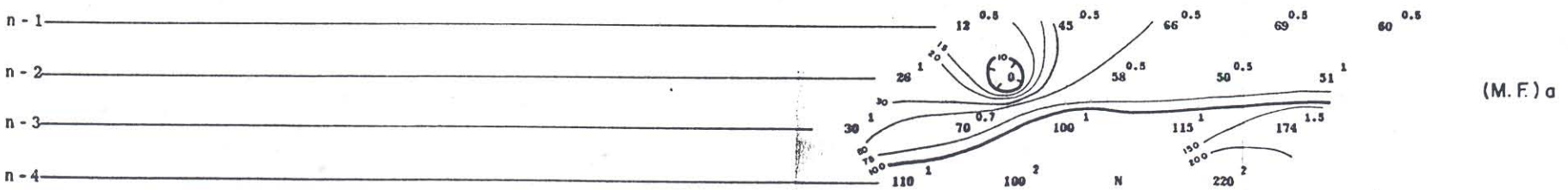
DWG. NO.-I.P.-2146-6

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY







LINE NO.-2A

ANOMALOUS ZONE ———

POSSIBLE ANOMALOUS ZONE — — —

NOTE
LOGARITHMIC CONTOUR INTERVAL

MARTEL MINING COMPANY

BOUNDER PROSPECT, MINERAL COUNTY, NEVADA.

Scale - One inch = 500 Feet

FREQUENCY - 0·07-1·25 CPS

DATE SURVEYED - FEB. 1964

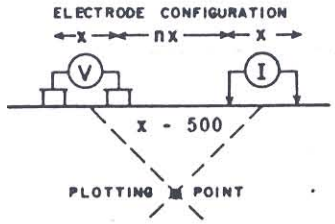
APPROVED PI

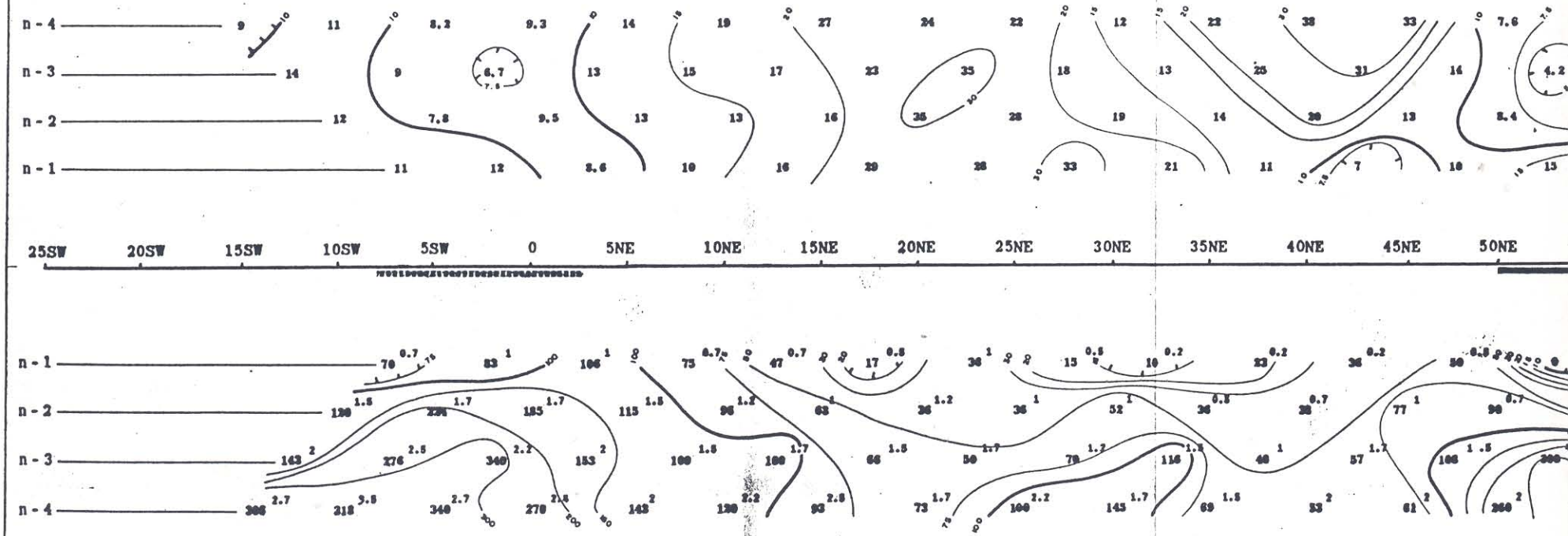
DATE 3/18/64

6000 0126 (3800)

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY





ANOMALOUS ZONE

POSSIBLE ANOMALOUS ZONE

NOTE
LOGARITHMIC CONTOUR INTERVAL

MARTEL MINING COMPANY

BOUNDER PROSPECT, MINERAL COUNTY, NEVADA.

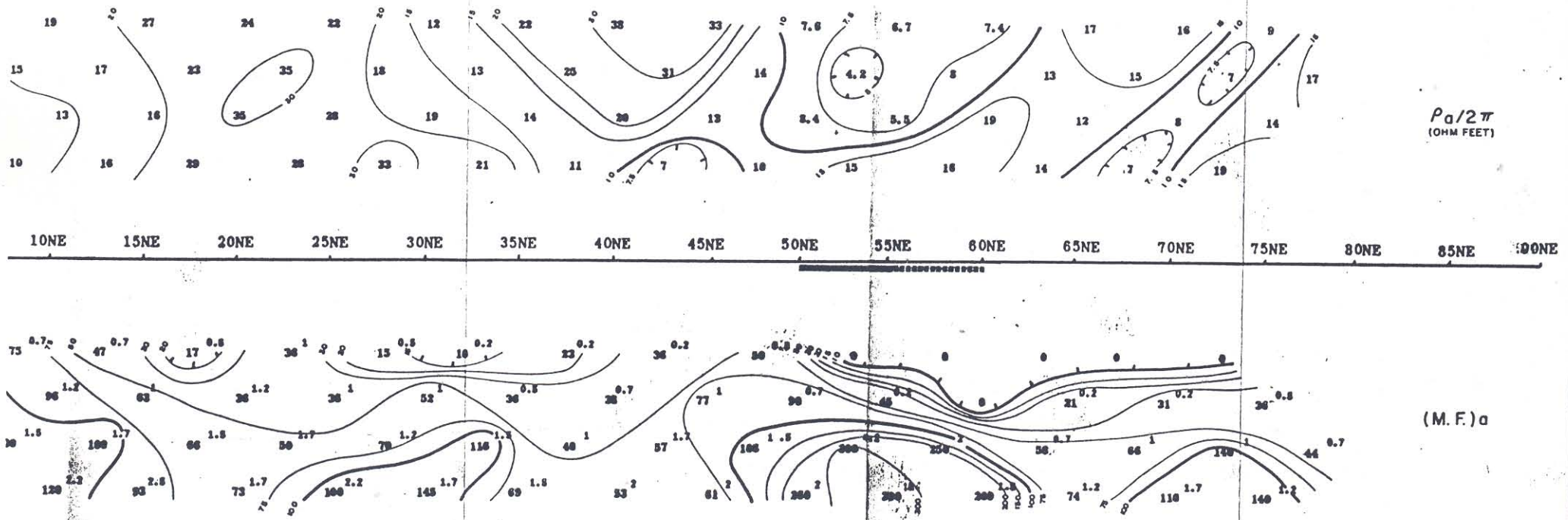
Scale-One Inch = 500 Feet

6000·0126 (3800)

DWG. NO.-I.P.-2146-7

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY



MARTEL MINING COMPANY

BOUNDER PROSPECT, MINERAL COUNTY, NEVADA.

Scale-One Inch = 500 Feet

FREQUENCY-0.3-2.5CPS.

DATE SURVEYED-FEB. 1964

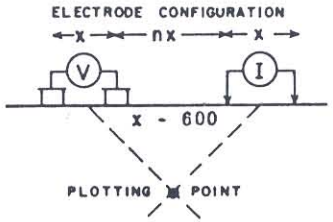
APPROVED

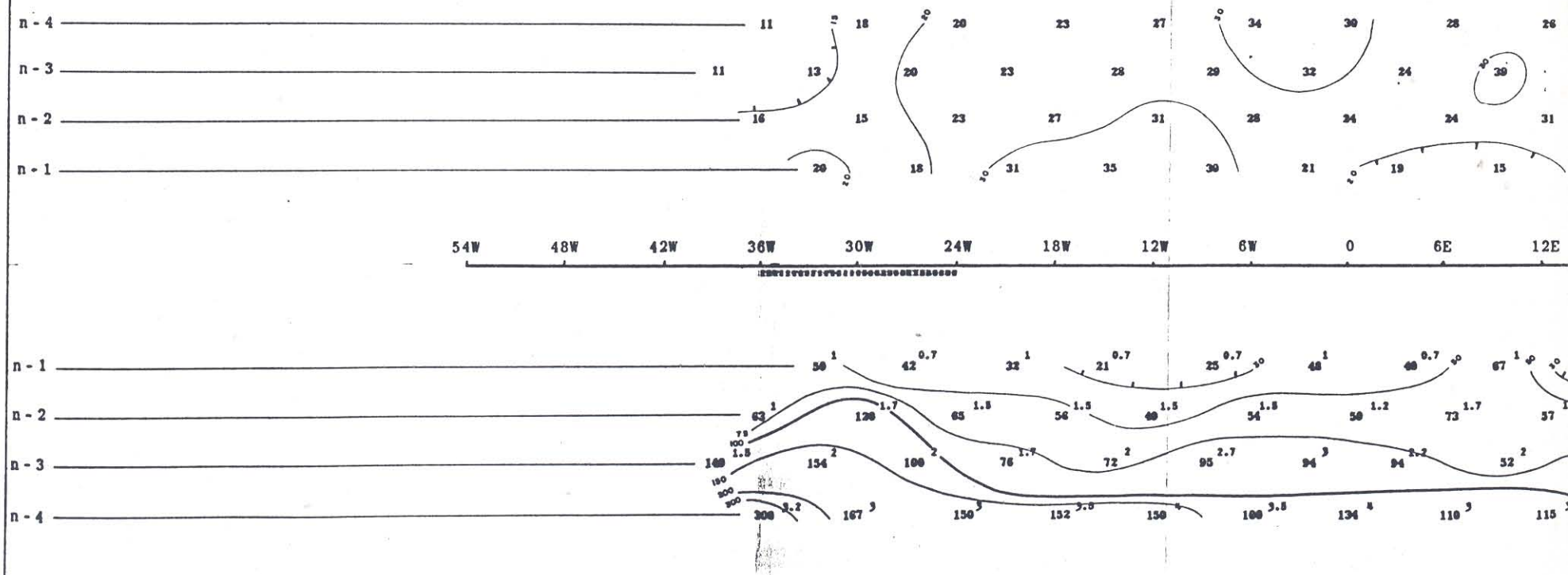
DATE 3/18/64

6000 0126 (3800)

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY





ANOMALOUS ZONE

POSSIBLE ANOMALOUS ZONE

NOTE
LOGARITHMIC CONTOUR INTERVAL

MARTEL MINING COMPANY

BOUNDER PROSPECT, MINERAL COUNTY, NEVADA.

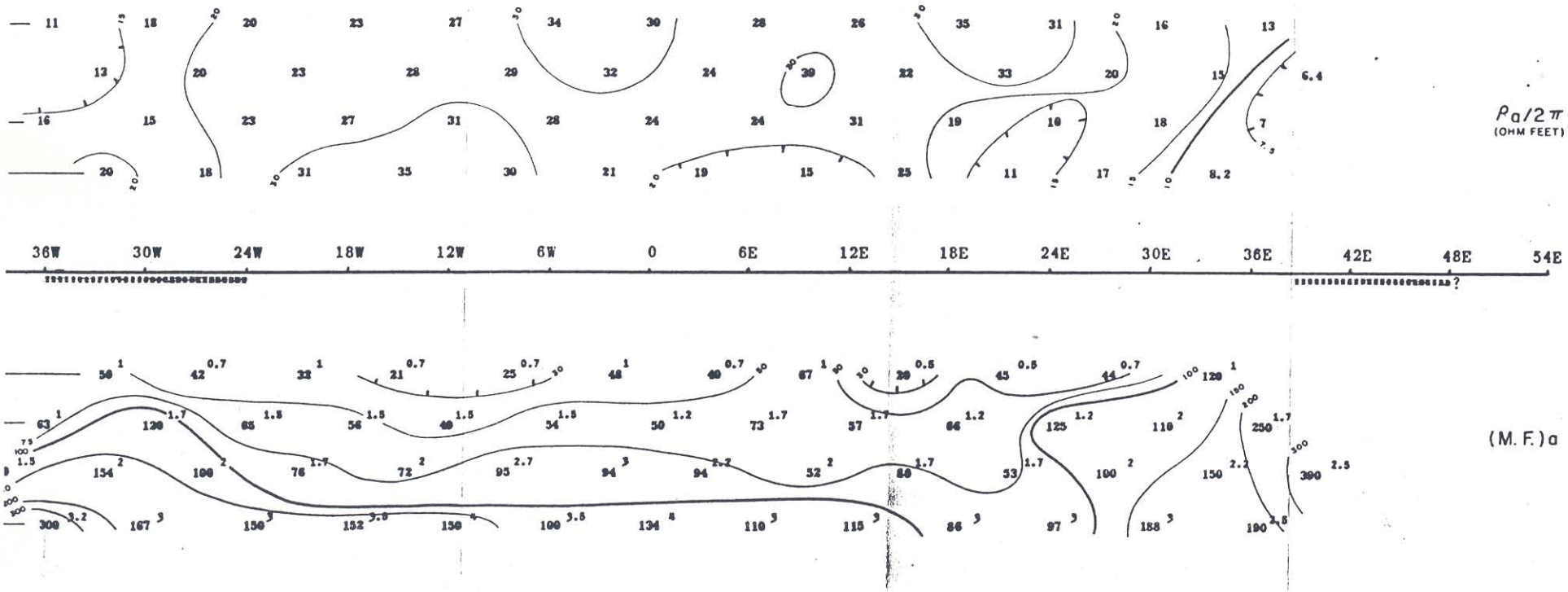
Scale-One Inch = 600 Feet

6000 0126 (3800)

DWG. NO.-I.P.-2146-8

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY



LINE NO.-37½N.

MARTEL MINING COMPANY

BOUNDER PROSPECT, MINERAL COUNTY, NEVADA.

Scale-One Inch = 600Feet

FREQUENCY-0.3-2.5CPS.

DATE SURVEYED-FEB 1964

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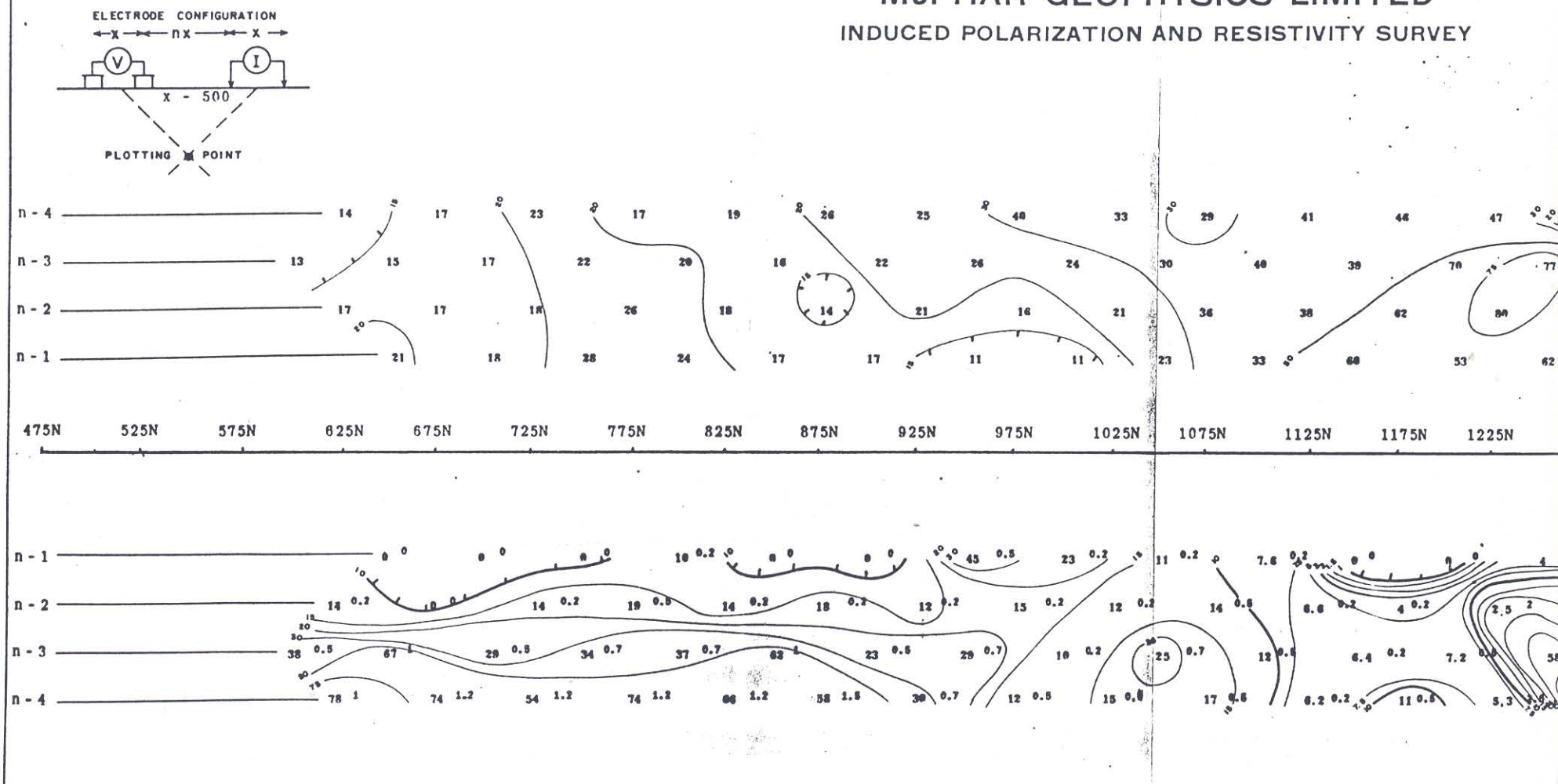
DATE 3/18/64

6000 0126 (3800)

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY



ANOMALOUS ZONE

POSSIBLE ANOMALOUS ZONE

NOTE
LOGARITHMIC CONTOUR INTERVAL

MARTEL MINING COMPANY

BOUNDER PROSPECT, MINERAL COUNTY, NEVADA.

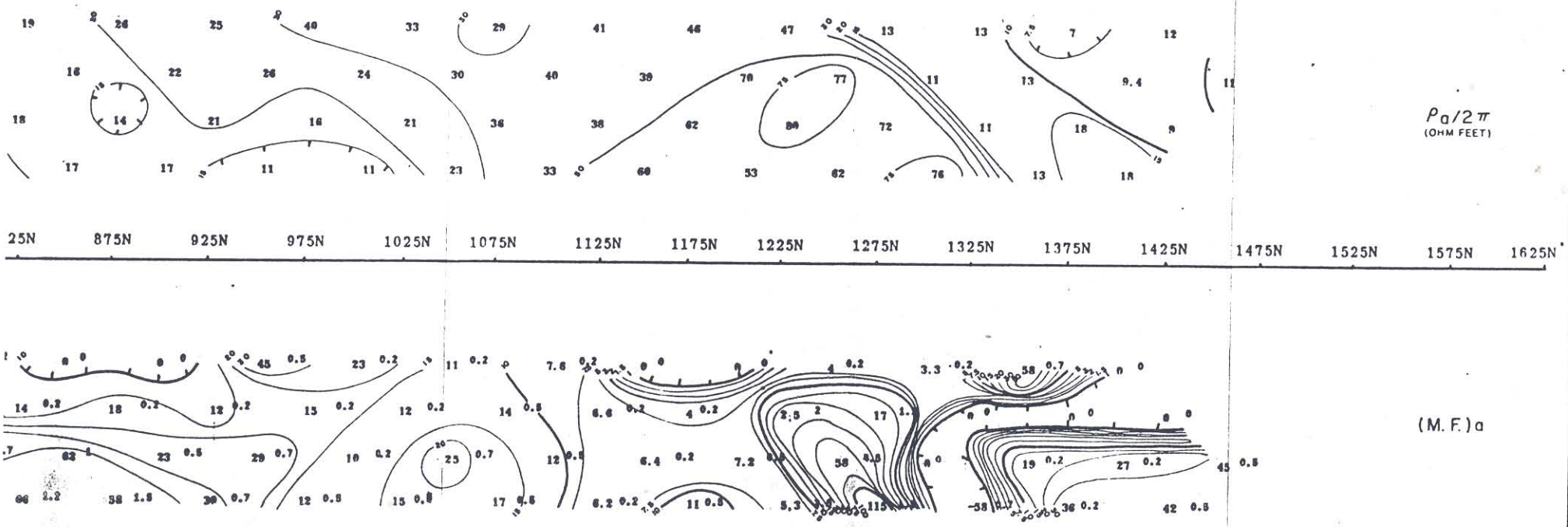
Scale-One inch = 500 Feet

6000 0126 (3800)

DWG. NO.-I.P.-2146-9

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY



LINE NO.-18E. NORTH PART

MARTEL MINING COMPANY

BOUNDER PROSPECT, MINERAL COUNTY, NEVADA.

Scale-One inch = 500 Feet

FREQUENCY-0.3-2.5CPS.

DATE SURVEYED-FEB 1964

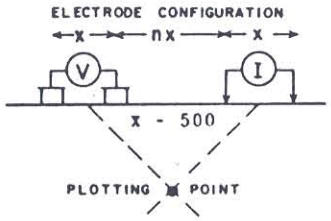
APPROVED

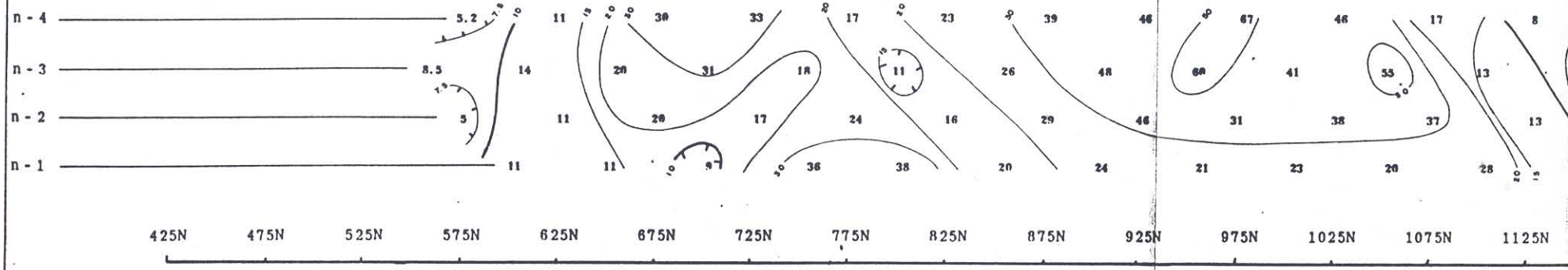
DATE 3/18/64

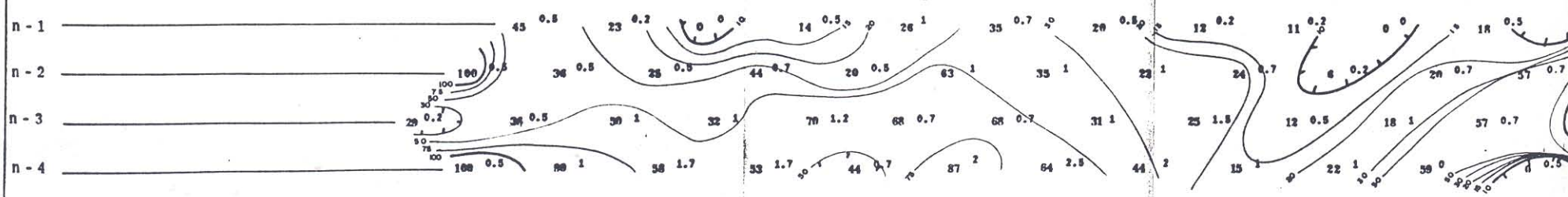
6000 0126 (3800)

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY







ANOMALOUS ZONE ———

POSSIBLE ANOMALOUS ZONE — — —

NOTE
LOGARITHMIC CONTOUR INTERVAL

MARTEL MINING COMPANY

BOUNDER PROSPECT, MINERAL COUNTY, NEVADA.

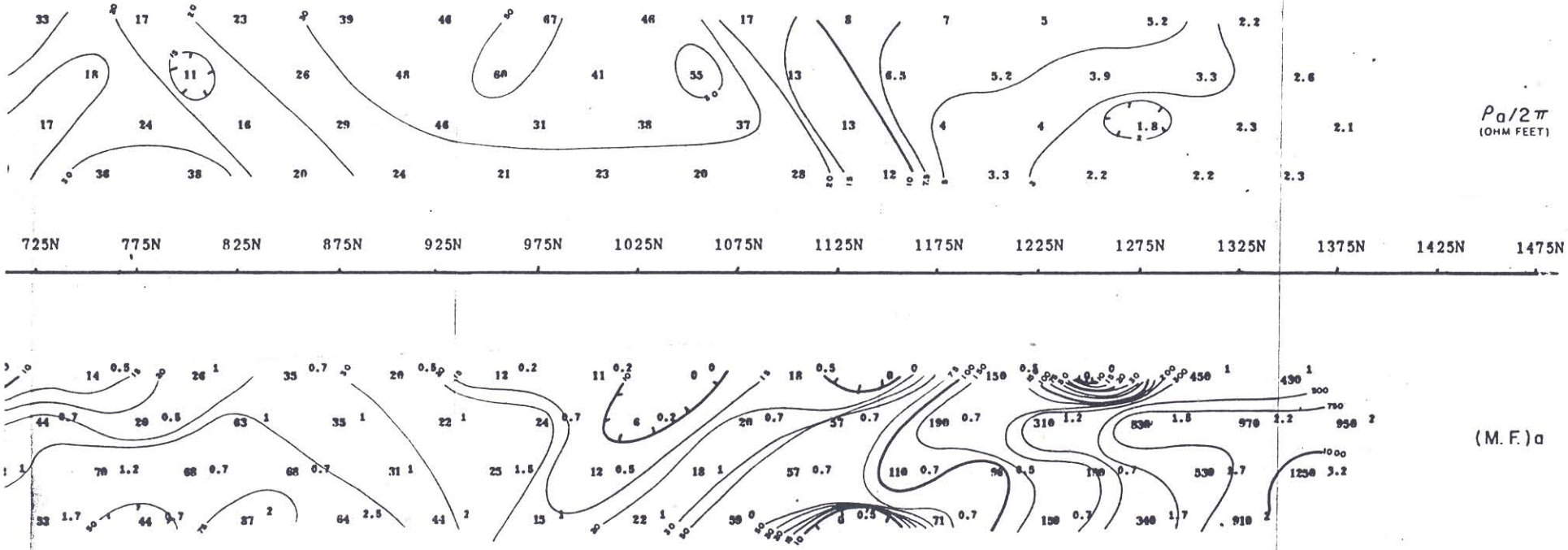
Scale-One Inch = 500 Feet

6000 0126 (3800)

DWG. NO.-I.P.-2146-10

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY



LINE NO.-6W

FREQUENCY-0.3-2.5CPS

DATE SURVEYED-FEB. 1964

APPROVED

DATE 3/18/64

MARTEL MINING COMPANY

BOUNDER PROSPECT, MINERAL COUNTY, NEVADA.

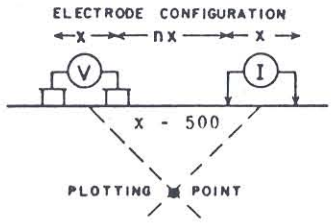
Scale-One Inch = 500 Feet

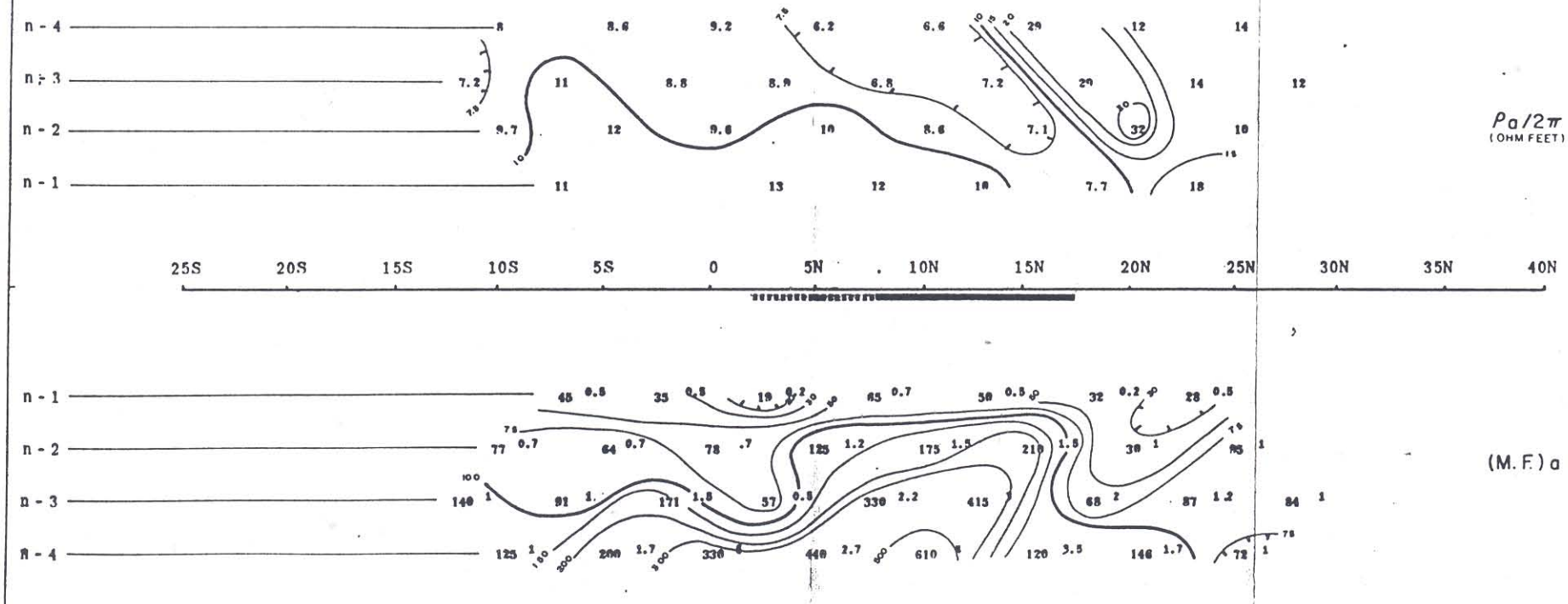
6000 0126 (3800)

DWG. NO.-I.P.-2146-11

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY





LINE NO.-3 OE.

ANOMALOUS ZONE ———

POSSIBLE ANOMALOUS ZONE — — —

NOTE
LOGARITHMIC CONTOUR INTERVAL

MARTEL MINING COMPANY

BOUNDER PROSPECT, MINERAL COUNTY, NEVADA.

Scale - One inch = 500 Feet

FREQUENCY-0.3-2.5CPS.

DATE SURVEYED-FEB 1964

APPROVED PA

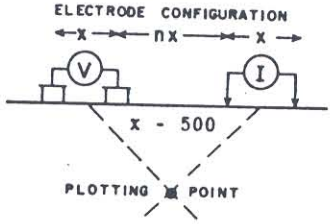
DATE 3/18/64

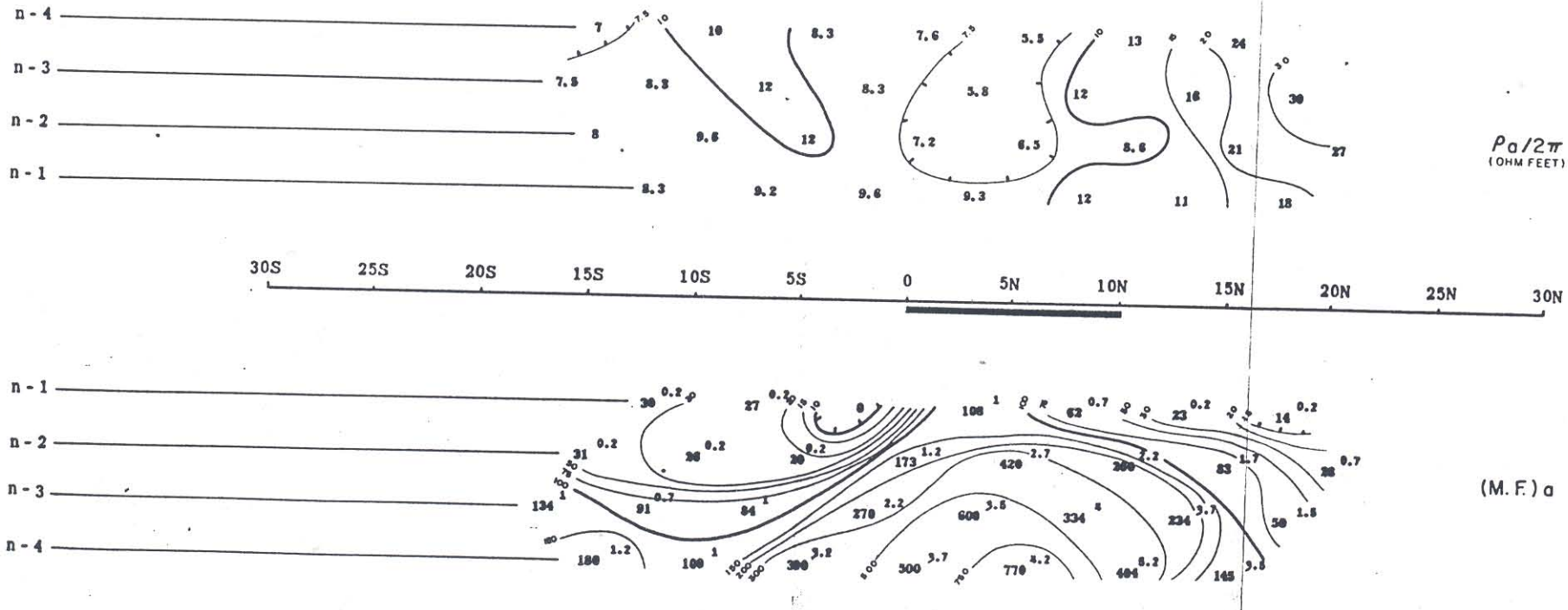
6000 0126 (3800)

DWG. NO.-I.P.-2146-12

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY





LINE NO.-24E.

ANOMALOUS ZONE

POSSIBLE ANOMALOUS ZONE

NOTE
LOGARITHMIC CONTOUR INTERVAL

MARTEL MINING COMPANY

BOUNDER PROSPECT, MINERAL COUNTY, NEVADA.

Scale - One inch = 500 Feet

FREQUENCY - 0·31-2·5CPS

DATE SURVEYED - FEB 1964

APPROVED

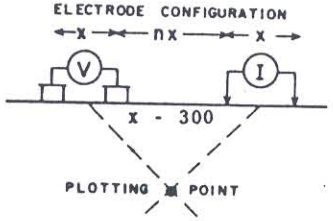
DATE 3/18/64

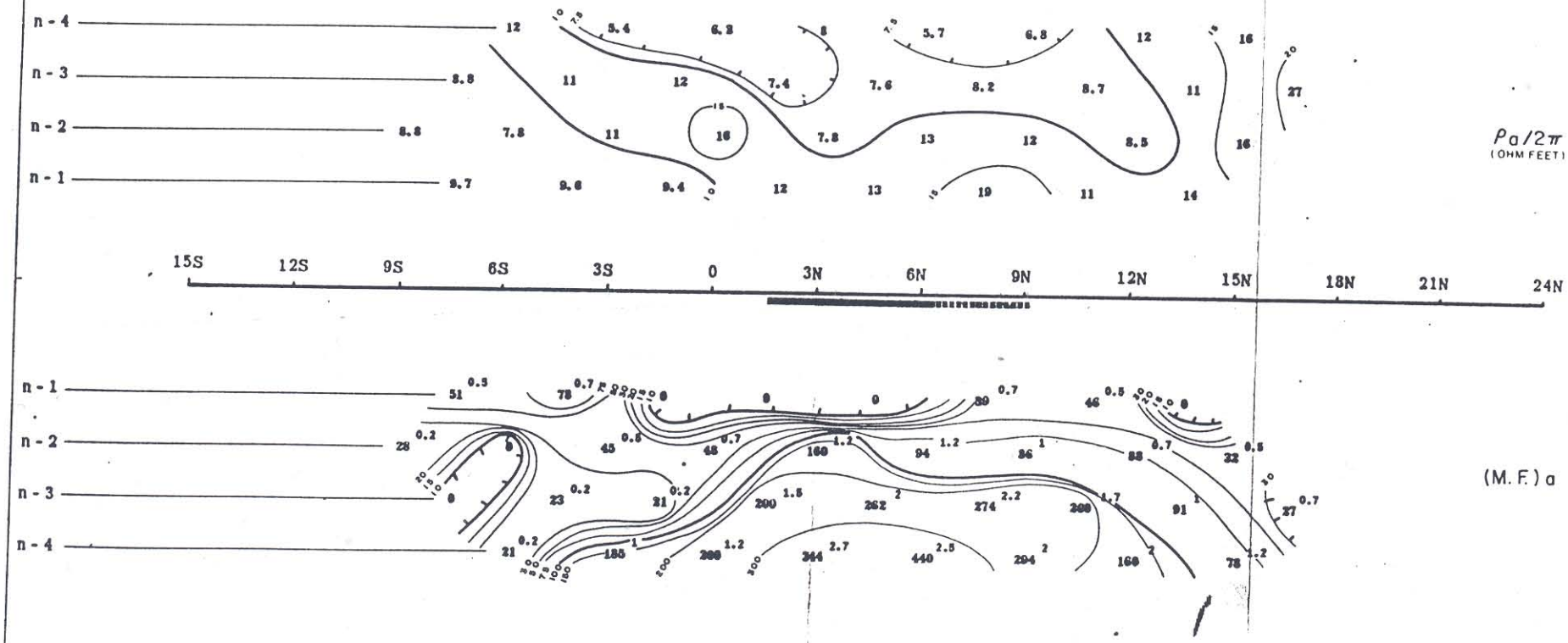
6000 0126 (3800)

DWG. NO.-I.P.-2146-13

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY





LINE NO.-24E.

ANOMALOUS ZONE

POSSIBLE ANOMALOUS ZONE

NOTE
LOGARITHMIC CONTOUR INTERVAL

MARTEL MINING COMPANY

BOUNDER PROSPECT, MINERAL COUNTY, NEVADA.

Scale - One inch = 300 Feet

FREQUENCY - 0.3 - 2.5 CPS.

DATE SURVEYED - FEB 1964

APPROVED

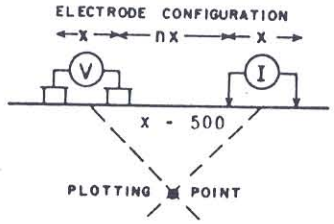
DATE 3/18/64

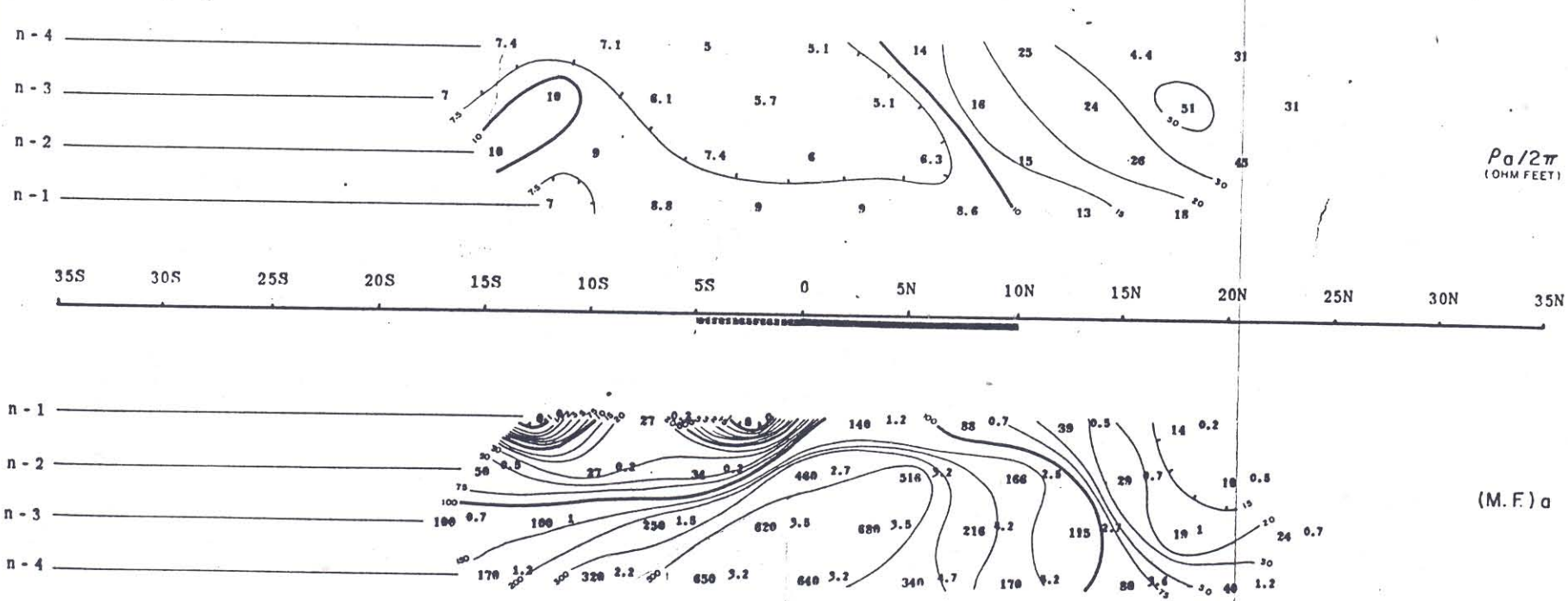
6000 0126 (3800)

DWG. NO.-I.P.-2146-14

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY





LINE NO.-18E. SOUTH PART.

ANOMALOUS ZONE ———

POSSIBLE ANOMALOUS ZONE — — —

NOTE
LOGARITHMIC CONTOUR INTERVAL

MARTEL MINING COMPANY

BOUNDER PROSPECT, MINERAL COUNTY, NEVADA.

Scale - One inch = 500 Feet

FREQUENCY - 0·3-2·5 CPS.

DATE SURVEYED - FEB 1964

APPROVED P

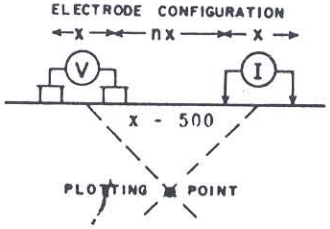
DATE 3/18/64

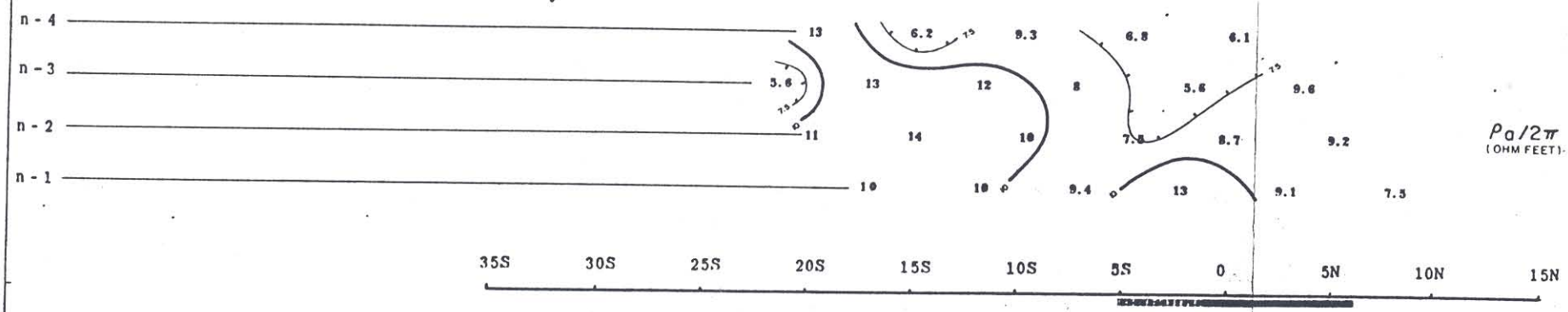
6000 0126 (3800)

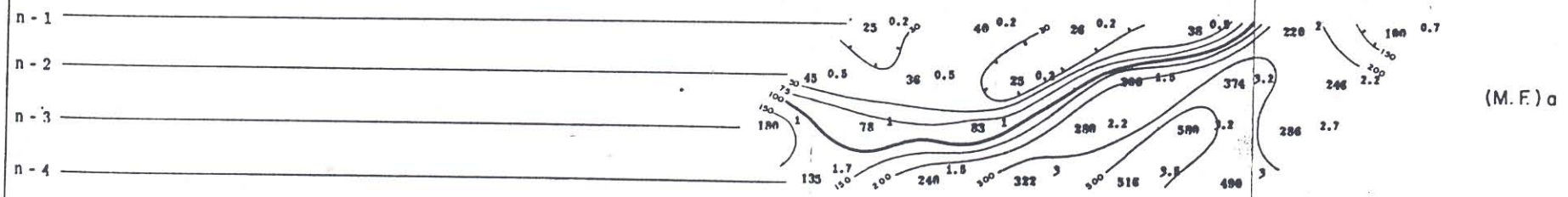
DWG. NO.-I.P.-2146-15

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY







LINE NO.-12E.

ANOMALOUS ZONE

POSSIBLE ANOMALOUS ZONE

NOTE
LOGARITHMIC CONTOUR INTERVAL

MARTEL MINING COMPANY

BOUNDER PROSPECT, MINERAL COUNTY, NEVADA.

Scale - One inch = 500 Feet

FREQUENCY - 0.3-2.5 CPS.

DATE SURVEYED - FEB. 1964

APPROVED

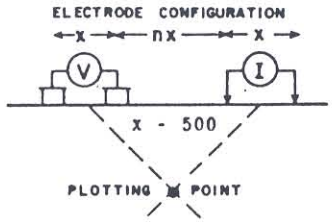
DATE 7/18/64

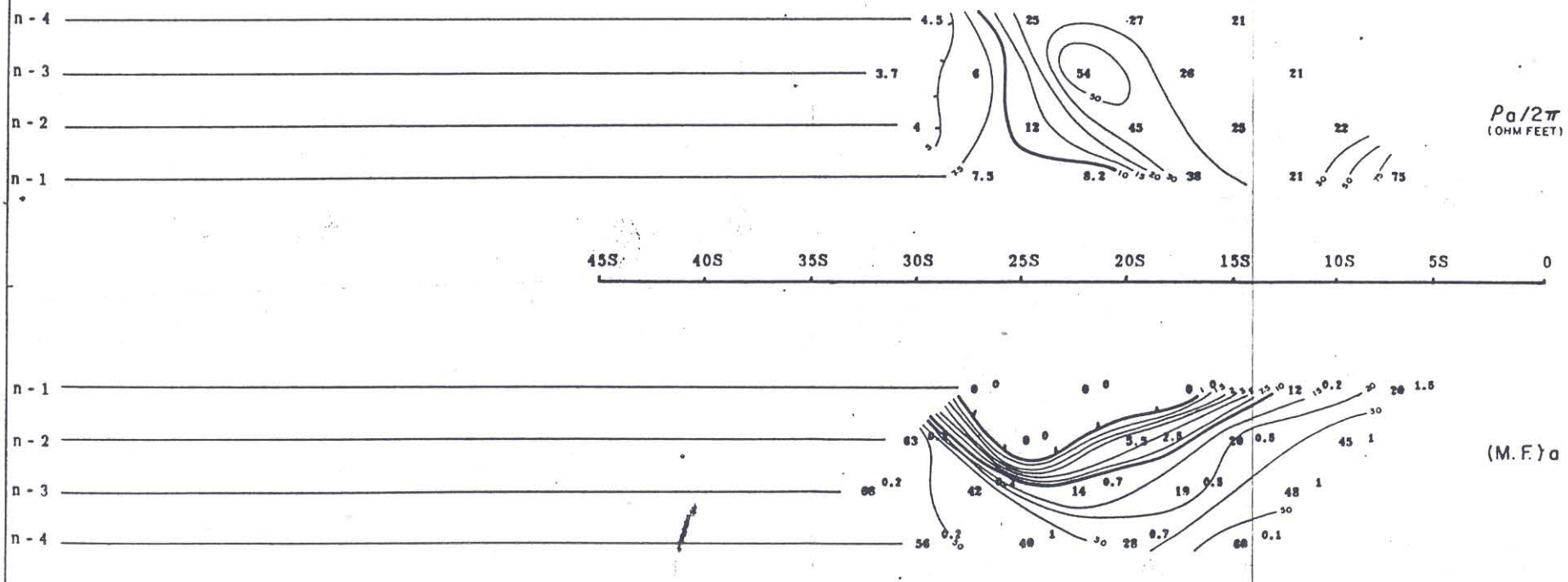
6000 0126 (3800)

DWG. NO.-I.P.-2146-16

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY





LINE NO.-6W.

ANOMALOUS ZONE

POSSIBLE ANOMALOUS ZONE

NOTE
LOGARITHMIC CONTOUR INTERVAL

MARTEL MINING COMPANY

BOUNDER PROSPECT, MINERAL COUNTY, NEVADA.

Scale - One inch = 500 Feet

FREQUENCY - 0.3 - 2.5 CPS.

DATE SURVEYED - FEB 1964

APPROVED A

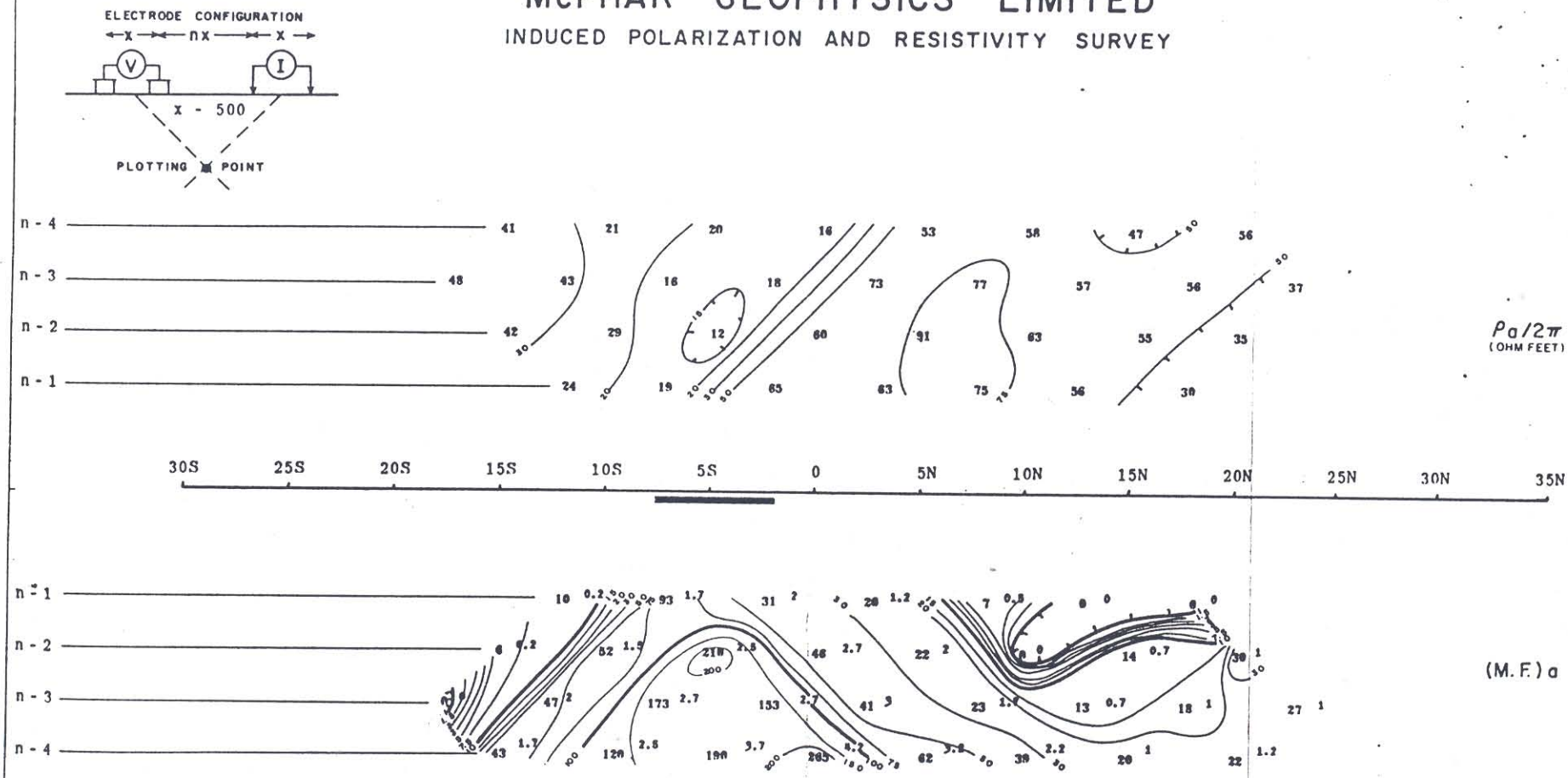
DATE 3/12/64

6000 0126 (3800)

DWG. NO.-I.P.-2146-17

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY



LINE NO.-18W.

ANOMALOUS ZONE

POSSIBLE ANOMALOUS ZONE

NOTE
LOGARITHMIC CONTOUR INTERVAL

MARTEL MINING COMPANY

BOUNDER PROSPECT, MINERAL COUNTY, NEVADA.

Scale - One inch = 500 Feet

FREQUENCY - 0.3 - 2.5 CPS.

DATE SURVEYED - FEB. 1964

APPROVED

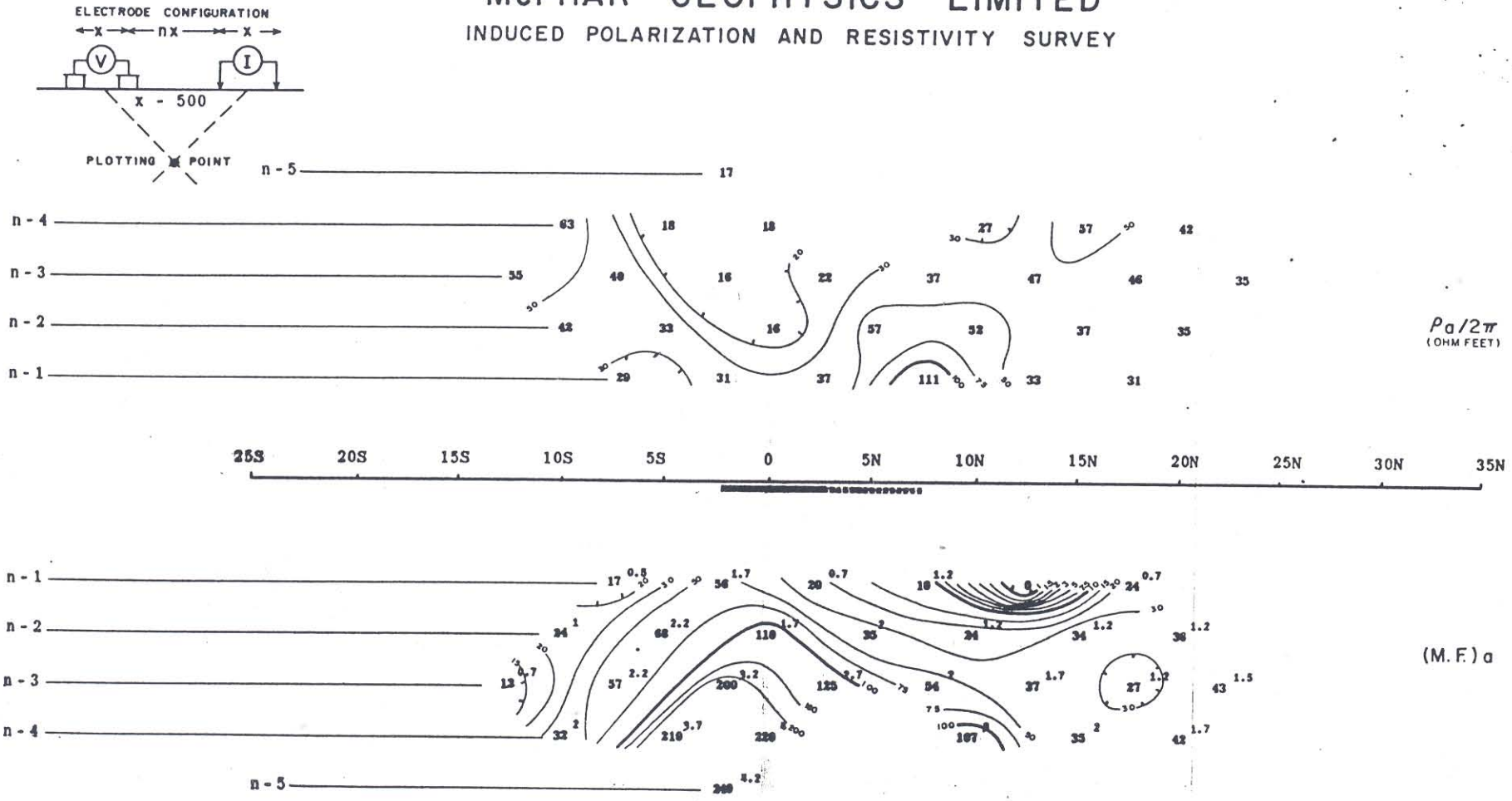
DATE 3/18/64

6000 0126 (6800)

DWG. NO.-I.P.-2146-18

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY



LINE NO.-21W.

ANOMALOUS ZONE

POSSIBLE ANOMALOUS ZONE

NOTE
LOGARITHMIC CONTOUR INTERVAL

MARTEL MINING COMPANY

BOUNDER PROSPECT, MINERAL COUNTY, NEVADA.

Scale - One inch = 500 Feet

FREQUENCY - 0.3-2.5CPS.

DATE SURVEYED - FEB. 1964

APPROVED

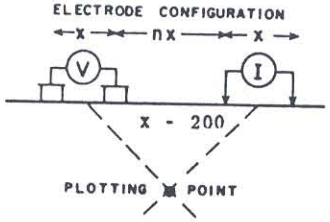
DATE 3/16/64

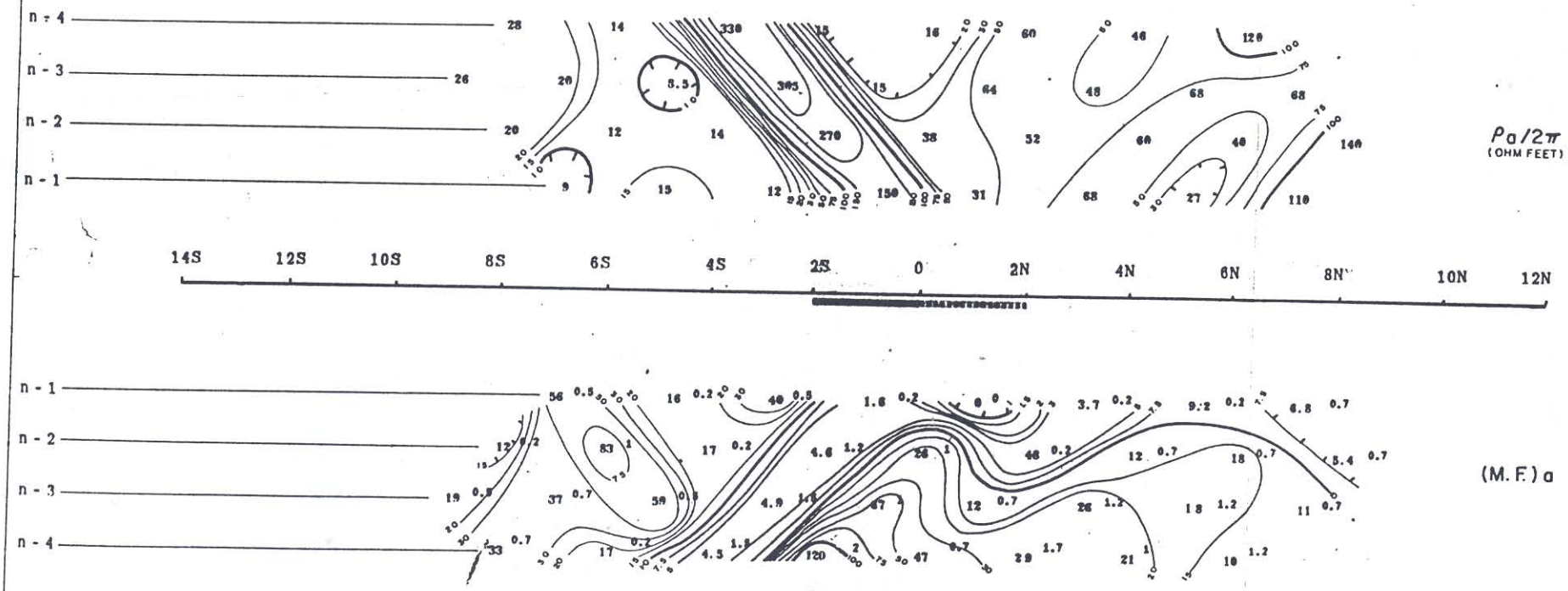
6000 0126 (3800)

DWG. NO.-I.P.-2146-19

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY





LINE NO.-21W.

ANOMALOUS ZONE

POSSIBLE ANOMALOUS ZONE

NOTE
LOGARITHMIC CONTOUR INTERVAL

MARTEL MINING COMPANY

BOUNDER PROSPECT, MINERAL COUNTY, NEVADA.

Scale - One inch = 200 Feet

FREQUENCY - 0.3 - 2.5 CPS

DATE SURVEYED - FEB. 1964

APPROVED

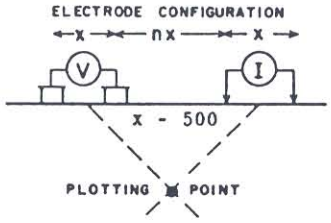
DATE 3/18/64

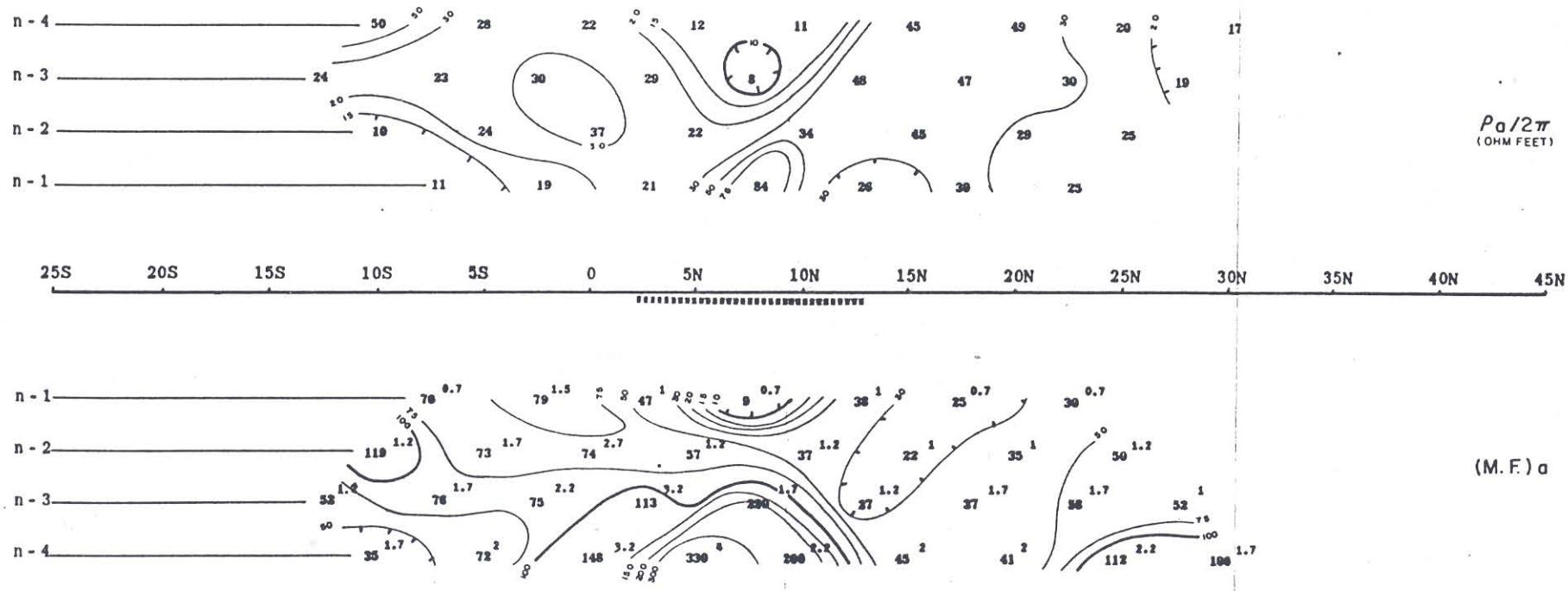
6000 0126 (3800)

DWG. NO.-I.P.-2146-20

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY





LINE NO.-24W

ANOMALOUS ZONE

POSSIBLE ANOMALOUS ZONE

NOTE
LOGARITHMIC CONTOUR INTERVAL

MARTEL MINING COMPANY

BOUNDER PROSPECT, MINERAL COUNTY, NEVADA.

Scale - One inch = 500 Feet

FREQUENCY - 0.3-2.5 CPS.

DATE SURVEYED - FEB. 1964

APPROVED P

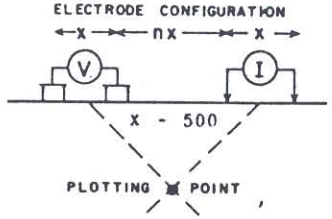
DATE 3/18/64

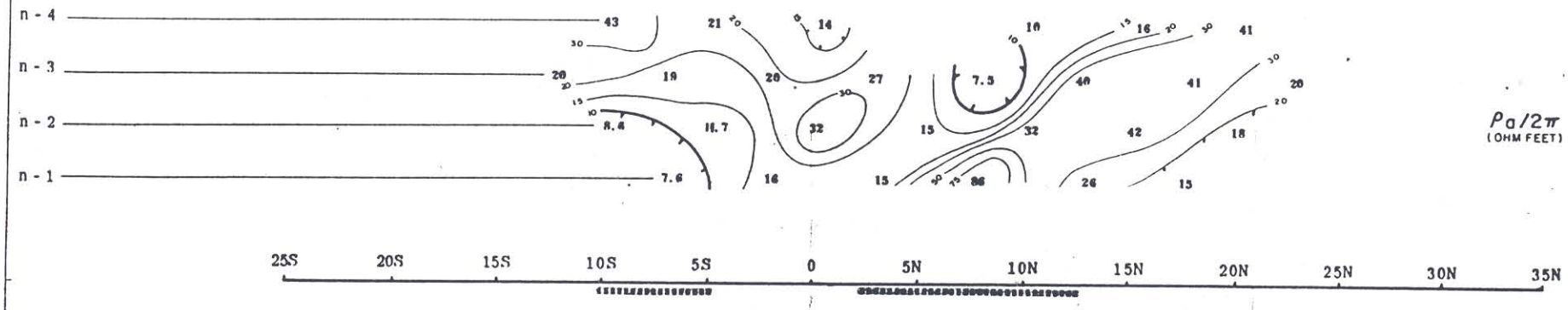
6000 0126 (3800)

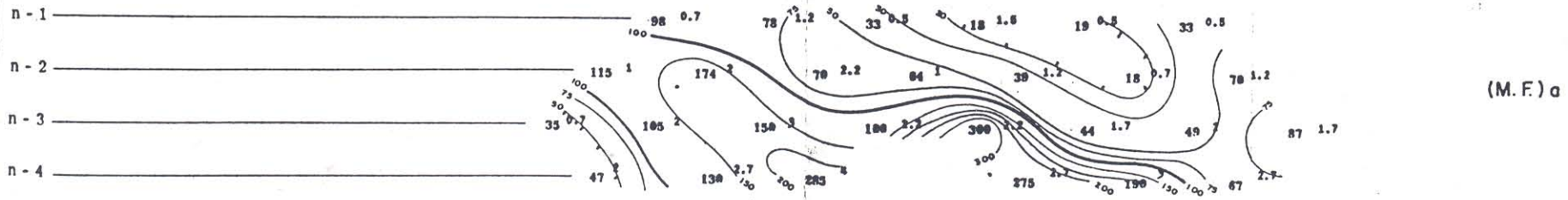
DWG. NO.-I.P.-2146-21

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY







ANOMALOUS ZONE

POSSIBLE ANOMALOUS ZONE

NOTE
LOGARITHMIC CONTOUR INTERVAL

MARTEL MINING COMPANY

BOUNDER PROSPECT, MINERAL COUNTY, NEVADA.

Scale - One inch = 500 Feet

FREQUENCY-0·3-2·5CPS.

DATE SURVEYED-FEB 1964

APPROVED

DATE 3/18/64

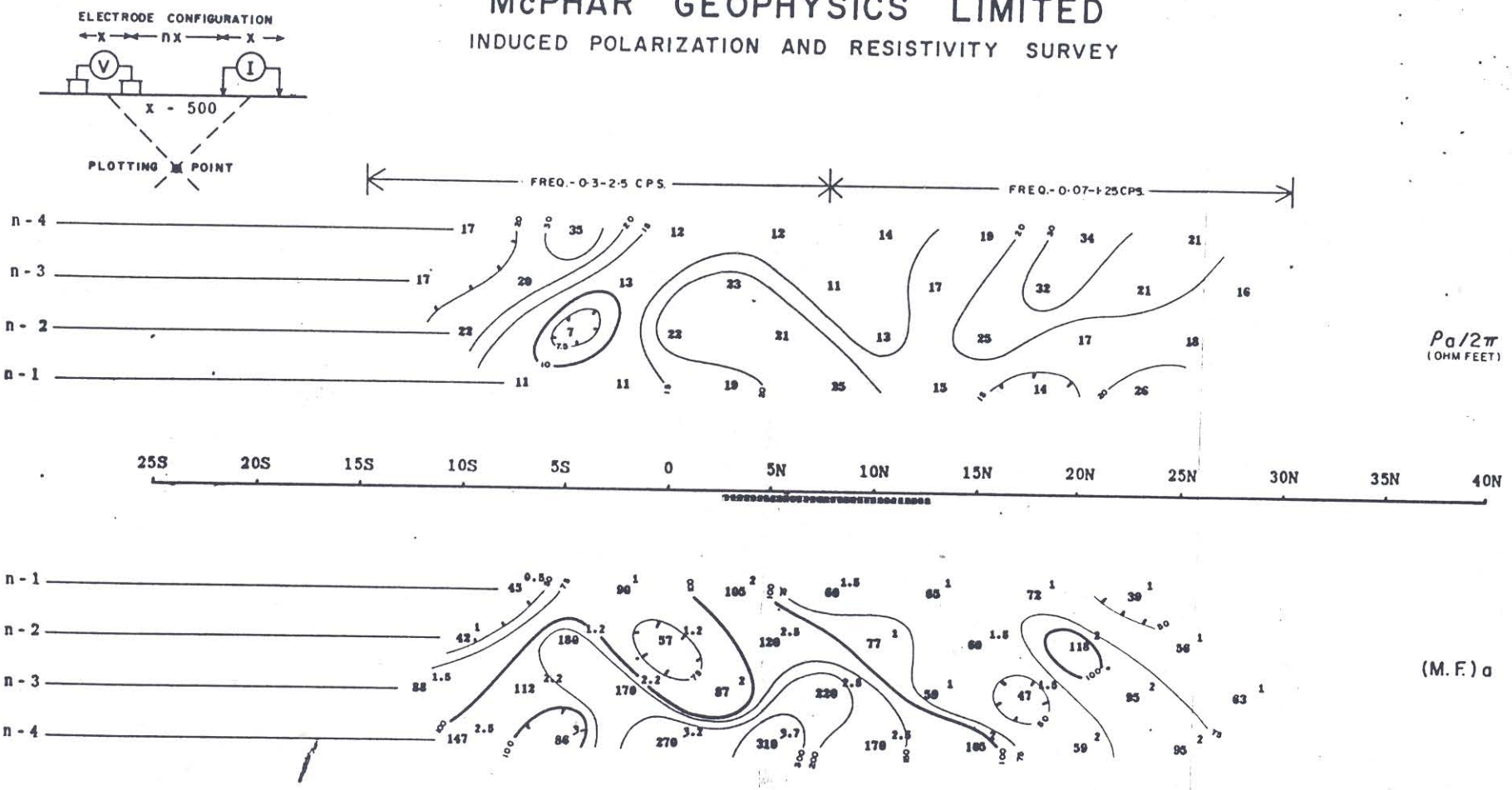
LINE NO.-27W.

6000 0126 (3800)

DWG. NO.-I.P.-2146-22

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY



LINE NO.-30W.

ANOMALOUS ZONE

POSSIBLE ANOMALOUS ZONE

NOTE
LOGARITHMIC CONTOUR INTERVAL

MARTEL MINING COMPANY

BOUNDER PROSPECT, MINERAL COUNTY, NEVADA.

Scale - One inch = 500 Feet

FREQUENCY-AS SHOWN.

DATE SURVEYED-FEB. 1964

APPROVED

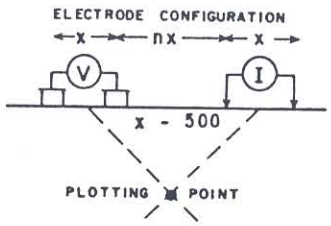
DATE 3/18/64

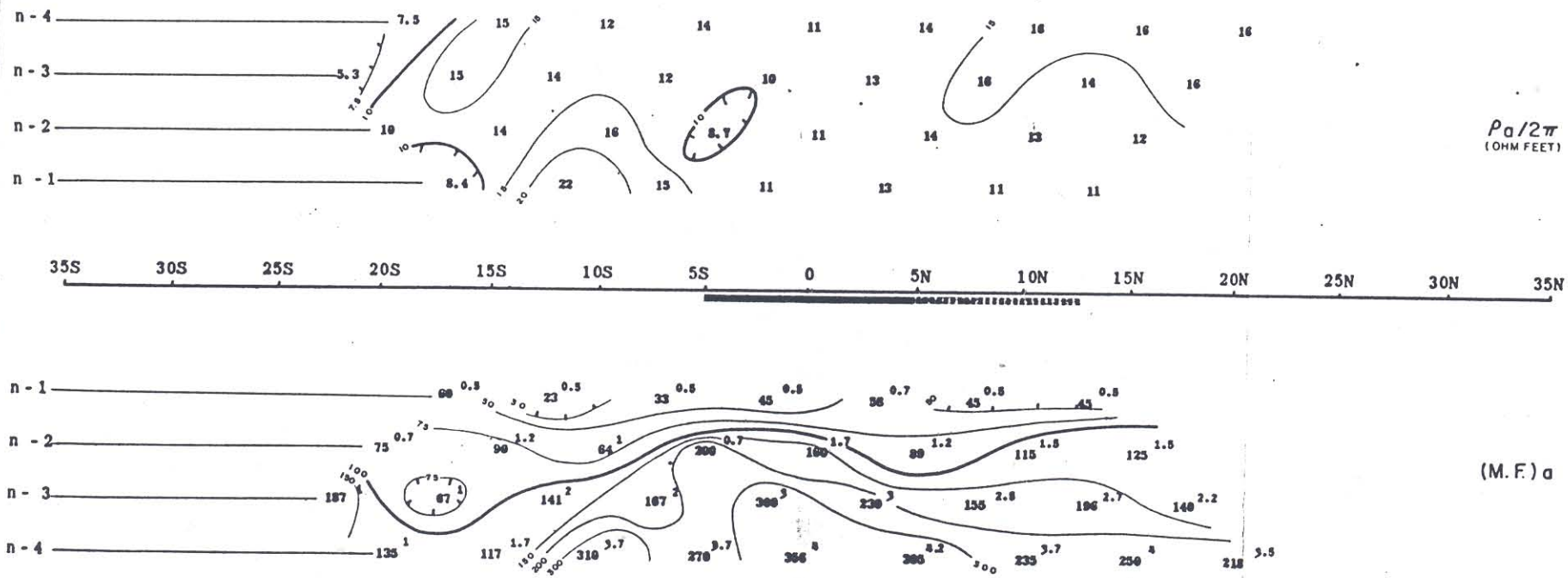
6000 0126 (3800)

DWG. NO.-I.P.-2146-23

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY





LINE NO.-37W.

ANOMALOUS ZONE

POSSIBLE ANOMALOUS ZONE

NOTE
LOGARITHMIC CONTOUR INTERVAL

MARTEL MINING COMPANY

BOUNDER PROSPECT, MINERAL COUNTY, NEVADA.

Scale - One inch = 500 Feet

FREQUENCY-0·3-2·5CPS.

DATE SURVEYED-FEB 1964

APPROVED

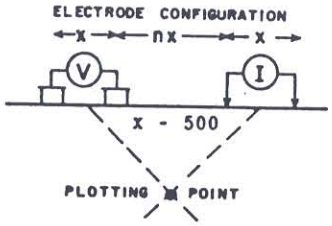
DATE 3/18/64

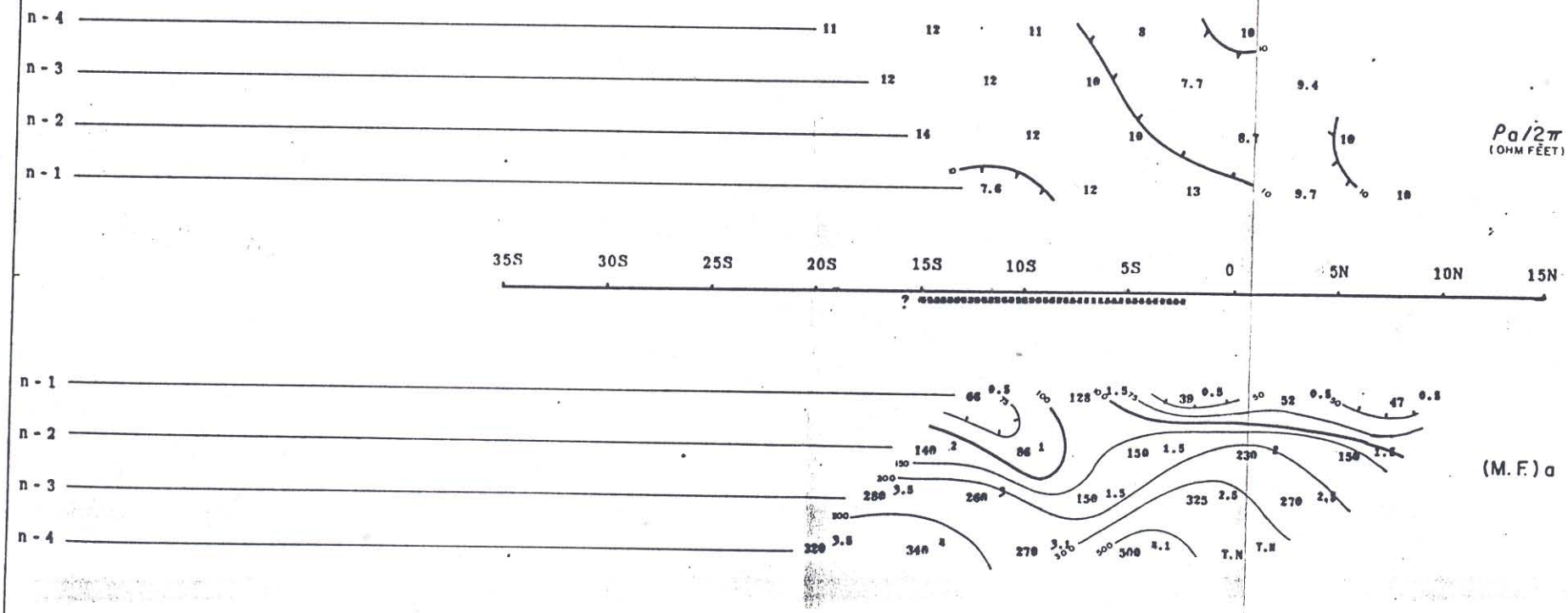
6000 D126 (3800)

DWG. NO.-I.P.-2146-24

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY





LINE NO.-46W.

ANOMALOUS ZONE

POSSIBLE ANOMALOUS ZONE

NOTE
LOGARITHMIC CONTOUR INTERVAL

MARTEL MINING COMPANY

BOUNDER PROSPECT, MINERAL COUNTY, NEVADA.

Scale - One inch = 500 Feet

FREQUENCY - 0.071-2.5 CPS.

DATE SURVEYED - FEB. 1964

APPROVED

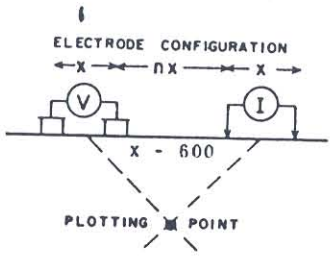
DATE 3/18/64

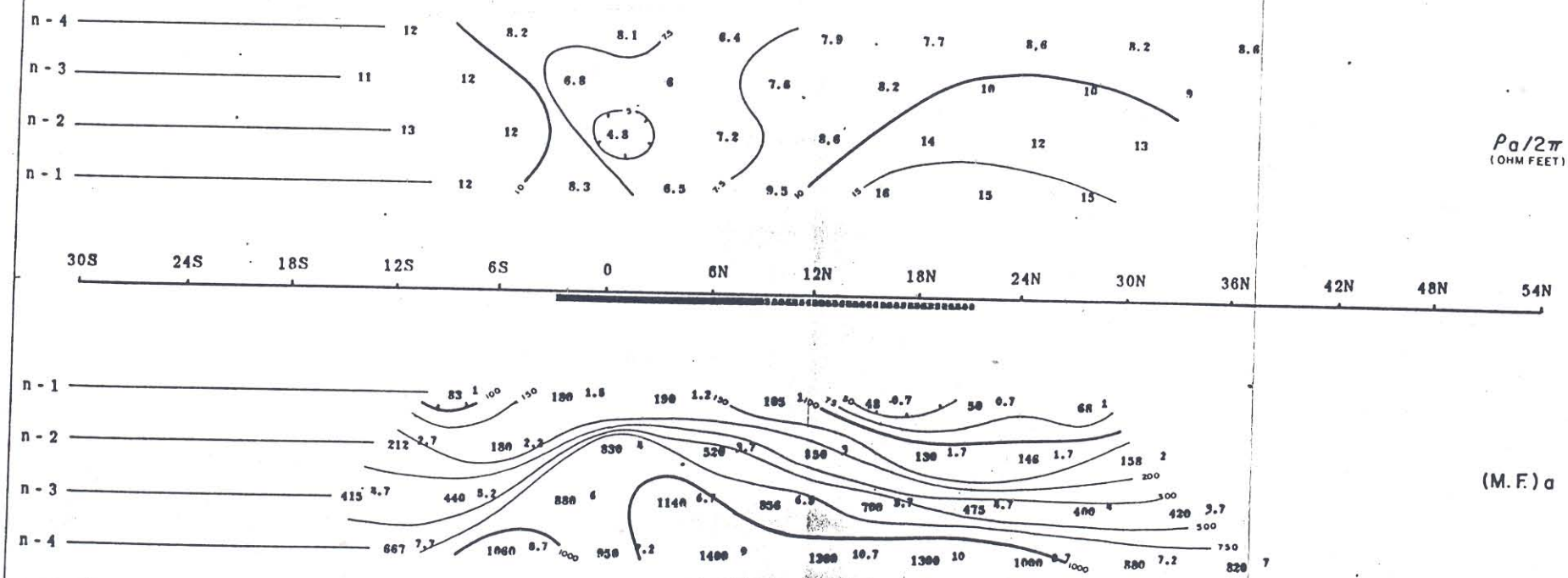
6000 0126 (3800)

DWG. NO.-I.P.-2146-25

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY





LINE NO.-56W.

ANOMALOUS ZONE

POSSIBLE ANOMALOUS ZONE

NOTE
LOGARITHMIC CONTOUR INTERVAL

MARTEL MINING COMPANY

BOUNDER PROSPECT, MINERAL COUNTY, NEVADA.

Scale - One inch = 600 Feet

FREQUENCY-0·3-2·5CPS.

DATE SURVEYED-FEB 1964

APPROVED R

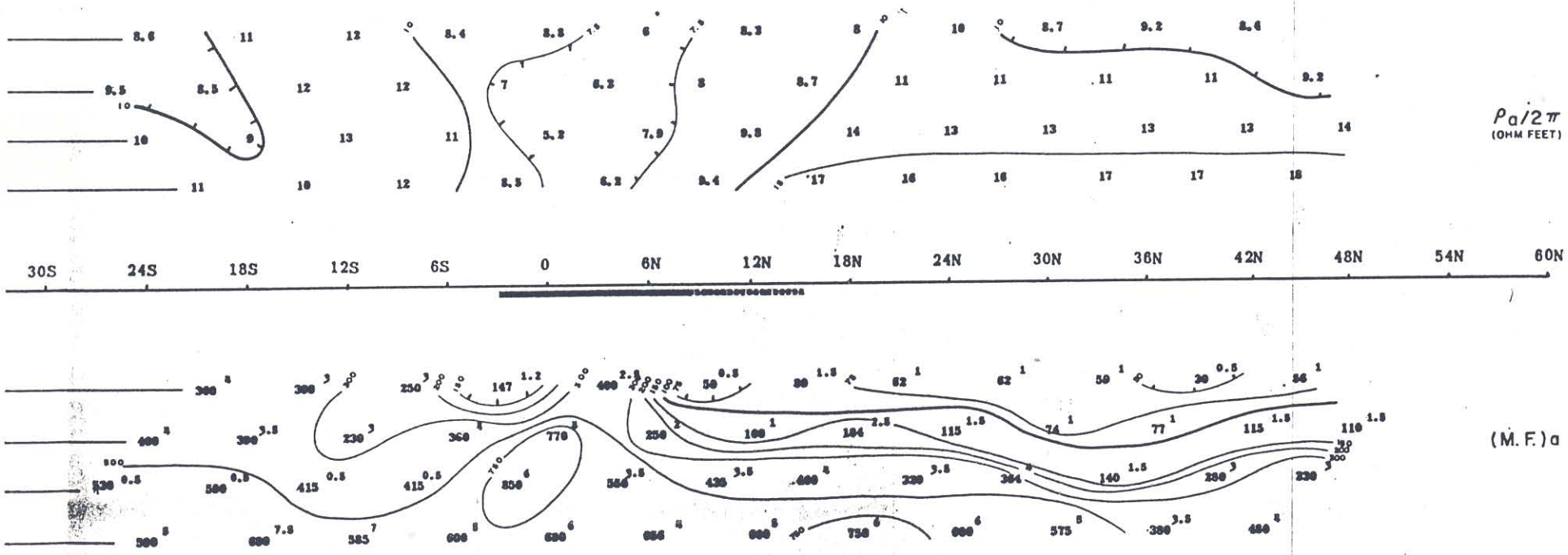
DATE 3/18/64

6000 0126 (3800)

DWG. NO.-I.P.-2146-26

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY



LINE NO.-56W.

FREQUENCY-0.07-1.25CPS

DATE SURVEYED-FEB 1964

APPROVED PF

DATE 3/18/64

MARTEL MINING COMPANY

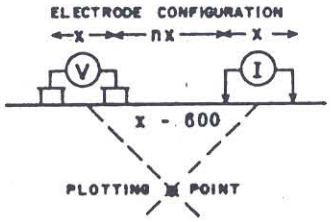
BOUNDER PROSPECT, MINERAL COUNTY, NEVADA.

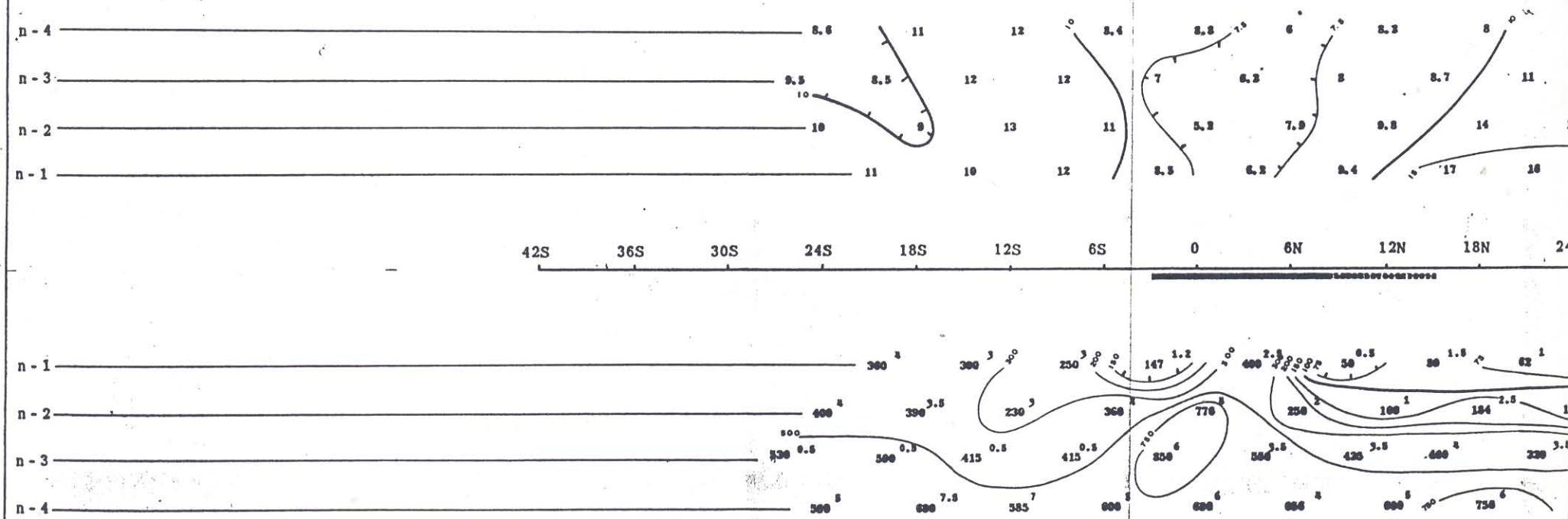
Scale-One Inch = 600 Feet

6000 0126 (3800)

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY





ANOMALOUS ZONE

POSSIBLE ANOMALOUS ZONE

NOTE
LOGARITHMIC CONTOUR INTERVAL

MARTEL MINING COMPANY

BOUNDER PROSPECT, MINERAL COUNTY, NEVADA.

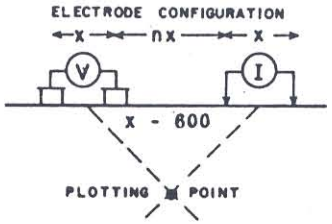
Scale-One Inch = 600 Feet

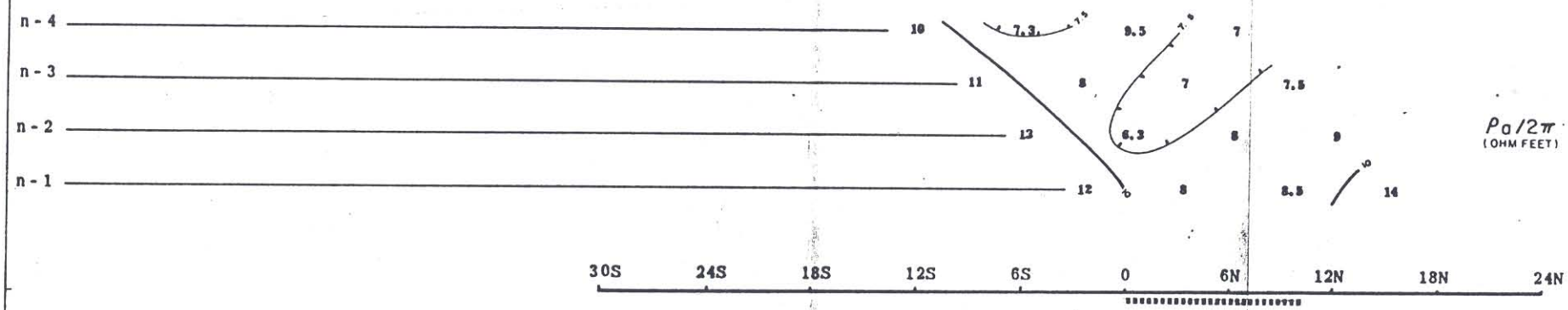
6000 0126 (3800)

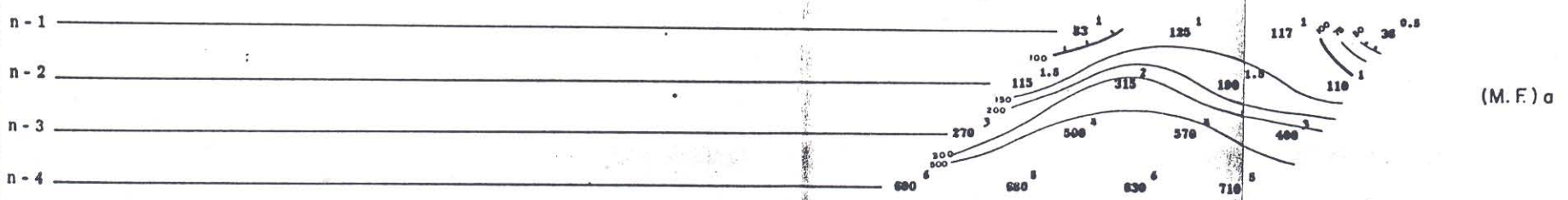
DWG. NO.-I.P.-2146-27

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY







ANOMALOUS ZONE ———

POSSIBLE ANOMALOUS ZONE — — —

NOTE
LOGARITHMIC CONTOUR INTERVAL

MARTEL MINING COMPANY

BOUNDER PROSPECT, MINERAL COUNTY, NEVADA.

Scale - One inch = 600 Feet

FREQUENCY - 0·07-1·25 CPS

DATE SURVEYED - FEB 1964

APPROVED PH

DATE 3/18/64

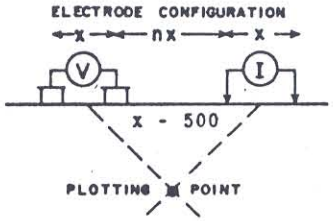
LINE NO.-57W.

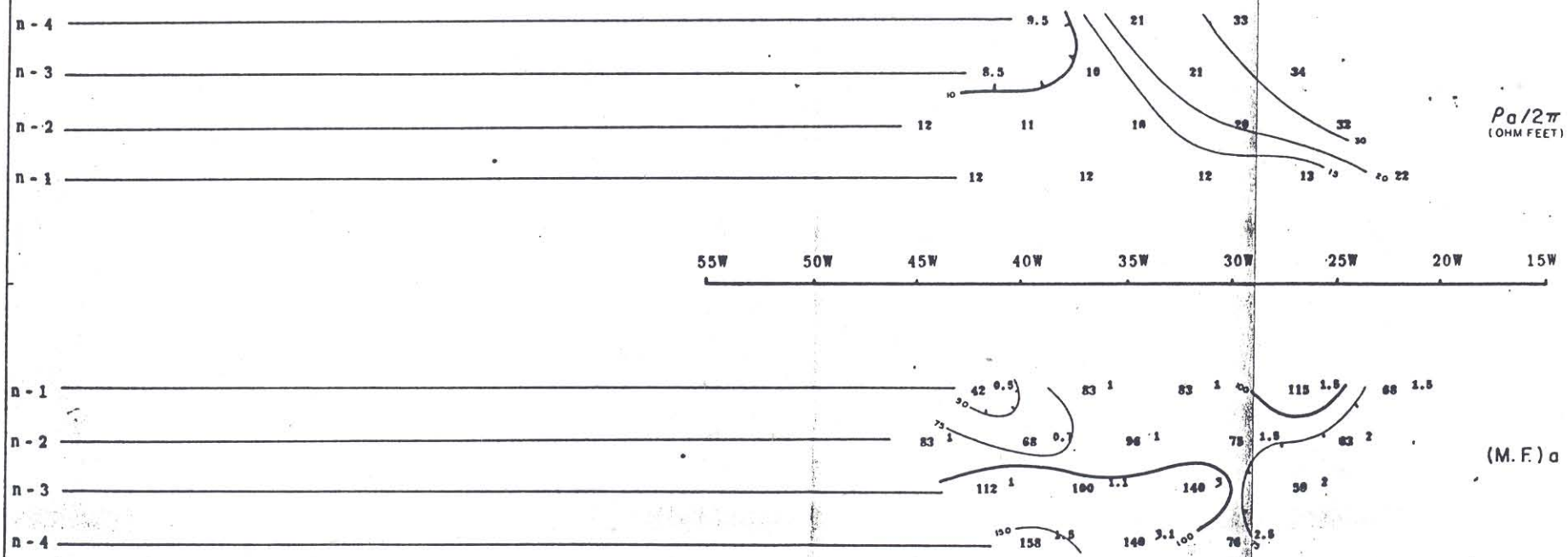
6000 0126 (3800)

DWG. NO.-I.P.-2146-28

McPHAR GEOPHYSICS LIMITED

INDUCED POLARIZATION AND RESISTIVITY SURVEY





LINE NO.-750 N.

ANOMALOUS ZONE

POSSIBLE ANOMALOUS ZONE

NOTE
· LOGARITHMIC CONTOUR INTERVAL

MARTEL MINING COMPANY

BOUNDER PROSPECT, MINERAL COUNTY, NEVADA.

Scale - One inch = 500 Feet

FREQUENCY-0·07-1·25CPS

DATE SURVEYED-FEB 1964

APPROVED

DATE 3/18/64

McPHAR GEOPHYSICS LIMITED

LOCATION MAP

6000 0126 (3800)

NOTE

ANOMALOUS ZONE

POSSIBLE ANOMALOUS ZONE

TOWNSHIP BOUNDARY

N

MARTEL MINING COMPANY

BOUNDER PROSPECT, MINERAL COUNTY, NEVADA.

#5

SCALE

500 FEET 250 0 500 1000 1500 2000 2500 FEET

One Inch = Five Hundred Feet

DRAWN R.J.M.

DATE FEB '64

APPROVED

PI

DATE

3/18/64

#5

DWG. MISC-4070