

'84-953-#13027

GEOPHYSICAL ASSESSMENT REPORT

INDUCED POLARIZATION AND APPARENT RESISTIVITY SURVEY

on the

RON 4 and DU MINERAL CLAIMS
(KEMESS CREEK PROPERTY)

SOUTH TOODOGGONE AREA

OMINECA MINING DIVISION, B.C.

Latitude: 57° 01'N
Longitude: 126° 45'W
NTS: 94E2; 94D15

for

PACIFIC RIDGE RESOURCES CORP.
801 - 675 West Hastings Street
Vancouver, B.C.

Field Work Performed: September 18-27, 1984

Report by: Alan Scott, Geophysicist November, 1984

2. GEOLOGICAL BRANCH
ASSESSMENT REPORT

13,027

PART
2 OF 2

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INTRODUCTION

During the period September 18 to 27, 1984, some 13 line kilometers of Induced polarization (IP) survey was completed over portions of the Ron 4 and Du mineral claims (Kemess Creek Property). The work was performed by Phoenix Geophysics Ltd. on behalf of Anaconda Canada Exploration Ltd. under terms of an agreement with the owner of the claims, Pacific Ridge Resources Corp. The author was engaged by Pacific Ridge to prepare this report for purposes of filing assessment credits.

The IP survey was conducted in the frequency domain utilizing the dipole dipole electrode array at an Interelectrode separation of 100 meters and "n" separations 1 to 4. This report presents the data and discusses the results of that survey.

LOCATION AND ACCESS

The Kemess Creek Property, also referred to as the Ron Property, is located near the south end of Duncan Lake, Northern British Columbia, at the southern end of the Toodoggone area (figures 1 and 2).

Access to the property was gained via helicopter from Johansen Lake, 65km to the southeast.

CLAIMS

The Ron 4 and Du claims are located in the Omineca Mining Division. Their record numbers are noted below:

Ron 4	No. 3630	20 units
Du	No. 6396	20 units

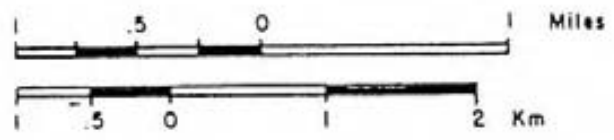
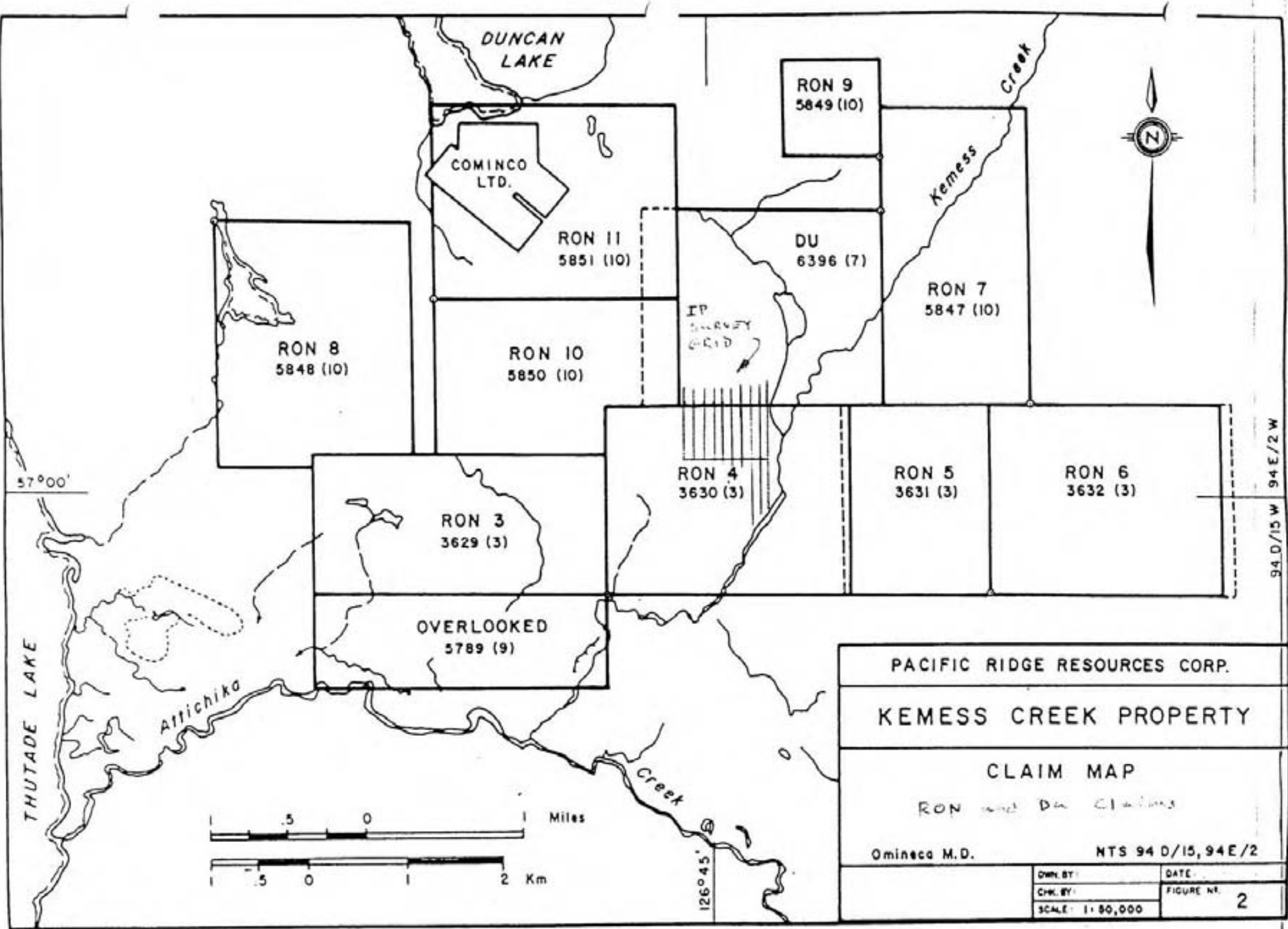
The claims are owned by Pacific Ridge Resources Corp. and are part of a larger block of claims known collectively as the Kemess Creek property.



THUTADE LAKE PROJECT

SCALE
Kilometres 0 40 80 120

PACIFIC RIDGE RESOURCES CORP.	
KEMESS CREEK PROPERTY	
LOCATION MAP	
Omineca M D	
NTS 94 D/15, 94 E/2	
OWN BY	DATE
CHK BY	FIGURE NO
SCALE AS SHOWN	1



PACIFIC RIDGE RESOURCES CORP.	
KEMESS CREEK PROPERTY	
CLAIM MAP	
RON and DU Claims	
Omineca M.D.	NTS 94 D/15, 94 E/2
OWN. BY:	DATE:
CHK. BY:	FIGURE NO. 2
SCALE: 1:50,000	




INSTRUMENTATION AND PROCEDURES

The dipole dipole electrode array was used on the Kemess Creek IP survey, with an interelectrode spacing of 100 meters and "n" separation 1 to 4. Readings were taken in the frequency domain using a high frequency of 5 Hz. and a low frequency of 0.3 Hz. Instrumentation consisted of a Phoenix IPT-1 transmitter and a Phoenix IPV-1 receiver.

The results are presented in standard pseudosection format (figures 3 to 12) and the n=1 percent frequency effect values (pfe) are also presented in contour plan form (figure 13). The apparent resistivity values were calculated from the low frequency response and are plotted at the top of the pseudosections. Units are in ohm meters. The pfe values (IP effect) are plotted in the middle of the pseudosections and represent the difference in the low frequency less high frequency response, normalized to the high frequency and expressed as a percentage. The frequency effect is the principal parameter of interest on the present survey. The metal factor values are plotted at the bottom of the pseudosections. They were calculated by dividing the pfe by the apparent resistivity and multiplying by 1000. Metal factors serve to enhance those anomalies which have coincident high IP/low resistivity response.

DISCUSSION OF RESULTS:

The results of the survey are presented in standard pseudosection format as figures 3 to 12. The n=1 frequency effects are also presented in contour plan form as figure 13. IP anomalies have been categorized as strong, moderate, and weak on those sections and the plan according to the following criteria:

-  strong IP high: >10 pfe
-  moderate IP high: 6 to 10 pfe
-  weak IP high: 4 to 6 pfe

Anomalies are discussed in this report with respect to the plotted position of the anomaly bars. However, this does not imply a true width to the causative source as the method measures the average of a large volume of material and is limited in its horizontal resolution to the electrode spacing (100 meters in this case).

A strong IP high was defined on the survey from line 4200E (1500N to 1800N) to line 4600E (1300N to 1800N). The anomaly is open to the east and is contained within a larger weak to moderate IP high which continues westward to line 3700E (1600N to 2000N), and which is open to the west. This anomaly strongly suggests the presence of a large disseminated sulphide system.

The weak IP high at the northern end of the survey lines is open to the north and is coincident with relatively high apparent resistivities. This suggests that it is caused by a different compositional unit to the larger and stronger anomaly, which is characterized by low to moderate resistivities.

CONCLUSIONS

The IP survey on the Ron 4 and Du claims detected a strong IP anomaly some 300 to 500 meters in width between lines 4200E to 4600E. The anomaly is open to the east and is part of a larger weak to moderate anomaly which extends westward to line 3700E and which is open to the west. The presence of a large disseminated sulphide system is strongly indicated by these results and further work to define the extent of that system and to determine if economic mineralization is present is recommended.

Respectfully submitted,



Alan Scott, Geophysicist

APPENDIX 1

COST SUMMARY

(Induced Polarization Survey and Linecutting)

1	Contract Geophysics: Phoenix Geophysics Ltd. 2 operators plus equip. Sept 18-27		\$7487.16
2	Contract Linecutting: Roger Volsin 13.7 line kilometers linecutting		6200.00
3	Anaconda Canada Personnel: D. Carr, field asst. Sept. 18 to 27 @175/day B. Marini, field asst. Sept. 18 to 27 @175/day	1750 1750	3500.00
4	Vehicle rental: Suburban Sept 15 - 30		500.00
	Total Expenditures:		\$17687.16
	Total claimed for assessment credits:		\$10200.00

APPENDIX 2

STATEMENT OF QUALIFICATIONS

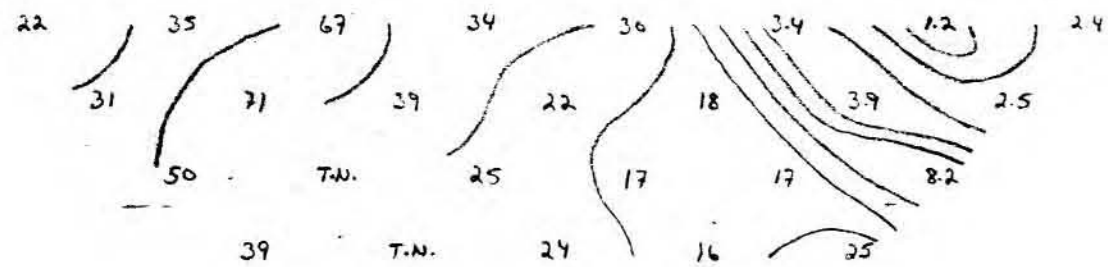
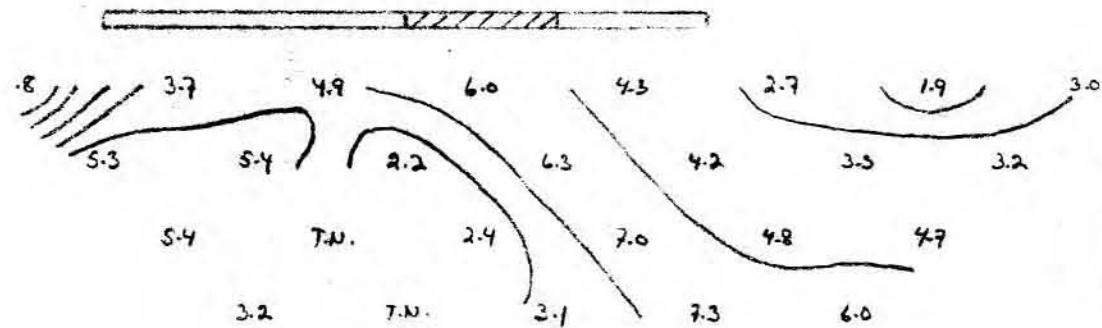
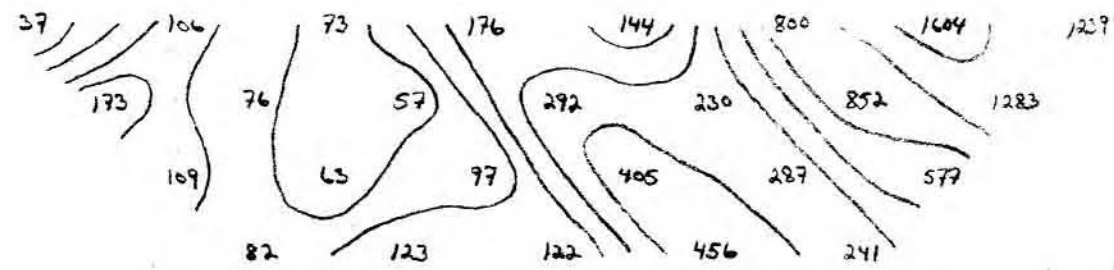
I, Alan R. Scott, of 4013 West 14th Avenue, Vancouver, B.C., am a professional consulting geophysicist and have knowledge of the work performed and costs incurred per this report. I further attest that:

- 1 I graduated from with a B.Sc. (Geophysics) in 1970 and an M.B.A. in 1982 from the University of British Columbia.
- 2 That I am a member of the Society of Exploration Geophysicists.
- 3 That I have been practicing my profession for the past 14 years.



Alan R. Scott,
Geophysicist

14N 15N 16N 17N 18N 19N 20N 21N 22N 23N 24N



ANACONDA CANADA EXPL. LTD.
 RON PROPERTY & PACIFIC RIDGE RES
 I.P.V.I SURVEY - DIPOLE DIPOLE ARRAY
 Line 37E
 Scale 2cm = 100m.
 Freq 58.3 HZ.
 Sept. 84
 D. LABRECQUE - PHOENIX GEOPHYSICS LTD.

Report by:
 Alan Scott
 November, 1984

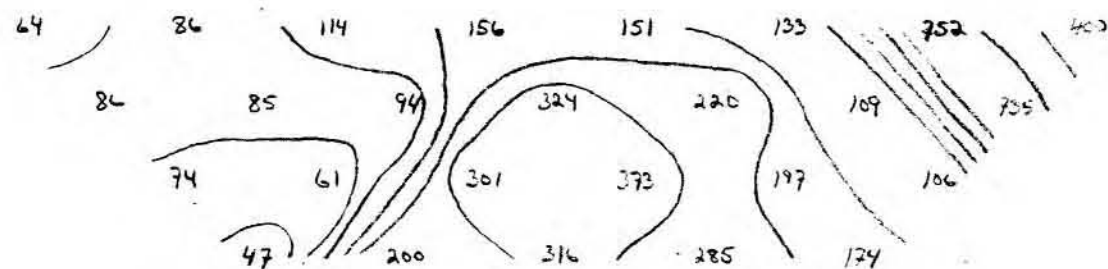
Figure 3

GEOLOGICAL BRANCH
 ASSESSMENT REPORT

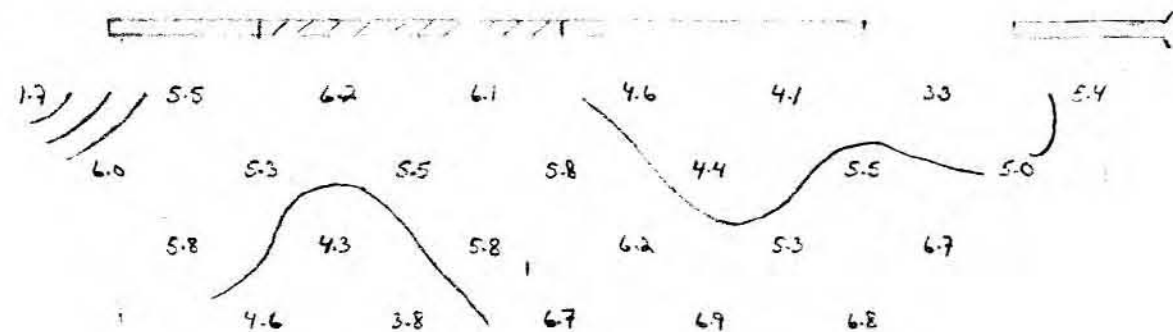
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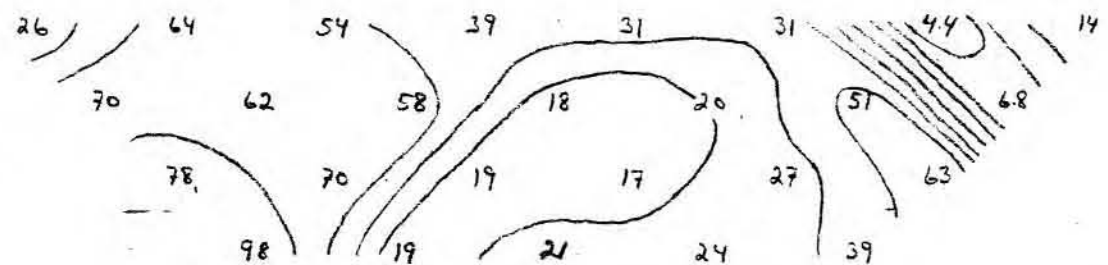
14N 15N 16N 17N 18N 19N 20N 21N 22N 23N 24N



Res. Ω meter



F E.



III. F.

ANACONDA CANADA EXPL. LTD.
 RON PROPERTY OF PACIFIC RIDGE RES.
 I.P.U. 1 SURVEY - DIPOLE DIPOLE ARRAY
 Line 38E
 Scale 2cm = 100m.
 Freq 54.3 Hz.
 Sept. 84
 D. LABRECQUE - PHOENIX GEOPHYSICS LTD.

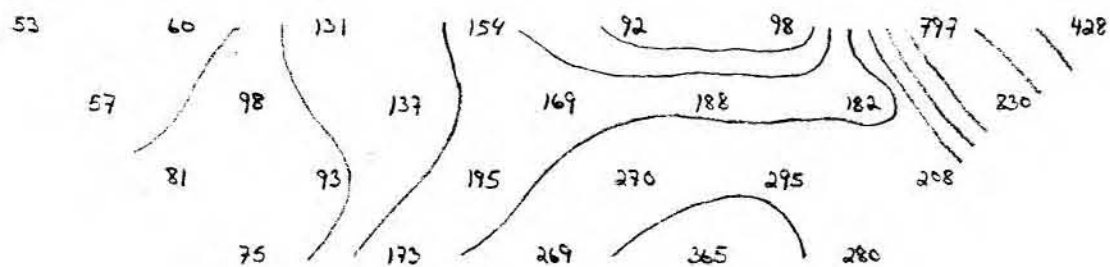
Report by
 Alan Scott
 Novem Dec. 1984

Figure 4

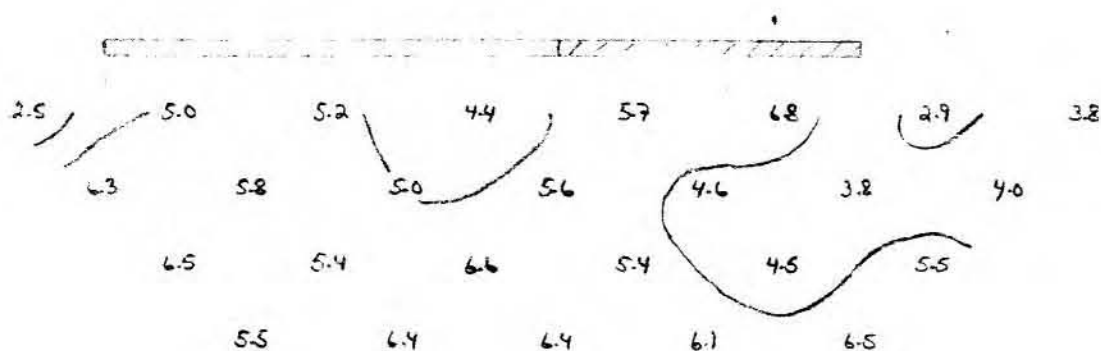
GEOLOGICAL BRANCH
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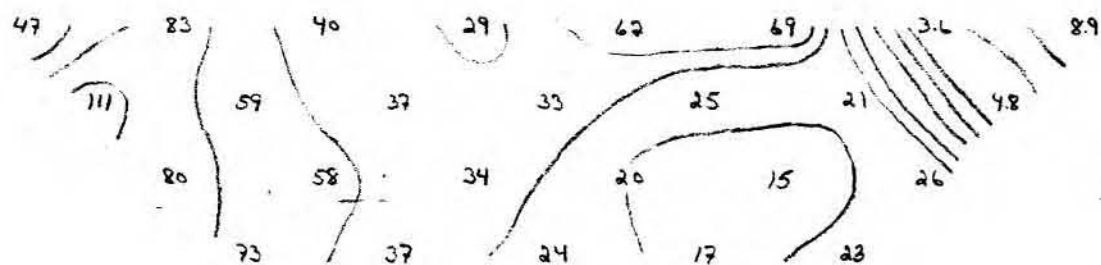
14N 15N 16N 17N 18N 19N 20N 21N 22N 23N 24N



Res. Ω meter



F. E.



M. F.

ANACONDA CANADA EXPL. LTD.
RON PROPERTY OF PACIFIC RIDGE RES.

I.P.U.I SURVEY - DIPOLE DIPOLE ARRAY

Line 39 E

Scale 2cm = 100m.

FREQ 54.3 HZ.

Sept. 84

D. LABRECQUE - PHOENIX GEOPHYSICS LTD.

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Alan Scott

November, 1984

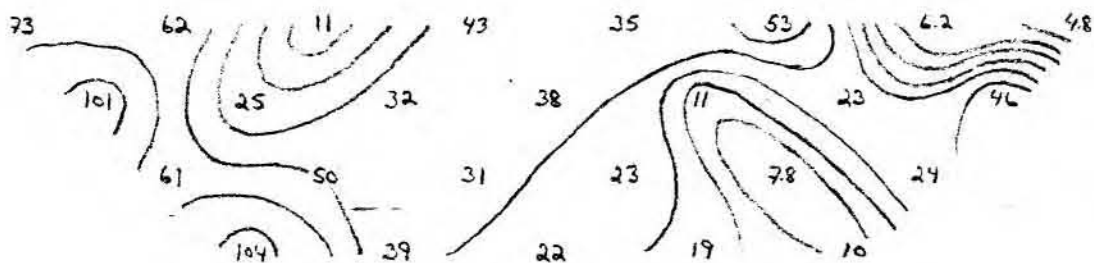
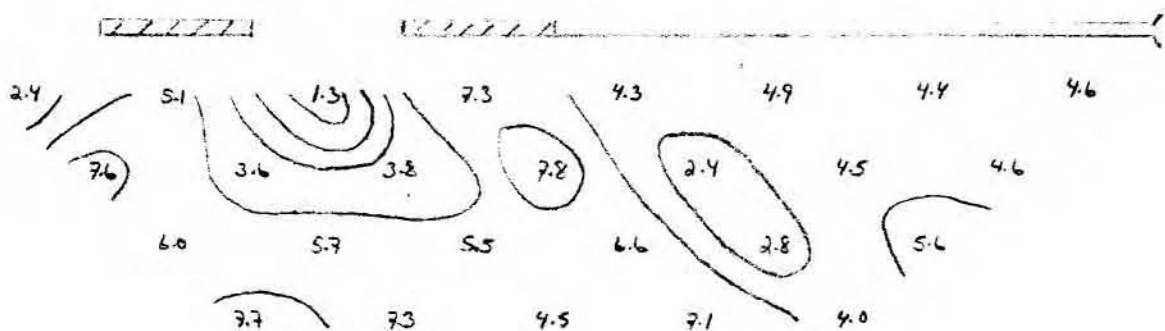
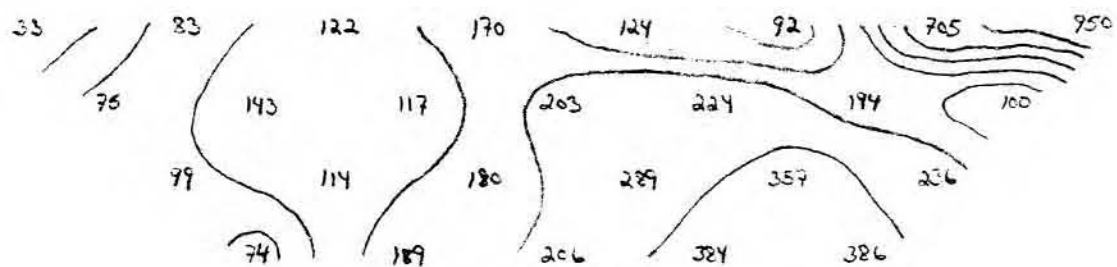
Figure 5

GEOLOGICAL BRANCH
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14N 15N 16N 17N 18N 19N 20N 21N 22N 23N 24N



Res. Ω meter

F. E.

M. F.

ANACONDA CANADA EXPL. LTD.

RON PROPERTY of PACIFIC RIDGE RES.

I.P.U.I SURVEY - DIPOLE DIPOLE ARRAY

LINE 40E

SCALE 2cm. = 100m.

FREQ 51.3 Hz.

Sept. 84

D. LABRECQUE

PHOENIX GEOPHYSICS LTD.

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Alan Scott

November, 1954

Figure 6

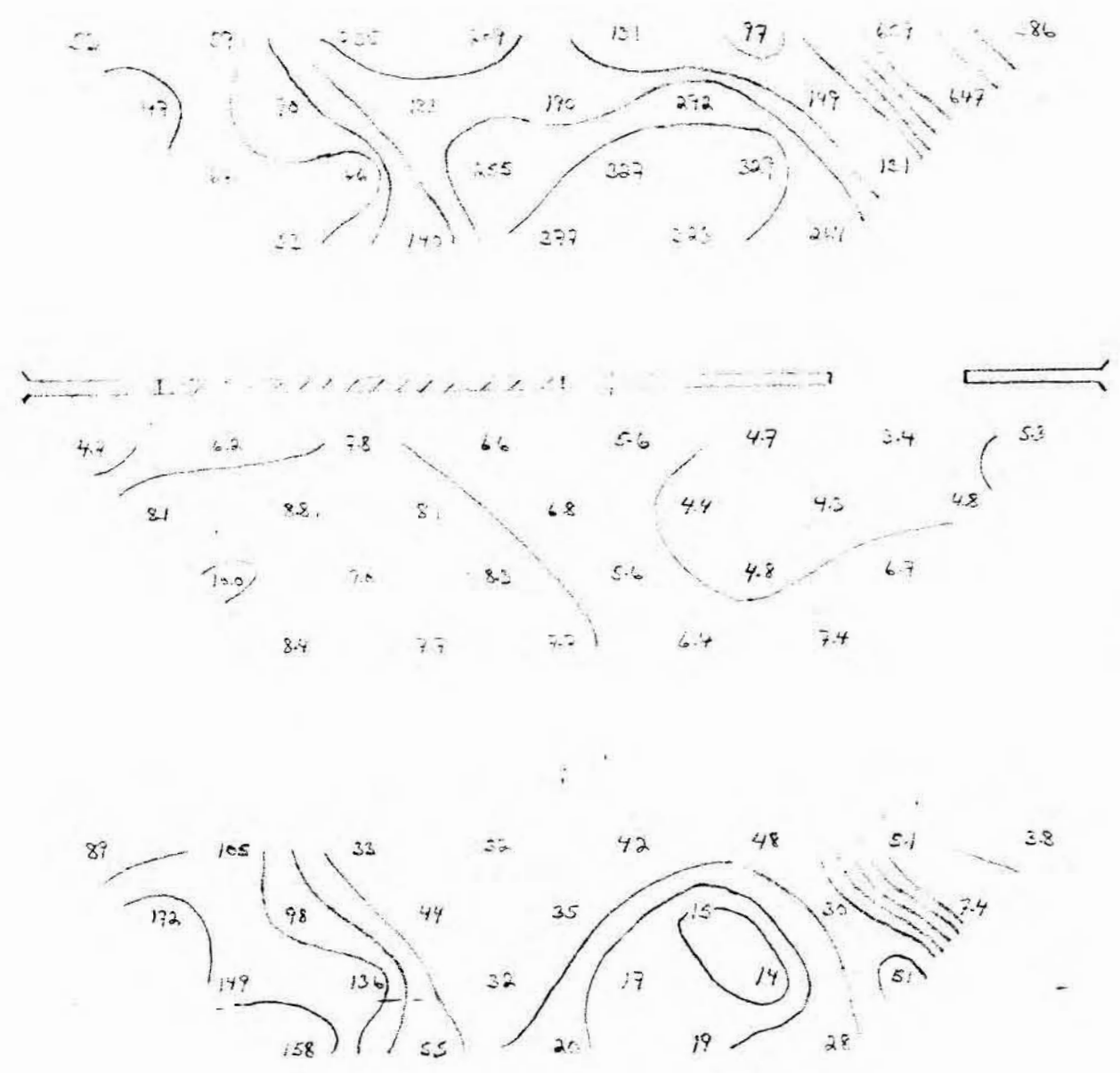
GEOLOGICAL BRANCH
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ANACONDA CANADA EXPL. LTD.
 RON PROPERTY OF PACIFIC RIDGE RES.
 I.P.U.I SURVEY - DIPOLE DIPOLE ARRAY
 LINE 4/E
 SCALE 2000:1000
 FREQ. 98.3 HZ.
 Sept. 84
 D. LABRECQUE PHOENIX GEOPHYSICS LTD

15N 16N 17N 18N 19N 20N 21N 22N 23N 24N



Res. Ω meter

F.E.

M.F.

Report by:
 Alan Scott
 November, 1984

Figure 7

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 ASSESSMENT REPORT

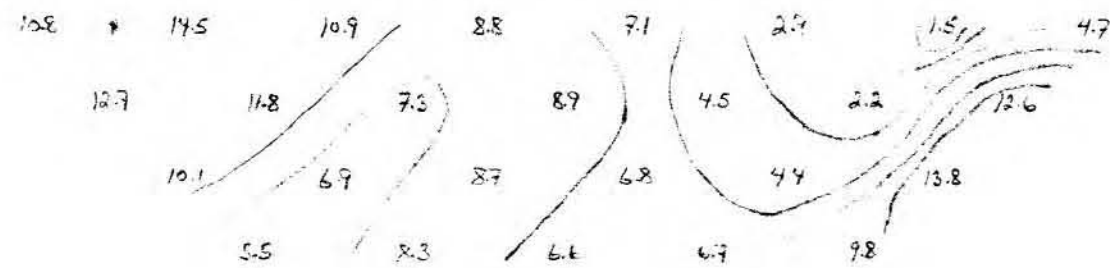
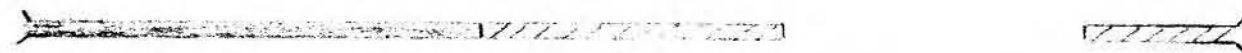
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110 150 190 230 270 310 350 390 430 470 510



Res. Ω meter



F.E.



M.F.

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RON PROPERTY OF PACIFIC RIDGE RES.

I.P.U.I SURVEY - DIPOLE DIPOLE ARRAY

Line 42E

Scale 20m/100m

FO-2 50.5 Hz

Sept 24

D. LACROQUE - PHOENIX GEOPHYSICS LTD.

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Alan Scott

November, 1984

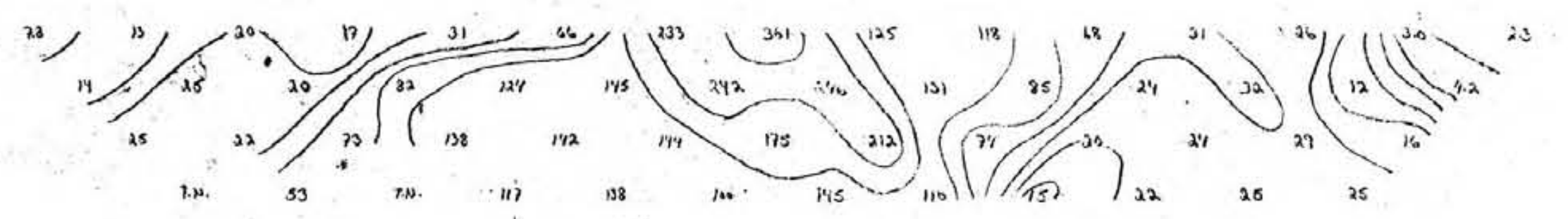
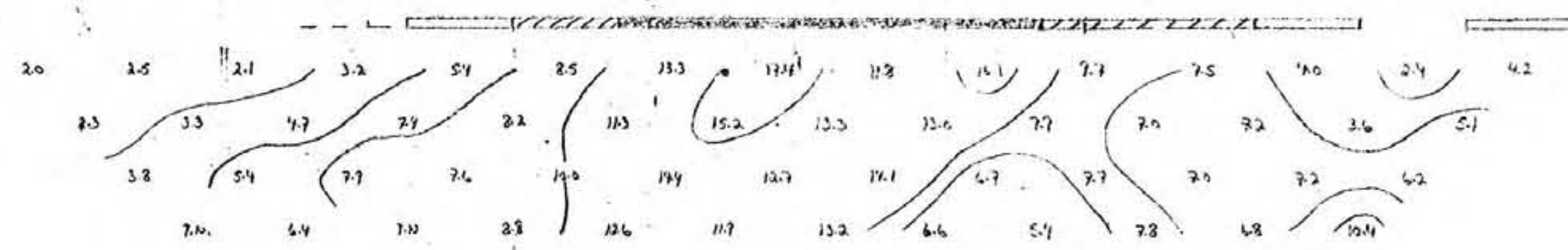
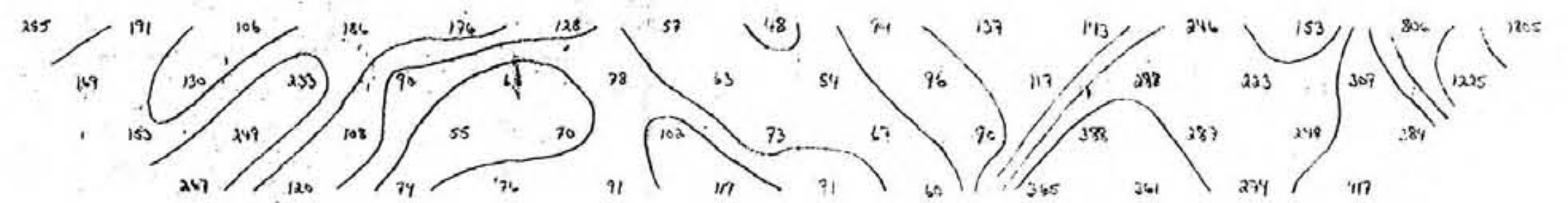
Figure 8

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7N 8N 9N 10N 11N 12N 13N 14N 15N 16N 17N 18N 19N 20N 21N 22N 23N 24N



ANACONDA CANADA EXPLOR LTD.
 RON PROPERTY OF PACIFIC RIDGE RES.
 I.P.U.1 SURVEY - DIPOLE DIPOLE ARRAY
 Line 43 E
 Scale 2cm = 100m.
 Freq 55.3 Hz.
 Sept. 84
 D. LABRECQUE - PHOENIX GEOPHYSICS LTD.

Report by:
 Alan Scott
 November, 1984

Figure 9

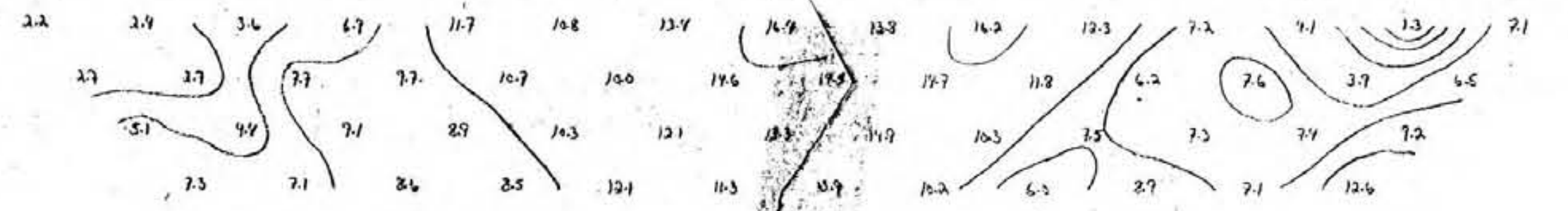
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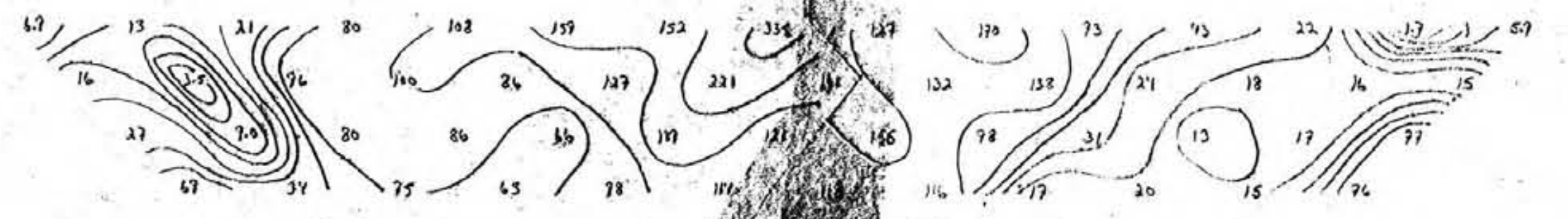
7N 8N 9N 10N 11N 12N 13N 14N 15N 16N 17N 18N 19N 20N 21N 22N 23N 24N



Res. 1 meter



F. E.



M. F.

ANACONDA CANADA EXPL. LTD.
 RON PROPERTY OF PACIFIC RIDGE RES.
 I.P.U.Z SURVEY - DIPOLE DIPOLE ARRAY
 Line 44E
 Scale 2cm = 100m.
 FREQ 51.3 Hz.
 SEPT. 84
 D. LABRECQUE - PHOENIX GEOPHYSICS LTD

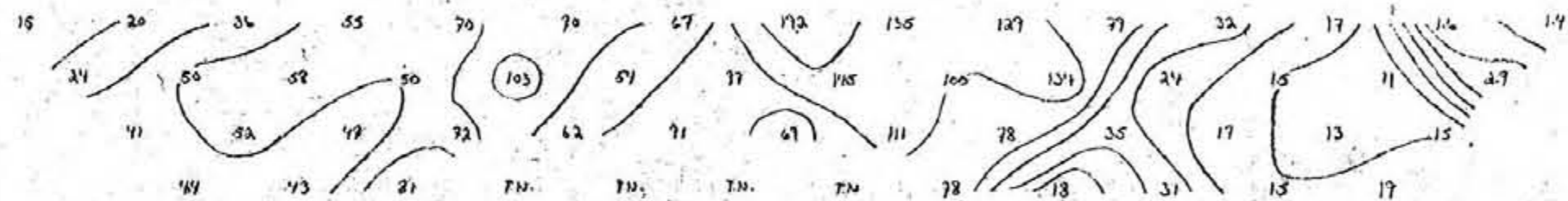
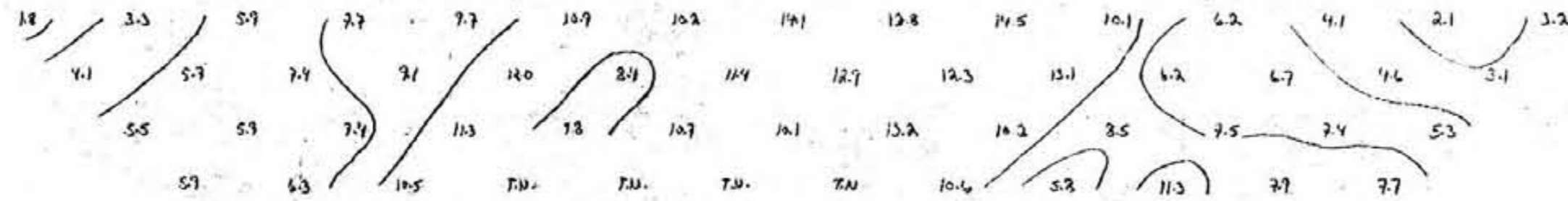
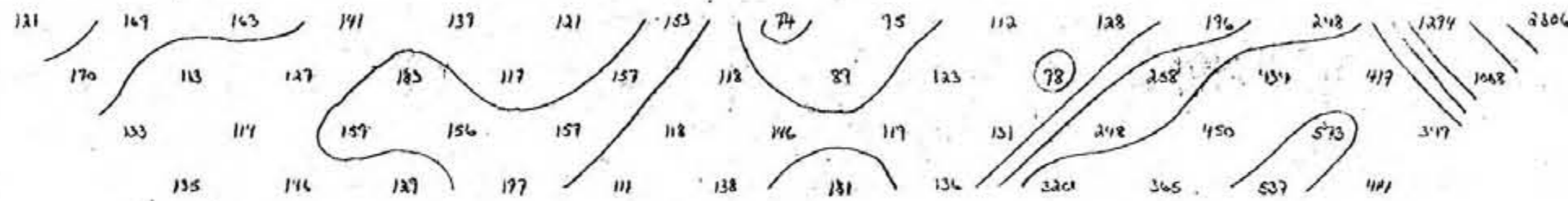
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Figure 10

GEOLOGICAL BRANCH ASSESSMENT REPORT

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7N 8N 9N 10N 11N 12N 13N 14N 15N 16N 17N 18N 19N 20N 21N 22N 23N 24N



ANACONDA CANADA EXPL. LTD.
 RON PROPERTY & PACIFIC RIDGE RES.
 I.P.U. 1 SURVEY - DIPOLE DIPOLE SURVEY
 Line 45E
 SCALE 2cm. = 100M.
 FREQ. 55.5 KC.
 Sept. 81
 D. LABRECQUE - PHOENIX GEOPHYSICS LTD.

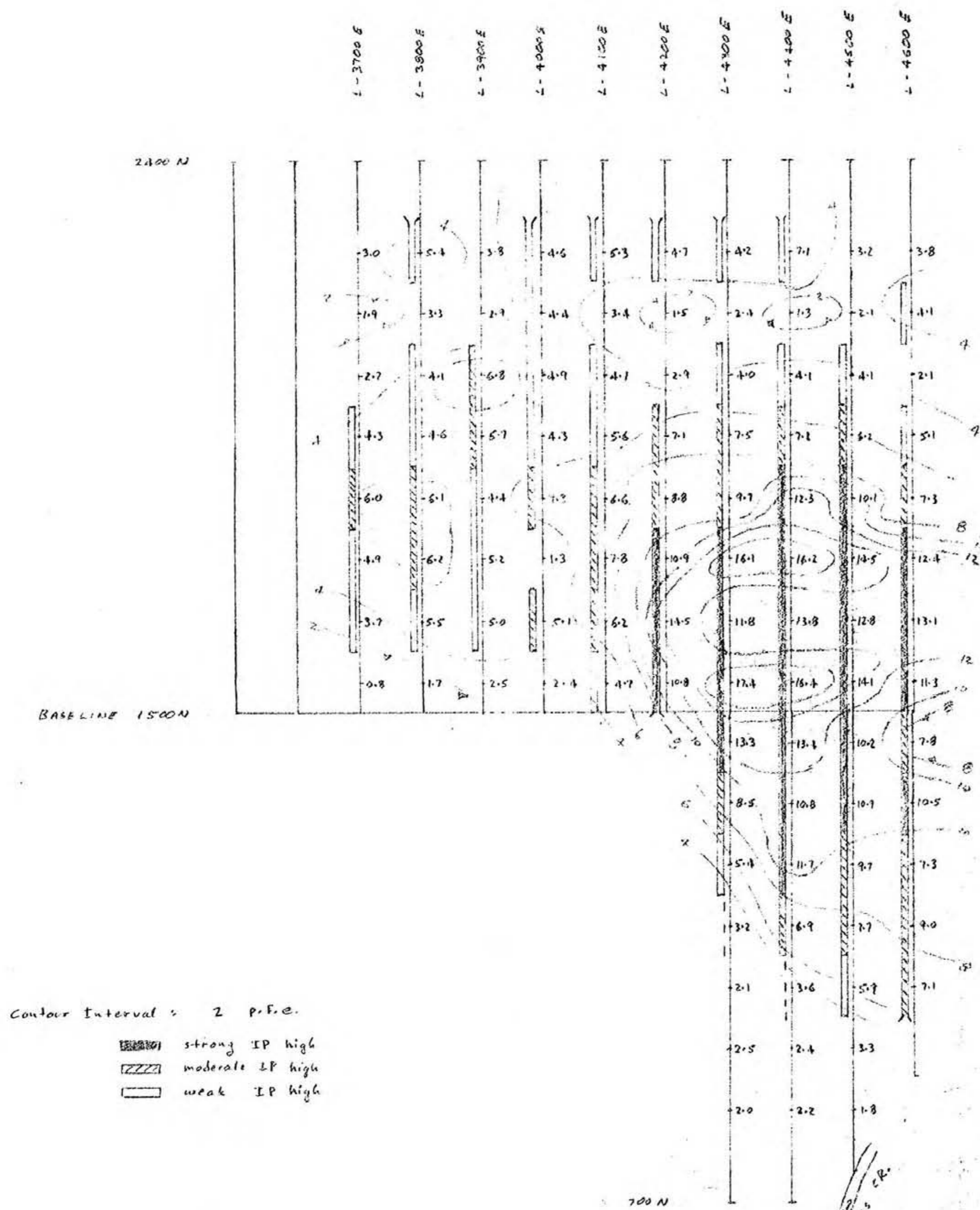
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Figure 11

GEOLOGICAL BRANCH
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GEOLOGICAL BRANCH
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PACIFIC RIDGE RESOURCES CORP.
ROW 4 and DU CLAIMS
(KEMESS CREEK PROPERTY)

IPV-1 Survey dipole dipole array
Percent Frequency Effect Contour Plan
n = 1 a = 100 meters
Freq. 5 and 13 Hz

Survey by: Phoenix Geophysics Ltd
September, 1984

Report by: Allan Scott
November, 1984

Scale: 2 cm = 100 m

0 100 200
meters

Figure 13