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Sheep Mountain, Yavapai Co.
T8N, R1W, Sec 15

Microfiche Summary

Microfiche 12 of 13

Phelps-Dodge Geophysical Plates
Induced Polarization and Resistively Traverse Line 2750E
Induced Polarization and Resistively Traverse Line 4500E
Induced Polarization and Resistively Traverse Line 5900E Scale
Induced Polarization and Resistively Traverse Line 630E
Induced Polarization and Resistively Traverse Line 600S
Induced Polarization and Resistively Traverse Line 1800N

Sheep Mountain, Yavapai Microfiche Sheets - Printed 11/2006

Sheet No. 12 of 13

Row / Column	1	2	3	4	5	6	7	8	9	10	11	12
1 FIG 5	1-1 Phelps-	1-2 Dodge	1-3 Geophysical	1-4	1-5 Research	1-6 Induced Line 2750E	1-7 Polarization and	1-8	1-9 Resistivity	1-10 Traverse	1-11	1-12
2 FIG. 6	2-1 Phelps-	2-2 Dodge	2-3 Geophysical	2-4	2-5 Research	2-6 Induced Line 4500E	2-7 Polarization and	2-8	2-9 Resistivity	2-10 Traverse	2-11	2-12
3 FIG 7	3-1 Phelps-	3-2 Dodge	3-3 Geophysical	3-4 Research	3-5	3-6 Induced Line 5900E	3- Polarization and	3-8	3-9 Resistivity	3-10 Traverse	3-11	3-12
4 FIG 8	4-1 Phelps-	4-2 Dodge	4-3 Geophysical	4-4 Research	4-5	4-6 Induced Line 630 E	4-7 Polarization	4-8 Resistivity	4-9	4-10 Traverse	4-11	4-12
5 FIG 9	5-1 Phelps-	5-2 Dodge	5-3 Geophysical	5-4 Research	5-5	5-6 Induced Line 6000S	5-7 Polarization	5-8 Restivity	5-9 Traverse	5-10	5-11	5-12

Sheet No. 12 of 13

Row / Column	1	2	3	4	5	6	7	8	9	10	11	12
1 FIG. 10	1-1 Phelps-	1-2 Dodge	1-3 Geophysical	1-4	1-5 Research	1-6 Induced Line 1800N	1-7 Polarization	1-8 Restivity	1-9 Transverse	1-10	1-11	1-12
	2-1	2-2	2-3	2-4	2-5	2-6	2-7	2-8	2-9	2-10	2-11	2-12
3	3-1	3-2	3-3	3-4	3-5	3-6	3-	3-8	3-9	3-10	3-11	3-12
4	4-1	4-2	4-3	4-4	4-5	4-6	4-7	4-8	4-9	4-10	4-11	4-12
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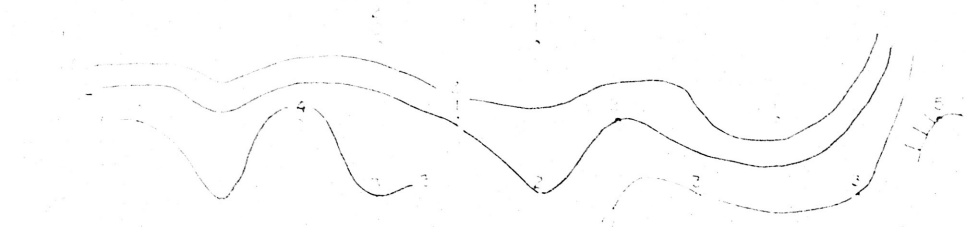

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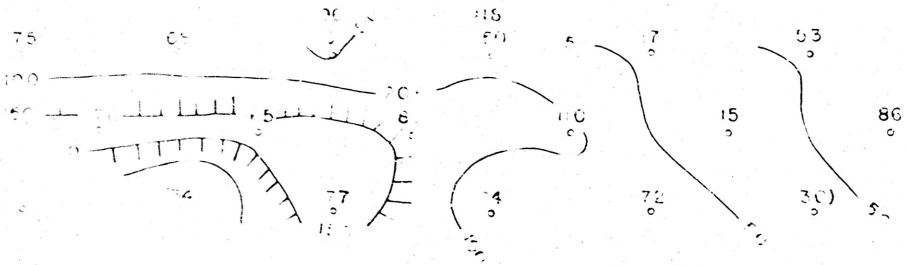
Metal Factor



PHELPS-DODGE CORPORATION

GEOPHYSICAL RESEARCH and EXPLORATION DEPARTMENT

INDUCED POLARIZATION and RESISTIVITY TRAVERSE

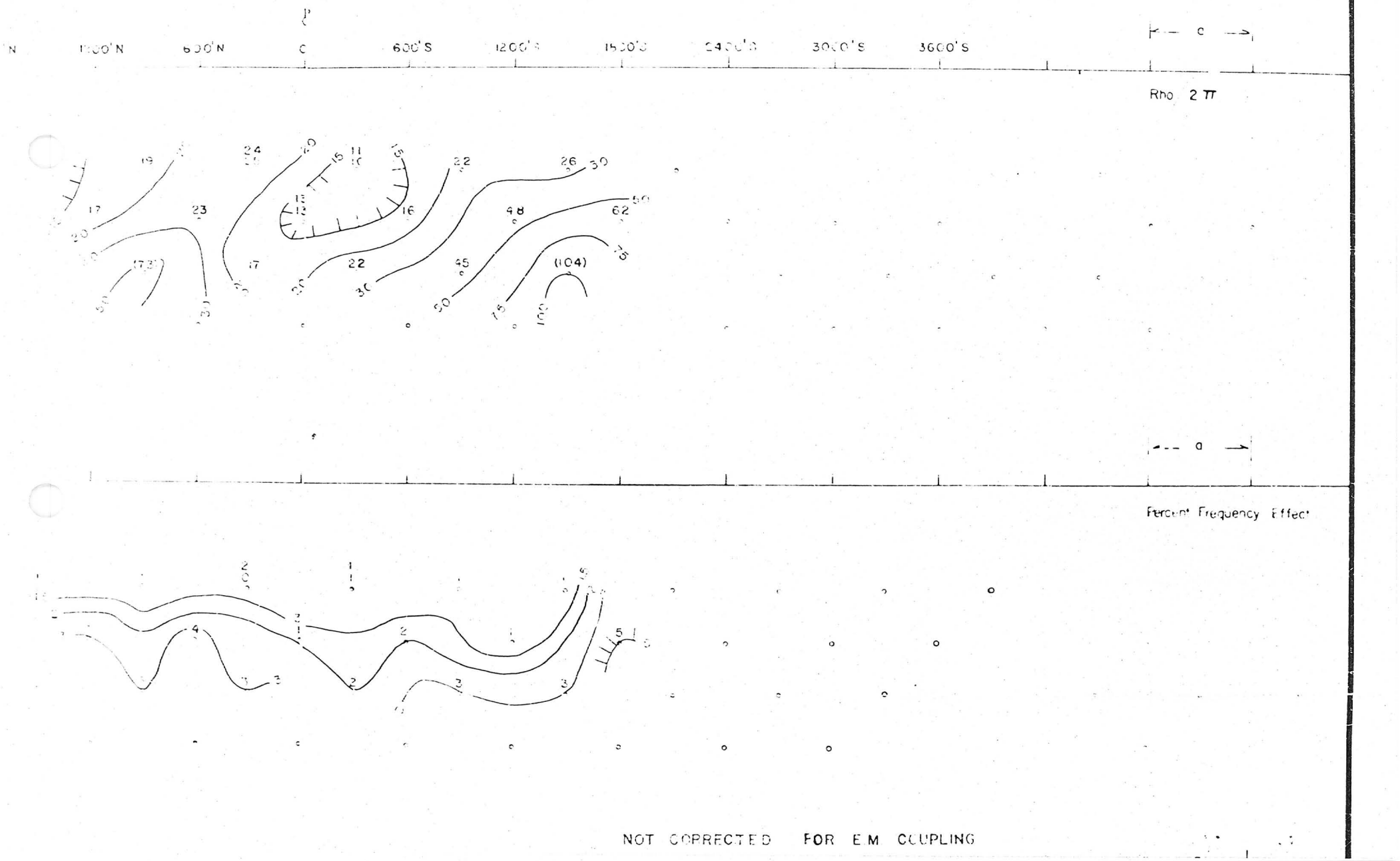
PROJECT: SHEEP MOUNTAIN LINE: 2750E

SCALE: c = 600' DATE: JUNE, 1963

Fig 5

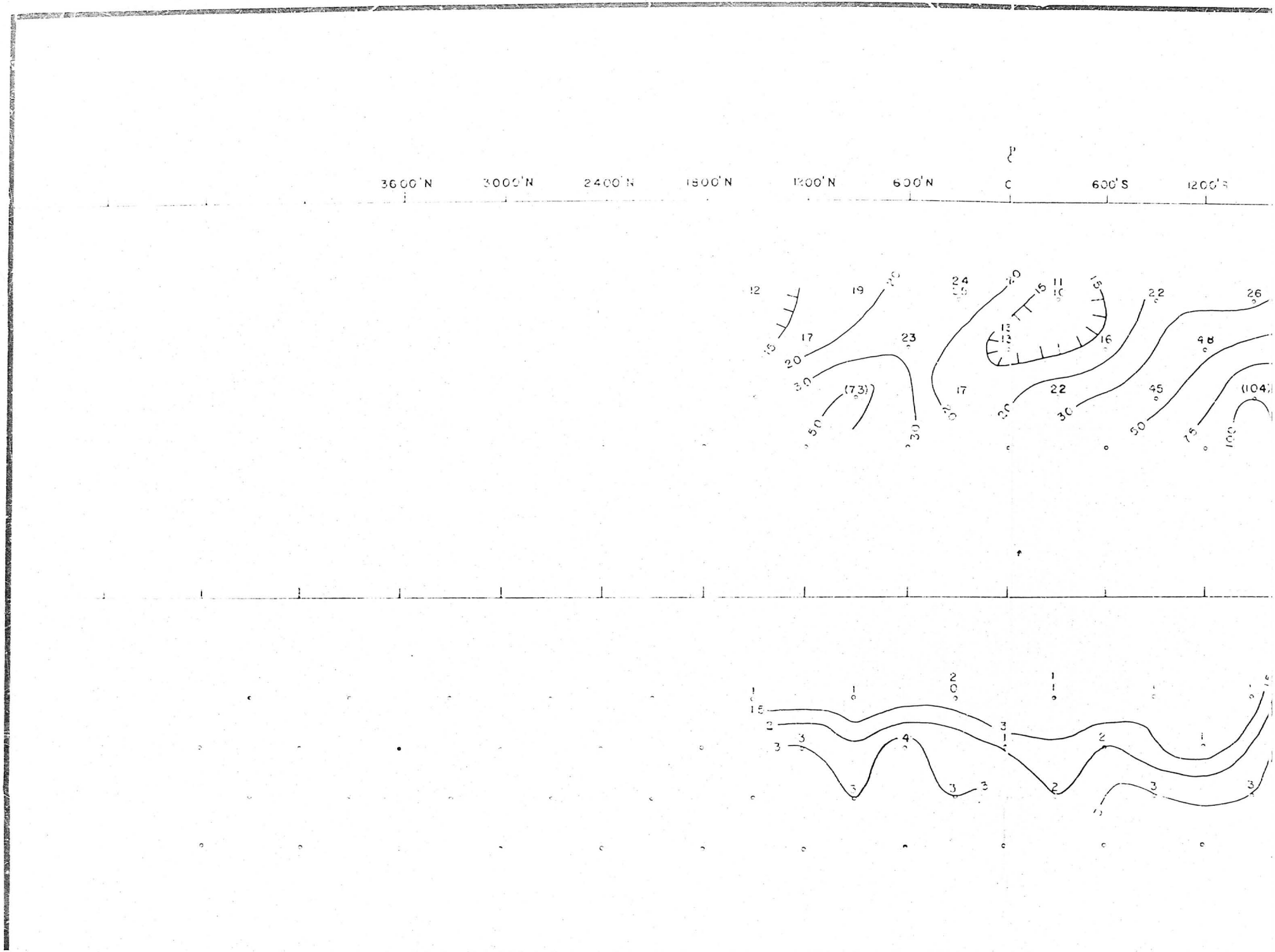
S.E. Fig 5

N.E. Fig 5



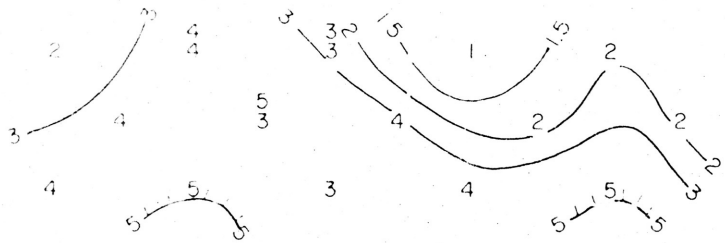
NOT CORRECTED FOR E.M COUPLING

N.W. Fig 5

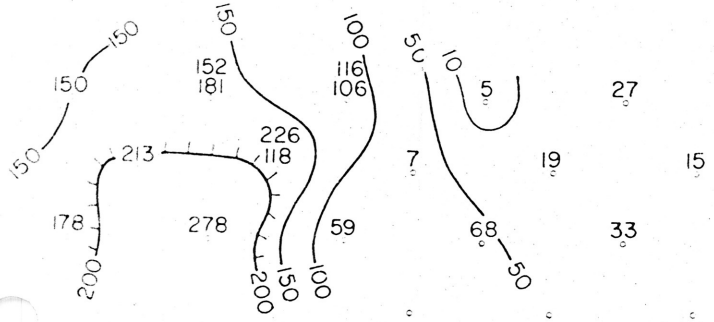


S.W. Fig 5

Percent Frequency Effect
(PFE)



Metal Conduction Factor
(MCF)



WESTERN EXPLORATION OFFICE PHELPS DODGE CORPORATION

INDUCED POLARIZATION and RESISTIVITY SECTION

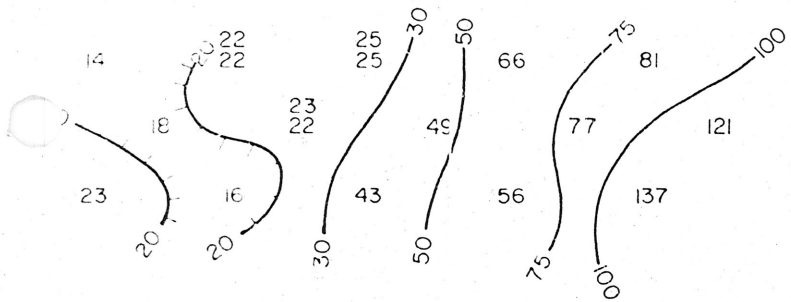
SHEEP MOUNTAIN

SCALE: a= 1200'	FREQUENCIES: f1=01 c/s f2= c/s		Revised
DATE:	Contour Interval		
BY	Sheet 6 of	File:	LINE: 4500 E

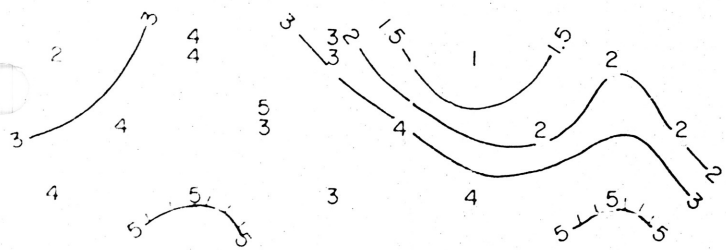
S.E. Line 4500 E

N.E. Line 4500 E

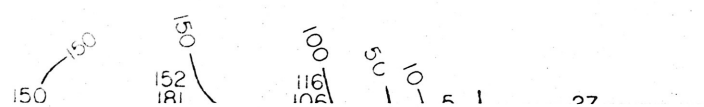
1500 N 300 N 900 S 2100 S 3300 S 4500 S 5700 S



Apparent Resistivity
($\rho/2\pi$)

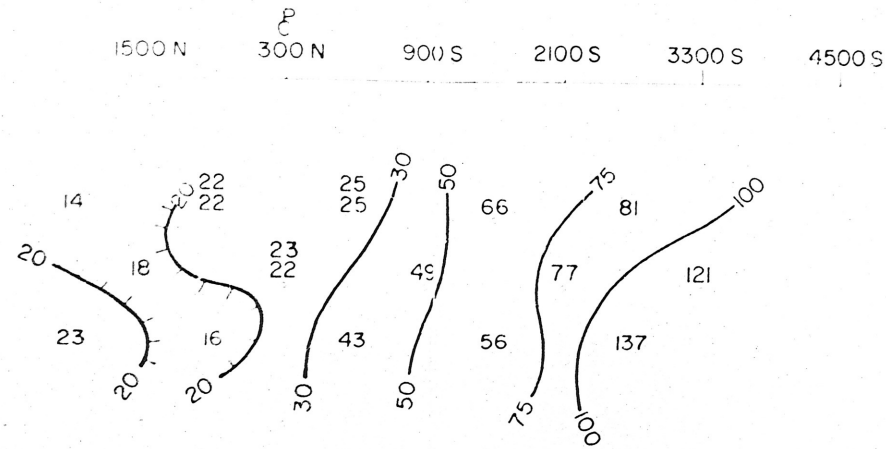


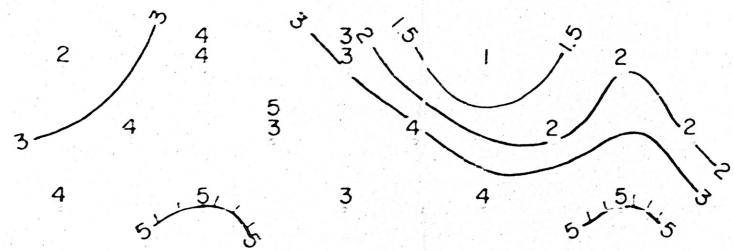
Percent Frequency Effect
(PFE)

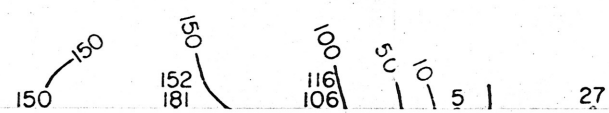


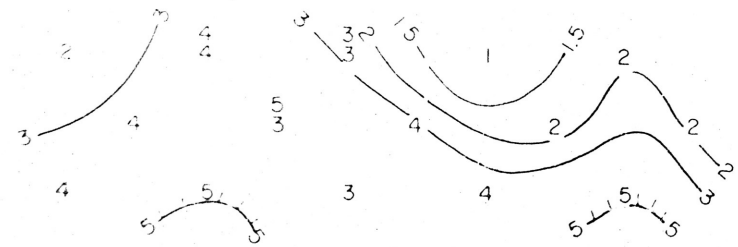
Metal Conduction Factor
(MCF)

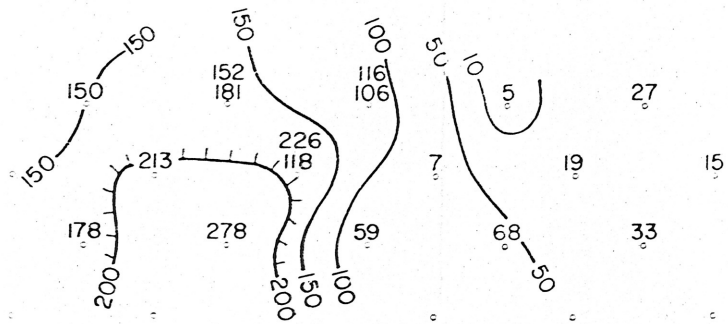
N.W. Line 4500E

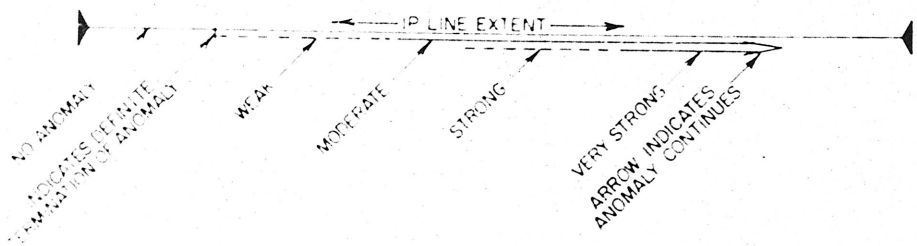




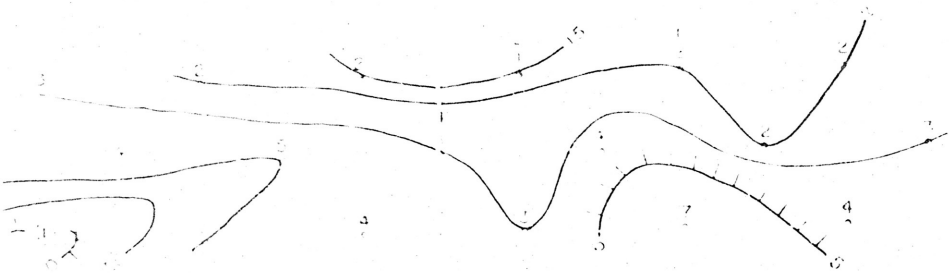








SW Line 4500E



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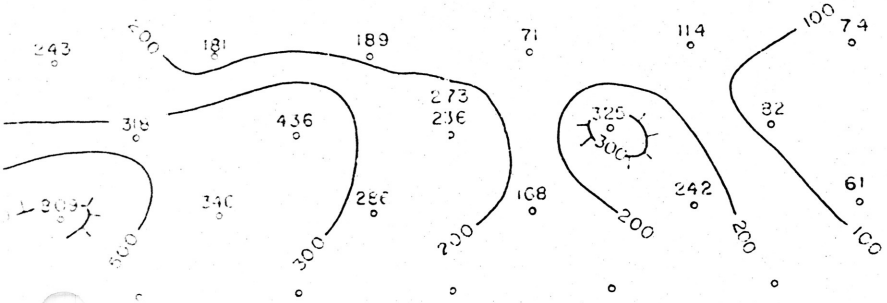
0

Metal Factor



PHELPS-DODGE CORPORATION

GEOPHYSICAL RESEARCH and EXPLORATION DEPARTMENT

INDUCED POLARIZATION and RESISTIVITY TRAVERSE

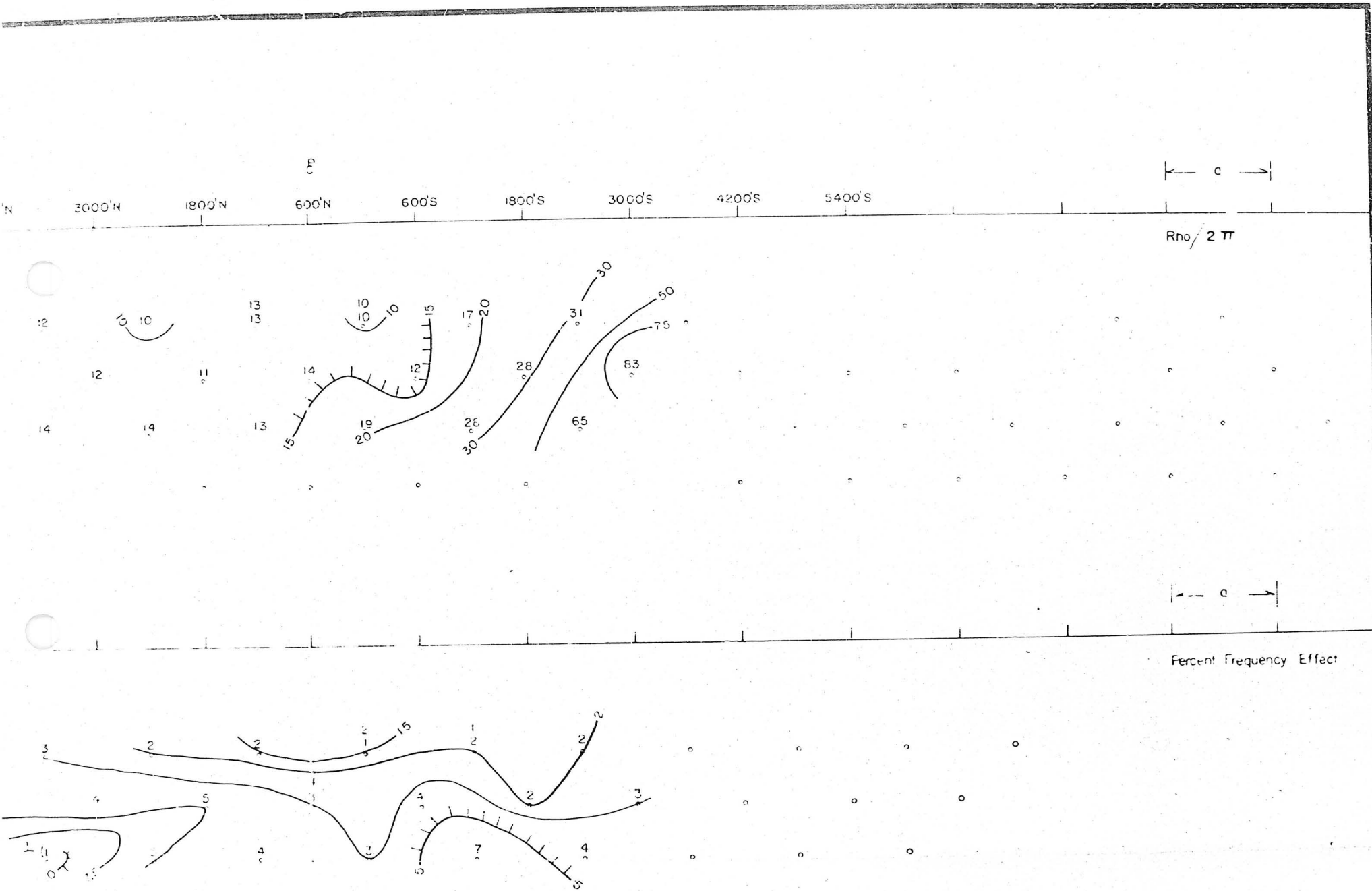
PROJECT: SHEEP MOUNTAIN LINE: 5900 E

SCALE: c = 1200' DATE: JUNE, 1963

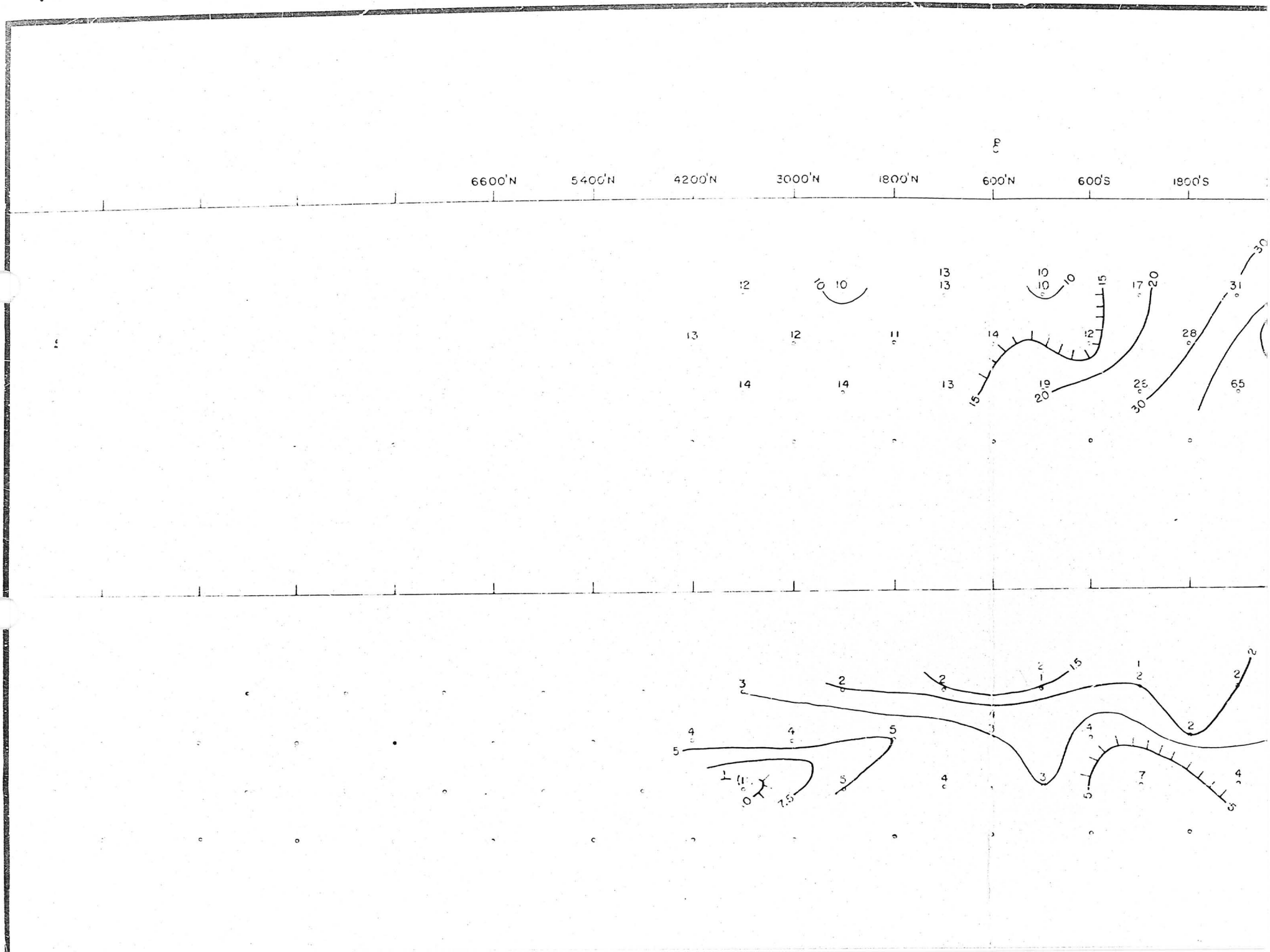
Fig 7

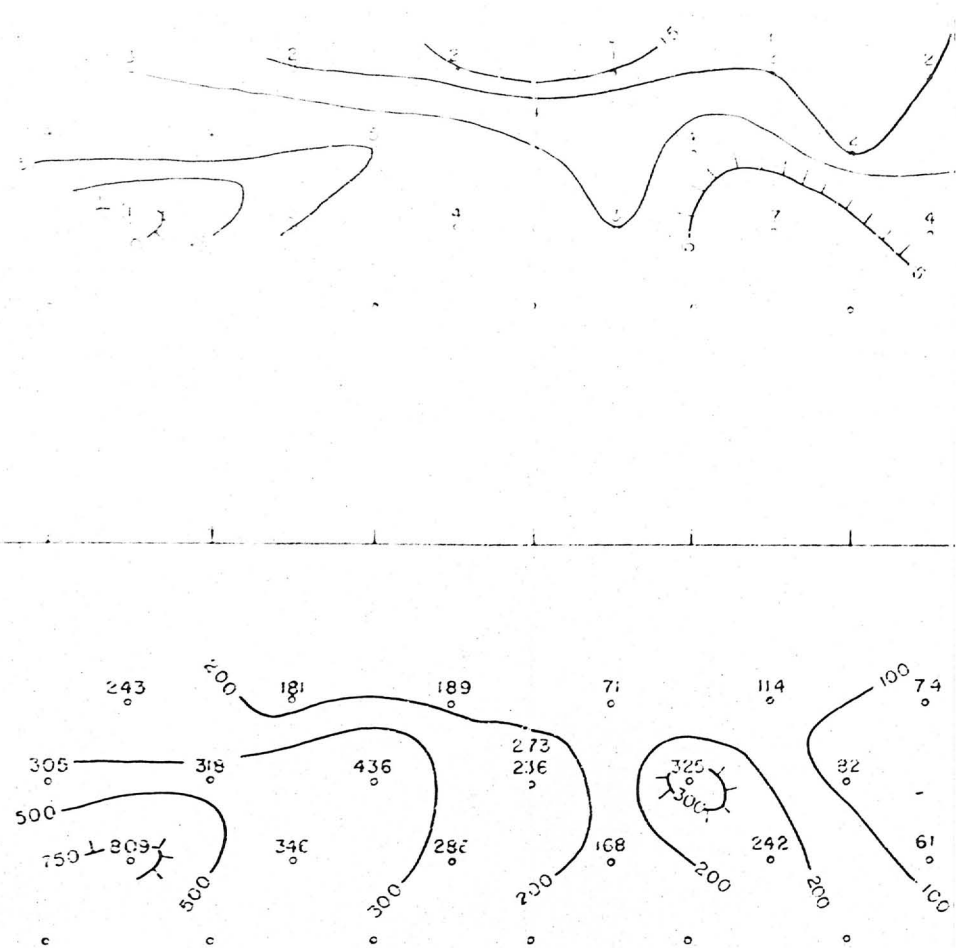
S.E. Fig 7

NE Fig-7


3000'N
1800'N
600'N
600'S
1800'S
3000'S
4200'S
5400'S
a
Rho/ 2 π
a
Percent Frequency Effect

N.W. Fig 7

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200
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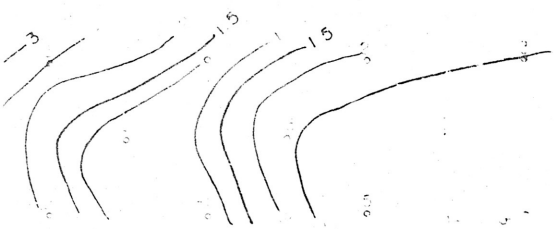
189
71
114
100
74
305
318
436
273
236
325
300
82
500
750
809
340
282
168
242
200
61
100

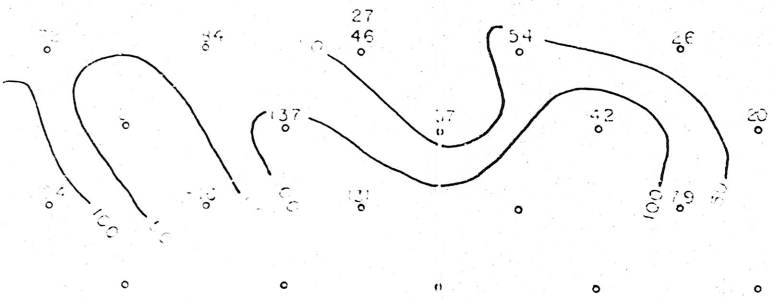
S.W. Fig 7



NOT CORRECTED FOR E.M. COUPLING

a

Metal Factor



PHELPS-DODGE CORPORATION

GEOPHYSICAL RESEARCH and EXPLORATION DEPARTMENT

INDUCED POLARIZATION and RESISTIVITY TRAVERSE

PROJECT: SHEEP MOUNTAIN

LINE: 630E

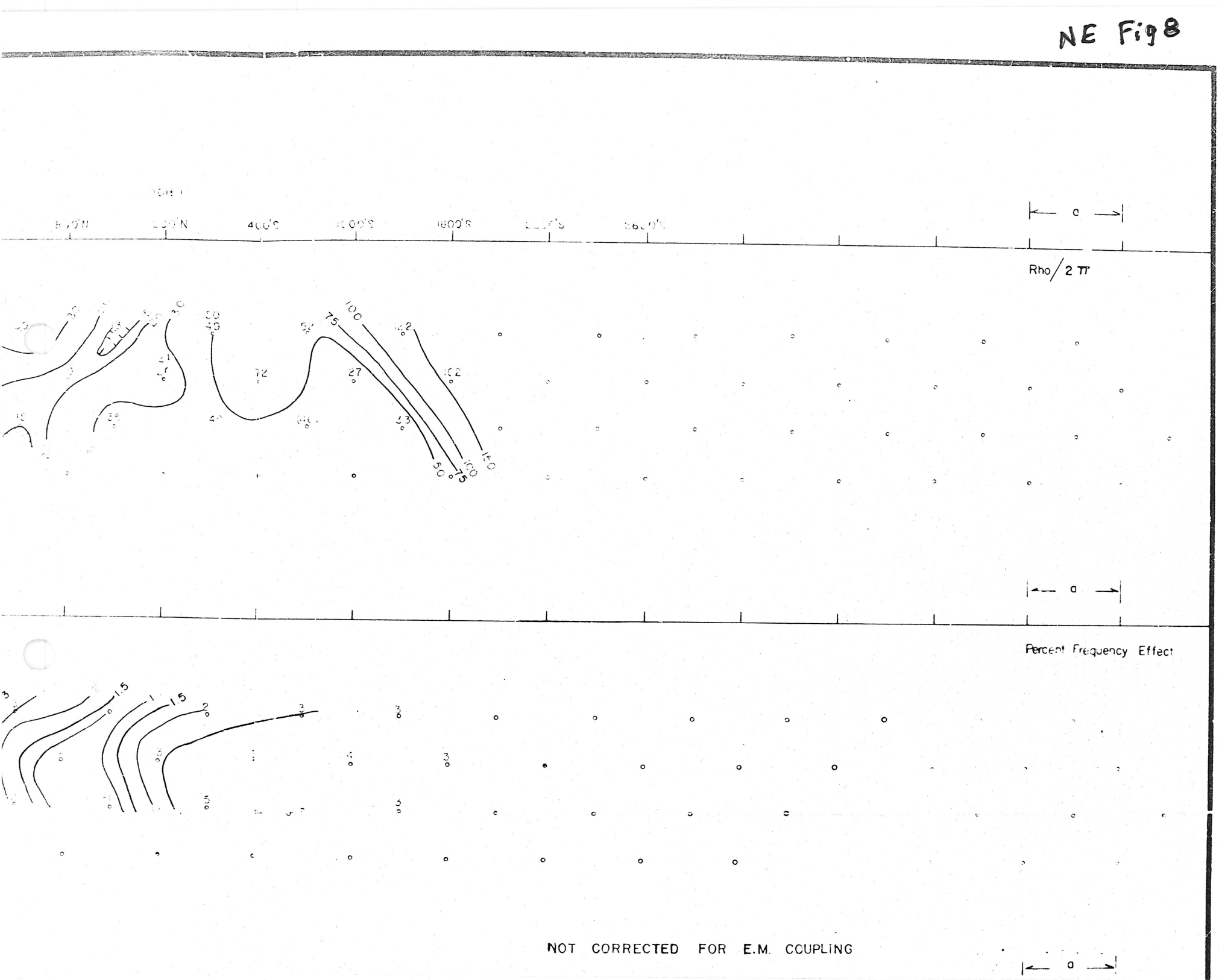
SCALE: a = 600'

DATE: JUNE, 1963

Fig. 8

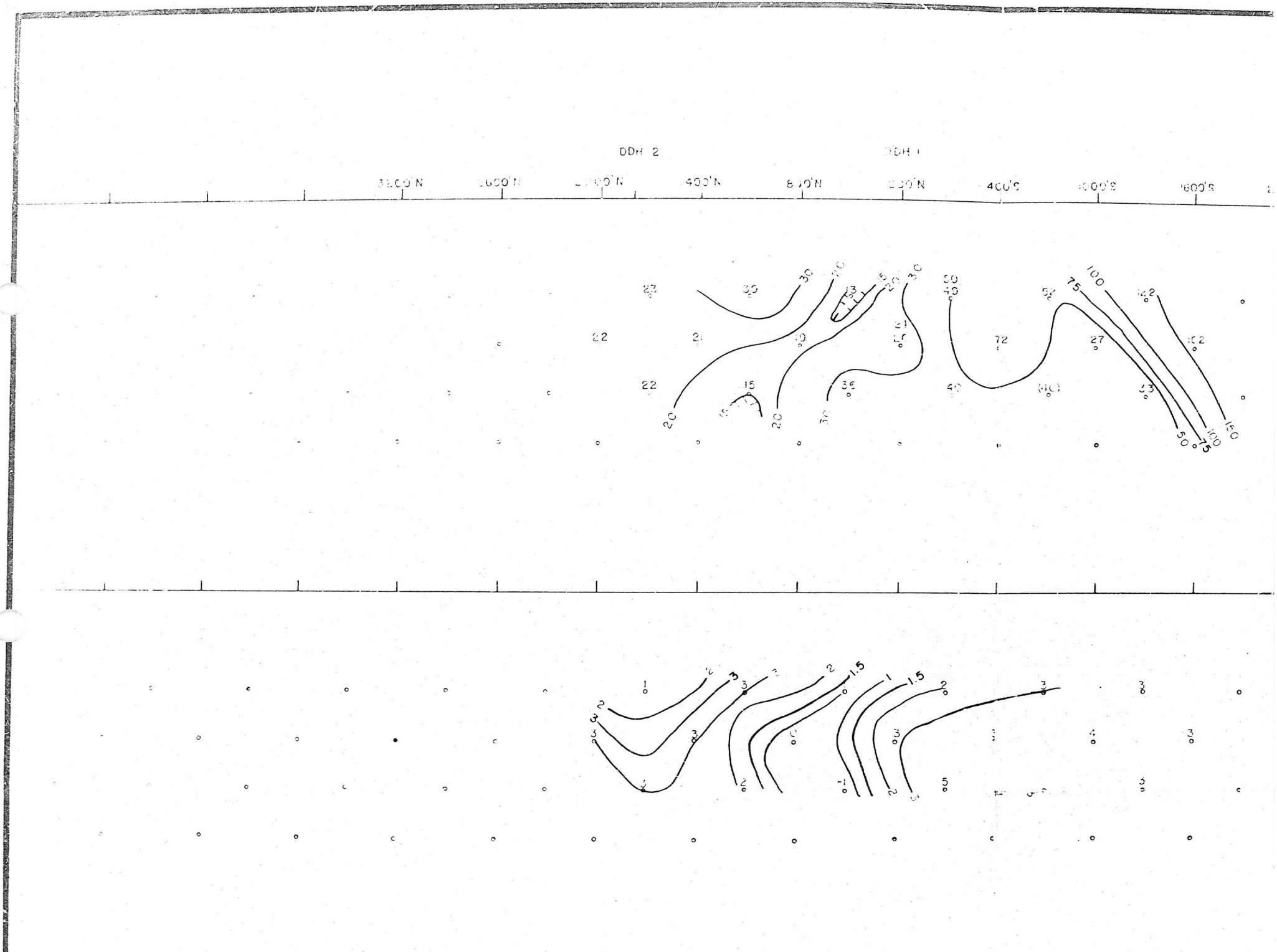
S.E. Fig 8

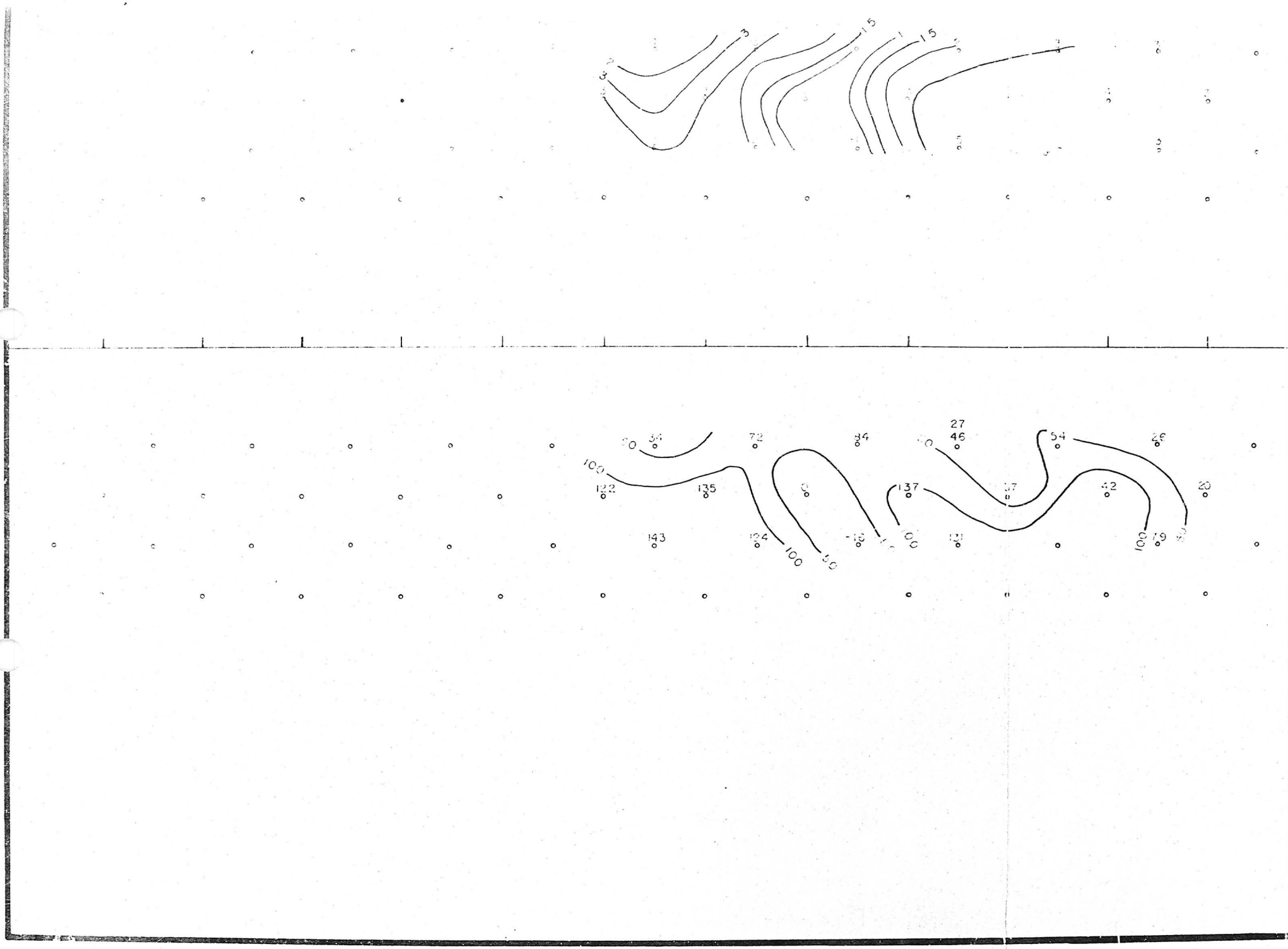
NE Fig 8



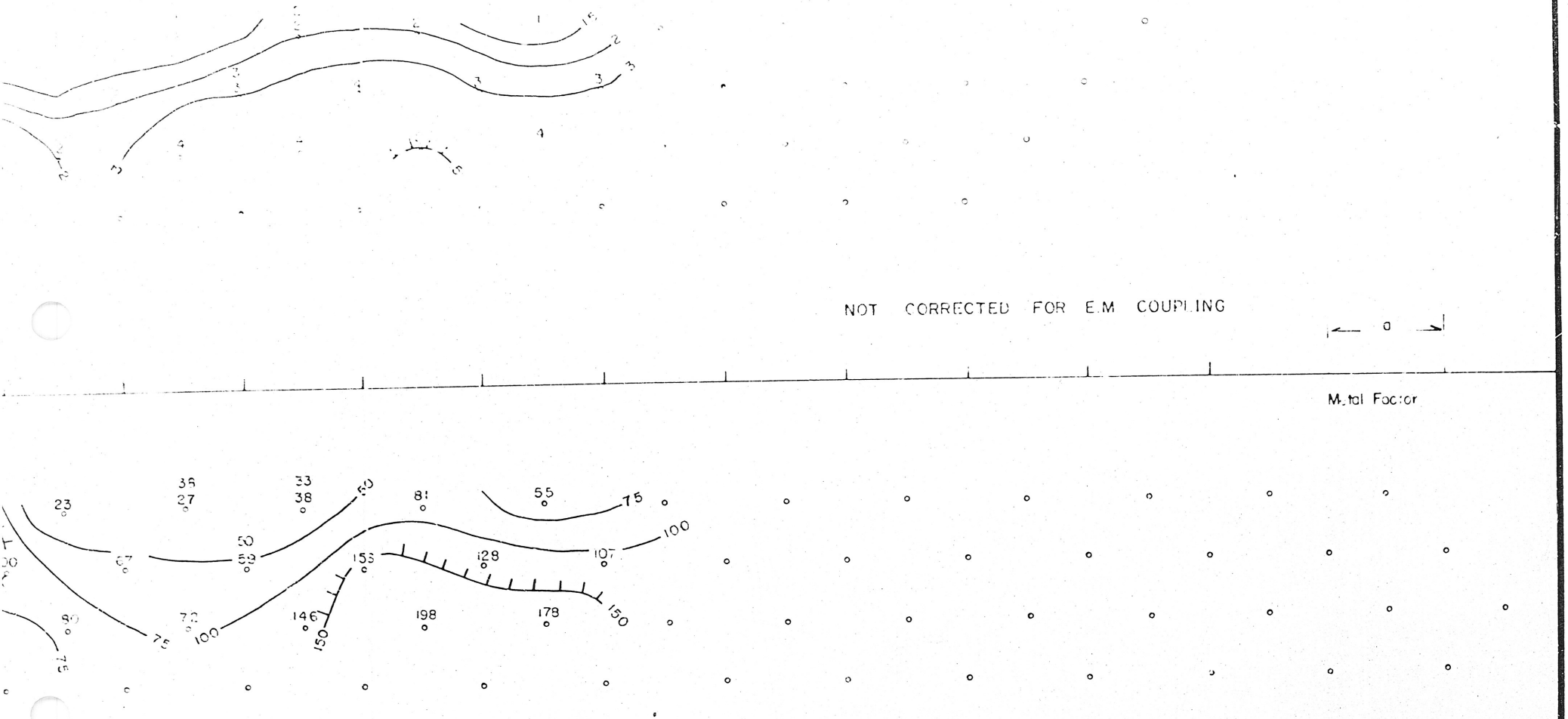
NOT CORRECTED FOR E.M. COUPLING

N.W. Fig 8


DDH 2
DDH 1
3600'N
3400'N
3200'N
3000'N
2800'N
2600'N
2400'N
2200'N
2000'S
2200'S
2400'S
2600'S



SW Fig 8



PHELPS-DODGE CORPORATION

GEOPHYSICAL RESEARCH and EXPLORATION DEPARTMENT

INDUCED POLARIZATION and RESISTIVITY TRAVERSE

PROJECT: SHEEP MOUNTAIN

LINE: 600S

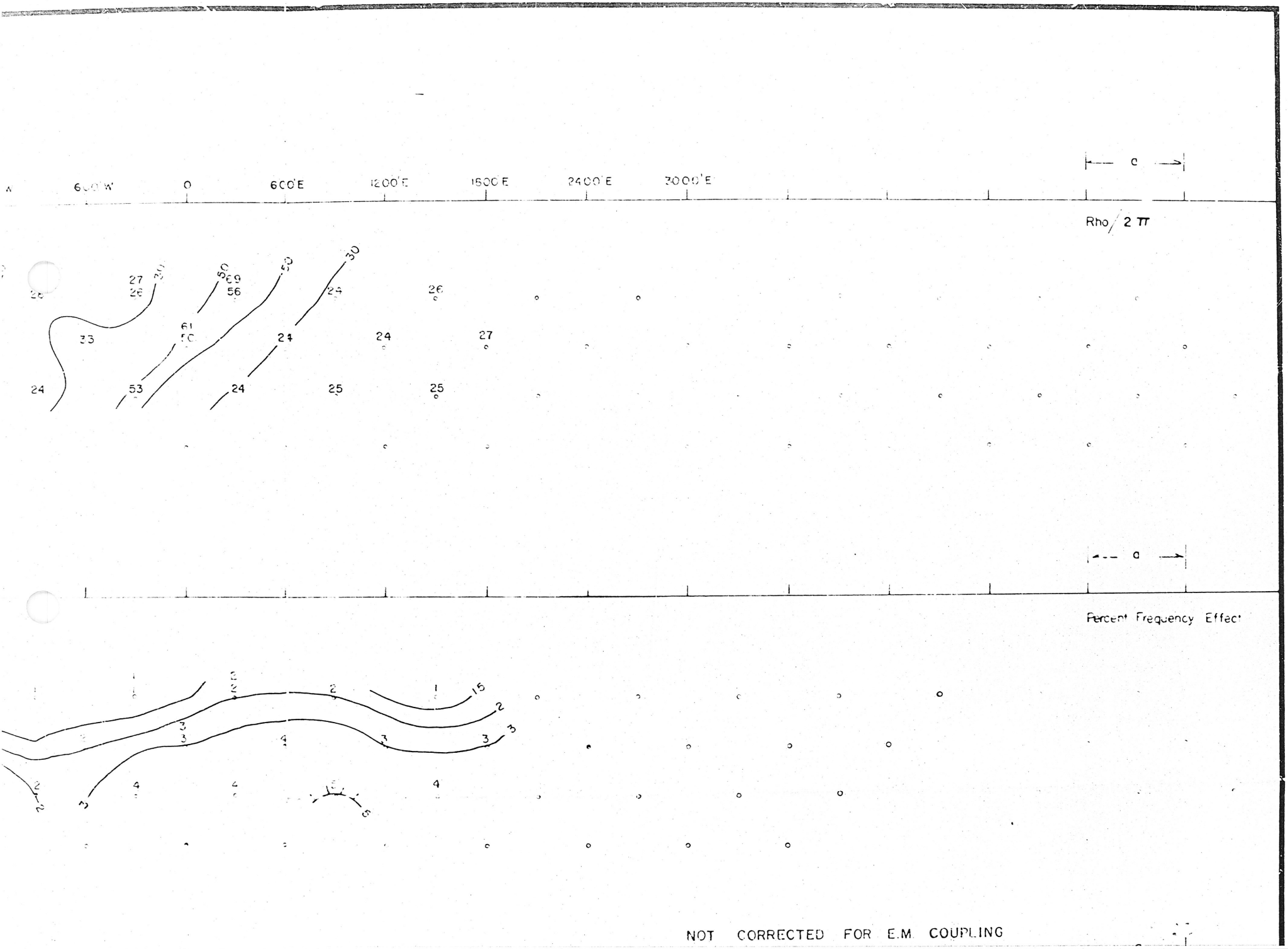
SCALE: a = 600'

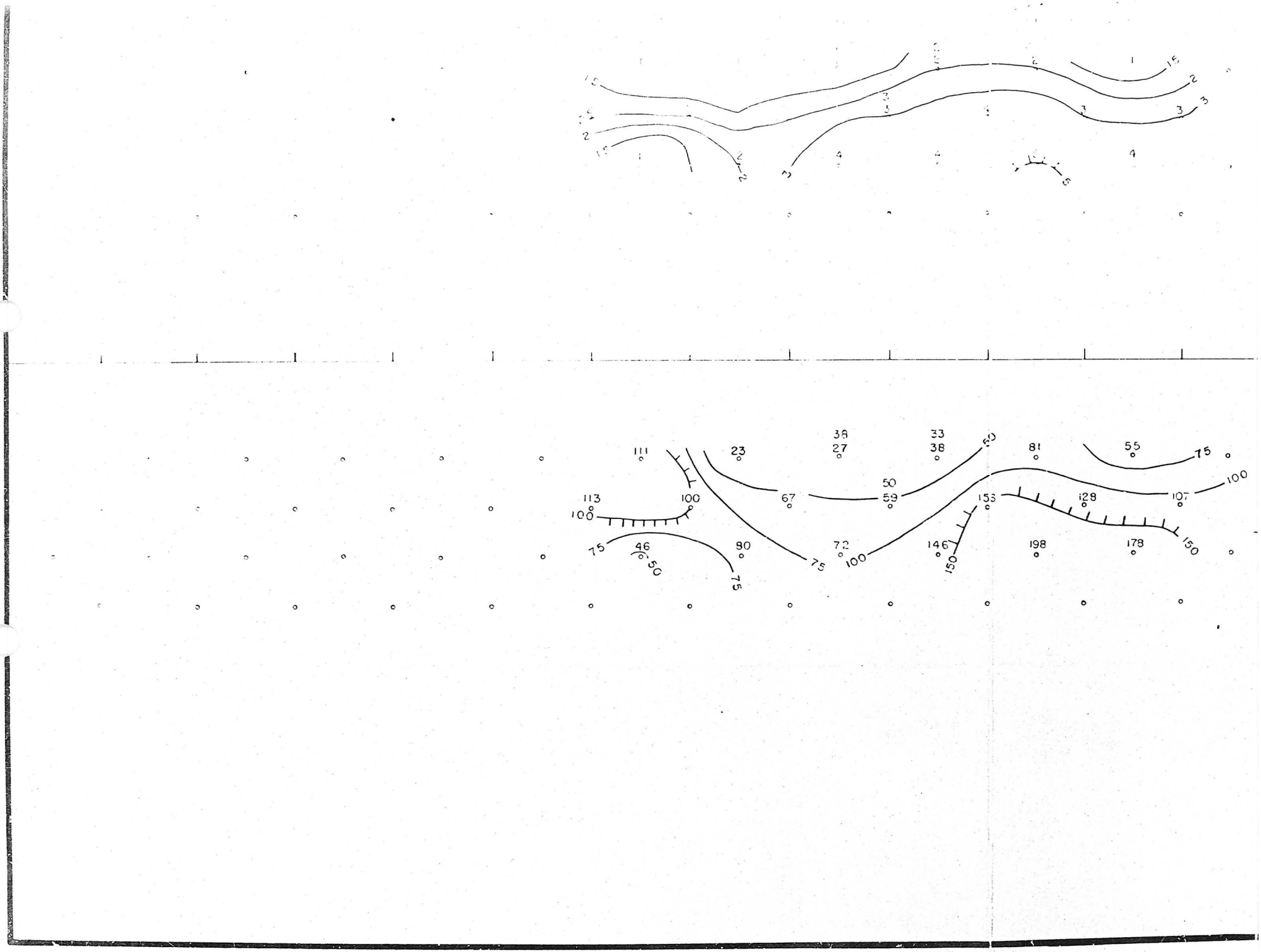
DATE: JUNE, 1963

Fig. 9

S.E. Fig 9

N.E. Fig 9


A
600'W
0
600'E
1200'E
1800'E
2400'E
3000'E
a
Rho/2π
a
Percent Frequency Effect
NOT CORRECTED FOR E.M. COUPLING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100
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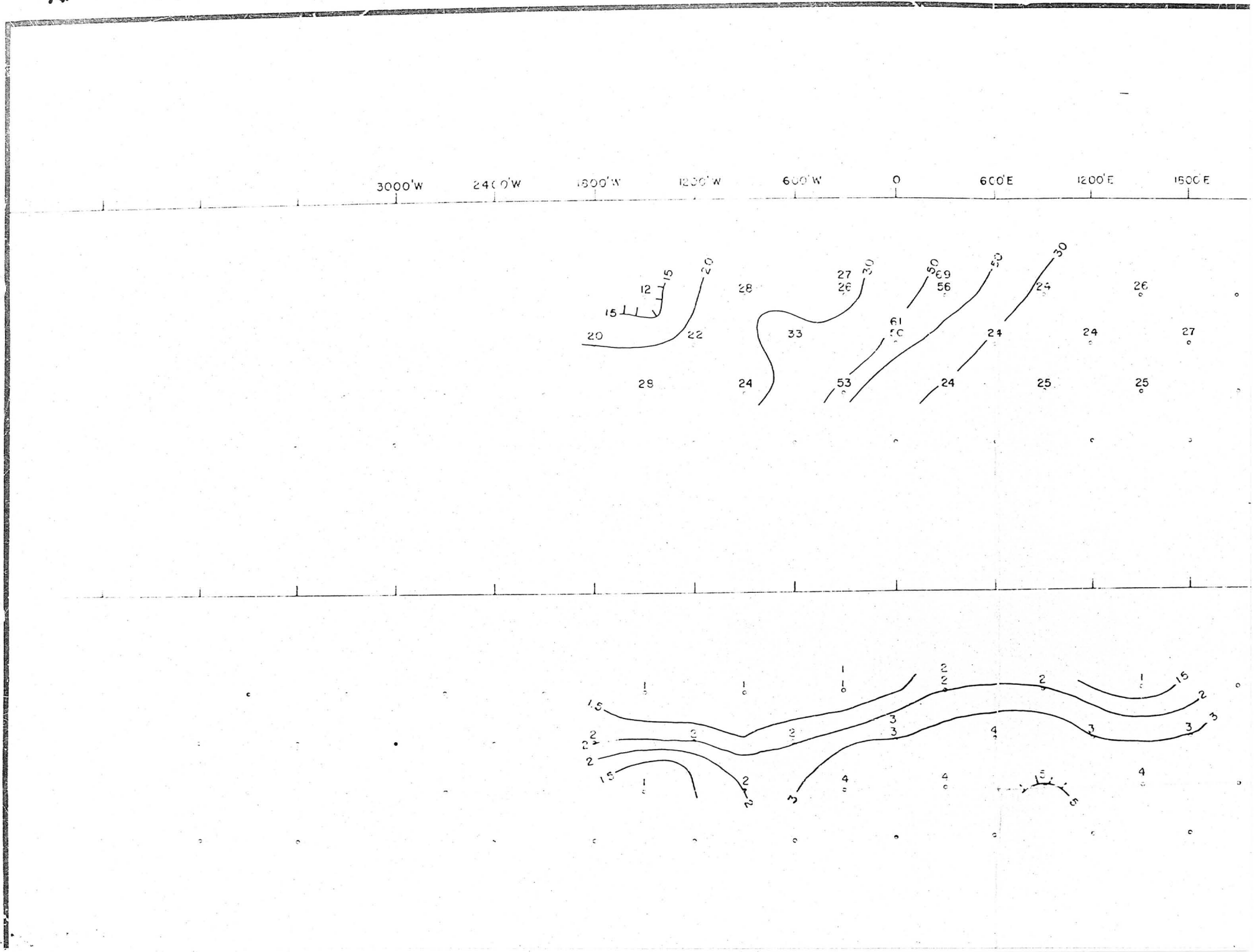
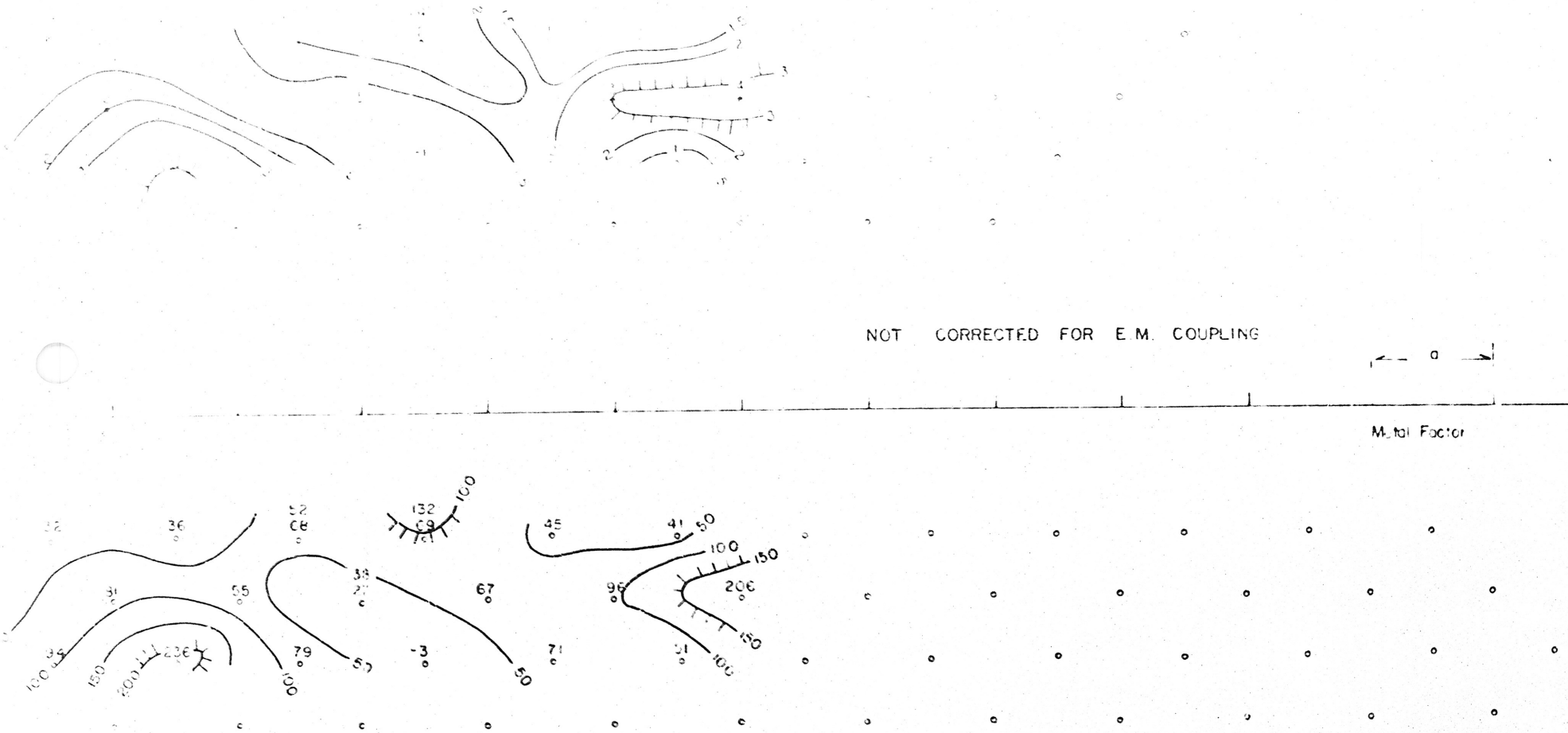
150
198
178
150

SW-Fig 9

N.W. Fig 9





PHELPS-DODGE CORPORATION

GEOPHYSICAL RESEARCH and EXPLORATION DEPARTMENT

INDUCED POLARIZATION and RESISTIVITY TRAVERSE

PROJECT: SHEEP MOUNTAIN

LINE: 1800 N

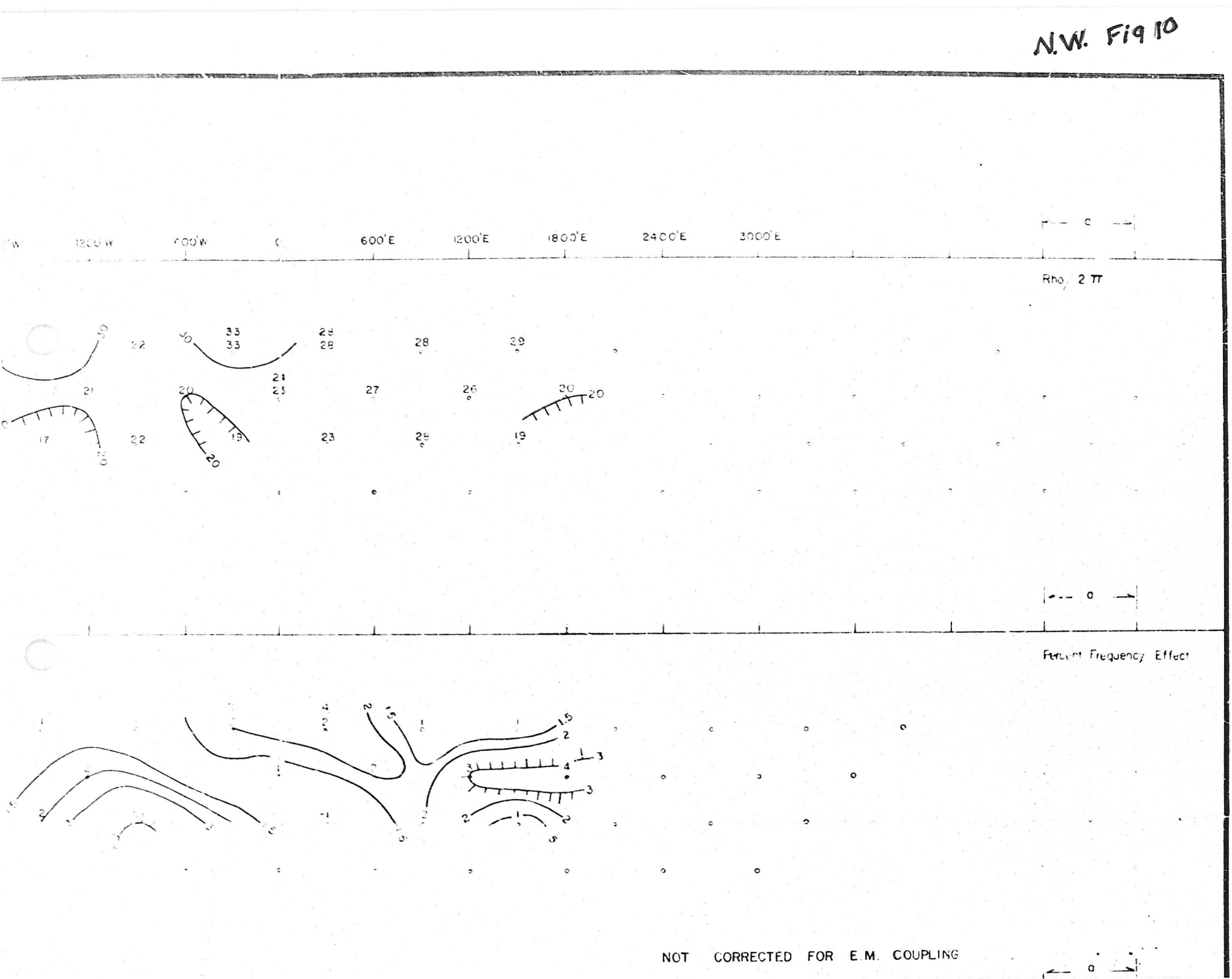
SCALE: a = 600'

DATE: JUNE, 1963

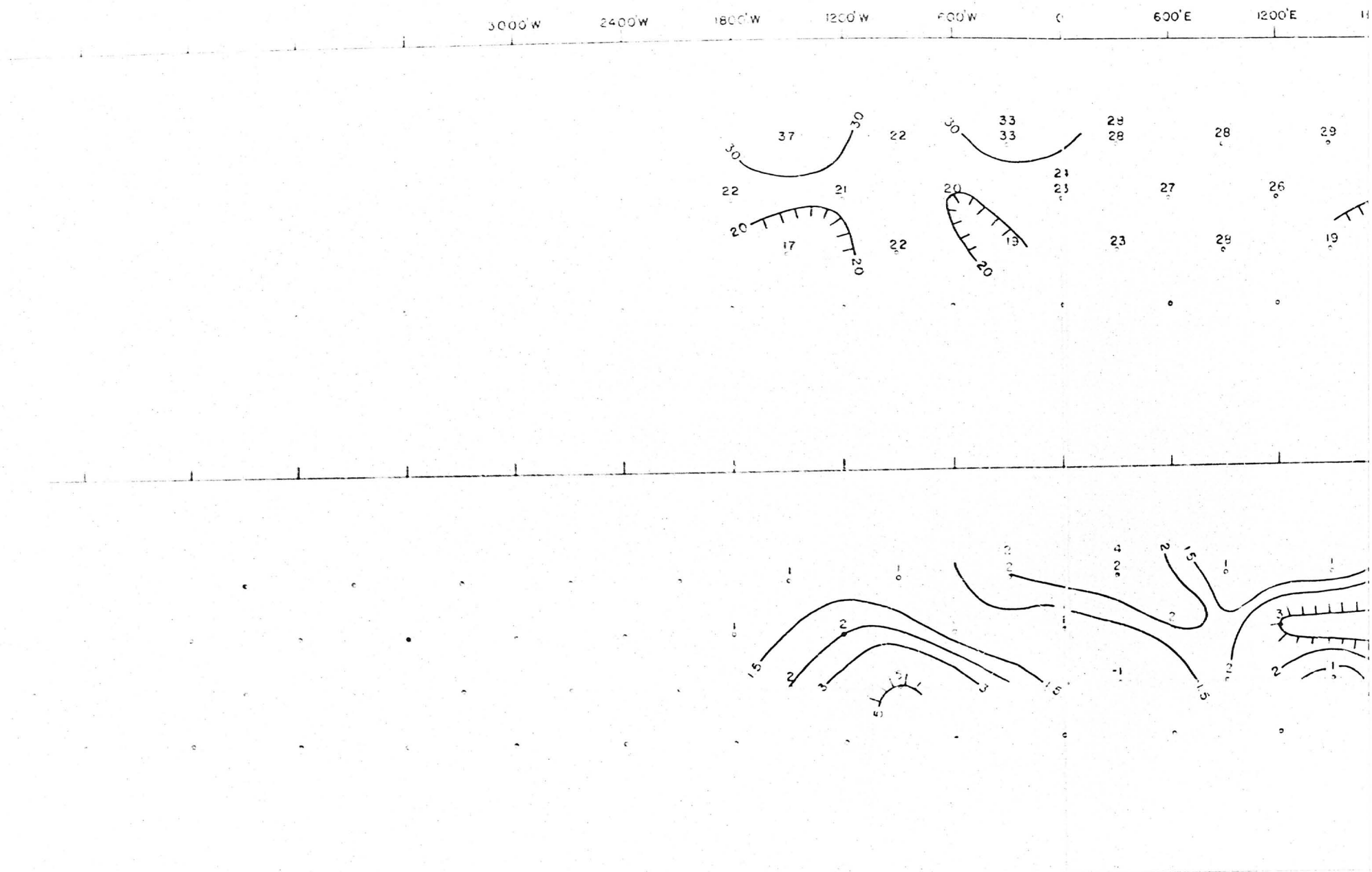
Fig 10

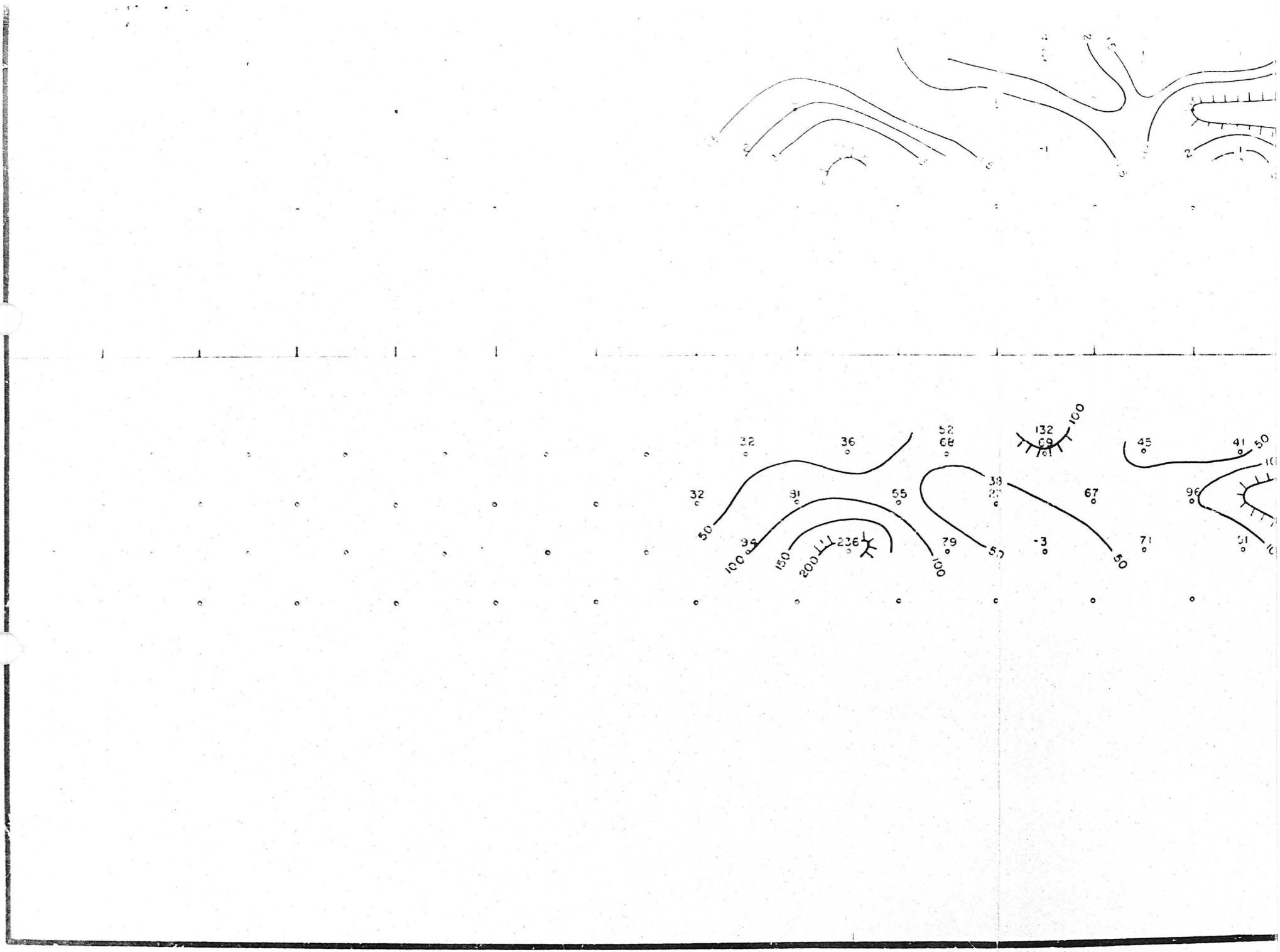
S.W. Fig 10

N.W. Fig 10


1200'W
600'W
600'E
1200'E
1800'E
2400'E
3000'E
C
Rho, 2 π
0
Percent Frequency Effect
NOT CORRECTED FOR E.M. COUPLING
0

N.E Fig 10

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132
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32
81
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96
50
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-3
71
51
100
150
200
100
50
50

S.E. - Fig 10