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GEOHERMAL SURVEYS, INC.

GLD2191

DIRECT USE GEOTHERMAL INVESTIGATIONS

ELKO, NEVADA

PHASE I - RESOURCE ASSESSMENT

GEOLOGICAL AND GEOPHYSICAL SURVEYS

PART I - TEXT

PART II - APPENDIX

Geothermal Surveys, Inc.
South Pasadena, California

16 November 1979

TABLE 2

GROUND TEMPERATURE SURVEY DATA

ELKO, NEVADA

Probe Depth = 10 ft

<u>Station Number</u>	<u>Temp °C 5/14/79</u>	<u>Station Number</u>	<u>Temp °C 5/14/79</u>
1A	7.06	26A	9.05
2A	10.09	27A	10.31
3A	8.55	28A	8.78
4A	8.30	29A	10.24
5A	9.09	30A	8.58
6A	8.27	31A	9.34
7A	9.32	32A	8.22
8A	8.48	33A	10.21
9A	9.65	34A	9.83
10A	8.53	35A	8.64
11A	9.70	36A	7.94
12A	10.02	37A	10.02
13A	8.76	38A	9.46
14A	10.53	39A	9.50
15A	9.76	40A	7.41
16A	8.87	41A	7.93
17A	10.35	42A	7.66
18A	9.33	43A	9.04
19A	9.61	44A	10.09
20A	9.40	45A	10.82
21A	9.21	46A	9.32
22A	8.61	47A	8.35
23A	5.35	48A	11.47
24A	9.08	49A	12.58
25A	9.71	50A	8.94

TABLE 2 (Cont'd)

Ground Temperature Survey Data
 Elko, Nevada
 Probe Depth = 10 ft

<u>Station Number</u>	<u>Temp °C 5/14/79</u>	<u>Station Number</u>	<u>Temp °C 5/14/79</u>
51A	19.52	76A	9.20
52A	8.94	77A	8.59
53A	8.15	78A	6.81
54A	8.41	79A	8.17
55A	8.79	80A	42.61
56A	9.44	81A	8.77
57A	9.18	82A	11.96
58A	11.77	83A	11.08
59A	10.01	84A	9.55
60A	11.57	85A	9.77
61A	5.41	86A	6.76
62A	10.26	87A	8.94
63A	6.88	88A	7.60
64A	7.69	89A	9.23
65A	11.68	90A	8.47
66A	10.76	91A	9.49
67A	7.44	92A	7.98
68A	7.42	93A	8.20
69A	10.89	94A	8.56
70A	10.57	95A	9.09
71A	12.24		
72A	9.27		
73A	7.70		
74A	8.95		
75A	10.77		

TABLE 3

INTERPRETED GROUND TEMPERATURES IN ELKO, NEVADA
ON MAY 14, 1979 - CALCULATED AT PROBE LOCATIONS
OCCUPIED IN JULY 8, 1977 THERMAL SURVEY

Probe Depth = 10 ft

<u>Station Number</u>	<u>Temp °C 7/8/77</u>	<u>Interpreted Temp °C 5/14/77</u>
1	9.17	7.52
2	9.28	7.63
3	9.58	7.93
4	9.26	7.61
5	10.56	8.91
6	12.03	10.38
7	10.25	8.60
8	11.27	9.62
9	11.12	9.47
10	11.11	9.46
11	11.60	9.95
12	9.67	8.02
13	9.04	7.39
14	10.29	8.64
15	11.22	9.57
16	10.20	8.55
17	10.83	9.18
18	11.49	9.84
19	9.21	7.56
20	9.38	7.73
21	9.54	7.89
22	8.63	6.98

Table 3 (Cont'd)

Interpreted Ground Temperatures in Elko, Nevada
 on May 14, 1979 - Calculated at probe locations
 occupied in July 8, 1977 Thermal Survey

Probe Depth = 10 ft

<u>Station Number</u>	<u>Temp °C 7/8/77</u>	<u>Interpreted Temp °C 5/14/77</u>
23	10.47	8.82
24	12.41	10.76
25	13.22	11.57
26	12.23	10.58
27	11.34	9.69
28	10.45	8.80
29	11.67	10.02
30	11.47	9.82
31	10.81	9.16
32	10.53	8.88
33	9.30	7.65
34	9.75	8.10
35	10.08	8.43
36	10.57	8.92
37	11.29	9.64
38	10.93	9.28
39	10.18	8.53
40	12.59	10.94
41	9.16	7.51
42	11.03	9.38
43	12.65	11.00
44	12.66	11.01
45	8.33	6.68
46	9.97	8.32

Table 3 (Cont'd)

Interpreted Ground Temperatures in Elko, Nevada
on May 14, 1979 - Calculated at probe locations
occupied in July 8, 1977 Thermal Survey

Probe Depth = 10 ft

<u>Station Number</u>	Temp °C <u>7/8/77</u>	Interpreted Temp °C <u>5/14/77</u>
47	10.27	8.62
48	8.18	6.53
49	9.71	8.06
50	12.05	10.40
51	12.26	10.61
52	12.90	11.25
53	8.01	6.36
54	11.81	10.16
55	7.70	6.05
56	8.57	6.92
57	11.02	9.37
58	14.96	13.31
59	11.00	9.35
60	11.02	9.37

TABLE 4

- SCHLUMBERGER SOUNDING DATA -

ELKO - LINE ER1 - 7/24/79

AB/2 (METERS)	APPARENT RESISTIVITY (OHM-M)
2.5	19.9
5.0	23.1
5.0	26.2
10.0	28.1
15.0	19.7
15.0	20.1
20.0	21.5
30.0	27.2
30.0	28.9
40.0	36.4
50.0	36.9
50.0	44.7
55.0	47.3
70.0	44.9
80.0	45.4
100.0	45.1
130.0	47.5
130.0	49.8
160.0	48.8
200.0	44.0
250.0	38.9
250.0	36.9
320.0	29.2
420.0	25.7
560.0	32.3

Table 4 (Cont'd)

- SCHLUMBERGER SOUNDING DATA -

ELKO - LINE ER2 - 7/18/79

AB/2 (METERS)	APPARENT RESISTIVITY (OHM-M)
2.5	123.0
5.0	83.2
5.0	92.7
10.0	37.3
15.0	25.9
15.0	25.7
20.0	24.1
30.0	23.8
30.0	24.1
40.0	23.8
50.0	26.7
60.0	28.6
60.0	27.0
70.0	30.2
80.0	30.0
90.0	31.4
100.0	32.7
115.0	35.3
130.0	38.0
130.0	38.8
145.0	41.0
180.0	45.1
200.0	46.3
220.0	48.0
250.0	49.8
250.0	49.2
280.0	47.2
320.0	44.9
370.0	43.9
420.0	42.1
480.0	43.0
480.0	43.6
560.0	45.8
640.0	50.2
720.0	51.9

Table 4 (Cont'd)

- SCHLUMBERGER SOUNDING DATA -

ELKO - LINE ER3 - 7/21/79

AB/2 (METERS)	APPARENT RESISTIVITY (OHM-M)
2.5	203.0
5.0	108.0
5.0	115.0
10.0	57.3
10.0	42.2
15.0	41.5
20.0	34.6
30.0	35.0
40.0	52.8
40.0	48.5
50.0	40.4
60.0	34.7
60.0	30.1
70.0	28.6
80.0	27.7
90.0	26.0
100.0	26.7
115.0	27.0
130.0	26.4
130.0	22.3
145.0	21.9
160.0	24.6
180.0	21.0
220.0	19.2
250.0	19.4

Table 4 (Cont'd)

- SCHLUMBERGER SOUNDING DATA -

ELKO - LINE ER4 - 7/21/79

AB/2 (METERS)	APPARENT RESISTIVITY (OHM-M)
2.5	9.3
5.0	10.8
5.0	11.6
10.0	11.4
15.0	11.2
15.0	12.0
20.0	13.1
30.0	12.7
30.0	12.1
40.0	12.6
50.0	14.3
50.0	13.7
60.0	15.3
70.0	17.1
80.0	15.2
90.0	14.9
100.0	15.3
115.0	15.9
130.0	16.1
130.0	15.0
145.0	15.0
160.0	13.8
180.0	12.6
200.0	11.6
220.0	10.8
250.0	10.7
280.0	11.0
320.0	11.9
370.0	13.9
420.0	18.0
480.0	20.8

Table 4 (Cont'd)

- SCHLUMBERGER SOUNDING DATA -

ELKO - LINE ERS - 7/24/79

AB/2 (METERS)	APPARENT RESISTIVITY (OHM-M)
2.5	23.3
5.0	43.2
5.0	40.6
10.0	46.2
15.0	62.7
15.0	61.1
20.0	68.6
30.0	63.6
30.0	58.5
40.0	43.6
50.0	34.0
50.0	34.2
60.0	33.6
80.0	30.7
100.0	35.3
130.0	30.9
130.0	26.2
200.0	15.8
250.0	17.5
250.0	15.6
320.0	16.9
420.0	21.3

Table 4 (Cont'd)

- SCHLUMBERGER SOUNDING DATA -

ELKO - LINE ER6 - 7/22/79

AB/2 (METERS)	APPARENT RESISTIVITY (OHM-M)
2.5	10.3
5.0	15.3
5.0	14.4
10.0	20.3
15.0	22.9
15.0	23.2
20.0	24.4
30.0	24.5
40.0	24.5
40.0	24.2
50.0	24.0
60.0	23.4
70.0	24.0
70.0	22.8
80.0	22.8
100.0	23.8
130.0	25.9
130.0	23.3
145.0	23.1
160.0	23.1
180.0	24.0
200.0	24.7
220.0	24.9
250.0	26.0
250.0	25.6
280.0	25.5
320.0	27.0
370.0	28.7
420.0	30.6
480.0	33.6

Table 4 (Cont'd)

- SCHLUMBERGER SOUNDING DATA -

ELKO - LINE ER7 - 7/19/79

AB/2 (METERS)	APPARENT RESISTIVITY (OHM-M)
2.5	4.3
5.0	6.2
5.0	5.9
10.0	9.6
15.0	13.6
15.0	12.2
20.0	14.6
30.0	18.1
30.0	17.9
40.0	20.9
50.0	21.8
50.0	23.9
60.0	26.4
70.0	29.2
80.0	28.7
90.0	24.0
100.0	21.8
115.0	20.2
130.0	17.8
130.0	21.8
145.0	20.1
160.0	18.5
180.0	17.4
200.0	16.8
220.0	15.6
250.0	15.1
280.0	15.0
320.0	14.7
370.0	16.5

Table 4 (Cont'd)

- SCHLUMBERGER SOUNDING DATA -

ELKO - LINE ER8 - 7/24/79

AB/2 (METERS)	APPARENT RESISTIVITY (OHM-M)
2.5	26.1
5.0	18.2
5.0	16.9
10.0	14.2
15.0	16.9
15.0	15.5
20.0	17.2
30.0	18.7
30.0	19.0
40.0	17.4
50.0	16.9
50.0	15.6
60.0	15.8
80.0	15.3
100.0	15.7
130.0	16.1
130.0	13.5
160.0	13.8
200.0	14.8

- SCHLUMBERGER SOUNDING DATA -

ELKO - LINE ER9 - 7/22/79

AB/2 (METERS)	APPARENT RESISTIVITY (OHM-M)
2.5	15.2
5.0	9.8
5.0	9.2
10.0	9.9
15.0	10.8
15.0	10.7
20.0	11.5
30.0	11.7
30.0	11.1
40.0	10.3
50.0	11.0
50.0	10.9
60.0	9.9

Table 4 (Cont'd)

- SCHLUMBERGER SOUNDING DATA -

ELKO - LINE ER10 - 7/23/79

AB/2 (METERS)	APPARENT RESISTIVITY (OHM-M)
2.5	832.0
5.0	484.0
5.0	512.0
10.0	173.0
15.0	80.0
15.0	82.5
20.0	60.7
30.0	51.3
40.0	43.0
40.0	39.0
50.0	37.6
60.0	39.6
60.0	34.6
70.0	37.2
80.0	38.6
90.0	37.8
100.0	37.3
115.0	37.1
130.0	36.7
130.0	32.7
145.0	30.8
160.0	29.8
180.0	28.7
200.0	25.2
220.0	23.4
250.0	22.6
250.0	21.5
280.0	20.7
320.0	19.5
370.0	20.3
420.0	22.4
480.0	26.5

Table 4 (Cont'd)

- SCHLUMBERGER SOUNDING DATA -

ELKO - LINE ER11 - 7/22/79

AB/2 (METERS)	APPARENT RESISTIVITY (OHM-M)
2.5	6.0
5.0	9.9
5.0	8.7
10.0	12.9
15.0	15.3
15.0	15.8
20.0	16.8
30.0	18.9
30.0	18.9
40.0	19.0
50.0	19.6
60.0	19.1
60.0	17.4
70.0	17.9
80.0	17.5
90.0	18.1
100.0	18.5
115.0	19.2
130.0	20.3
145.0	19.5
160.0	19.5
180.0	20.0
200.0	19.8
220.0	20.7
250.0	22.9
250.0	21.3
280.0	22.4
320.0	23.2
370.0	25.8
420.0	27.3
480.0	32.2

Table 4 (Cont'd)

- SCHLUMBERGER SOUNDING DATA -

ELKO - LINE ER12 - 7/20/79

AB/2 (METERS)	APPARENT RESISTIVITY (OHM-M)
2.5	46.7
5.0	90.4
5.0	95.8
10.0	95.1
15.0	40.2
15.0	36.6
20.0	16.8
30.0	14.7
30.0	19.0
40.0	37.3
50.0	40.1
50.0	58.2
60.0	99.7
70.0	151.6
90.0	201.5
115.0	43.7
130.0	55.2
130.0	20.3
160.0	15.8
200.0	18.1
250.0	121.7
250.0	22.2

Table 4 (Cont'd)

- SCHLUMBERGER SOUNDING DATA -
 ELKO - LINE ER13 - 7/19/79

AB/2 (METERS)	APPARENT RESISTIVITY (OHM-M)
2.5	66.7
5.0	76.7
5.0	74.9
10.0	122.0
15.0	105.0
15.0	101.0
20.0	93.5
30.0	87.8
40.0	67.8
40.0	65.0
50.0	55.9
60.0	42.9
60.0	42.6
70.0	37.2
80.0	36.4
90.0	35.2
100.0	31.4
115.0	28.7
130.0	28.5
130.0	32.8
145.0	31.7
160.0	29.8
180.0	28.2
200.0	24.7
220.0	25.8
250.0	24.5
250.0	23.2
280.0	21.9

Table 4 (Cont'd)

- SCHLUMBERGER SOUNDING DATA -

ELKO - LINE ER14 - 7/24/79

AB/2 (METERS)	APPARENT RESISTIVITY (OHM-M)
2.5	3.8
5.0	5.5
5.0	5.6
10.0	10.3
15.0	15.0
15.0	14.1
20.0	19.0
30.0	21.9
30.0	22.5
40.0	24.8
50.0	25.4
50.0	25.3
60.0	22.7
80.0	22.1
100.0	18.7
130.0	16.4
130.0	17.7
160.0	14.6
200.0	12.1
250.0	12.1
250.0	12.4
320.0	13.2
420.0	17.5

Table 4 (Cont'd)

- SCHLUMBERGER SOUNDING DATA -

ELKO - LINE ER15 - 7/23/79

AB/2 (METERS)	APPARENT RESISTIVITY (OHM-M)
2.5	13.2
5.0	11.9
5.0	11.1
10.0	17.2
15.0	20.5
15.0	24.1
20.0	27.6
30.0	28.1
30.0	36.5
40.0	33.4
50.0	30.6
50.0	26.4
60.0	23.4
70.0	21.3
80.0	19.7
90.0	18.7
100.0	17.4
130.0	15.0
130.0	12.1
160.0	11.6
200.0	10.9
250.0	10.4
320.0	11.9
420.0	18.0

Table 4 (Cont'd)

- SCHLUMBERGER SOUNDING DATA -

ELKO - LINE ER16 - 7/20/79

AB/2 (METERS)	APPARENT RESISTIVITY (OHM-M)
2.5	6.6
5.0	4.7
5.0	4.6
10.0	7.4
15.0	9.2
15.0	9.0
20.0	10.3
30.0	12.9
40.0	14.7
40.0	13.9
50.0	14.4
60.0	13.5
60.0	14.3
70.0	14.5
80.0	13.7
90.0	12.9
115.0	13.8
130.0	14.3
130.0	13.2
145.0	13.1
160.0	12.9
180.0	12.0
200.0	10.9
220.0	14.1
250.0	12.6
280.0	11.0
320.0	11.9

- SCHLUMBERGER SOUNDING DATA -

ELKO - LINE ER17 - 7/20/79

AB/2 (METERS)	APPARENT RESISTIVITY (OHM-M)
2.5	3.8
5.0	5.5
5.0	6.0
10.0	8.8
15.0	9.2
15.0	8.4
20.0	8.7
30.0	8.6
30.0	8.8
40.0	8.5
50.0	7.7
50.0	7.3
75.0	5.6
80.0	5.6
100.0	5.4
130.0	4.2

- SCHLUMBERGER SOUNDING DATA -

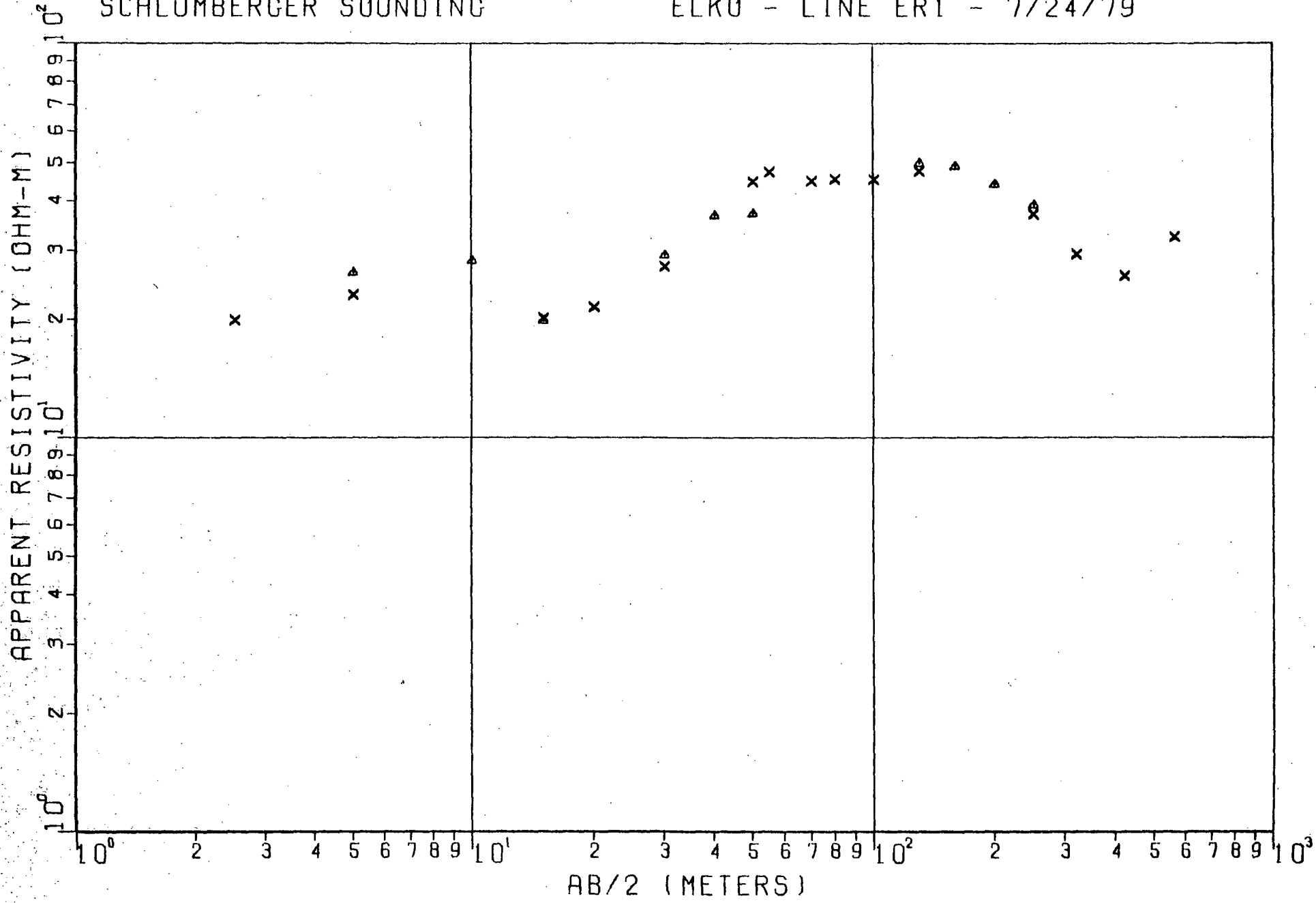
ELKO - LINE ER18 - 7/23/79

AB/2 (METERS)	APPARENT RESISTIVITY (OHM-M)
2.5	24.6
5.0	9.2
5.0	8.8
10.0	6.7
15.0	6.0
15.0	5.7
20.0	5.2
30.0	5.1
30.0	4.6
40.0	4.9
50.0	5.2
60.0	5.8
60.0	5.5
70.0	6.1
80.0	6.9
90.0	7.4
100.0	7.8
130.0	9.5
130.0	7.9
160.0	8.6
200.0	9.7
250.0	10.6
320.0	13.5
420.0	19.7

SCHLUMBERGER SOUNDING

ELKO - LINE ER1 - 7/24/79

A-22



AB/2 (METERS)

FIGURE 6

A-23

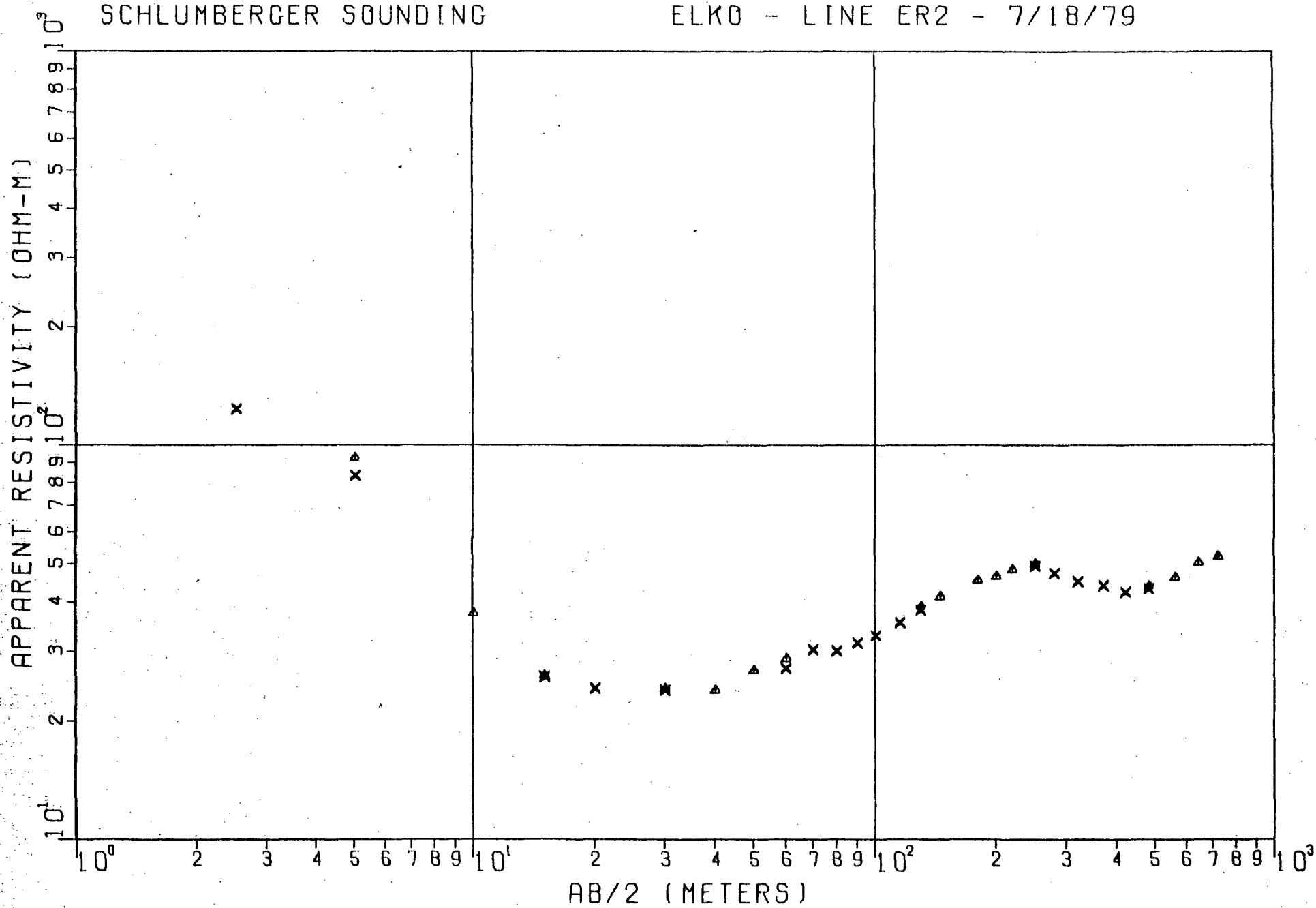


FIGURE 7

SCHLUMBERGER SOUNDING

ELKO - LINE ER3 - 7/21/79

A-24

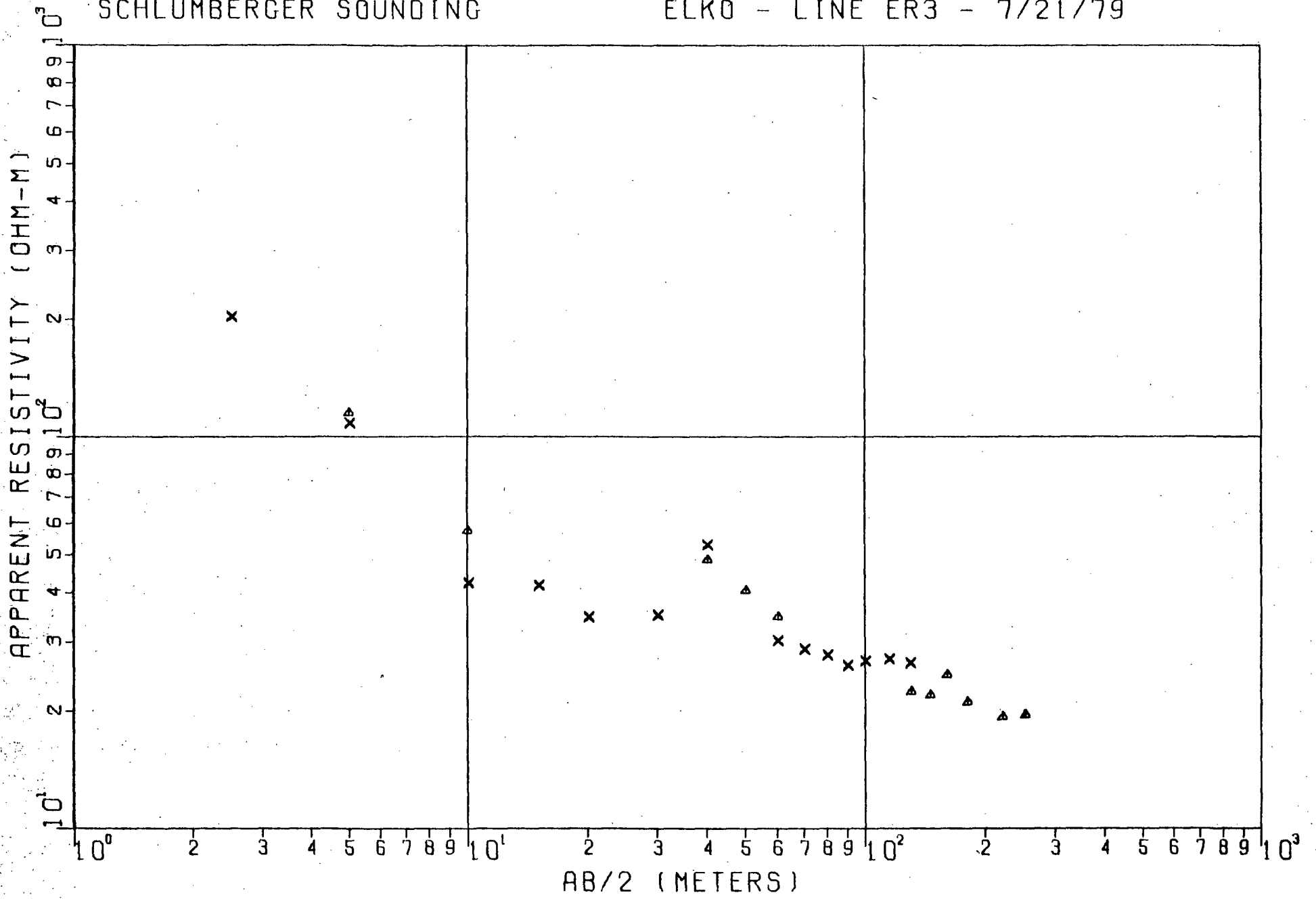


FIGURE 8

SCHLUMBERGER SOUNDING

ELKO - LINE ER4 - 7/21/79

A-25

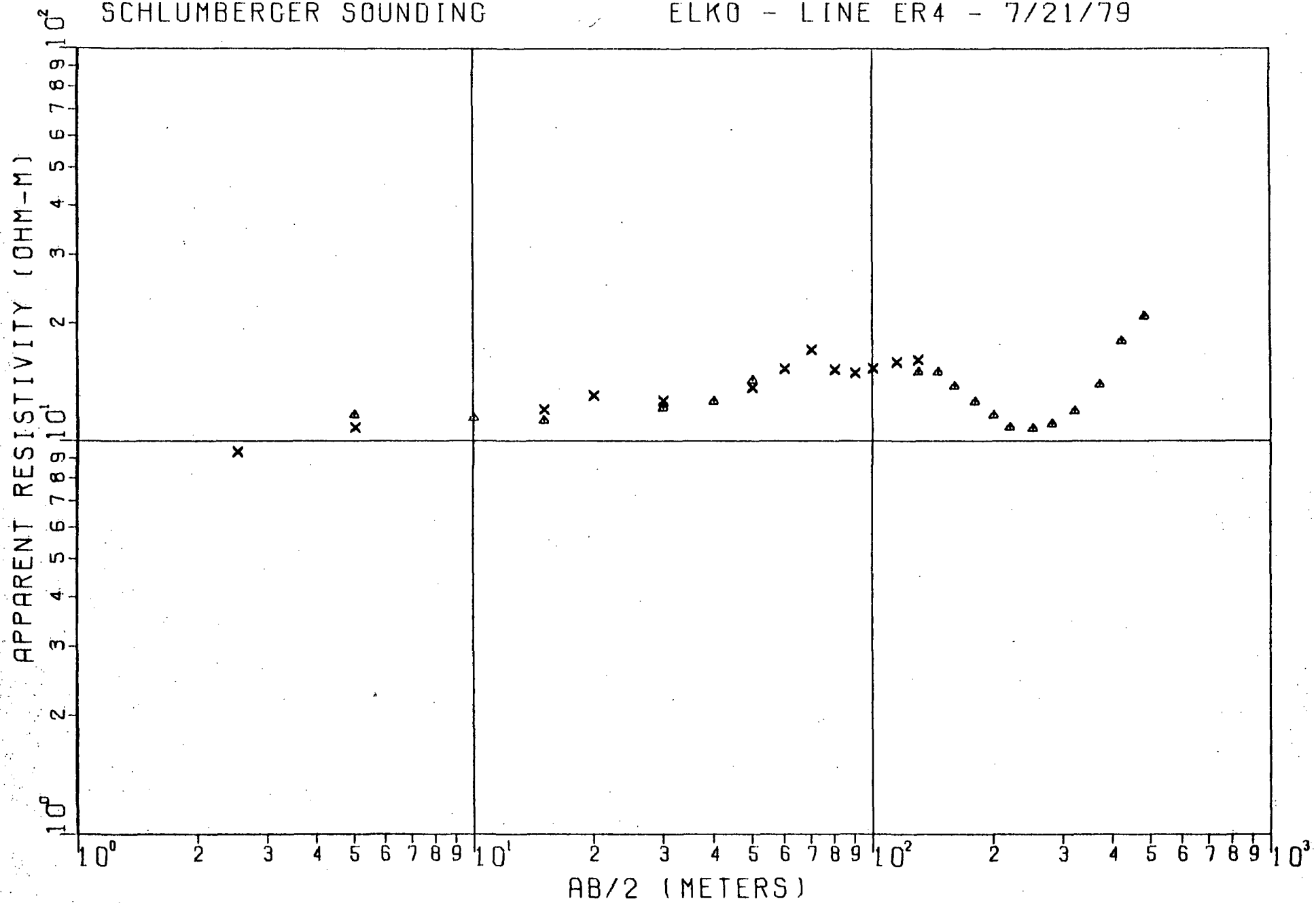


FIGURE 9

SCHLUMBERGER SOUNDING

ELKO - LINE ER5 - 7/24/79

A-26

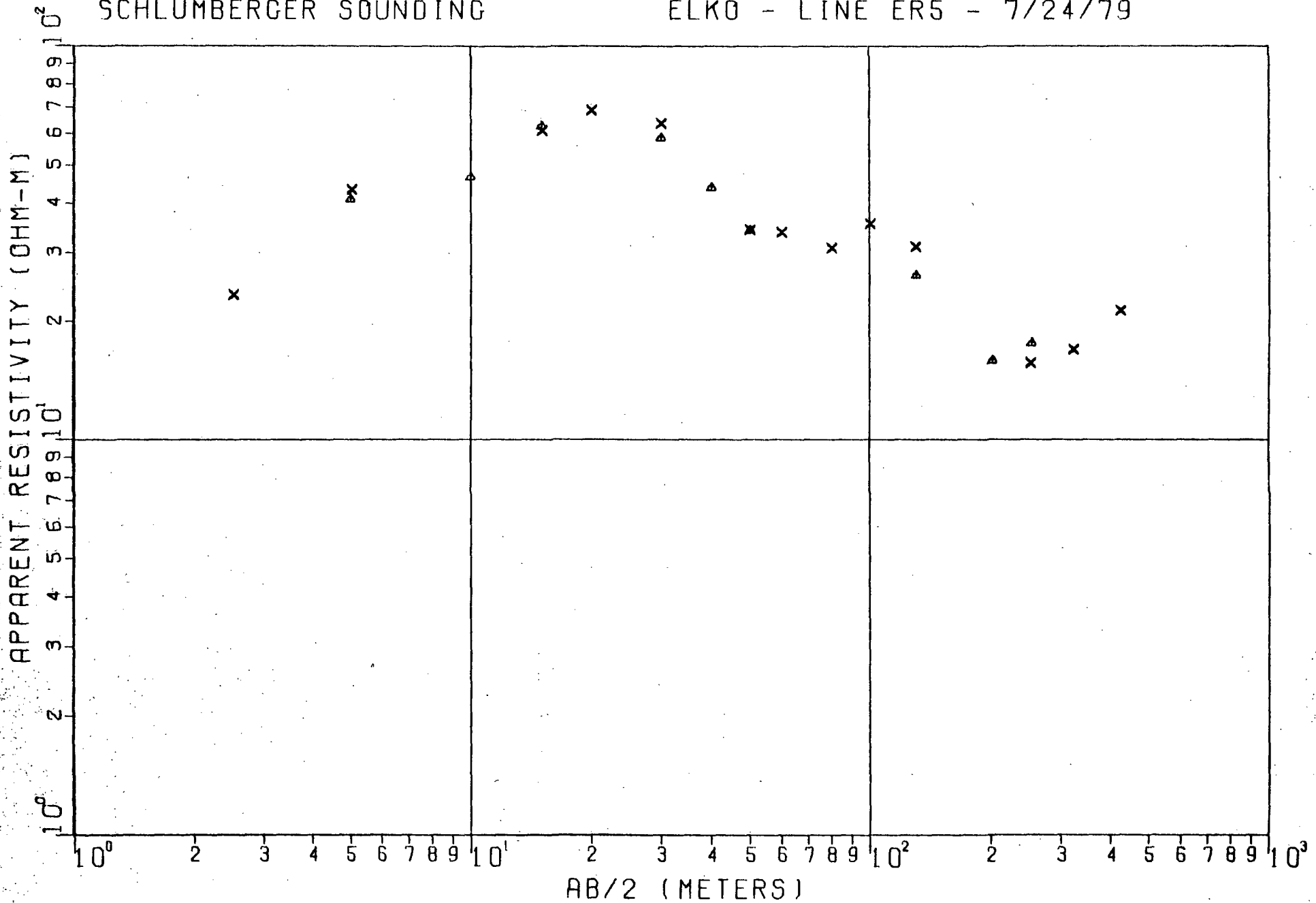


FIGURE 10

SCHLUMBERGER SOUNDING

ELKO - LINE ER7 - 7/19/79

A-28

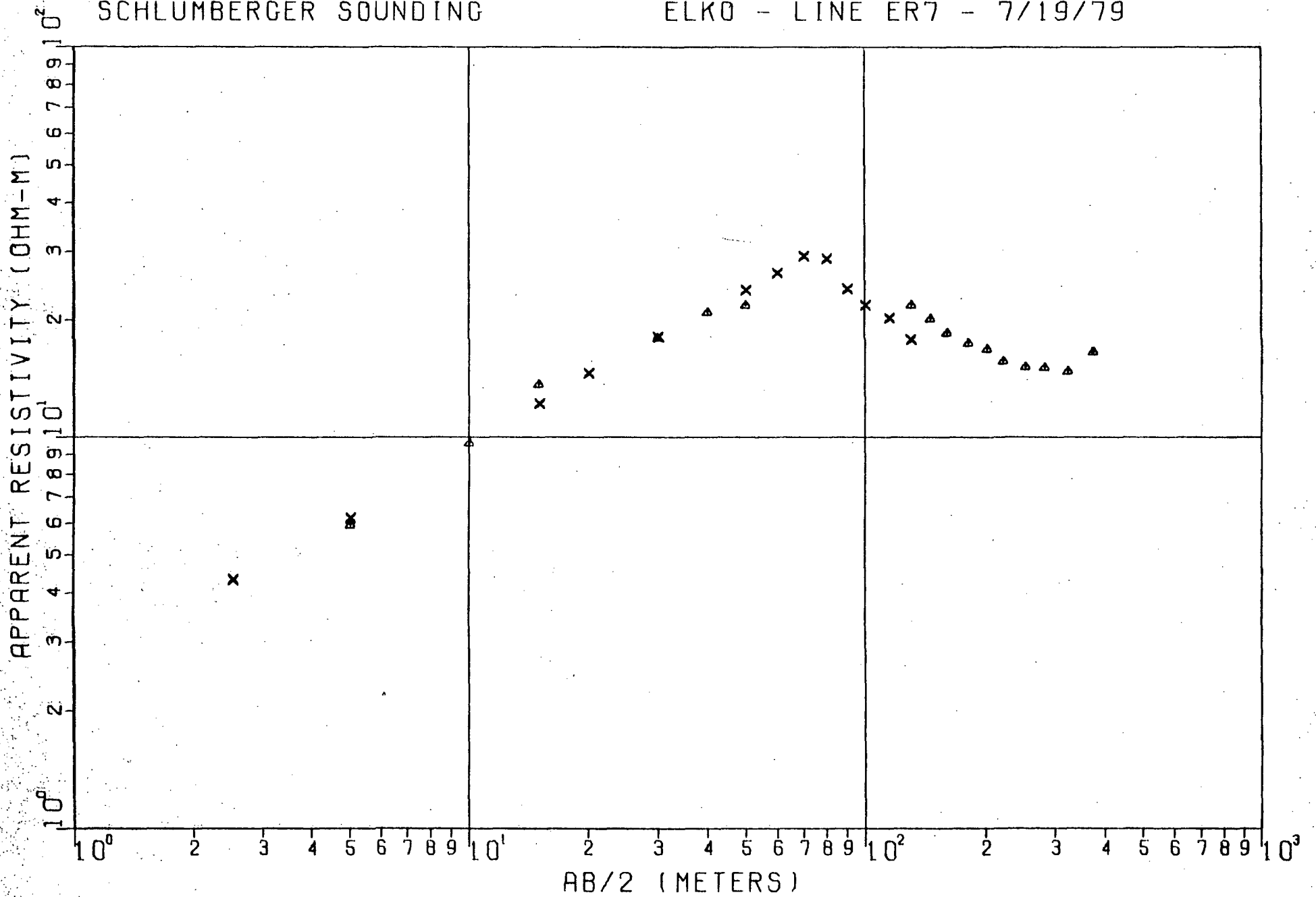


FIGURE 12

SCHLUMBERGER SOUNDING

ELKO - LINE ER8 - 7/24/79

A-29

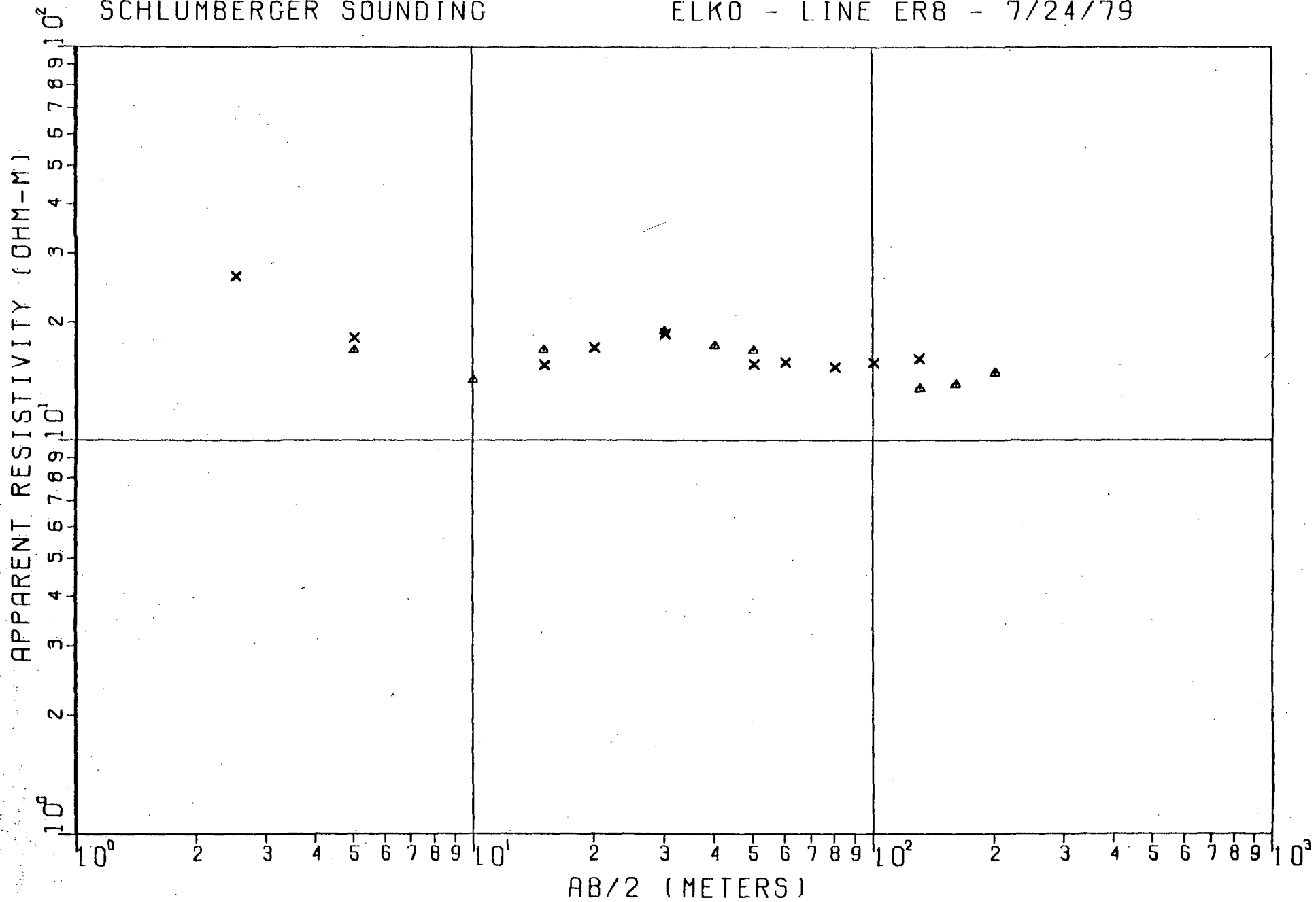
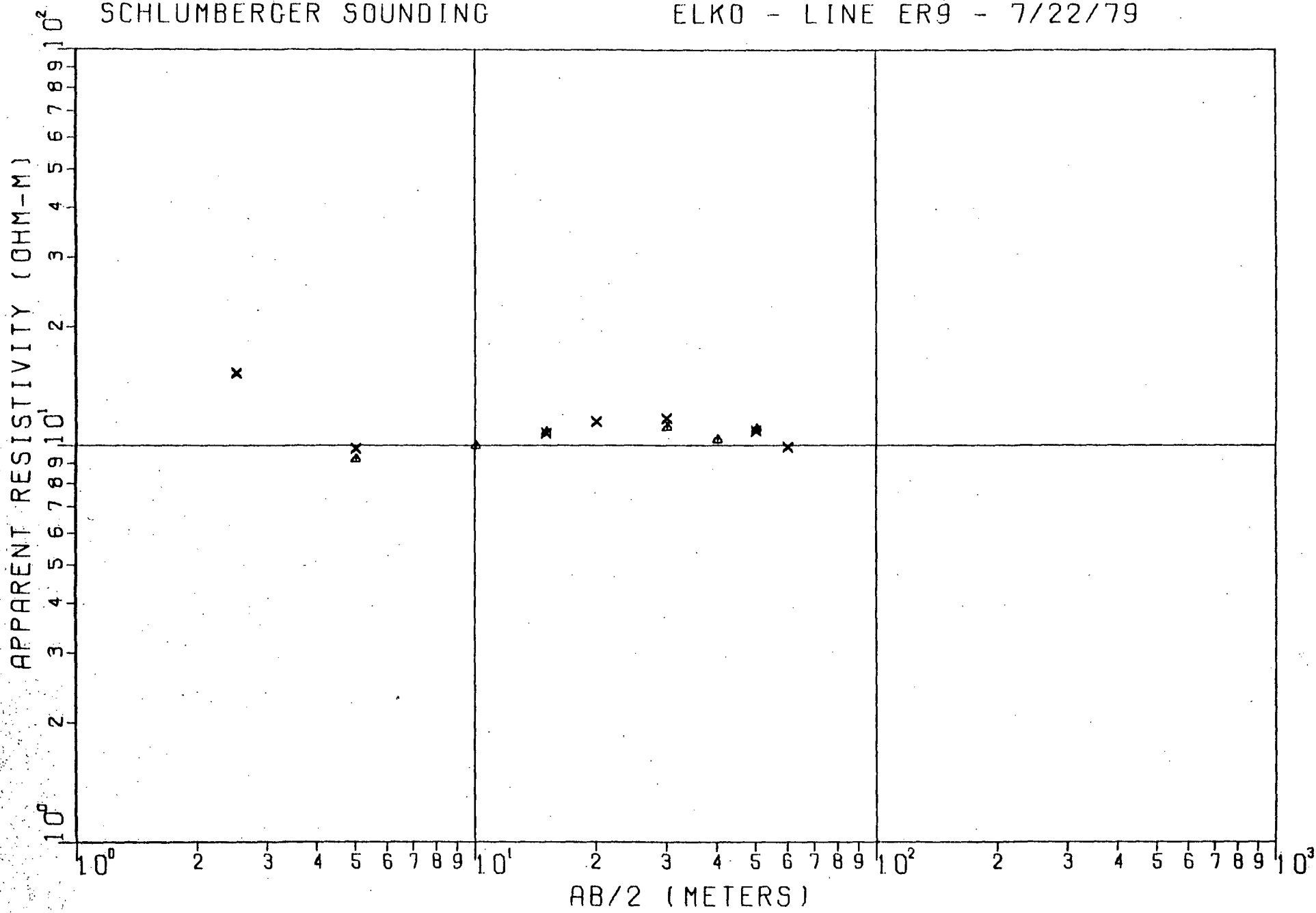


FIGURE 13

SCHLUMBERGER SOUNDING

ELKO - LINE ER9 - 7/22/79



A-30

FIGURE 14

SCHLUMBERGER SOUNDING

ELKO - LINE ER10 - 7/23/79

A-31

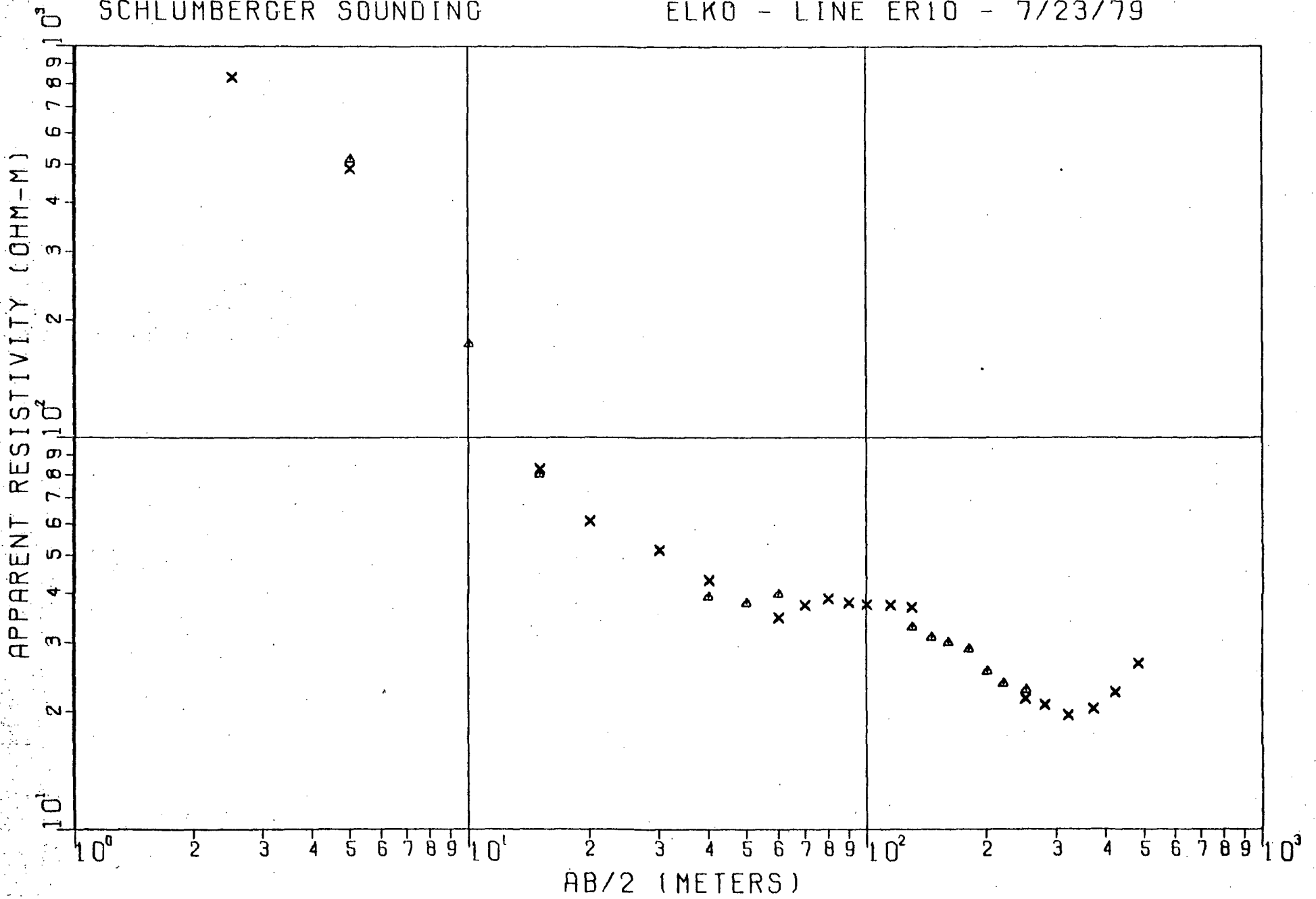
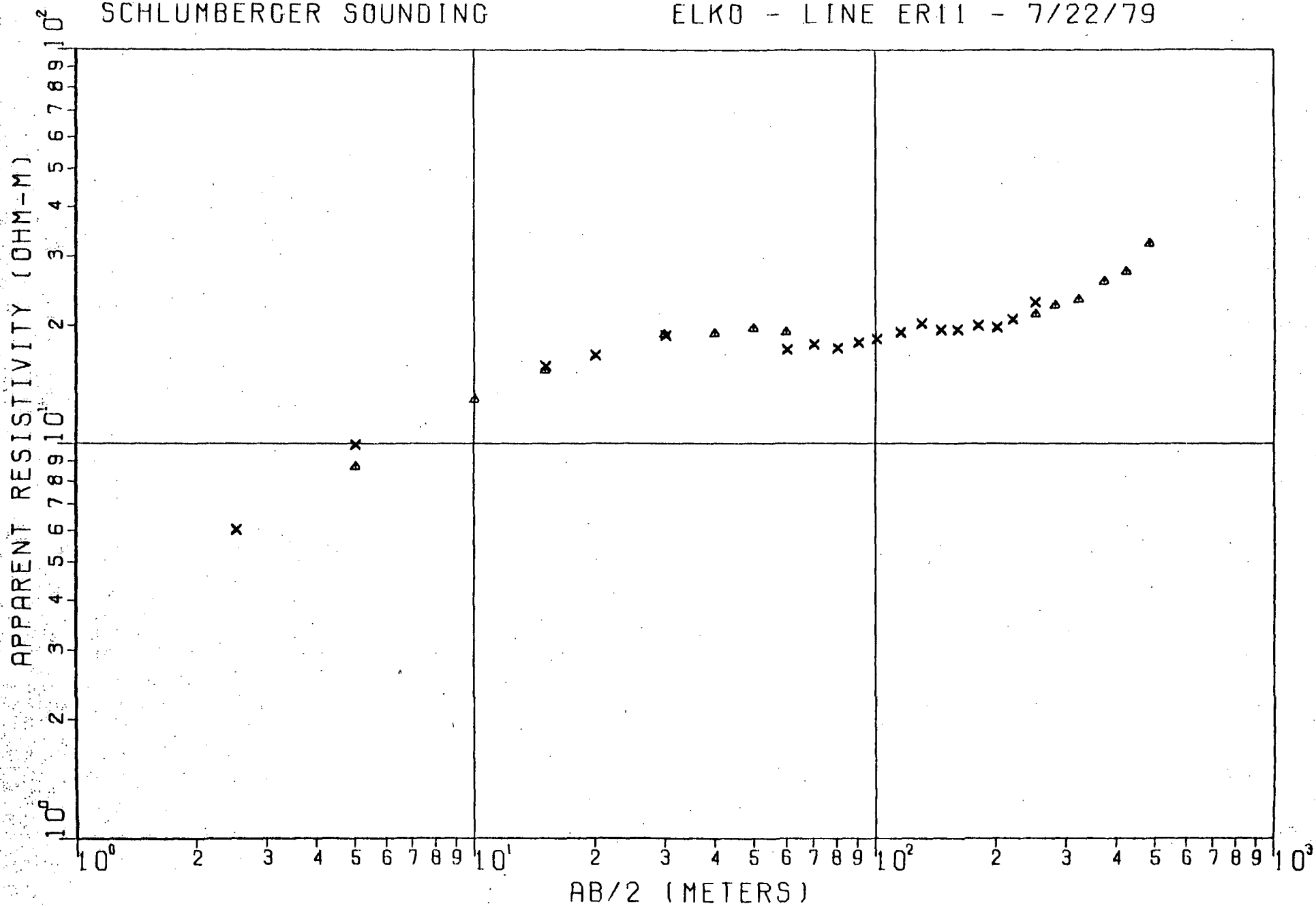


FIGURE 15

SCHLUMBERGER SOUNDING

ELKO - LINE ER11 - 7/22/79



A-32

FIGURE 16

A-33

SCHLUMBERGER SOUNDING

ELKO - LINE ER12 - 7/20/79

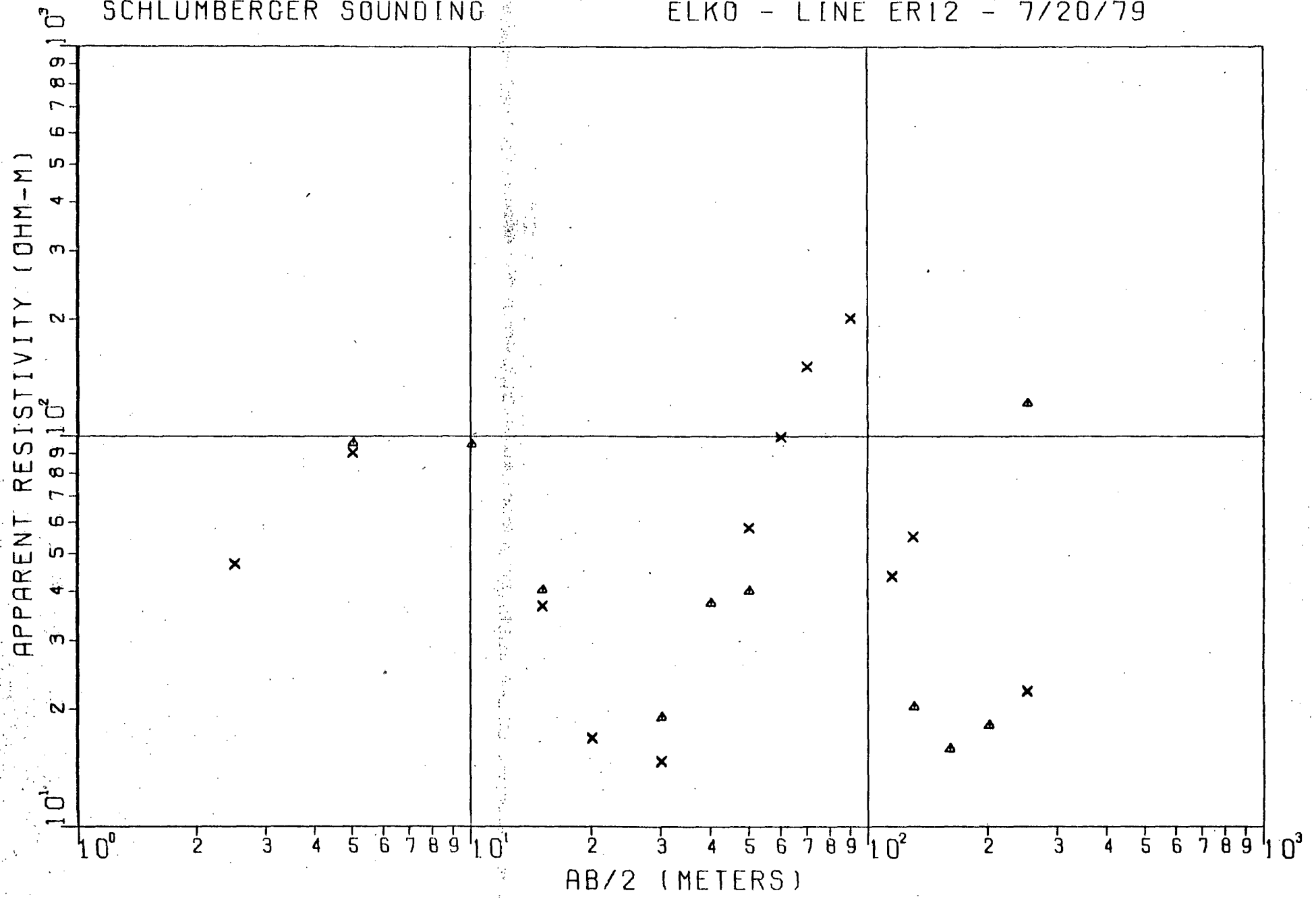


FIGURE 17

A-34

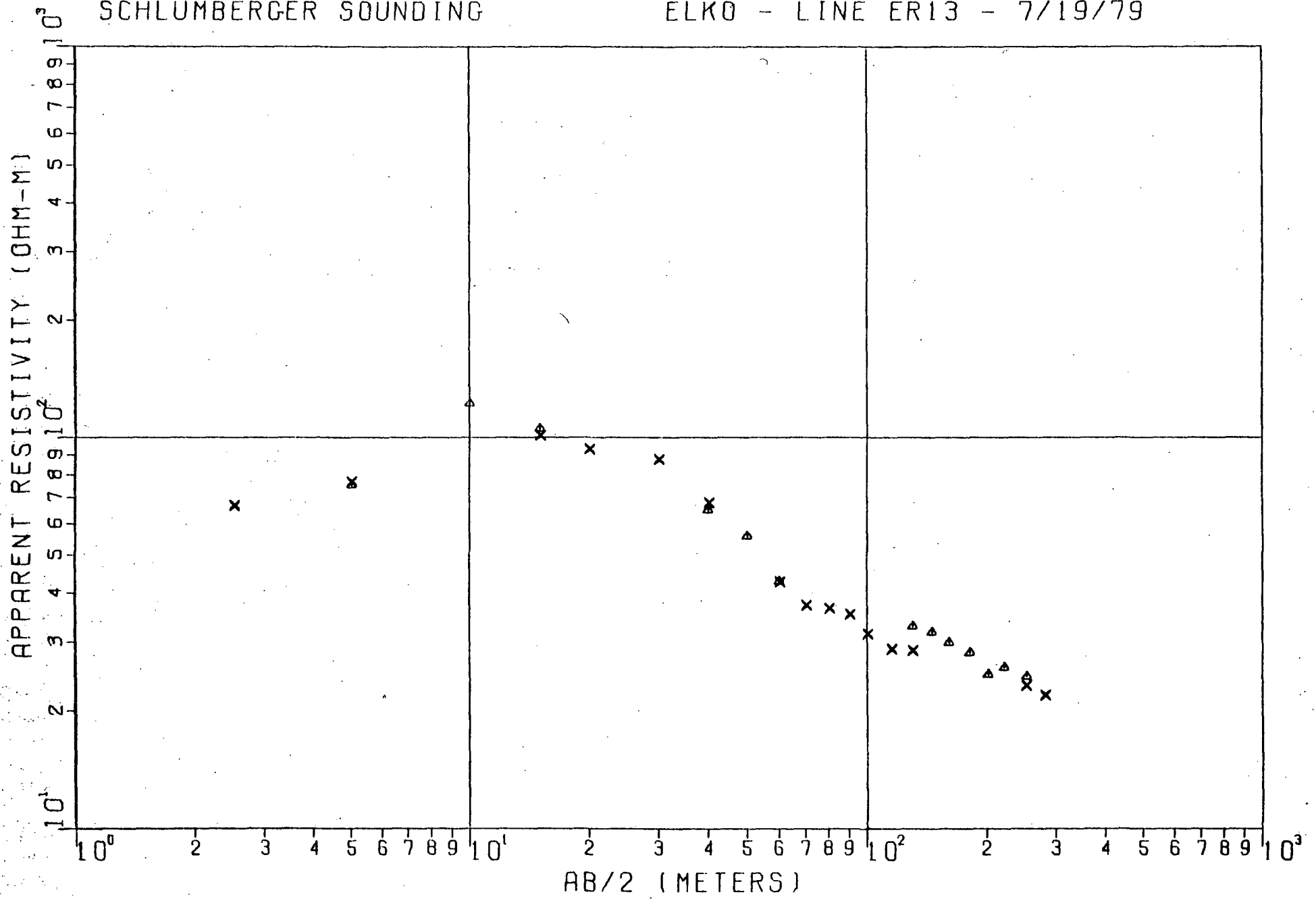


FIGURE 18

SCHLUMBERGER SOUNDING

ELKO - LINE ER14 - 7/24/79

A-35

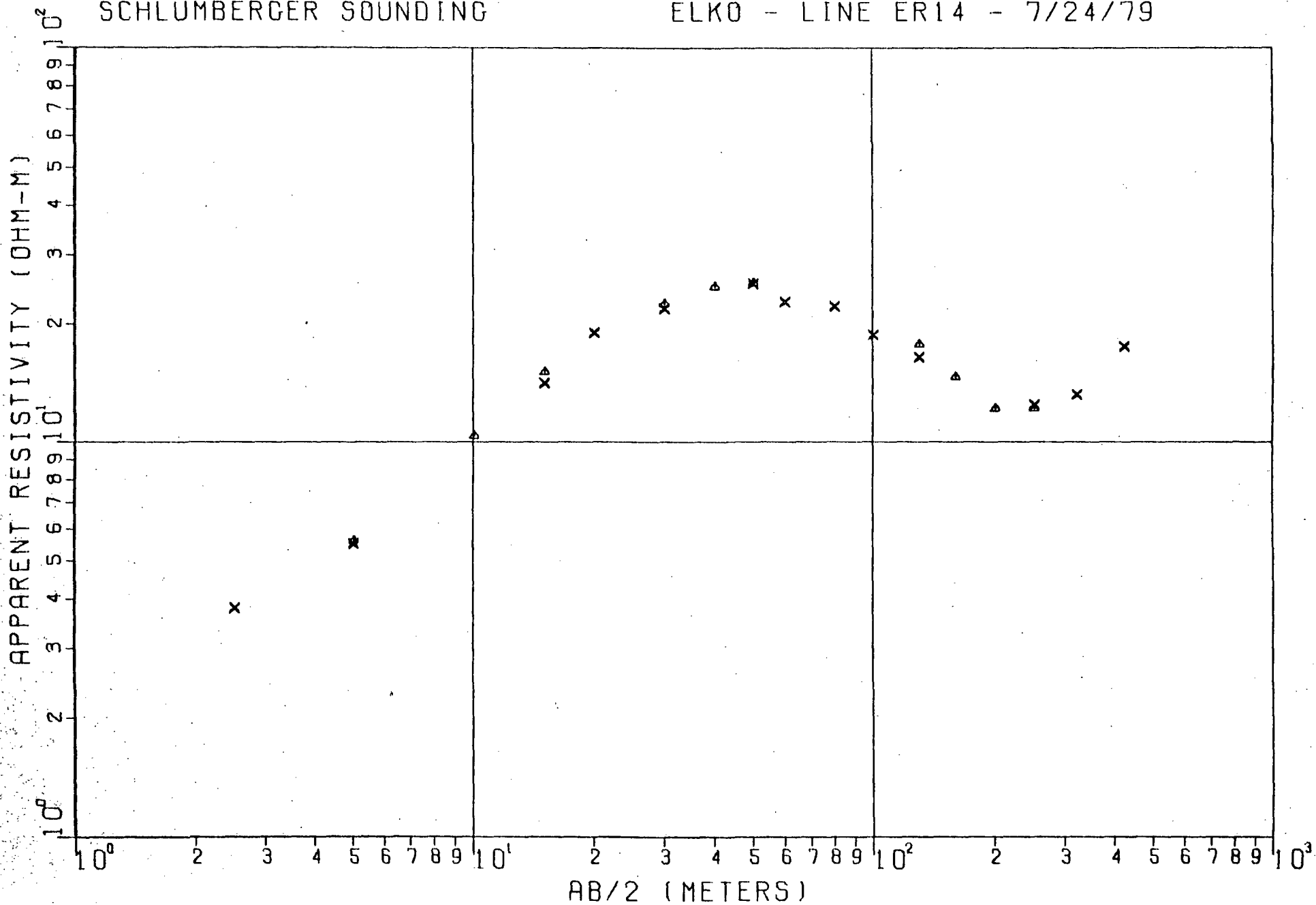


FIGURE 19

SCHLUMBERGER SOUNDING

ELKO - LINE ER15 - 7/23/79

A-36

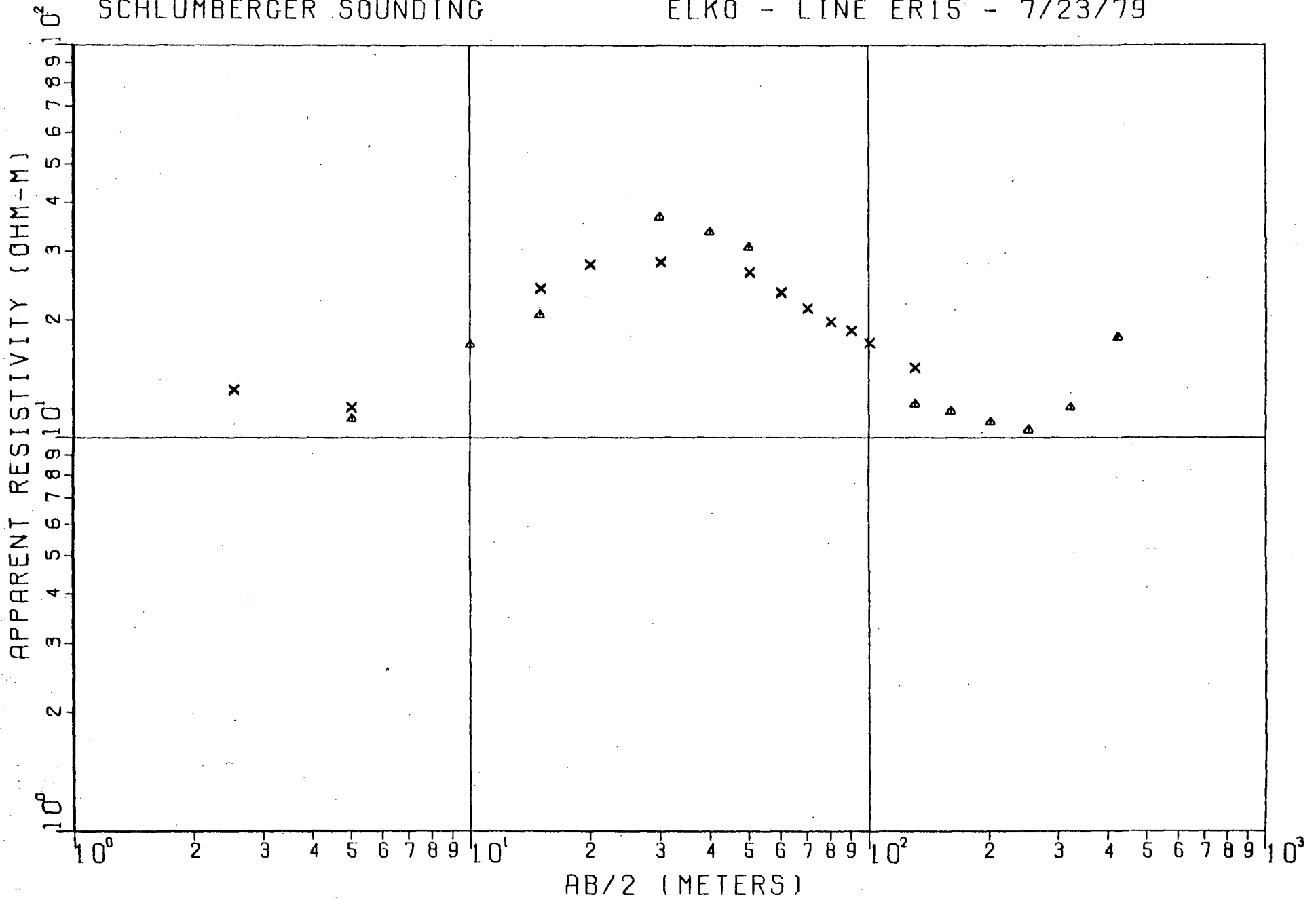


FIGURE 20

SCHLUMBERGER SOUNDING

ELKO - LINE ER16 - 7/20/79

A-37

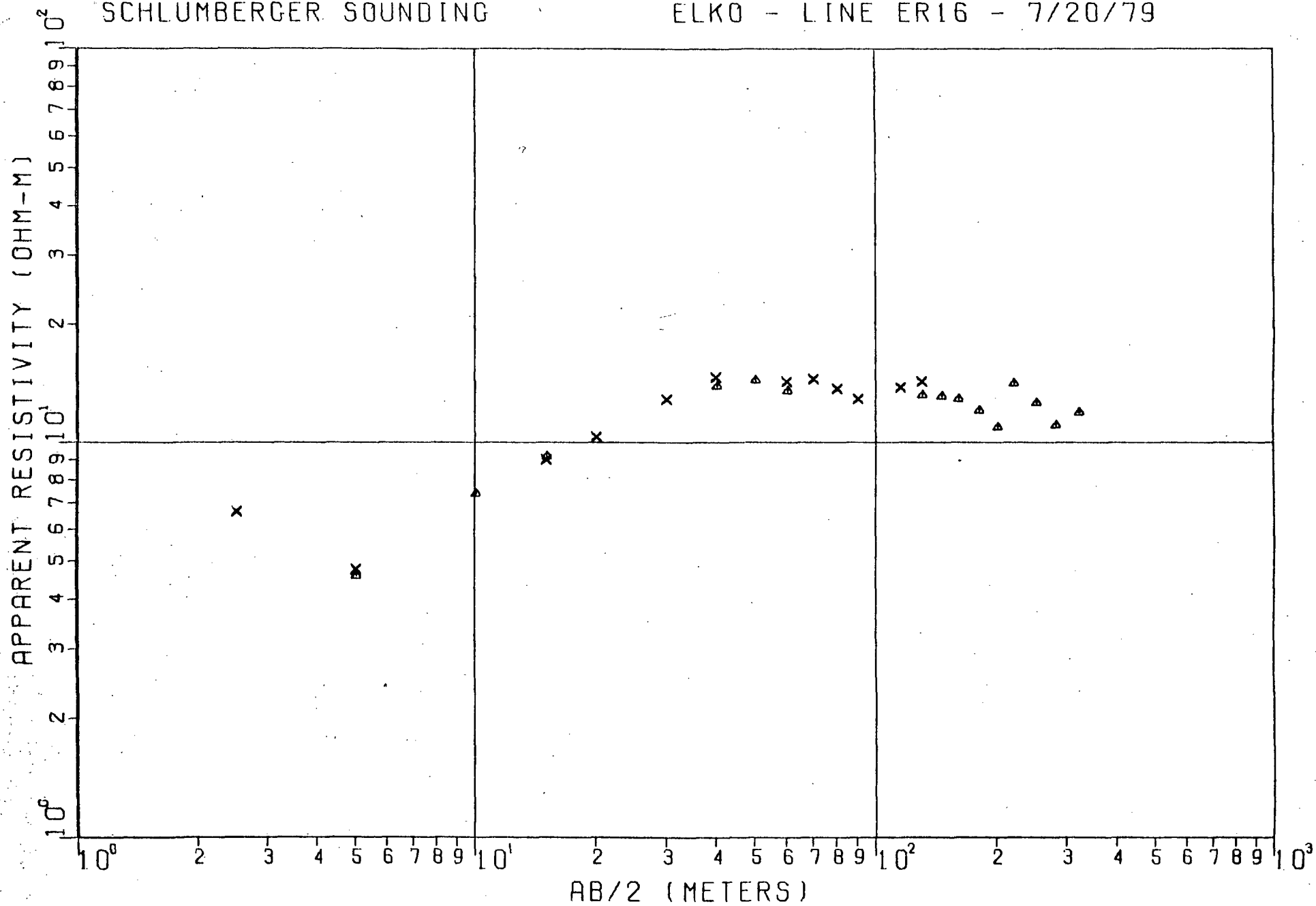


FIGURE 21

SCHLUMBERGER SOUNDING

ELKO - LINE ER17 - 7/20/79

A-38

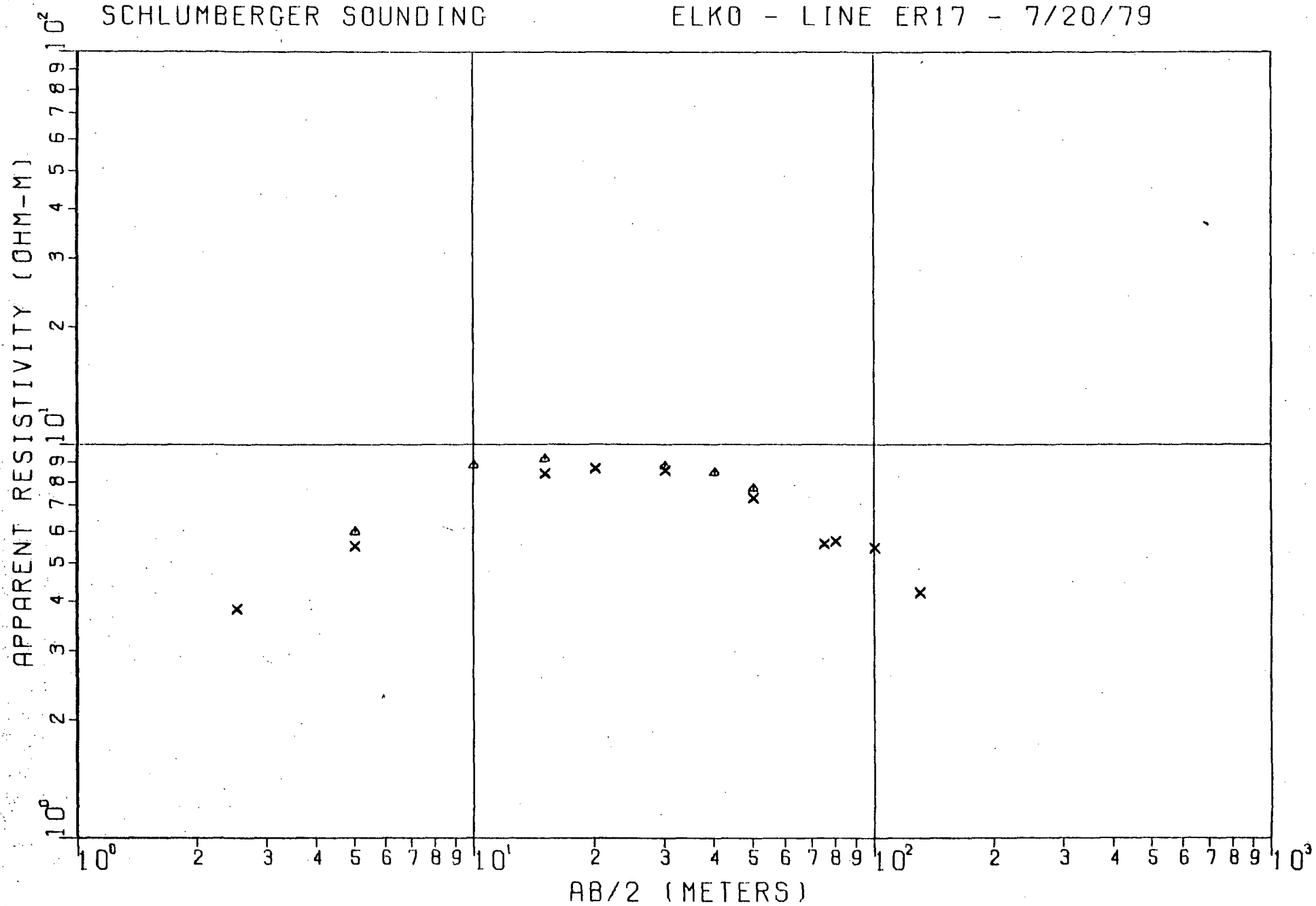


FIGURE 22

A-39

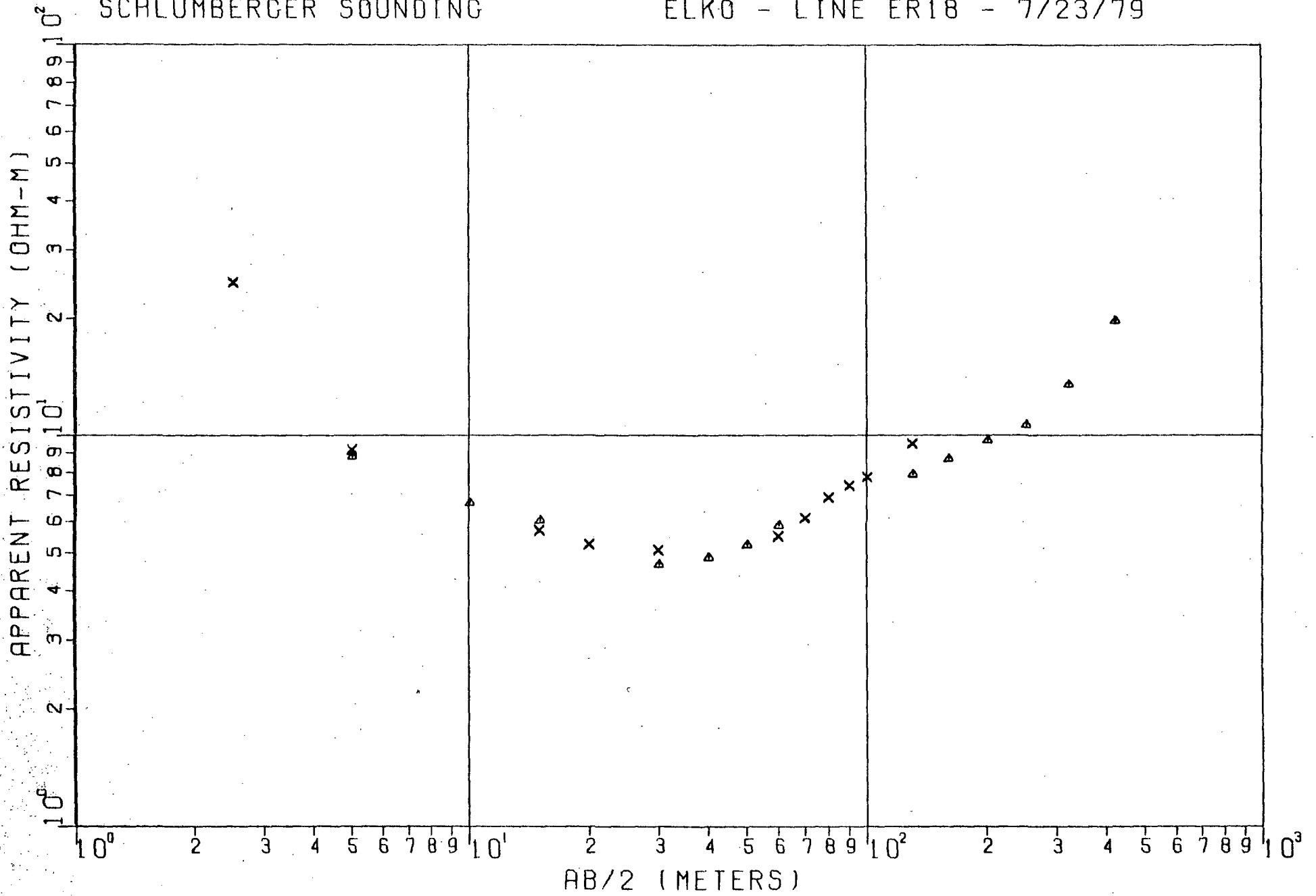


FIGURE 23

FIGURE 24
SCHLUMBERGER SOUNDING ER 1
ELKO, NEVADA
INTERPRETED GEOELECTRIC SECTION

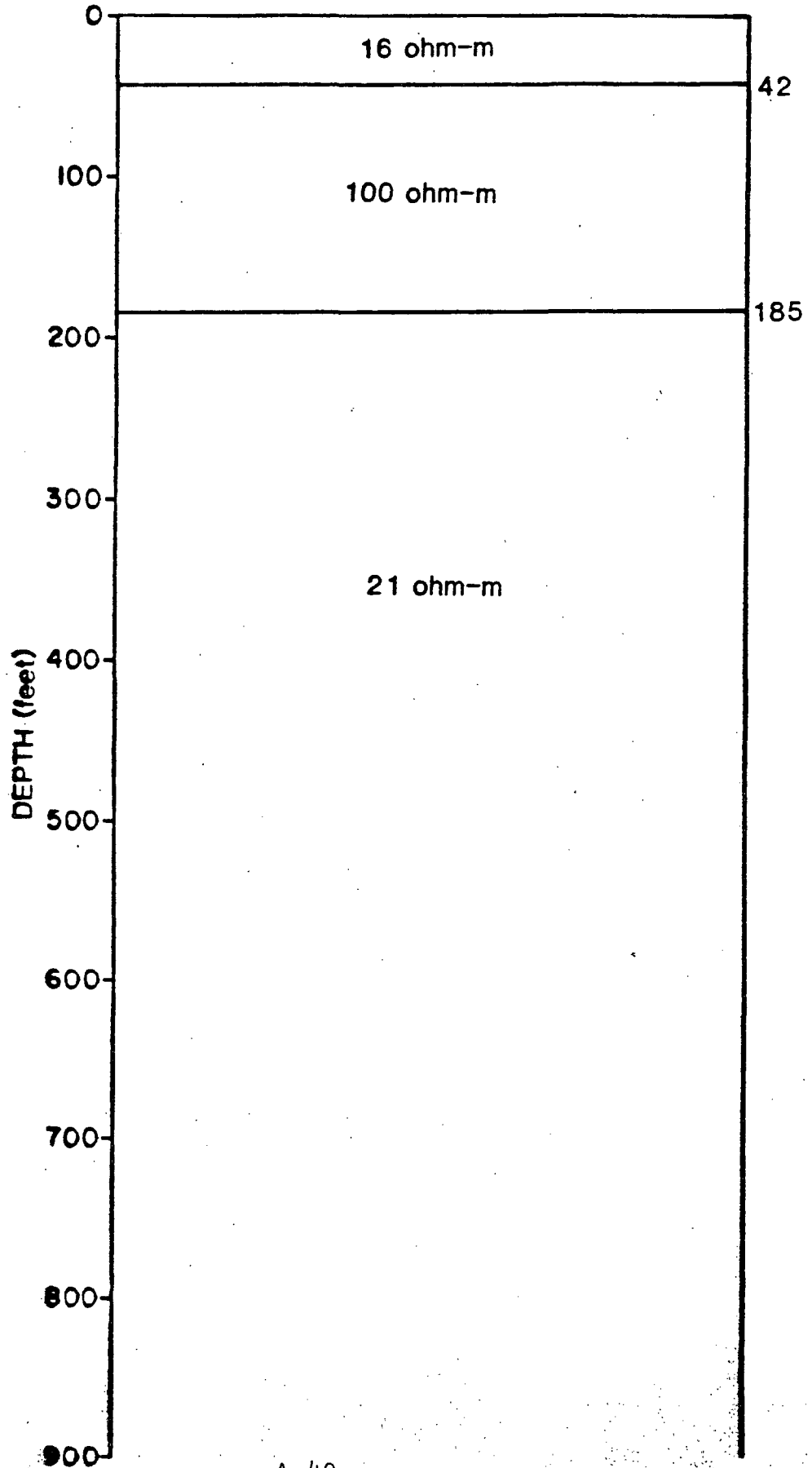


FIGURE 25
SCHLUMBERGER SOUNDING ER 2
ELKO, NEVADA
INTERPRETED GEOELECTRIC SECTION

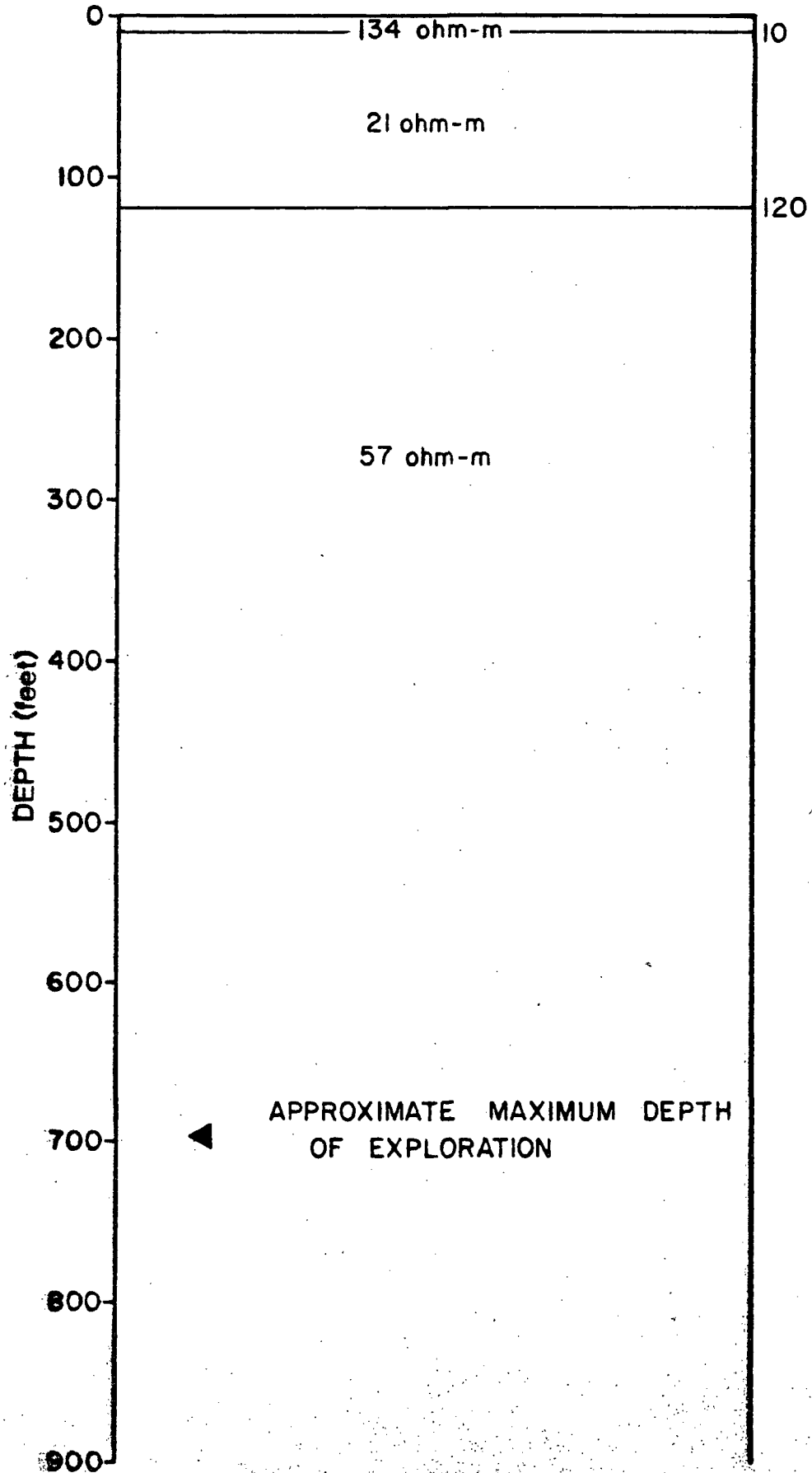


FIGURE 26
SCHLUMBERGER SOUNDING ER 3
ELKO, NEVADA
INTERPRETED GEOELECTRIC SECTION

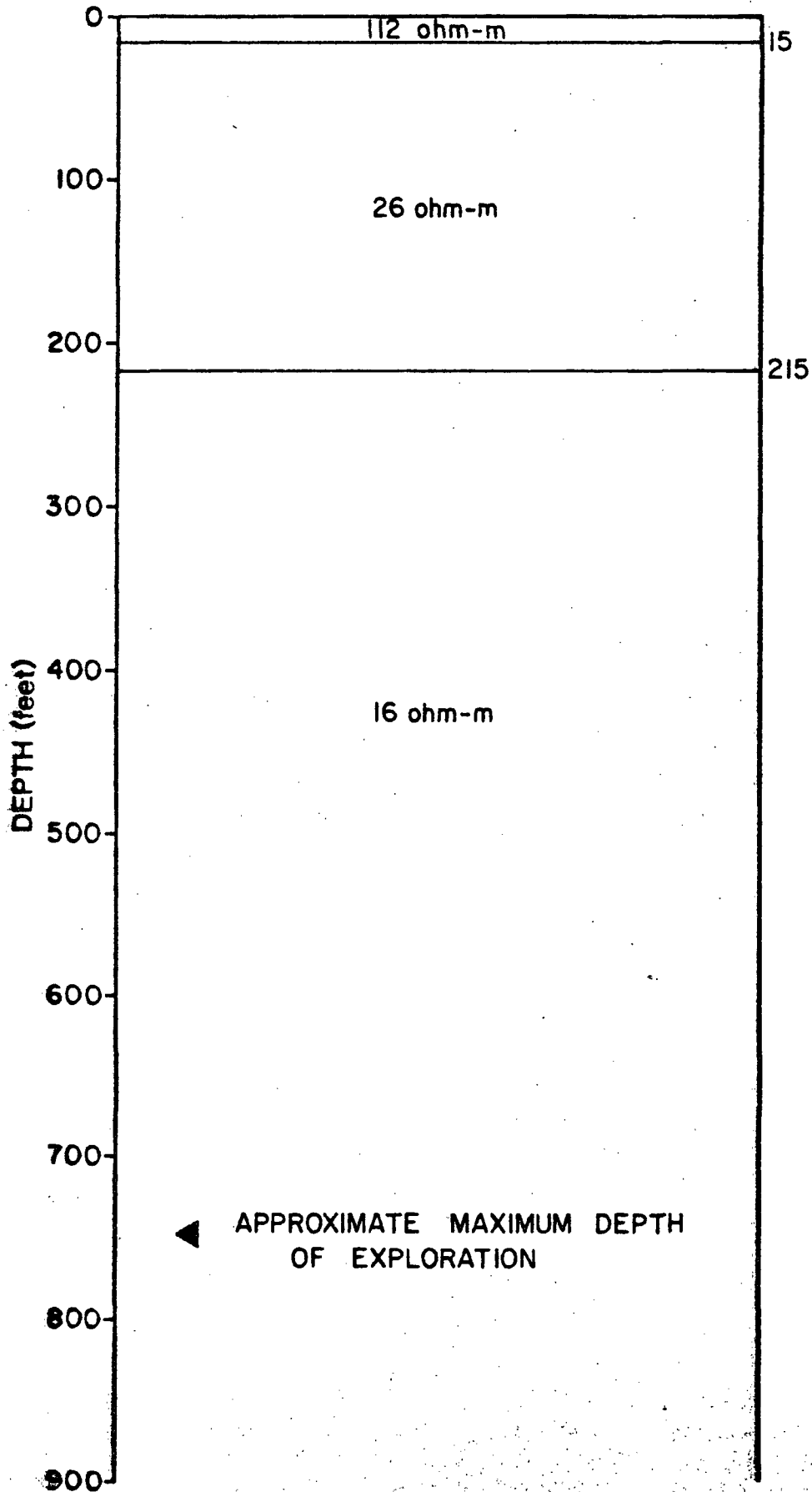


FIGURE 27
SCHLUMBERGER SOUNDING ER 4
ELKO, NEVADA
INTERPRETED GEOELECTRIC SECTION

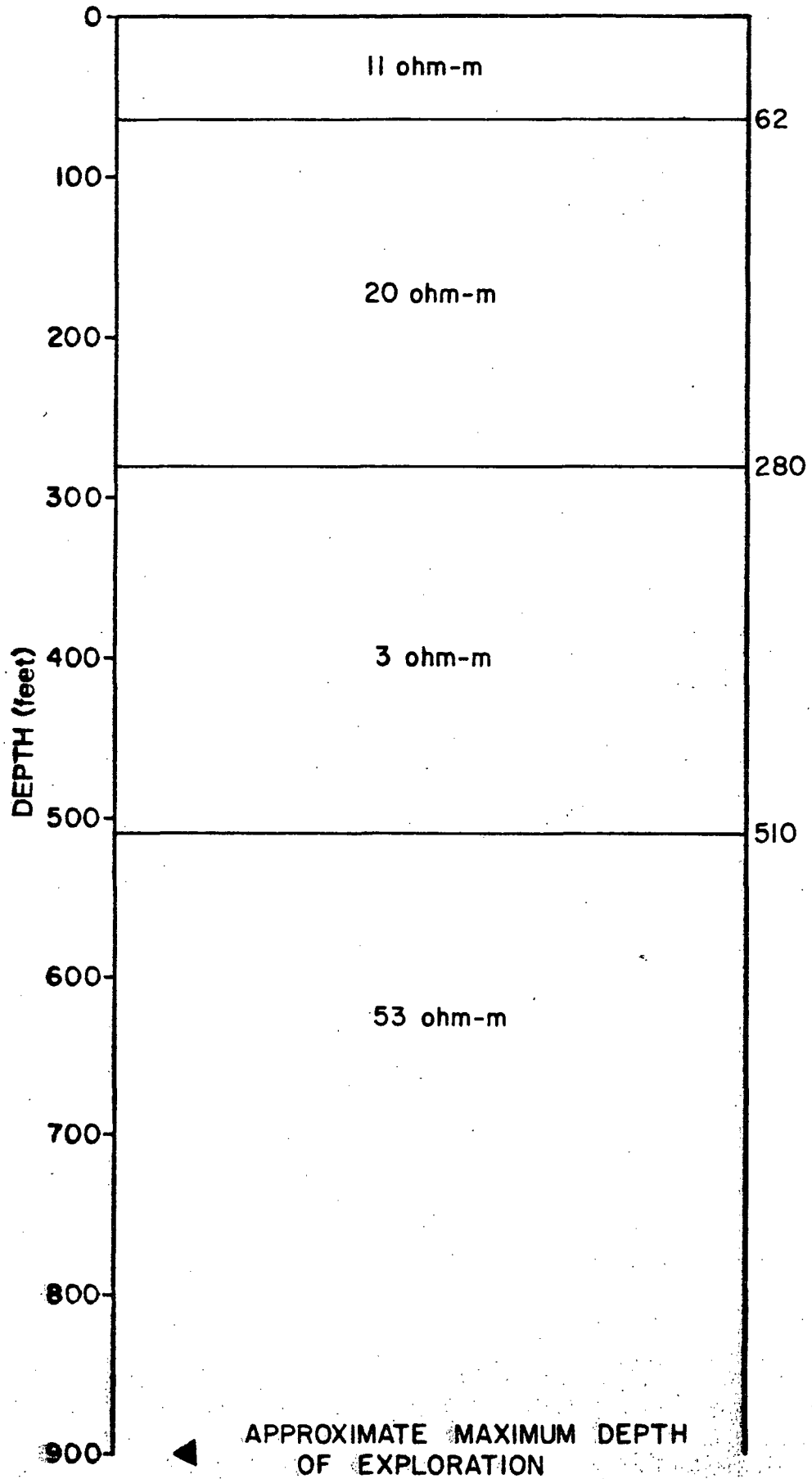


FIGURE 28
SCHLUMBERGER SOUNDING ER 5
ELKO, NEVADA
INTERPRETED GEOELECTRIC SECTION

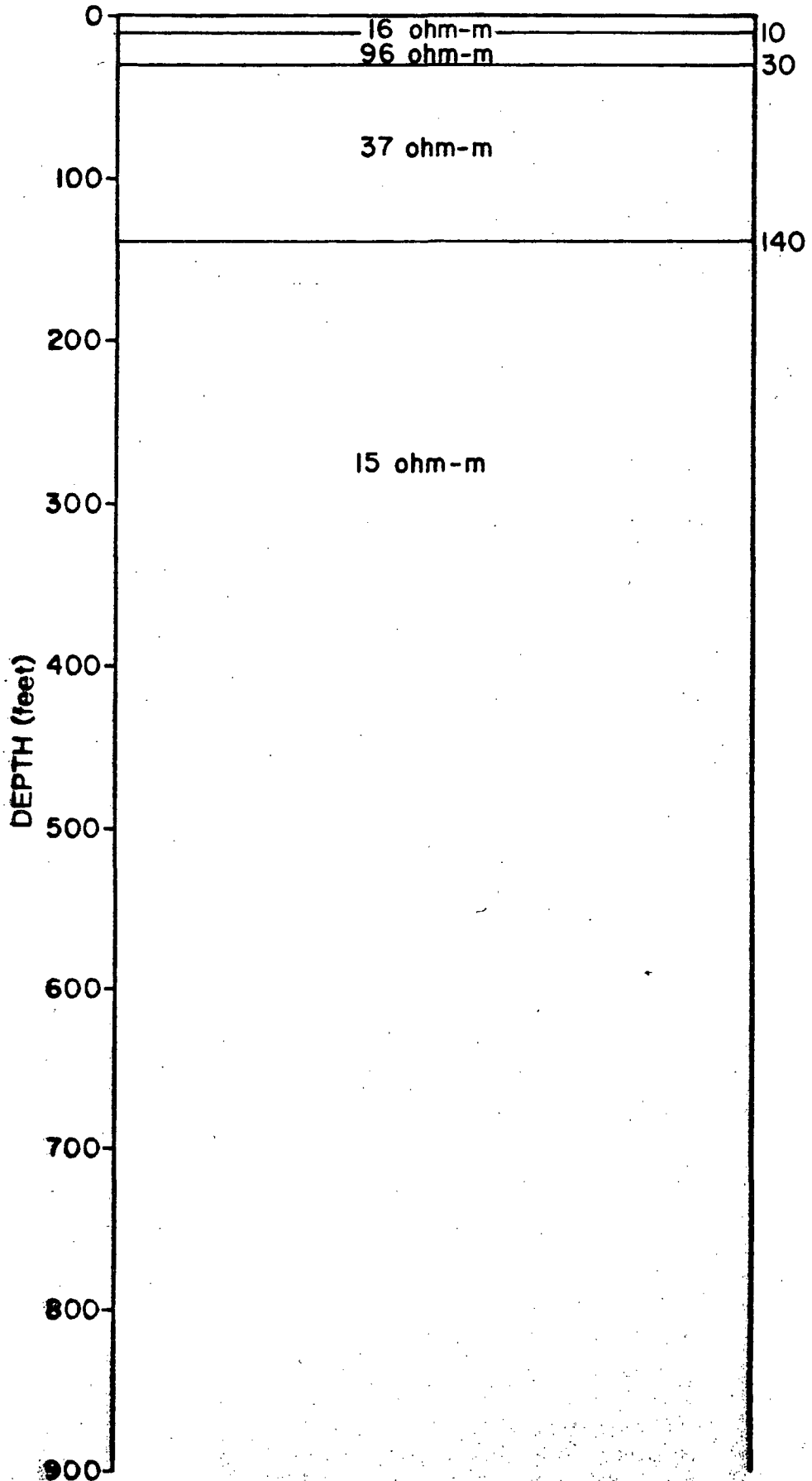


FIGURE 29
SCHLUMBERGER SOUNDING ER 6
ELKO, NEVADA
INTERPRETED GEOELECTRIC SECTION

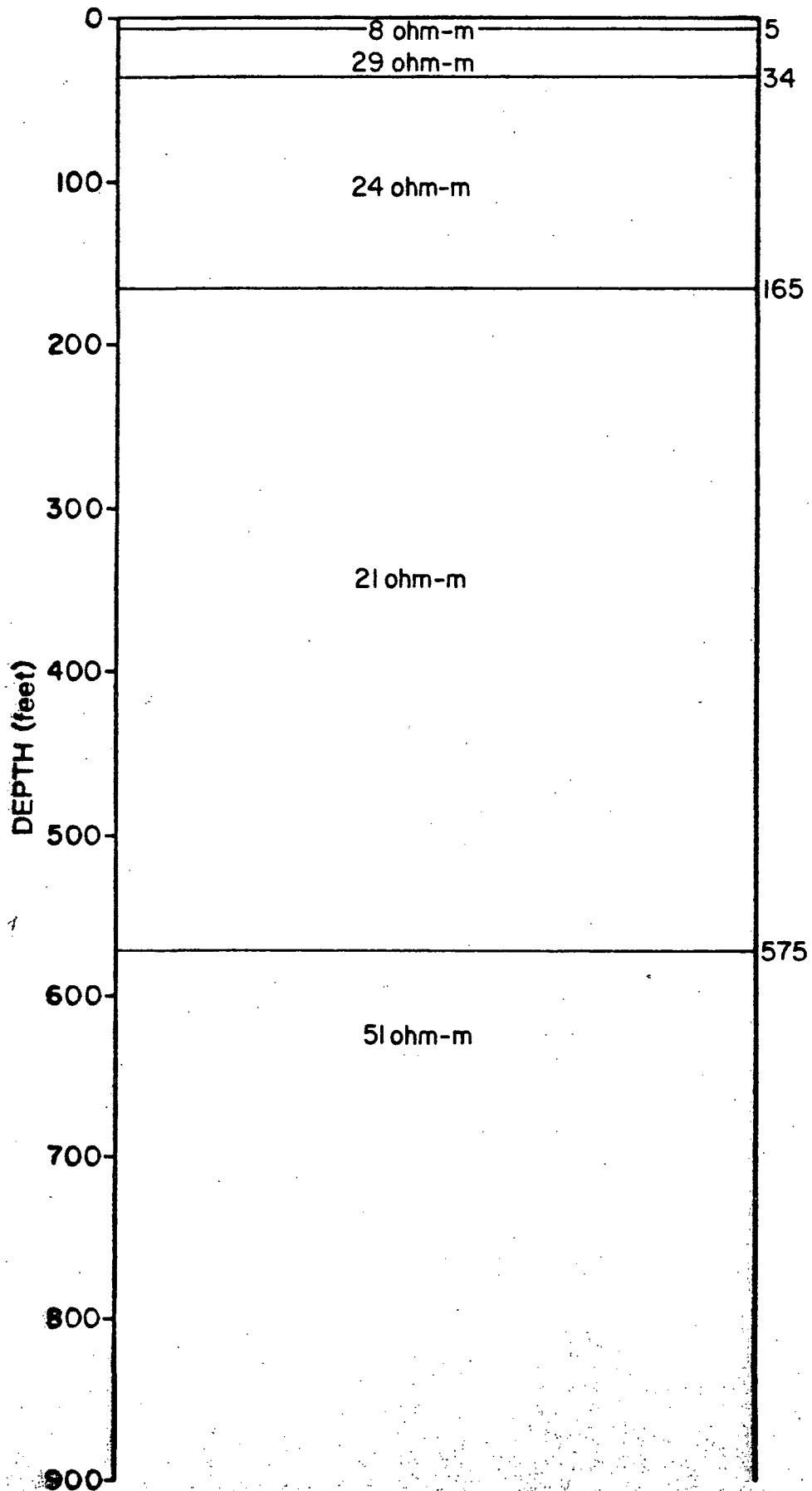


FIGURE 30
SCHLUMBERGER SOUNDING ER 7
ELKO, NEVADA
INTERPRETED GEOELECTRIC SECTION

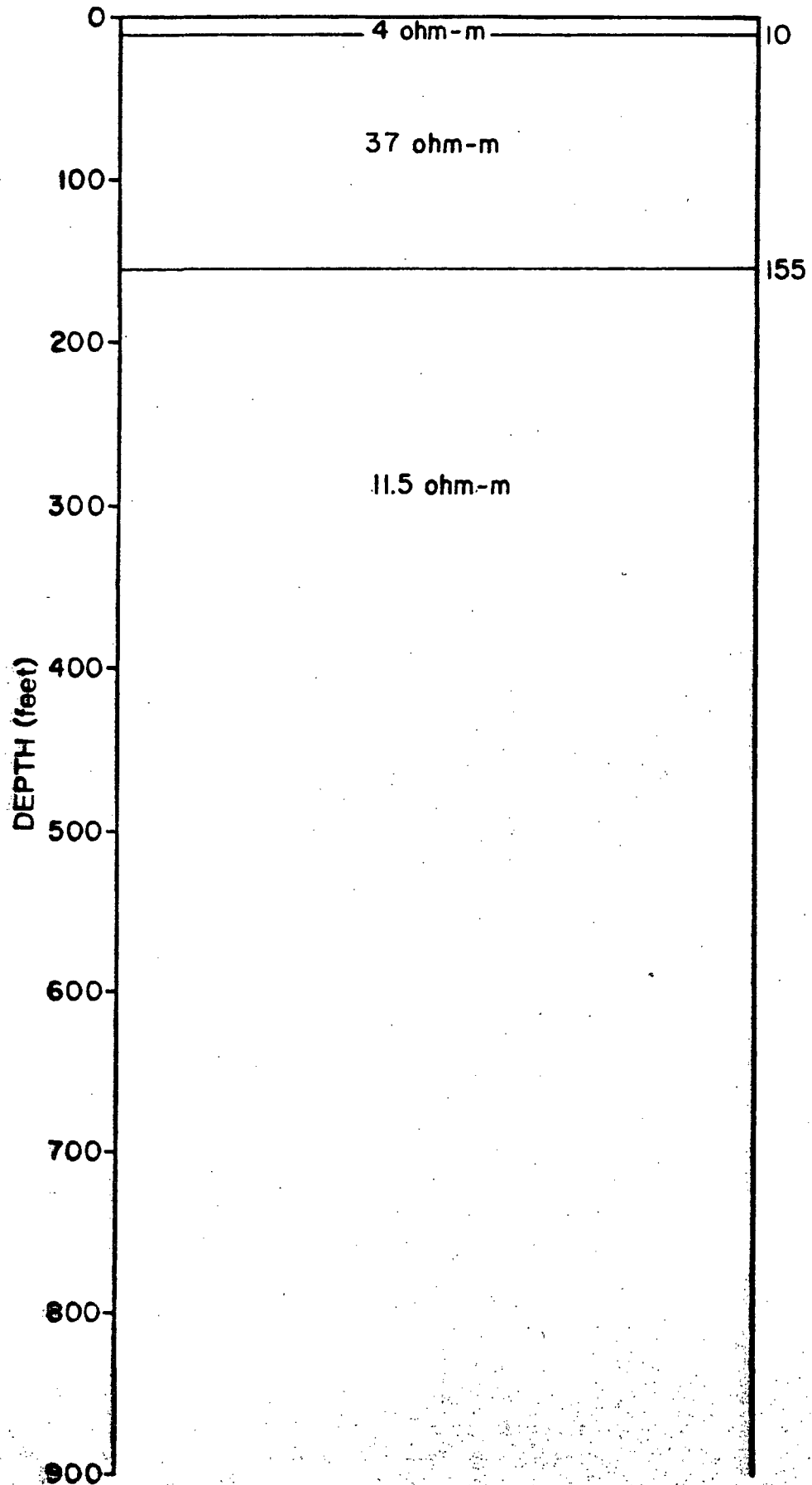


FIGURE 31
SCHLUMBERGER SOUNDING ER 8
ELKO, NEVADA
INTERPRETED GEOELECTRIC SECTION

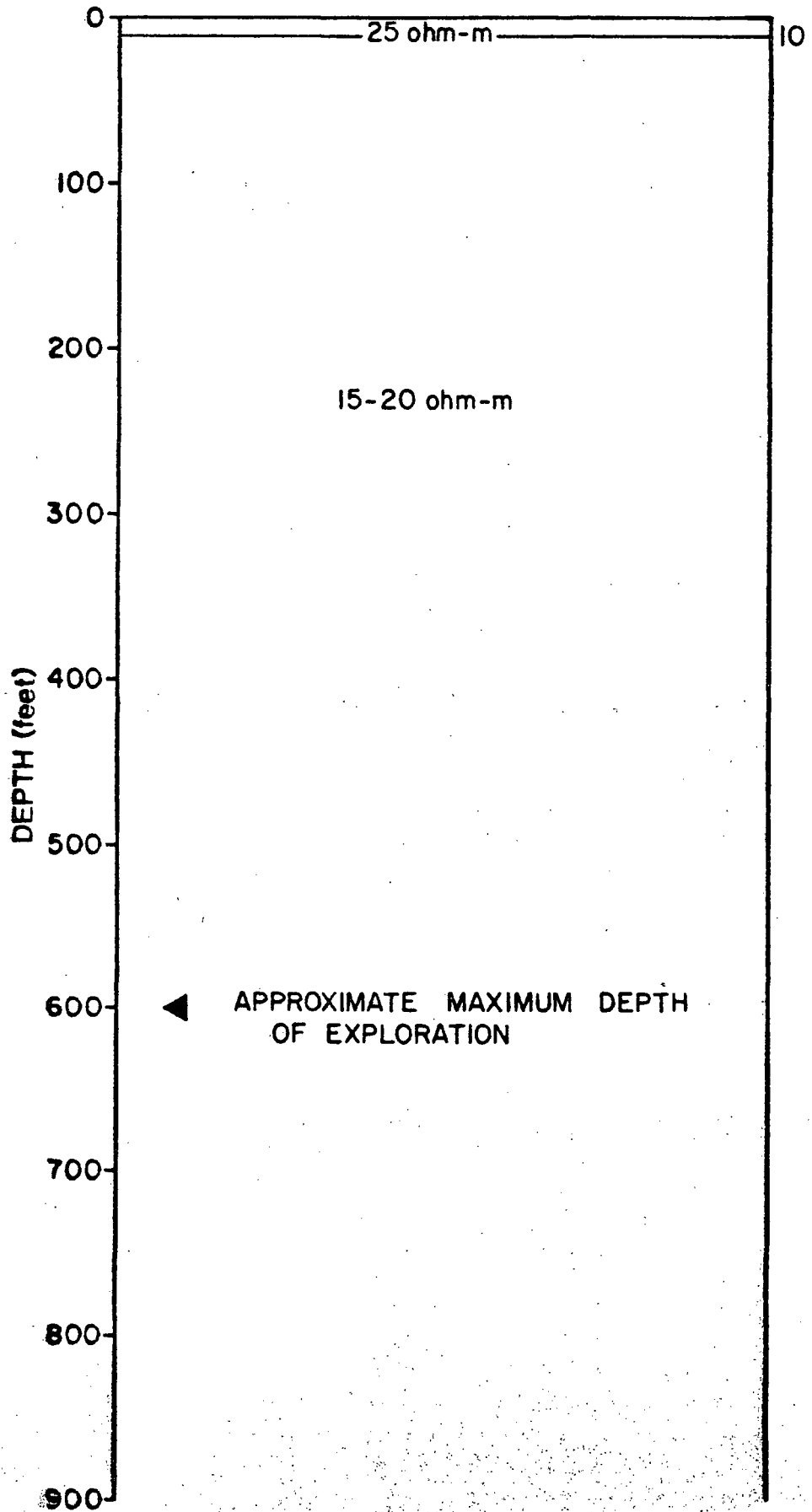


FIGURE 32
SCHLUMBERGER SOUNDING ER 9
ELKO, NEVADA
INTERPRETED GEOELECTRIC SECTION

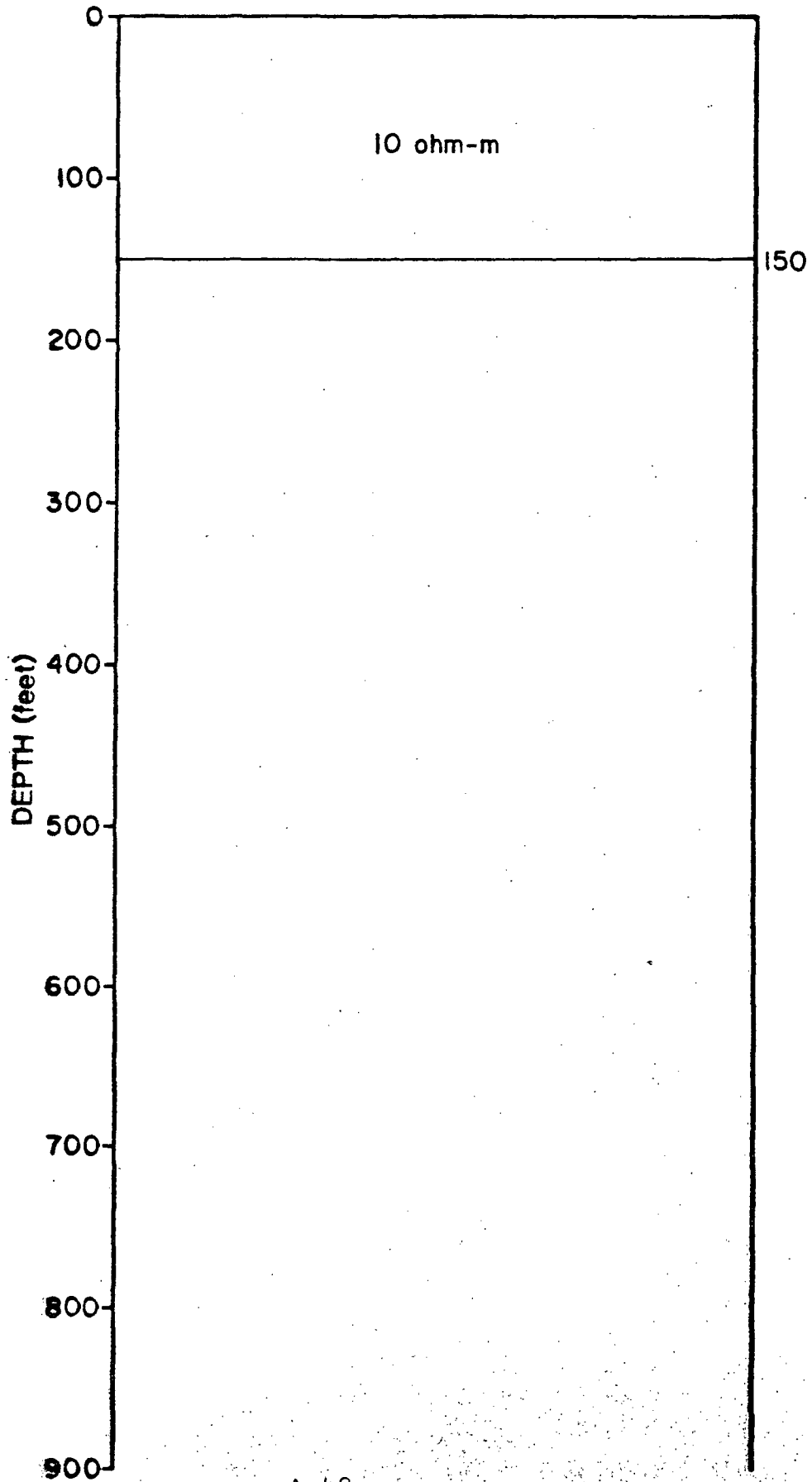


FIGURE 33
SCHLUMBERGER SOUNDING ER 10
ELKO, NEVADA
INTERPRETED GEOELECTRIC SECTION

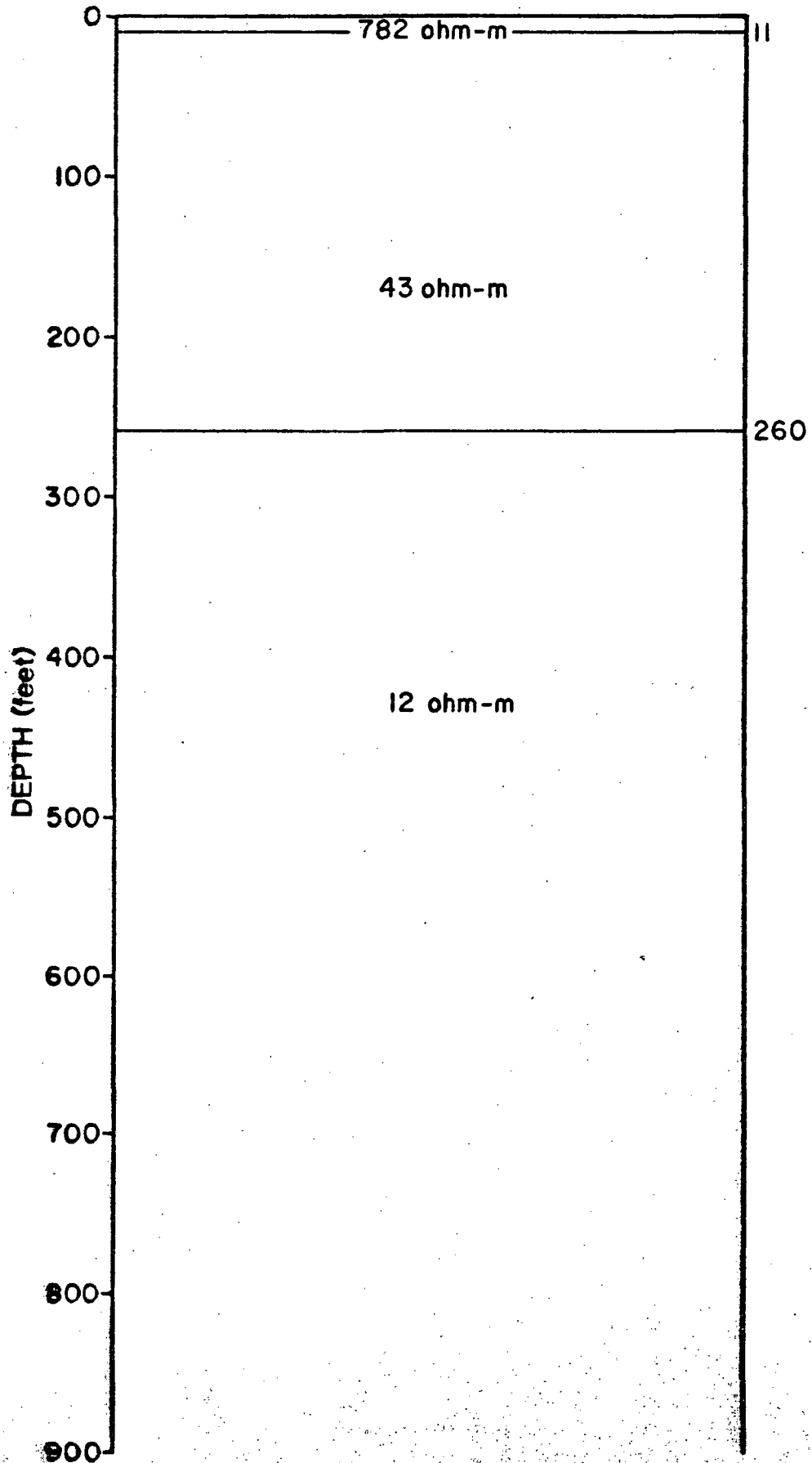


FIGURE 34
SCHLUMBERGER SOUNDING ER II
ELKO, NEVADA
INTERPRETED GEOELECTRIC SECTION

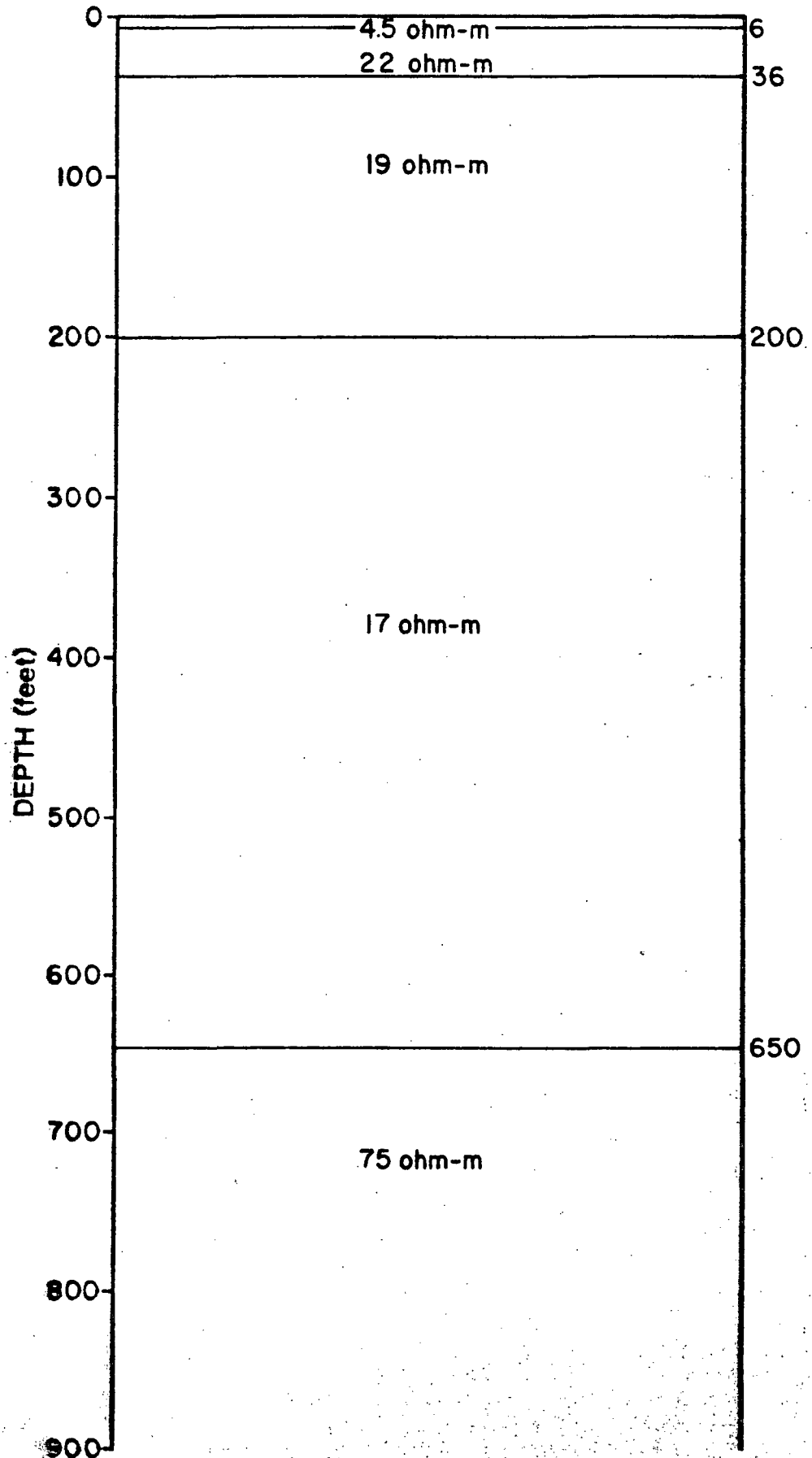


FIGURE 35
SCHLUMBERGER SOUNDING ER 13
ELKO, NEVADA
INTERPRETED GEOELECTRIC SECTION

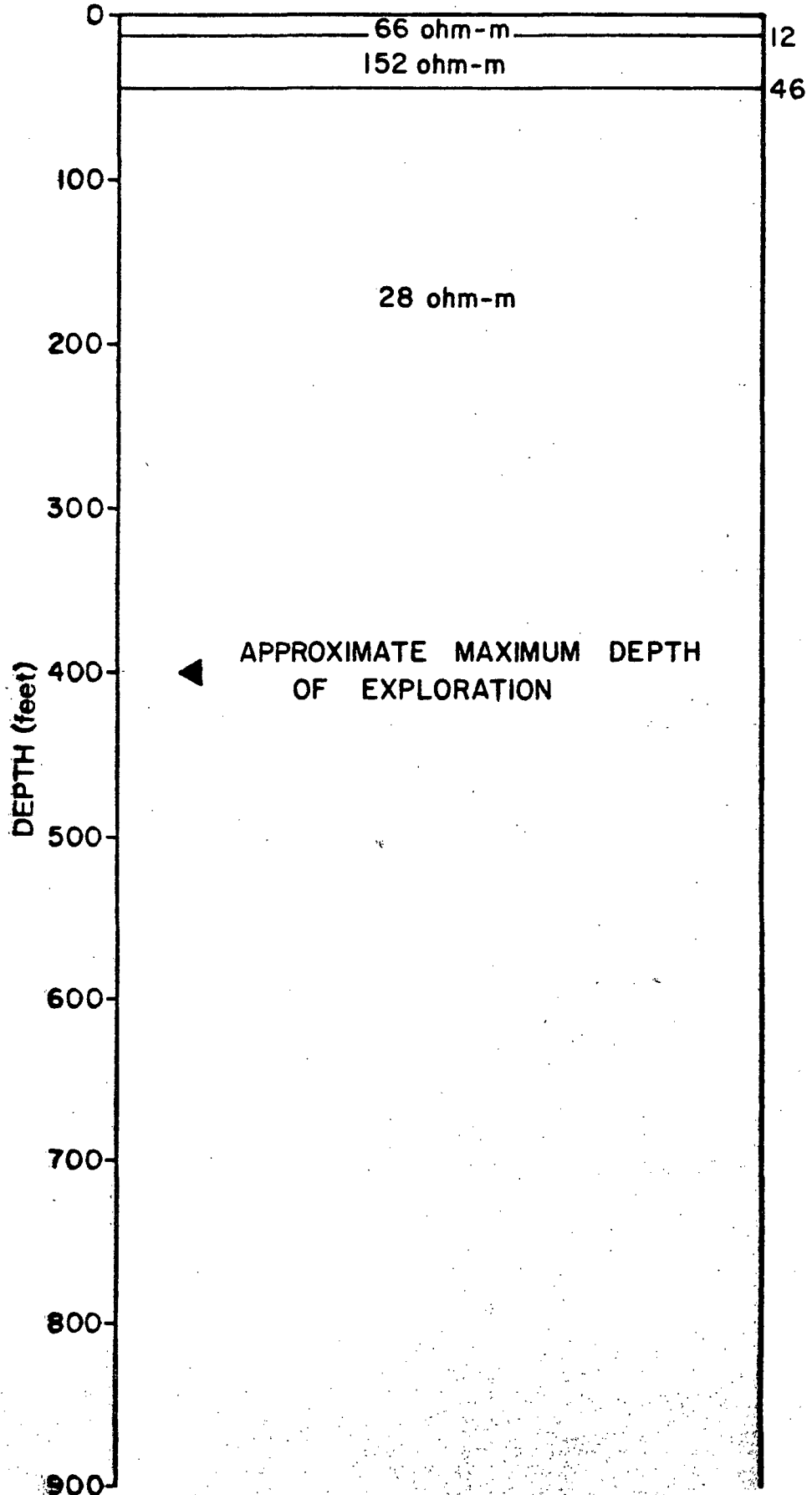


FIGURE 36
SCHLUMBERGER SOUNDING ER 14
ELKO, NEVADA
INTERPRETED GEOELECTRIC SECTION

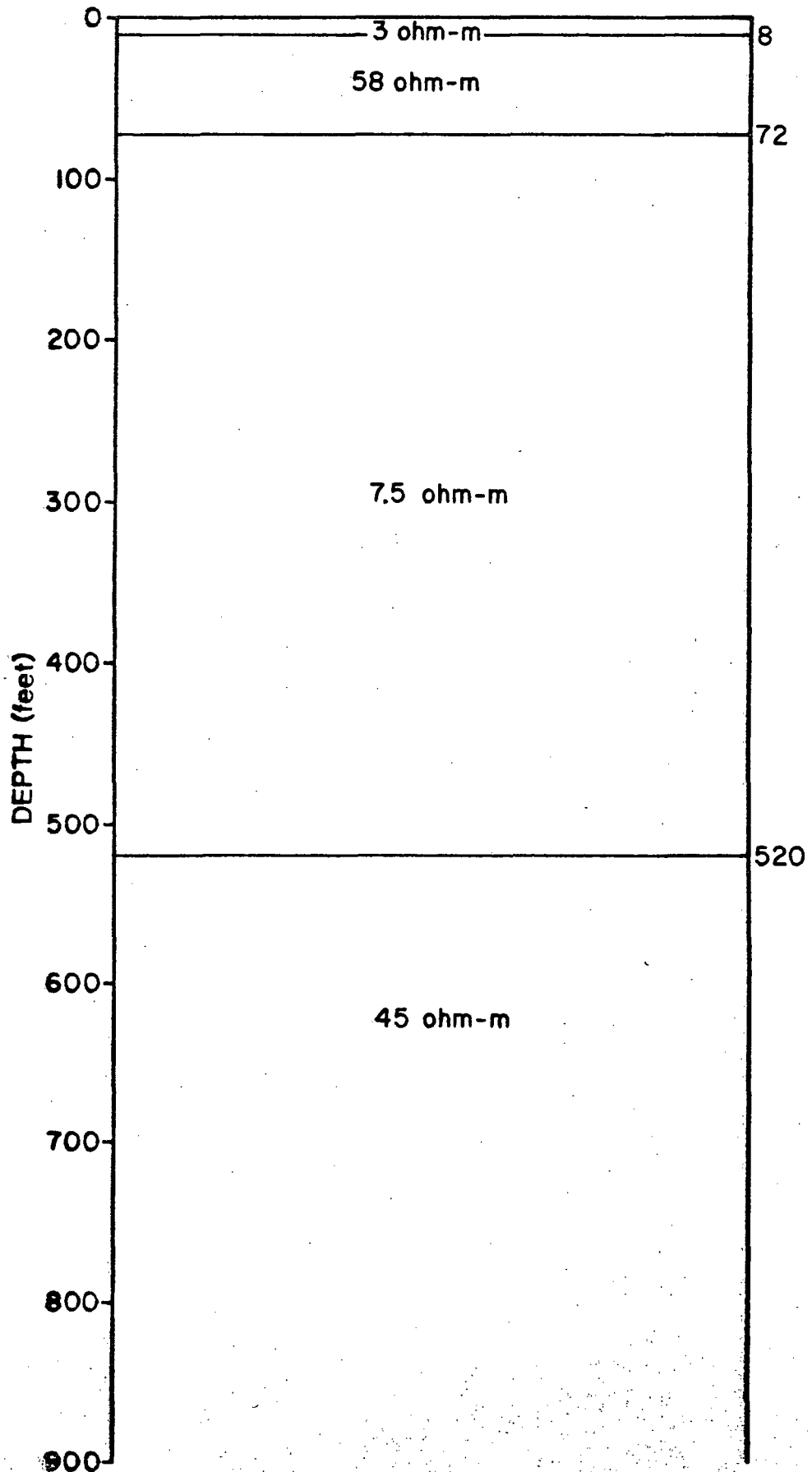


FIGURE 37
SCHLUMBERGER SOUNDING ER 15
ELKO, NEVADA
INTERPRETED GEOELECTRIC SECTION

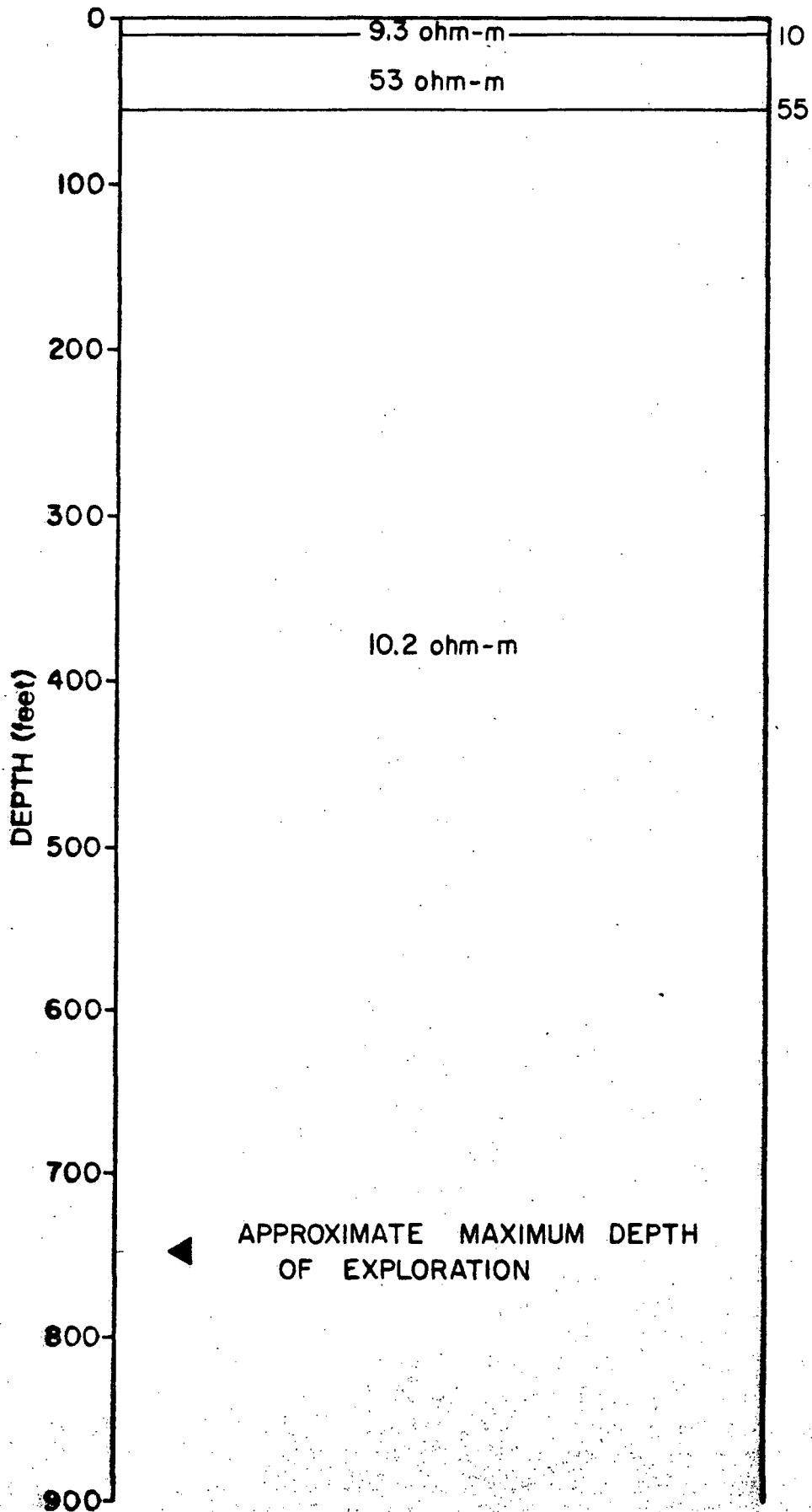


FIGURE 38
SCHLUMBERGER SOUNDING ER 16
ELKO, NEVADA
INTERPRETED GEOELECTRIC SECTION

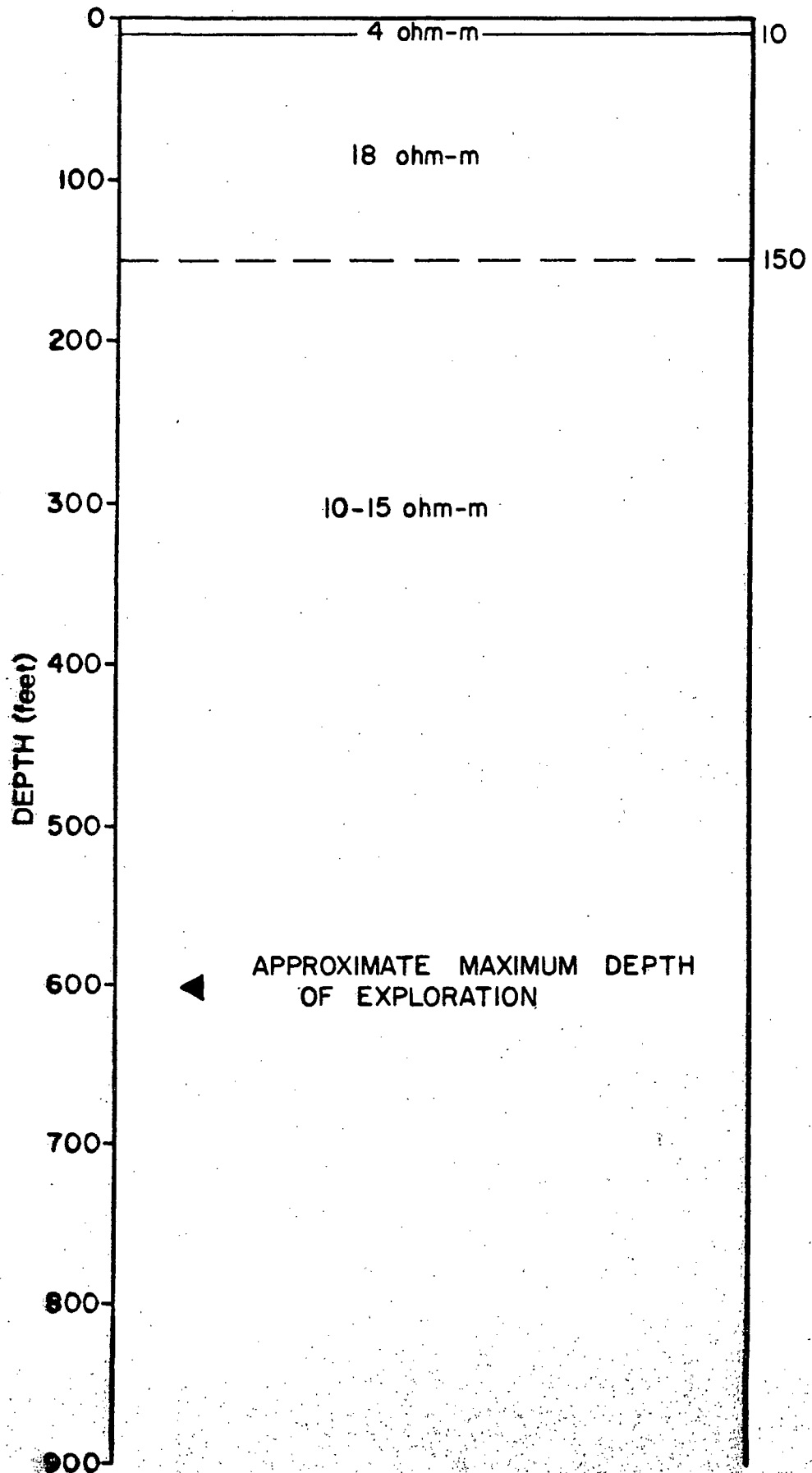


FIGURE 39
SCHLUMBERGER SOUNDING ER 17
ELKO, NEVADA
INTERPRETED GEOELECTRIC SECTION

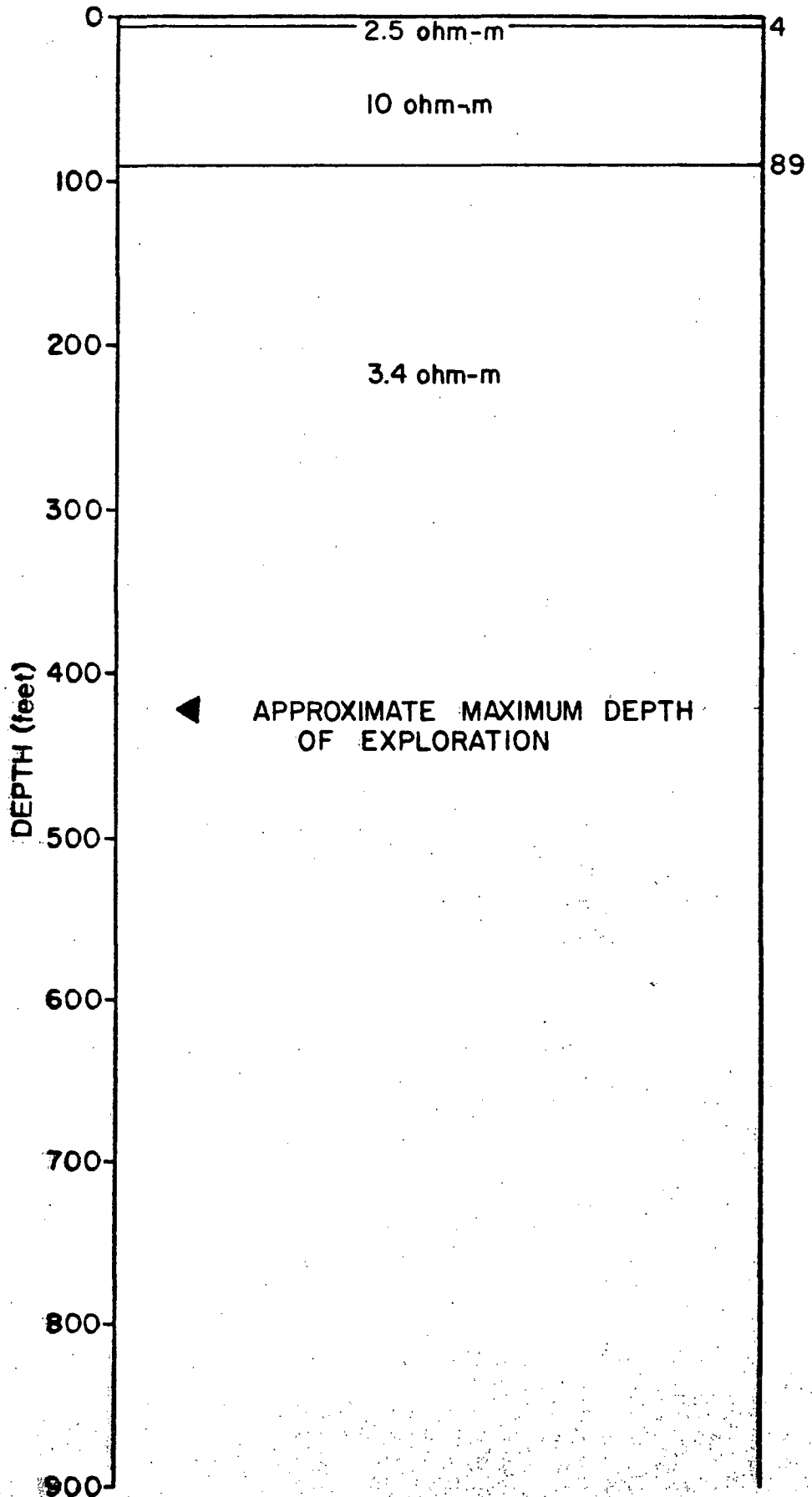


FIGURE 40
SCHLUMBERGER SOUNDING ER 18
ELKO, NEVADA
INTERPRETED GEOELECTRIC SECTION

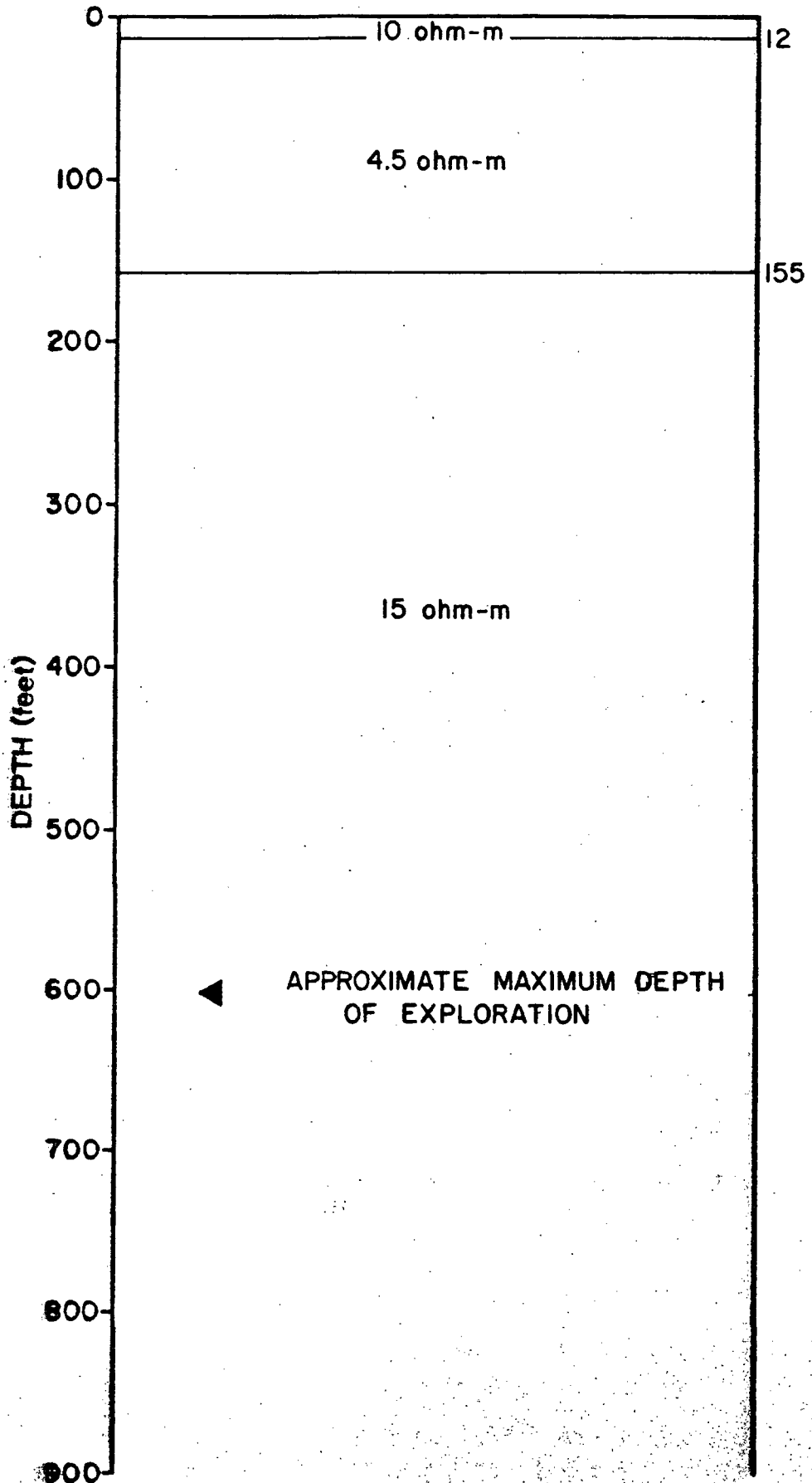


TABLE 5

-CORRECTED SLINGRAM DATA-

ELKO , NEVADA JULY , 1979

LINE NO. SL1 COIL SPACING = 400 FT

FREQ (HZ) STATION NO.	222		444		888		1777		3555	
	REAL	IMAG	REAL	IMAG	REAL	IMAG	REAL	IMAG	REAL	IMAG
200E	105.72	-16.00	95.72	-34.00	68.72	-42.00	44.22	-30.50	42.72	-22.00
250E	106.67	-13.00	100.67	-30.00	75.67	-42.00	48.67	-32.00	49.67	-22.00
300E	110.21	-9.00	106.71	-26.00	81.71	-43.00	50.71	-39.00	43.71	-27.00
350E	107.27	-11.00	102.77	-27.00	80.27	-44.00	48.27	-45.00	33.27	-32.00
400E	111.94	-4.00	113.44	-19.00	96.94	-38.00	65.44	-48.00	44.44	-38.00
450E	112.82	0.00	117.02	-11.30	107.02	-31.00	84.02	-46.00	58.02	-41.00
500E	113.86	5.70	121.86	-2.20	119.86	-21.00	100.86	-42.00	74.86	-44.00
550E	114.11	6.50	121.41	-1.00	123.41	-17.00	107.41	-39.00	83.91	-46.00
600E	112.63	3.00	117.63	-5.00	115.63	-20.00	99.13	-40.00	76.13	-47.00
650E	112.13	1.00	116.13	-6.50	113.63	-21.00	98.63	-40.00	72.63	-51.00
700E	110.31	1.00	114.31	-3.00	115.31	-14.50	106.81	-34.00	87.31	-54.00
750E	113.59	6.00	119.59	4.80	125.59	-1.50	128.59	-17.00	123.59	-44.00
800E	113.45	5.70	118.95	5.00	124.85	0.00	128.95	-14.00	130.95	-39.00
850E	114.45	8.00	118.95	8.00	125.45	6.00	133.45	-1.00	145.45	-20.00
900E	113.95	7.00	117.95	7.80	124.45	8.00	132.45	4.00	147.95	-9.50

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Table 5 (Cont'd)

-CORRECTED SLINGRAM DATA-

ELKO , NEVADA JULY , 1979
 LINE NO. SL2 COIL SPACING = 400 FT

FREQ (HZ) STATION NO.	222		444		888		1777		3555	
	REAL	IMAG	REAL	IMAG	REAL	IMAG	REAL	IMAG	REAL	IMAG
200N	119.13	-4.50	119.13	-31.00	87.13	-55.00	45.13	-48.00	36.13	-28.00
300N	128.00	10.00	142.00	-13.00	124.00	-46.00	80.00	-60.00	53.00	-44.00
400N	136.06	24.00	162.06	3.00	158.06	-42.00	117.06	-79.00	66.06	-80.00
500N	132.24	18.00	150.24	-1.50	145.24	-38.00	113.24	-75.00	58.24	-89.00
600N	128.00	10.00	137.00	-13.00	126.00	-44.00	89.50	-67.00	45.00	-69.00
700N	120.37	-1.00	123.37	-24.00	100.12	-55.00	56.37	-67.00	16.87	-50.00
800N	115.87	-30.00	115.87	-30.00	88.37	-58.00	38.37	-63.00	7.37	-35.00
900N	121.37	-3.00	118.37	-23.00	97.37	-47.00	57.37	-54.00	27.37	-34.00
1000N	118.06	-1.50	120.06	-22.00	98.06	-49.00	58.06	-57.00	21.06	-41.00
1100N	121.00	0.00	125.00	-20.00	105.00	-44.00	70.00	-55.00	40.00	-40.00
1200N	121.37	-2.00	123.37	-24.00	101.87	-50.00	63.37	-59.00	30.37	-44.00
1300N	123.24	-2.00	122.24	-27.00	94.24	-55.00	50.74	-59.00	21.24	-36.00
1400N	121.37	-8.00	115.37	-35.00	79.37	-61.00	30.37	-53.00	16.37	-24.00
1500N	117.74	-12.00	108.24	-38.00	70.24	-58.00	26.24	-43.00	21.24	-17.00
1600N	114.00	-12.00	106.00	-39.00	64.00	-60.00	20.00	-39.00	20.00	-12.80
1700N	115.00	-10.50	108.00	-32.00	75.00	-51.00	33.00	-35.00	33.00	-13.50

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Table 5 (Cont'd)

-CORRECTED SLINGRAM DATA-

ELKO , NEVADA JULY , 1979
 LINE NO. SL3 COIL SPACING = 600 FT

FREQ (HZ) STATION NO.	222		444		888		1777		3555	
	REAL	IMAG	REAL	IMAG	REAL	IMAG	REAL	IMAG	REAL	IMAG
300E	*****	*****	35.24	-37.00	25.24	-24.00	*****	-9.00	*****	1.00
400E	48.24	-50.00	*****	*****	28.24	-27.00	*****	*****	6.24	-11.00
500E	39.06	-25.00	55.06	-22.00	30.06	-30.00	.06	-20.00	2.06	-6.00
600E	0.00	8.00	15.00	15.00	0.00	4.00	0.00	8.00	4.00	10.00
700E	*****	-80.00	*****	-42.00	*****	-24.00	*****	4.00	*****	23.00
800E	93.00	-7.00	65.00	-27.00	65.00	-33.00	45.00	-24.00	47.50	-22.00
900E	98.00	-22.00	113.00	-25.00	65.00	-35.00	37.00	-35.00	32.00	-26.00
1000E	*****	*****	*****	-45.00	*****	-8.00	*****	5.00	*****	30.00
1100E	54.00	-24.00	55.00	-20.00	44.00	-27.00	10.00	-13.00	27.00	-5.00
1200E	65.00	-24.00	60.00	-15.00	62.00	-12.00	56.00	-14.00	50.00	-13.00
1300E	185.00	-3.00	185.00	-54.00	167.50	-48.00	126.00	-44.00	115.00	-6.00
1400E	58.00	-7.00	62.00	-16.00	48.00	-85.00	40.00	-80.00	30.00	-85.00
1500E	76.00	-65.00	95.00	-36.00	40.00	-35.00	25.00	-15.00	20.00	-10.00
1600E	*****	-80.00	6.00	18.00	0.00	30.00	30.00	15.00	25.00	13.00
1700E	*****	-5.00	*****	5.00	15.00	43.00	31.00	22.00	33.00	0.00
1800E	80.00	18.00	100.00	-20.00	60.00	-50.00	30.00	-40.00	0.00	-30.00
1900E	15.00	50.00	42.00	35.00	50.00	*****	30.00	-33.00	5.00	-15.00
2000E	0.00	70.00	45.00	15.00	40.00	3.00	23.00	-4.00	20.00	-8.00
2100E	*****	*****	*****	*****	*****	*****	*****	*****	*****	-70.00
2200E	*****	-80.00	*****	*****	65.00	*****	*****	*****	*****	-30.00
2300E	*****	-2.00	*****	*****	200.00	-70.00	*****	*****	*****	-60.00
2400E	*****	-30.00	25.00	19.00	*****	25.00	40.00	17.00	80.00	-13.00

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Table 5 (Cont'd)

-CORRECTED SLINGRAM DATA-

ELKO , NEVADA JULY , 1979
 LINE NO. SL4 COIL SPACING = 400 FT

FREQ (HZ) STATION NO.	222		444		888		1777		3555	
	REAL	IMAG	REAL	IMAG	REAL	IMAG	REAL	IMAG	REAL	IMAG
200E	127.00	-19.00	114.50	-45.00	77.00	-62.00	35.00	-56.00	15.00	-39.00
250E	125.00	-20.00	109.00	-47.00	73.00	-60.00	34.00	-52.00	17.00	-35.00
300E	122.01	-24.00	104.01	-49.00	65.01	-58.00	30.01	-48.00	15.01	-33.00
350E	123.01	-24.00	103.51	-49.00	65.01	-57.00	31.01	-48.00	17.01	-34.00
400E	124.00	-24.00	105.00	-47.00	69.00	-55.00	38.00	-46.00	22.00	-35.00
450E	128.01	-20.00	109.51	-45.00	75.01	-52.00	46.01	-46.00	31.01	-37.00
500E	134.06	-24.00	111.06	-50.00	74.06	-56.00	46.06	-50.00	25.06	-42.00
550E	90.63	-32.50	69.13	-47.00	39.13	-45.00	17.13	-33.00	6.13	-25.00
600E	93.65	-35.00	65.65	-49.00	32.65	-40.00	17.65	-25.00	11.65	-20.00
650E	100.57	-32.00	74.07	-49.00	40.57	-38.50	24.07	-23.00	23.07	-21.00
700E	110.48	-25.00	84.48	-46.00	57.48	-40.00	36.48	-24.00	38.48	-24.00
750E	114.48	-23.00	93.48	-43.00	66.48	-34.00	47.48	-26.00	46.48	-23.00
800E	114.48	-20.00	99.48	-32.00	76.48	-37.00	53.48	-21.00	51.48	-20.00
850E	110.48	-11.00	95.98	-30.00	59.48	-27.00	45.48	-27.00	33.48	-21.00
900E	94.20	-15.00	96.20	-15.00	74.20	-25.00	44.20	-24.00	31.20	-23.00

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Table 5 (Cont'd)

-CORRECTED SLINGRAM DATA-

ELKO , NEVADA JULY , 1979
 LINE NO. SL5 COIL SPACING = 200 FT

FREQ (HZ) STATION NO.	222		444		888		1777		3555	
	REAL	IMAG	REAL	IMAG	REAL	IMAG	REAL	IMAG	REAL	IMAG
100W	123.54	10.00	130.54	4.00	130.54	-5.00	124.54	-12.80	125.54	-13.20
150W	116.00	7.50	123.00	2.00	120.00	-6.00	116.50	-13.30	116.00	-15.50
200W	115.50	9.50	125.00	4.50	126.00	-7.50	123.00	-18.00	116.50	-27.00
250W	118.54	9.00	127.54	1.50	126.54	-13.50	116.04	-28.00	103.54	-37.00
300W	120.45	7.00	128.95	-4.20	125.95	-20.00	109.45	-37.00	91.45	-45.00
350W	117.73	3.00	123.73	-9.00	115.23	-27.00	95.23	-43.00	73.73	-48.00
400W	116.70	4.00	124.20	-5.20	117.70	-22.00	101.20	-37.00	81.70	-42.00
450W	114.37	4.00	120.87	-6.00	116.37	-23.00	98.87	-39.00	80.37	-46.00
500W	114.04	6.00	122.54	-2.50	121.54	-21.00	103.79	-40.00	84.24	-48.00
550W	113.04	5.70	120.34	-1.70	122.54	-19.50	108.34	-38.00	85.54	-47.50
600W	111.80	5.00	119.50	-.30	123.00	-16.90	109.80	-37.00	86.70	-49.00
650W	110.20	7.00	118.00	3.00	125.00	-10.60	116.50	-32.00	97.00	-50.00
700W	109.37	7.00	117.87	5.00	128.37	-7.80	125.37	-34.00	104.87	-62.00
750W	109.37	8.80	116.77	8.20	127.37	.50	132.37	-19.50	123.87	-47.00
800W	105.80	7.30	112.30	8.00	122.00	3.10	132.00	-13.00	129.00	-39.00
850W	106.50	7.00	112.70	8.40	123.00	4.80	129.00	-7.00	130.00	-28.00
900W	105.20	6.40	110.40	8.00	119.00	5.00	127.00	-29.00	129.00	-25.00
950W	104.40	6.20	109.90	8.00	118.40	6.20	127.00	-3.50	131.00	-23.00
1000W	104.93	5.20	109.93	7.50	118.13	6.20	127.13	-3.00	131.13	-22.00
1050W	104.13	4.80	108.13	6.00	115.93	4.20	124.13	-5.80	128.13	-26.00
1100W	103.30	4.60	107.80	6.60	116.00	6.00	126.00	-2.50	131.00	-24.00

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Table 5 (Cont'd)

-CORRECTED SLINGRAM DATA-

ELKO , NEVADA JULY , 1979
 LINE NO. SL6 COIL SPACING = 400 FT

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FREQ (HZ) STATION NO.	222		444		888		1777		3555	
	REAL	IMAG	REAL	IMAG	REAL	IMAG	REAL	IMAG	REAL	IMAG
200W	123.00	2.00	128.00	-13.50	121.00	-37.00	89.00	-64.00	46.00	-72.00
300W	128.00	2.00	133.00	-16.00	122.00	-38.00	96.00	-62.00	55.00	-71.00
400W	128.00	-6.50	125.00	-28.00	102.50	-50.00	67.00	-61.00	35.00	-57.00
500W	126.00	-16.00	113.50	-42.00	79.00	-57.00	44.00	-51.00	24.00	-40.00
600W	122.00	-22.00	102.00	-52.00	59.00	-58.00	29.00	-42.00	20.00	-30.00
700W	118.00	-30.00	90.00	-55.00	48.00	-55.00	20.00	-36.00	15.00	-26.00
800W	114.00	-30.00	89.00	-52.00	52.00	-49.00	29.00	-35.00	19.00	-28.00

Table 5 (Cont'd)

-CORRECTED SLINGRAM DATA-

ELKO , NEVADA JULY , 1979
 LINE NO. SL7 COIL SPACING = 400.FT

FREQ (HZ) STATION NO.	222		444		888		1777		3555	
	REAL	IMAG	REAL	IMAG	REAL	IMAG	REAL	IMAG	REAL	IMAG
700W	107.00	11.20	115.20	14.00	127.00	13.00	141.00	4.00	158.00	-23.00
750W	108.40	11.20	116.50	14.30	128.00	13.30	143.00	4.50	160.00	-22.00
800W	107.60	11.90	116.10	14.90	127.00	13.30	143.00	4.20	160.00	-22.00
850W	109.10	11.10	117.80	13.20	129.00	11.00	144.00	-1.00	155.00	-33.50
900W	108.80	11.00	117.00	12.90	129.00	8.80	142.00	-4.30	154.00	-40.00
950W	109.70	9.70	118.00	10.30	128.00	4.00	140.00	-15.00	142.00	-55.00
1000W	109.80	9.20	118.20	8.90	129.00	2.00	138.00	-19.00	135.00	-63.00
1050W	104.10	2.90	117.10	6.10	125.00	-3.80	130.00	-29.00	119.00	-70.00
1100W	109.00	6.00	116.00	2.70	123.00	-9.80	123.00	-37.00	102.50	-75.00
1150W	109.10	6.60	116.30	3.60	124.00	-9.00	125.00	-37.00	102.50	-78.00
1200W	108.10	6.00	115.50	2.70	123.00	-10.00	122.00	-39.00	97.00	-81.00
1250W	109.00	7.60	117.60	6.10	127.00	-4.80	131.00	-32.00	109.70	-77.00
1300W	108.00	9.00	117.00	8.80	128.00	-1.80	133.00	-30.00	115.50	-71.00
1350W	109.00	8.80	118.00	9.00	130.00	0.00	135.00	-27.00	120.00	-67.00
1400W	109.00	10.20	118.00	11.50	131.00	4.30	141.00	-20.00	131.00	-59.00
1450W	108.00	10.20	117.50	11.40	130.00	3.50	138.00	-22.00	128.00	-62.00
1500W	108.30	9.00	117.20	9.00	128.00	-.50	135.00	-27.00	120.00	-69.00
1550W	108.80	8.20	117.20	8.00	128.00	-2.00	134.00	-28.00	120.00	-70.00
1600W	108.00	7.40	116.20	6.30	125.00	-25.00	130.00	-30.00	111.80	-74.00
1650W	107.06	7.00	114.96	5.00	124.06	-6.50	127.06	-32.00	109.06	-73.00
1700W	107.80	8.00	116.20	7.50	127.00	-1.00	134.00	-26.00	123.00	-69.00
1750W	107.20	8.00	115.80	8.10	127.00	.70	134.00	-22.00	126.00	-65.00
1800W	106.60	6.00	114.00	4.90	121.00	-6.00	124.00	-30.00	109.00	-69.00
1850W	106.60	7.70	114.20	8.30	125.00	1.00	133.00	-19.00	129.00	-56.00
1900W	107.50	8.60	115.30	10.10	127.00	5.40	137.50	-11.80	142.00	-47.00
1950W	107.80	10.00	116.00	12.70	129.00	10.20	143.00	-4.30	154.00	-39.00
2000W	106.00	9.90	114.20	13.00	128.00	10.20	142.00	-4.20	153.00	-40.00
2050W	108.00	8.50	115.60	10.00	128.00	5.80	138.00	-12.50	141.00	-49.00

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FIGURE 41
SLINGRAM LINE SL1
ELKO, NEVADA

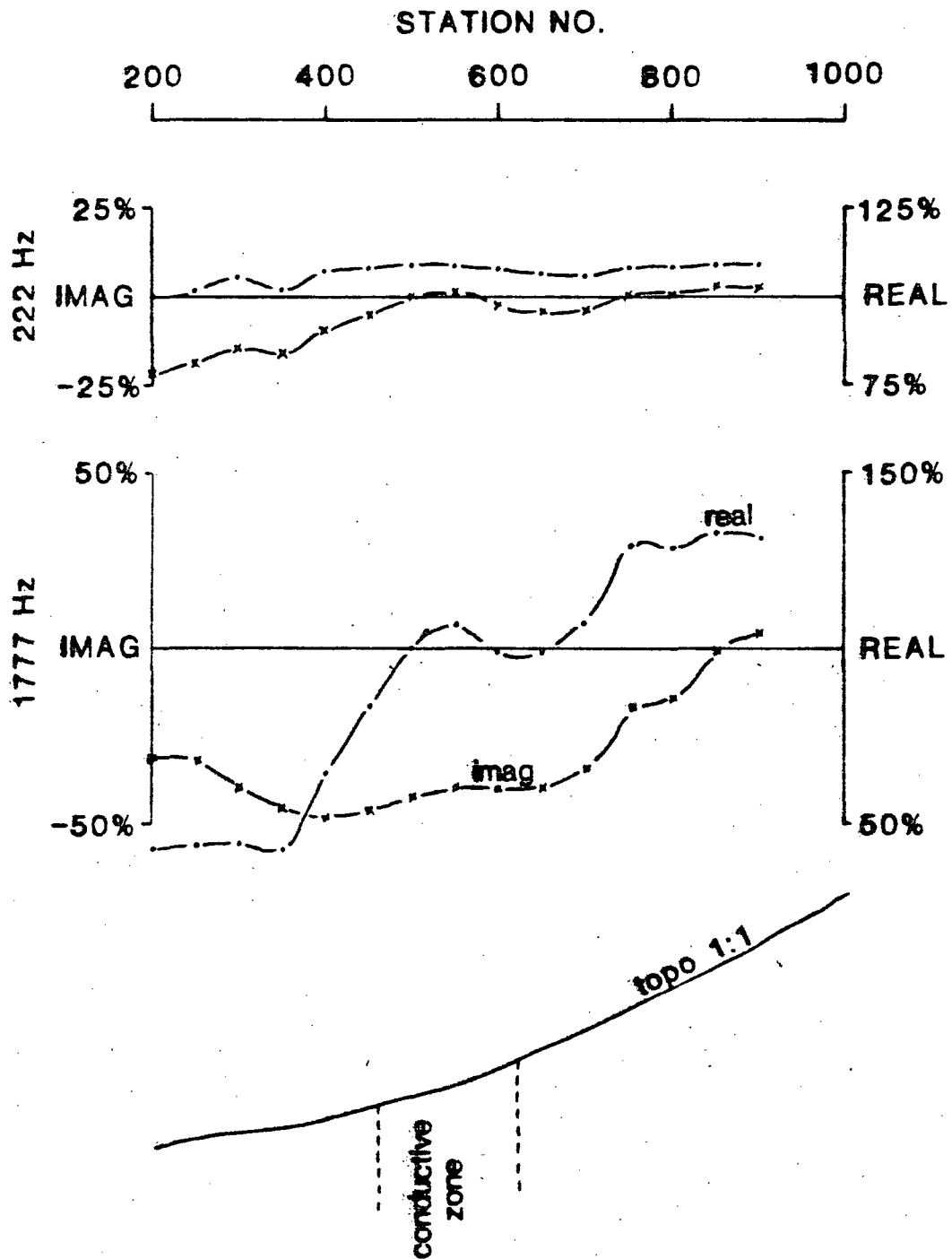
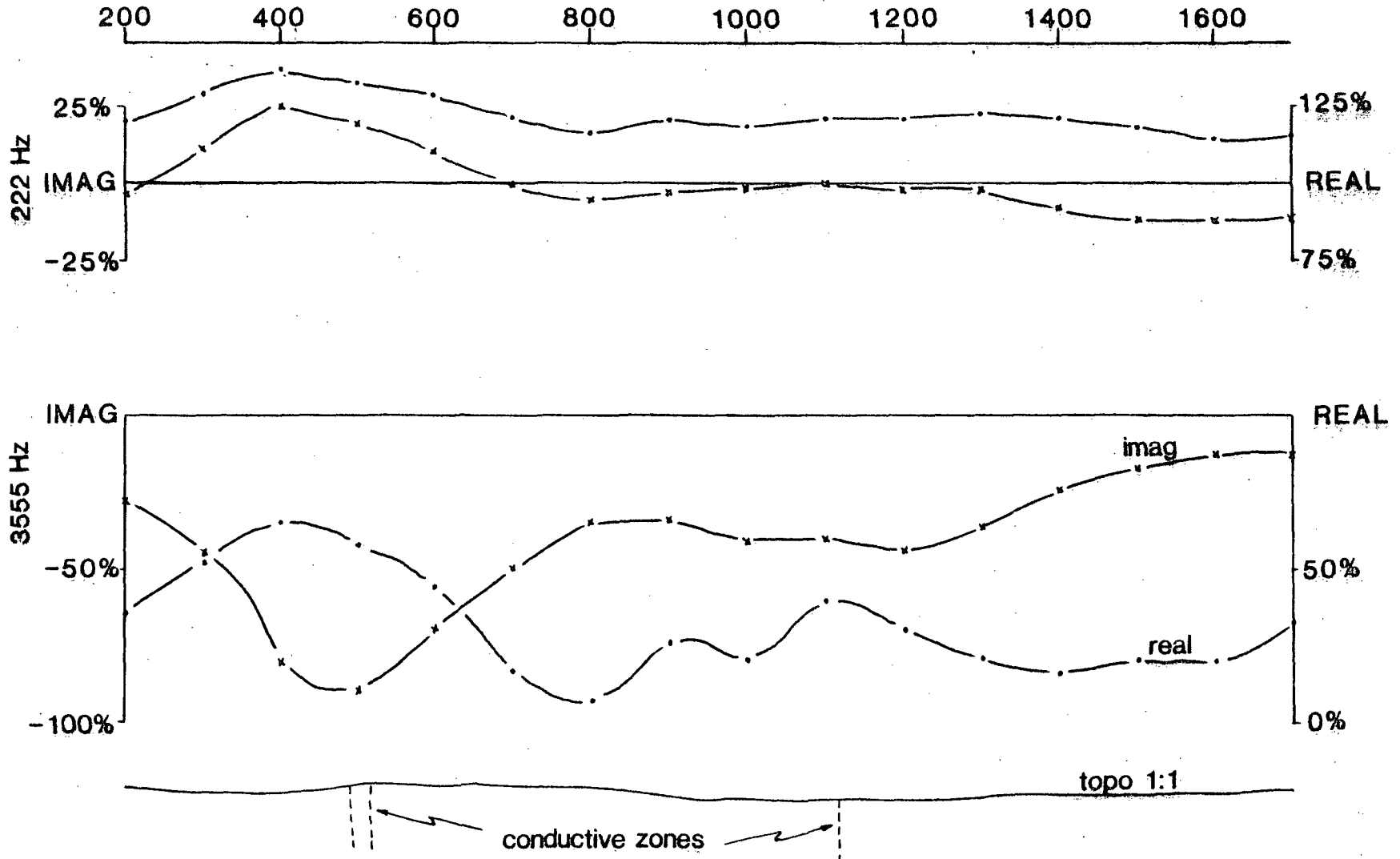


FIGURE 42
SLINGRAM LINE SL2
ELKO, NEVADA
STATION NO.



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FIGURE 43
SLINGRAM LINE SL4
ELKO, NEVADA

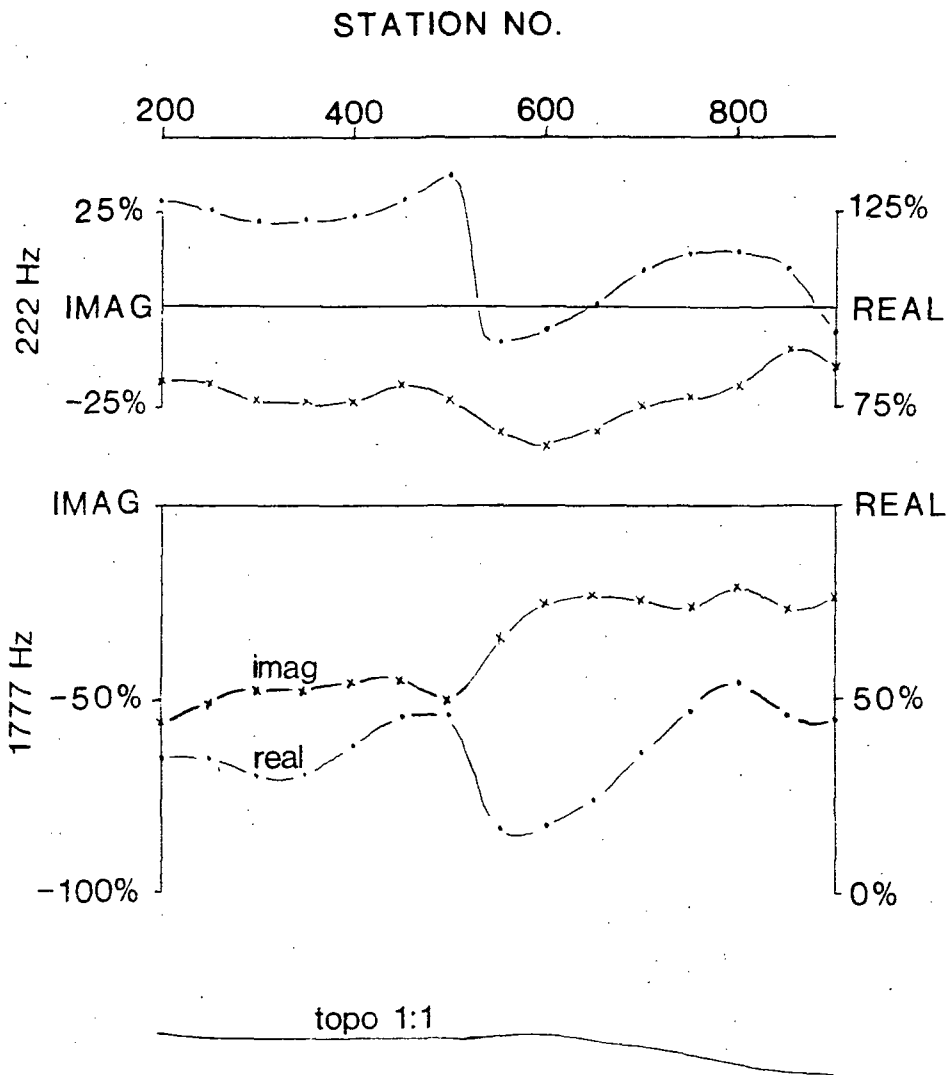


FIGURE 44
SLINGRAM LINE SL5
ELKO, NEVADA

STATION NO.

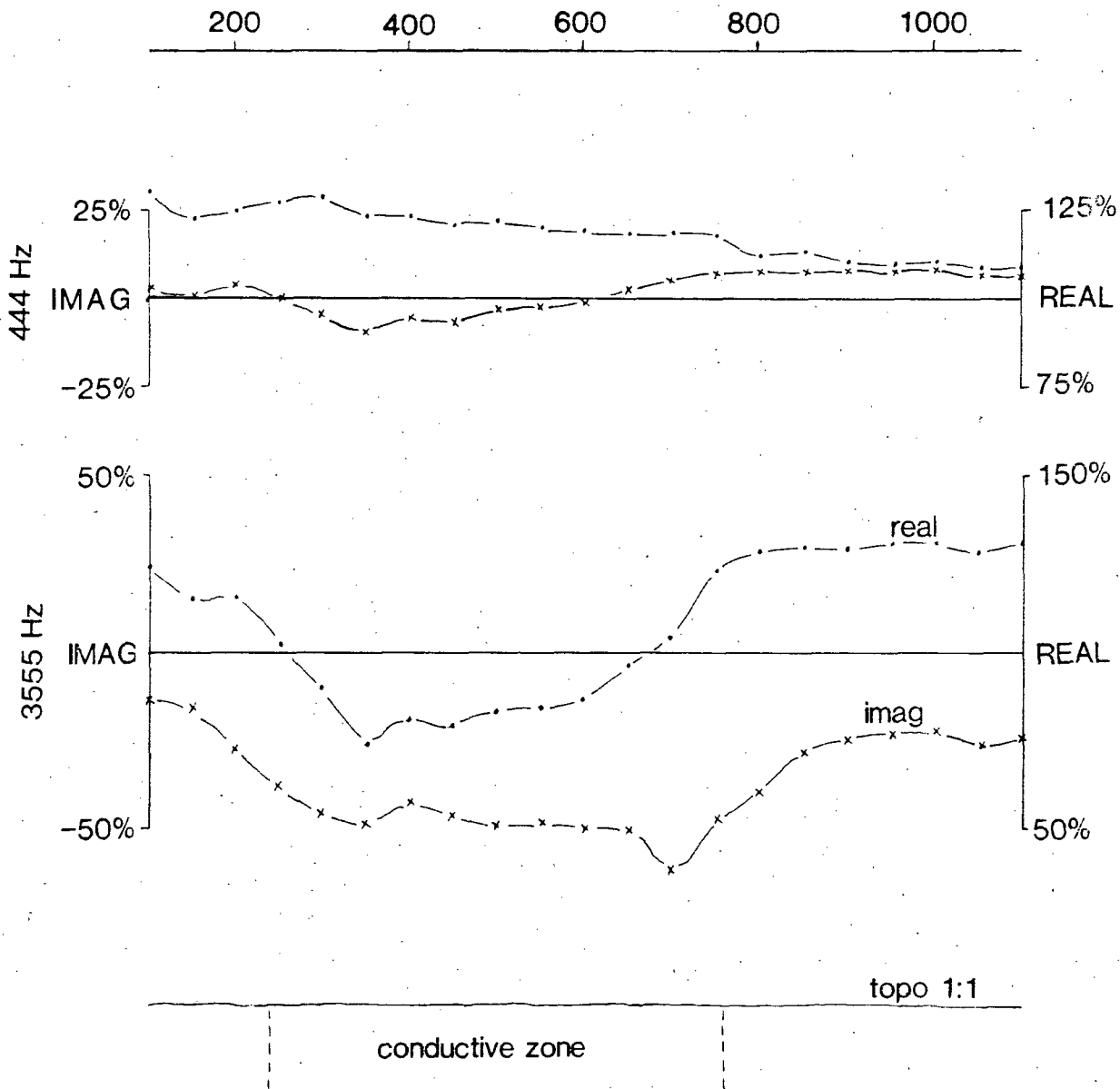
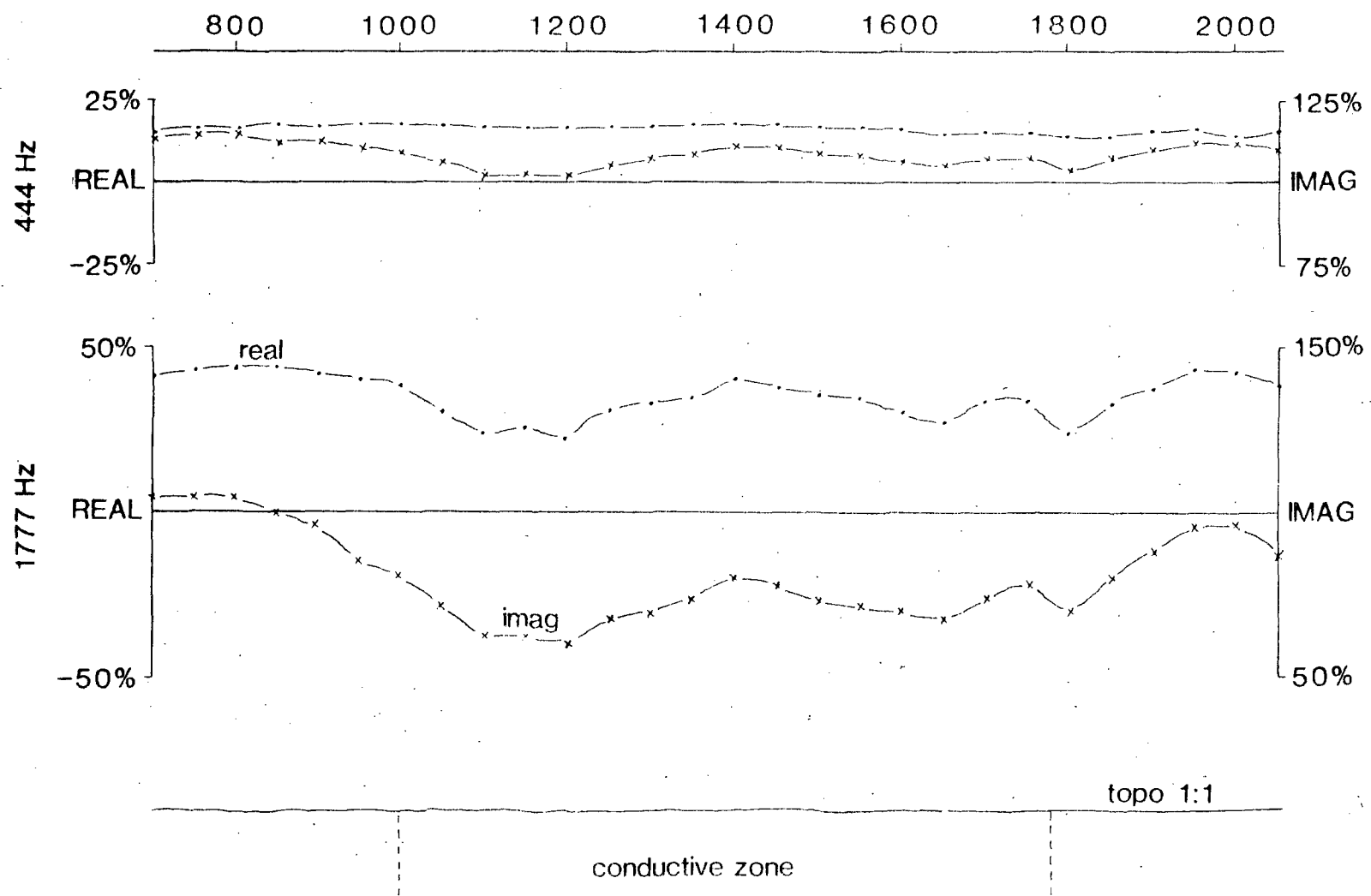


FIGURE 45
SLINGRAM LINE SL7
ELKO, NEVADA



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