APPENDIX H. BORING LOG

APPENDIX H – 1

BORING LOG

PROJECT · LOCATION PAK CHOM CAMP

GROUND ELEVATION 267.85 m

DATE OF INVESTIGATION 29MAY~17JUN 1982

BORING HOLE No. J – 1

DEPTH TO GROUND WATER LEVEL IN HOLE 295 m

INVESTIGATED BY K. NARITA

STAFF m	ELEVATION m	DEPTH m	THICKNESS m	FIELD OBSERVATIONAL RECORD: COLUMN SECTION (Graphic mark)	Soil or Rock NAME OF CLASSIFICATION	COLOR TONE	DESCRIPTION
	267.45	0.4	0.4		Top Soil	Black	Very Soft
	264.95	2.9	2.5		Clay	Bluish Gray	Stiff and Sticky
	263.75	4.1	1.2		Coarse Sand	Brownish Gray	Loose with Gravel
	260.95	6.9	2.8		Slate	Dark Gray	Weathered Slate. Soft and Friable
							Very Hard Rock with Quartz Vein and some Slate
							9.3m to 21.0m some cracks and permeable (a little)
							22.8m to 24.9m Permeable (a little)
							31.2m to 32.1m Crack and Permeable
						Dark Bluish Gray to Dark Gray	34.8m Permeable (a little)
	225.85	42.0	35.1		Greywacke		

DRILLING TIME (min) 1 2 3 4 5

CASING PIPE and PUMP: Pumping Pipe (2); Casing Pipe (4); Submersible Pump

ELECTRICAL LOG — RESISTIVITY (Ω - m) a = 25, a = 50, a = 100; 0, 200, 400, 600

APPENDIX H-2 | BORING LOG

PROJECT · LOCATION PAK CHOM CAMP | GROUND ELEVATION 259.21 m | DATE OF INVESTIGATION 1982 JUN-JULY

BORING HOLE No. J-2 | DEPTH TO GROUND WATER LEVEL IN HOLE 1.60 m | INVESTIGATED BY T. HAGIWARA

STAFF m	ELEVATION m	DEPTH m	THICKNESS m	FIELD OBSERVATIONAL RECORD: COLUMN SECTION (Graphic mark)	Soil or Rock NAME OF CLASSIFICATION	COLOR TONE	DESCRIPTION
	257.91	1.3	1.3		Top Soil	Brownish Gray	Soft and Humid
						Dark Brownish Gray	Many Craks and Friable
	255.01	4.2	2.9		Slate		With Quartz Vein
							11.0m to 13.0m Crack and Permeable (a little)
							14.8m to 15.0m Crack and Permeable. 18.9m to 21.0m Crack and Permeable
						Dark Bluish Gray	
	236.51	22.7	18.5		Greywacke		
	234.61	24.6	1.9		Silt Stone	Dark Bluish Gray	Some Cracks
							Very Hard With Quartz Vein 28.8m Crack and Permeable (a little) 30.2m 30.9m Cracks
	227.21	32.0	7.4		Greywacke	Dark Bluish Gray	
	226.21	33.0	1.0		Silt Stone	Dark Gray	Crack and Permeable
							With Quartz Vein 35.8m 38.7m Crack 40.2m Crack and Permeable
						Dark Bluish Gray	
	218.71	40.5	7.5		Greywacke		
	217.21	42.0	1.5		Silt Stone	Dark Bluish Gray	Very Hard

DRILLING TIME (min) 1 2 3 4 5

CASING PIPE and PUMP: Pumping Pipe 12" | Casing Pipe (4") | Submersible Pump

ELECTRICAL LOG — RESISTIVITY (Ω - m) a = 25 | a = 50 | a = 100; 0 | 50 | 100 | 150

APPENDIX H-3	BORING LOG	

1982

PROJECT · LOCATION PAK CHOM CAMP　GROUND ELEVATION 257.74 m　DATE OF INVESTIGATION 20 JULY~3AUG.

BORING HOLE No. J-3　DEPTH TO GROUND WATER LEVEL IN HOLE 4.50 m　INVESTIGATED BY T. HAGIWARA

STAFF m	ELEVATION m	DEPTH m	THICKNESS m	FIELD OBSERVATIONAL RECORD: COLUMN SECTION (Graphic mark)	Soil or Rock NAME OF CLASSIFICATION	COLOR TONE	DESCRIPTION	DRILLING TIME (min) 1 2 3 4 5	CASING PIPE and PUMP	ELECTRICAL LOG: RESISTIVITY (Ω - m) a = 25 / a = 50 / a = 100
	257.04	0.7	0.7		Top Soil	Dark Brown	With Organic matter			0 50 100 150
	256.04	1.7	1.0		Clay	Brown	With Gravel Stiff			
2							Weathered Slate			
4							Soft and Friable			
	252.24	5.5	3.8		Slate	Brown				5
6							With Quartz Vein 8.0m to 10.0m Very Hard			
8						Dark Bluish	9.5m Crack			
10	247.54	10.2	4.7		Greywacke	Gray				10
	245.74	12.0	1.8		Silt Stone	Dark Gray	10.5m Crack 11m to 12m V. Hard			
14							With Quartz Vein 12.0m to 13.0m Very Hard 13.3m Crack and Permeable		Pumping Pipe(2)	
16									Casing Pipe(4)	15
18	238.64	19.1	3.1		Greywacke	Dark Gray	17.5m Crack			
20	237.84	19.9	0.8		Silt Stone	Dark Gray	Some Cracks			20
22							Very Hard With Many Quartz Vein 21.9m and 27.2m Crack and Permeable 24.9, 25.7m and 31.2m Crack		Submersible Pump	
24										
26										25
28										
30						Dark Bluish Gray				30
32	224.74	33.0	13.1		Greywacke					
34										
36										
38										
40										
42										
44										
46										
48										
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52										
54										
56										
58										
60										

APPENDIX H-4	BORING LOG	

1982

PROJECT · LOCATION PAK CHOM CAMP GROUND ELEVATION 258.07 m DATE OF INVESTIGATION 28AUG.~29SEP.

BORING HOLE No. J-4 DEPTH TO GROUND WATER LEVEL IN HOLE 2.86 m INVESTIGATED BY T. HAGIWARA

STAFF m	ELEVATION m	DEPTH m	THICKNESS m	FIELD OBSERVATIONAL RECORD: COLUMN SECTION (Graphic mark)	Soil or Rock NAME OF CLASSIFICATION	COLOR TONE	DESCRIPTION
	256.67	1.4	1.4		Top Soil	Dark Brown	Clay with Gravel Soft and Humid
							Many Craks
	254.17	3.9	2.5		Slate	Brown	Soft and Frable
							Very Hard With Many Quartz Vein and Cracks
							12.3m Crack and Permeable (a little)
							20.6m Crack and Permeable (a little)
							23.0m Crack and Permeable
						Dark Bluish Gray	27.9 m Crack and Permeable (a little)
	225.87	32.2	28.3		Greywacke		
	224.97	33.1	0.9		Chart	Greenish Gray	Many Cracks
							Soft. With Chart and some Cracks.
	220.97	37.1	4.0		Silt Stone	Greenisr Bluish Gray	Permeable
							With Some Quartz Vein and Cracks
	216.07	42.0	4.9		Greywacke	Dark Bluish Gray	38.9m Permeable (a little)

DRILLING TIME (min) 1 2 3 4 5

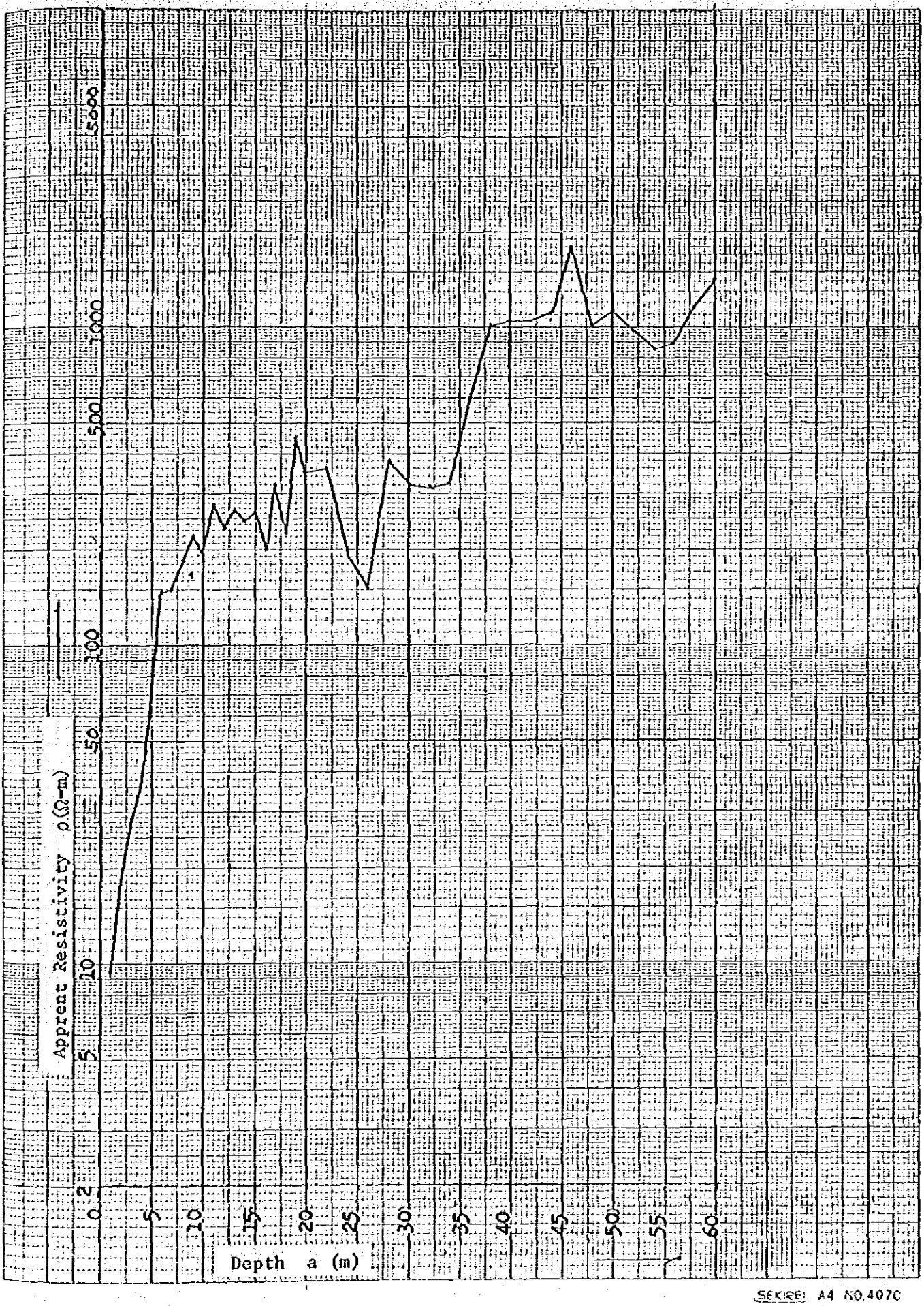
CASING PIPE and PUMP: Pumping Pipe (2); Casing Pipe (4); Sobmersible pump

ELECTRICAL LOG — RESISTIVITY (Ω - m): a = 25, a = 50, a = 100; 0, 20, 40, 60

APPENDIX I. ρ - a CURVE

APPENDIX I - 1

ρ - a Curve (E - 1)



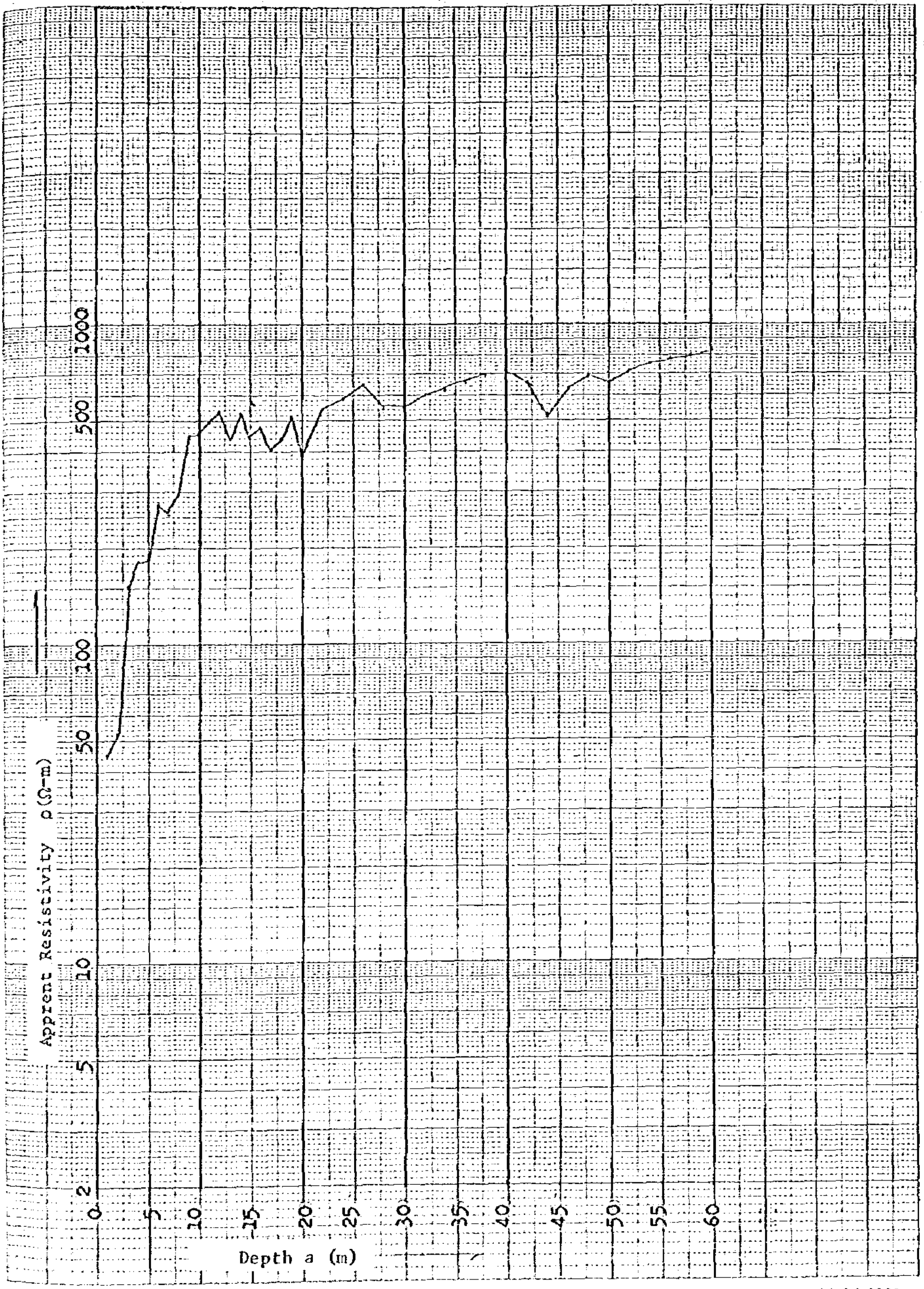
SEKIREI A4 NO.407C

APPENDIX 1 - 2

ρ - a Curve (E - 2)

APPENDIX I - 3

ρ - a Curve (E - 3)



APPENDIX I - 4

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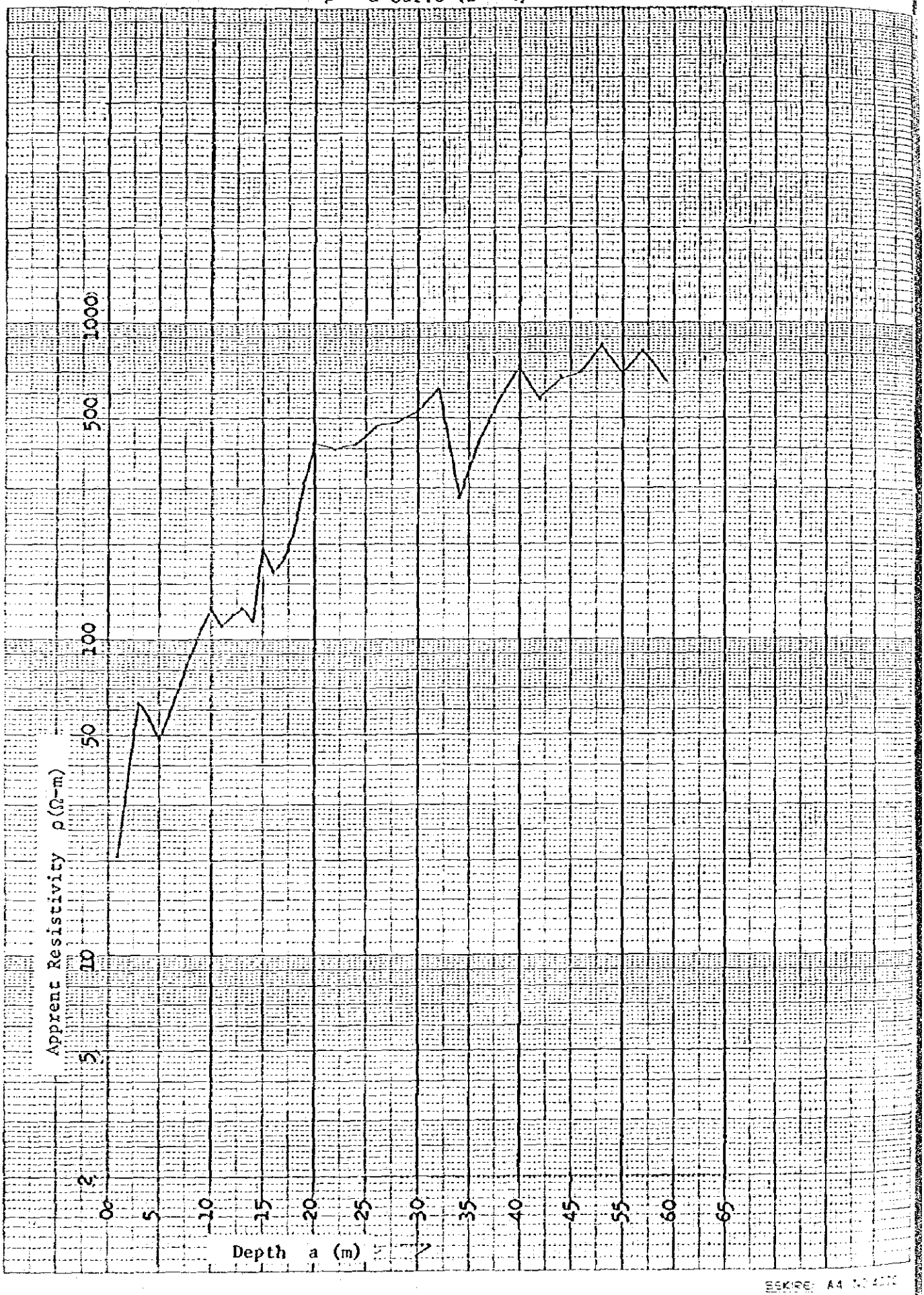
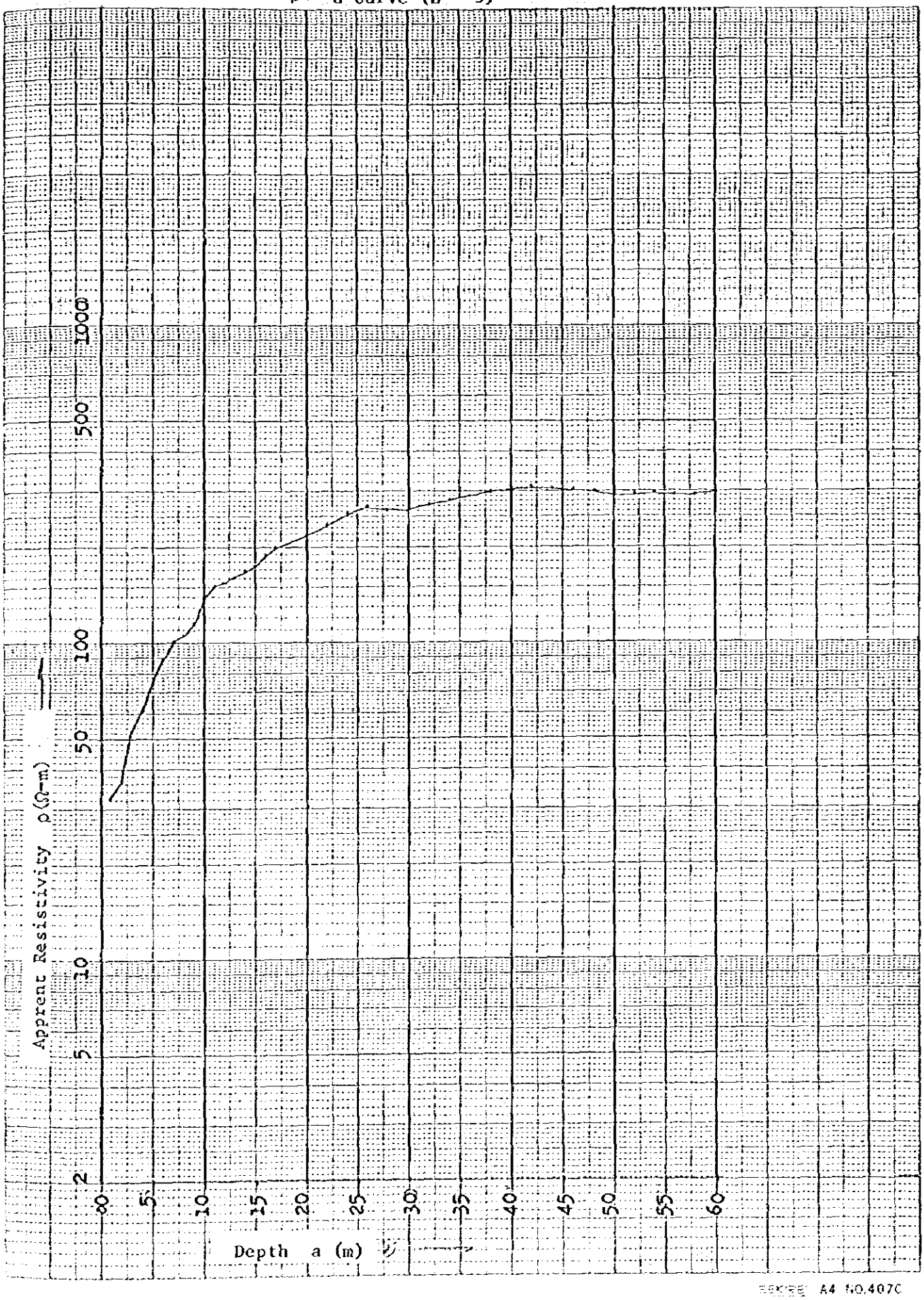


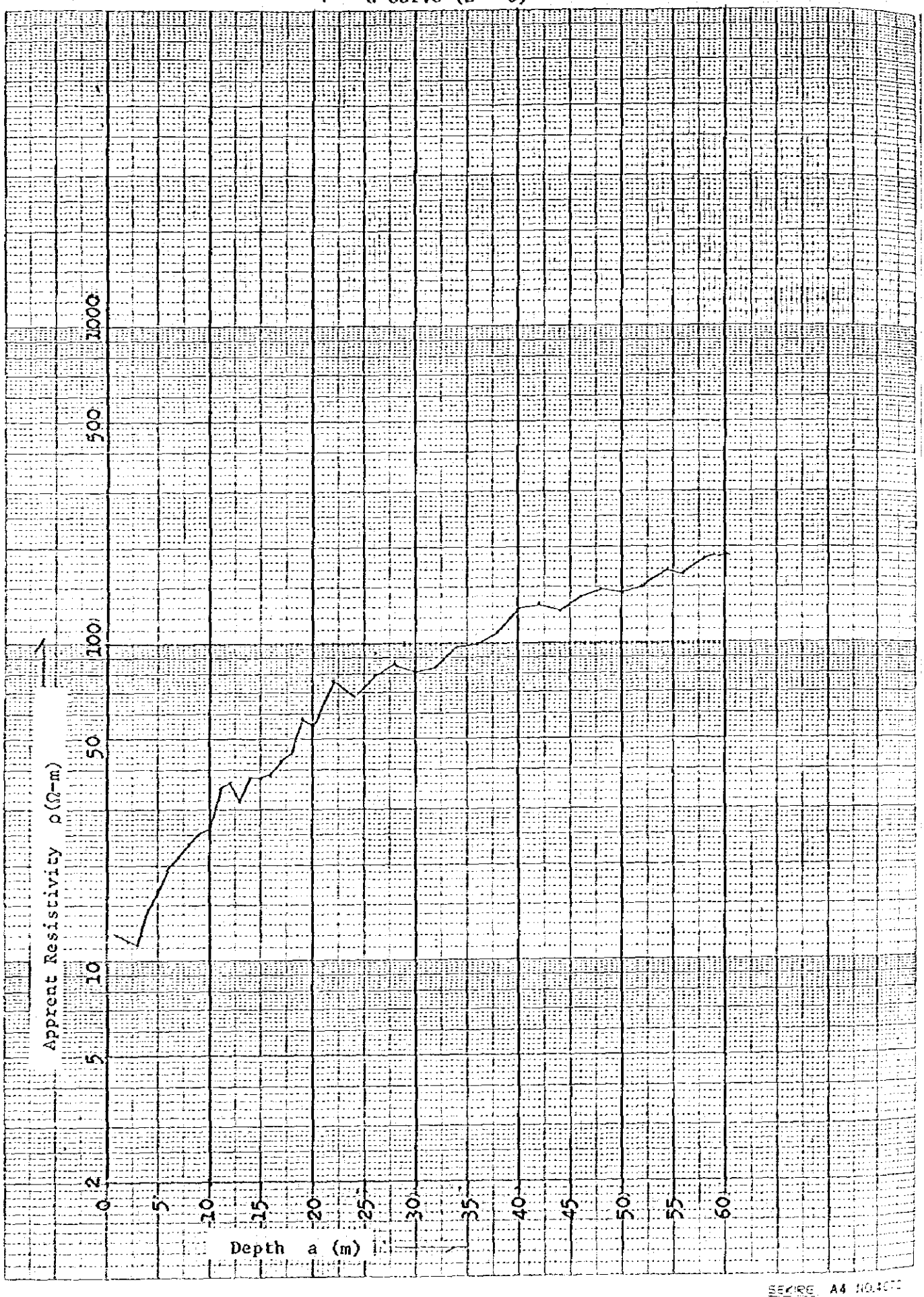
APPENDIX I - 5

ρ - a Curve (E - 5)

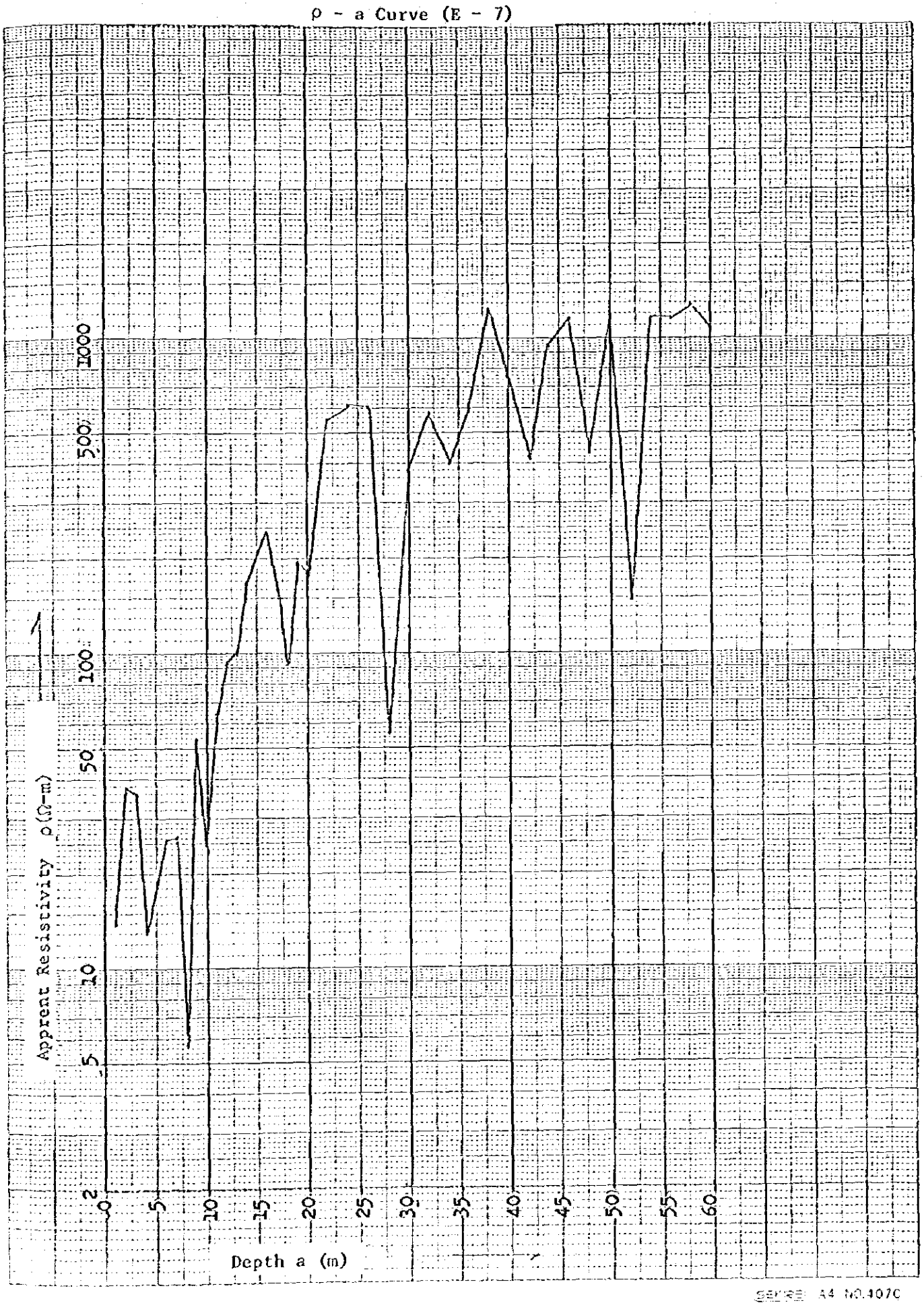


APPENDIX I - 6

ρ - a Curve (E - 6)

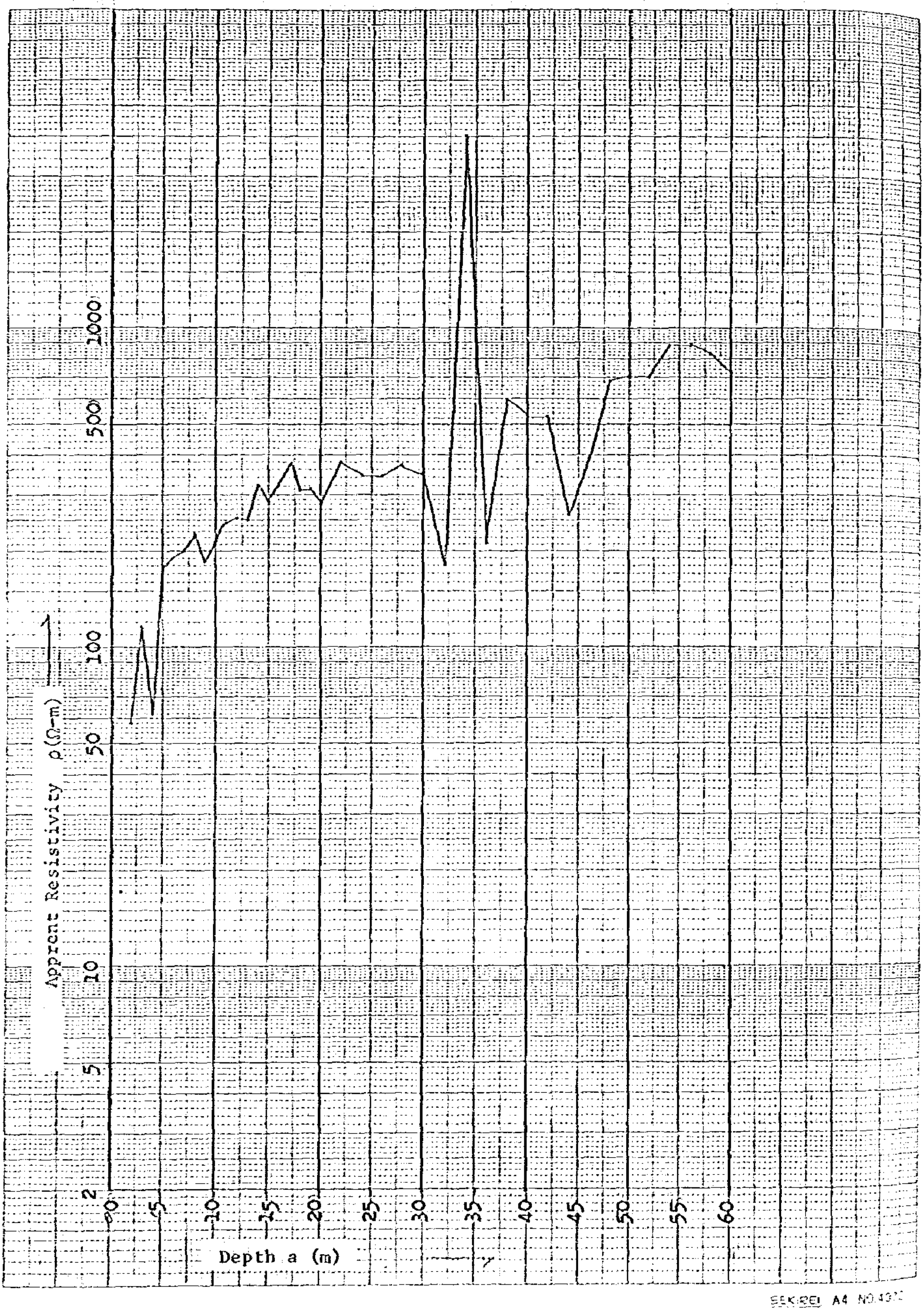


APPENDIX I - 7



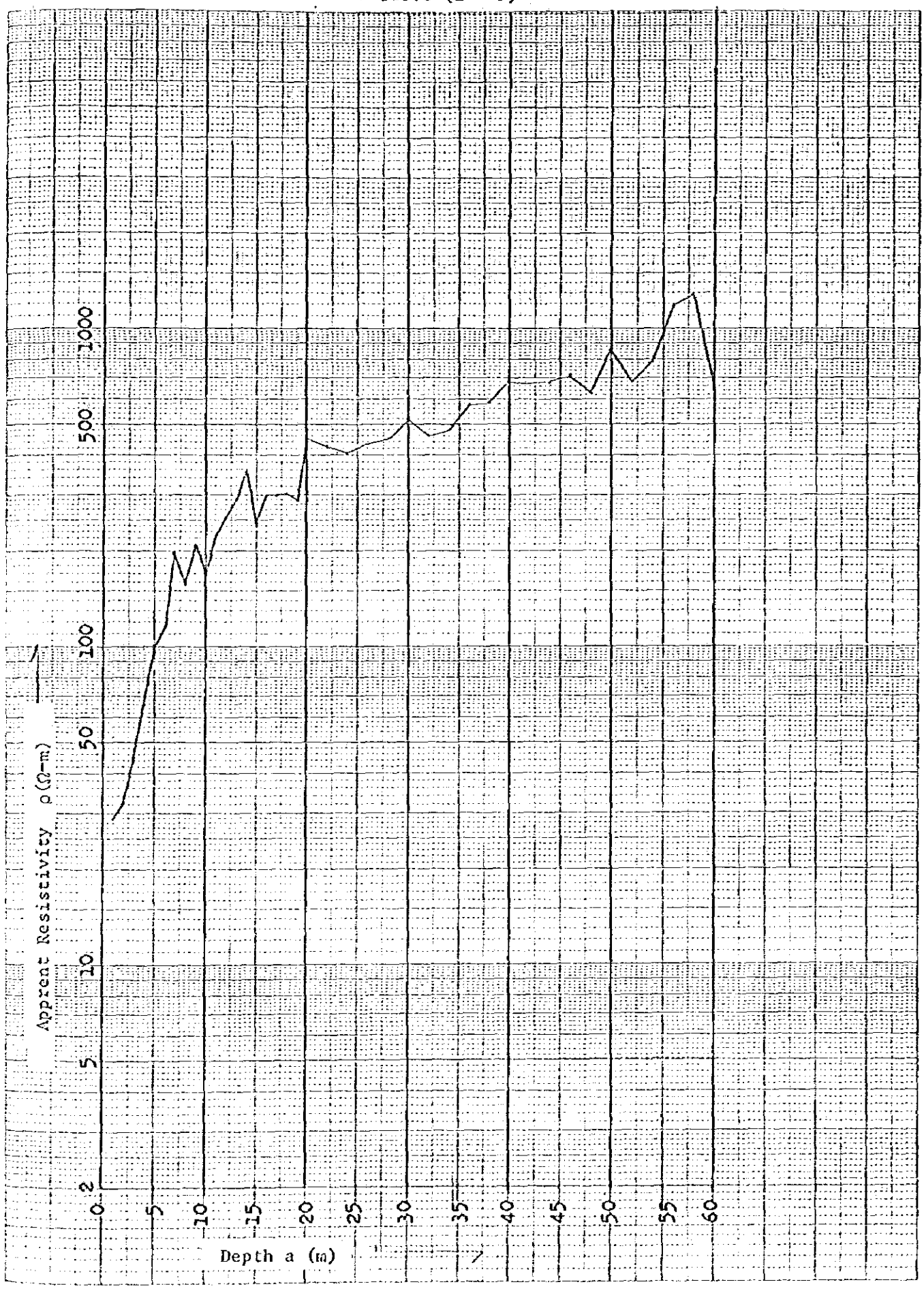
SERIES A4 NO.4070

ρ - a Curve (E - 8)



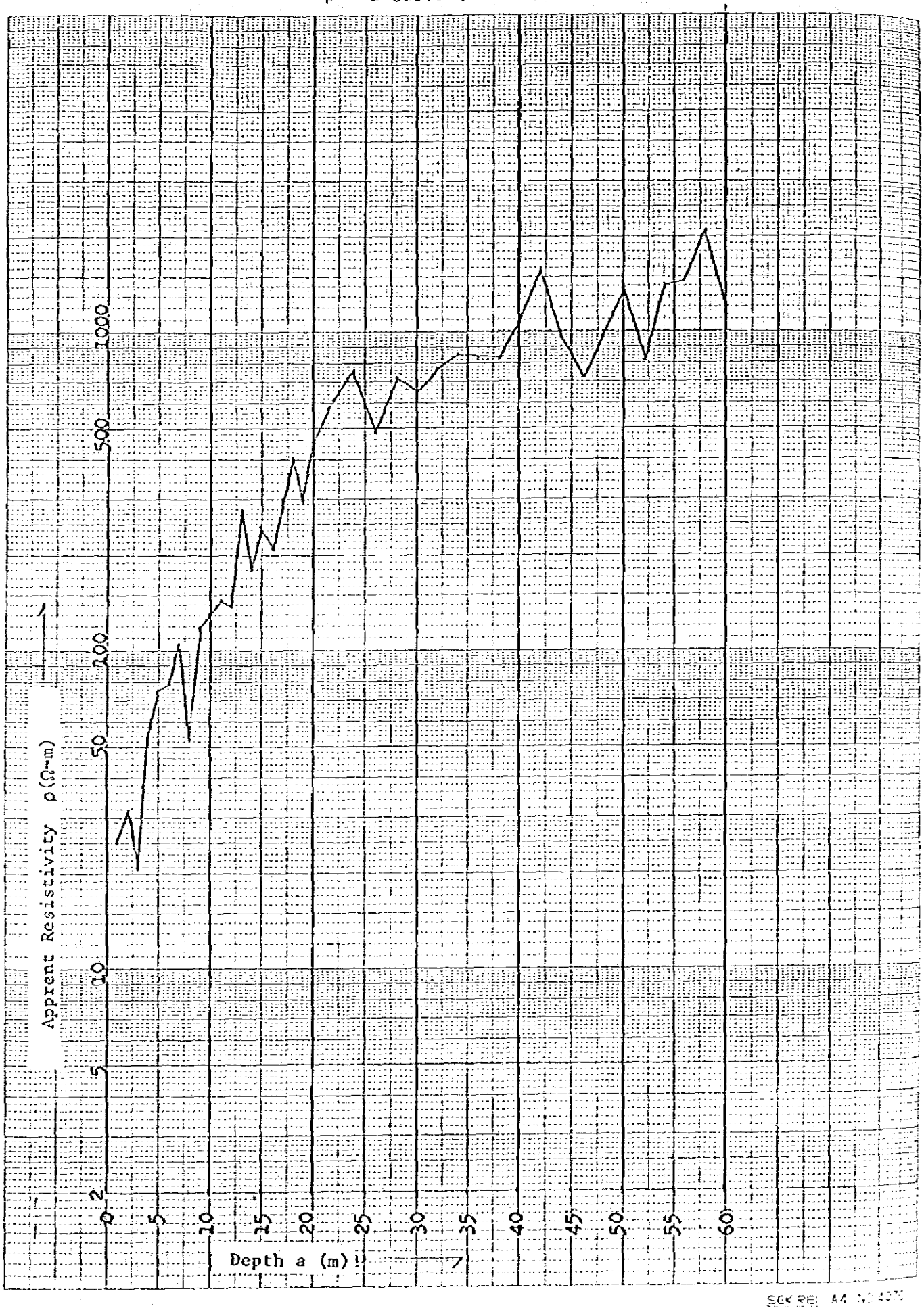
APPENDIX I - 9

ρ - a Curve (E - 9)

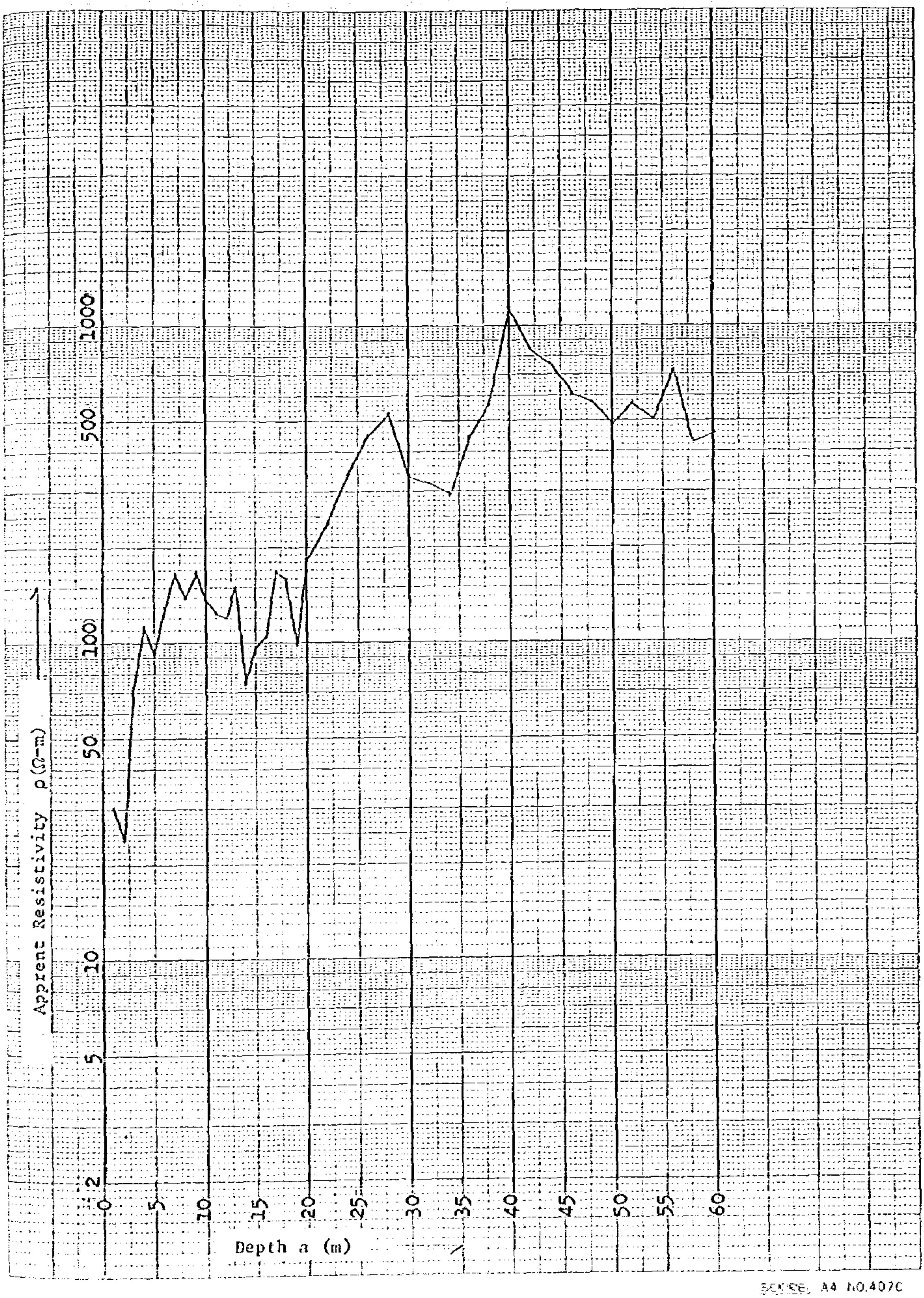


APPENDIX I - 10

ρ - a Curve (E - 10)



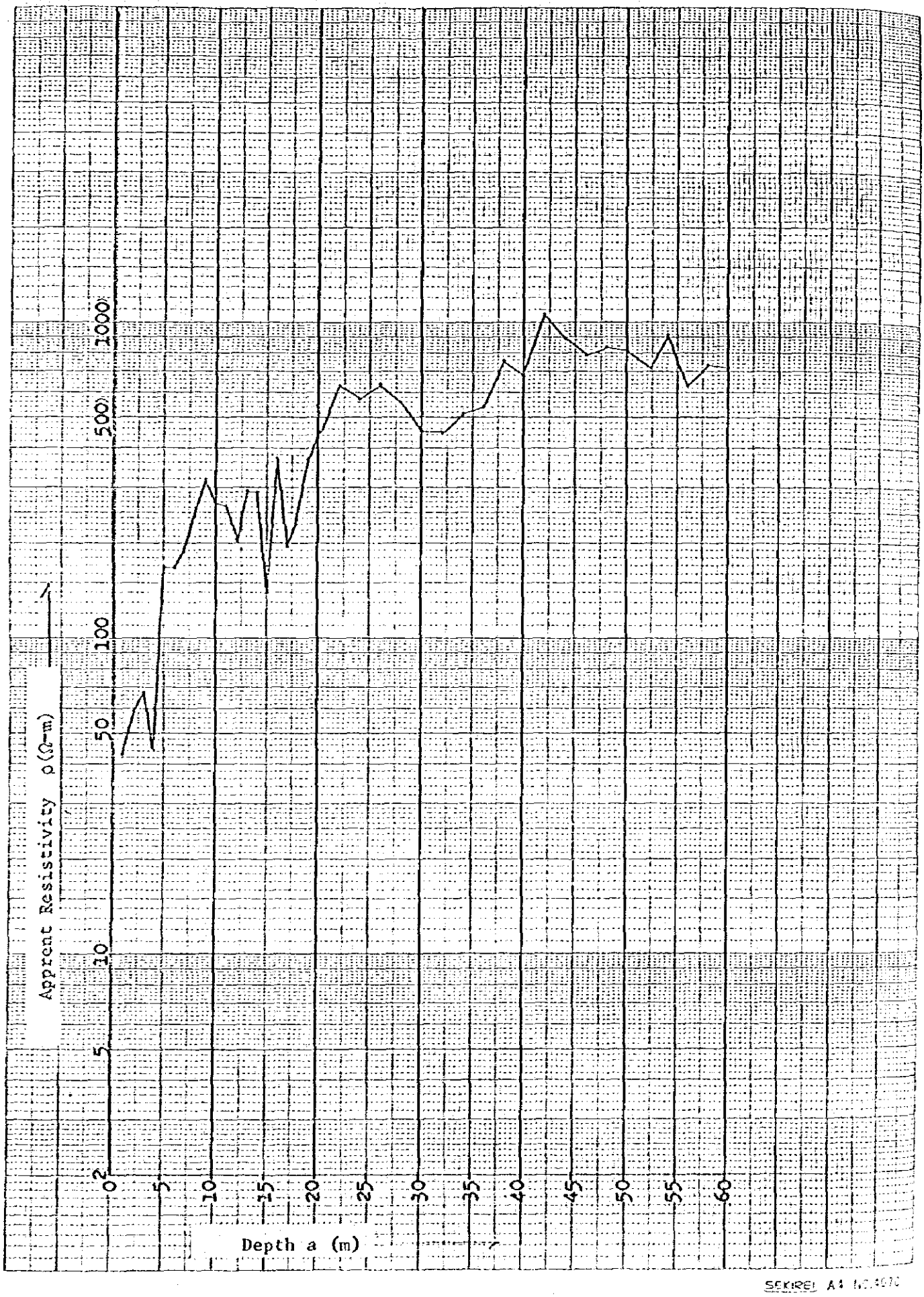
ρ - a Curve (E - 11)



SEKISEI A4 NO.407C

APPENDIX I - 12

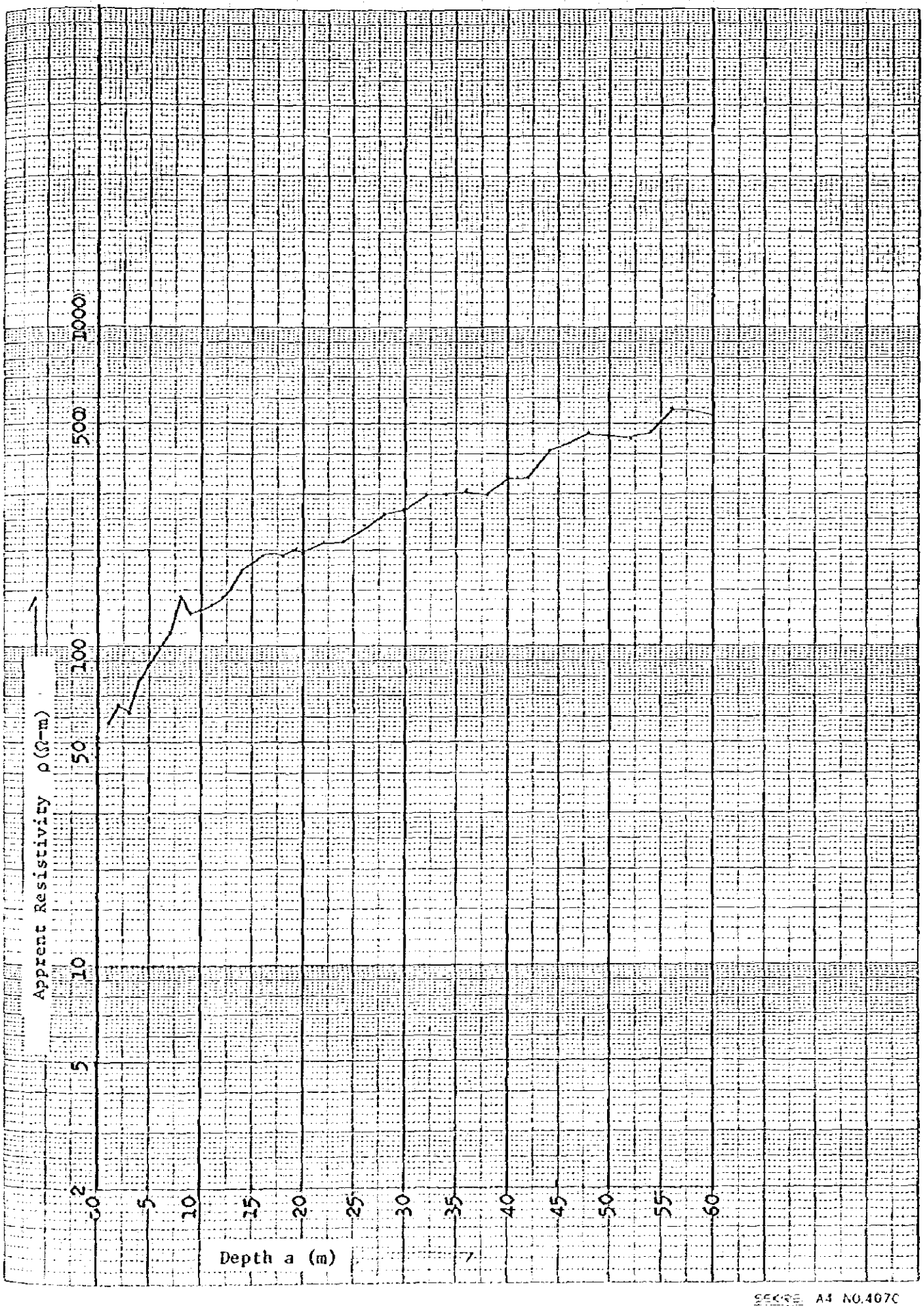
ρ - a Curve (E - 12)



SEKIREI A4 NO.4070

APPENDIX I - 13

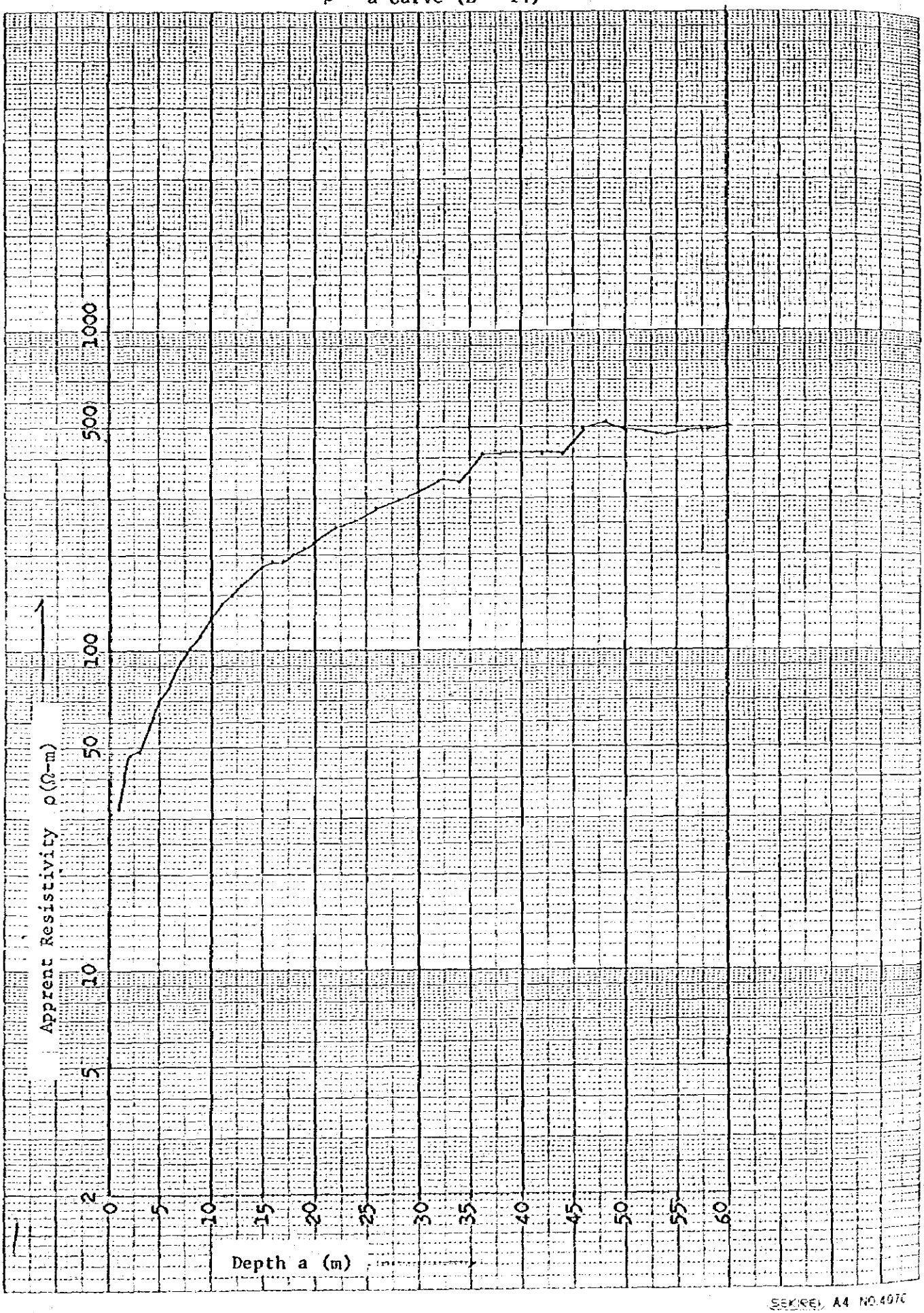
ρ - a Curve (E - 13)



SEKISUI A4 NO.407C

APPENDIX I - 14

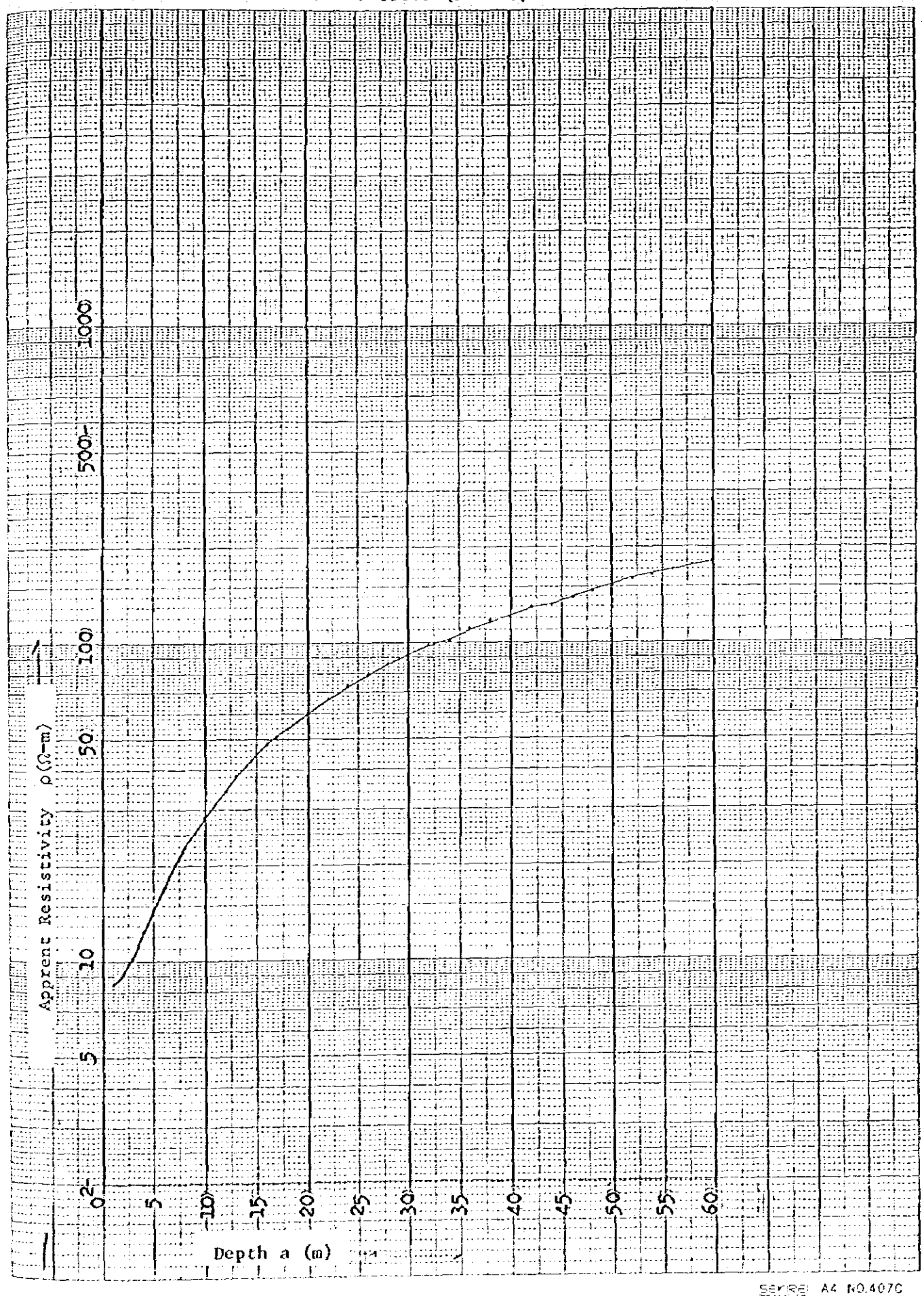
ρ - a Curve (E - 14)



SEKISEI A4 NO.407C

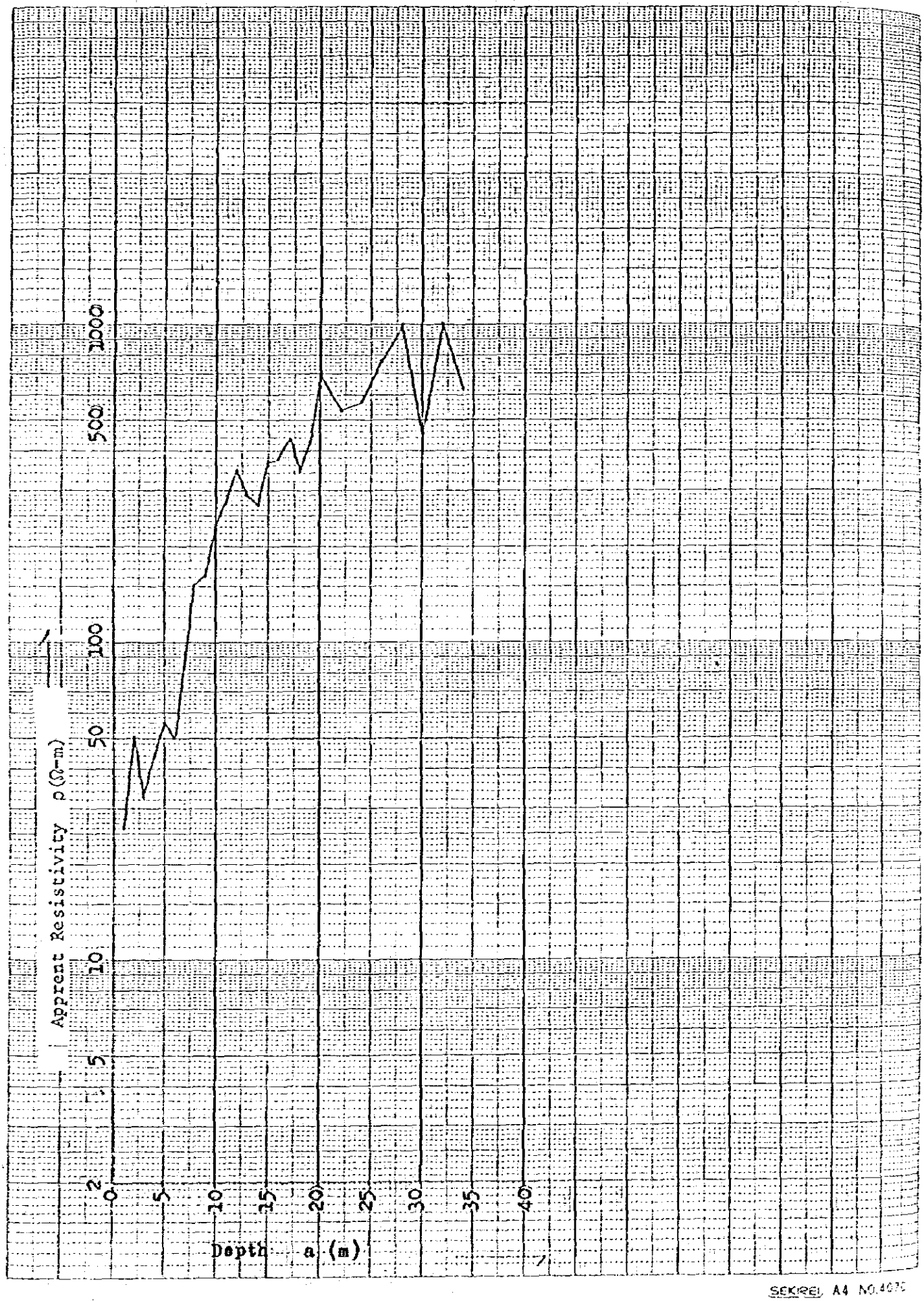
APPENDIX I - 15

ρ - a Curve (E - 15)



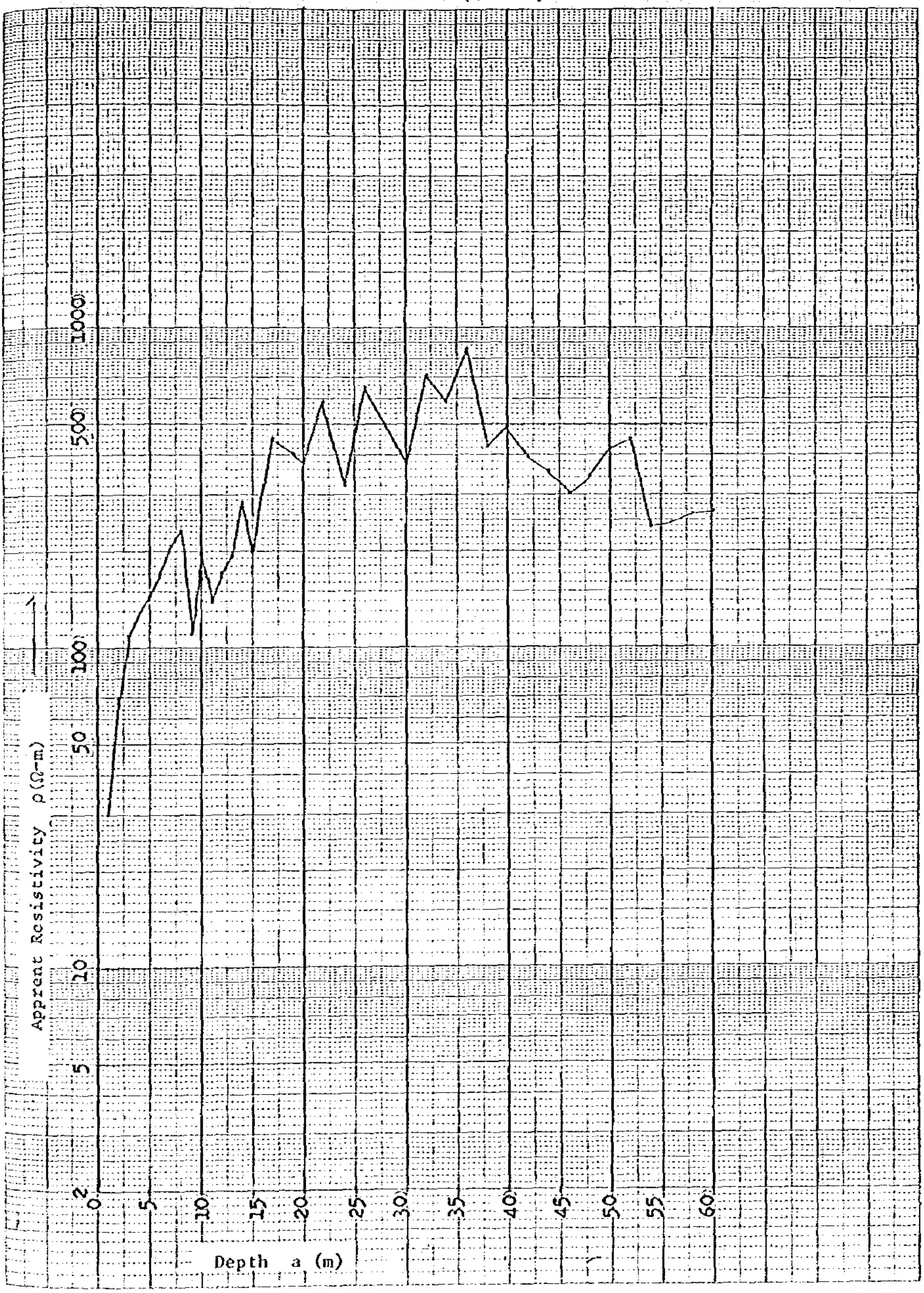
SERIES A4 NO.4070

ρ - a Curve (E - 16)



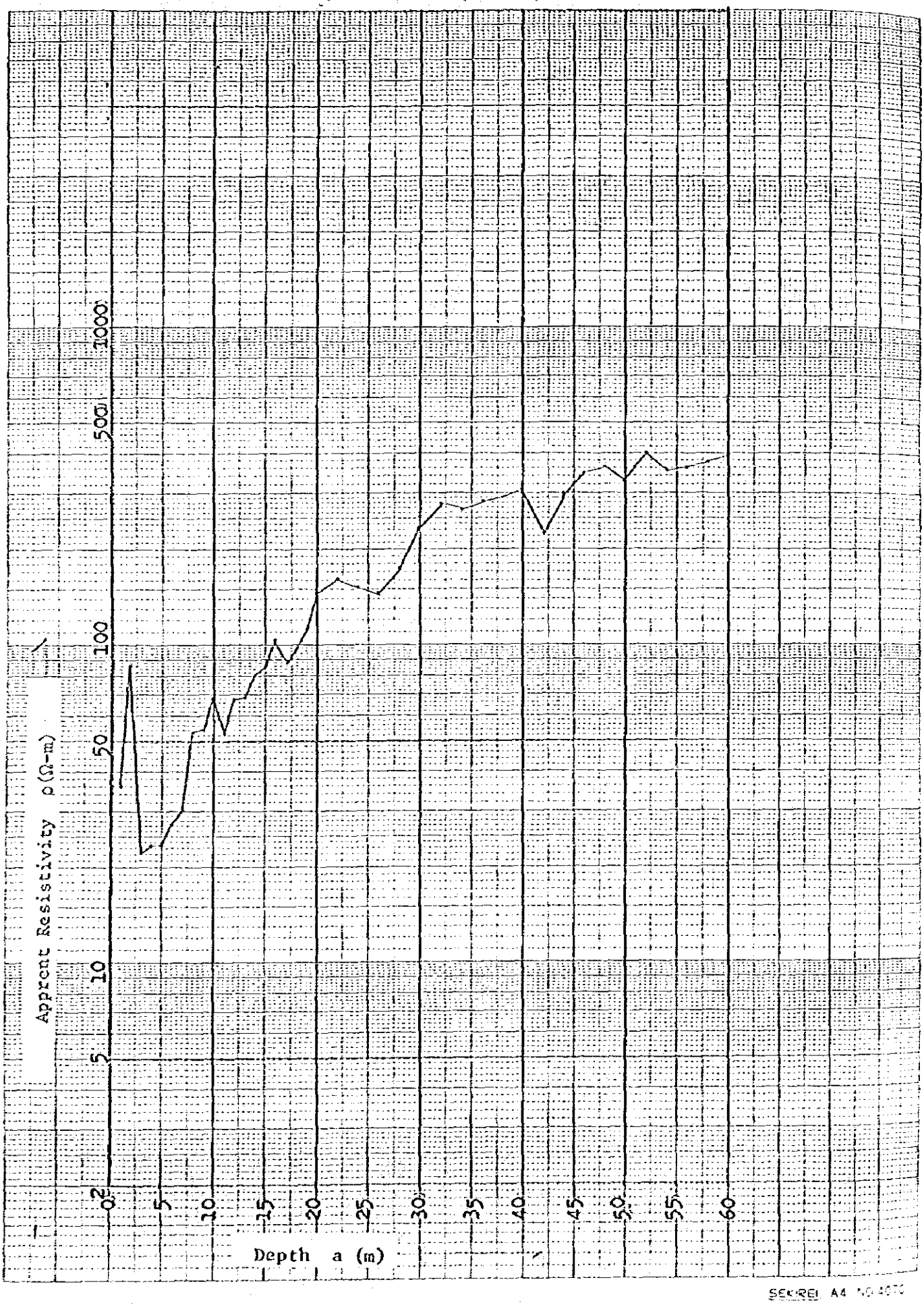
SEKREL A4 NO.4070

ρ - a Curve (E - 17)

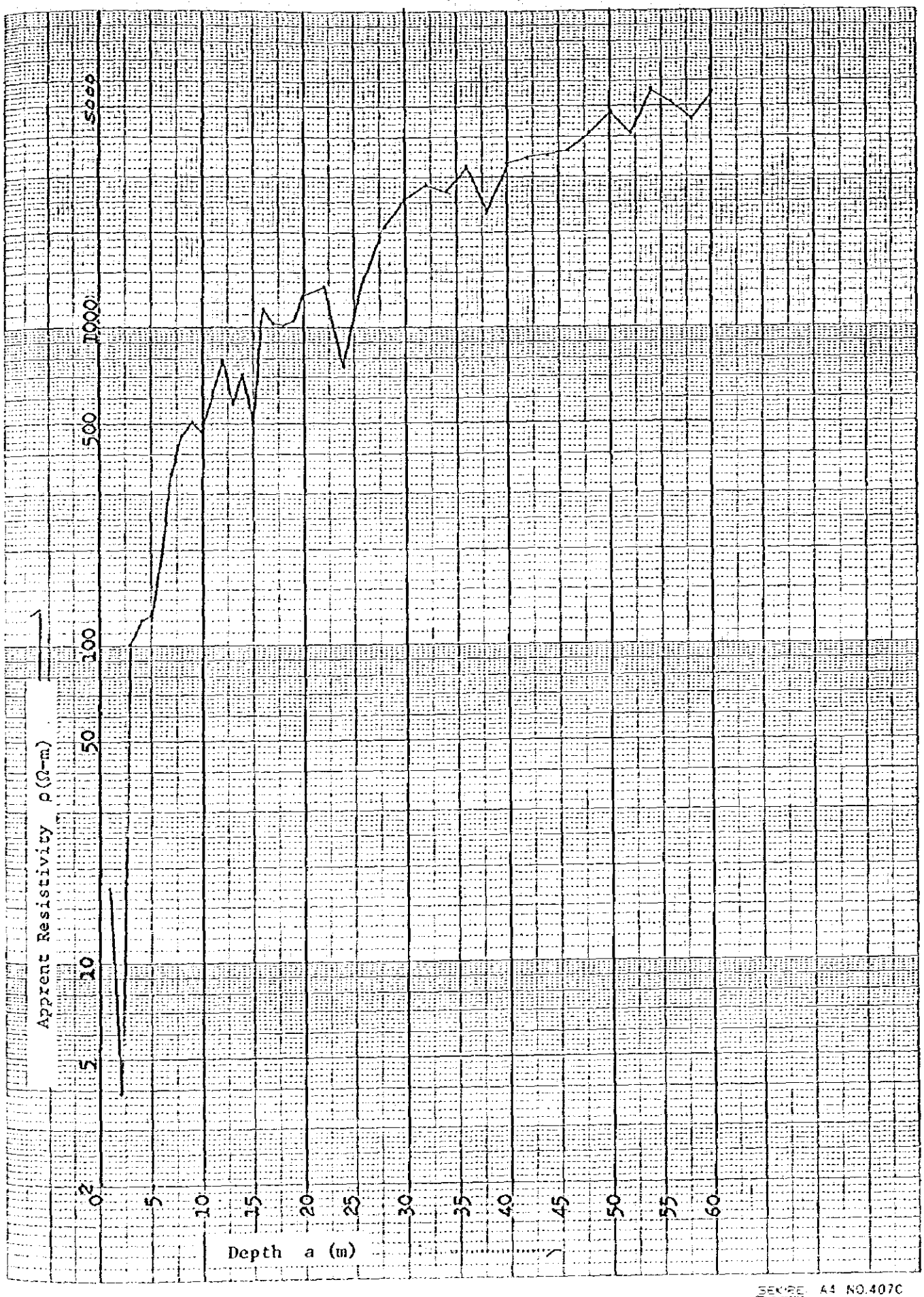


1000
500
100
50
10
5
2
0
5
10
15
20
25
30
35
40
45
50
55
60
Apprent Resistivity ρ(Ω-m)
Depth a (m)

ρ - a Curve (E - 18)

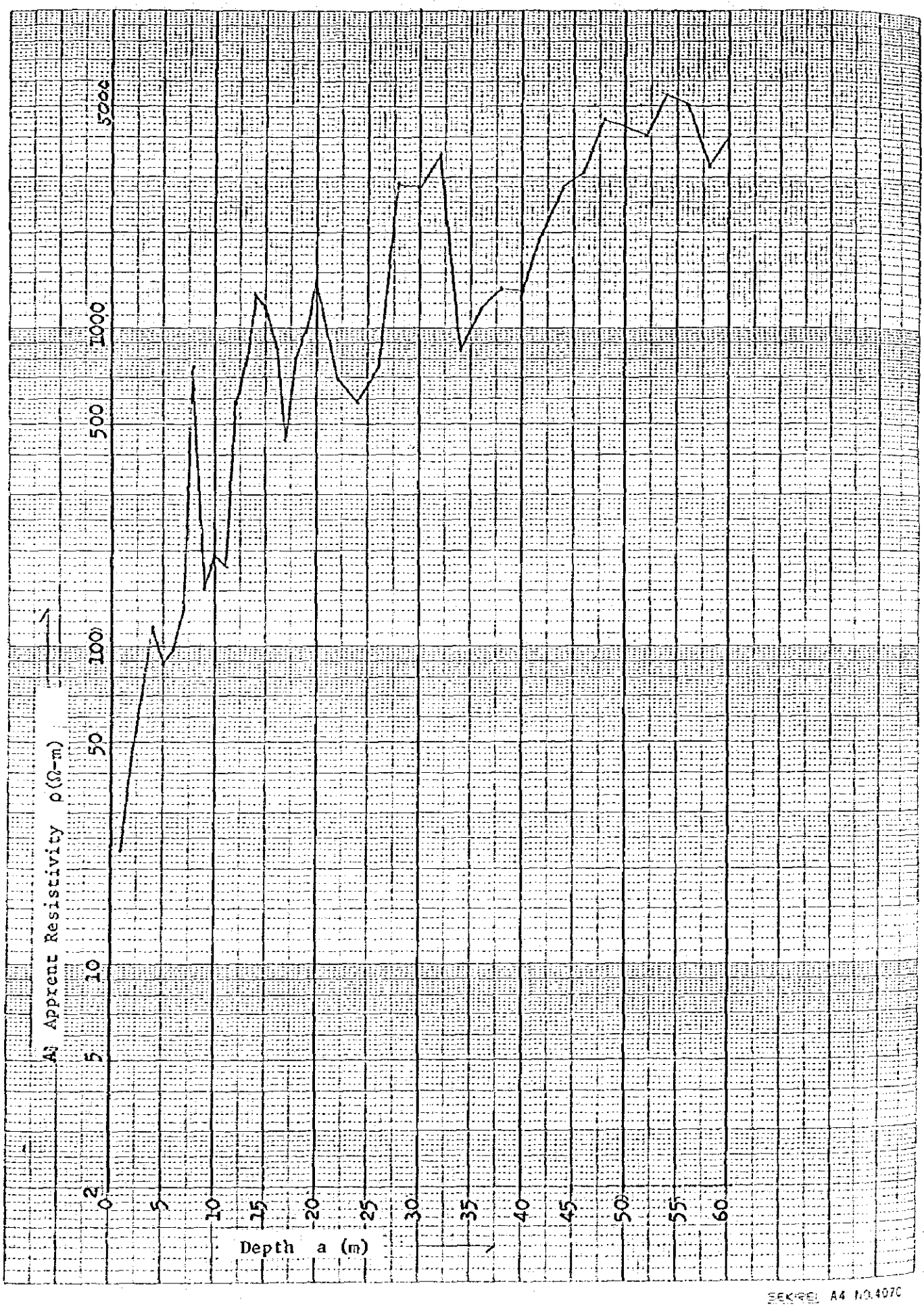

Apparent Resistivity ρ(Ω-m)
1000
500
100
50
10
5
1
0.2
Depth a (m)
5
10
15
20
25
30
35
40
45
50
55
60

ρ - a Curve (E - 19)



APPENDIX I - 20

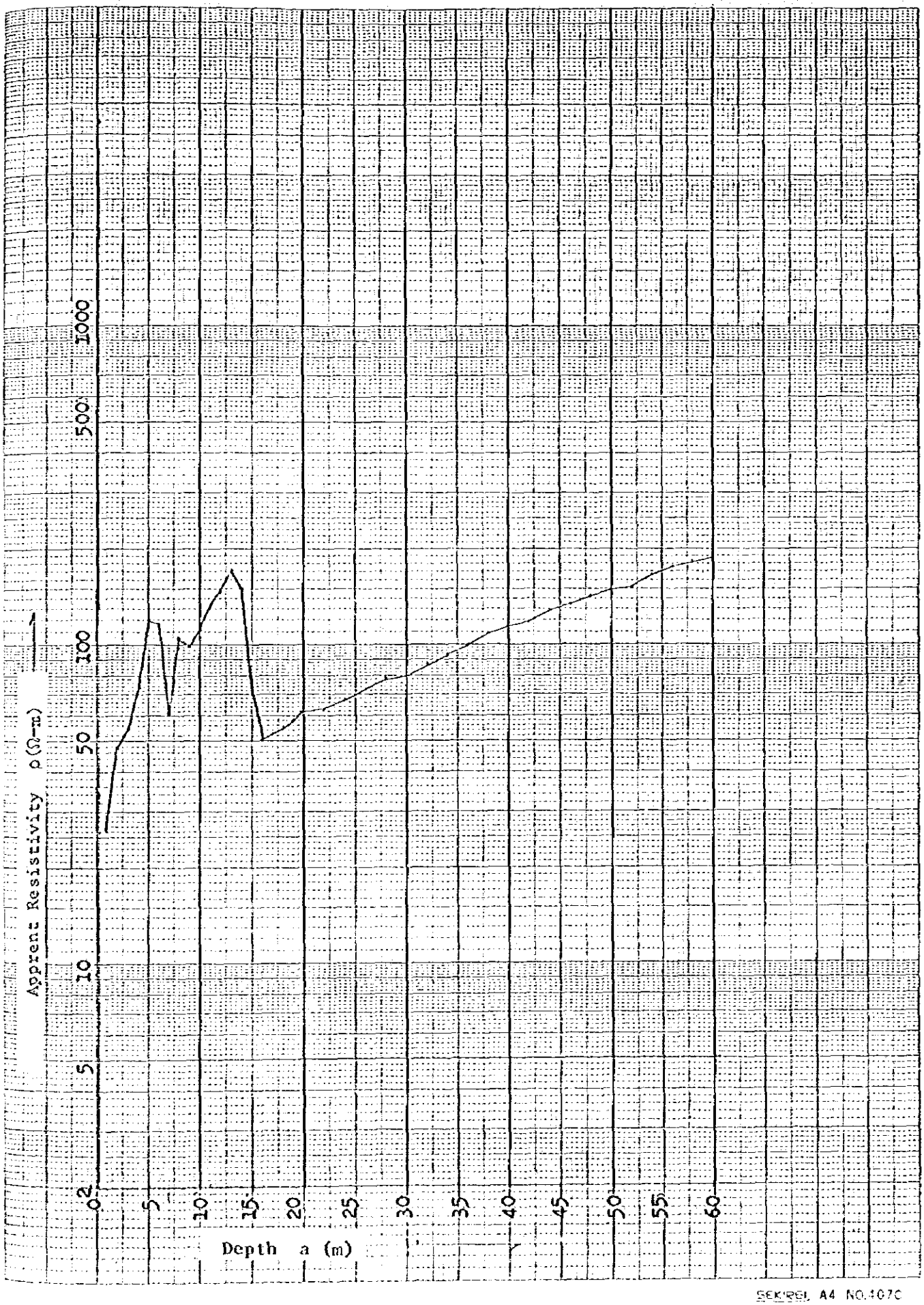
ρ - a Curve (E - 20)



SEKREL A4 NO.4070

APPENDIX I - 21

ρ - a Curve (E - 21)

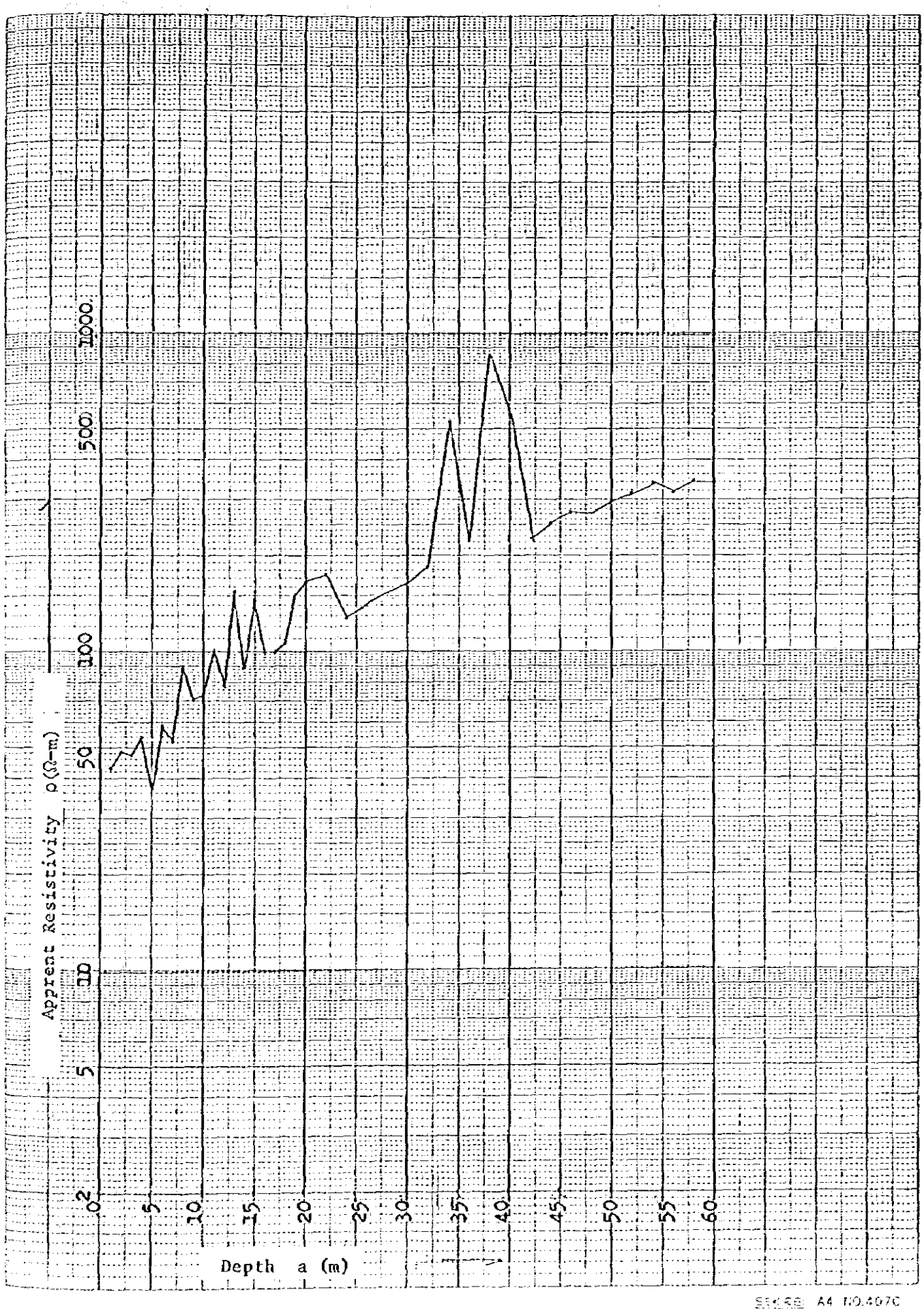


SEKISEI A4 NO.407C

ρ - a Curve (E - 22)

APPENDIX I - 23

ρ - a Curve (E - 23)



SEKISUI A4 NO.407C