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JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

**INSTITUTO DE FOMENTO MUNICIPAL
REPUBLIC OF GUATEMALA**

**THE STUDY
ON
GROUNDWATER DEVELOPMENT
IN THE CENTRAL PLATEAU AREA
IN
GUATEMALA**

DATA BOOK

JULY 1995

KOKUSAI KOGYO CO., LTD., TOKYO

UNITED STATES GOVERNMENT PRINTING OFFICE

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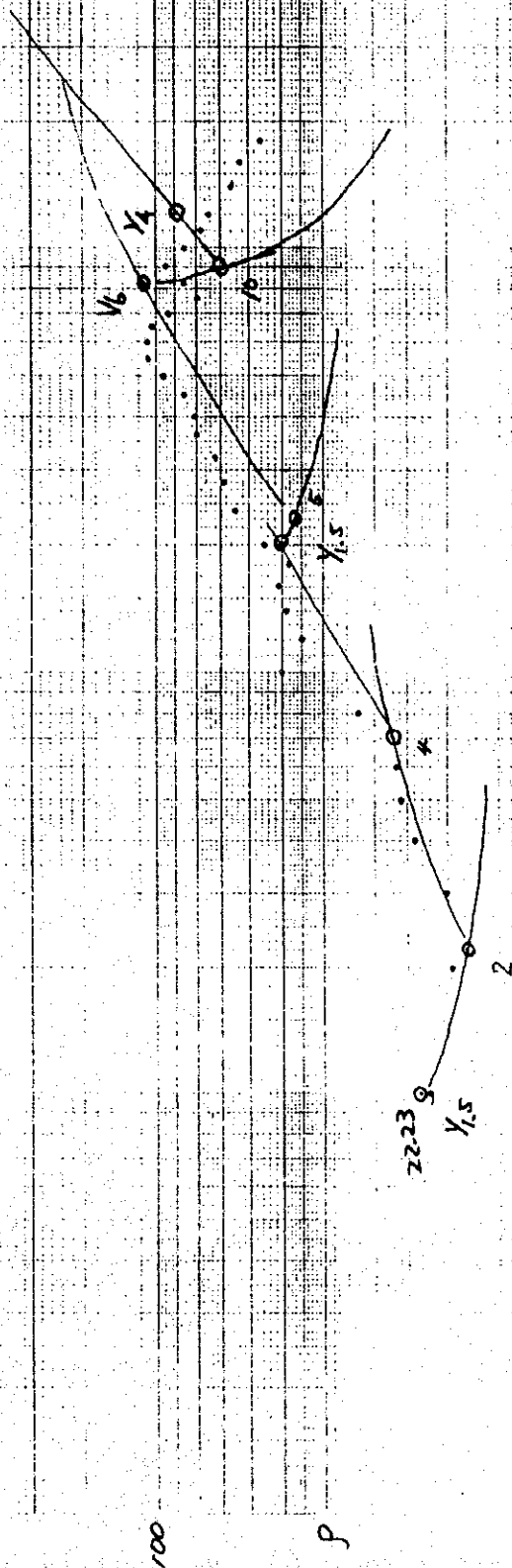
DATA BOOK

1. RESULTS OF ELECTRICAL PROSPECTING
2. RESULTS OF PUMPING TEST
3. RESULTS OF WATER QUALITY ANALYSIS
4. LAKE WATER LEVEL
5. DAILY GROUNDWATER LEVEL
6. MONTHLY RAINFALL RECORD
7. EXISTING WELL RECORD

1. RESULTS OF
ELECTRICAL PROSPECTING

(ρ -a curve)

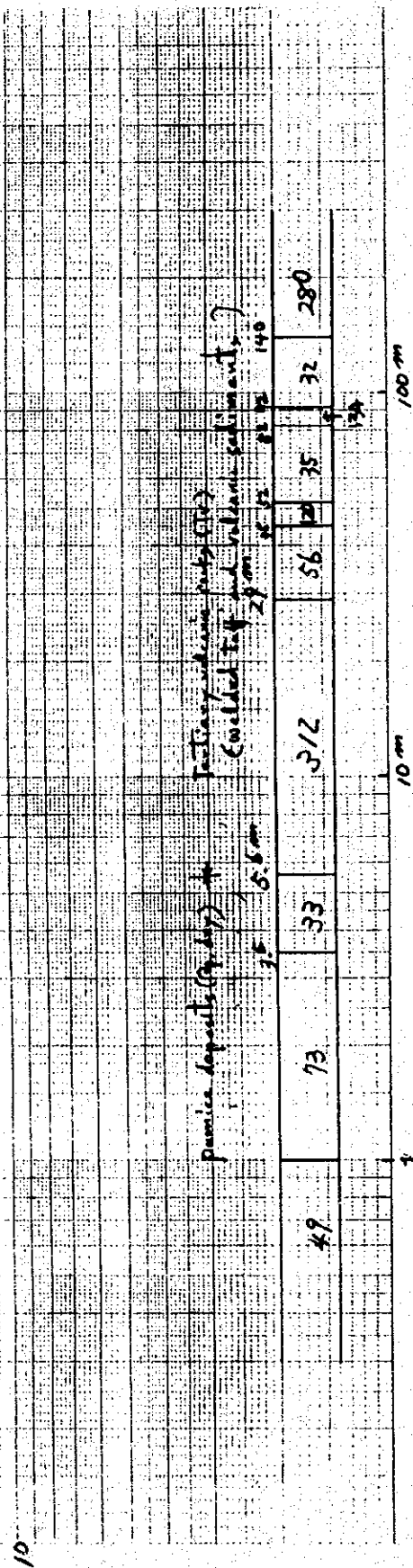
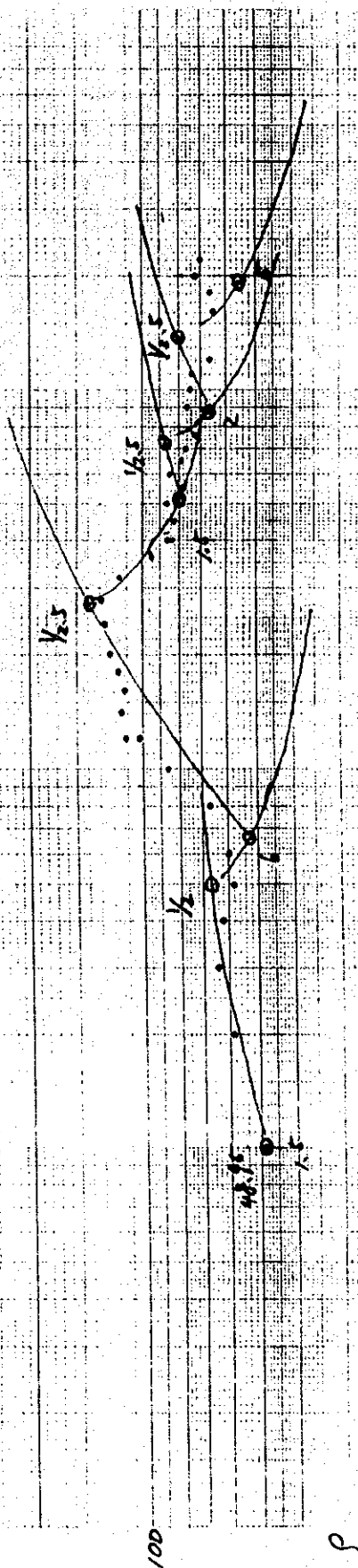
San Jose Pinar
No. 1



Result of Electrical Prospecting (ρ - a curve)

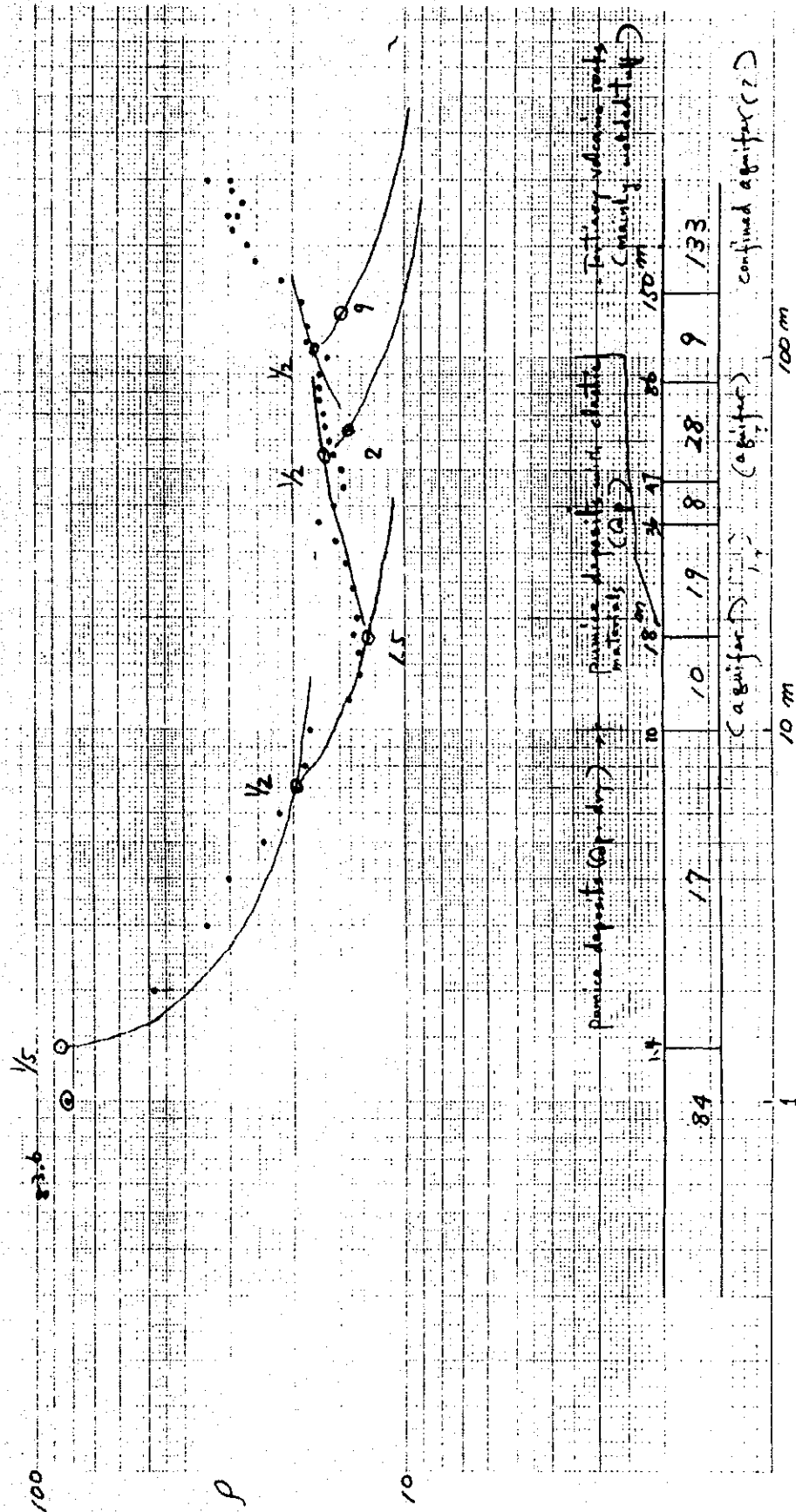
22	15	36	108	33	230	18	180	23
Pumice deposits (cap. dry)			Tertiary volcanic rocks (Ty)			Tertiary volcanic rocks (Ty)		
10 m			10 m			100 m		
						(welded tuff and volcanic sediments)		

No 2



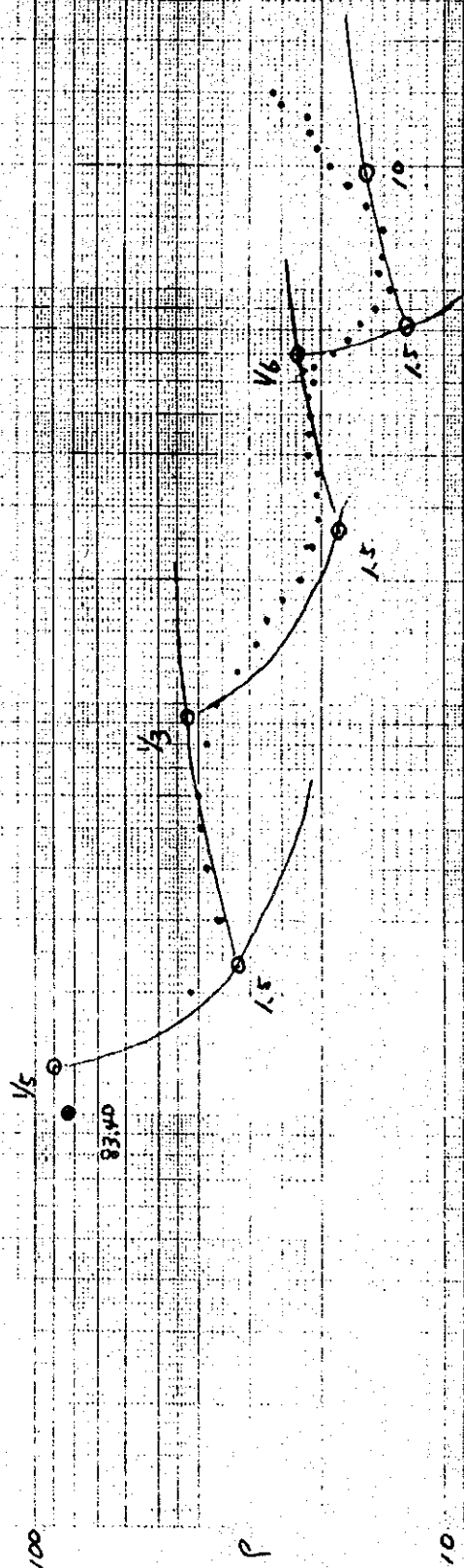
Result of Electrical Prospecting (ρ -a curve)

San Jose Pinula
N0.3



Result of Electrical Prospecting (ρ -a curve)

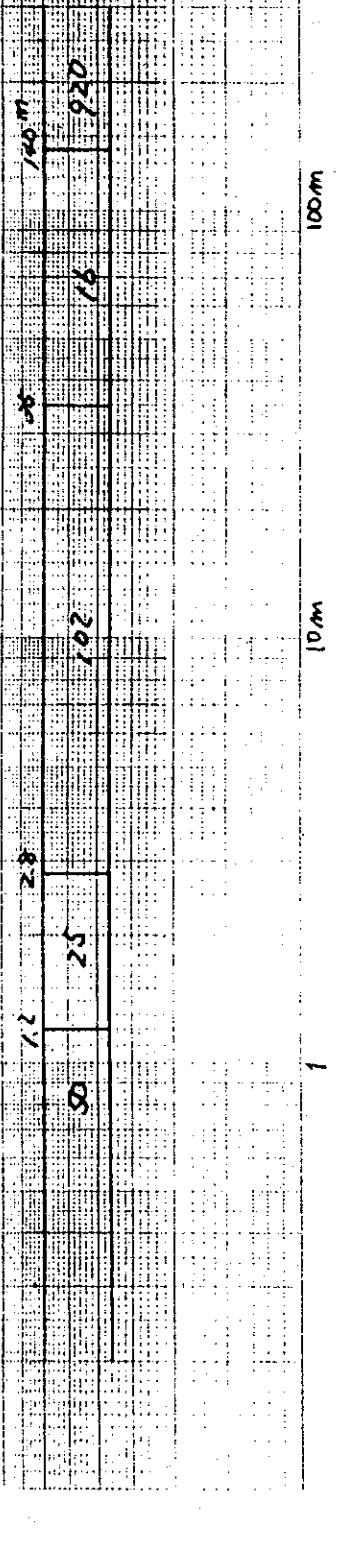
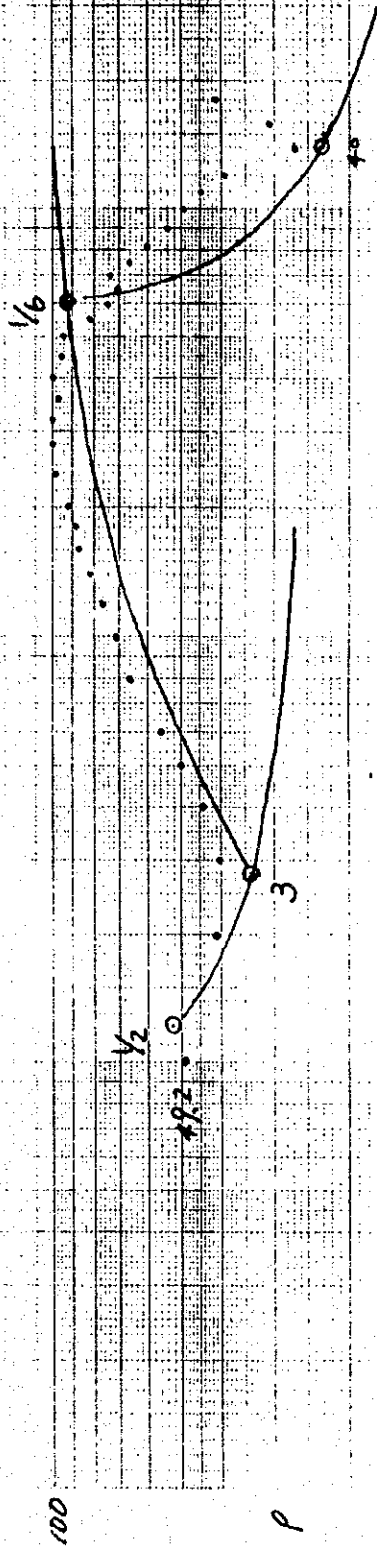
No. 4



	Purmin deposits (Op. day)	Purmin deposits - materials (Op. day)	Purmin deposits - fuel (Op. day)	Turbine maintenance (mainly welding)
1.9	2.5	7 m	30	58 m
	18	48	27	4
83		14		18
			(agitating)	155
				confined after 22
				100 m
				10 m
1				

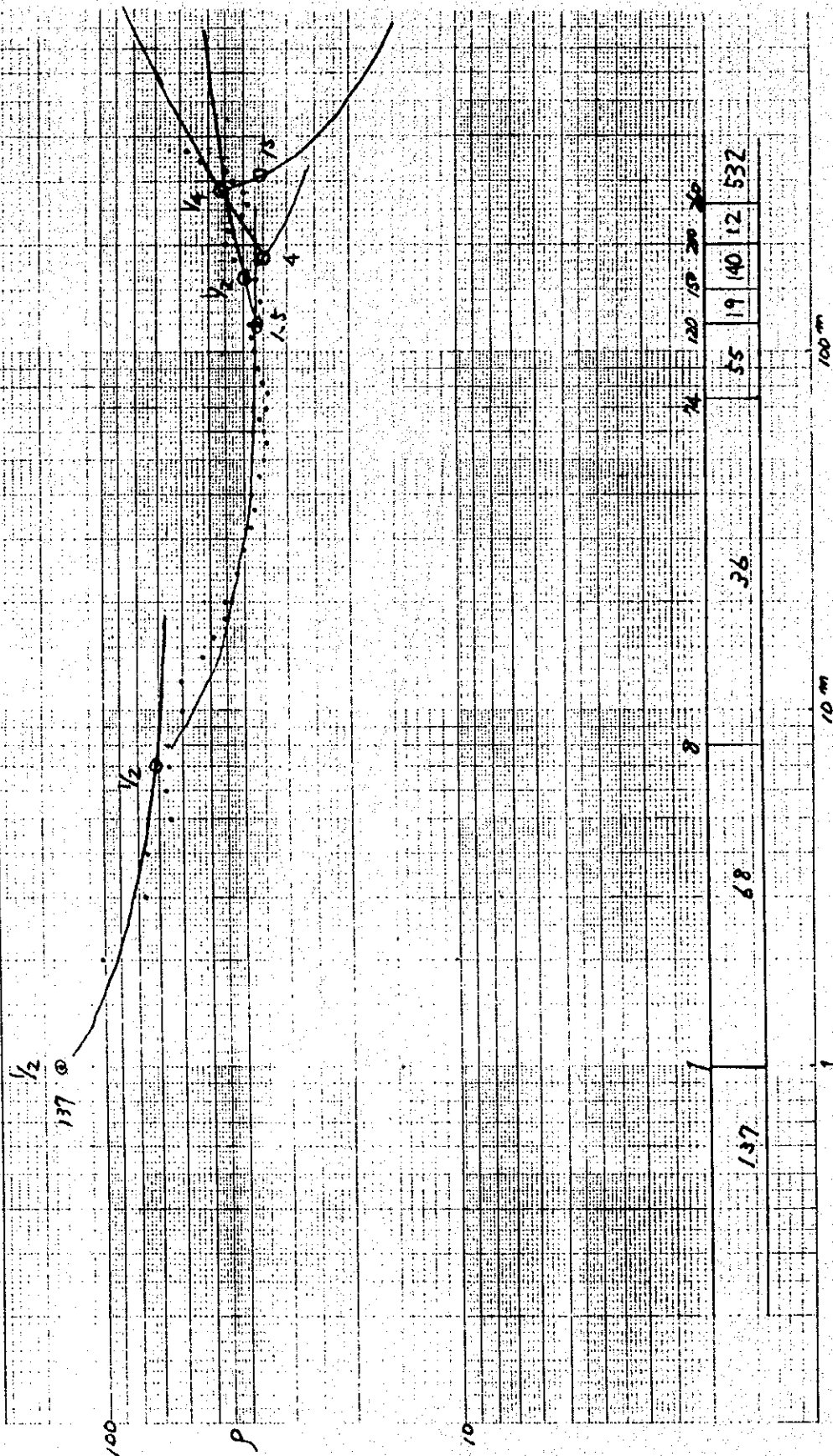
Result of Electrical Prospecting (ρ -a curve)

San Jose Pimula La No. 5



Result of Electrical Prospecting (ρ - a curve)

San Pedro Sacatepéquez

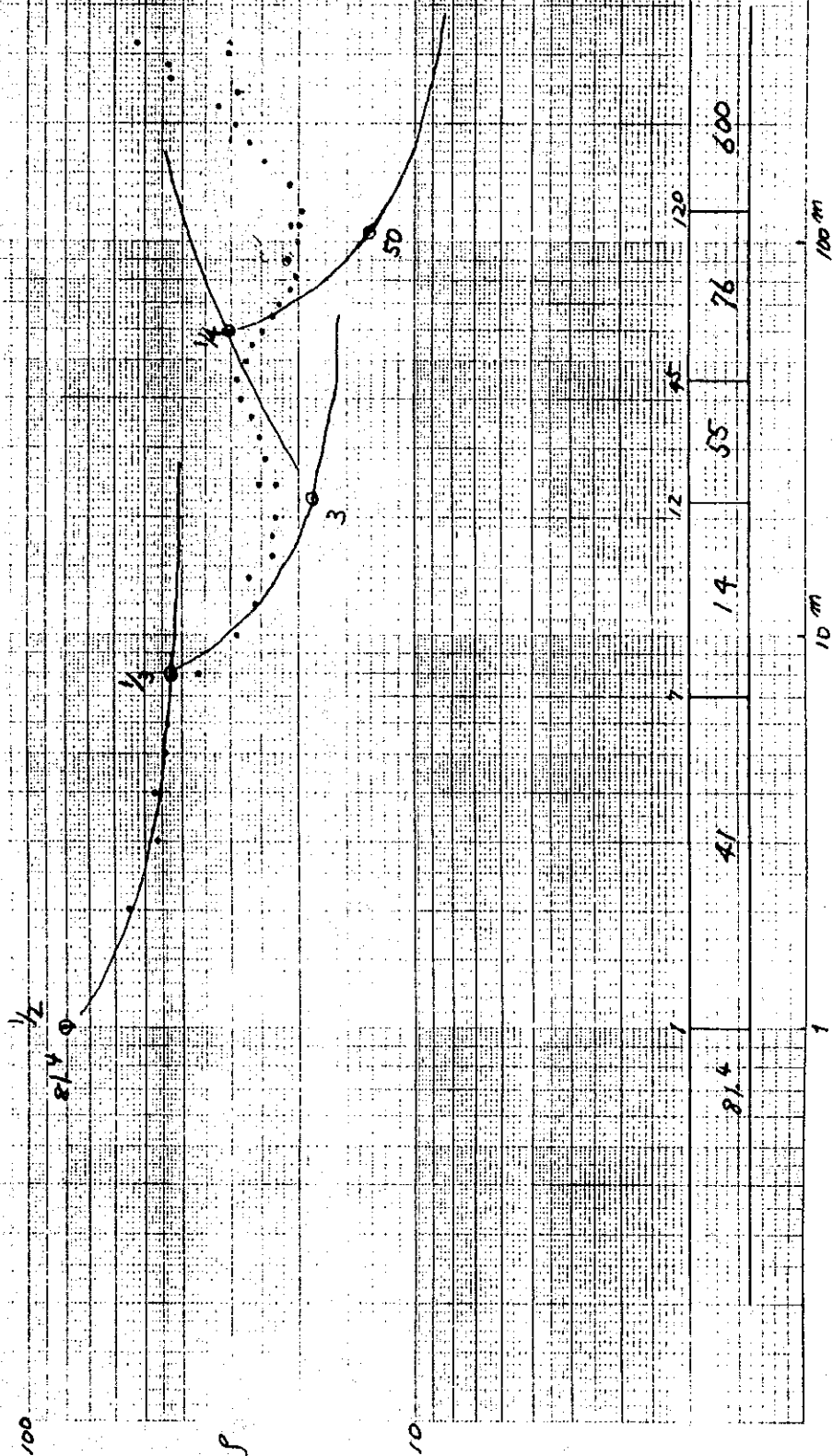


Result of Electrical Prospecting (ρ -a curve)

Nº 2. San Pedro Sacatepéquez

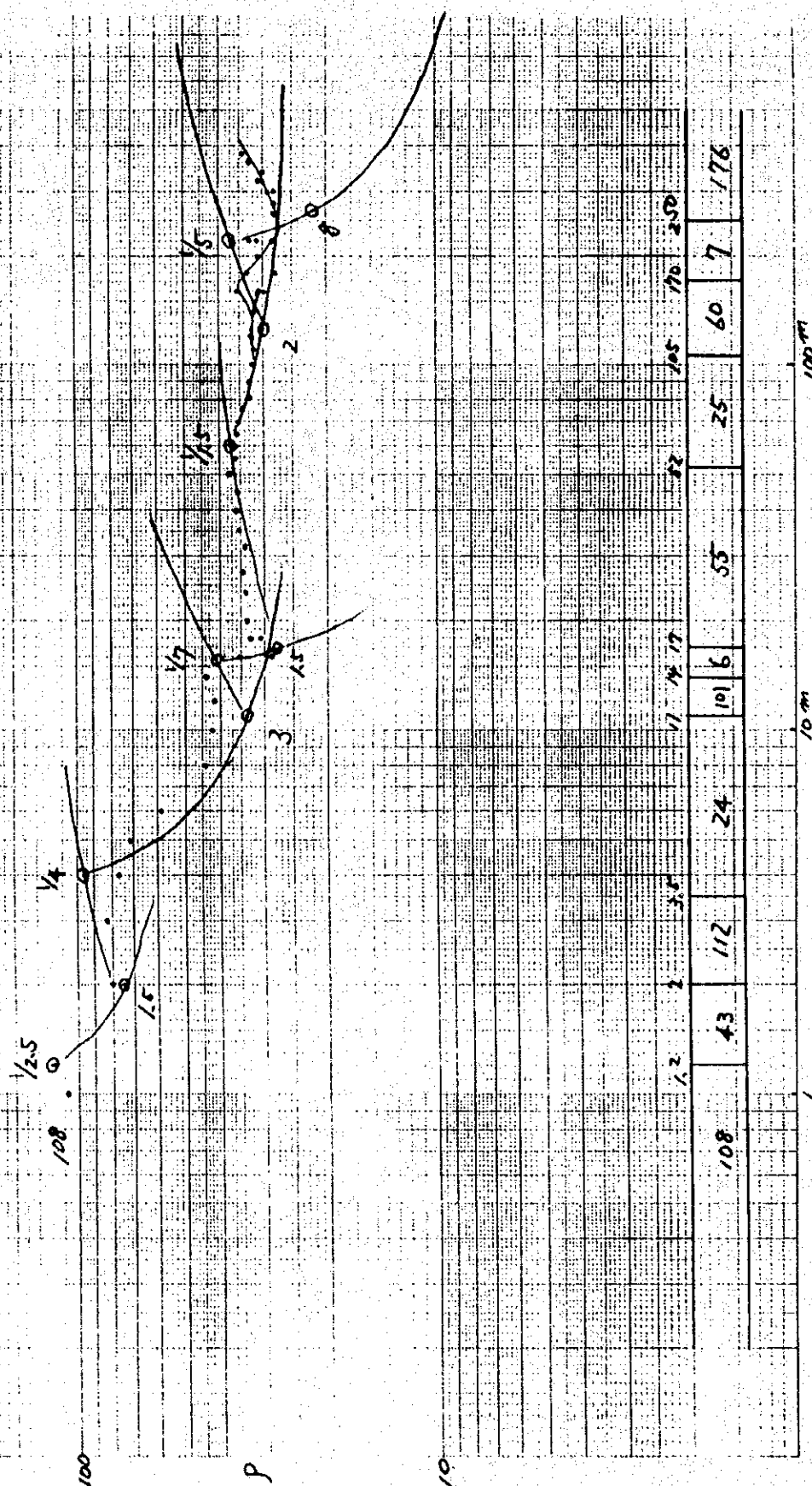
San Pedro Sacatepéquez

Nº 2



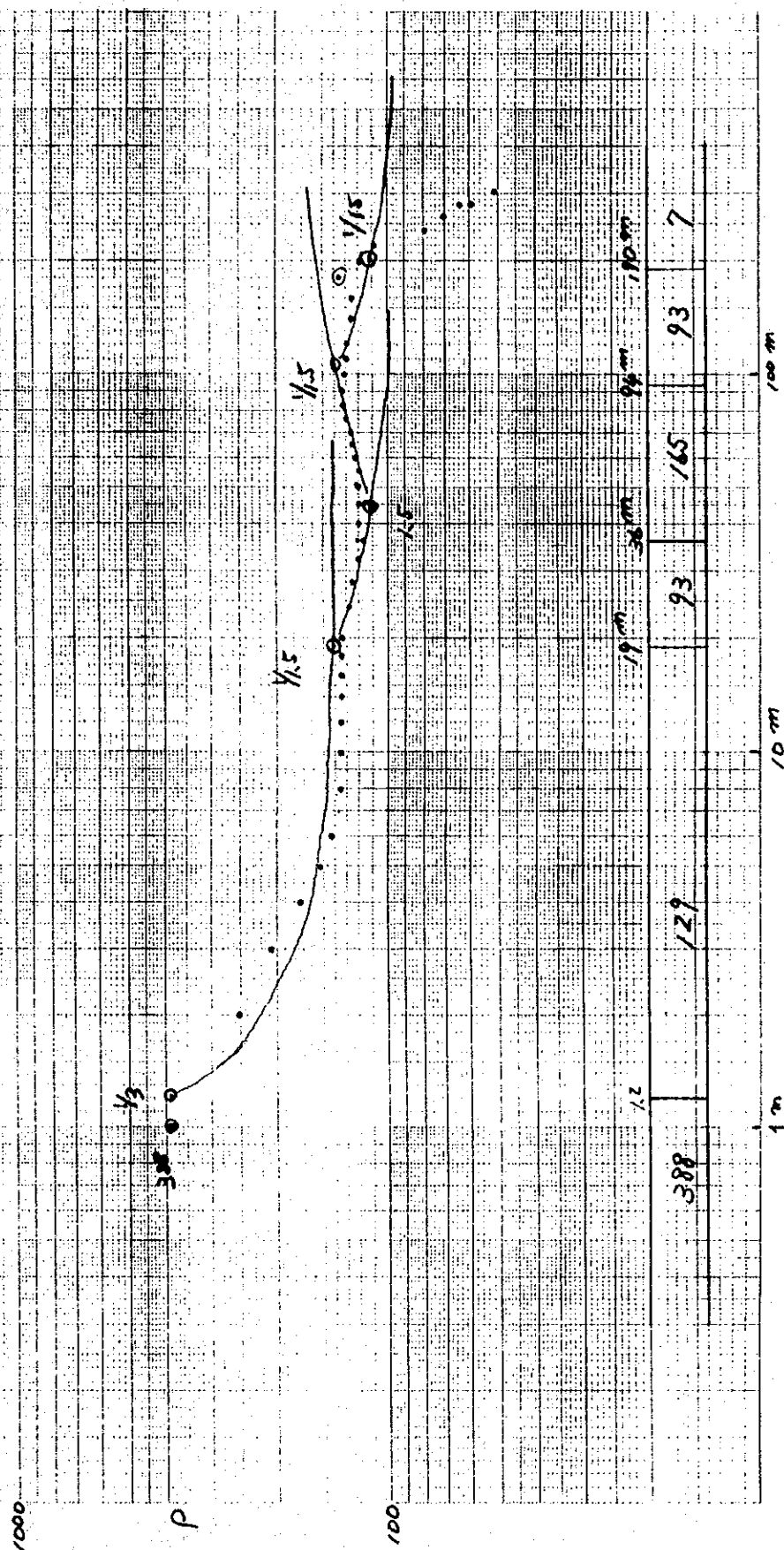
Result of Electrical Prospecting (ρ -a curve)

NO. 3



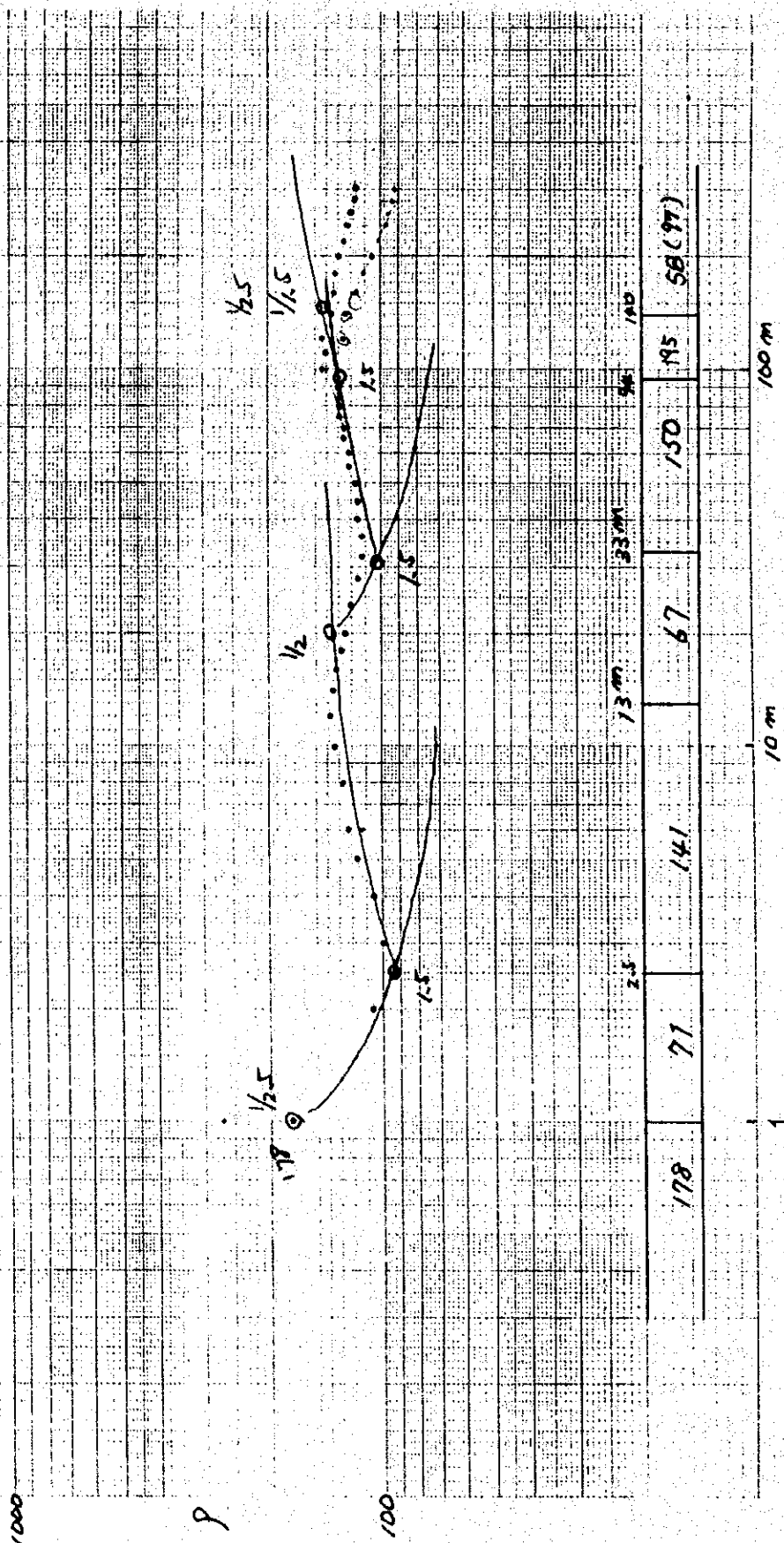
Result of Electrical Prospecting (ρ -a curve)

Santa Maria de Jesus	No. 1
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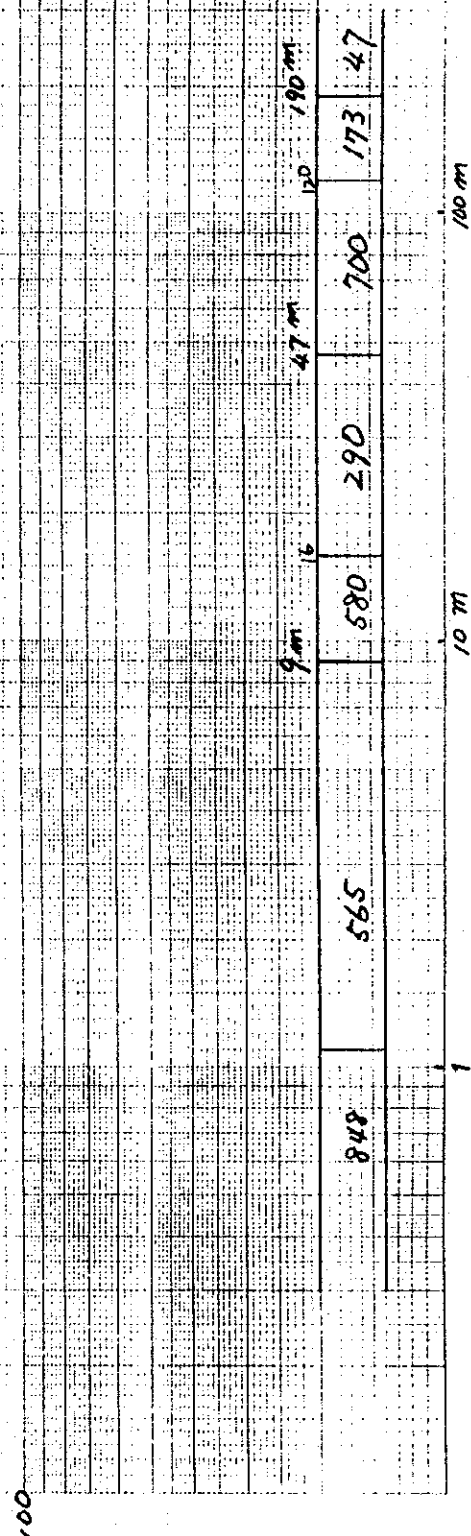
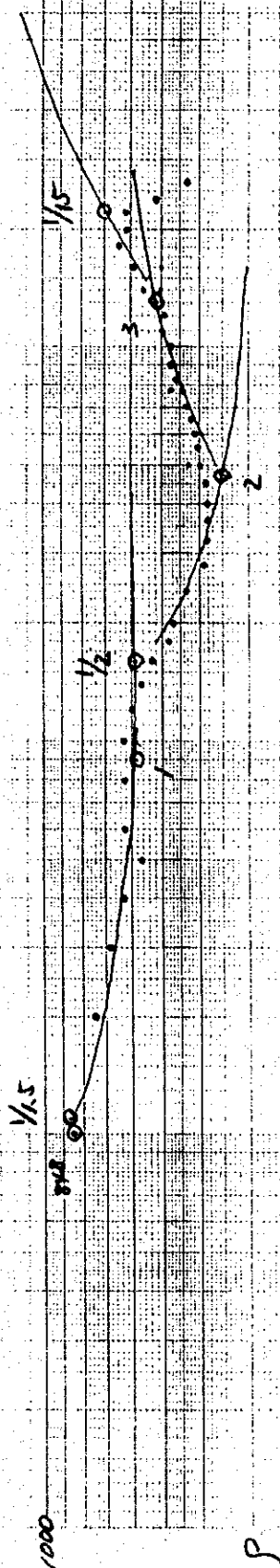
Result of Electrical Prospecting (ρ -a curve)

No. 2



Result of Electrical Prospecting (ρ - a curve)

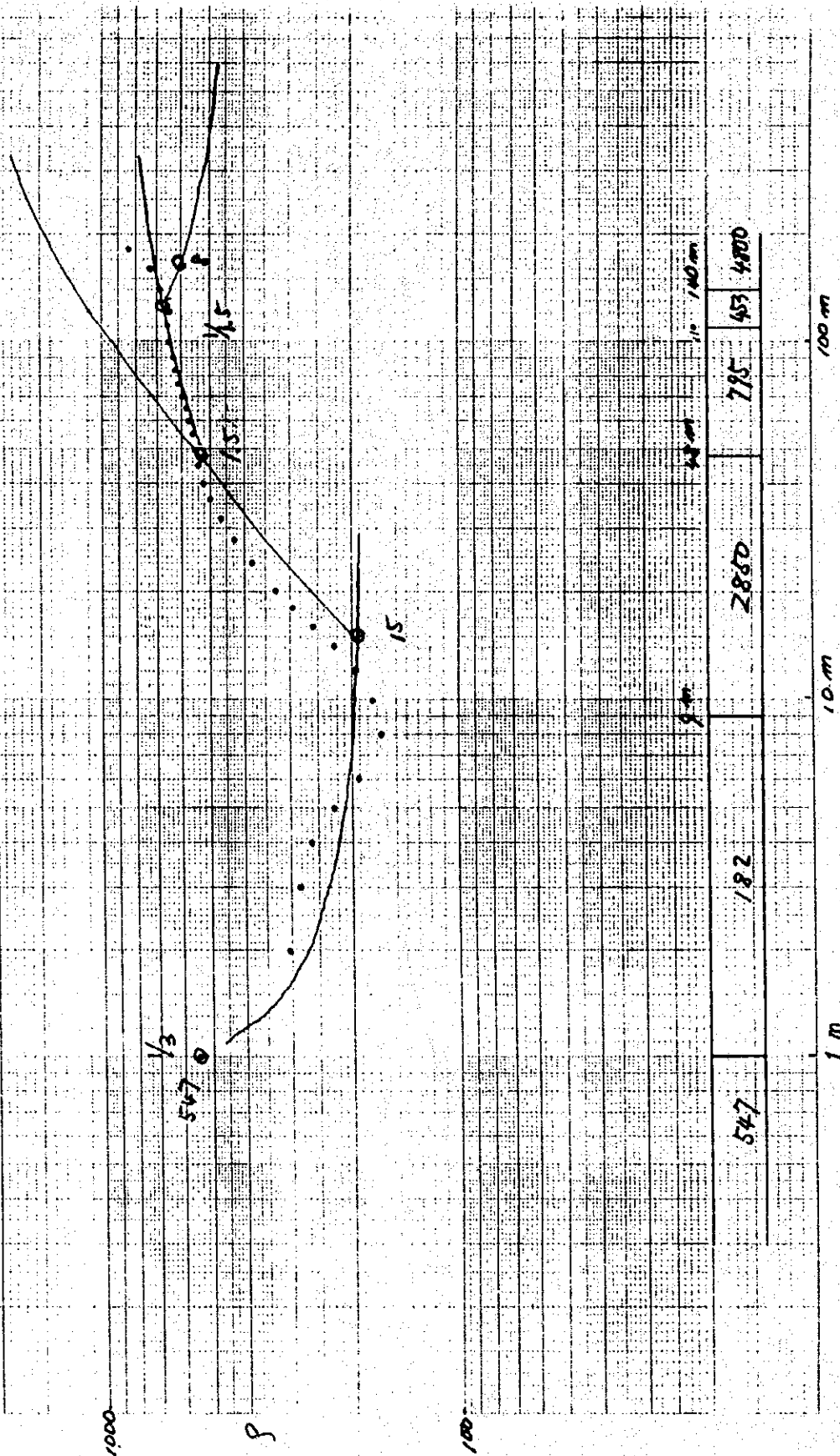
Santa Maria de Jesus
No. 3



Result of Electrical Prospecting (ρ - a curve)

Santa Maria de Jesus

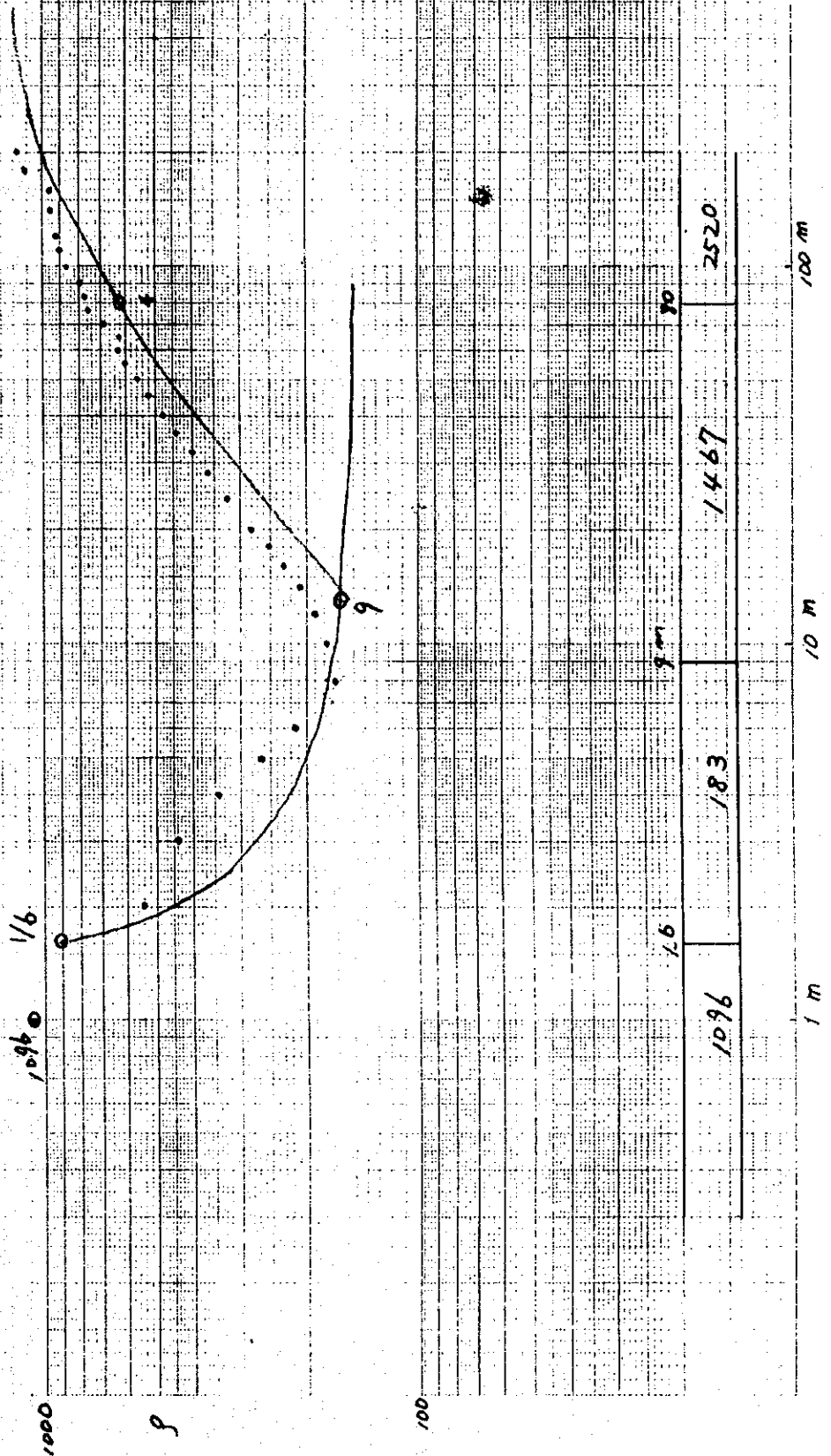
NO. 4



Result of Electrical Prospecting (ρ - a curve)

Santa Maria de Jesus

No. 5



Result of Electrical Prospecting (ρ - a curve)

Santa Maria de Jesus

NO. 6 (well)

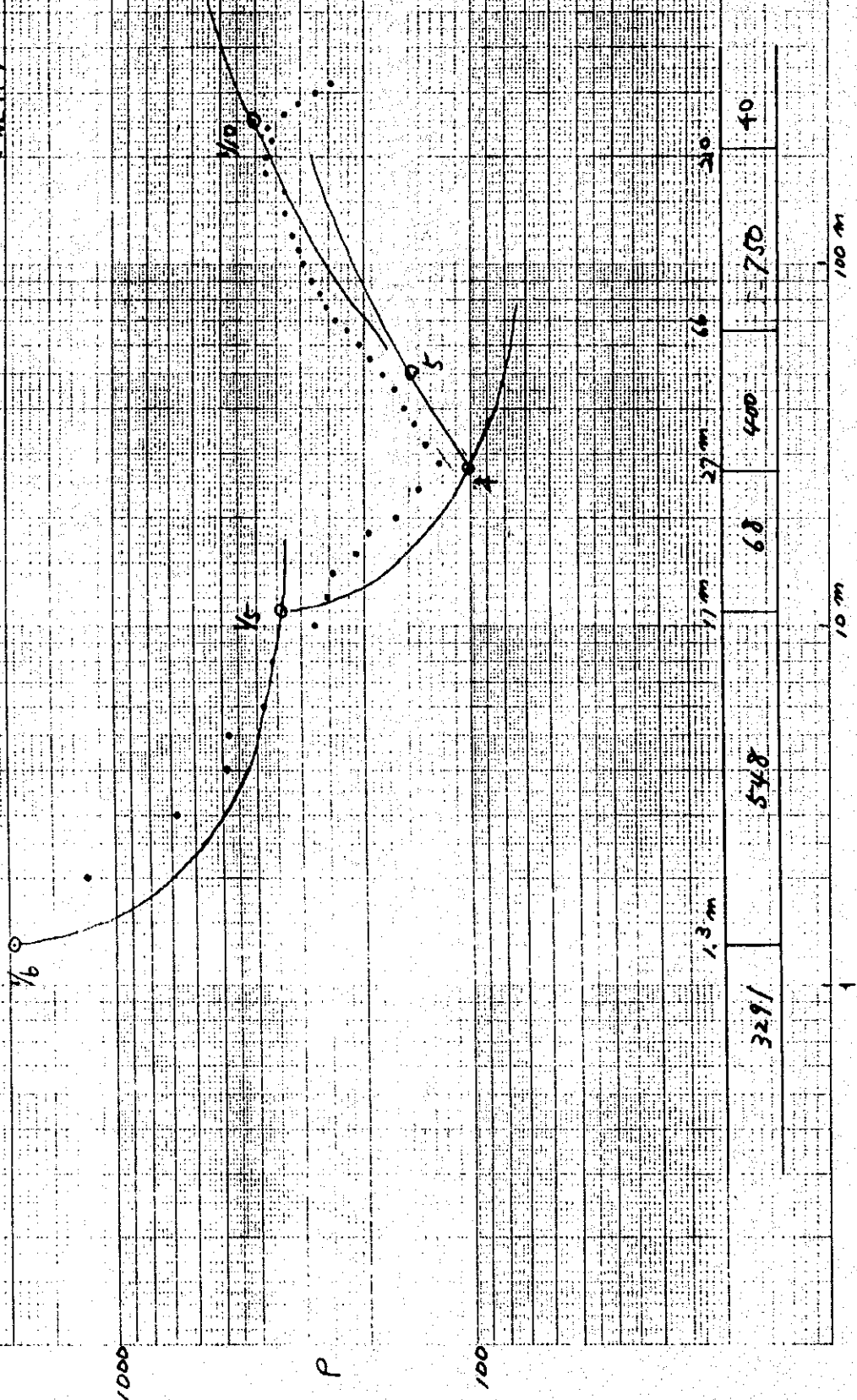
3291

1/6

1000

ρ

100



40

750

400

68

548

3291

66

27m

17m

1.3m

100 m

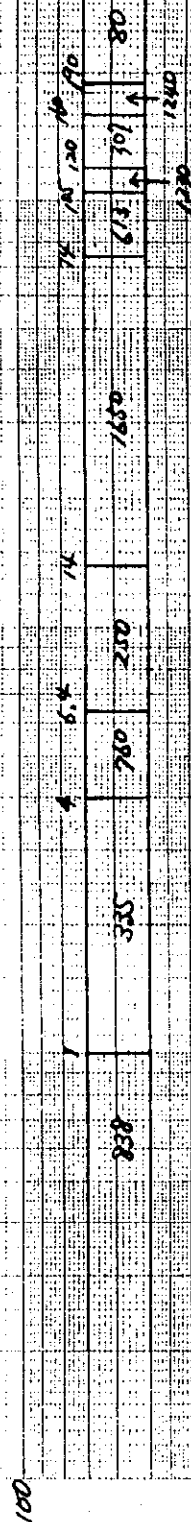
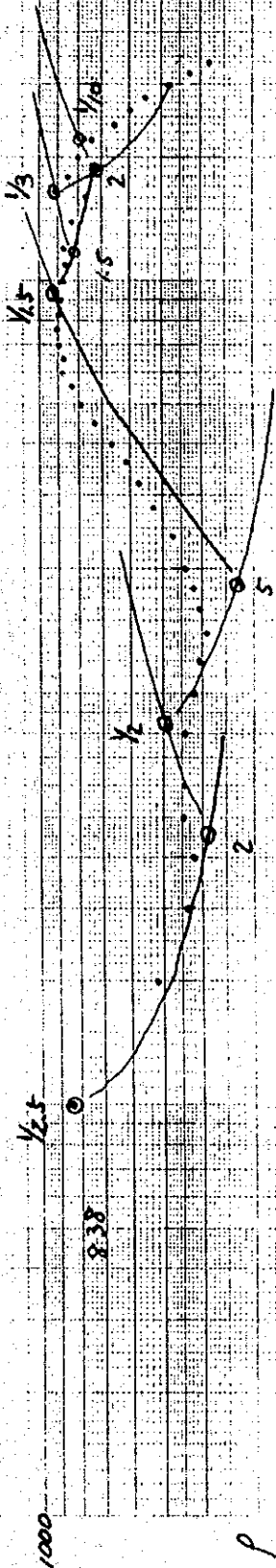
10 m

1

Result of Electrical Prospecting (ρ -a curve)

No. 7 Santa M Jesus

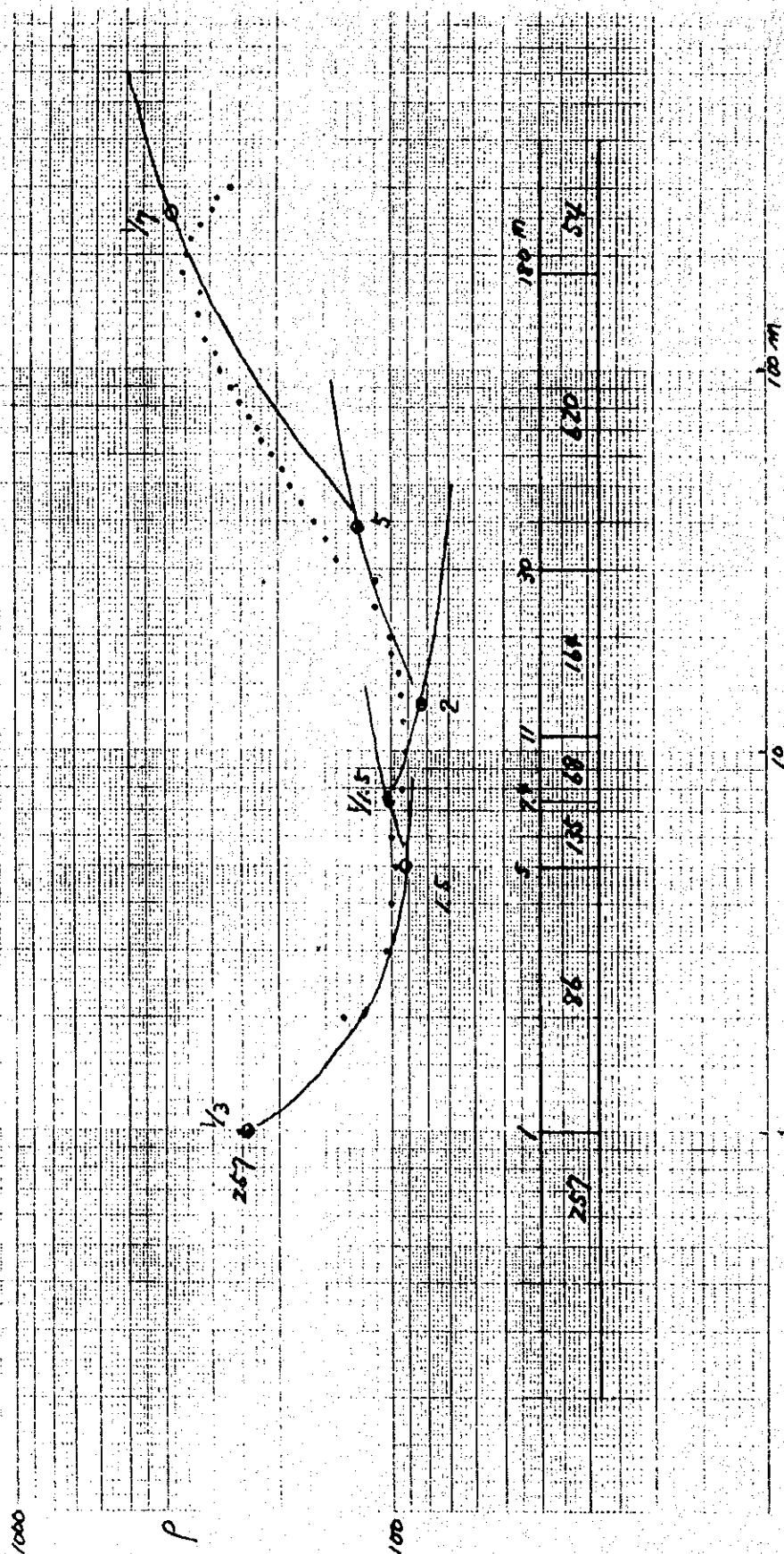
Santa Maria de Jesus
No. 7



Result of Electrical Prospecting (ρ - a curve)

No. 8 Santa M.

Santa Maria de Jesus
No. 8



Result of Electrical Prospecting (ρ - a curve)

5

4-3



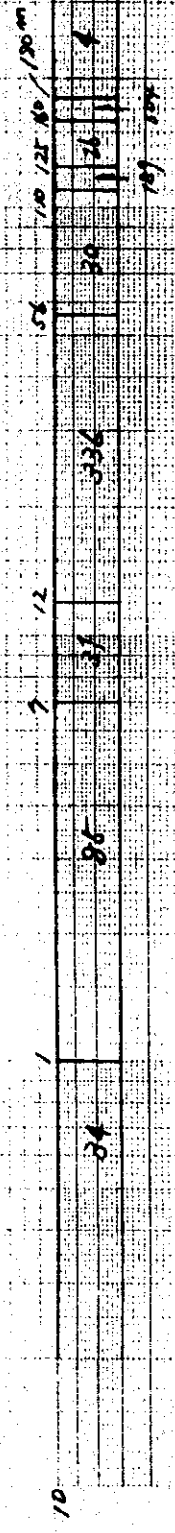
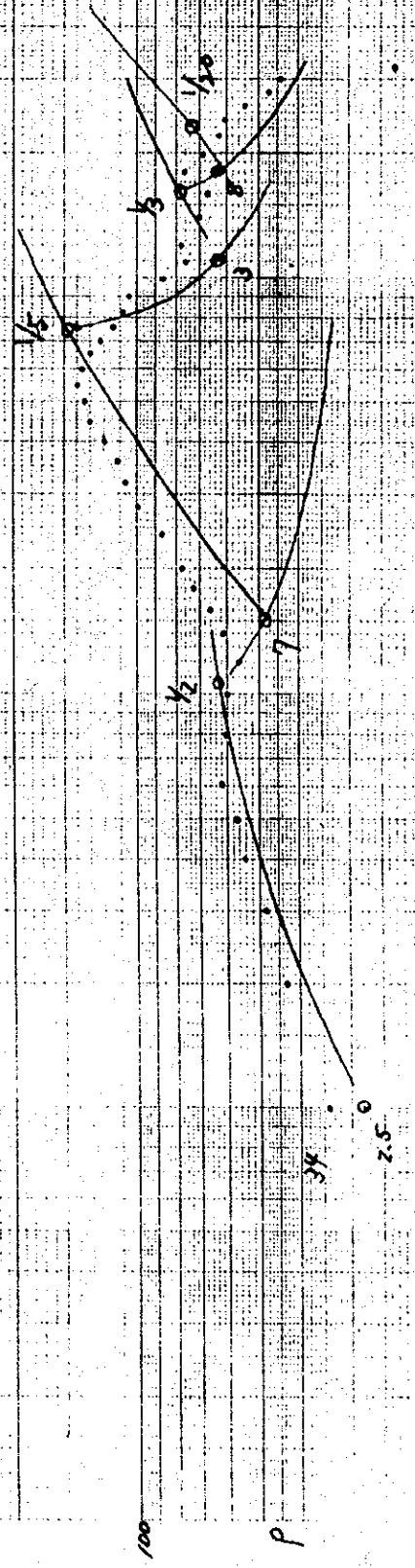
Result of Electrical Prospecting (ρ - a curve)

San Martin Jilotepec

No. 2

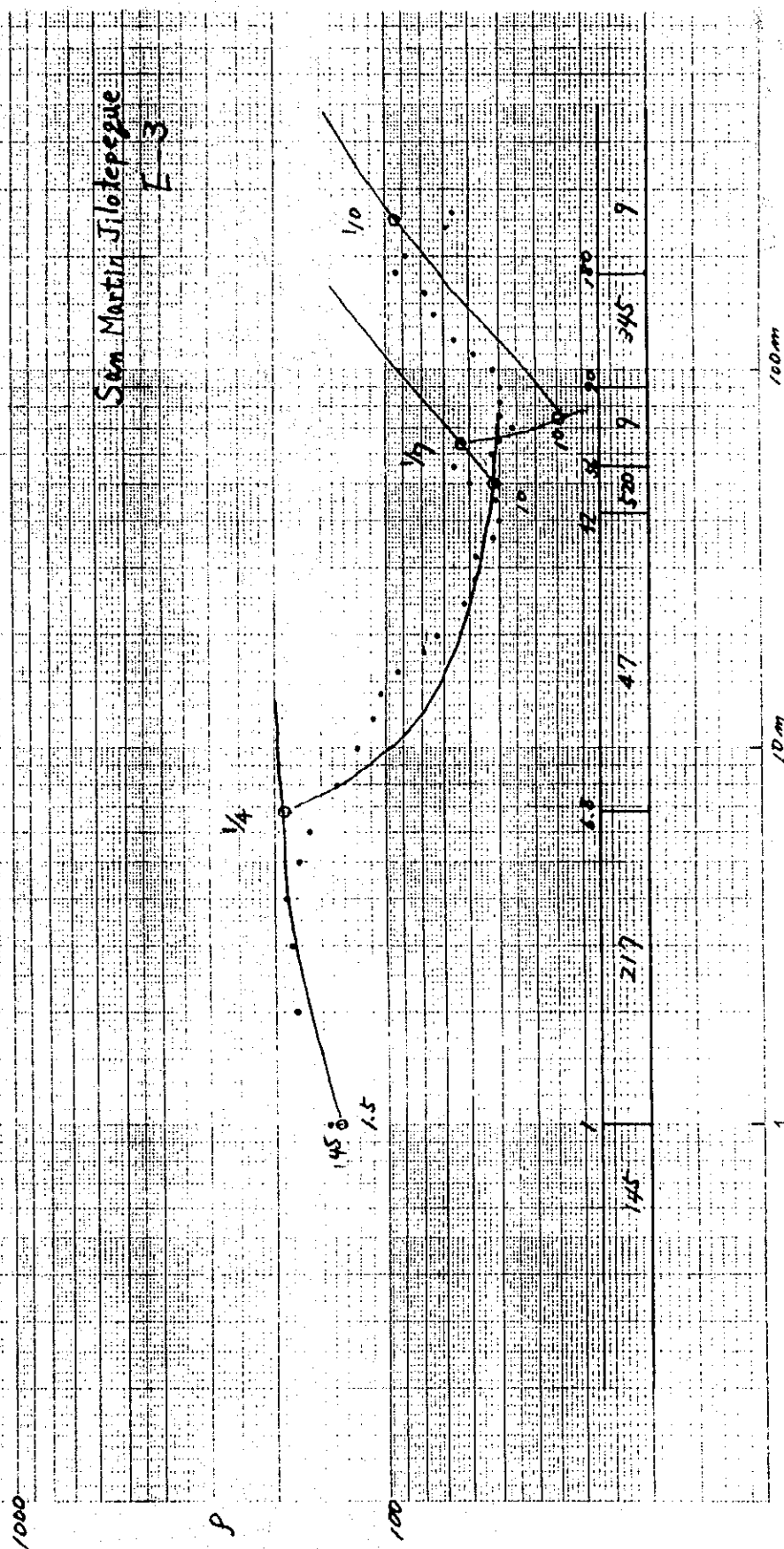
San Martin Jilotepec

E+2



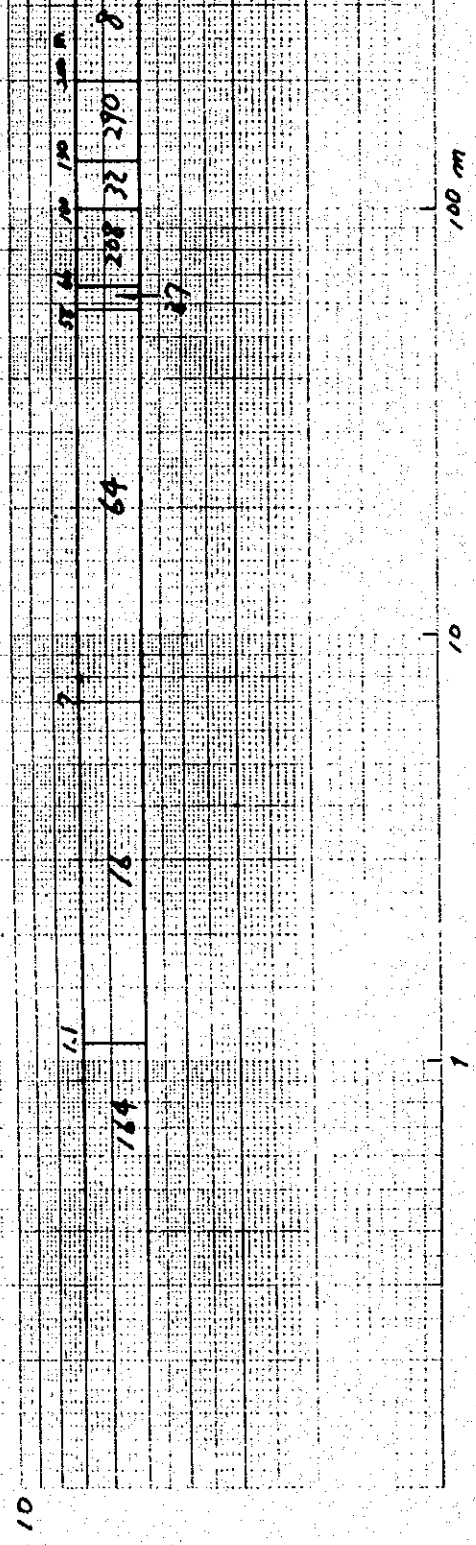
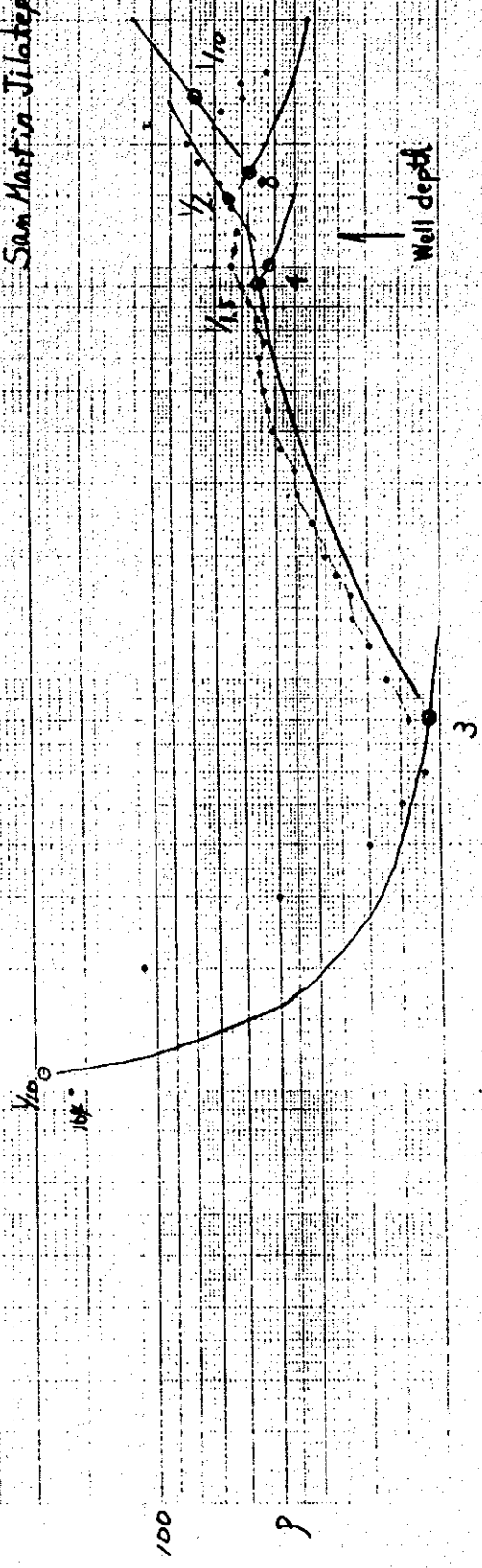
Result of Electrical Prospecting (p - a curve)

San H. Jiritepeque



Result of Electrical Prospecting (ρ -a curve)

San Martin Jilapeque
E-4



Result of Electrical Prospecting (ρ - a curve)

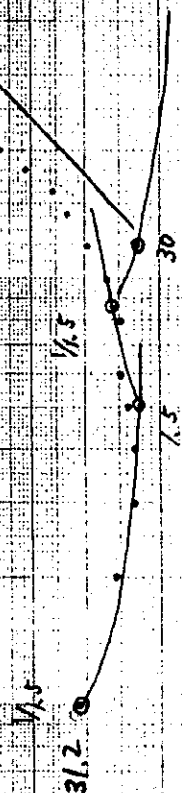
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Comalapa
E-1

100

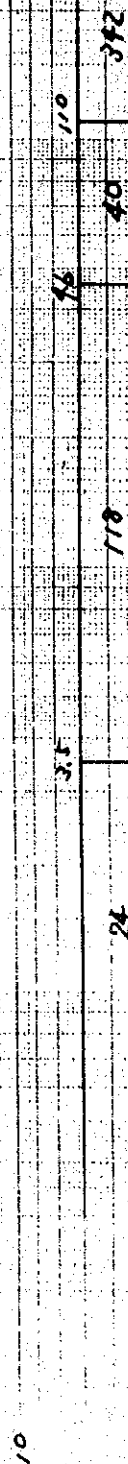
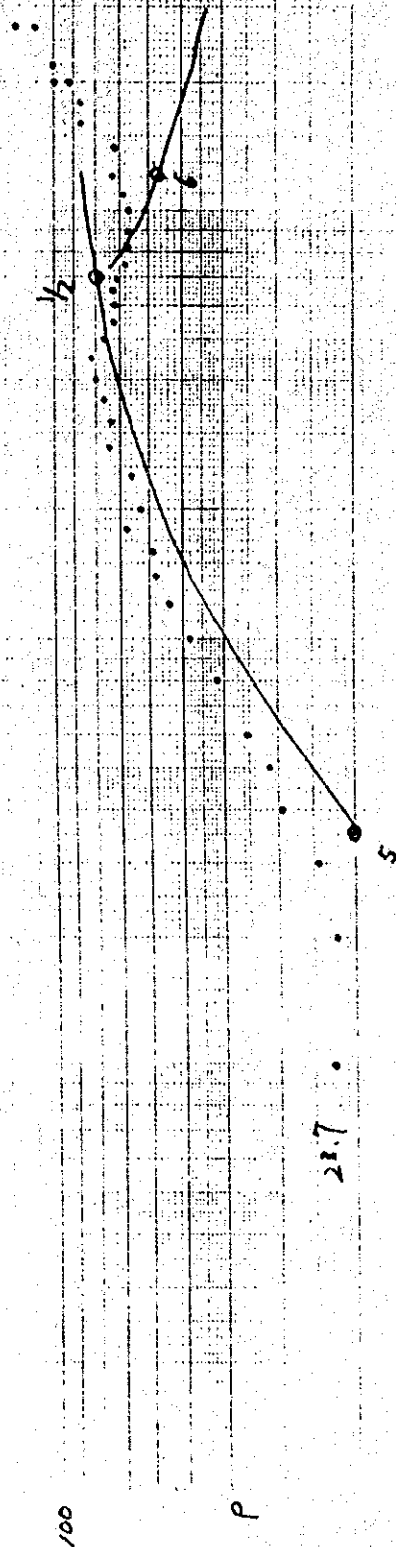
P



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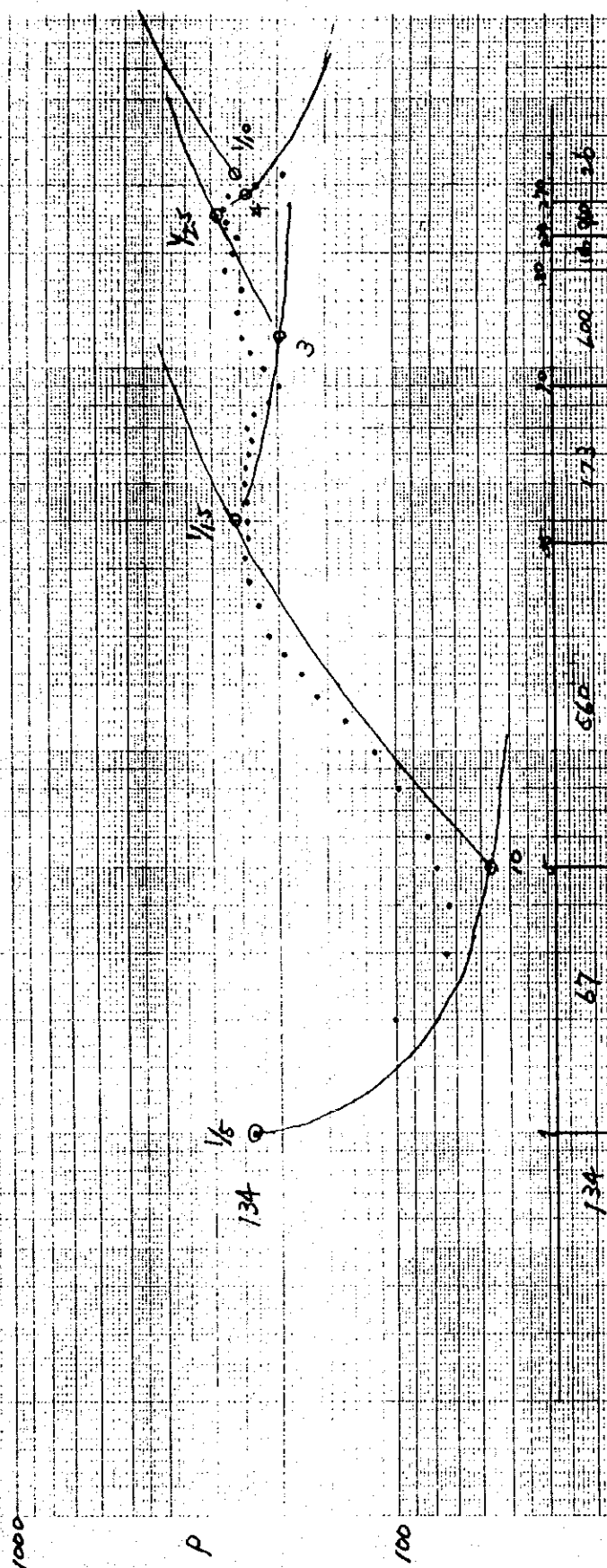
No. 2 Camalapa

Camalapa E-2



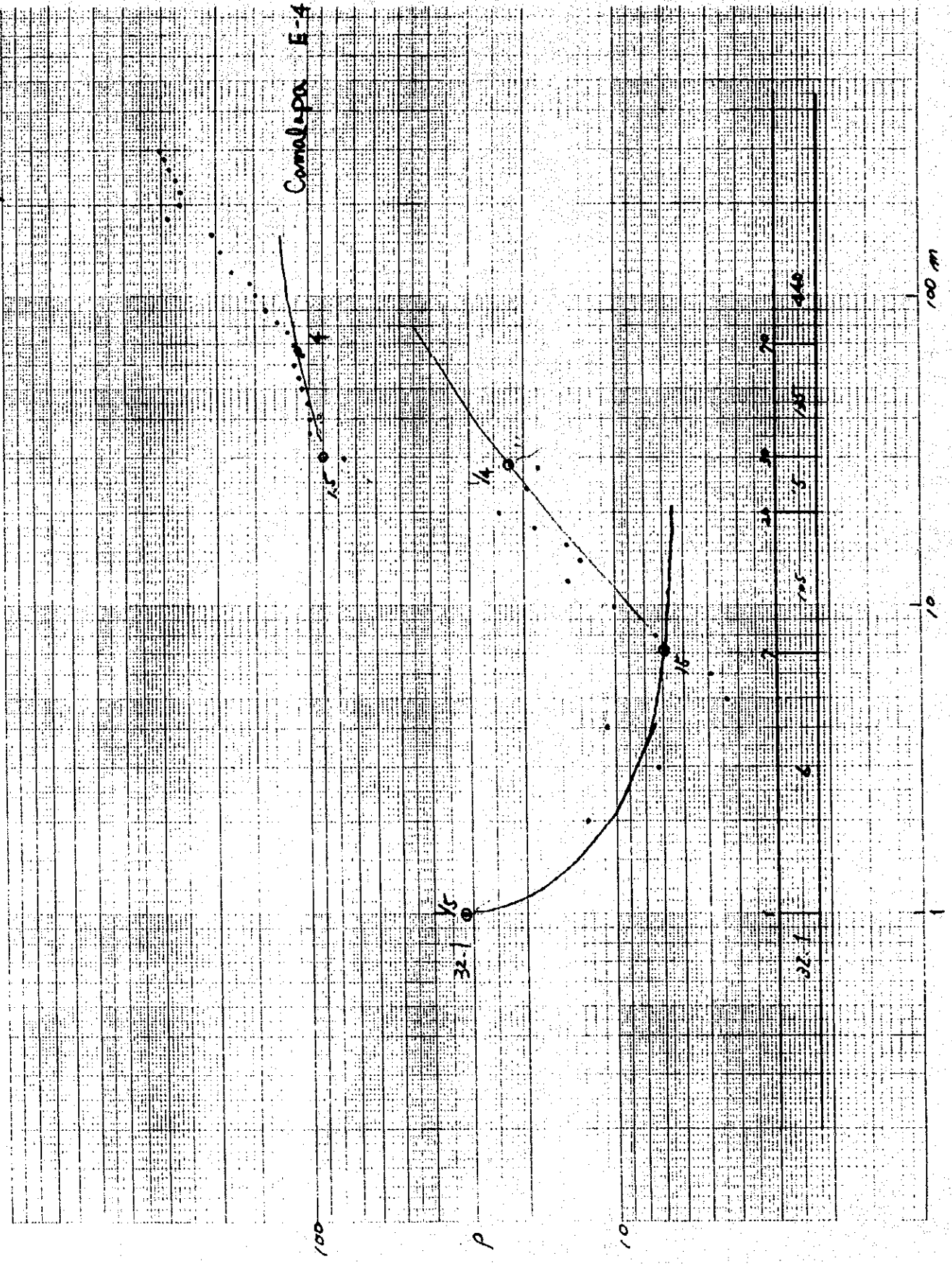
Result of Electrical Prospecting (ρ - a curve)

Comalapa E-3



Result of Electrical Prospecting (ρ -a curve)

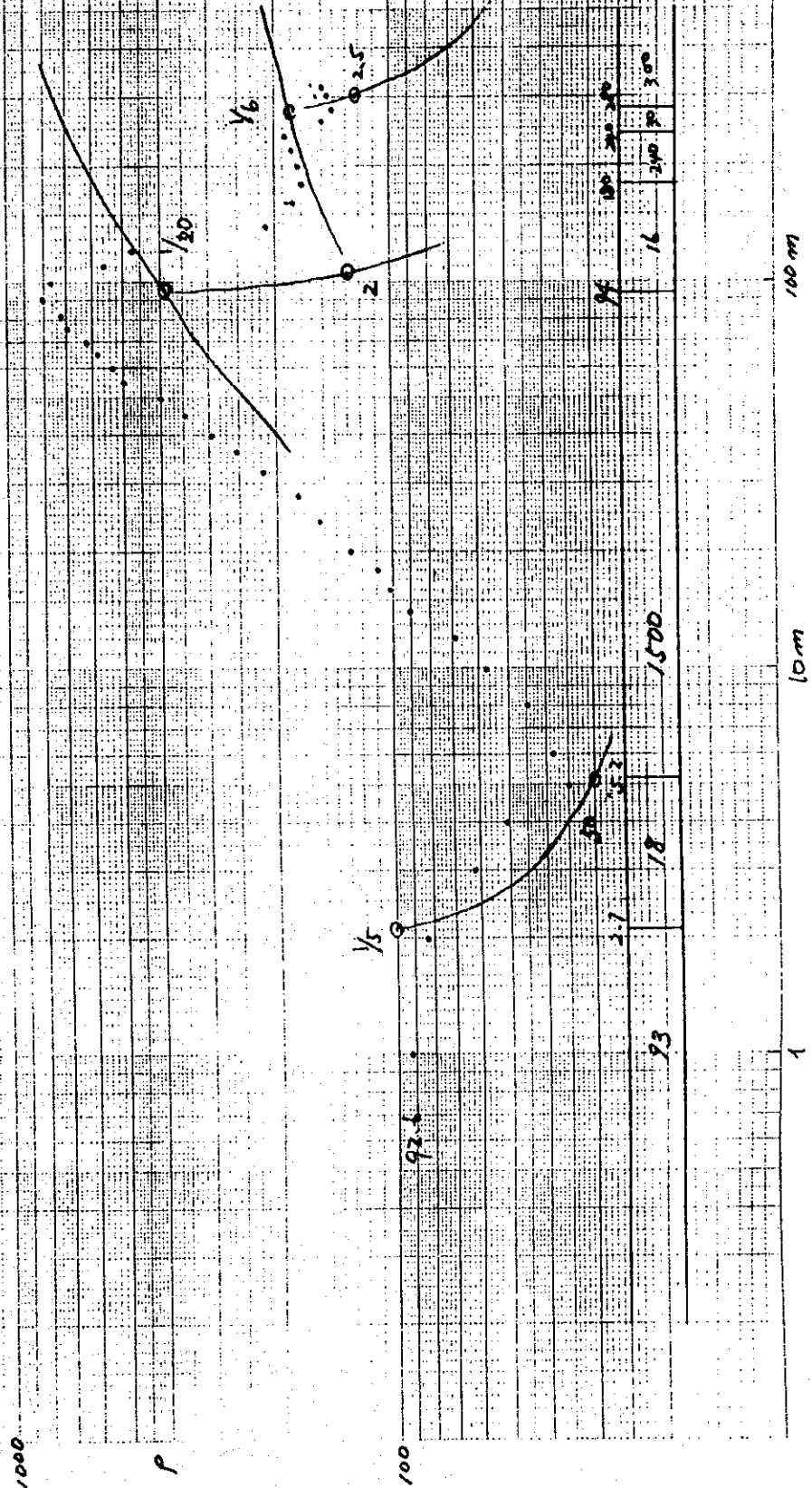
1004 Comalapa E-4



Result of Electrical Prospecting (ρ -a curve)

5/11 16.5 Comalapa

Comalapa E-5

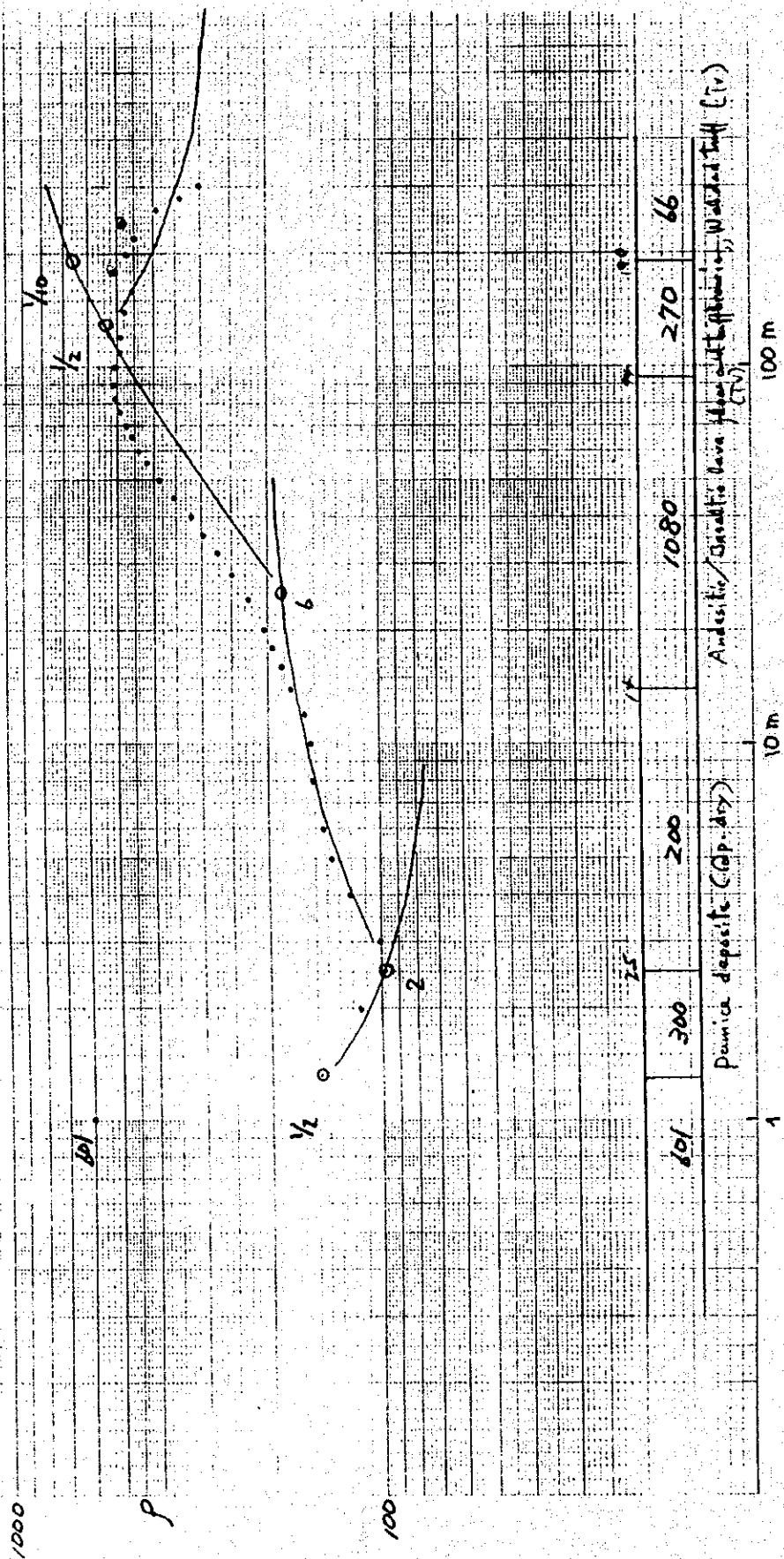


Result of Electrical Prospecting (ρ -a curve)

SOLOLA

100

Solola No. 1

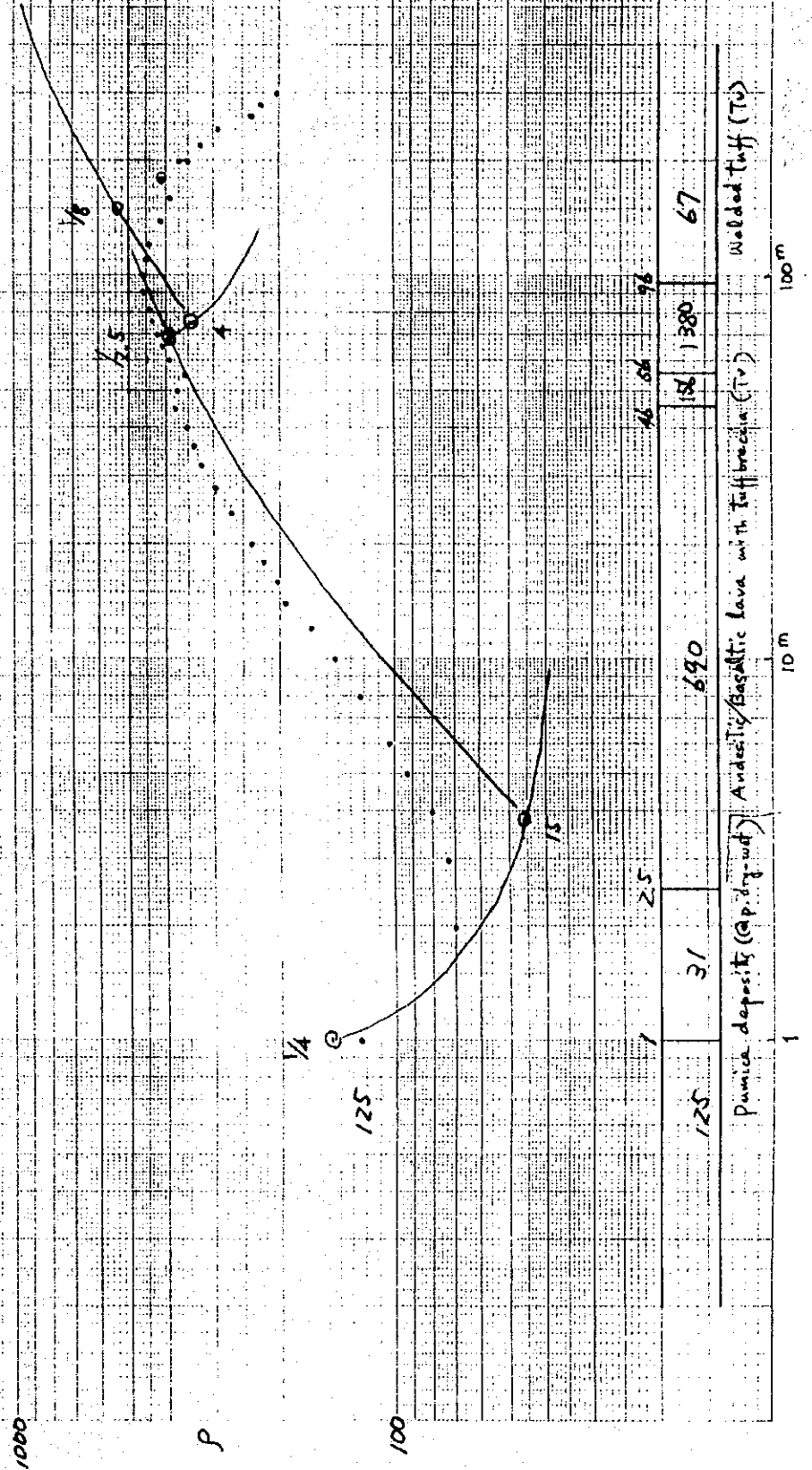


Result of Electrical Prospecting (ρ - a curve)

62-1-p

S-b. la NO. 2

Solida No. 2



Result of Electrical Prospecting (ρ -a curve)

Solofo No.3

Solofo No.3

1000

100

Result of Electrical Prospecting (ρ -a curve)

