

5. Test Drilling and Pumping Test

Geological log

THE STUDY OF
GROUNDWATER DEVELOPMENT POTENTIAL IN THE WESTERN REGION DOMINICAN REPUBLIC

Date: 14. 10. 1991

Borehole No.: No. 1 (J05/91)

Province: Monte Cristi

Drilled by the Mr. JICARL

Location/Estate:

Date of Completion: 14. 10. 1991

Region: E 1 N 0 0 0 0 0 0 0 0 0 0 0 0

Date of Commencement: 9. 10. 1991

Longitude: W. 71° 28' 18" Latitude: N. 19° 50' 32"

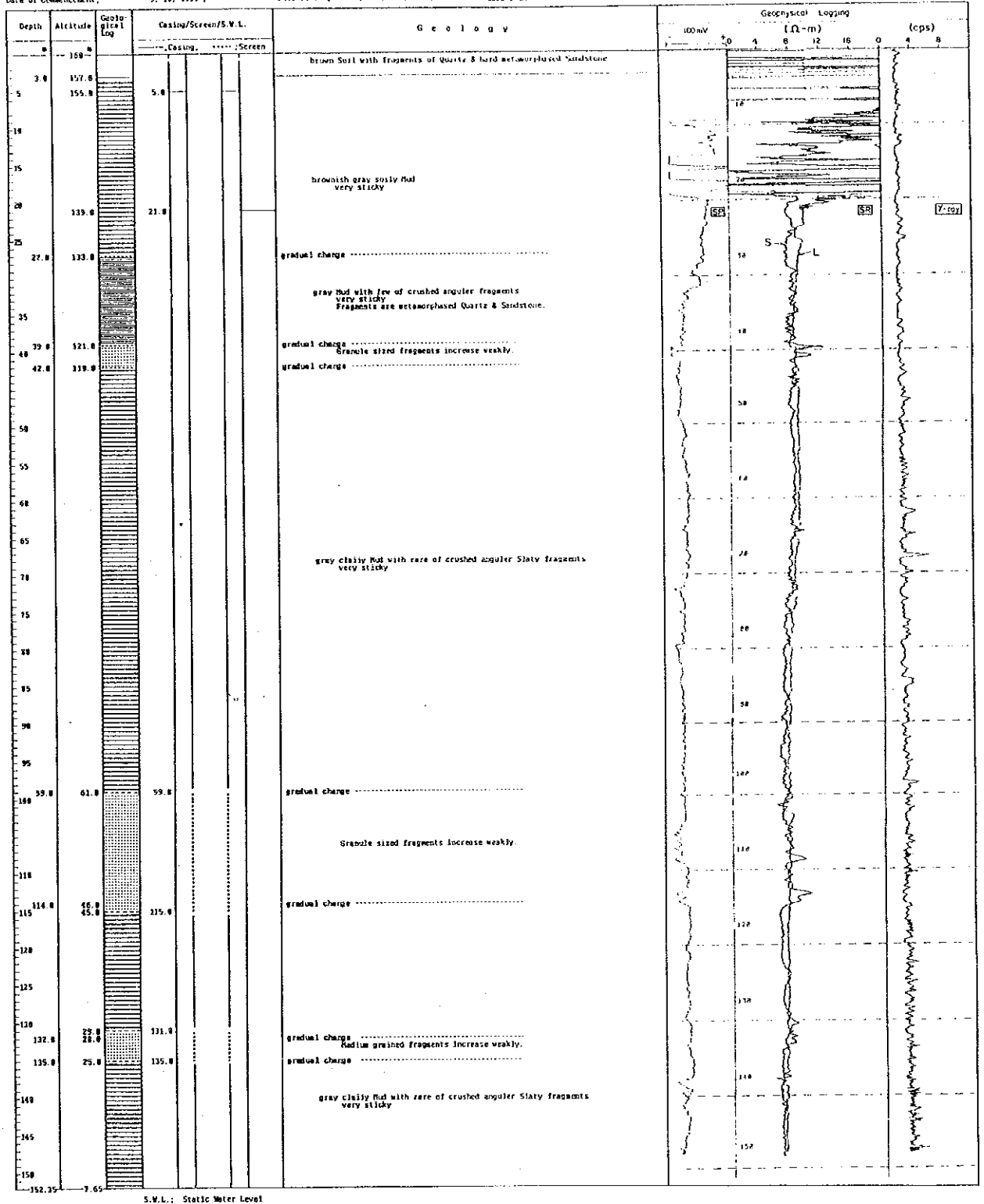


Fig.5.3.1 Geological Log (I)

1777

Geological Log

THE STUDY ON
GUINAWADA DEVELOPMENT PROJECT IN THE WESTERN HONDU DOMINICAN REPUBLIC

Date: 7, 30, 1991

Borehole No.: No. 2 (JCA/91)

Location/State:

Province: Norte Cristó

Drilled by: Ude. No. JICA91

RID.:

Date of Commencement:

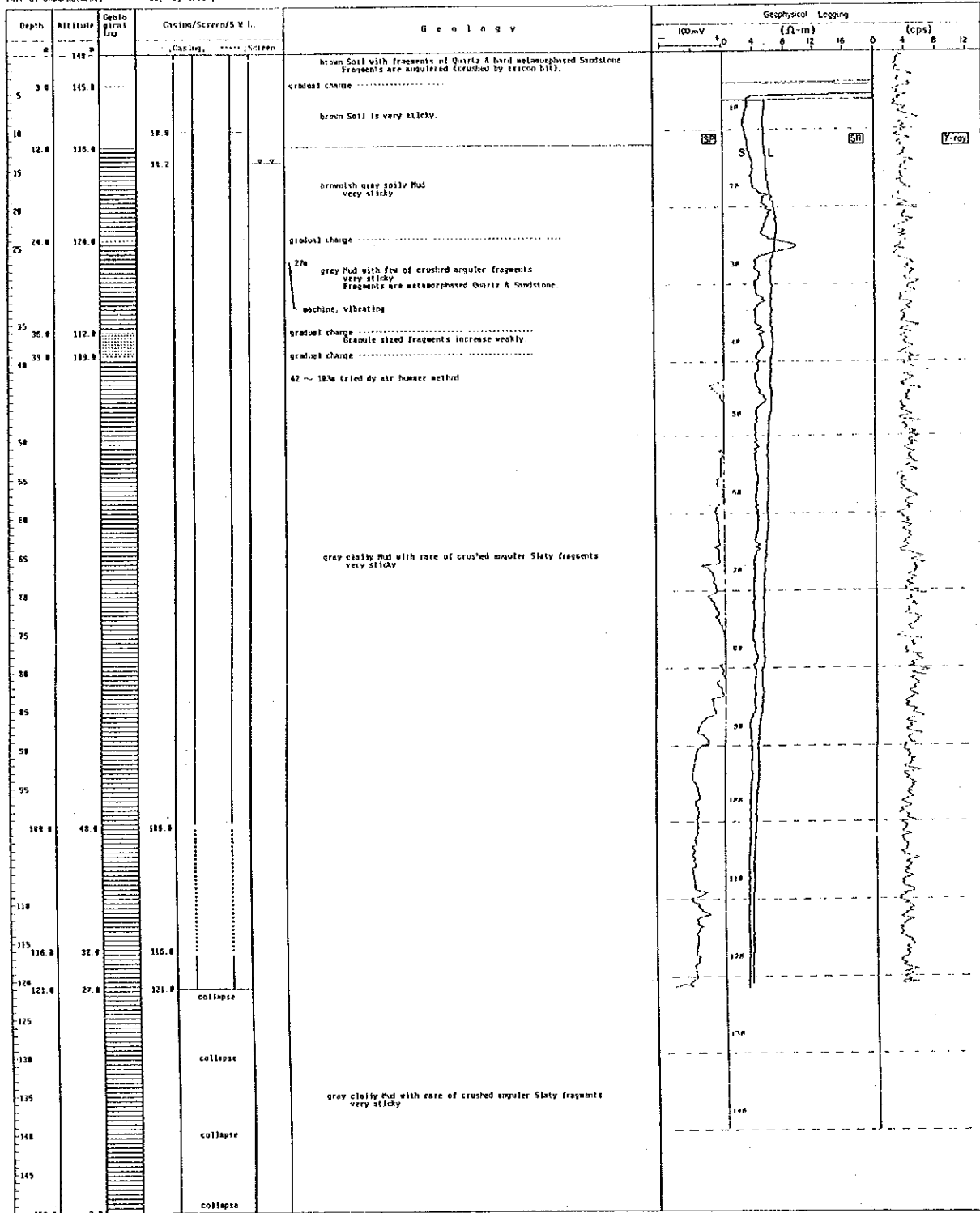
26, 9, 1991

Date of Completion: 7, 19, 1991

Region: E. I. G. o. y. o.

Longitude: N, 71° 32' 13"

Latitude: X, 19° 55' 29"



S.W.L.: Static Water Level

Fig.5.3.1 Geological Log (2)

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Geological Log

THE STUDY ON
GROUNDWATER DEVELOPMENT PROJECT IN THE WESTERN REGION, DOMINICAN REPUBLIC

Date: 17. 10. 1991

Borehole No.: No. 3 (PD 4/91)
Location/Estade: 6. 10. 1991

Province: Monte Cristi
Date of Completion: 17. 10. 1991

Drilled by the No. SPEEDSTAR
Region: A. N. U. S.
Longitude: W. 71° 35' 46" Latitude: N. 19° 44' 33"

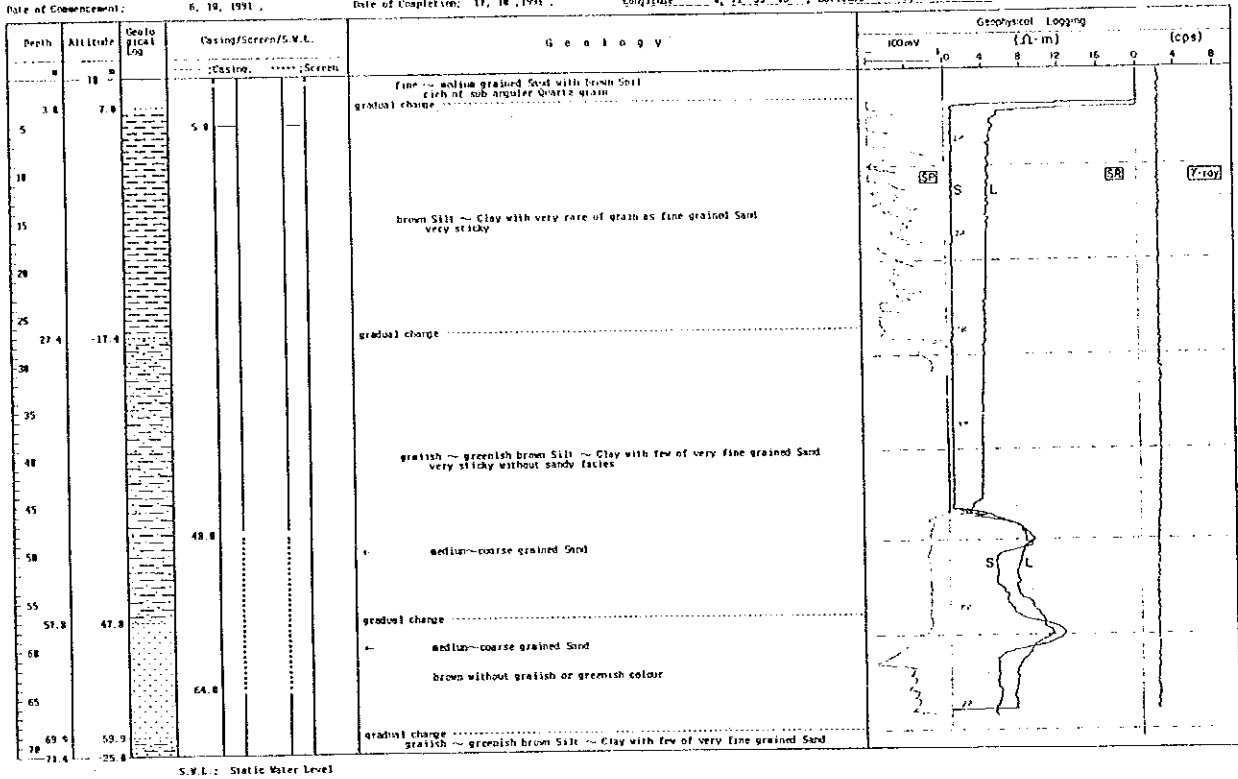


Fig.6.3.1 Geological Log (3)

52.7

Geological Log

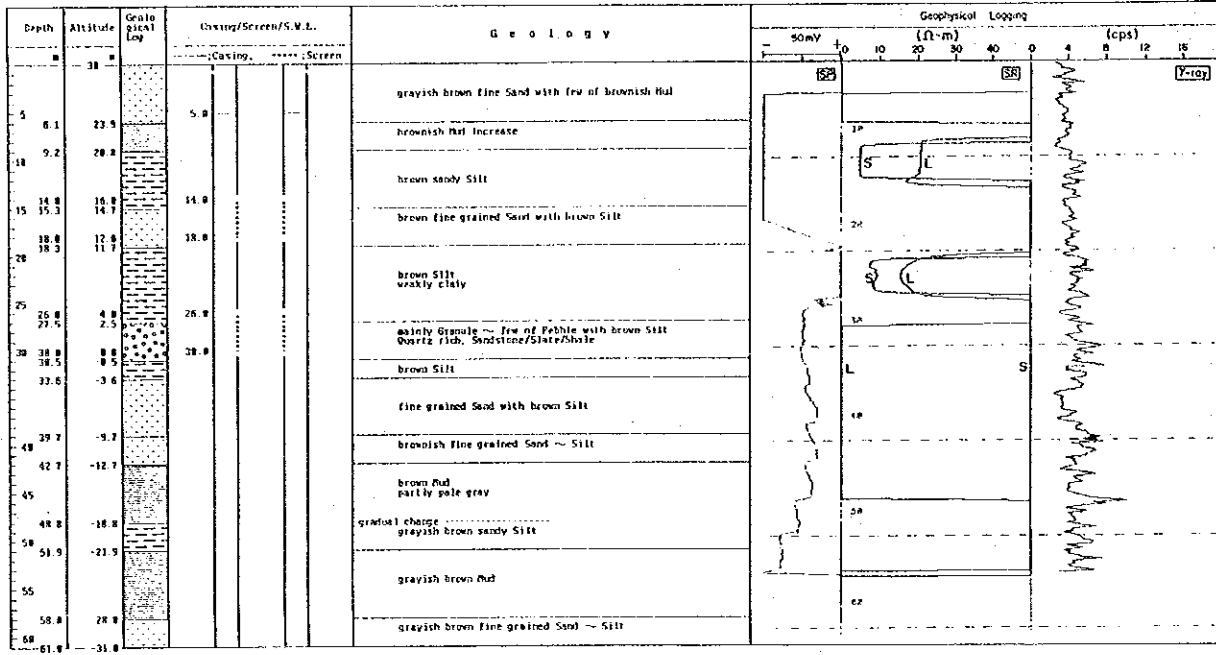
THE STUDY ON
GROUNDEWATER DEVELOPMENT PROJECT IN THE WESTERN REGION DOMINICAN REPUBLIC

Date: 4. 10, 1991

Borehole No.: No. 4 (PD 1/91)
Location/Estate:
Date of Commencement: 16. 9, 1991

Province: Monte Cristi
Date of Completion: 4. 10, 1991

Drilled by the No. SPEEDSTAR HQ
Region: J. M. P. C. A. F. S. B. B. A. D. G.
Longitude: W. 71° 27' 45" Latitude: N. 18° 42' 08"



S.W.L.: Static Water Level

Fig. 5.3.1 Geological Log (4)

Geological Log

THE STUDY ON
GROUNDWATER DEVELOPMENT PROJECT IN THE WESTERN REGION DOMINICAN REPUBLIC

Date: 17. 11. 1991

Borehole No.: No. 5 (JC7/91)

Location/Estate:

Date of Commencement: 11. 11. 1991

Province: Monte Cristi

Date of Completion: 17. 11. 1991

Drilled by the No. JICA91(CARD 87-30001) FIG.

Region: L. N. P. I. D. I. B.

Longitude: W. 71° 32' 44" Latitude: N. 19° 19' 48"

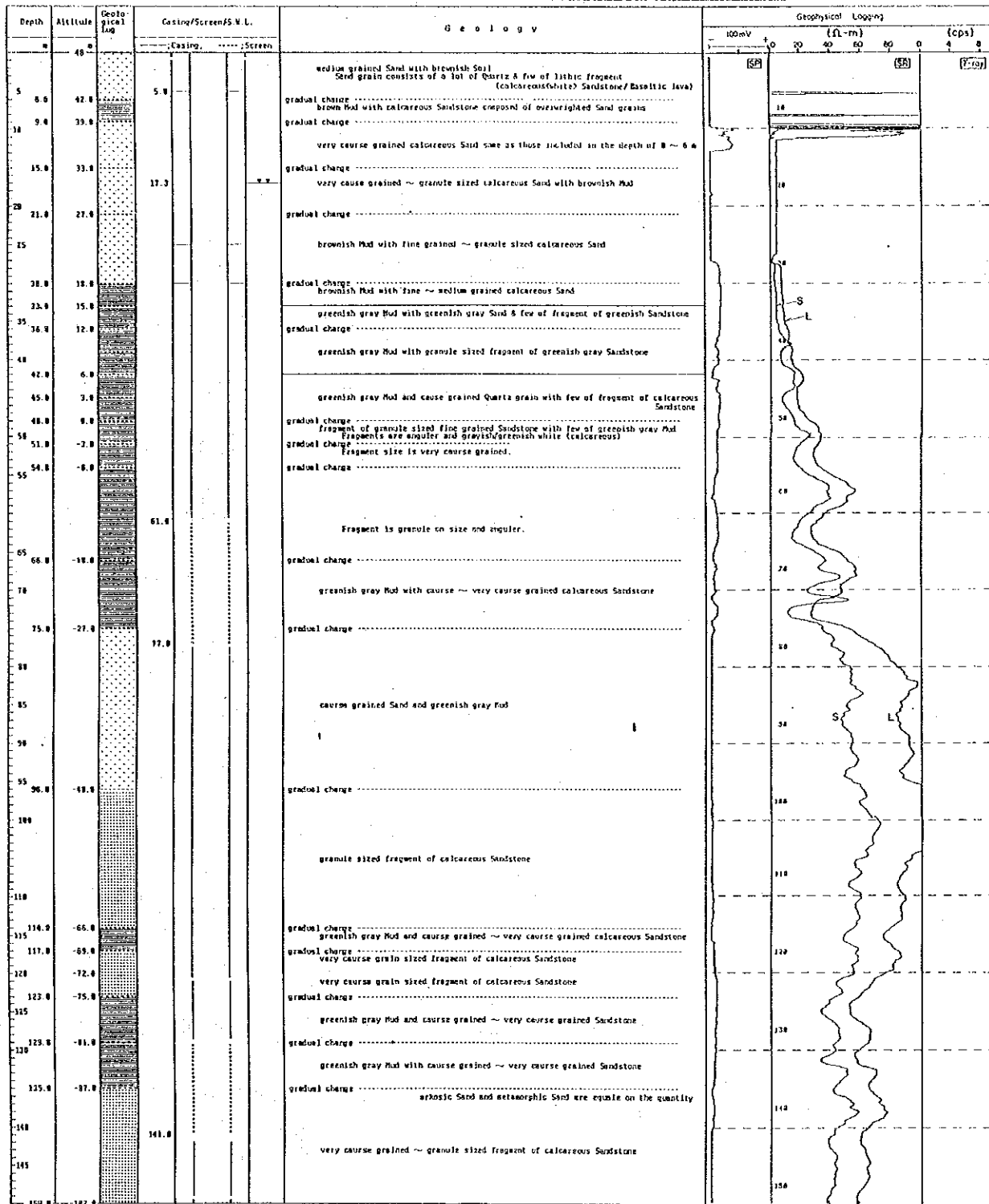


Fig.5.3.1 Geological Log (5)

Geological Log

THE STUDY ON
GOODWATER DEVELOPMENT PROJECT IN THE WESTERN REGION DOMINICAN REPUBLIC

Date: 28, 9, 1991

Borehole No.: No. 6 (PD 2/91)
Location/Estate:
Date of Commencement: 16, 9, 1991

Province: Monte Cristi
Date of Completion: 27, 9, 1991

Drilled by the No. SPEEDSTAR B10
Region: E. A. S. C. h. a. d. v. e. o.
Longitude: W. 71° 28' 28", Latitude: N. 19° 34' 39"

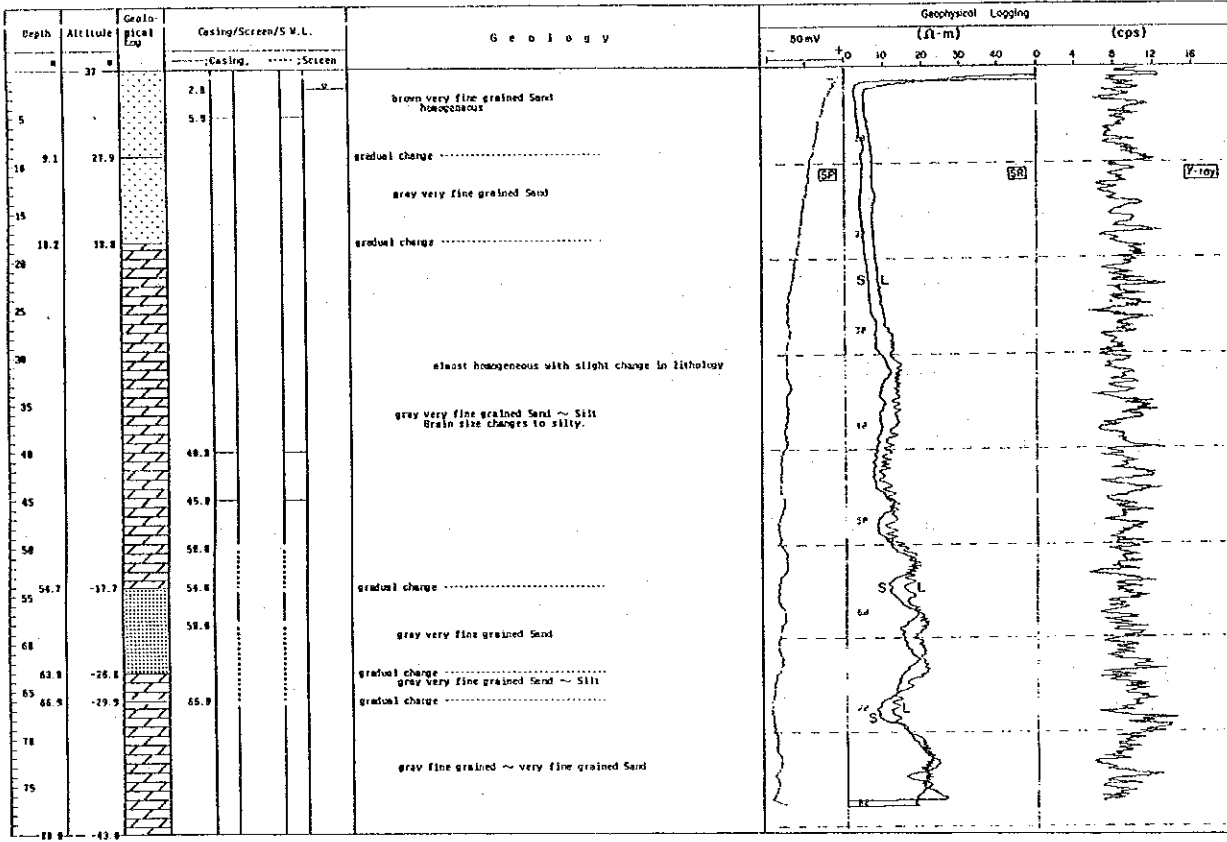


Fig.5.3.1 Geological Log (8)

Geological Log

THE STUDY ON
GROUNDWATER DEVELOPMENT POTENTIAL IN THE WESTERN REGION GUINEAN REPUBLIC

Date: 4. 10. 1991

Borehole No.: No. 7 (ID 3/91)
Location/State:
Date of Commencement: 25. 9. 1991

Province: Haute-Croix
Site of Completion: 4. 10. 1991

Drilled by the Mr. SPRENGER
Region: ...
Longitude: W. 11° 21' 28" Latitude: N. 13° 36' 55"

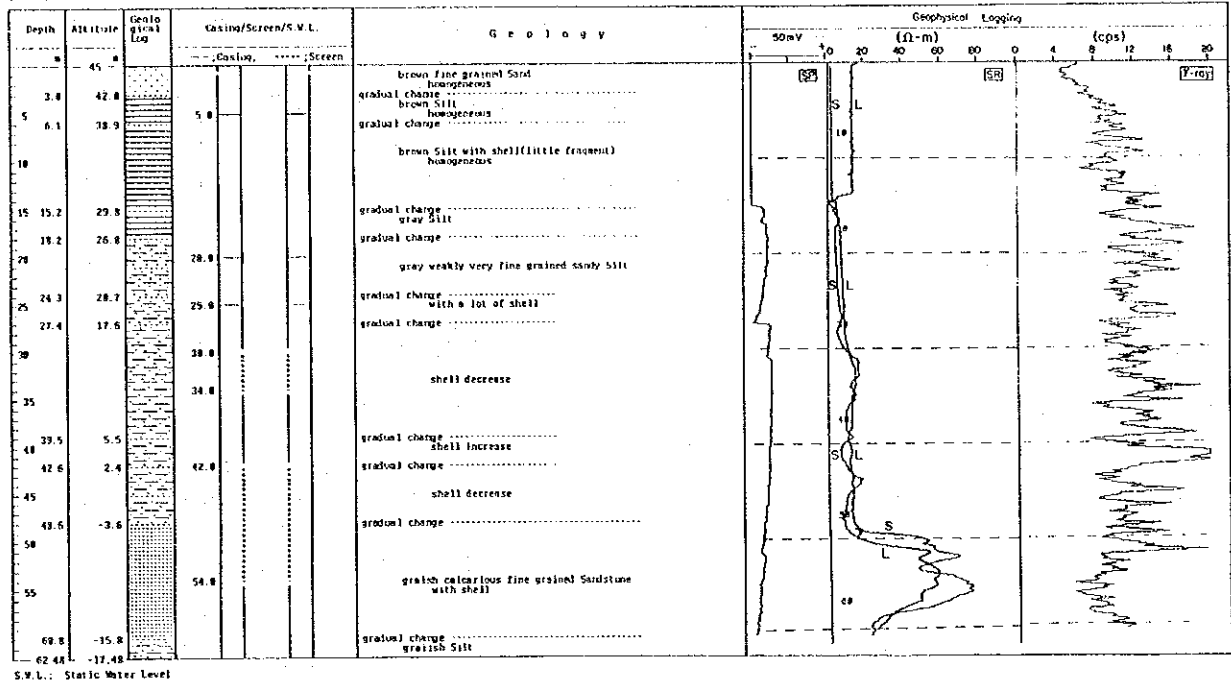


Fig.5.3.1 Geological Log (7)

LAD

Geological Log

THE STUDY ON
GROUNDWATER DEVELOPMENT PROJECT IN THE WESTERN BELGIAN DUTCHMAN REPUBLIC

Date: 29. 12. 1991

Borehole No.: No. 0 (JC12/91)

Province: Rome Crict

Drilled by the No. JICA91(040) K1390 MT) RIG.

Location/Estate:

Date of Completion: 29. 12. 1991

Region: C. a. b. s. a. d. s. u. d. e. s. t. e. r. e.

Date of Commencement: 18. 12. 1991

Longitude: 9. 21. 26. 11" E, Latitude: 49. 12. 31. 13" N

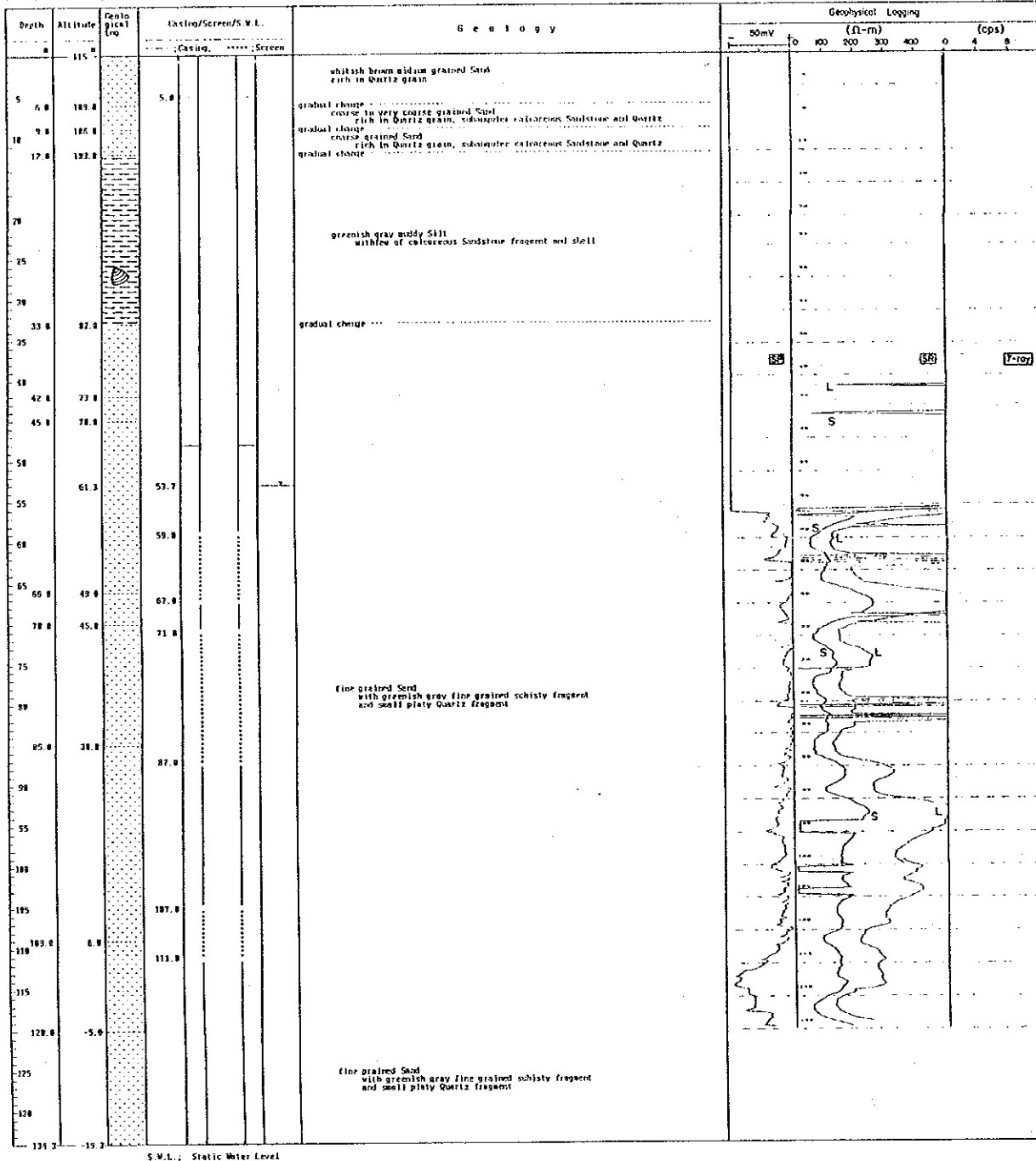


Fig.6.3.1 Geological Log (8)

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Geological Log

THE STATE OF
GROUNDWATER DEVELOPMENT PROJECT IN THE WESTERN REGION EGYPTIAN REPUBLIC

Date: 28. 8. 1991

Borehole No.: No. 10 (JC1/91)
Location/Estate:
Date of Completion: 15. 8. 1991

Province: Dakhla
Date of Completion: 28. 8. 1991

Drilled by the No. J. J. C. A. 9. 1 RIG
Region: I. 8 V. 1. 1. 1. 8
Longitude: 29° 31' 18" E, Latitude: 24° 39' 35" N

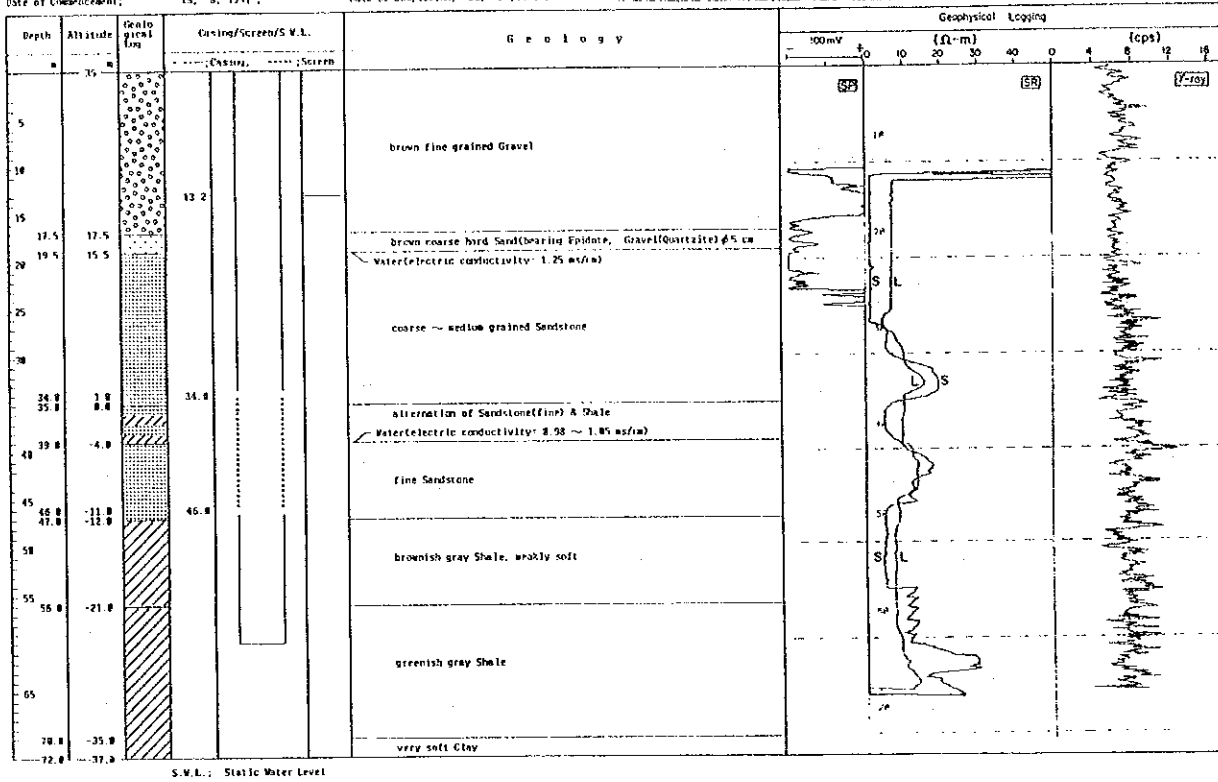


Fig. 6.3.1 Geological Log (10)

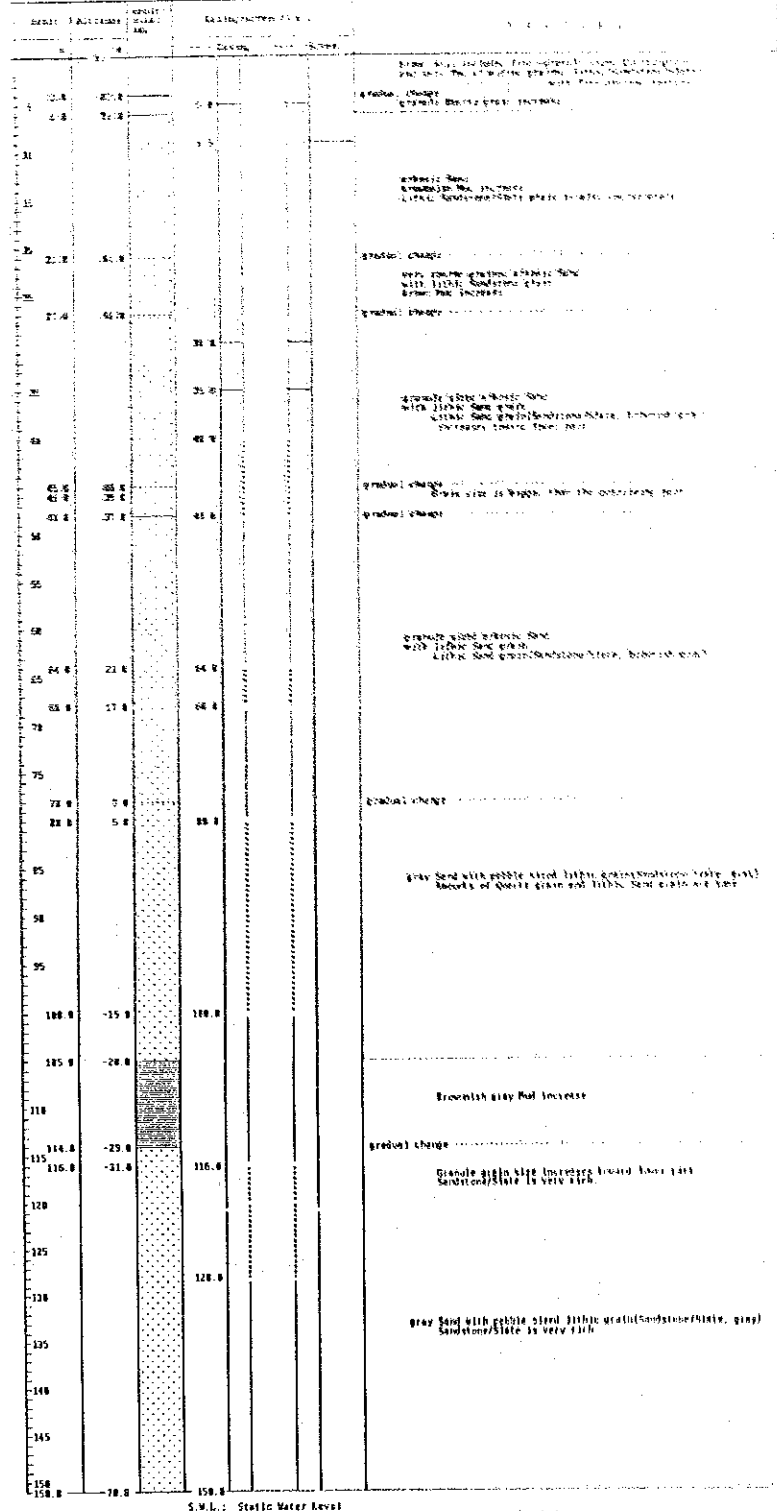
Geological Log

Geological Survey of the United States

Number of Feet 110
 Date of Completion 1910

Location
 Date of Expedition 1910

Geological Survey of the United States



Handwritten notes and sketches on the right side of the log, including a vertical scale and descriptive text.

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 Fig. 5.2.1 Geological Log (11)

Geological Log

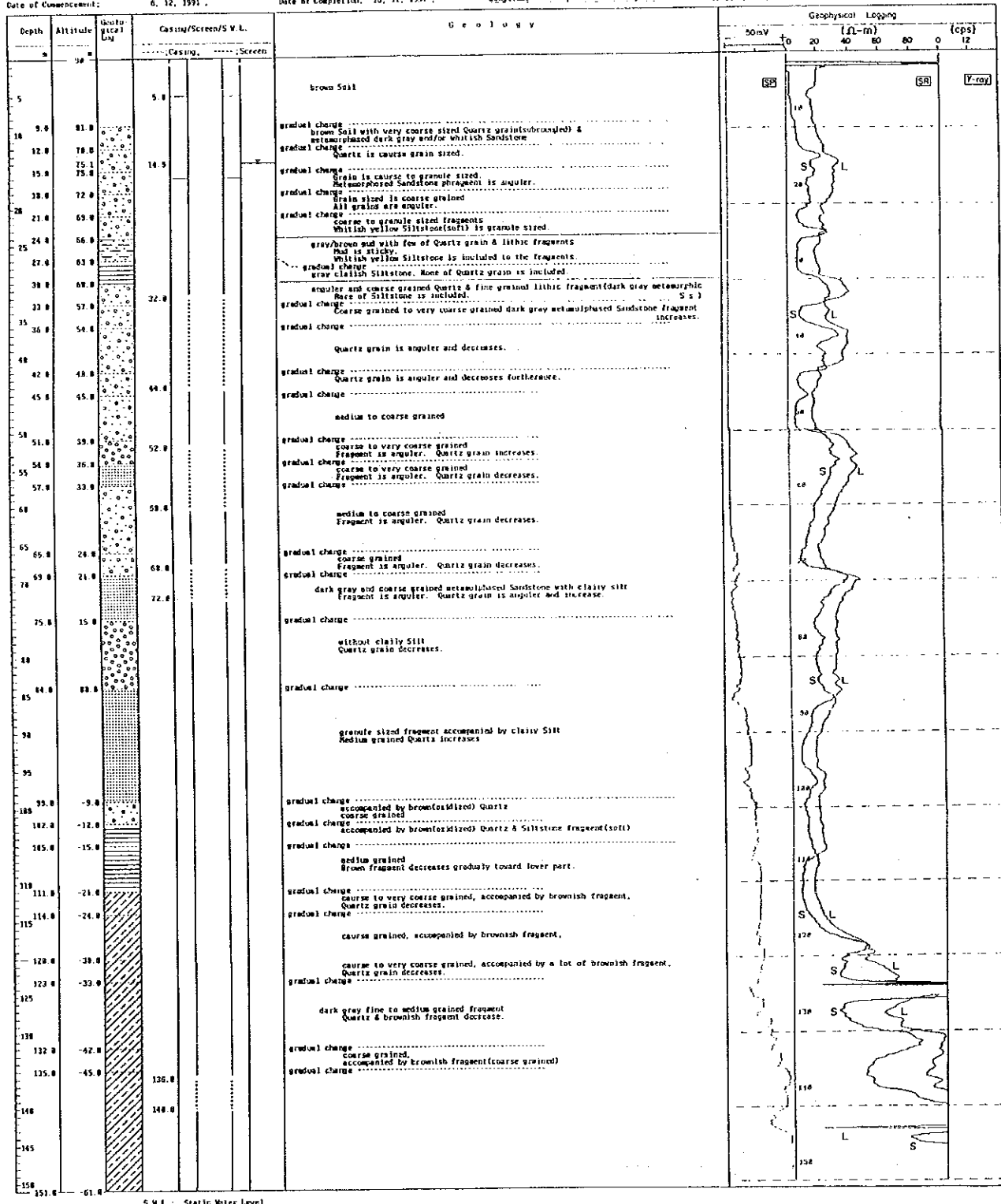
THE STUDY OF
GROUNDWATER DEVELOPMENT PROJECT IN THE WESTERN REGION DUTIRAH MAMPUNG

Date: 16. 12. 1991

Borehole No : No. 12 (JC11/91)
Location/Estete:
Date of Commencement: 6. 12. 1991

Province: Mote Grial
Date of Completion: 16. 12. 1991

Drilled by the No. JICA21/KINDO NT388 MTJ
Region: C. B. A. C. U. S. V. J
Longitude: W. 71° 34' 19", Latitude: N. 19° 33' 18"



S.W.L.: Static Water Level

Fig.5.3.1 Geological Log (12)

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Geological Log

THE STURM ON

GROUNDEWATER DEVELOPMENT PROJECT IN THE WESTERN REGION DOMINICAN REPUBLIC

Date: 10. 11. 1991

Borehole No.: No. 13 (JCG/91)
Location/Estate: 19. 18. 1991

Province: Monte Cristi
Date of Completion: 18. 11. 1991

Drilled by the No. JICAG/GRAND ET 28977
Region: L. O. S. A. R. F. O. V. S. S.
Longitude: N. 71° 48' 15" Latitude: N. 19° 22' 37"

Depth m	Altitude m	Gradi- cal log	Casing/Screen/S.W.L.		Geology
			Casing	Screen	
3.0	56.8				brown Soil with arkosic Sand accompanied with fragment of metamorphic Sandstone
5.0	55.8		5.0		gradual change fine grained lithic Sand with few of brown Soil & arkosic fragments
8.0	53.0				gradual change course ~ medium grained arkosic Sand with brown Mud & few of lithic fragments
9.0	50.0				gradual change fine grained lithic Sand with few of brown Soil & arkosic fragments
15.0	44.0		14.2		gradual change arkosic Sand with coarse grained angular fragment of metamorphic Sandstone accompanied with brown Mud Sandstone is grayish black ~ whitish yellow on the colour.
20.0	38.0		19.7		gradual change granule sized angular fragment of grayish black metamorphic rock (Sandstone)
24.0	35.0		24.3		gradual change fine grained arkosic Sand with grayish metamorphic Sandstone with few of brown Mud
27.0	32.0		27.3		gradual change fine grained arkosic Sand with grayish metamorphic Sandstone with granule sized angular metamorphic Sandstone
38.0	29.0				gradual change brown Mud with grayish black granule sized angular metamorphic Sandstone
41.0	28.0		41.3		medium grained arkosic Sand & lithic Sand arkosic Sand and metamorphic Sand are equal on the quantity
45.0	24.0				gradual change granule sized angular metamorphic fragment
51.0	8.0		53.3		gradual change fine grained gradual change fine grained to coarse ~ medium grained arkosic Sand & lithic Sand arkosic Sand and metamorphic Sand are equal on the quantity
68.0	-1.0		63.3		gradual change course ~ medium grained course grained angular fine grained to granule sized arkosic Sand & lithic Sand arkosic Sand and metamorphic Sand are equal on the quantity
69.0	-10.0				gradual change
85.0			85.3		course ~ granule size grained angular
93.0			93.3		
102.0	-43.0				gradual change course grain with fine grain & brown Mud
105.0	-46.0				gradual change fine grained Sand with coarse grained fragment
108.0	-49.0				gradual change course ~ granule sized and angular fragment
111.0	-52.0				gradual change course grained fragment course grain increases
114.0	-55.0				gradual change course ~ granule sized and angular fragment
128.0					
135.2	-76.2				fine grained to granule sized arkosic Sand & lithic Sand arkosic Sand and metamorphic Sand are equal on the quantity

S.W.L.: Static Water Level

Fig. 5.3.1 Geological Log (13)

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Geological Log

THE STUDY ON
GROUNDWATER DEVELOPMENT POTENTIAL IN THE WESTERN REGION OF BAHRAIN (1991)

Date: 12, 9, 1991

Borehole No.: No. 14 (PD5/91)

Localities/State:

Date of Commencement: 3, 10, 1991

Province: Bahrain

Date of Completion: 15, 10, 1991

Drilled by the No. SPEEDSTAR

Region: G. S. F. R.

Longitude: $25^{\circ} 71' 38'' E$, Latitude: $26^{\circ} 19' 31'' N$

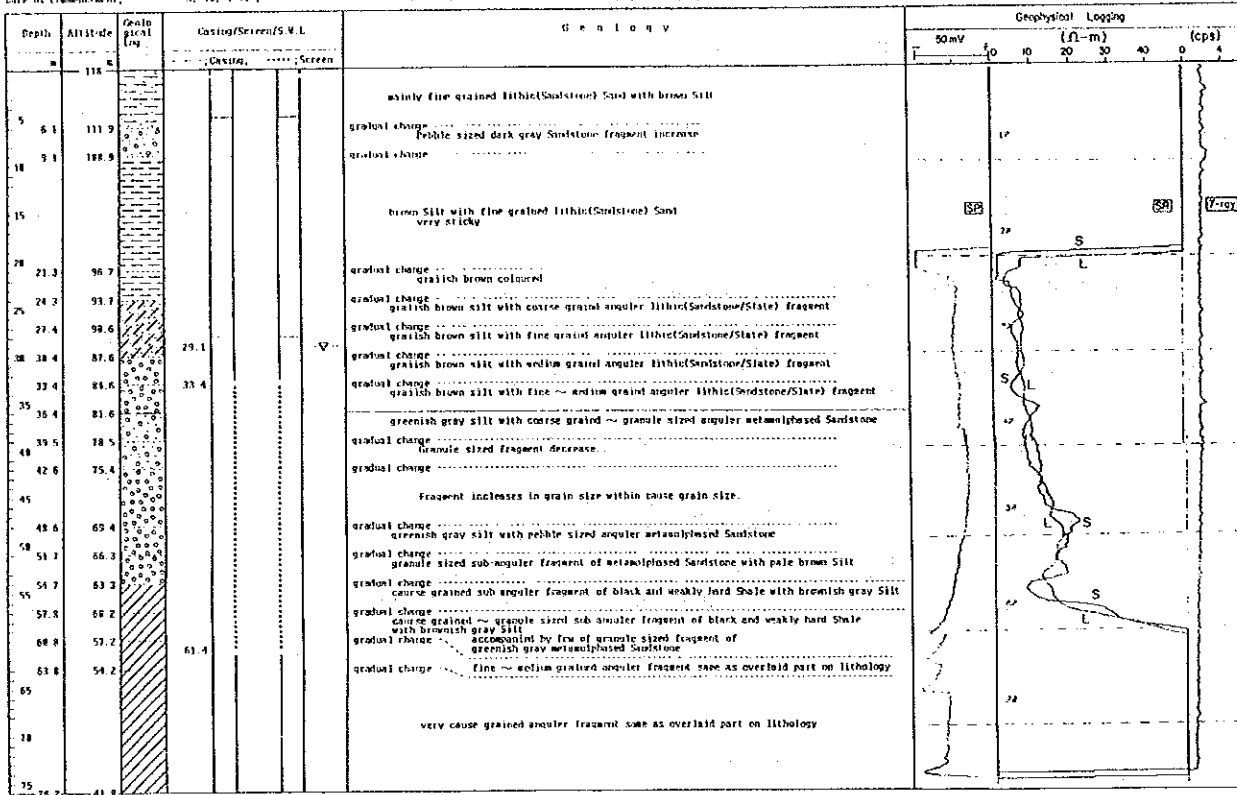


Fig.5.3.1 Geological Log (14)

Geological log

THE STUDY ON
GEOGRAPHICAL DEVELOPMENT PROJECT IN THE WESTERN REGION DEMOCRATIC REPUBLIC

Date: 29. 11. 1991

Borehole No.: No. 15 (JG9/91)
 Location/State: _____
 Date of Commencement: 25. 11. 1991

Province: Dajshun
 Date of Completion: 29. 11. 1991

Drilled by the No. KAND ET-389WT H.C.
 Region: _____
 Longitude: _____, _____, _____
 Altitude: _____

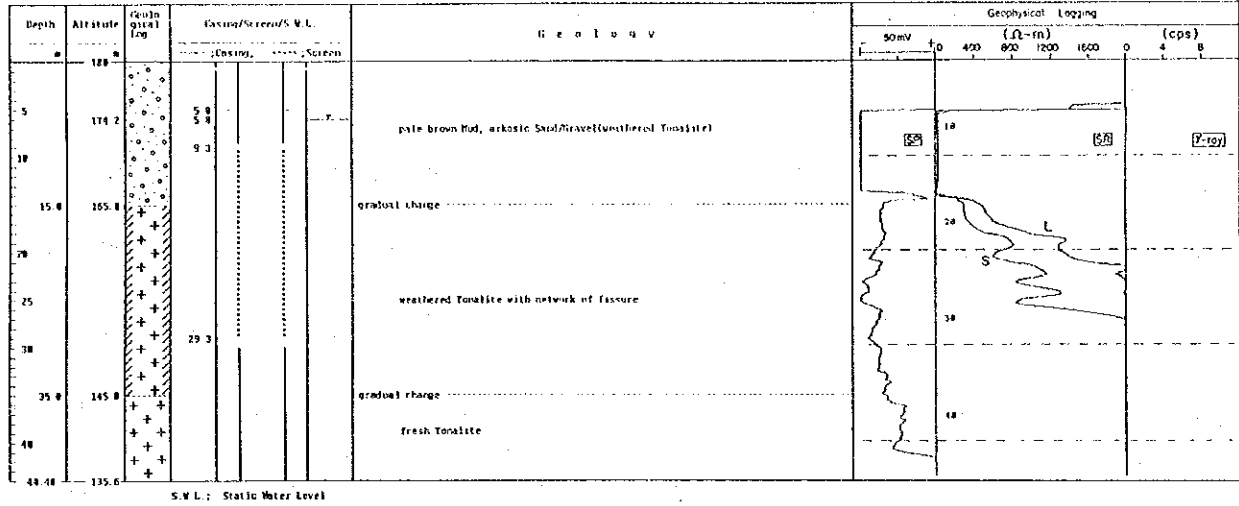


Fig.5.3.1 Geological Log (15)

Geological Log

THE STUDY ON
GROUNDWATER DEVELOPMENT PROJECT IN THE WESTERN REGION DEMOCRATIC REPUBLIC

Date: 4. 12. 1991

Borehole No.: No. 16 (JO10/91)
Location/Village: _____
Date of Commencement: 1. 12. 1991.

Province: Dajabon
Date of Completion: 4. 12. 1991.

Drilled by the No. WAND BY-300V B.I.G.
Section: V. E. F. E. M. I. S. A. B. A. D. E.
Longitude: N. 71° 48' 43", Latitude: N. 13° 22' 43"

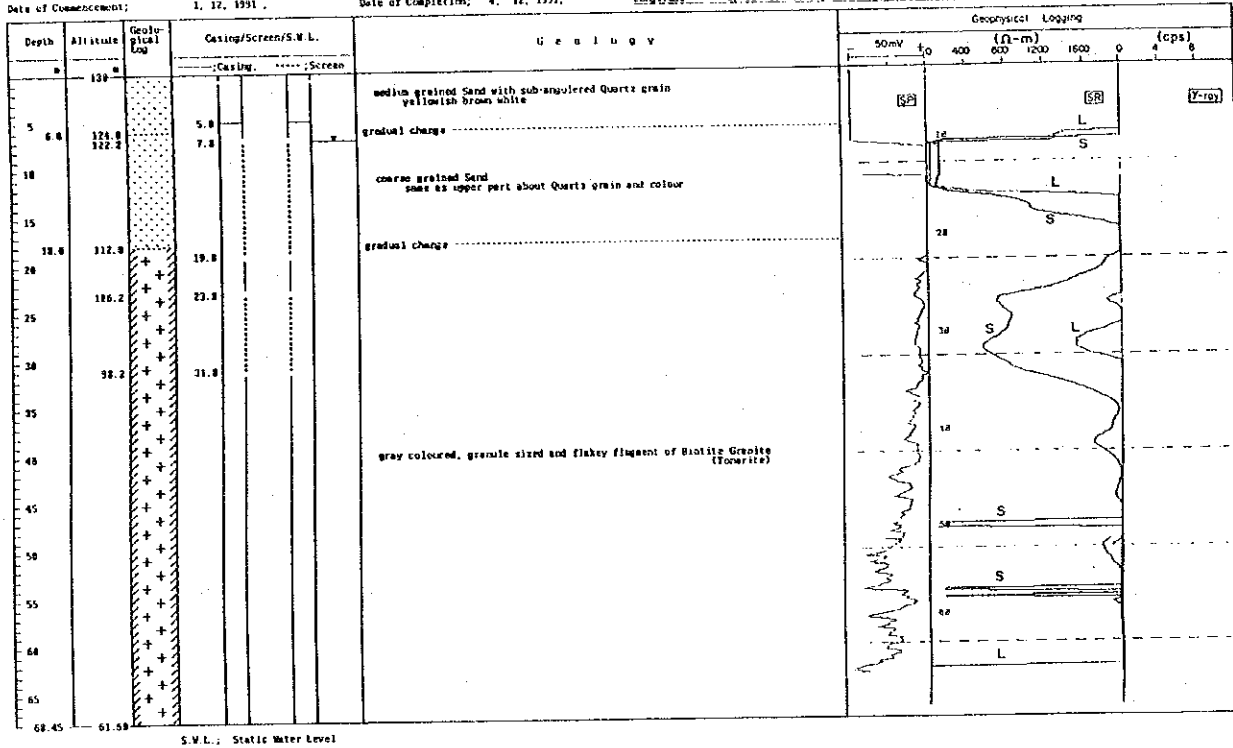


Fig.6.3.1 Geological Log (16)

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Geological Log

THE STUDY ON
GROUNDWATER DEVELOPMENT PROJECT IN THE WESTERN REGION CAMBODIAN REPUBLIC

Date 23. 11. 1991

Borehole No.: No. 17 (JCB -- /91)
Location/Estate:
Date of Commencement, 28. 11. 1991

Province: Dajabon
Date of Completion: 23. 11. 1991

Drilled by the No. KAMU ET 38947, BHO
Region, L. A. R. E. N. I. A. A. R. I. B. A.
Longitude 105° 11' 33" E, Latitude 13° 29' 26" N

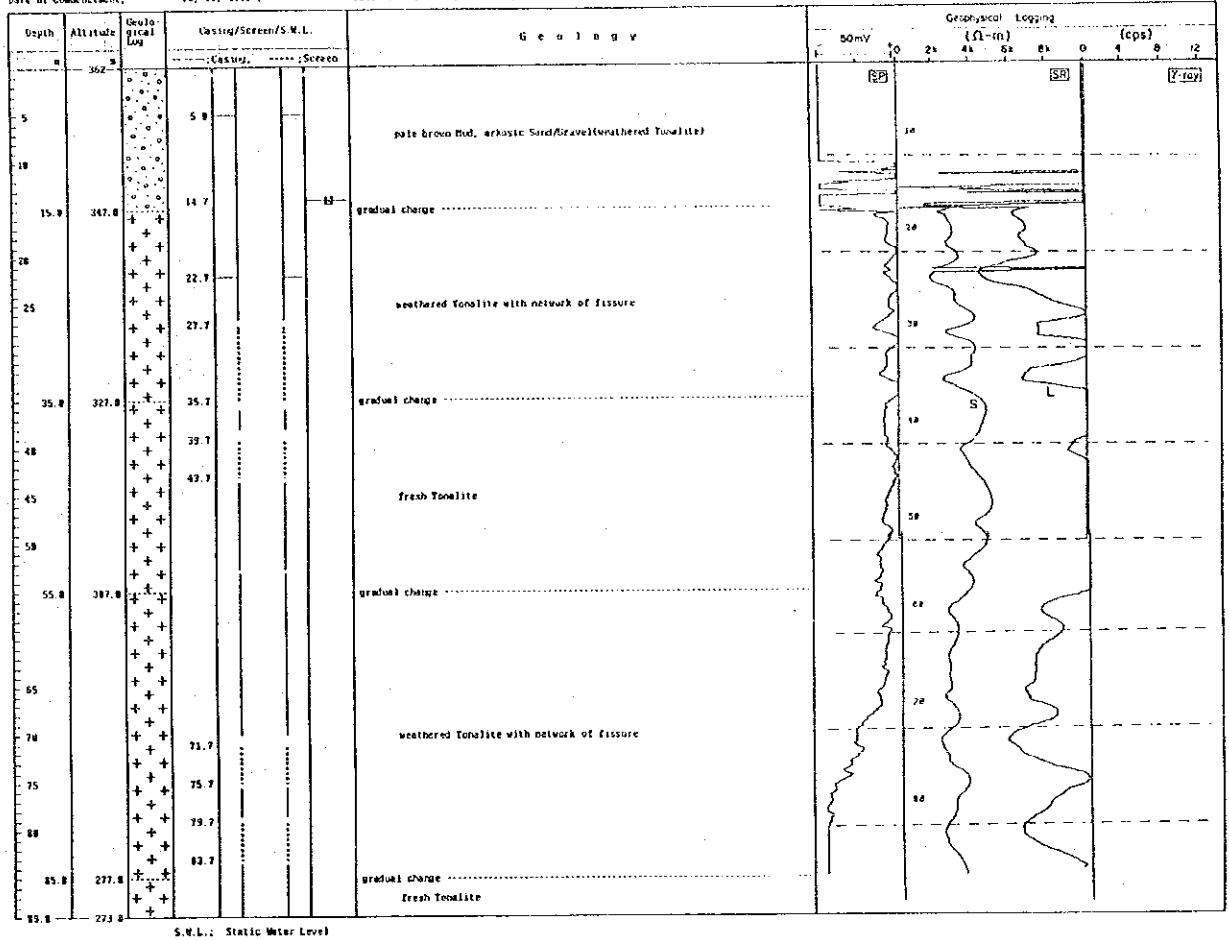


Fig.5.3.1 Geological Log (17)

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Geological Log

THE STUDY ON
GROUNDWATER DEVELOPMENT PROJECT IN THE WESTERN REGION DOMINICAN REPUBLIC

Date: 29. 11. 1991

Borehole No.: No. 10 (PD6/91)

Location/Estate:

19. 10. 1991

Province: Dajabón

Date of Completion: 2. 11. 1991

Drilled by the No. SPEED 5786

R18

Region: Cuenca de Maricao Cautero

Latitude: 19° 48' 34" S, Longitude: 71° 28' 52" W

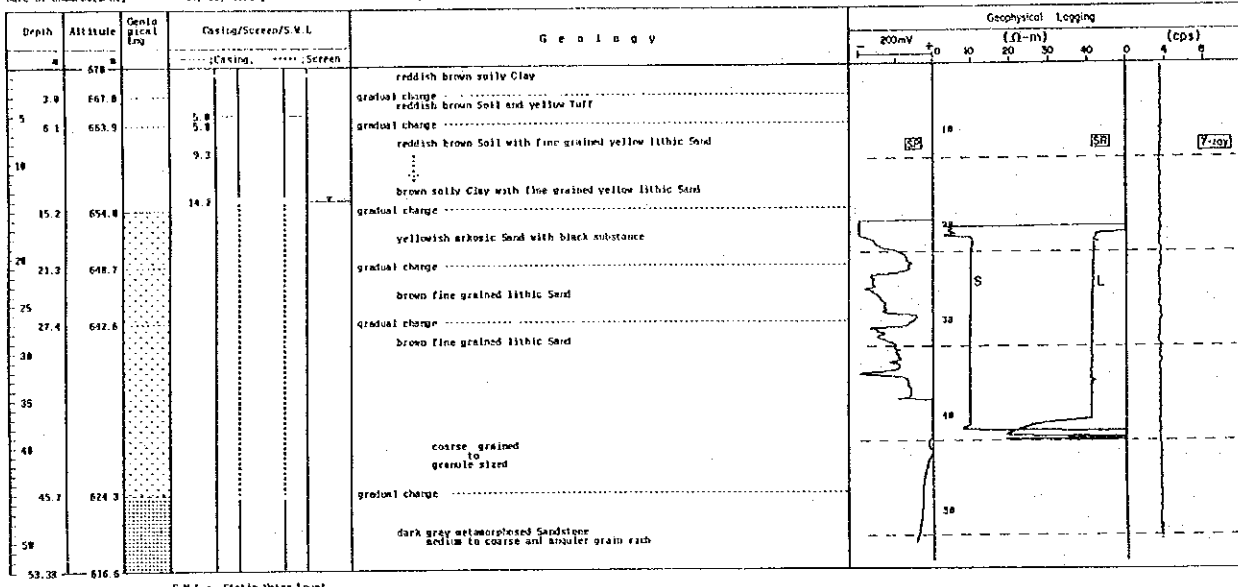


Fig.6.3.1 Geological Log (18)

Geological Log

THE STUDY OF
GROUNDWATER DEVELOPMENT PROJECT IN THE WESTERN REGION BURUNDI (RWA REPUBLIC)

Date: 5, 12, 1991

Borehole No.: No. 19 (PD7/91)
Location/State:
Date of Commencement: 15, 11, 1991

Province: Bujumbura
Date of Completion: 5, 12, 1991

Drilled by the No. Speed Star
Region: ...
Longitude: ... N, 71° 42' 15" ... Latitude: ... N, 1° 42' 12" ...

Depth m	Altitude m	Geological Log	Casing/Screen/S.W.L.		Geology	Geophysical Logging		
			Casing	Screen		(Ω -m)	(cps)	
0	288.0							
5					yellowish brown sandy Silt with gravel (calcareous Sandstone)			
10								
15	285.5		18.1					
16.0	283.7		16.3		dark grayish fine grained sandy Silt			
18.0	282.0							
20	278.5				bluish gray to dark bluish gray fine Sand to Silt			
21.5	275.7		24.3					
25					yellowish gray silty Mud (Mudstone/Shale)			
27.0	267.0							
30					gravelly Silt to Mud			
33.0	254.0							
35					bluish gray gravelly Mudstone/shale			
40								
45.0	248.0							
50					gray gravelly fine Sand to Silt (Mudstone/Claystone with Coralloserate)			
52.0	241.7		55.3					
55								
58	239.7		68.3					
60								
64.0	238.0		64.3					
65.0	235.7							
70								
75								
80	219.7		88.3					
85								
90								
94.5	205.5							

S.W.L.: Static Water Level

Fig.5.3.1 Geological Log (19)

Geological Log

THE STUDY ON
COMMUNITARY DEVELOPMENT PROJECT IN THE WESTERN REGION DOMINICAN REPUBLIC

Date: 19. 1. 1992

Parahole No.: No. 20 (JC13/91)

Drilled by the No. JICA #130400 KT-300071

Location/State:

Province: Dajabon

Region: L. S. S. S. S.

Date of Commencement: 11. 5. 1992

Date of Completion: 19. 1. 1992

Longitude: W. 71° 37' 12", Latitude: N. 19° 57' 18"

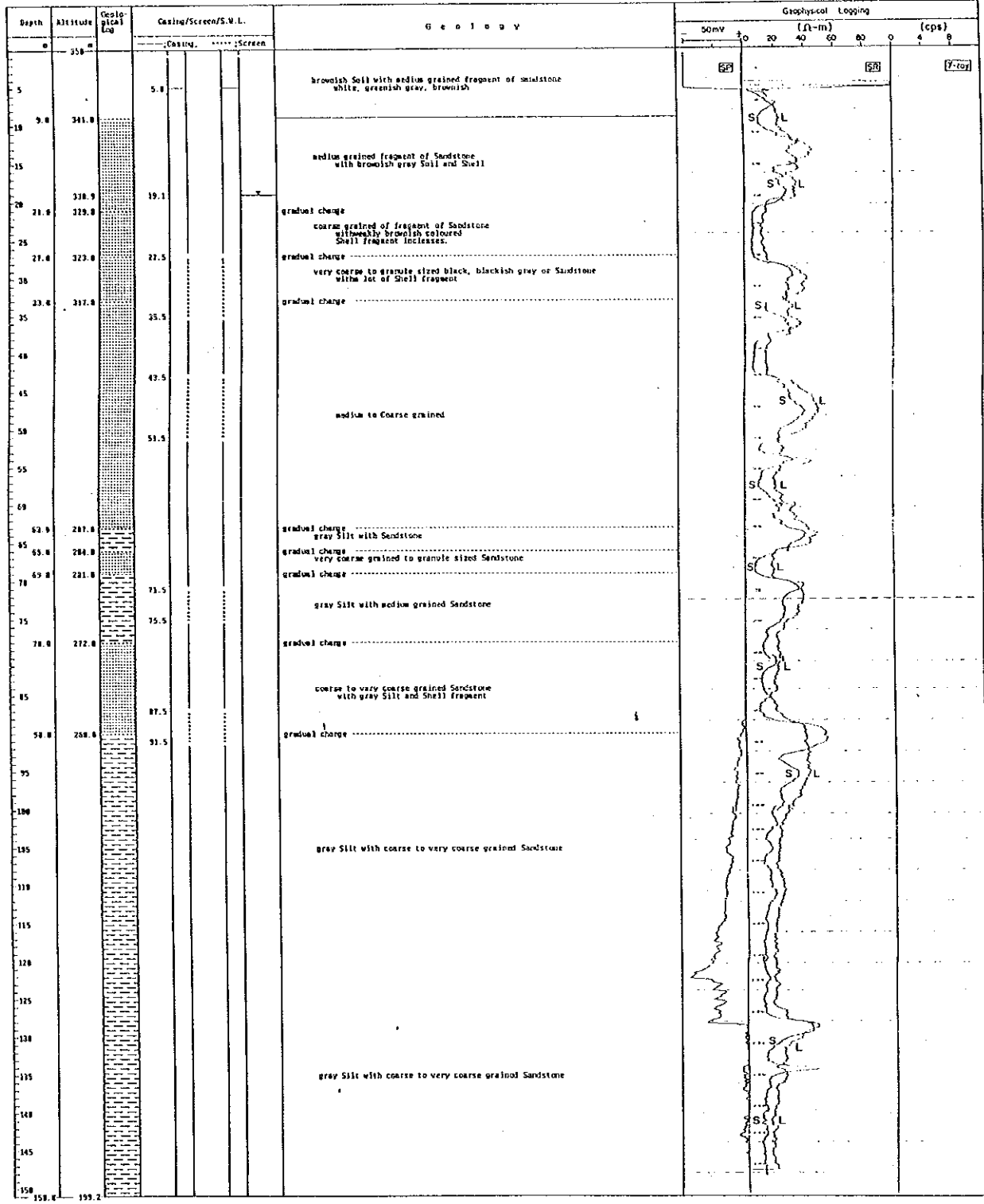


Fig.5.3.1 Geological Log (20)

Geological Log

THE STUDY ON
GROUNDWATER DEVELOPMENT PROJECT IN THE WESTERN REGION DOMINICAN REPUBLIC

Date: 5. 12. 1991

Borehole No.: No. 21 (PDB/91)
Localities/State: ..
Date of Commencement: 16. 11. 1991

Province: Dajabon
Date of Completion: 5. 12. 1991

Drilled by: Ing. M. Speed Star MSc.
Height: .. m
Longitude: .. Y, 71° 46' 27" W, Latitude: .. N, 18° 58' 51" W

Depth m	Altitude m	Geological Log	Casing/Screen/S.W.L.		Geology	Geophysical Logging		
			Casing	Screen		(m)	(cps)	(cps)
0	270.0							
5	264.0				weathered gravel with coarse grained Sand			
10	259.0				grayish Clay with Gravel			
12.0	257.7				bluish gray clay			
15								
18.5	251.5							
20								
25	246.0				bluish gray clayey coarse grained Sand/Gravel	50	50	7.00
28.0	244.0							
30.0	239.0							
35								
40	238.0				bluish gray fine grained sandy Mudstone with few of shale			
41.0	229.0							
45								
47.0	223.0				bluish gray fine grained Sandstone/gravelly Mudstone			
48.0	222.0							
49.0	221.0				fine sandy Claystone			
50					gravelly Mudstone			
52.0	219.0							
55	214.0				bluish gray fine sandy/silty Mudstone (Mudstone/Claystone with Conglomerate)			
58.0	210.0							
60.0								
75					brown coloured Claystone			
68.0	202.0							
70								
75								
80								
85	185.0				bluish gray fine sandy/silty Mudstone (Mudstone/Claystone with Conglomerate)			
90	182.0							
95								
100	170.0				gray gravelly fine Sand to Silt (Mudstone/Claystone with Conglomerate)			
105	168.0							
110.0	168.0							

S.W.L.: Static Water Level

Fig.5.3.1 Geological Log (21)

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Geological Log

THE STUDY ON
GROUNDWATER DEVELOPMENT PROJECT IN THE WESTERN REGION DOMINICAN REPUBLIC

Date: 5. 12. 1991

Borehole No.: No. 22 (PD9/91)
Location/Estate:
Date of Commencement: 16. 11. 1991.

Province: Dajabon
Date of Completion: 14. 12. 1991.

Drilled by the Mr. Speed Star
By: L. O. S. C. O. E. B. A. S.
Longitude: W. 71° 41' 45", Latitude: N. 18° 54' 51"

Depth m	Altitude m	Geological log	Casing/Screen/S.W.L.		G e o l o g y
			-----Casing	-----Screen	
0	329.0				
5				dry	yellowish brown calcareous Conglomerate
11.8	329.0				dark gray Mud to Siltstone
15					
22.0	218.0				
25					
35					
48					
45					
58					
55					
75					
78					
75					
88					gray marine deposit fine sandy to silty Mudstone/Shale
85					
98					
95					
150					
185					
118					
115					
120.0	218.0				

S.W.L.: Static Water Level

Fig. 5.3.1 Geological Log (22)
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Geological Log

THE STUDY OF
GROUNDWATER DEVELOPMENT PROJECT IN THE WESTERN REGION DOMINICAN REPUBLIC

Date: 17. 12. 1991

Borehole No.: No. 23 (PD10/91)
Location/Estate:
Date of Commencement: 18. 11. 1991

Province: Dajabon
Date of Completion: 17. 12. 1991

Drilled by the Asst. Superintendent
Region: P. R. I. O. S. E. C. O.
Longitude: W, 71° 37' 32", Latitude: N, 19° 28' 38"

Depth m	Altitude m	Geological log	Casing/Screen/S.W.L.		Geology
			Engine	Screen	
0	458				brown Mudstone
5	445.5		dry		
10					gray Mudstone/Shale
15					
20					
25					
30					
35					
40					
45					
50					
55					
60					
65					
70					
75					
80					gray marine deposit fine sandy to silty Mudstone/Shale
85					
90					
95					
100	258.6				gray gravelly fine Sand to Silt

S.W.L.: Static Water Level

Fig.5.3.1 Geological Log (23)

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Geological Log

THE STUDY ON
GROUNDWATER DEVELOPMENT PROJECT IN THE WESTERN HIGHLAND DOMINION REPUBLIC

Date: 22. 12. 1991

Borehole No.: No. 24 (PD11/91)
Location/State:
Date of Commencement: 18. 11. 1991

Province: Elias Pina
Date of Completion: 22. 12. 1991

Drilled by the No. Speed Star
Region: A s i e t o H i g h l a n d
Longitude: 0. 23. 34. 40" E, Latitude: 0. 18. 55. 39" N

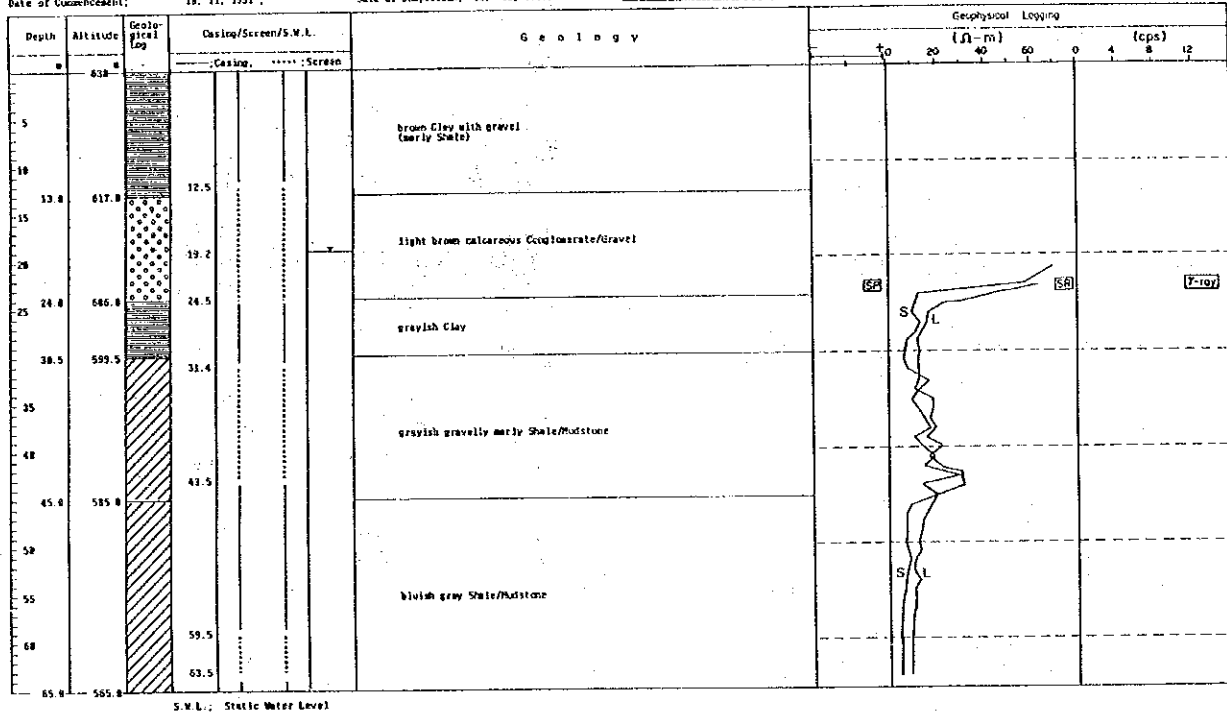


Fig.5.3.1 Geological Log (24)

Geological Log

THE STUDY ON
GROUNDWATER DEVELOPMENT PROJECT IN THE WESTERN REGION DEMOCRATIC REPUBLIC

Date: 7. 1. 1992

Borehole No.: No. 25 (PD12/91)
Location/Estate:
Date of Commencement: 26. 12. 1991

Province: Independence
Date of Completion: 7. 1. 1992

Drilled by the No. 5000 Staff
Region: A. B. C. D. E. F. G. H. I. J. K. L. M. N. O. P. Q. R. S. T. U. V. W. X. Y. Z.
Longitude: 9° 21' 25" W, Latitude: 1° 18' 00" N

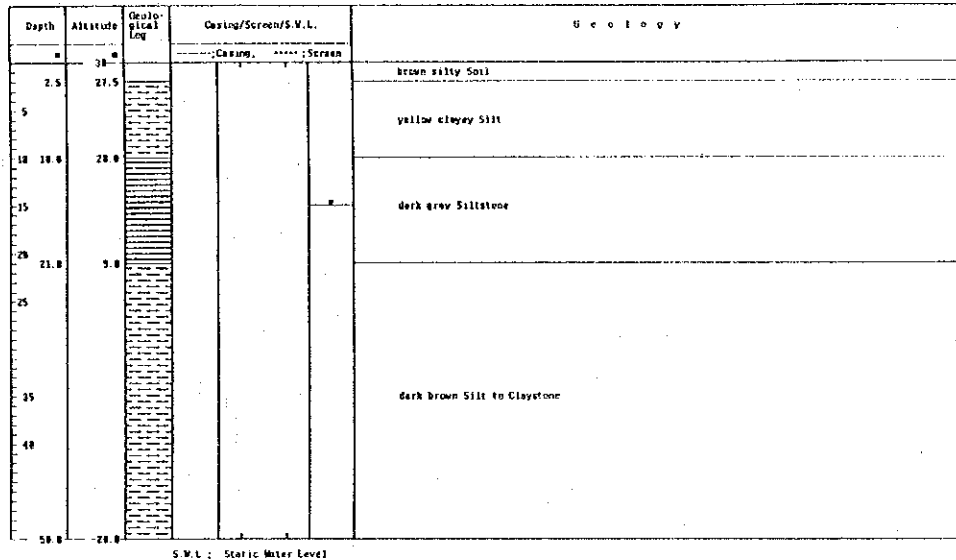


Fig.5.3.1 Geological Log (25)

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Geological Log

FOR STRAY CH
GROUNDWATER DEVELOPMENT PROJECT IN THE WESTERN REGION DOMINICAN REPUBLIC

Date: 18. 1. 1992

Borehole No.: No. 26 (PD13/911)
Location/Estate:
Date of Commencement: 2. 1. 1992

Province: Independencia
Date of Completion: 18. 1. 1992

Drilled by the No. Speed Star
Region: H S I L O A
Longitude: W. 71° 24' 54" Latitude: N. 18° 24' 01"

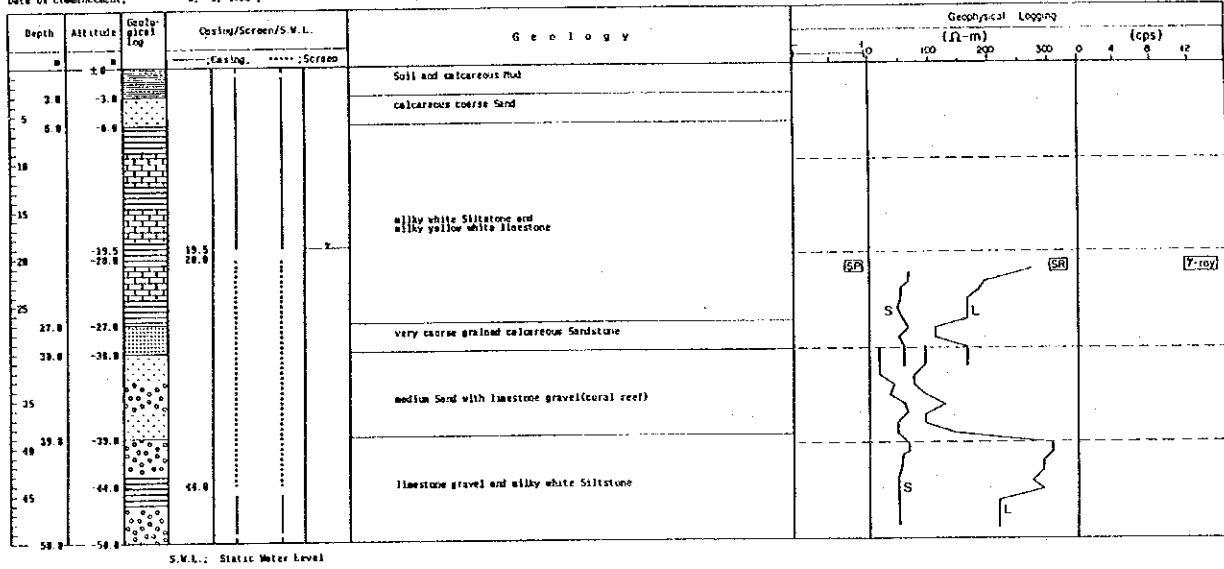


Fig.5.3.1 Geological log (26)

Geological Log

THE STUDY ON
GROUNDWATER DEVELOPMENT PROJECT IN THE WESTERN REGION DOMINICAN REPUBLIC

Date: 6. 1. 1992

Borehole No.: No. 27 (JC14/91)

Drilled by the No. SPEED STAR ... HG

Location/Estate:

Province: Bajabon

Region: N a r a n c o C. S. I. S. F. U.

Date of Commencement: 3. 1. 1992

Date of Completion: 6. 1. 1992

Longitude ... W, 71° 49' 31" , Latitude ... N, 19° 28' 45"

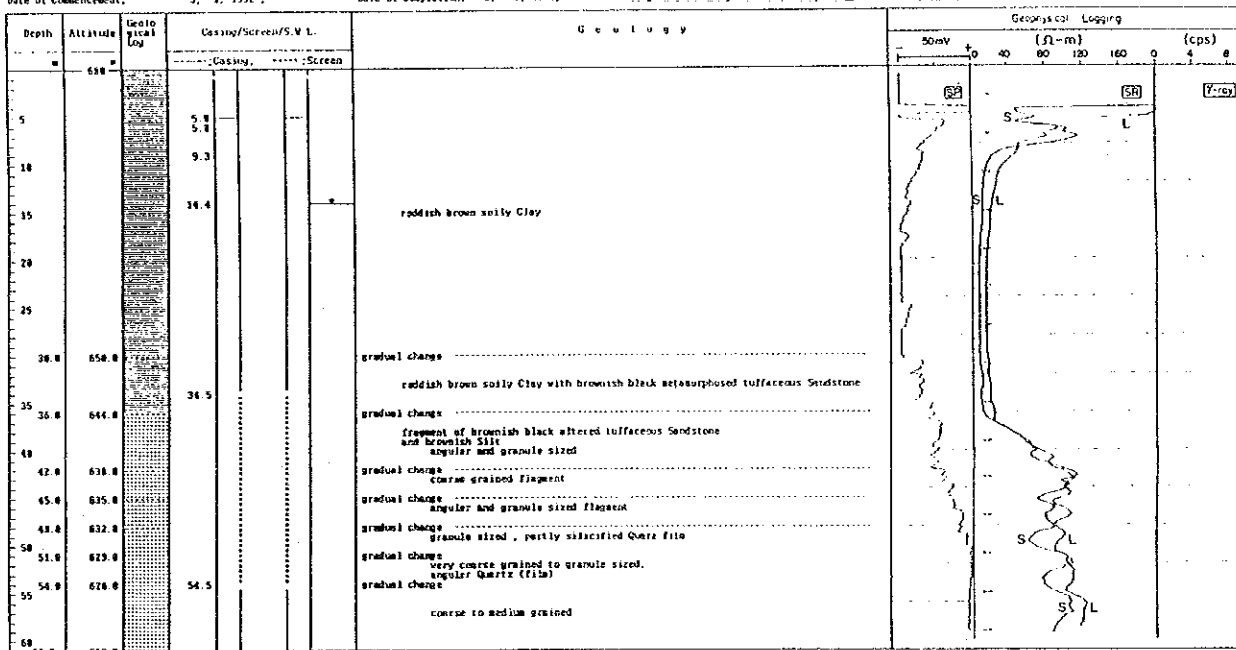
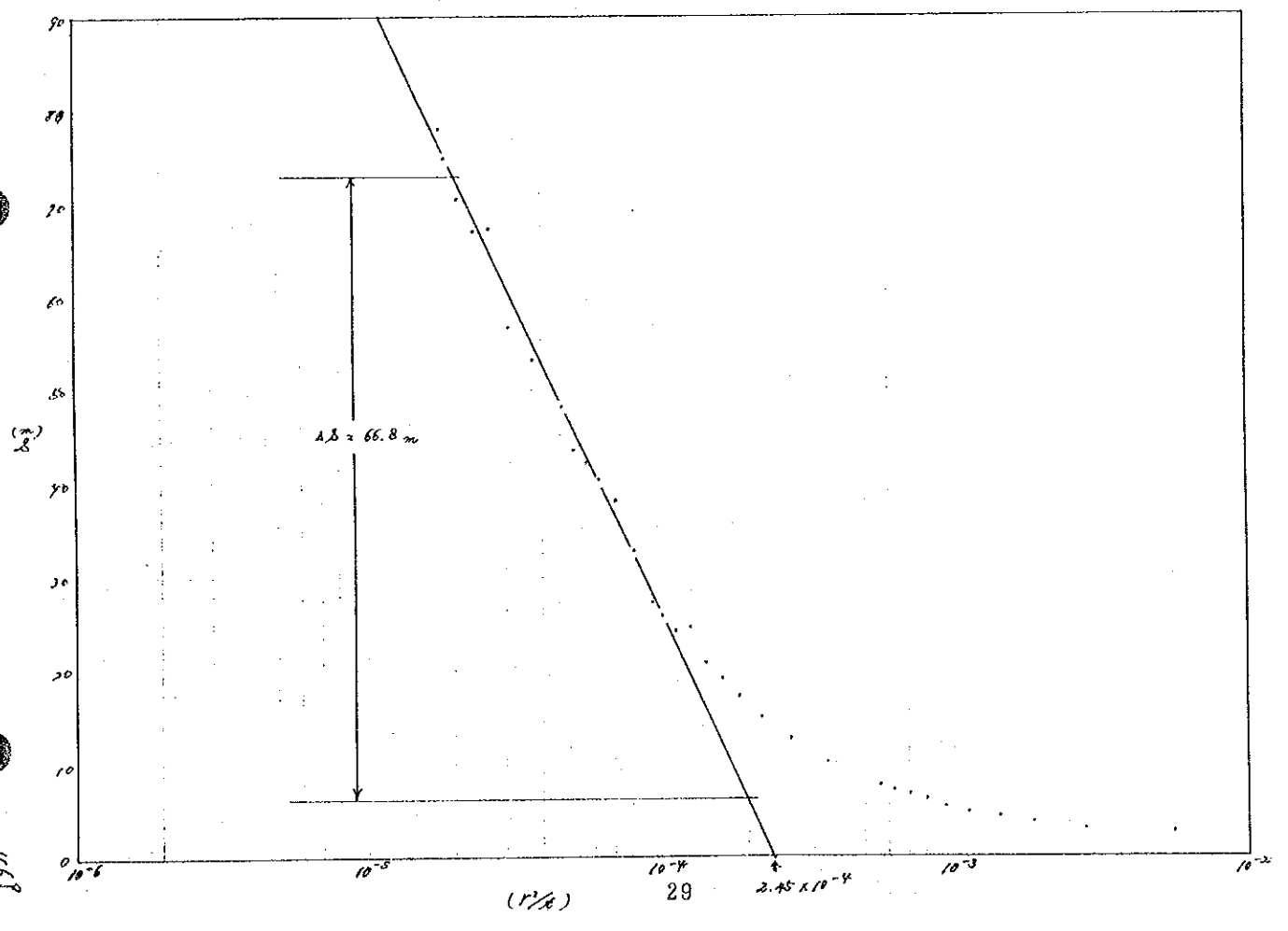
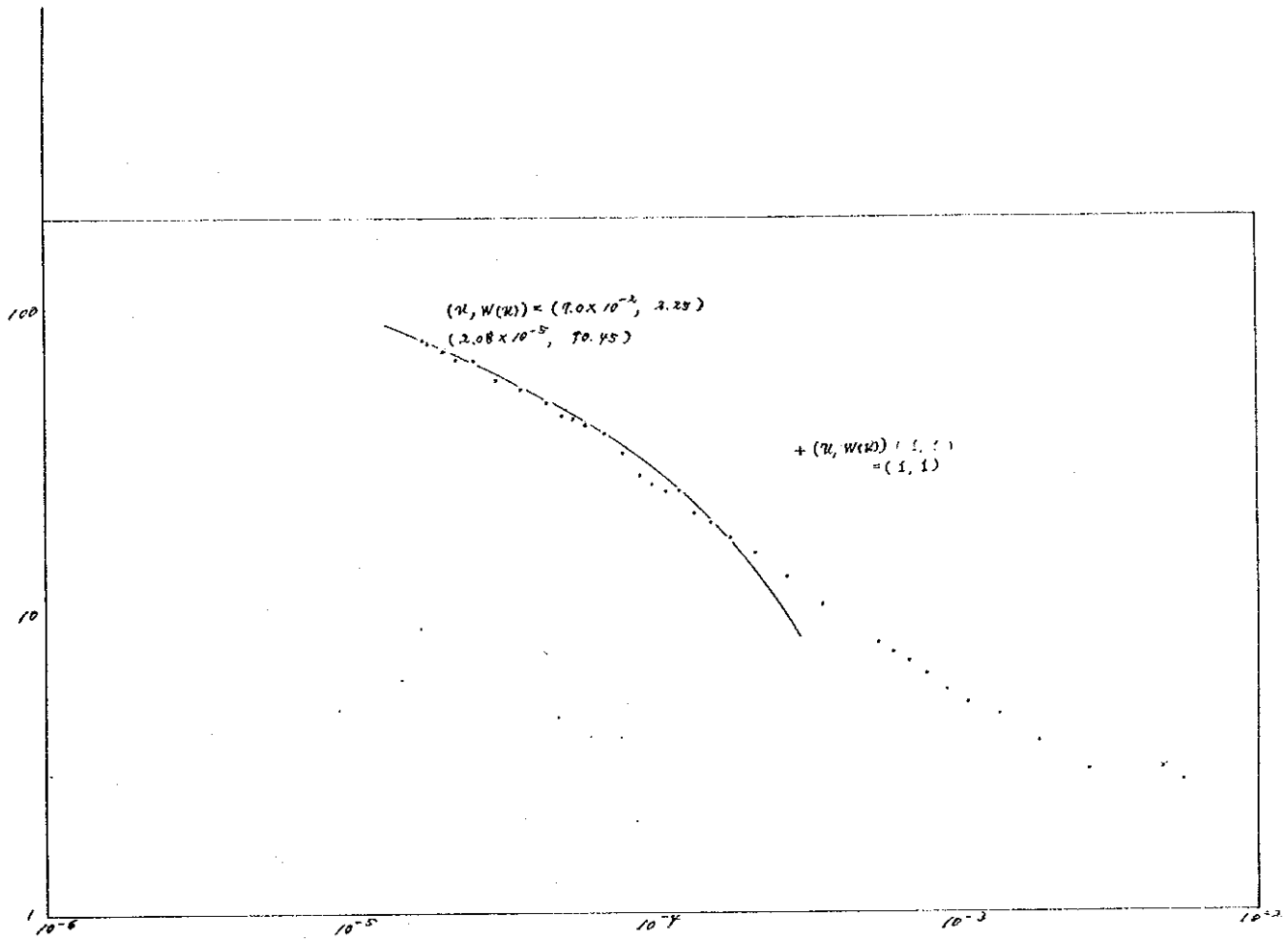


Fig.5.3.1 Geological Log (27)

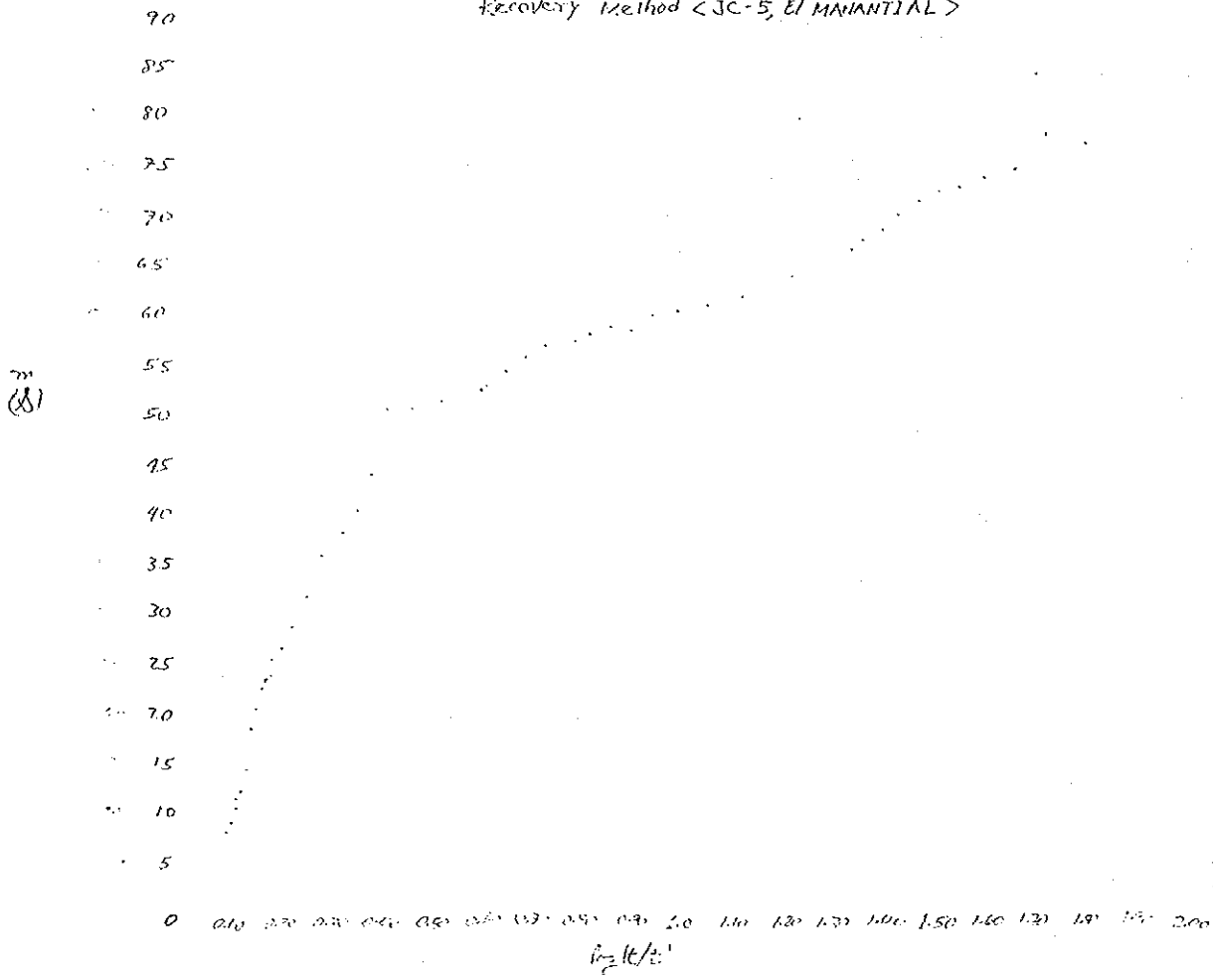
197

The graphes for Calculation of Transmissibility

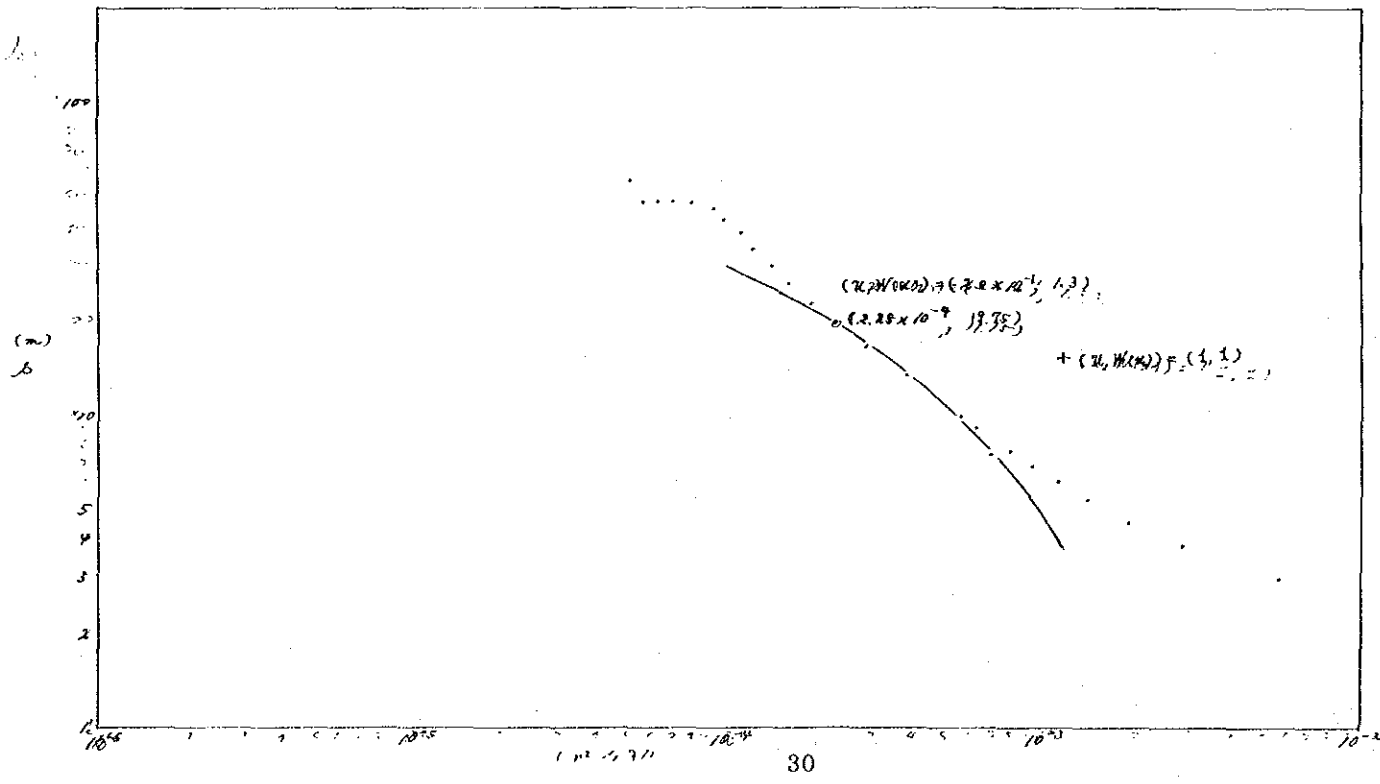


1977

Recovery Method <JC-5, EL MAHANTIAL>

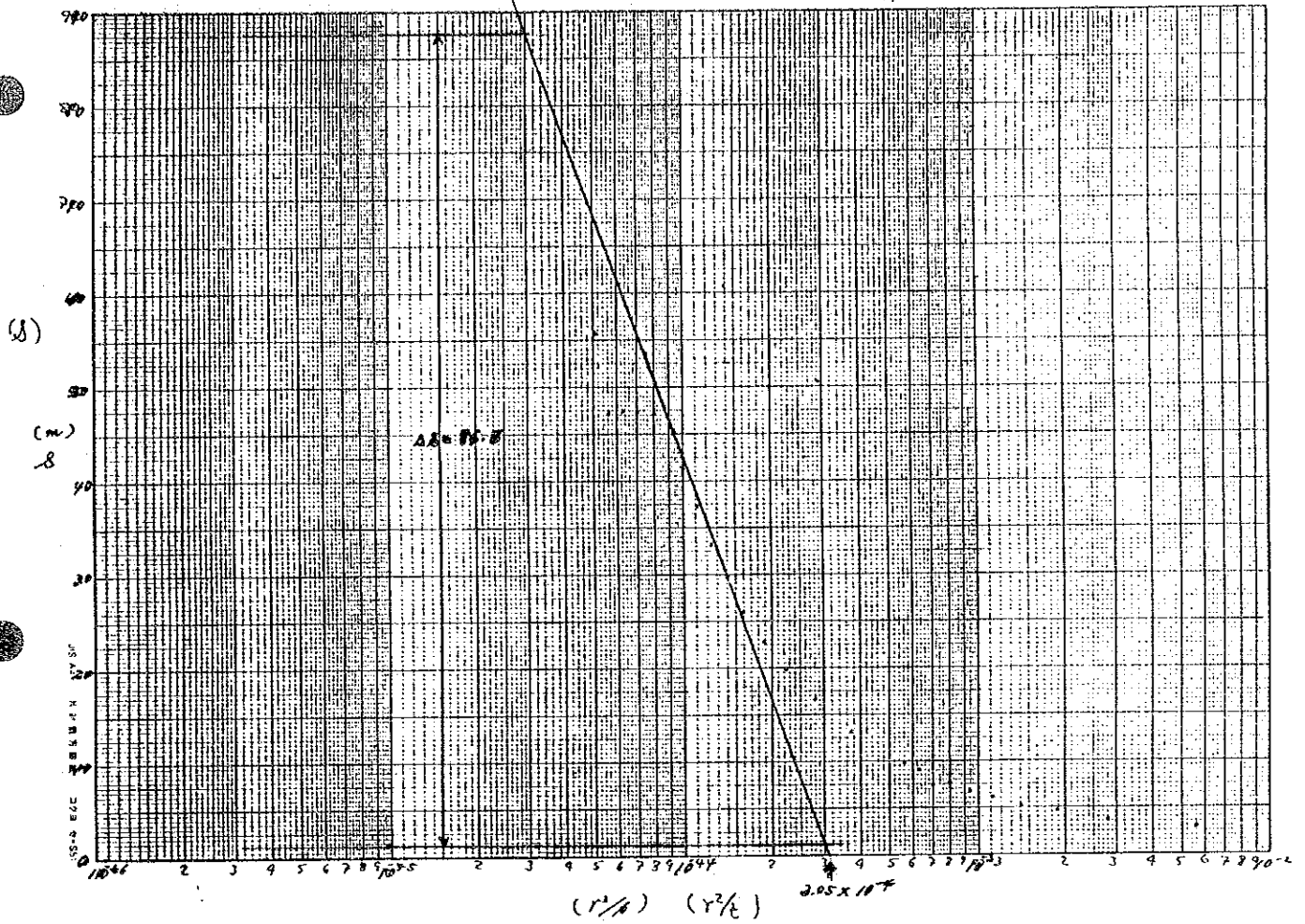


theis <JC-4, EL GUYO>

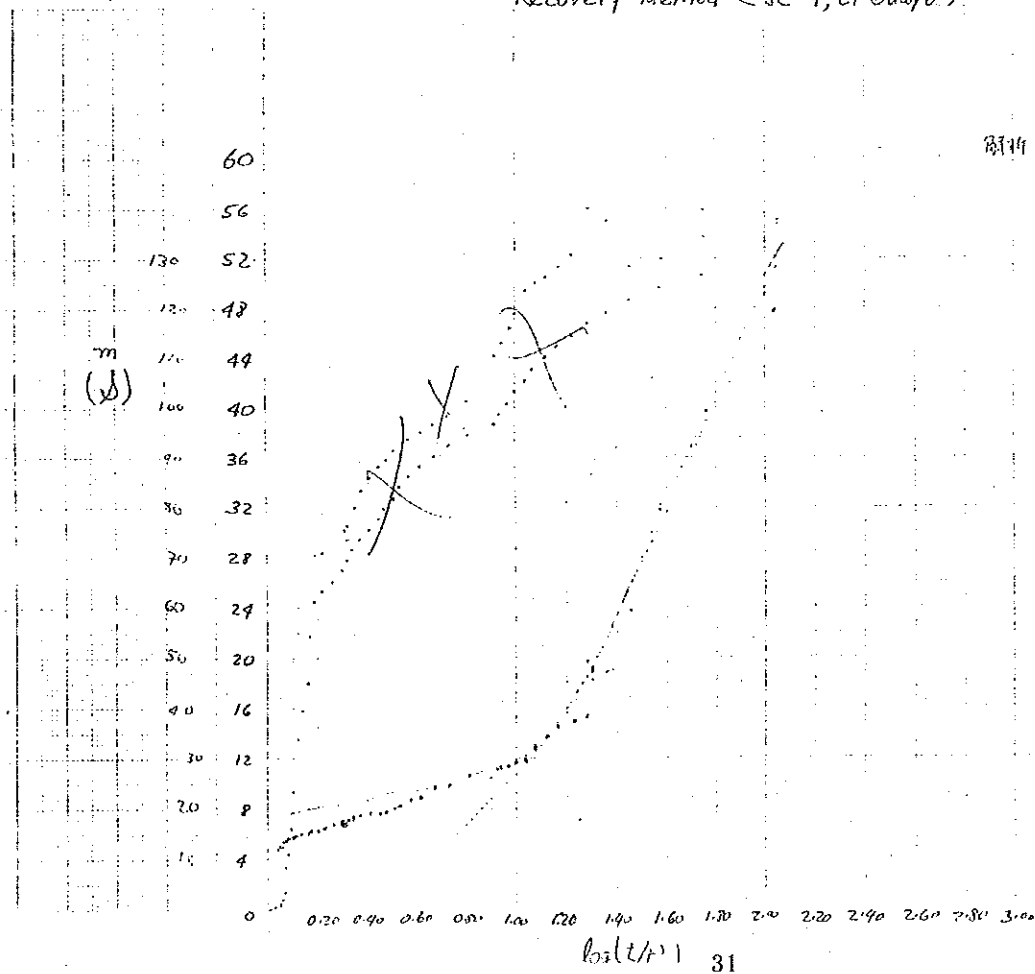


470

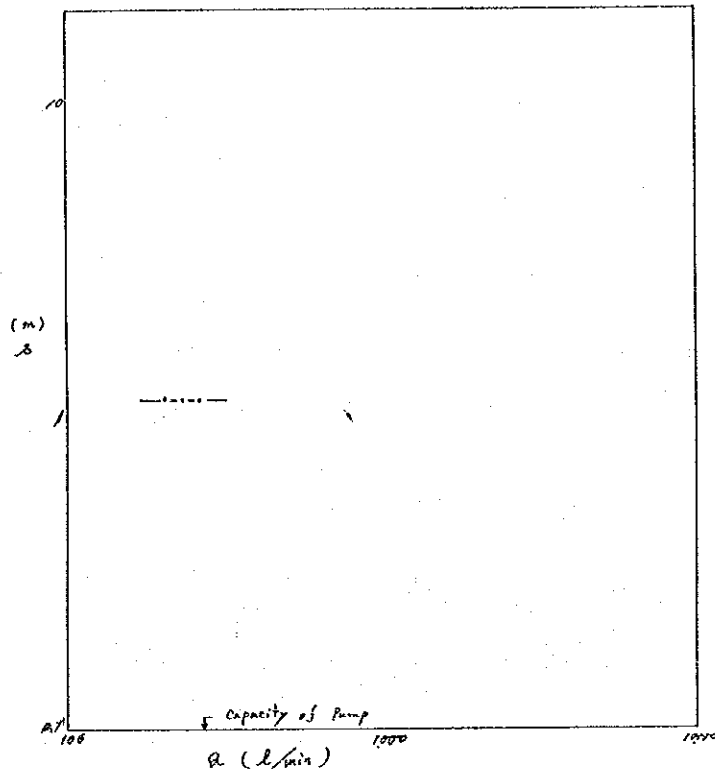
Jacob Method (JC-4, El Guayo)



Recovery Method (JC-4, El Guayo)

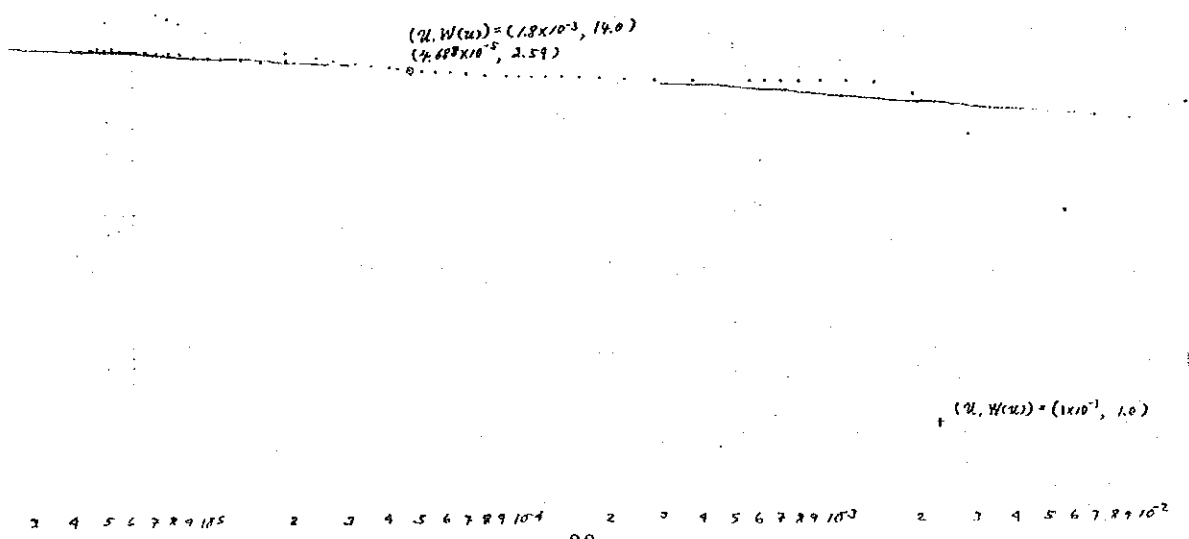


167



This method < PD-4, LAS AGUAS >

100
90
80
70
60
50
40
30
20
10
8
7
6
5
4
3
2
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2

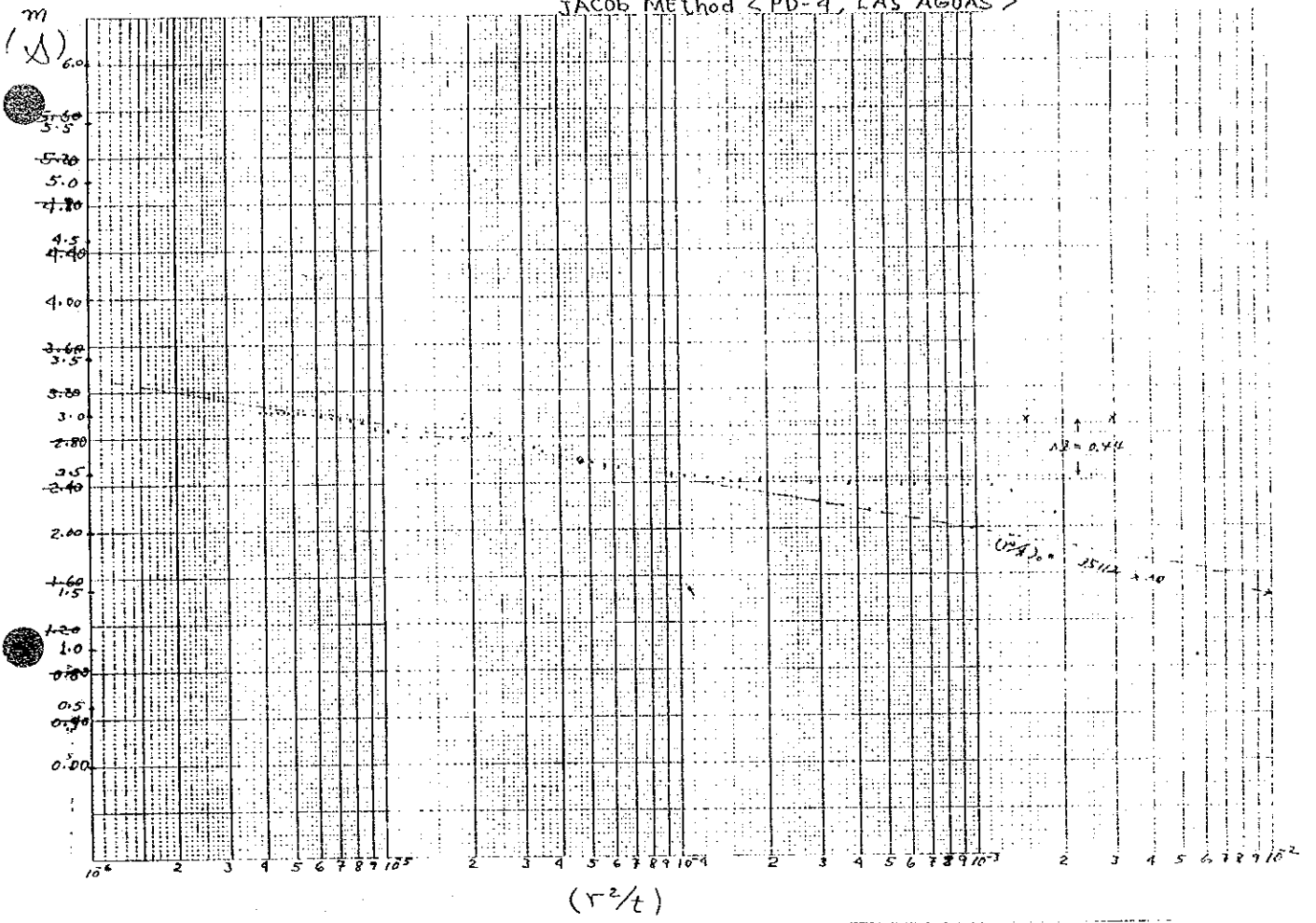


$(Q, W(x)) = (1.8 \times 10^{-3}, 14.0)$
 $(7.68 \times 10^{-5}, 2.59)$

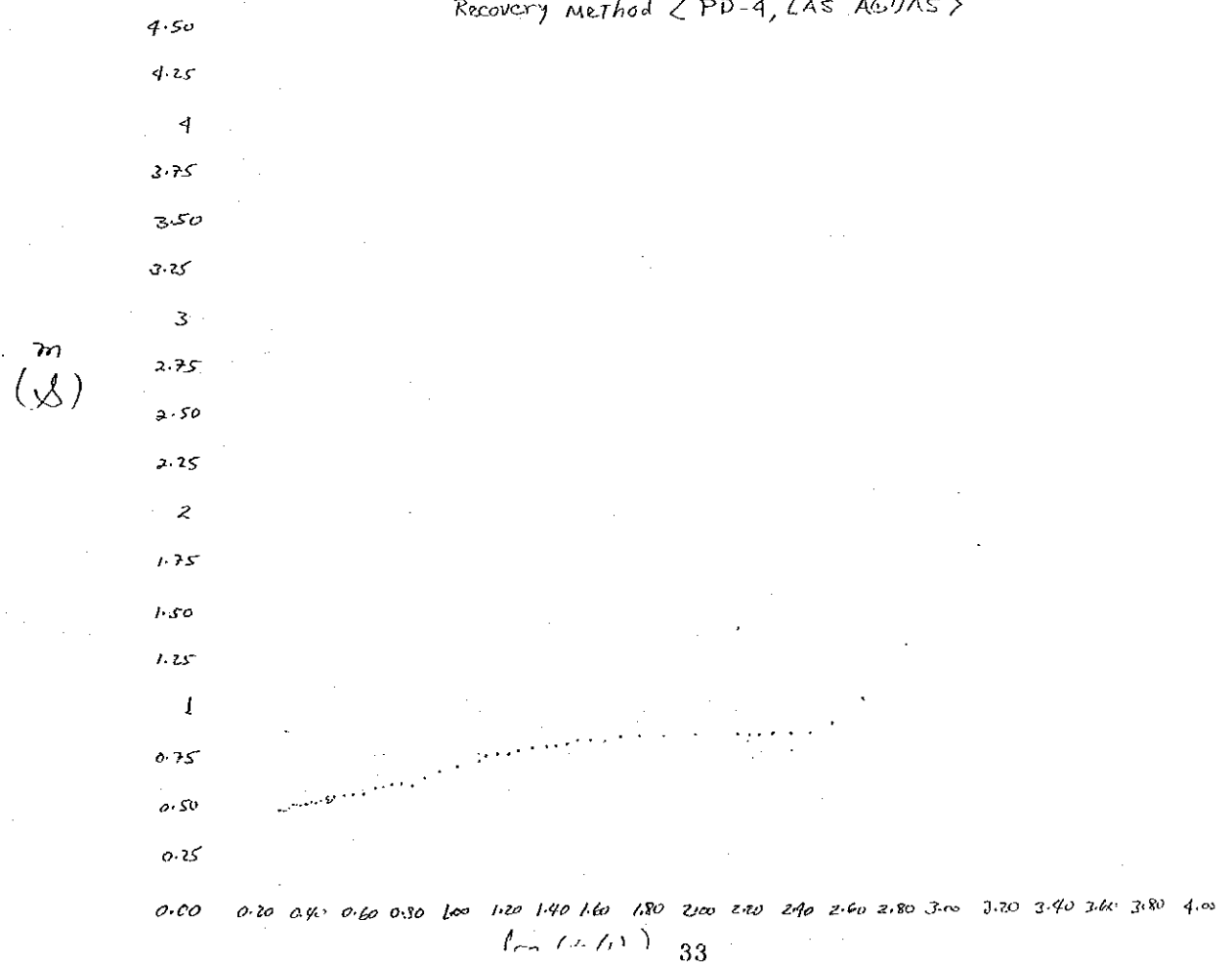
$(Q, W(x)) = (1.2 \times 10^{-1}, 1.0)$

472

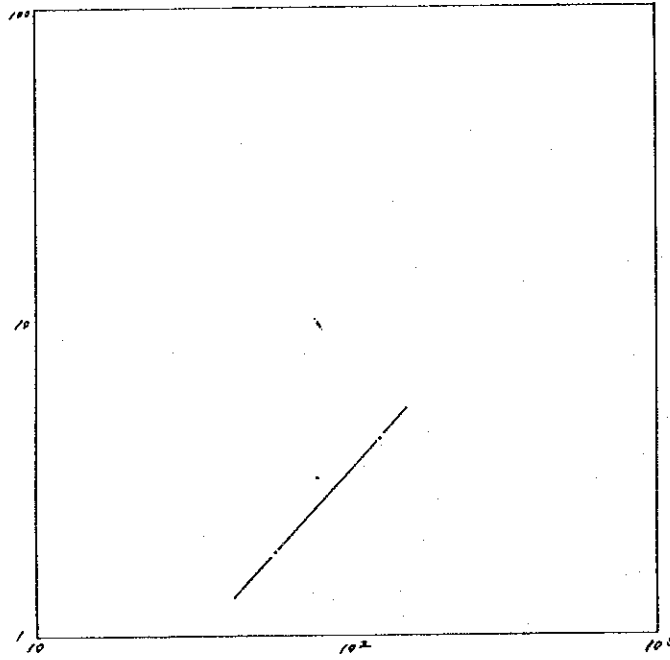
JACOB Method < PD-4, LAS AGUAS >



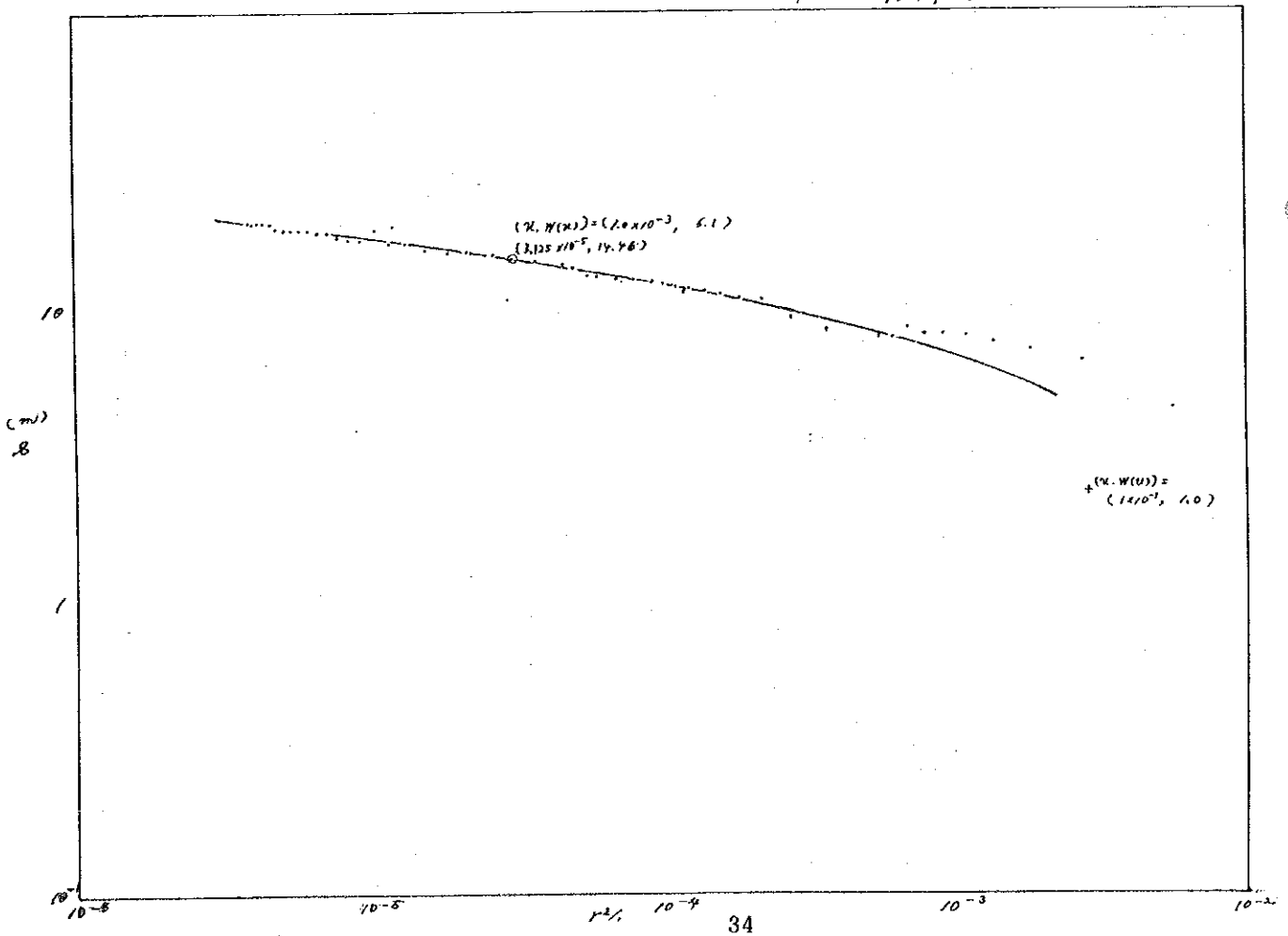
Recovery Method < PD-4, LAS AGUAS >



473

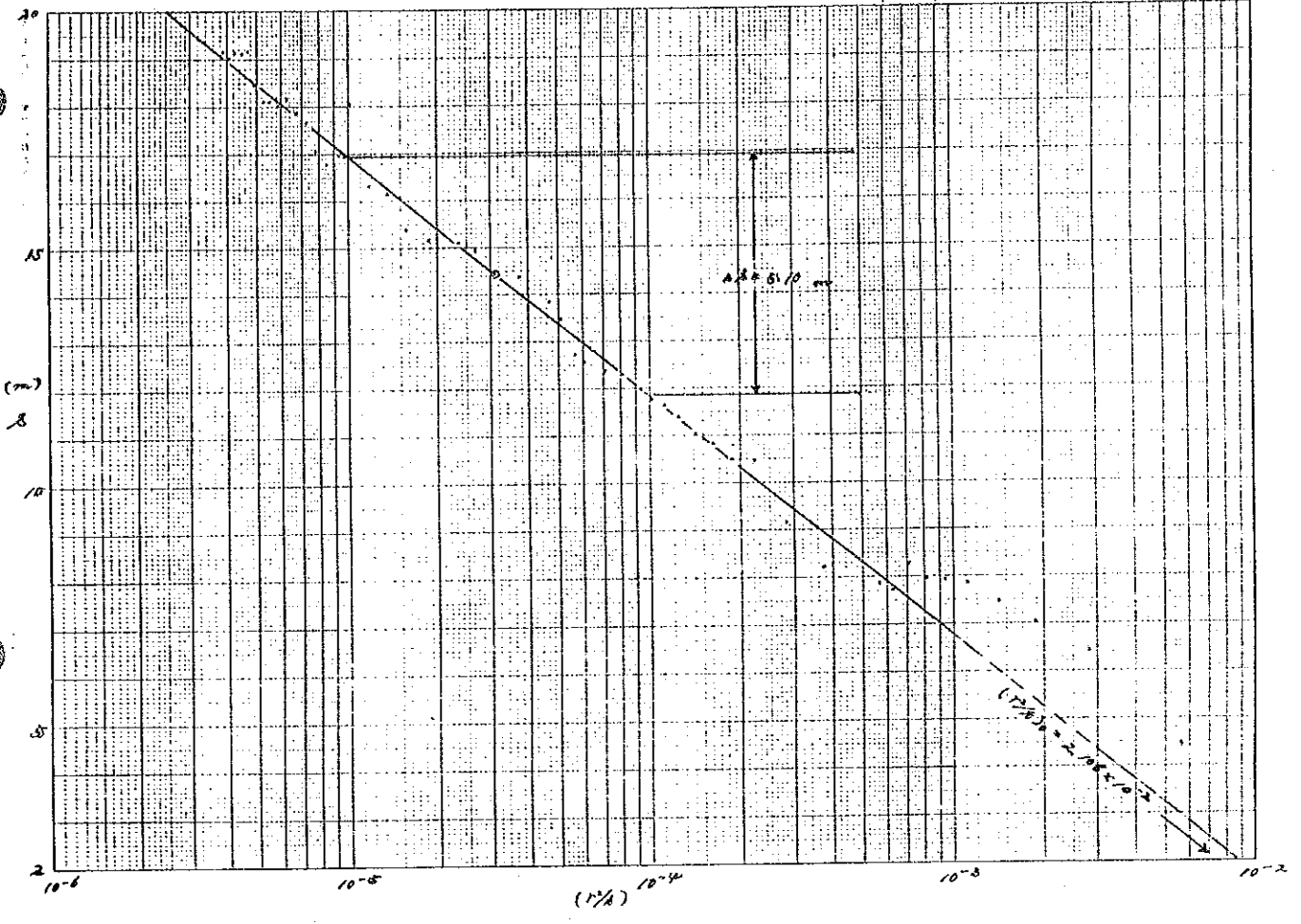


Teis < PD-1, Ito curchado >

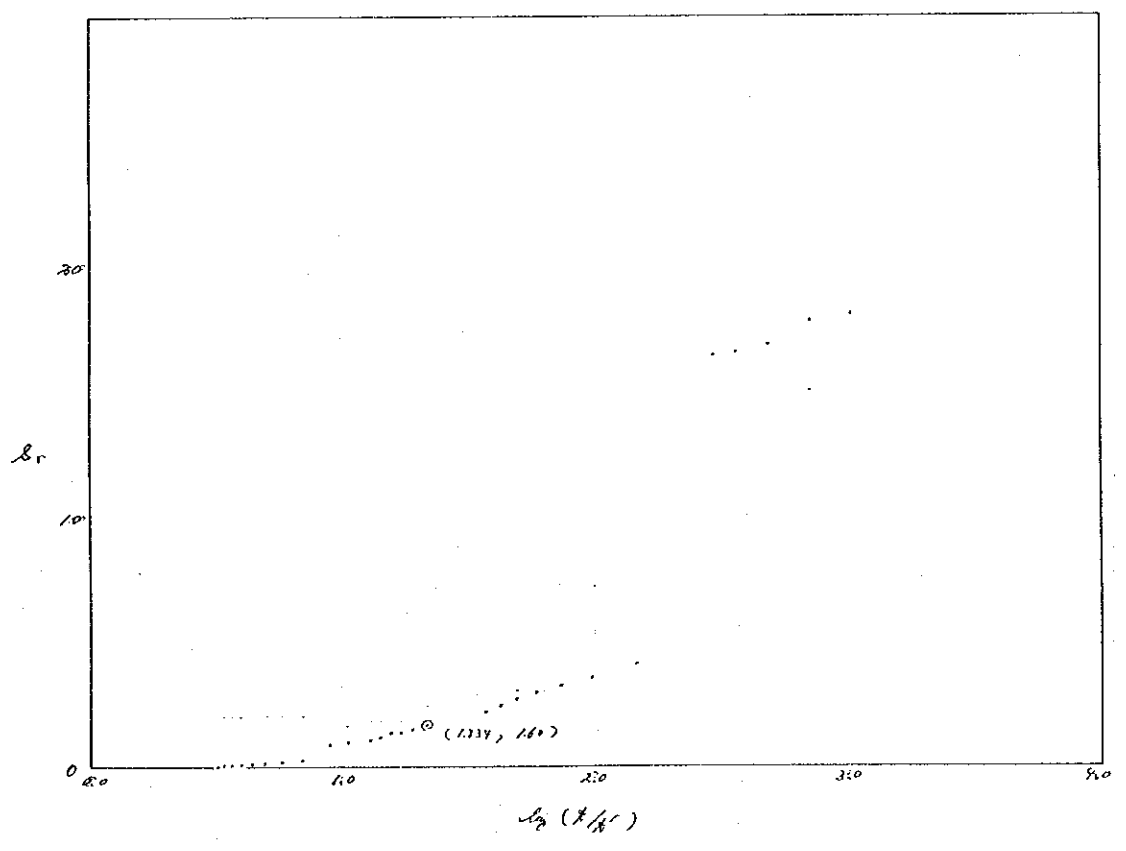


424

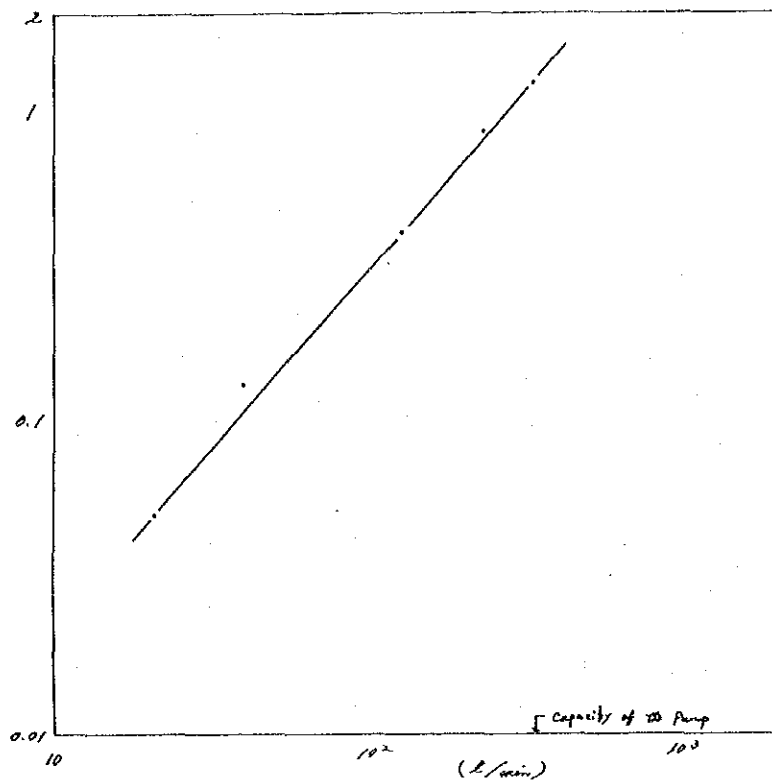
Jacob < PD-1, Jobo Cercabado >



Recovery Method < PD-3, Jobo Cercabado >



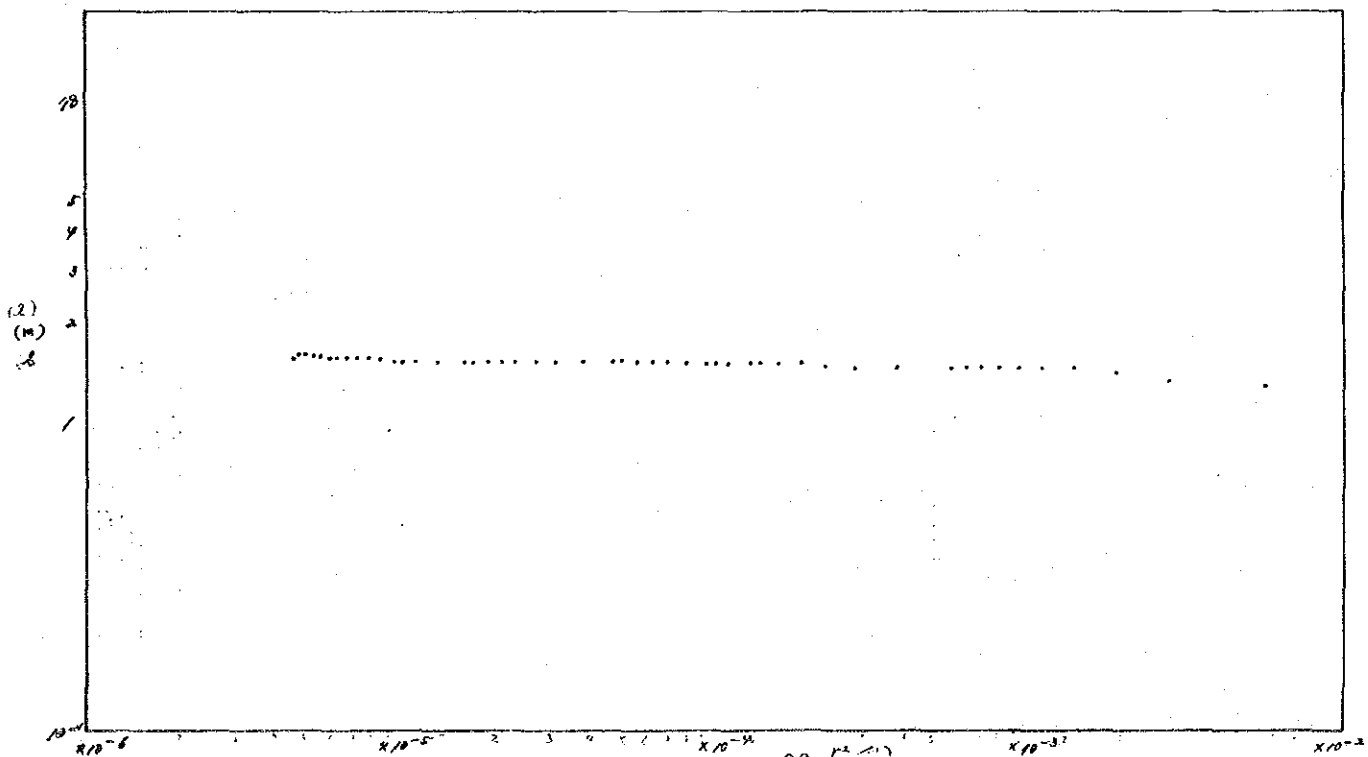
567



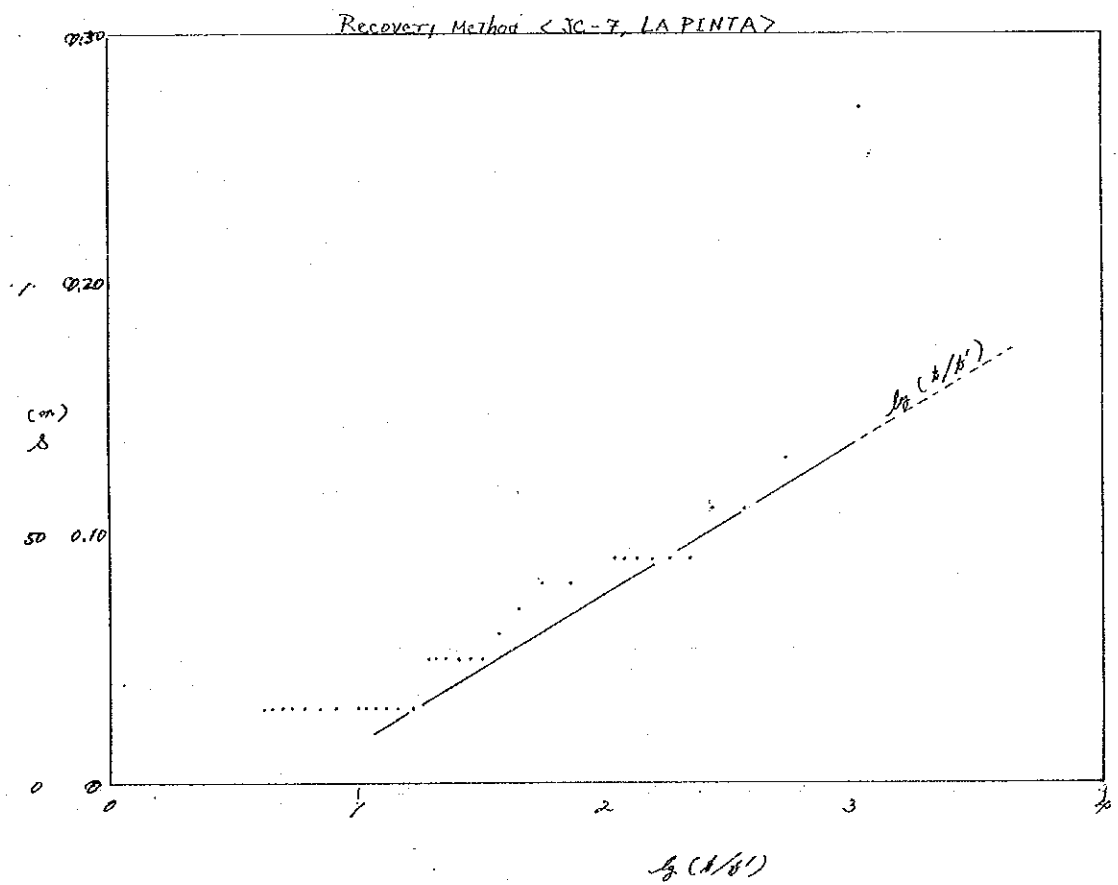
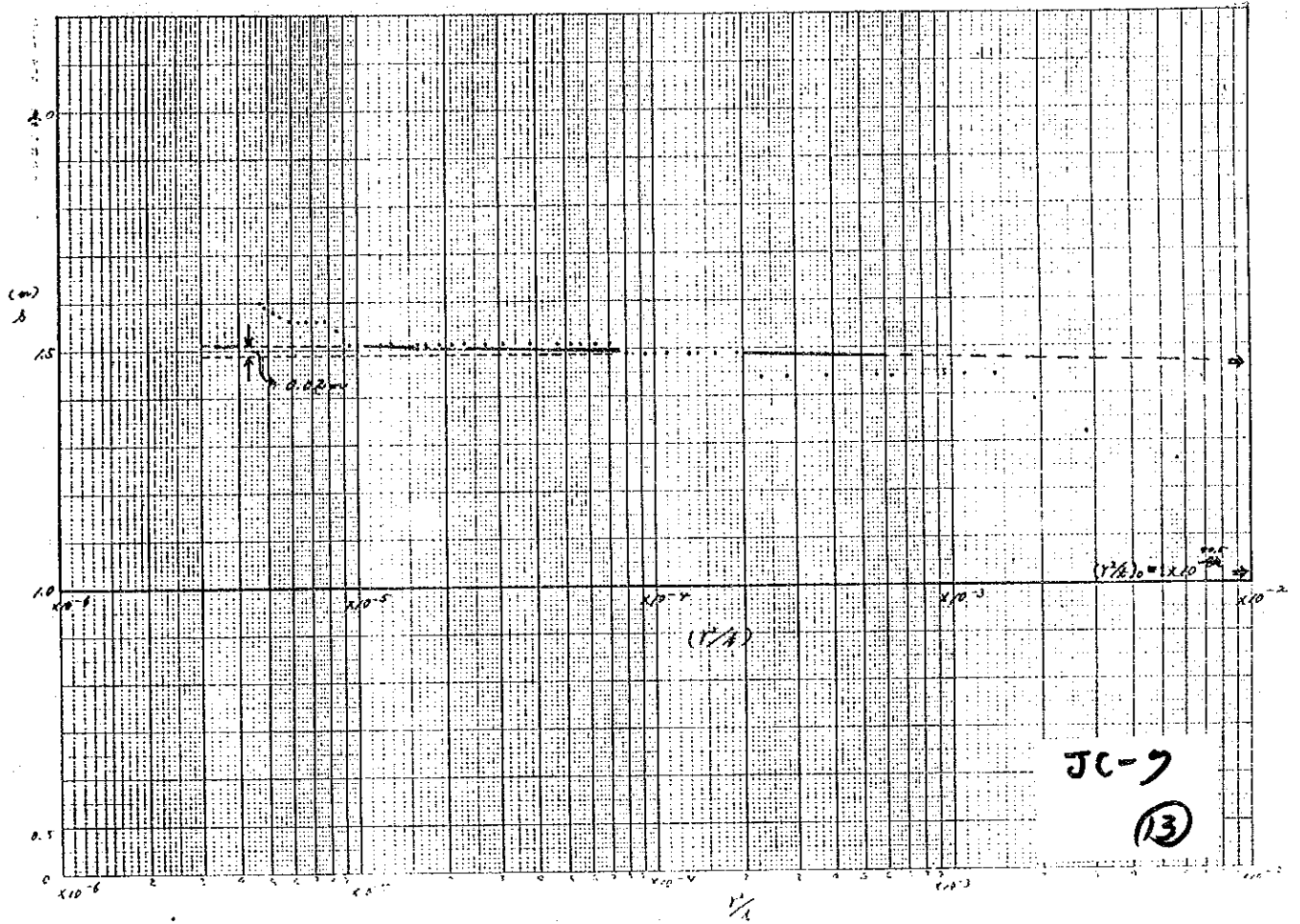
Three (C-2) 50-2 122 4/10

耗量 (C-2) 122 4/10

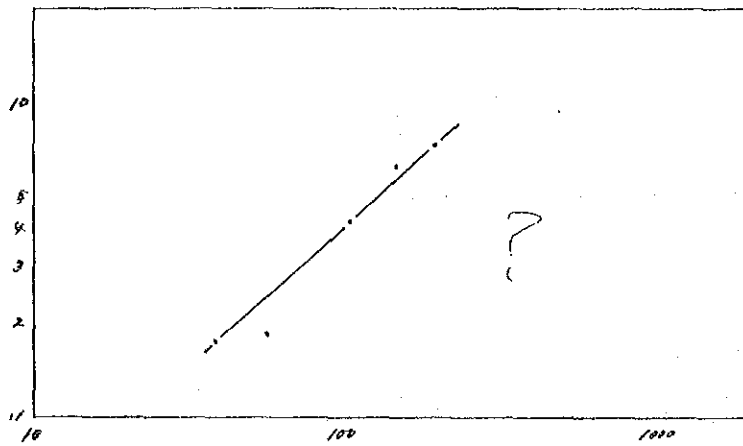
0.000 4/10



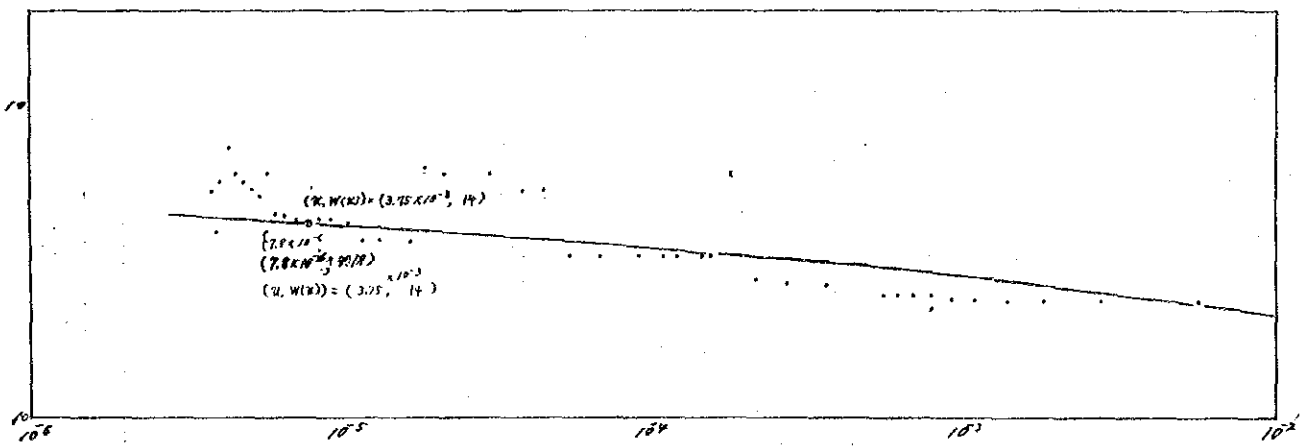
476



497



10-2



$(\mu, W(\mu)) = (10^{-4}, 1)$

106

105

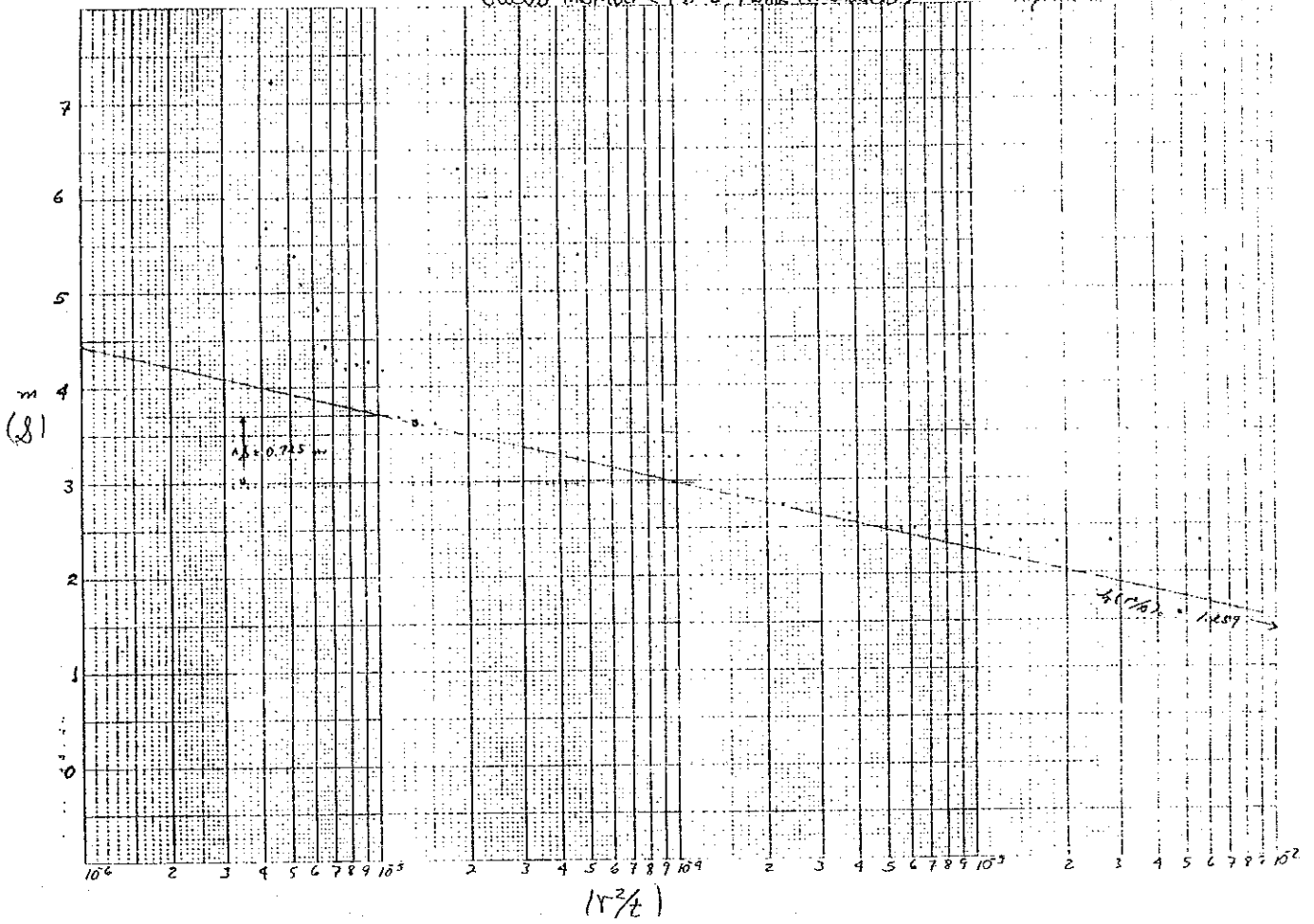
104

103

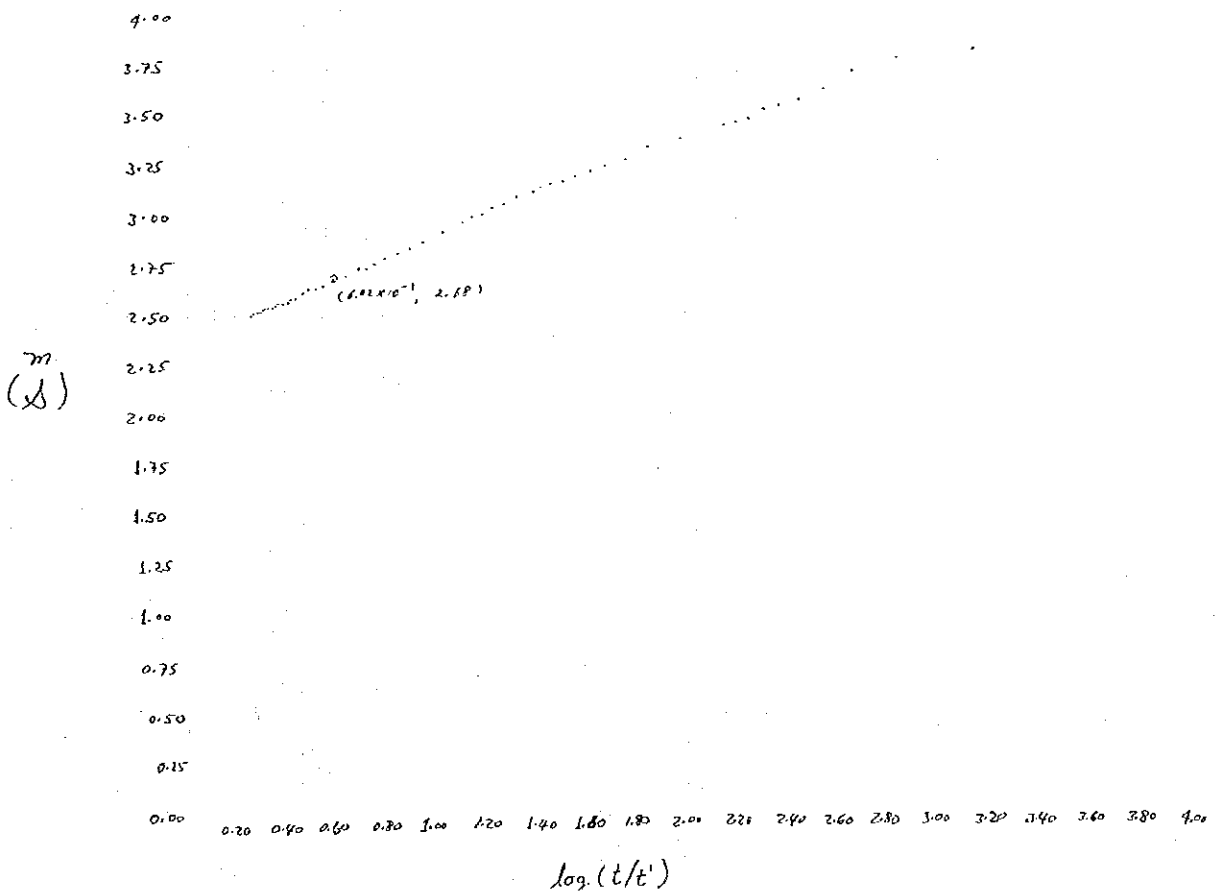
102

1079

Jacob Method < PD-2, Peña Ranchadero >



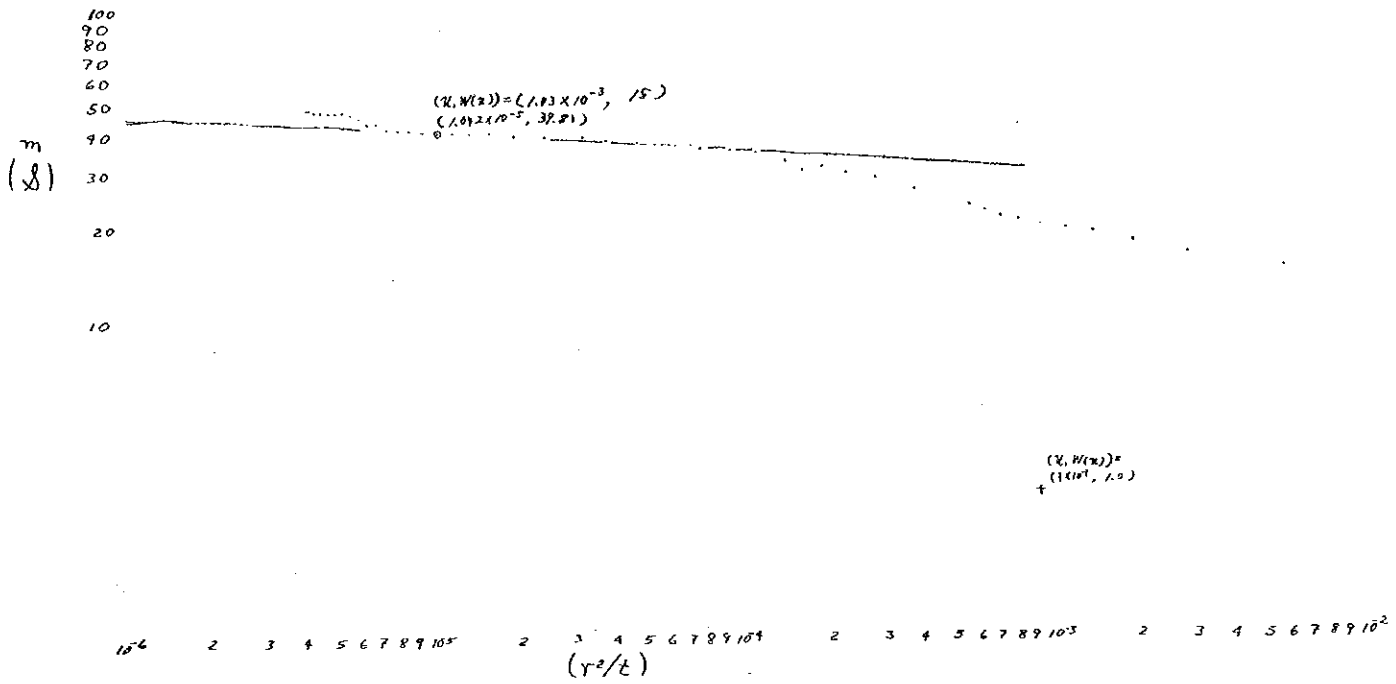
Recovery Method < PD-2, Peña Ranchadero >



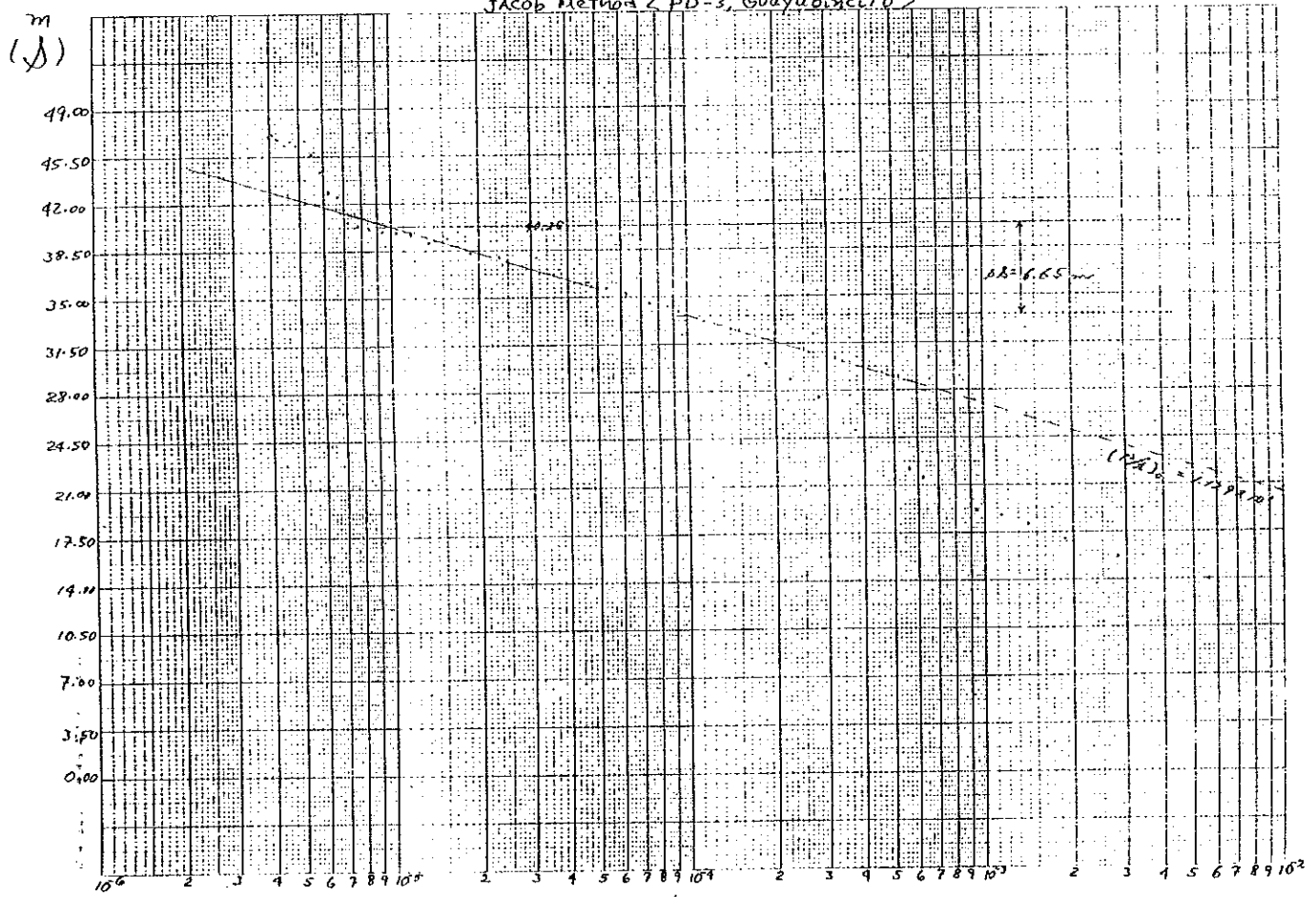
167

Thais Method < PD-3, Guayubincito >

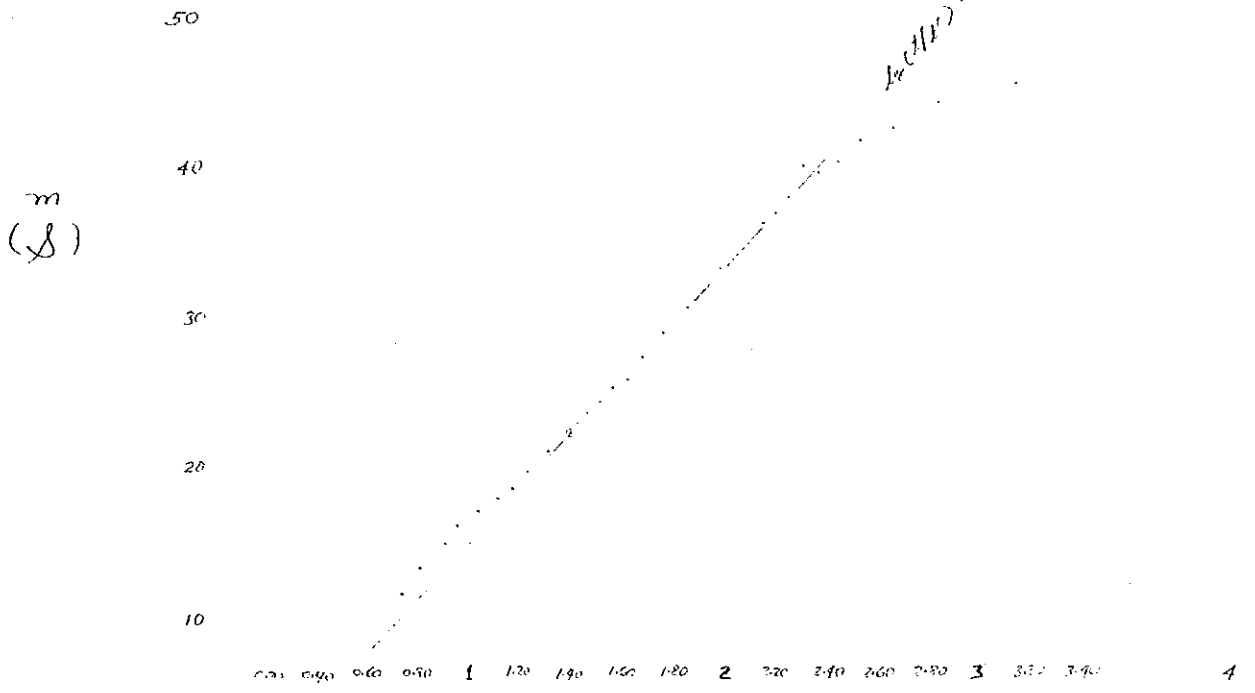
0°C



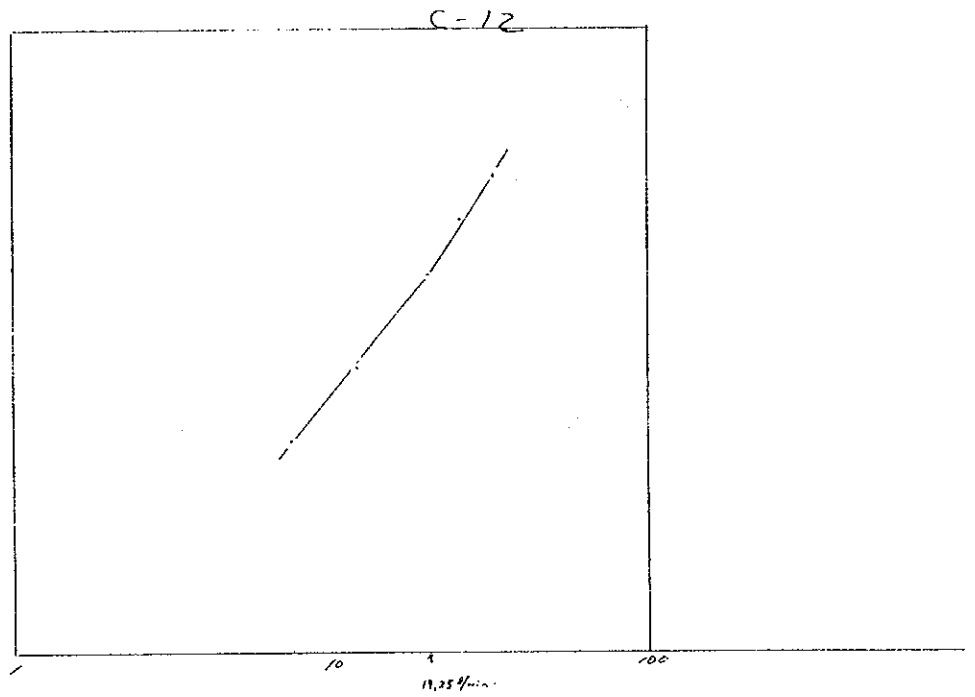
JACOB METHOD < PD-3, Guayubincito >



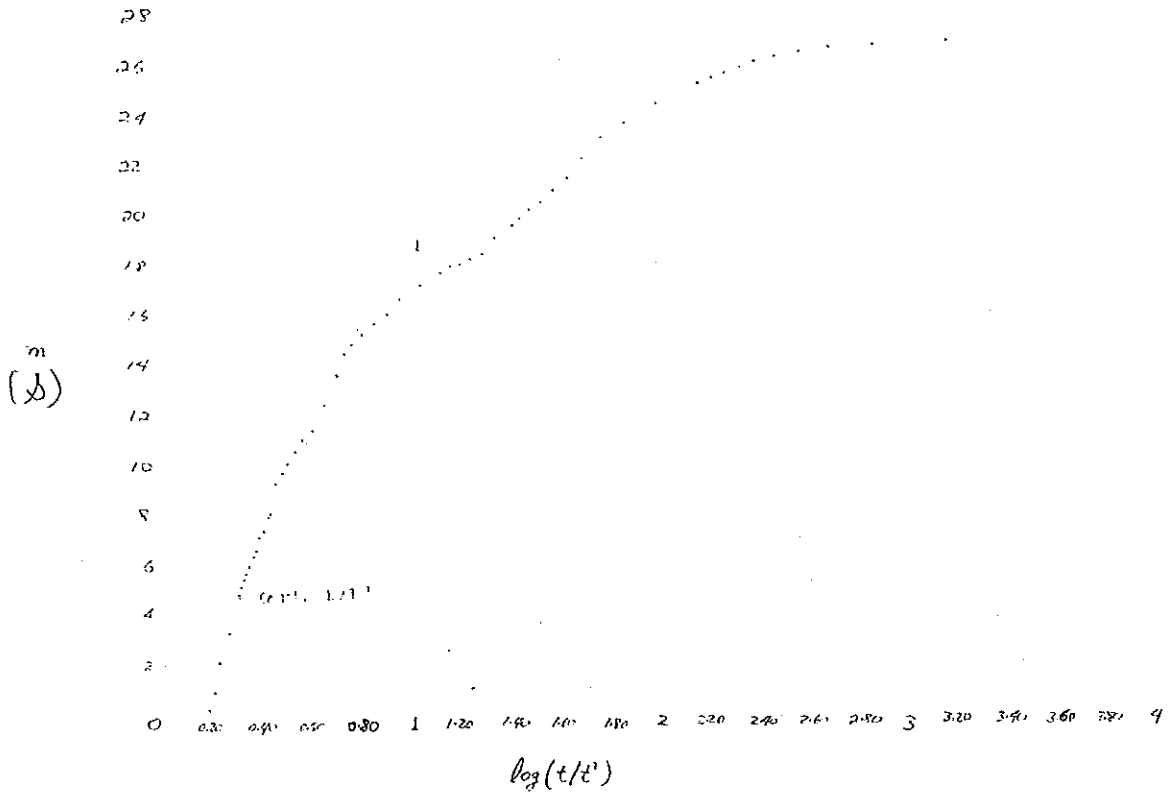
Recovery Method < PD-3, GUAYUBINCITO >



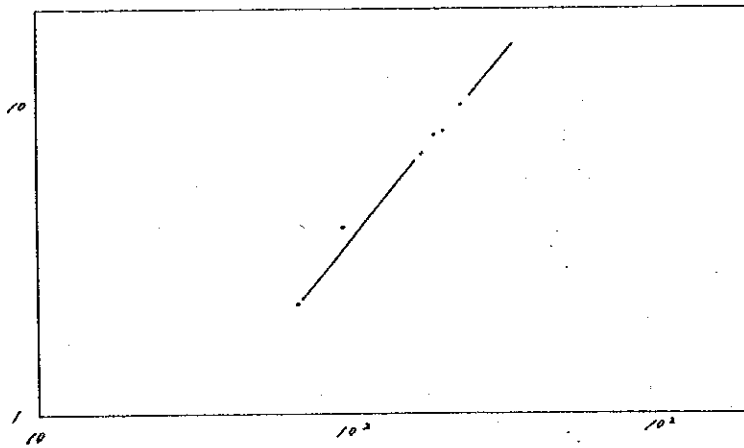
$\log(t/t')$



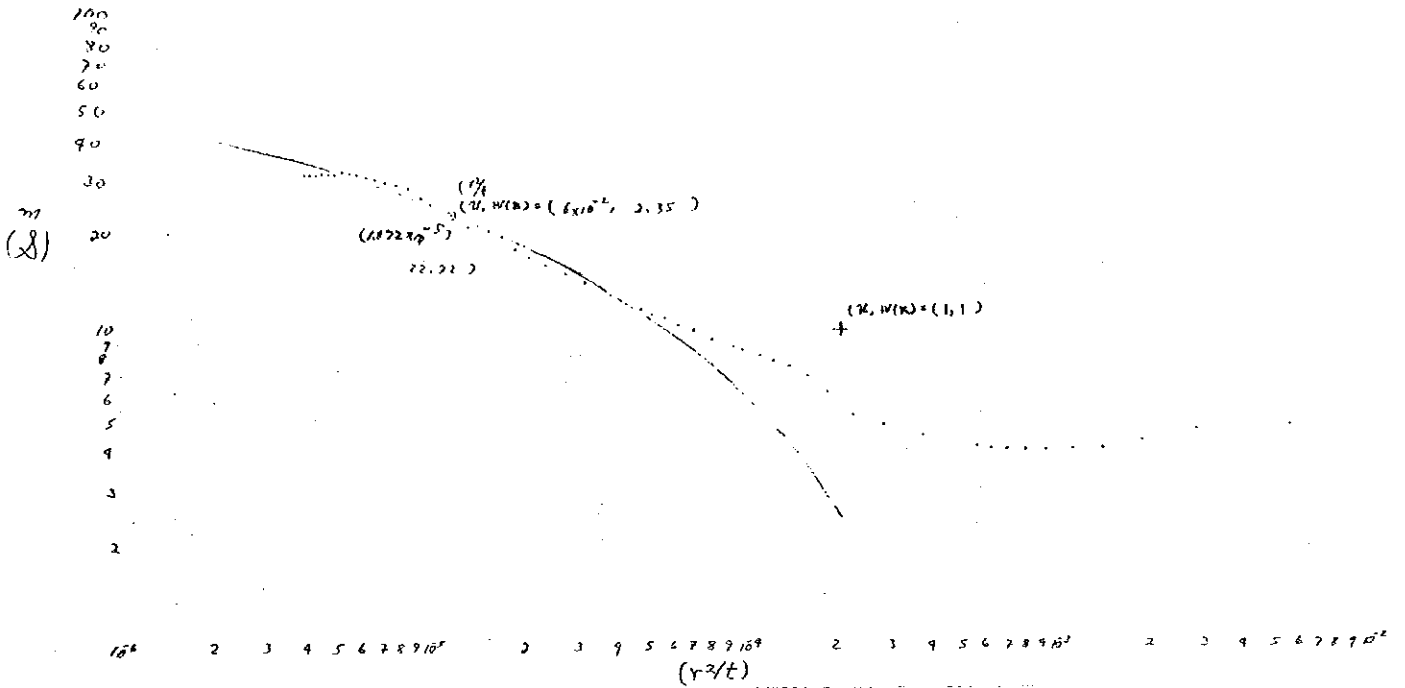
Recovery Method < JC-12, CABEZA DE TORO >



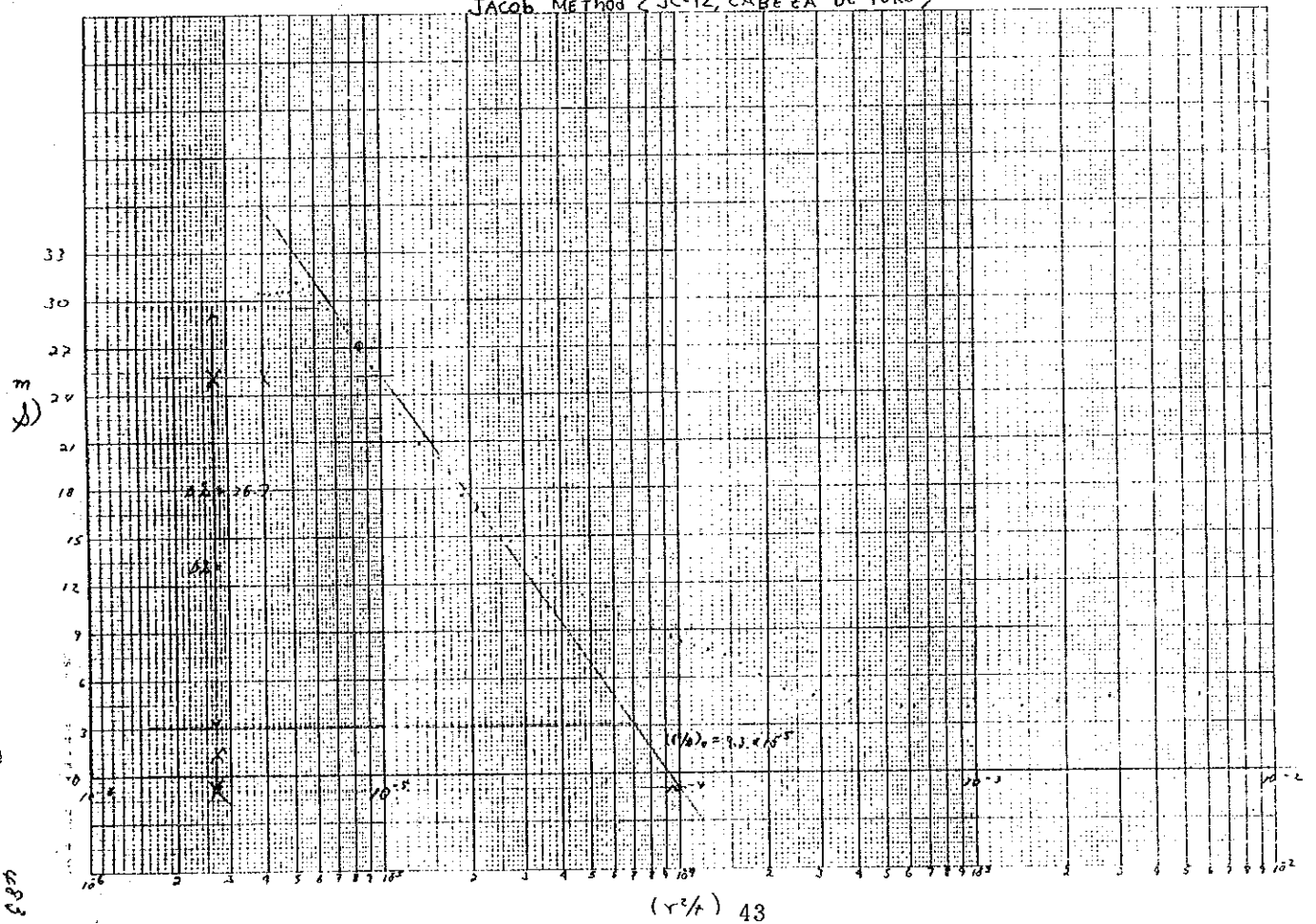
Jc-2



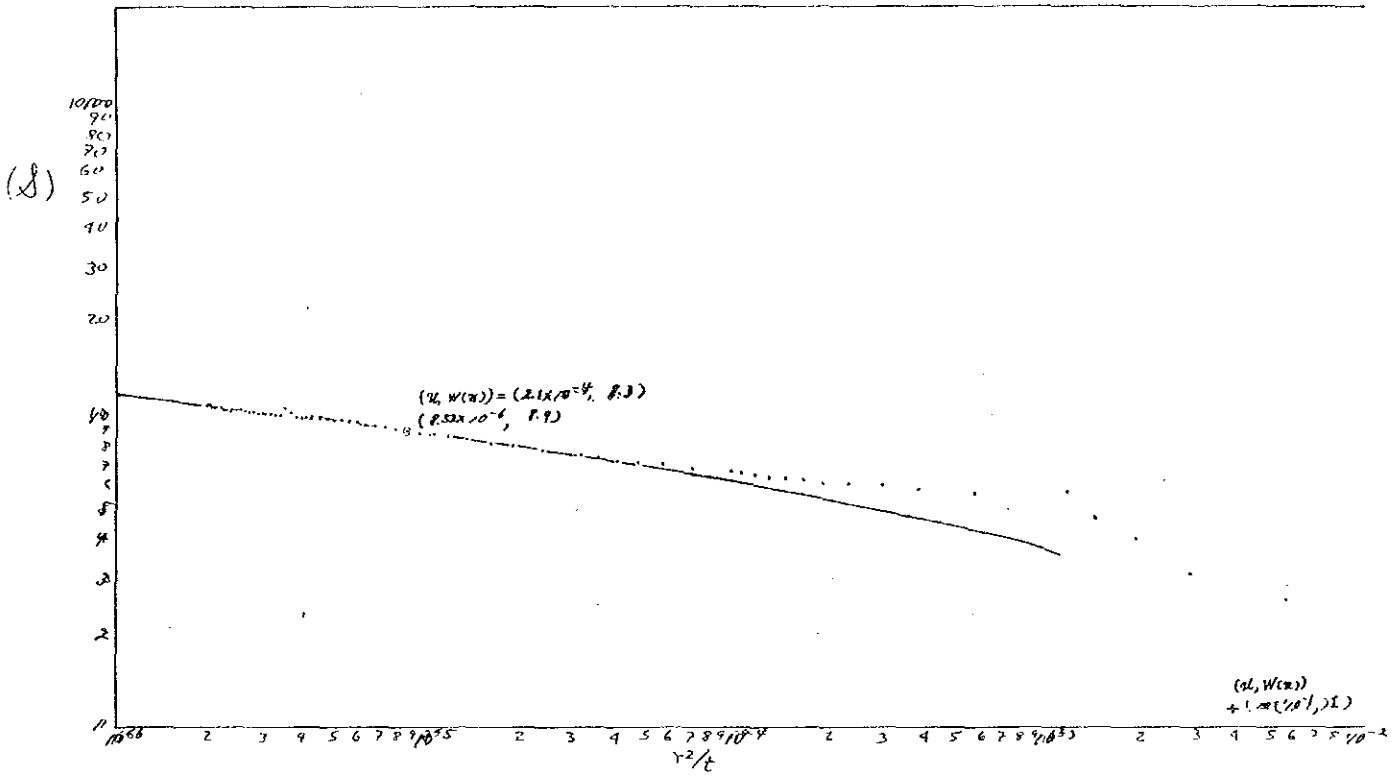
Thuis Method < JC-12, CABEZA DE TORO >



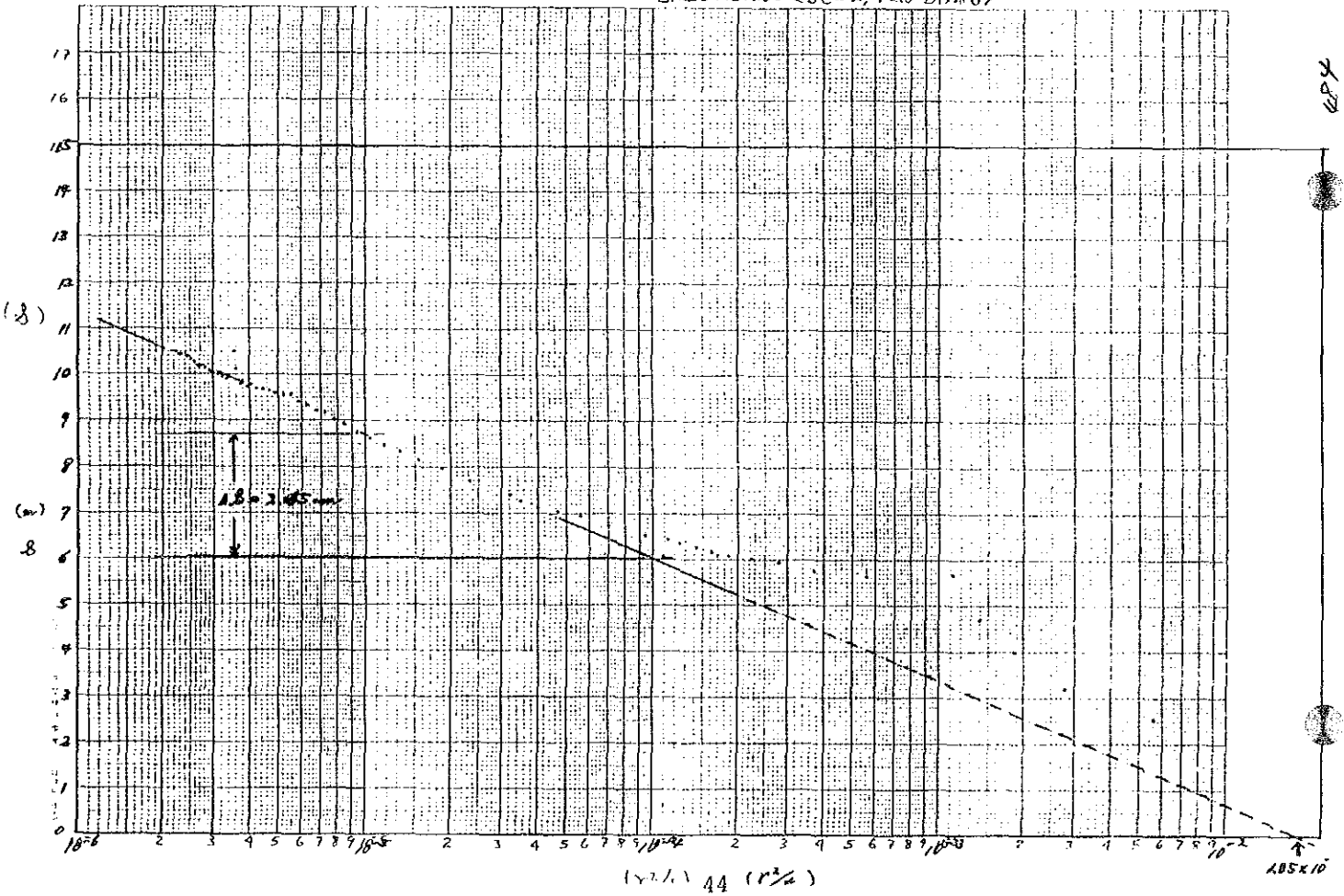
JACOB METHOD < JC-12, CABEZA DE TORO >



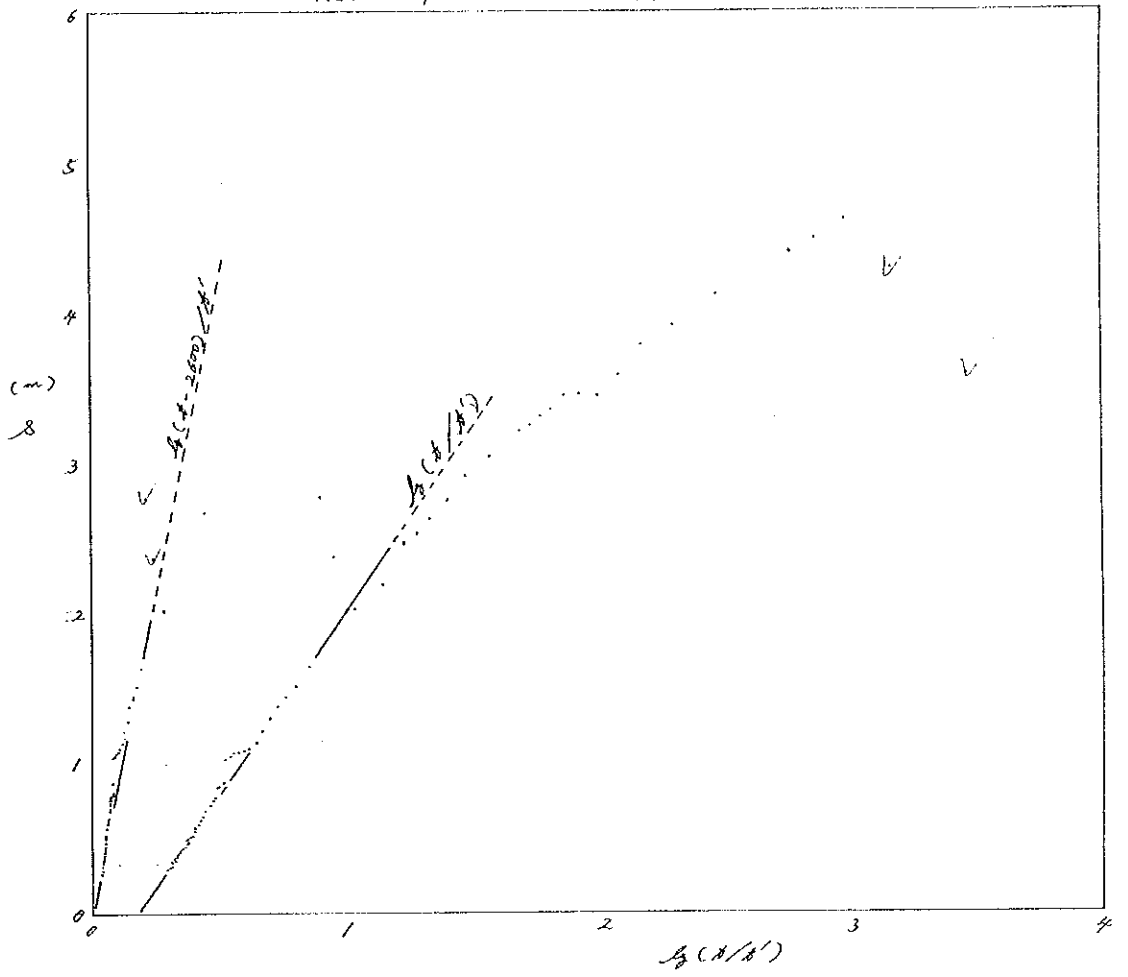
Theis METHOD <JC-2, Palo Blanco>



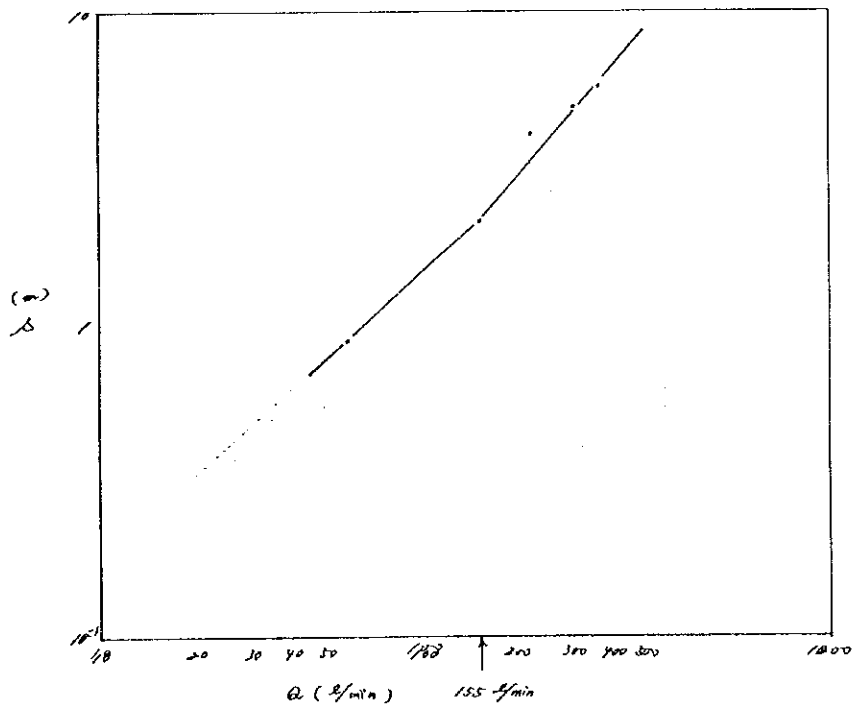
Jacob METHOD <JC-2, Palo Blanco>



Recovery Method < JC-2, polo blanco >

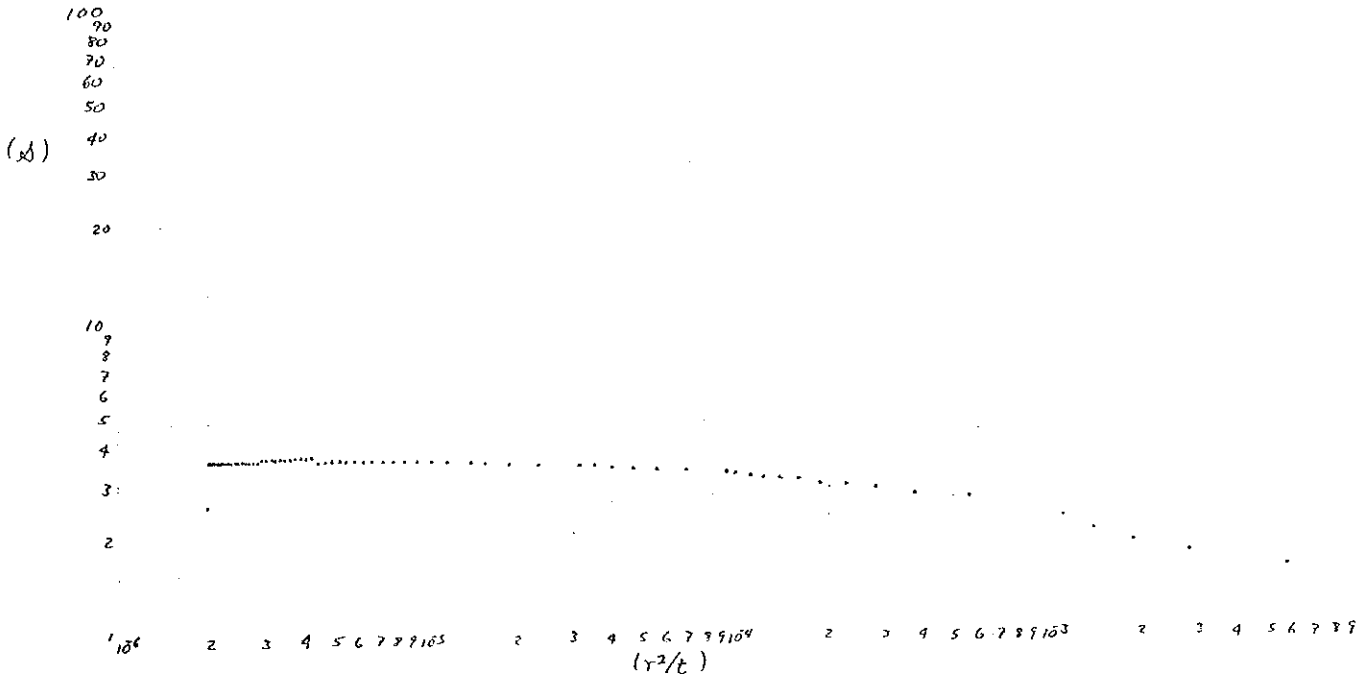


7-1

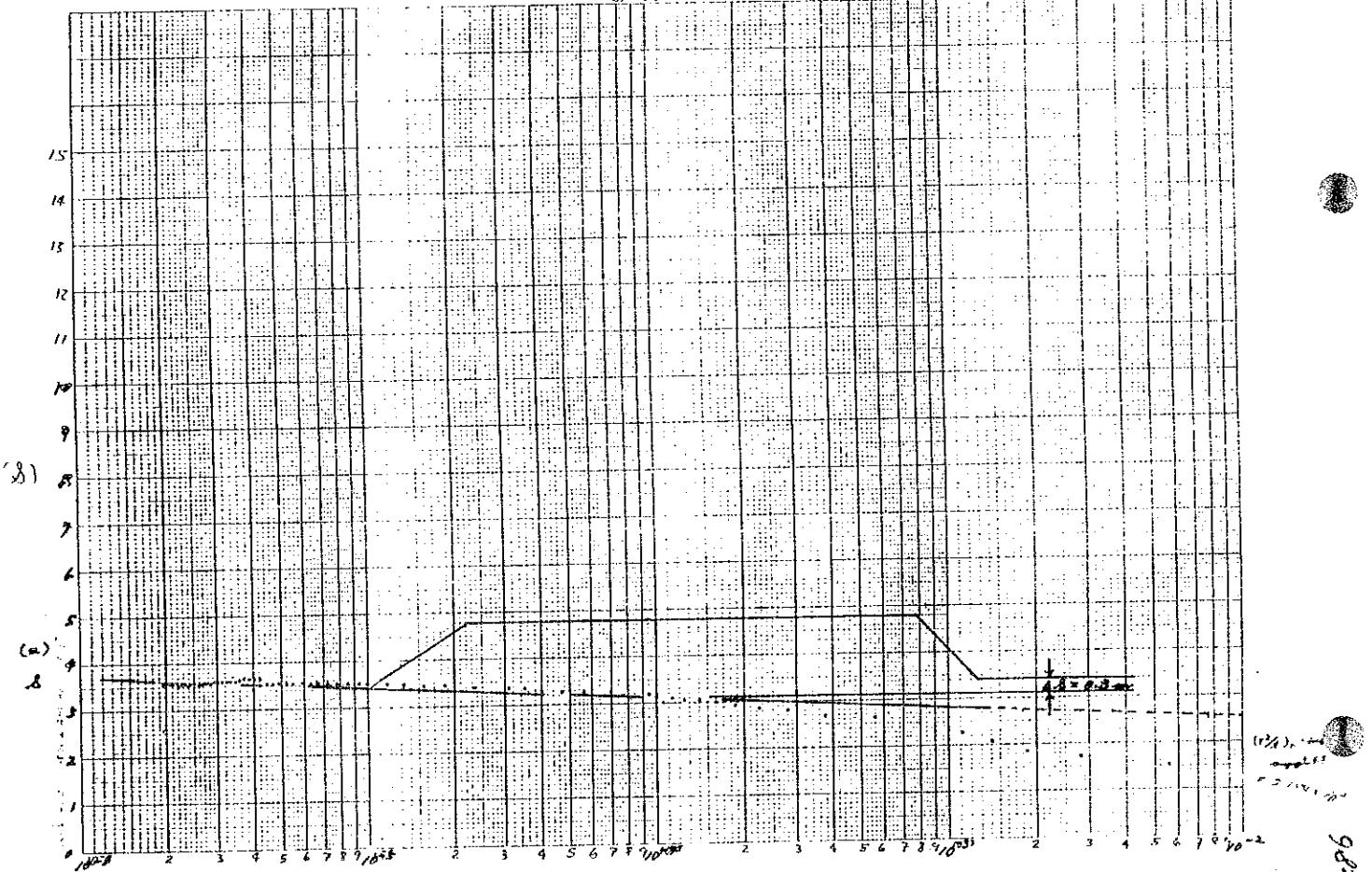


587

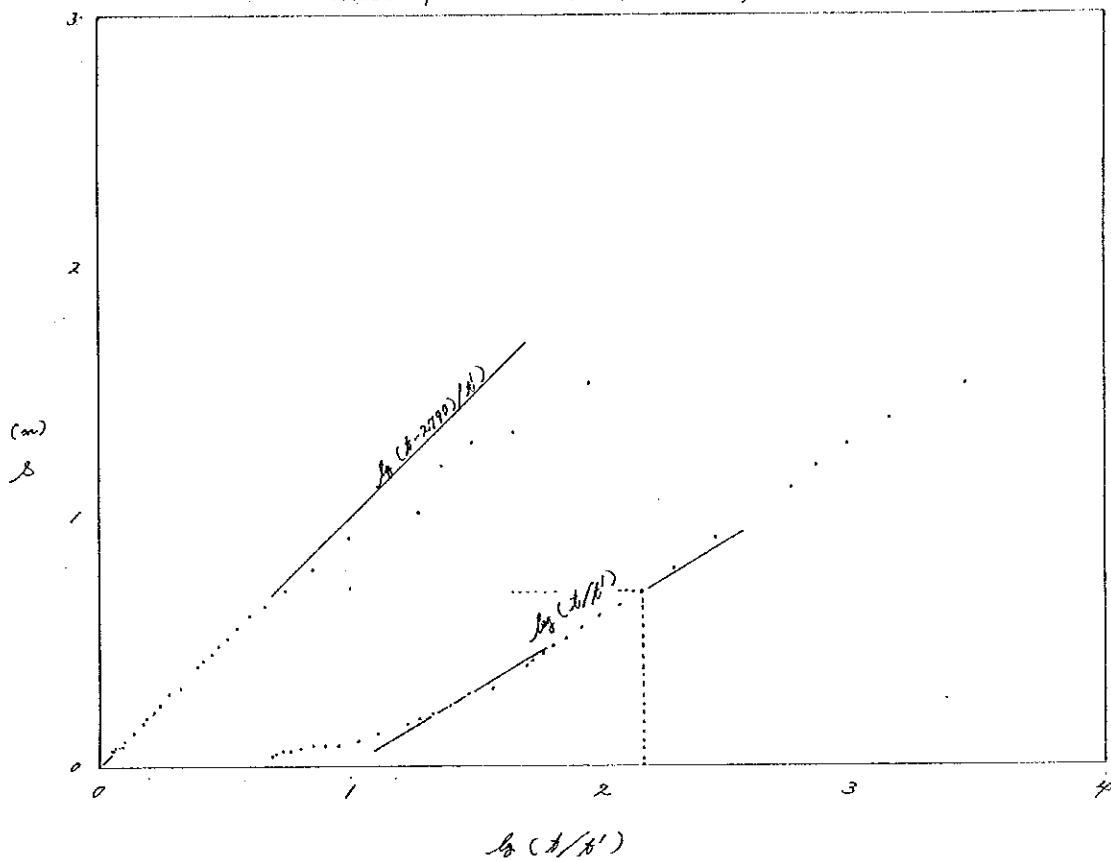
THEIS METHOD <JC-1, LA VIGIA>



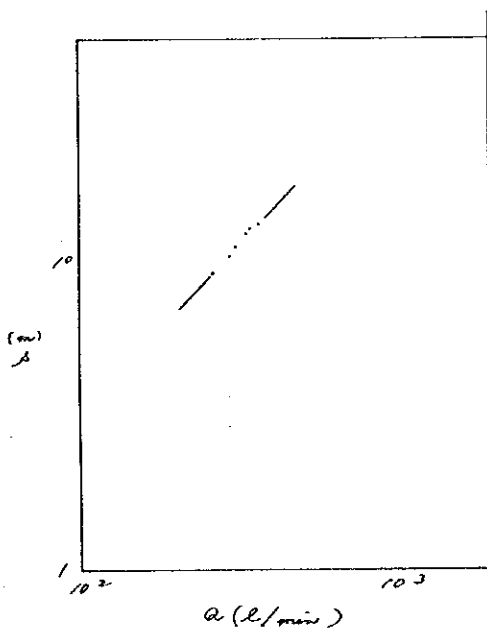
JACOB METHOD <JC-1, LA VIGIA>



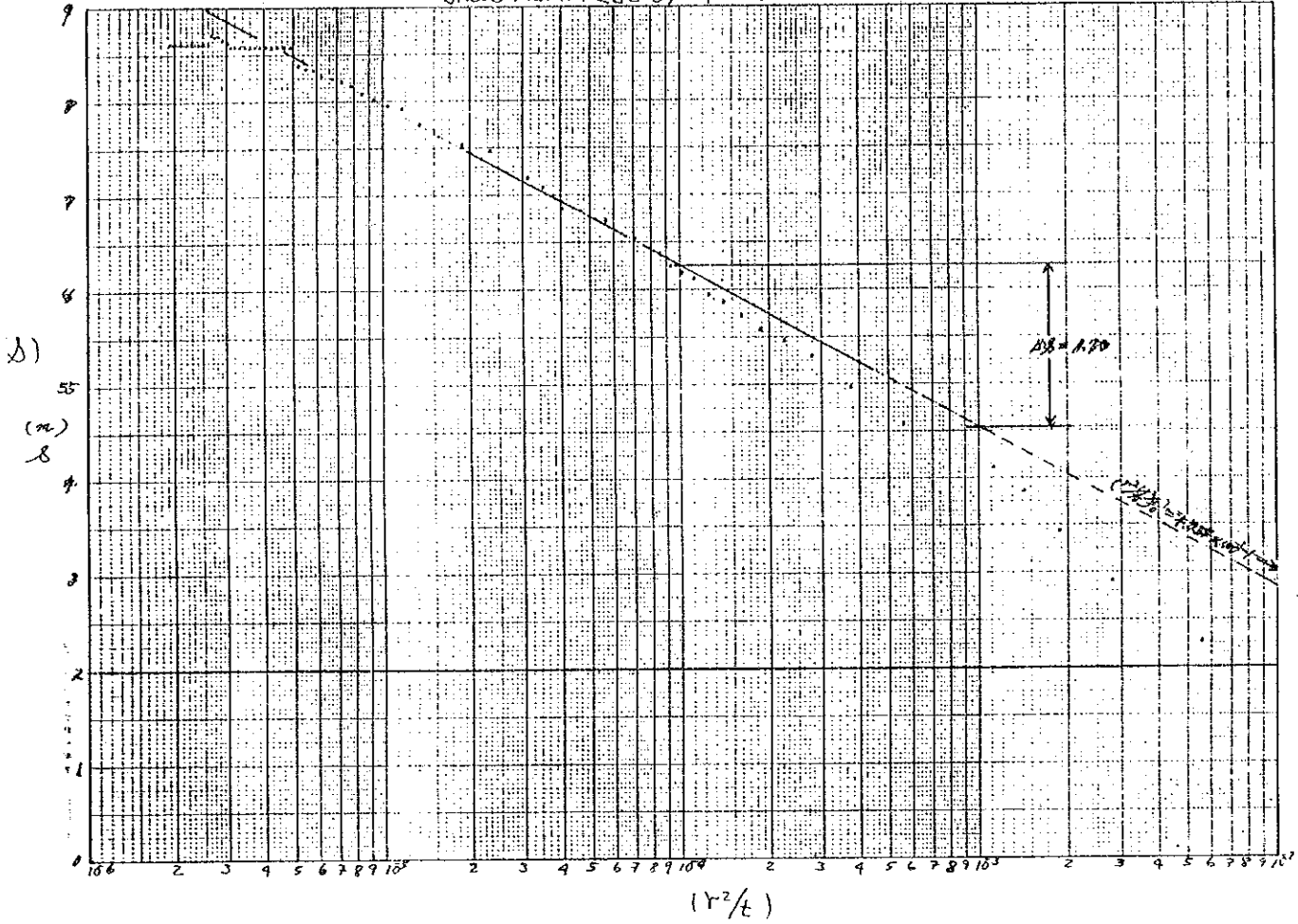
Recovery Method (JC-1, LA VIGIA)



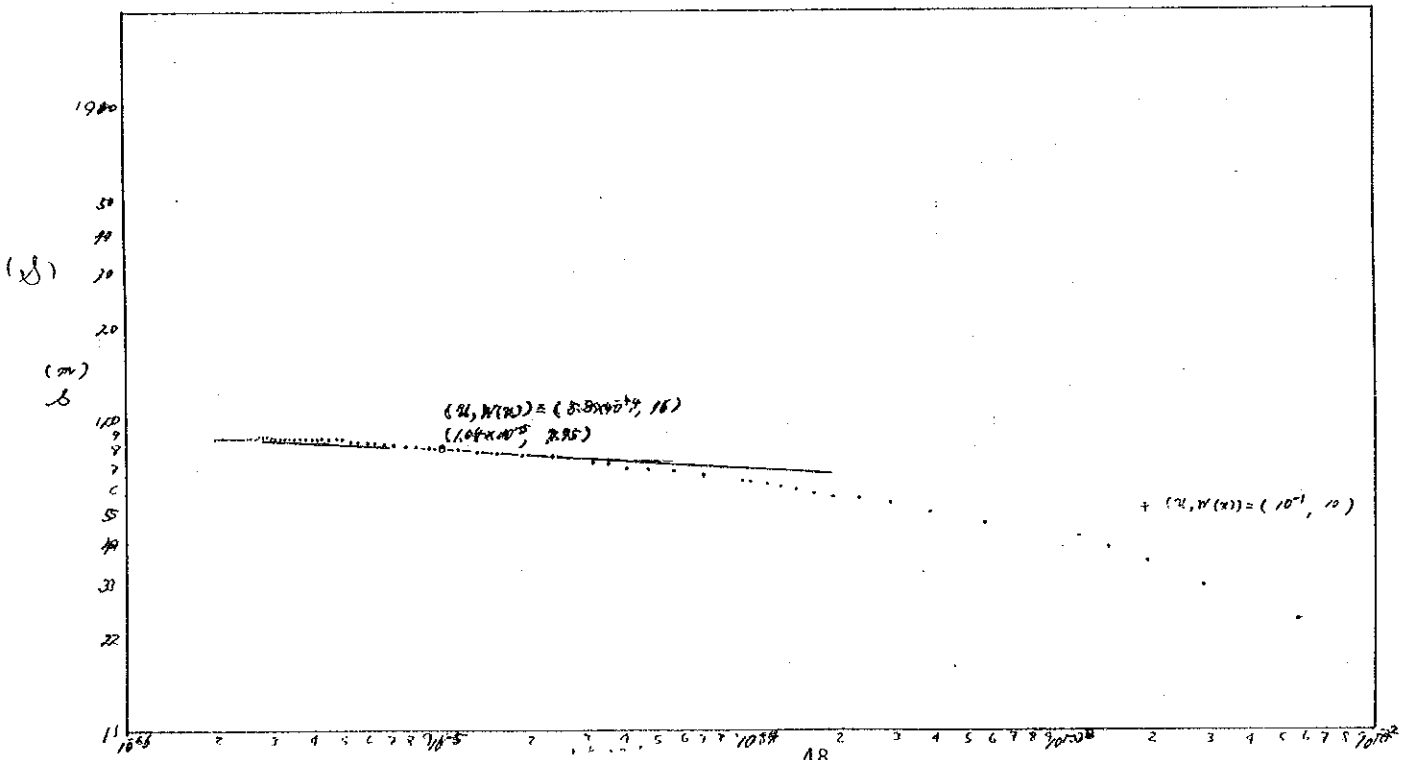
JC-3



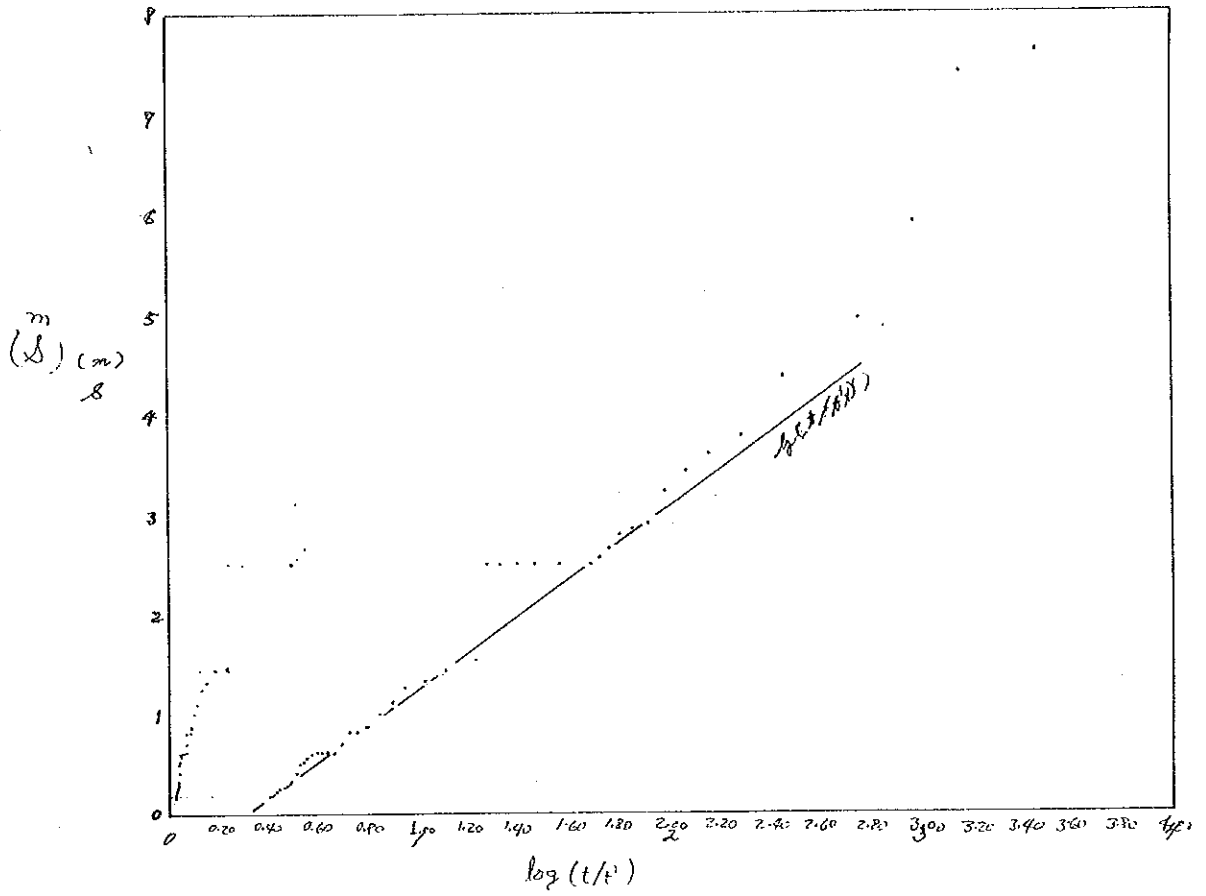
Jacob Method <JC-3, Esperon>



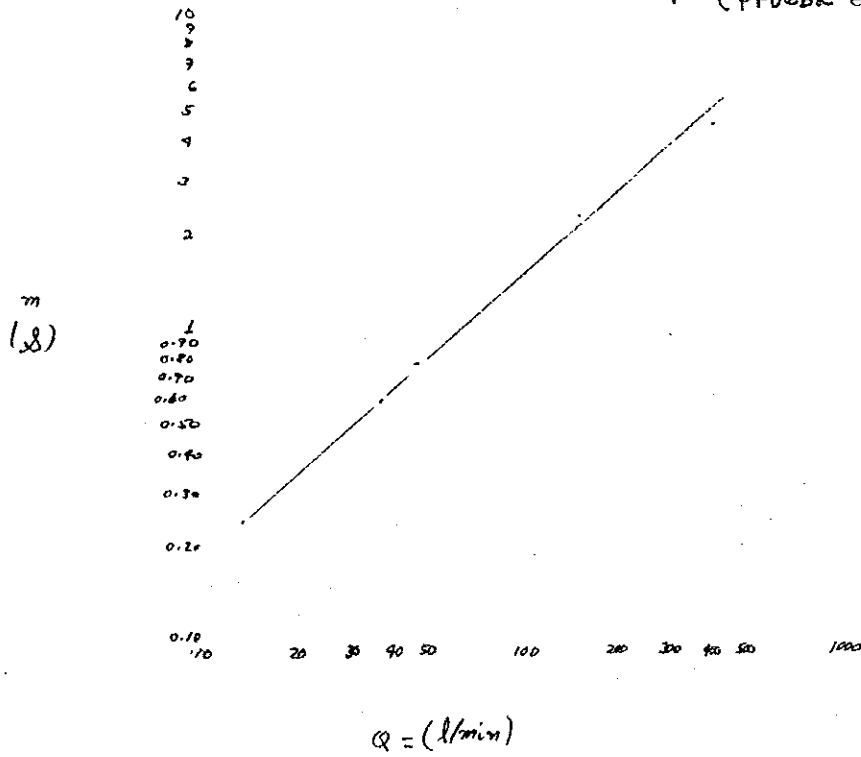
Theis Method <JC-3, Esperon>



Recovery Method (JC-3, Esperón)

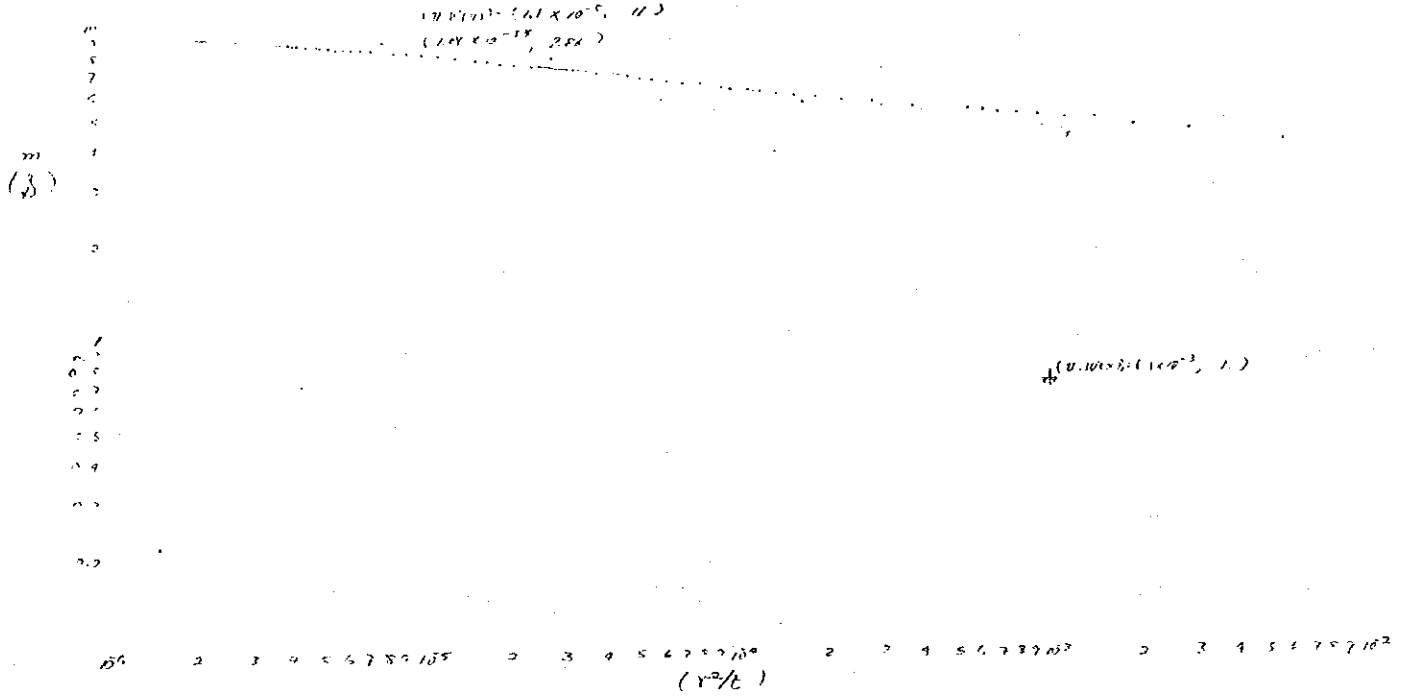


JC-11 CHACUEY (Prueba Escalonada)

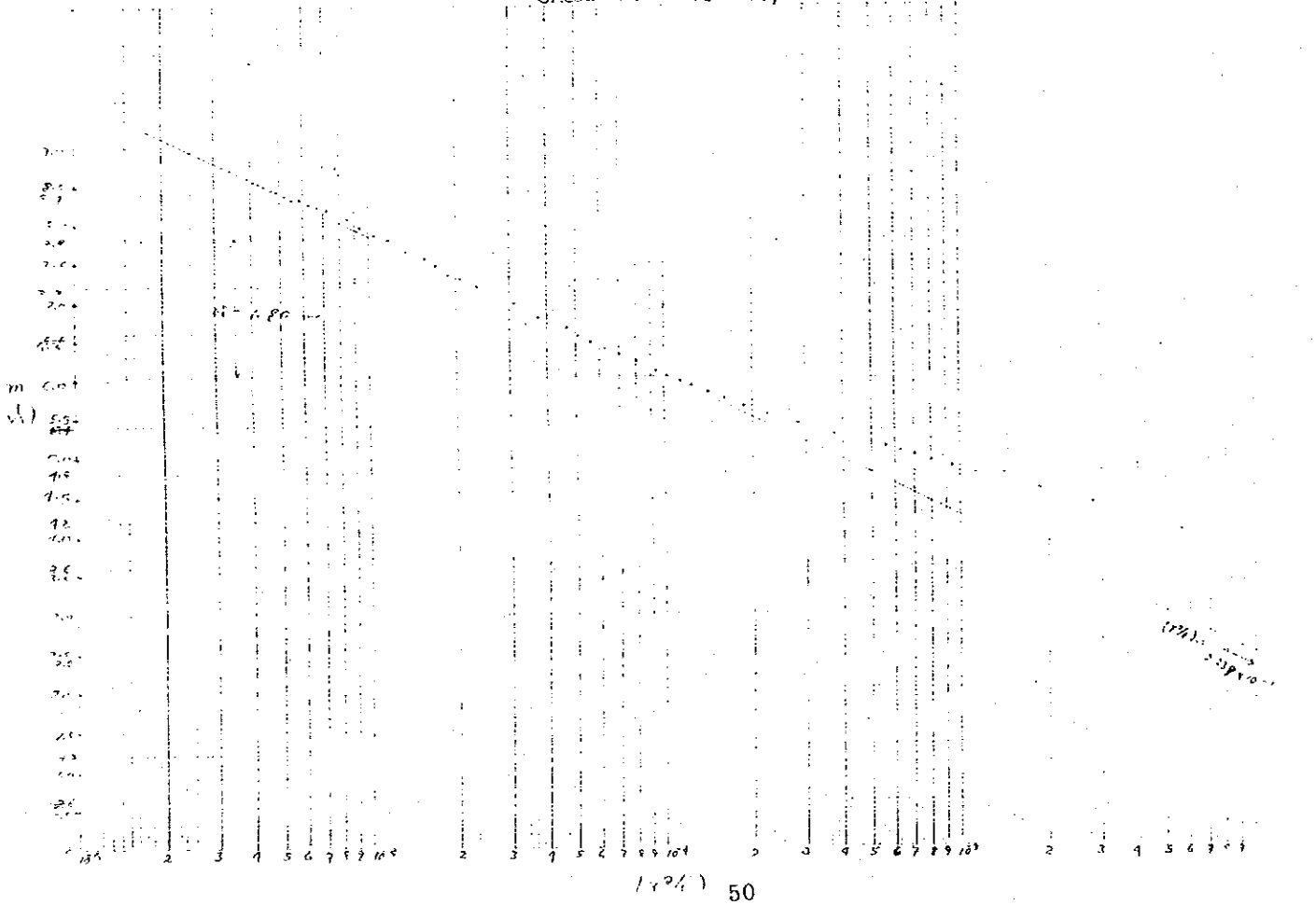


187

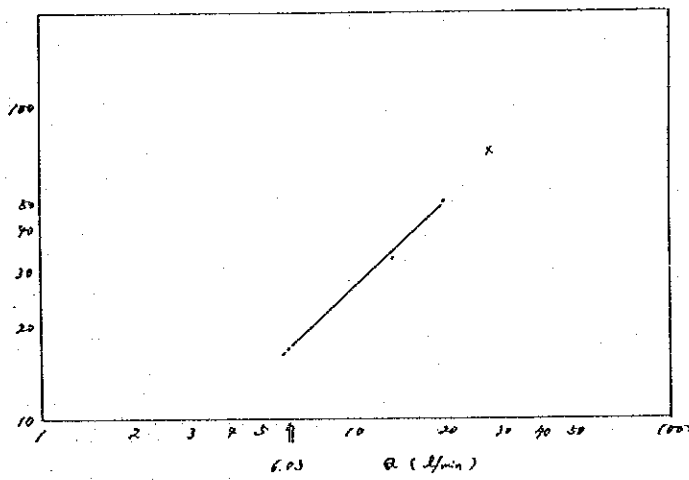
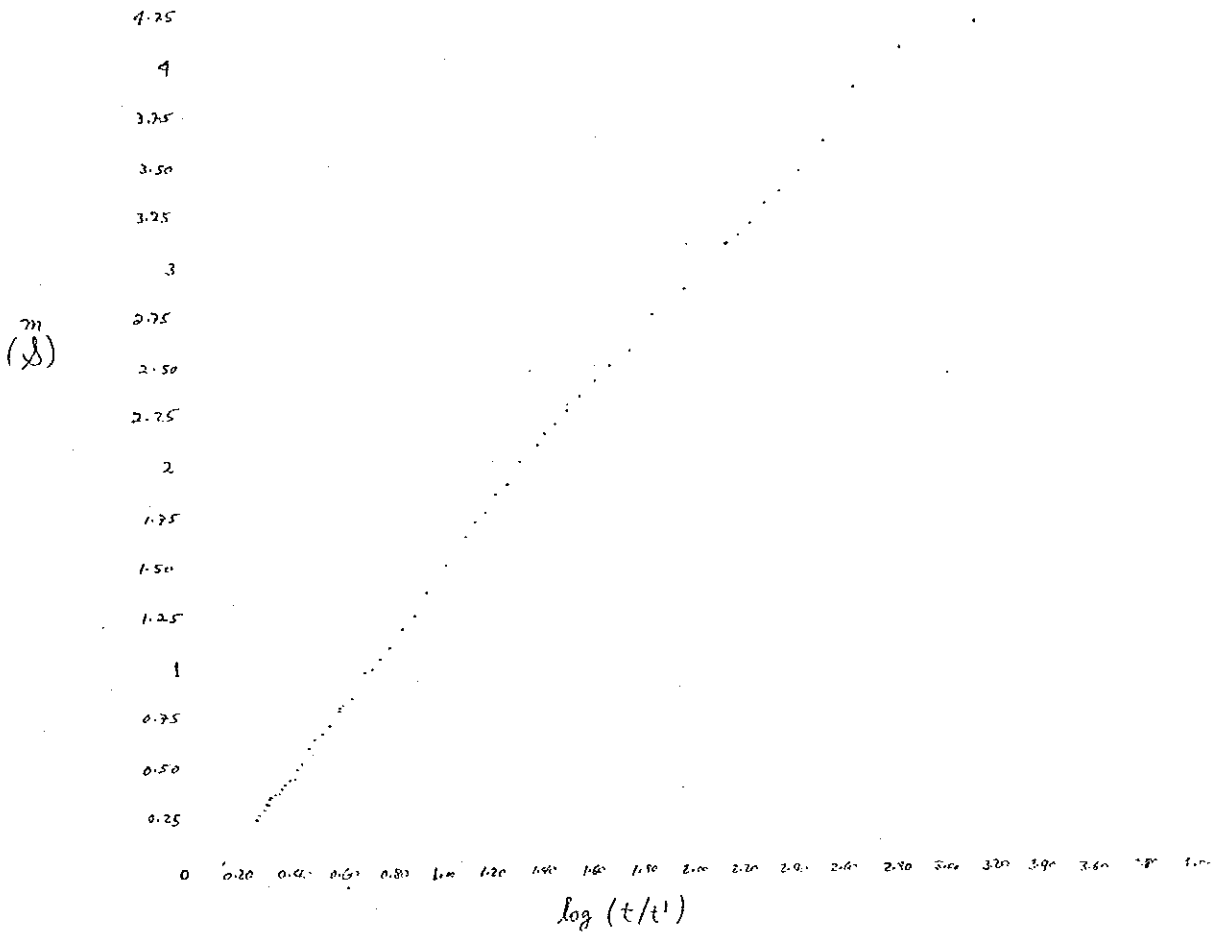
THIS METHOD < JC-11, CHACUEY >

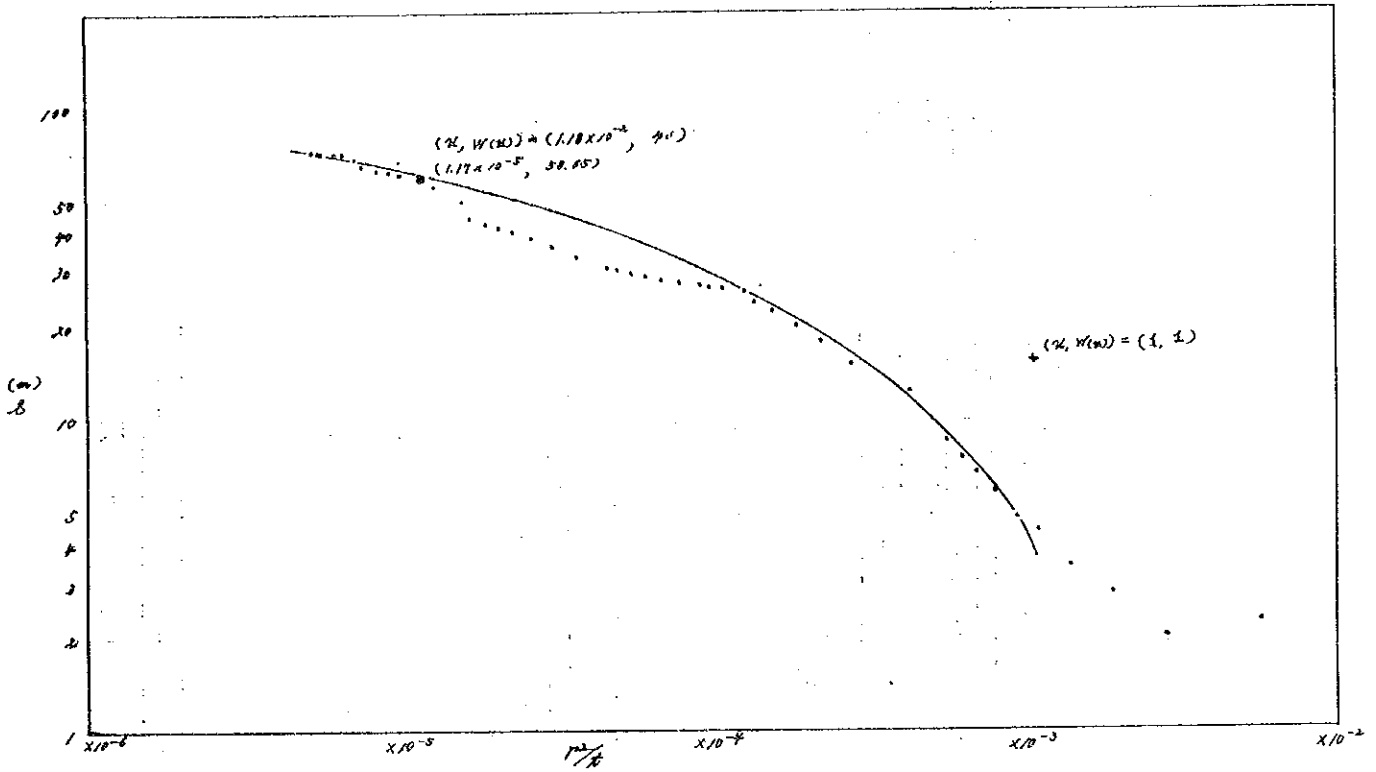


Jacob Method < JC-11, CHACUEY >



Recovery Method < JC-11, CHACUEY >

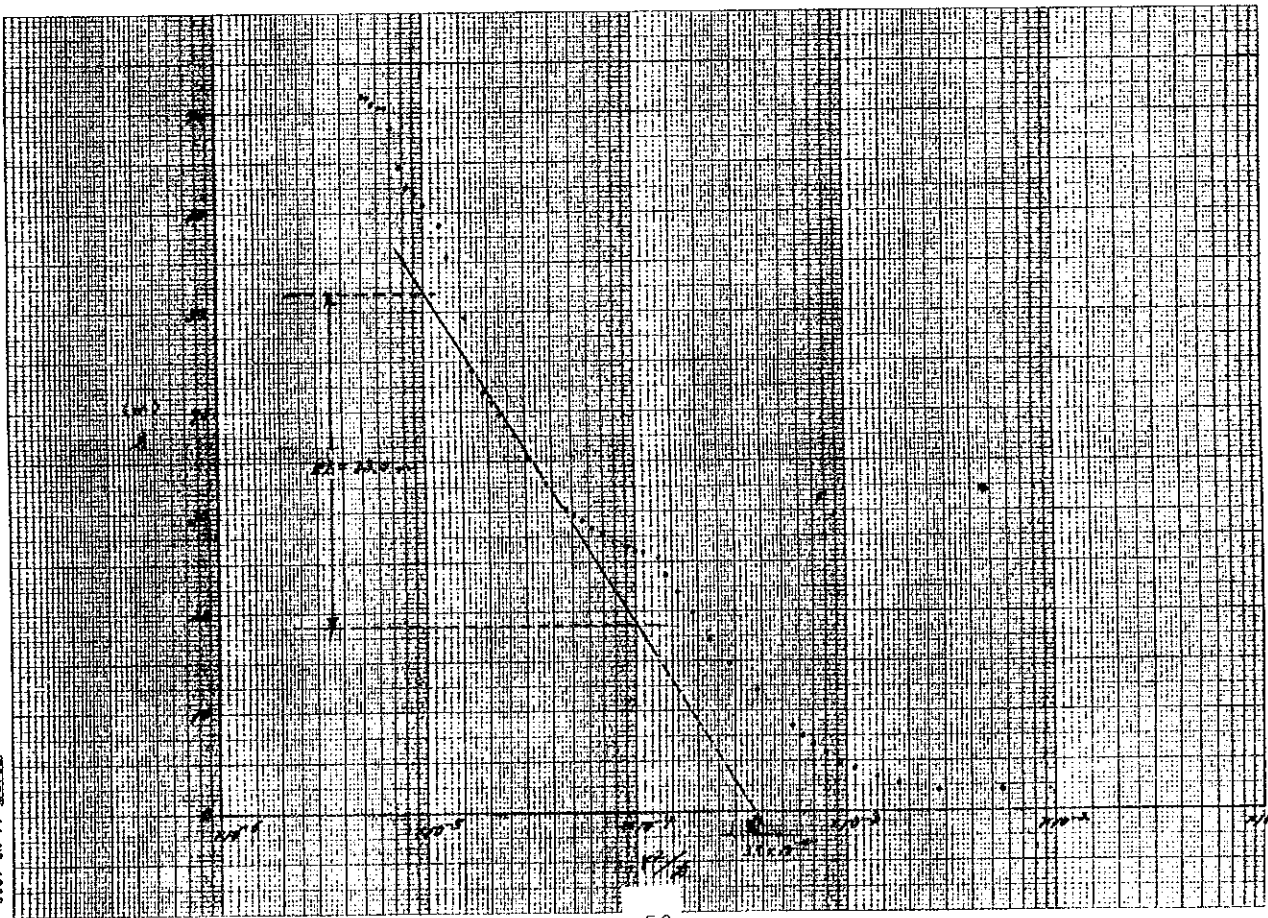




Jacob

JC-6

18 S/H-



AA NO 428C

47 2

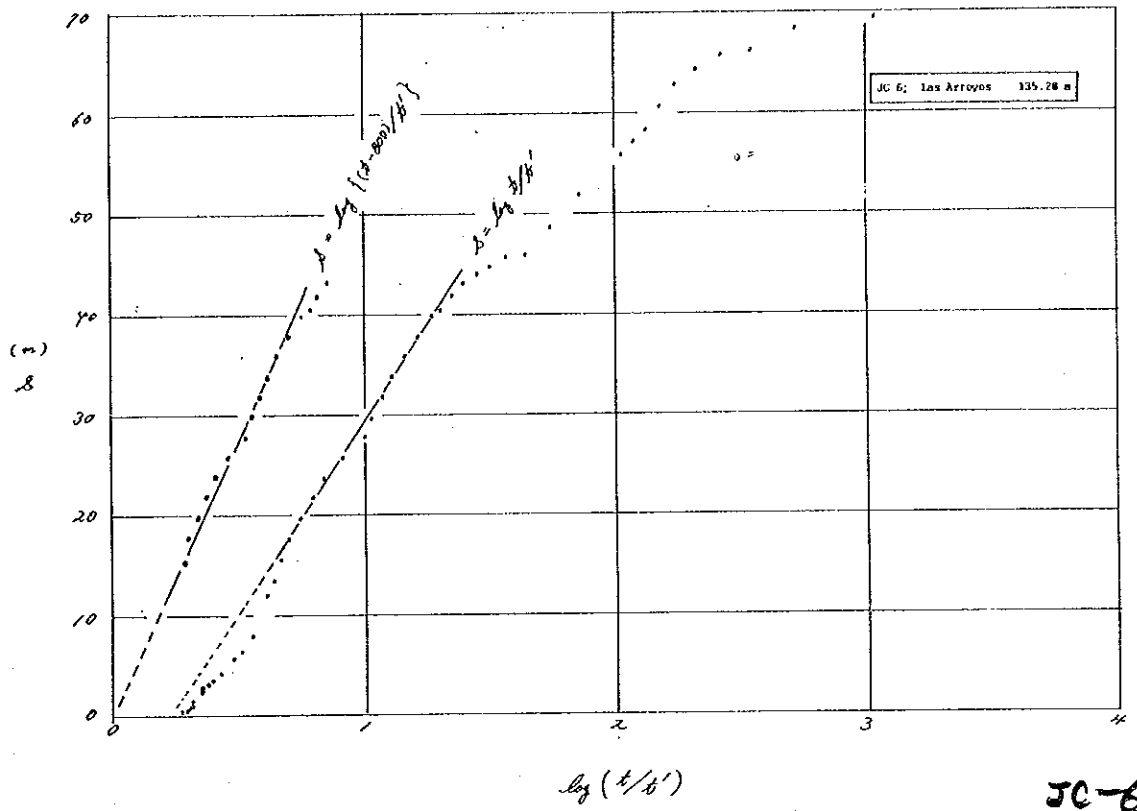
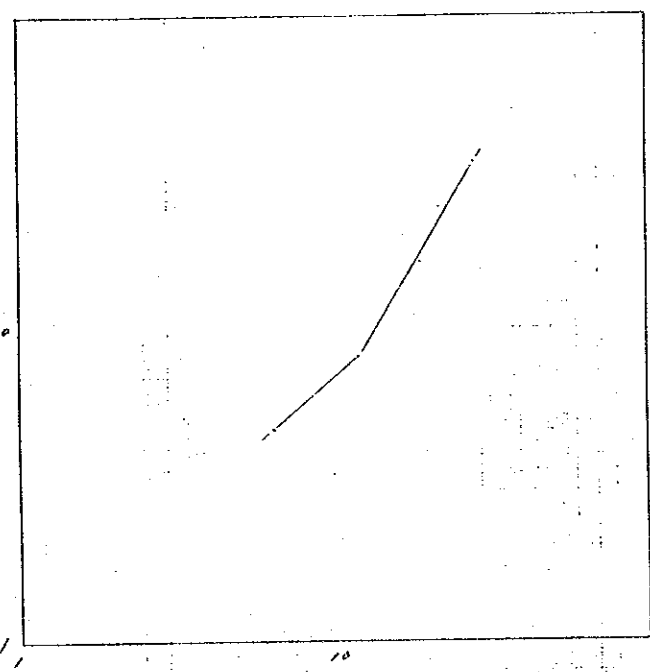


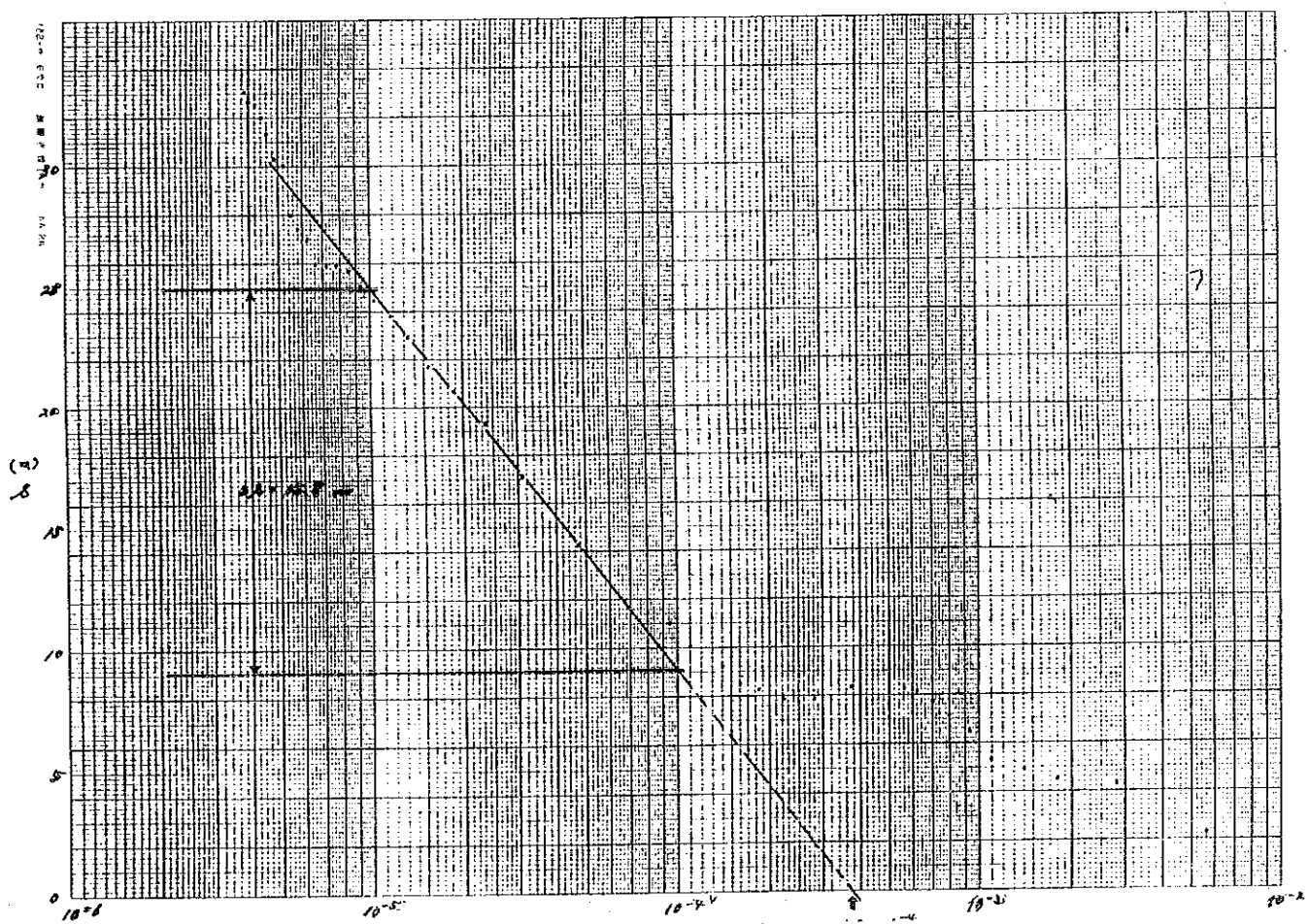
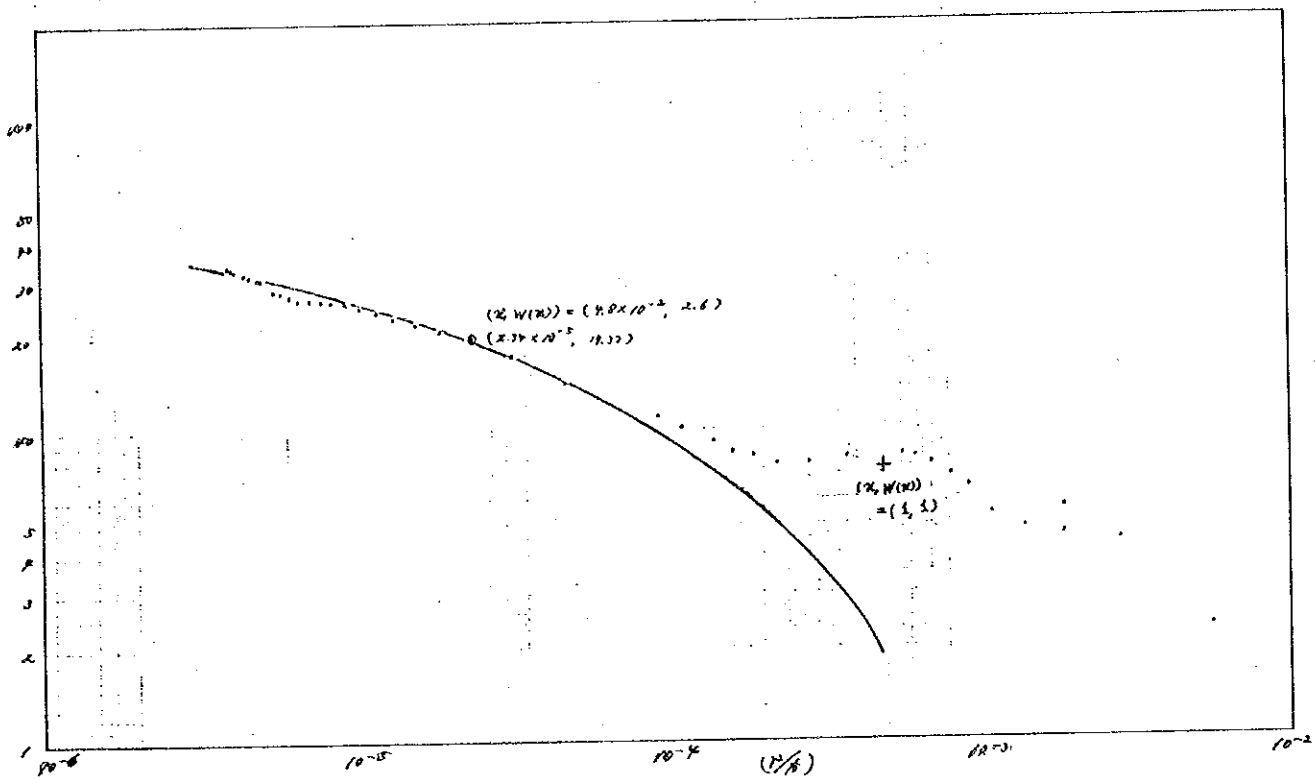
Table 00-R-6 Aquifer Test (Recovery Test), <JC- 6, Los Arroyos>

JC-6
 9

based on Table 00-R-6

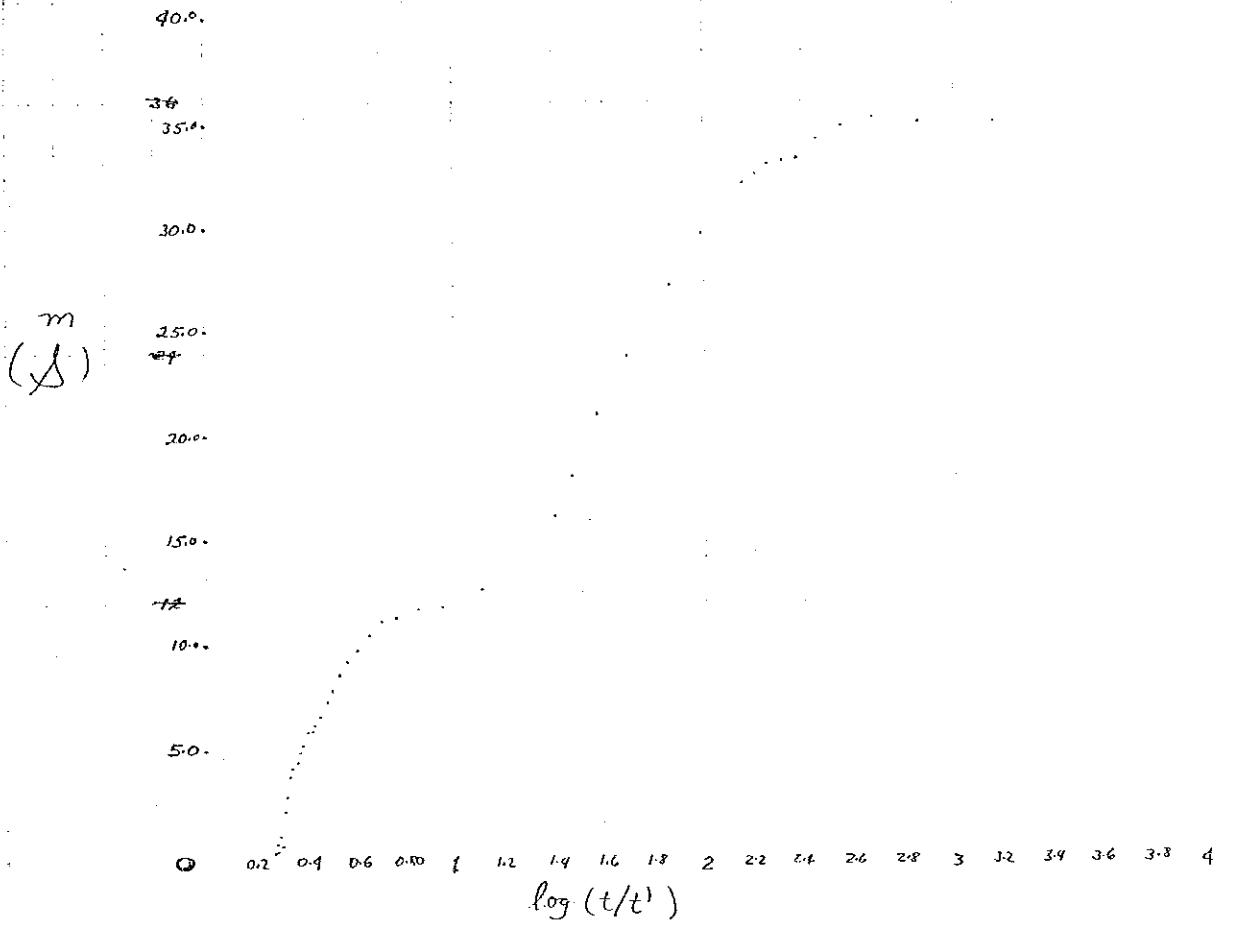


287

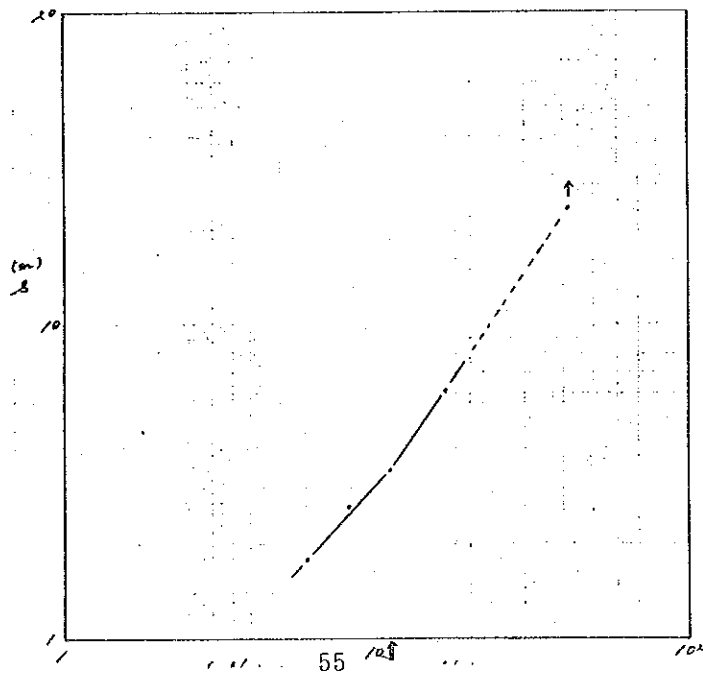


494

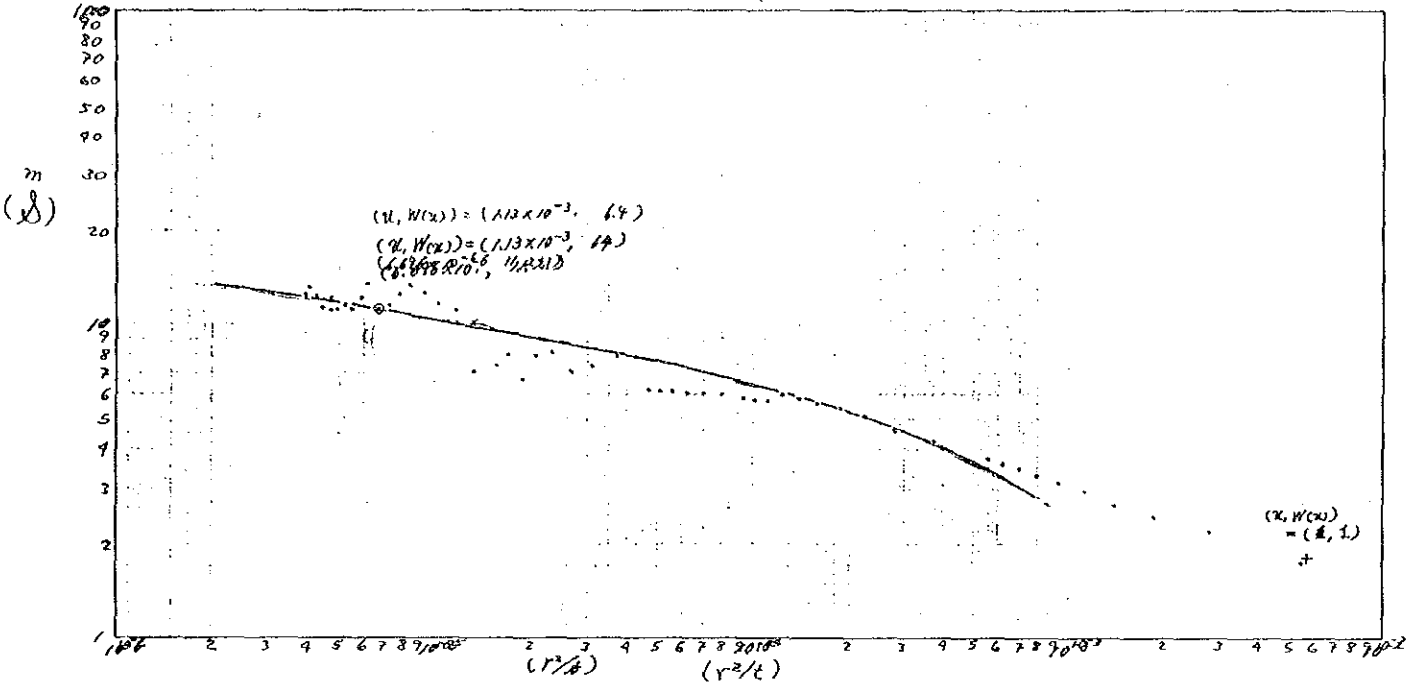
Recovery Method < PD-5, LA Gorra >



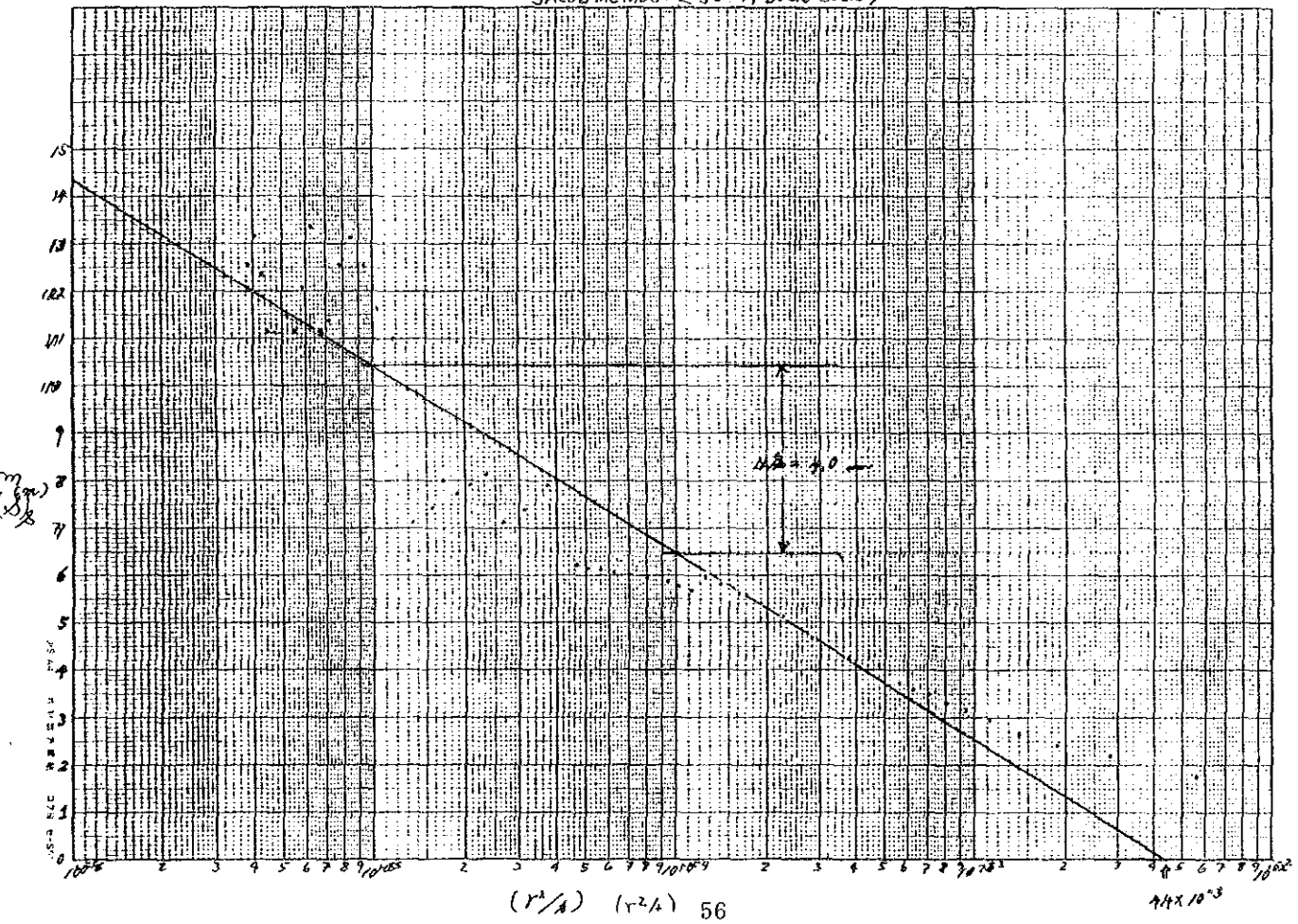
TC-9



Thris Method < JC-9, BUEN GUSTO >

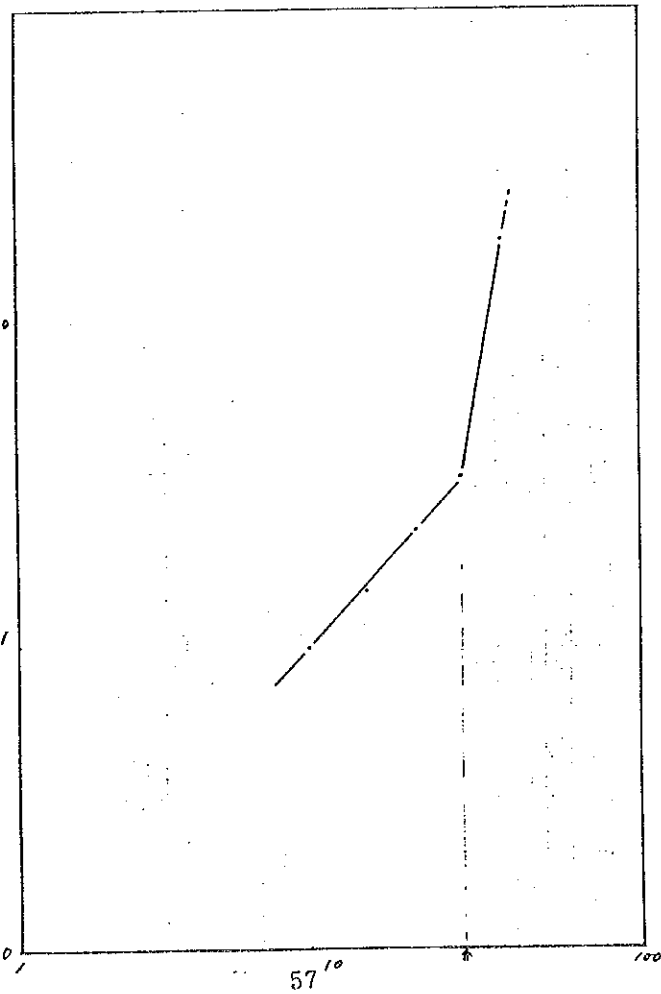
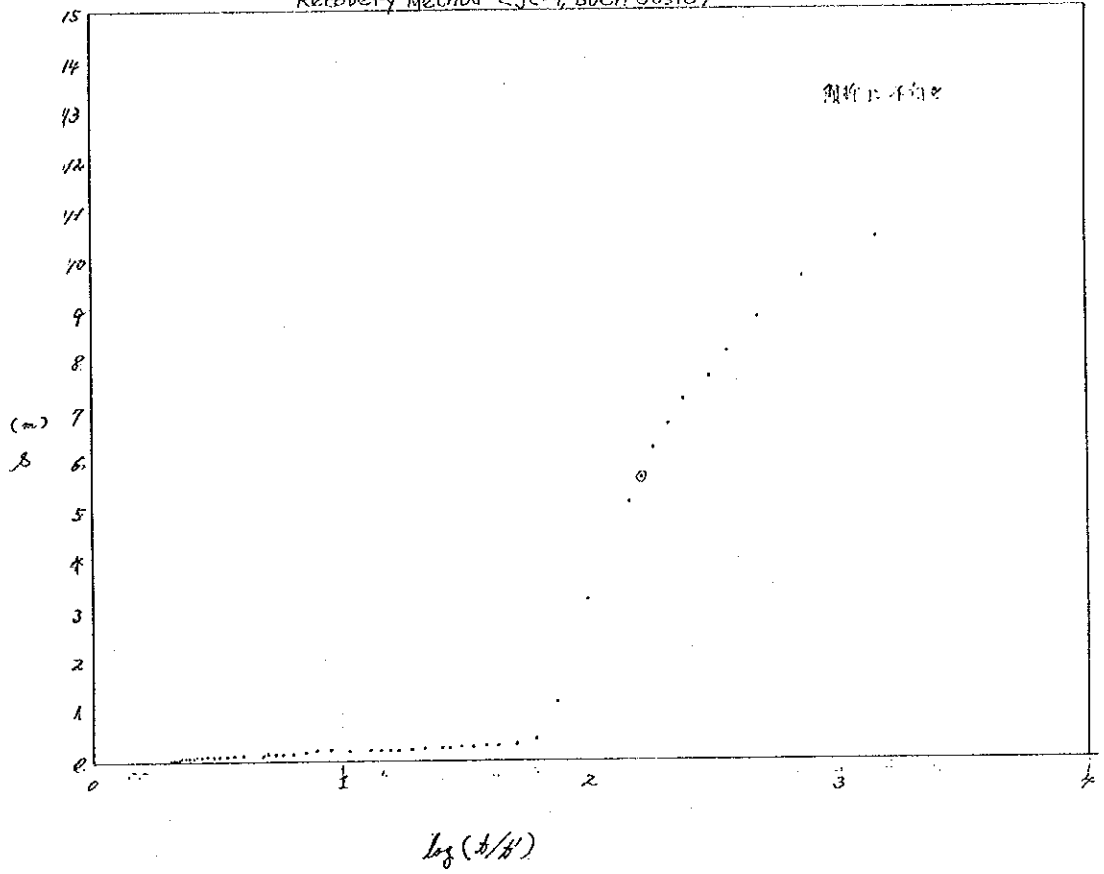


JACOB METHOD < JC-9, BUEN GUSTO >

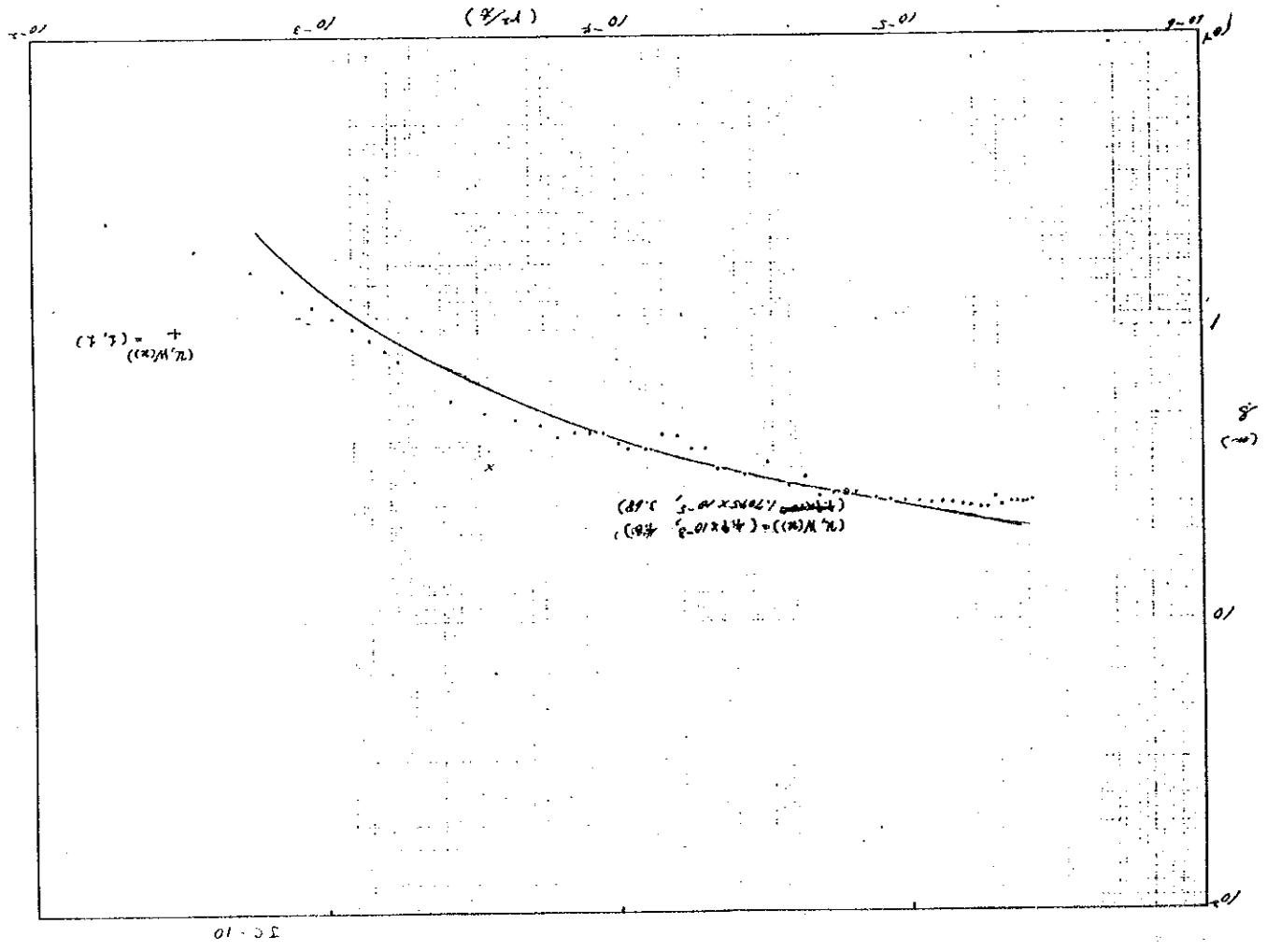
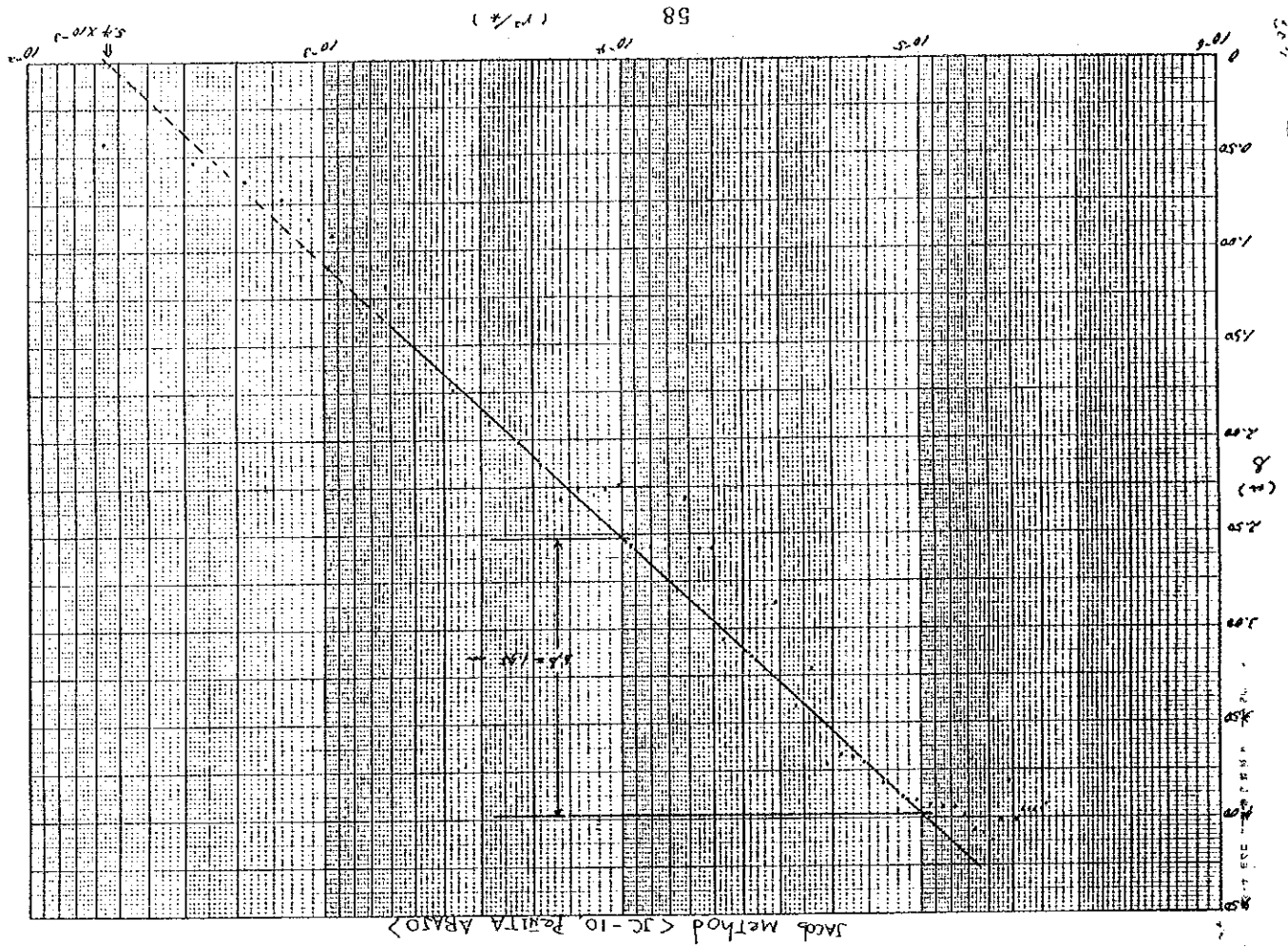


476

Recovery Method <JC-9, Buen Gusto>



497



10.5

δ (cm)

10.5

10.5

10.5

δ (cm)

10

10.5

264

Recovery Method <JC-10, LA PEÑITA ABAJO>

m
(s)

4

3

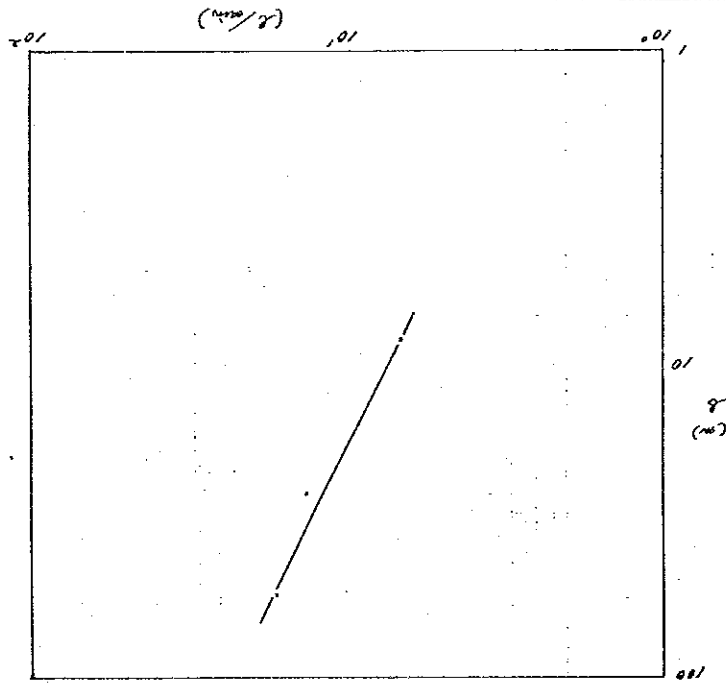
2

1

0

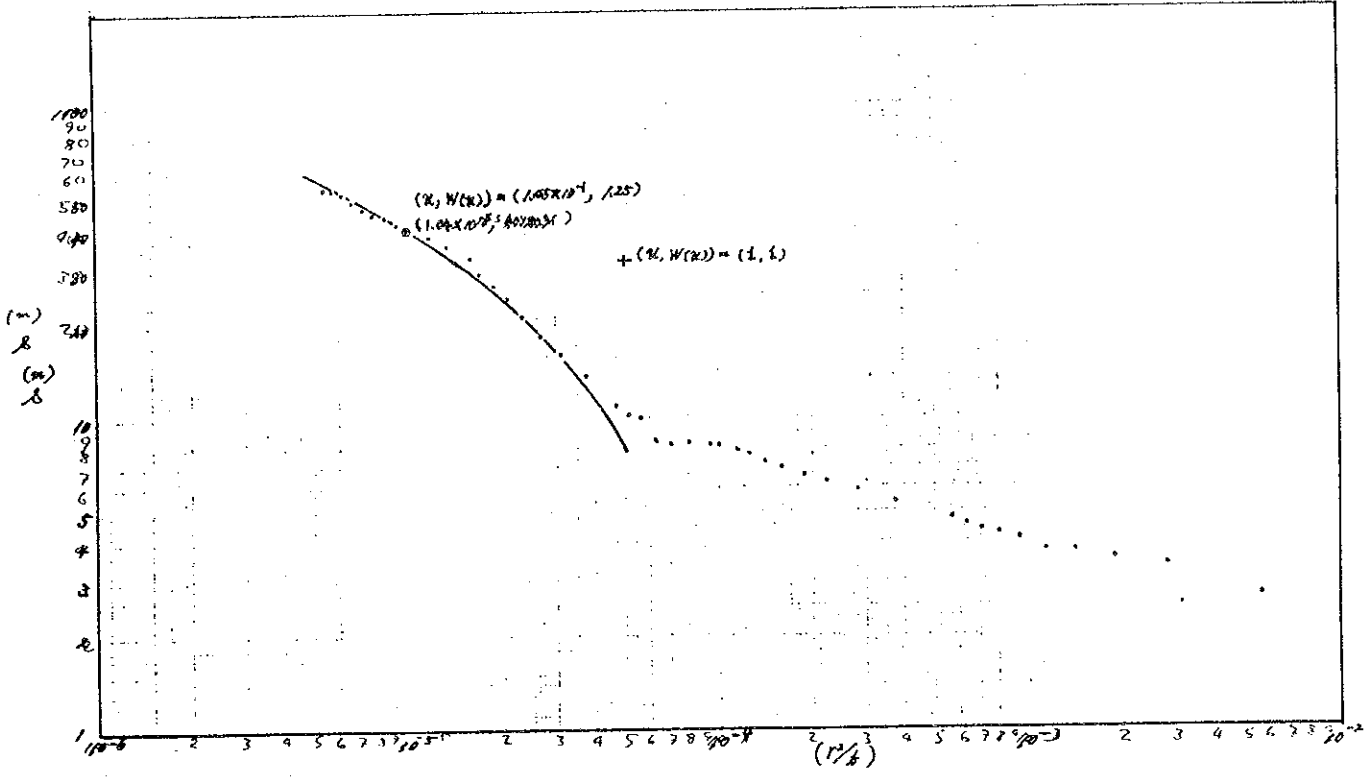
0.20 0.40 0.60 0.80 1 1.20 1.40 1.60 1.80 2 2.20 2.40 2.60 2.80 3 3.20 3.40 3.60 3.80 4

log(t/t')

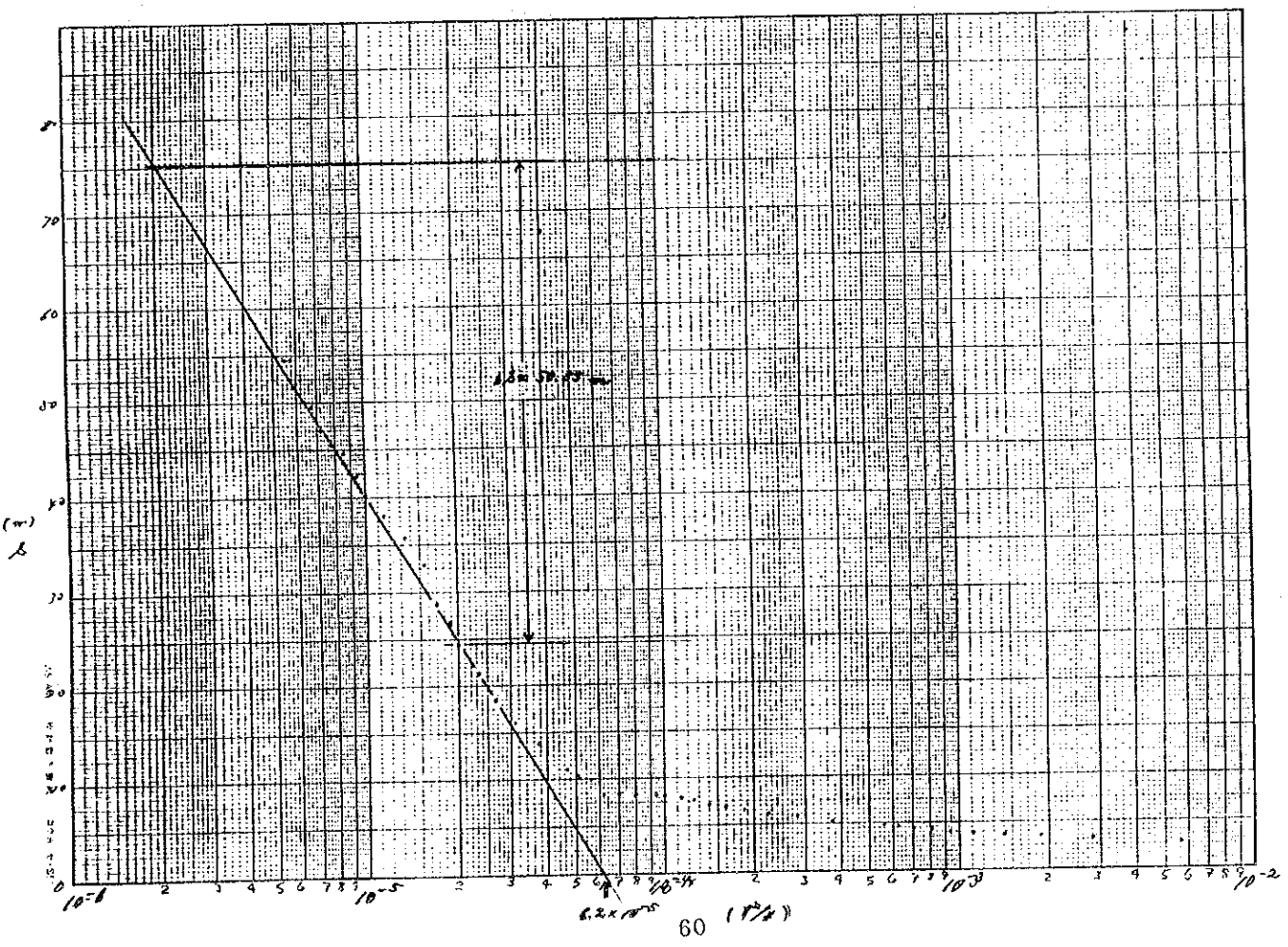


667

808



incob 30-8



Recovery Method < JC-8, LA PEÑITA Arriba >

分析结果的图

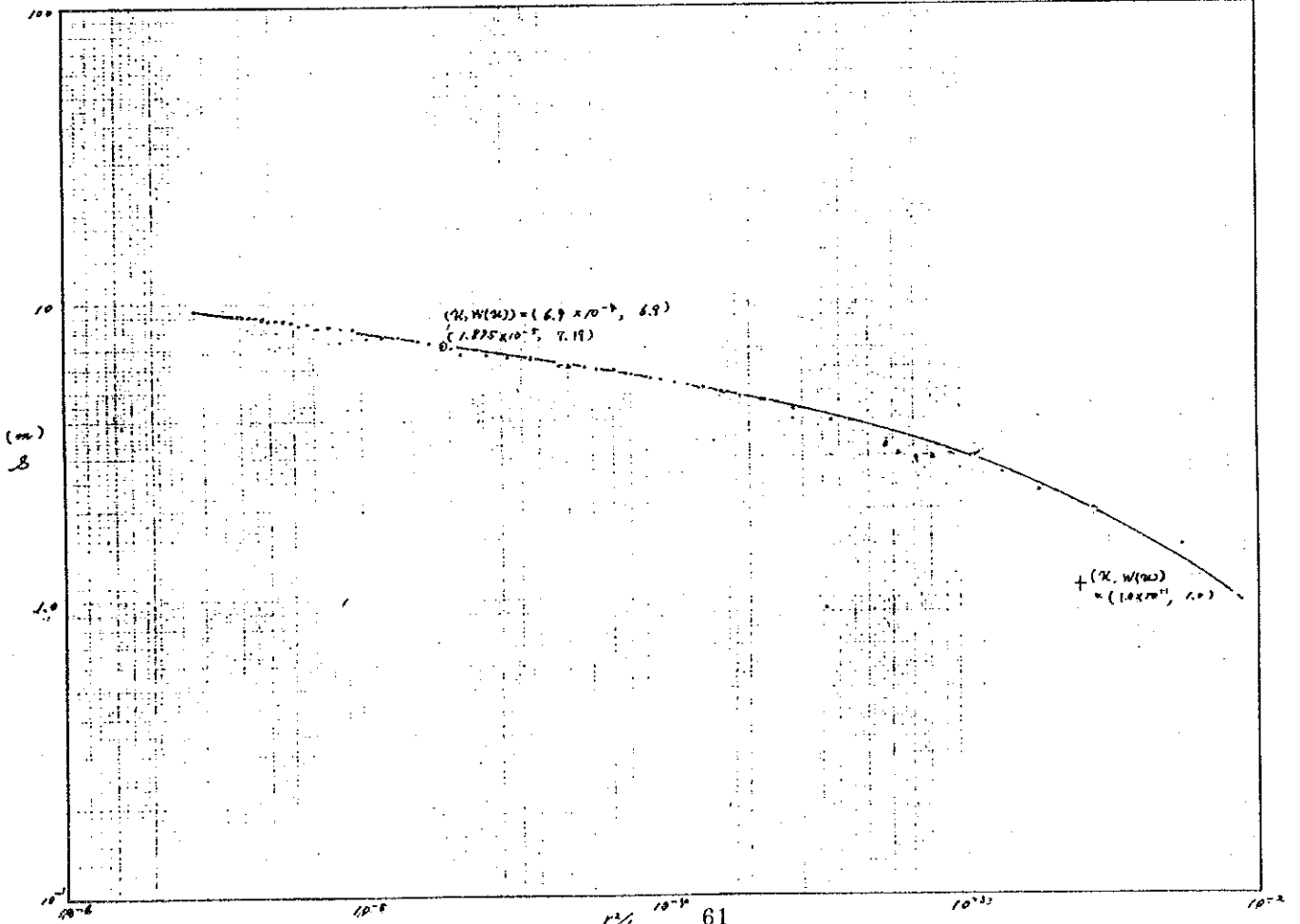
140	56
130	52
120	48
110	44
100	40
90	36
80	32
70	28
60	24
50	20
40	16
30	12
20	8
10	4

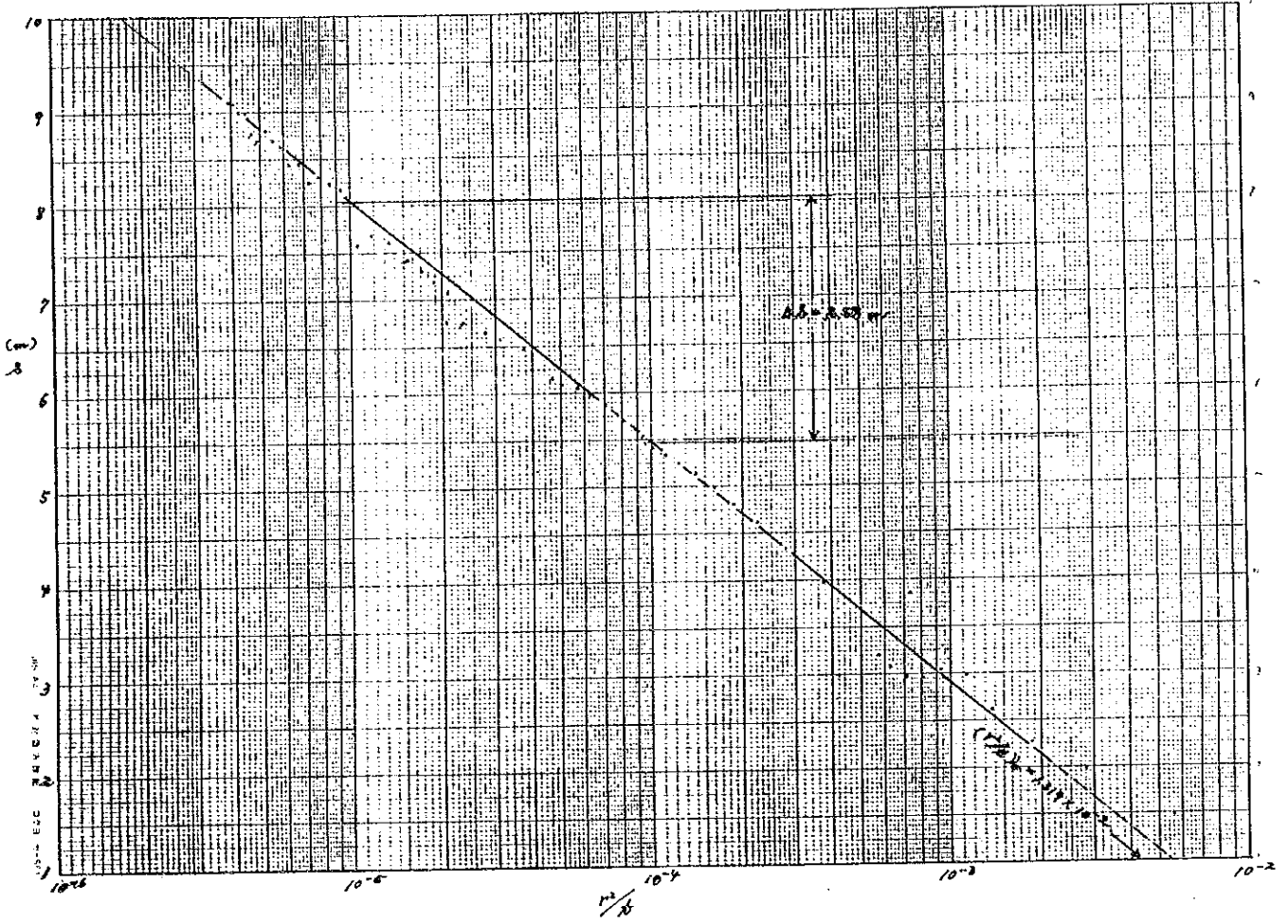
m
(δ)

0 0.20 0.40 0.60 0.80 1 1.20 1.40 1.60 1.80 2 2.20 2.40 2.60 2.80 3 3.20 3.40 3.60 3.80 4
 $\log(t/t')$

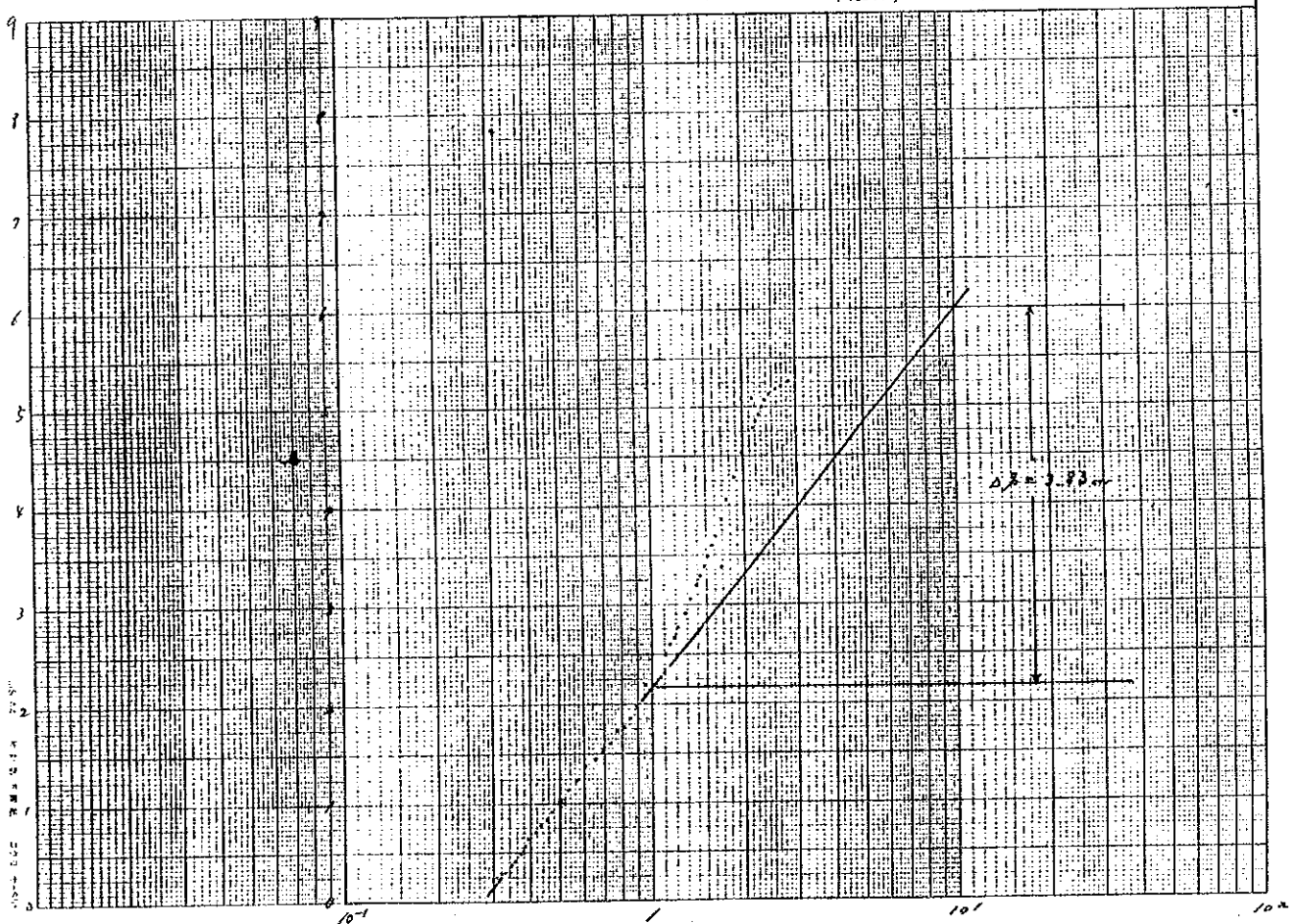
$(1.17 \times 10^{-5}, 23.90)$

Thiers < PD-6, Course de Marianne Casteron >





Recovery < PD-6 (avec de Mariann section)



102

15

No. 19 Mamonsito

Theis-type curve

$$mp_1; T = \frac{Q}{4\pi S} w(u)$$

$$= \frac{8.28 \times 10^{-3} \times 1.8}{4\pi \times 29.5} = 4.24 \times 10^{-5} \text{ m}^2/\text{min}$$

$$S = \frac{4Tt \cdot u}{r^2}$$

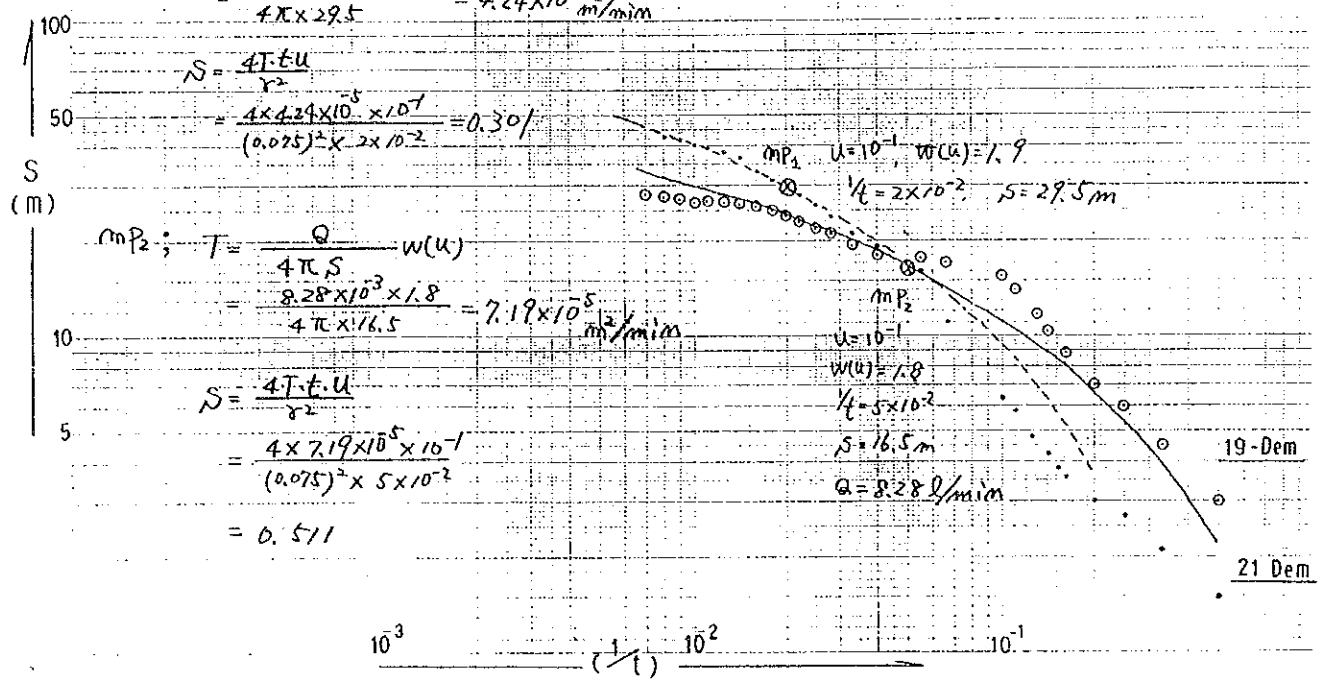
$$= \frac{4 \times 4.24 \times 10^{-5} \times 10^7}{(0.025)^2 \times 2 \times 10^{-2}} = 0.30\%$$

$$mp_2; T = \frac{Q}{4\pi S} w(u)$$

$$= \frac{8.28 \times 10^{-3} \times 1.8}{4\pi \times 16.5} = 7.19 \times 10^{-5} \text{ m}^2/\text{min}$$

$$S = \frac{4Tt \cdot u}{r^2}$$

$$= \frac{4 \times 7.19 \times 10^{-5} \times 10^{-1}}{(0.075)^2 \times 5 \times 10^{-2}} = 0.511$$



16

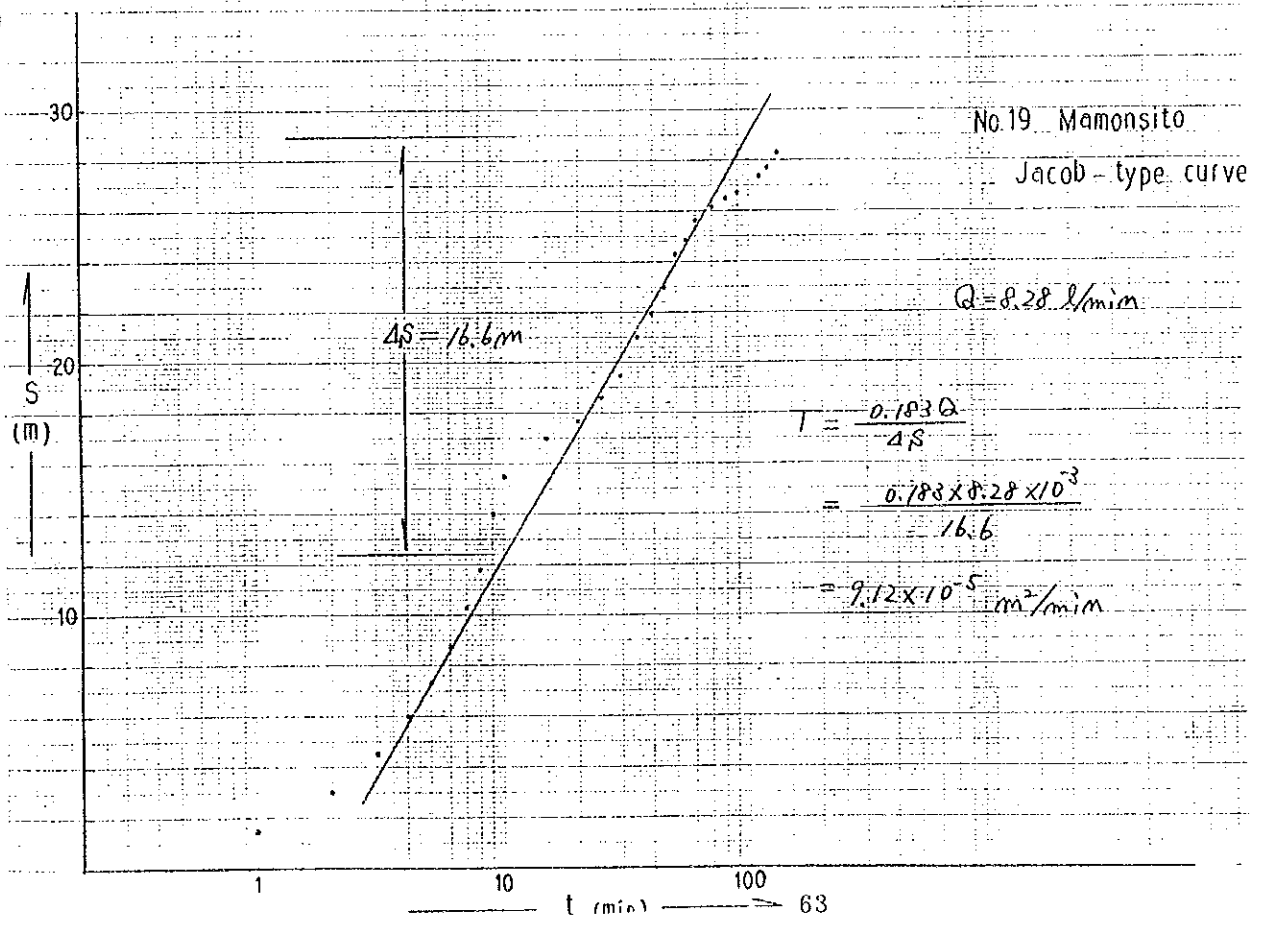
No. 19 Mamonsito

Jacob-type curve

Q = 8.28 l/min

$$T = \frac{0.183 Q}{4S}$$

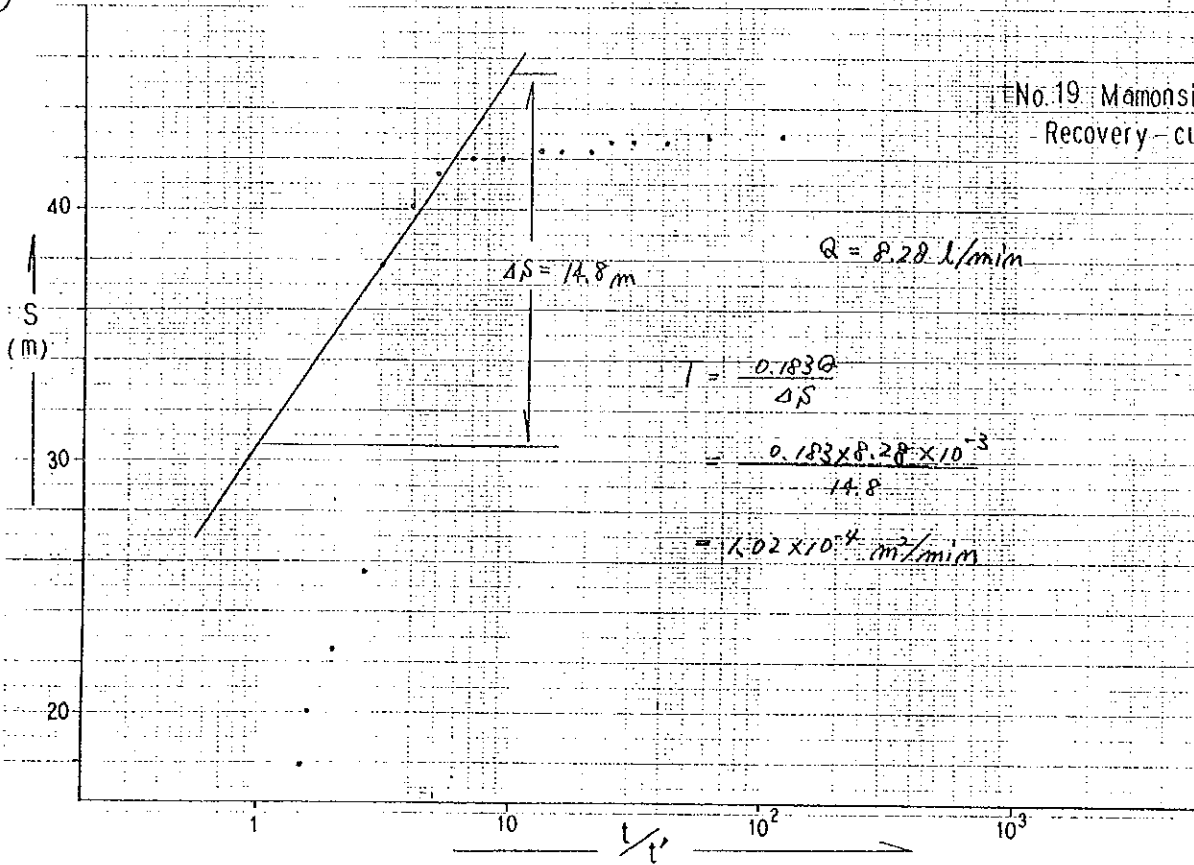
$$= \frac{0.183 \times 8.28 \times 10^{-3}}{16.6} = 9.12 \times 10^{-5} \text{ m}^2/\text{min}$$



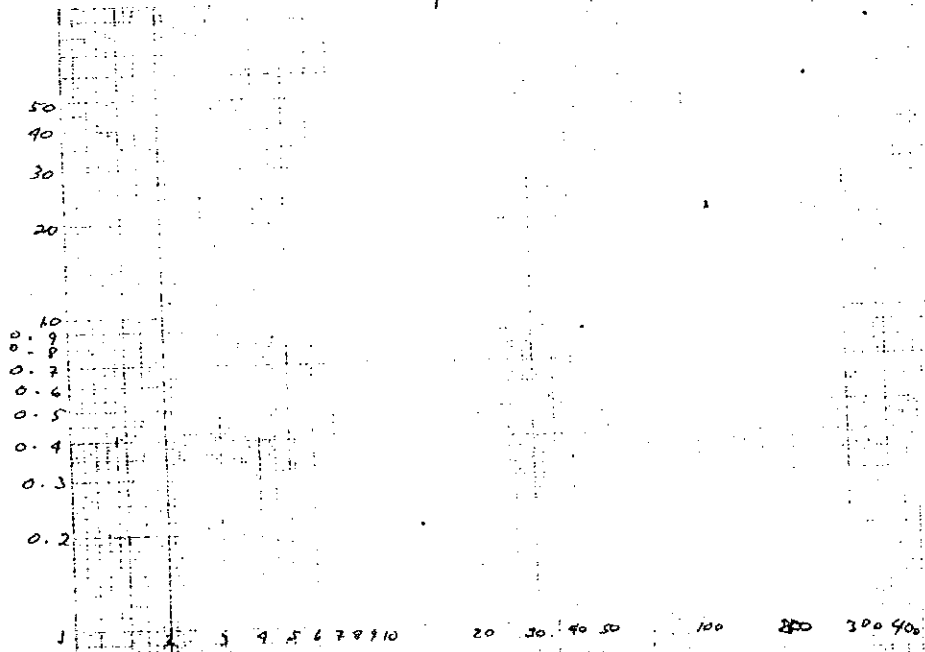
503

14

No. 19 Mamonsito
Recovery-curve

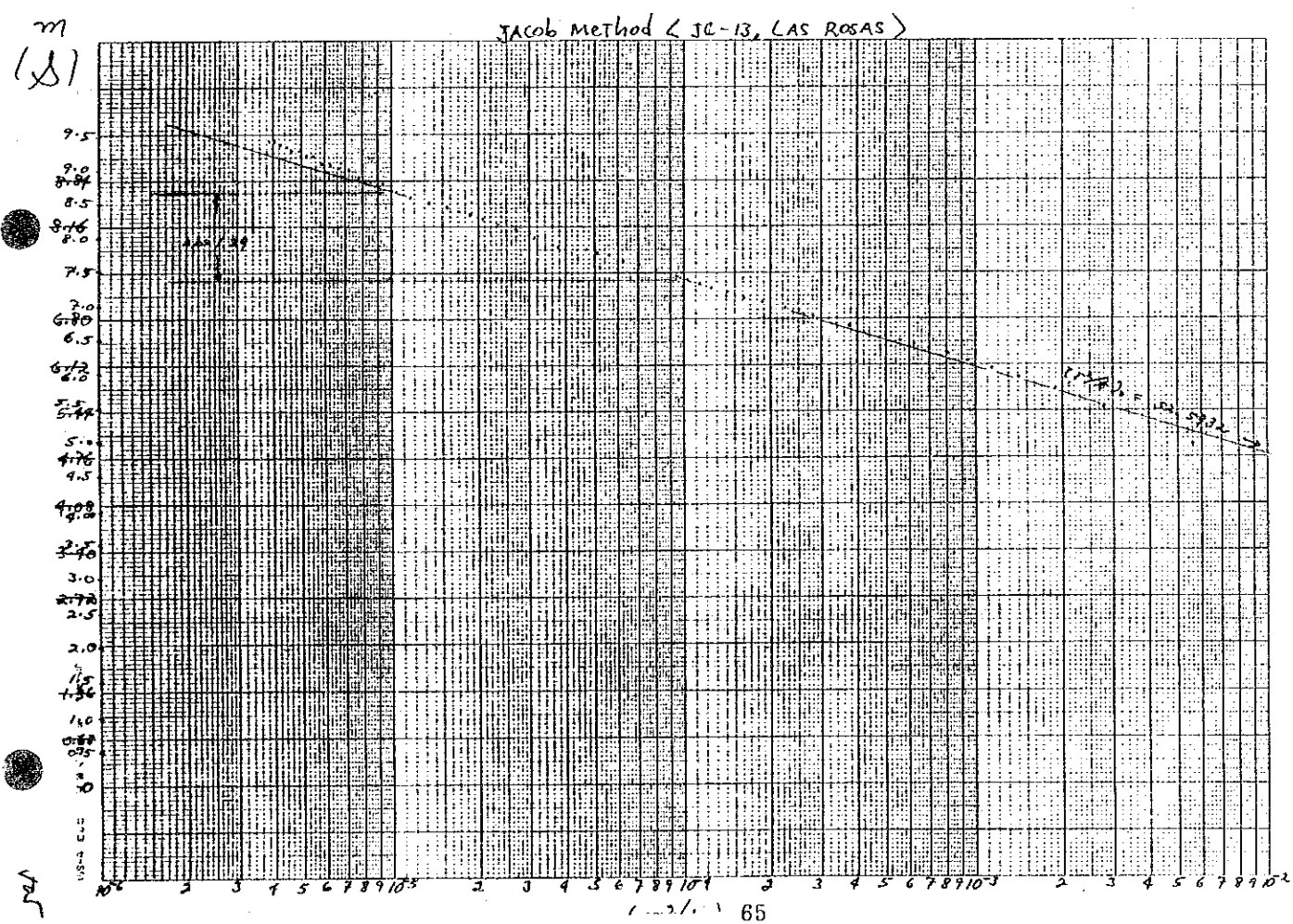
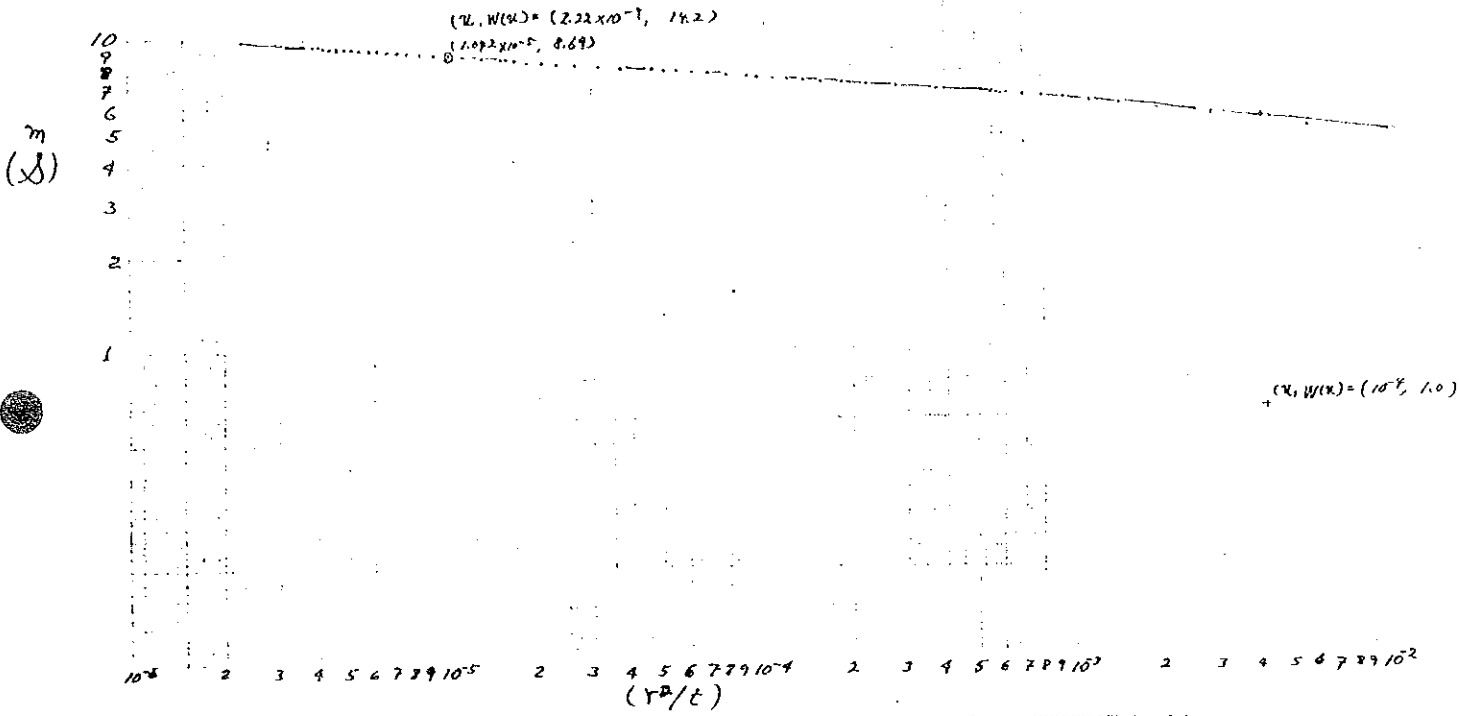


Prueba Escalonada (LAS ROSAS)

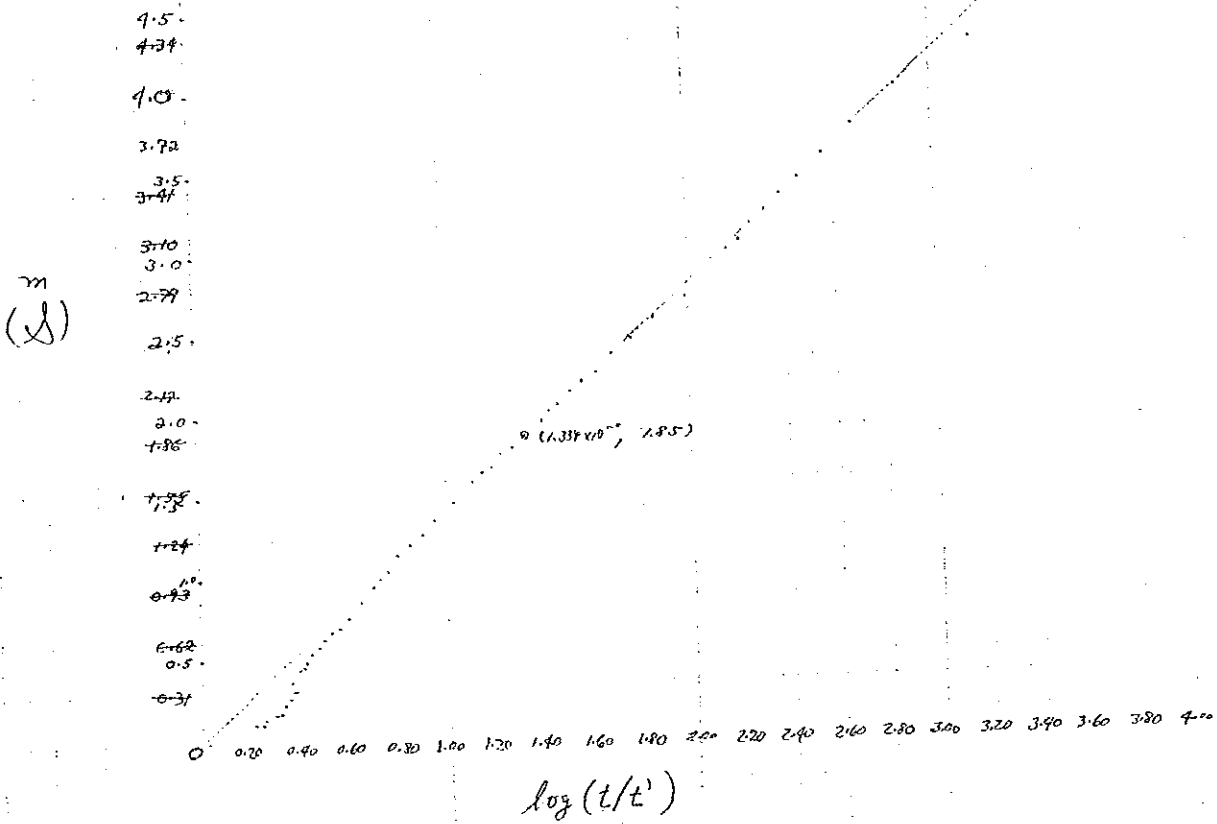


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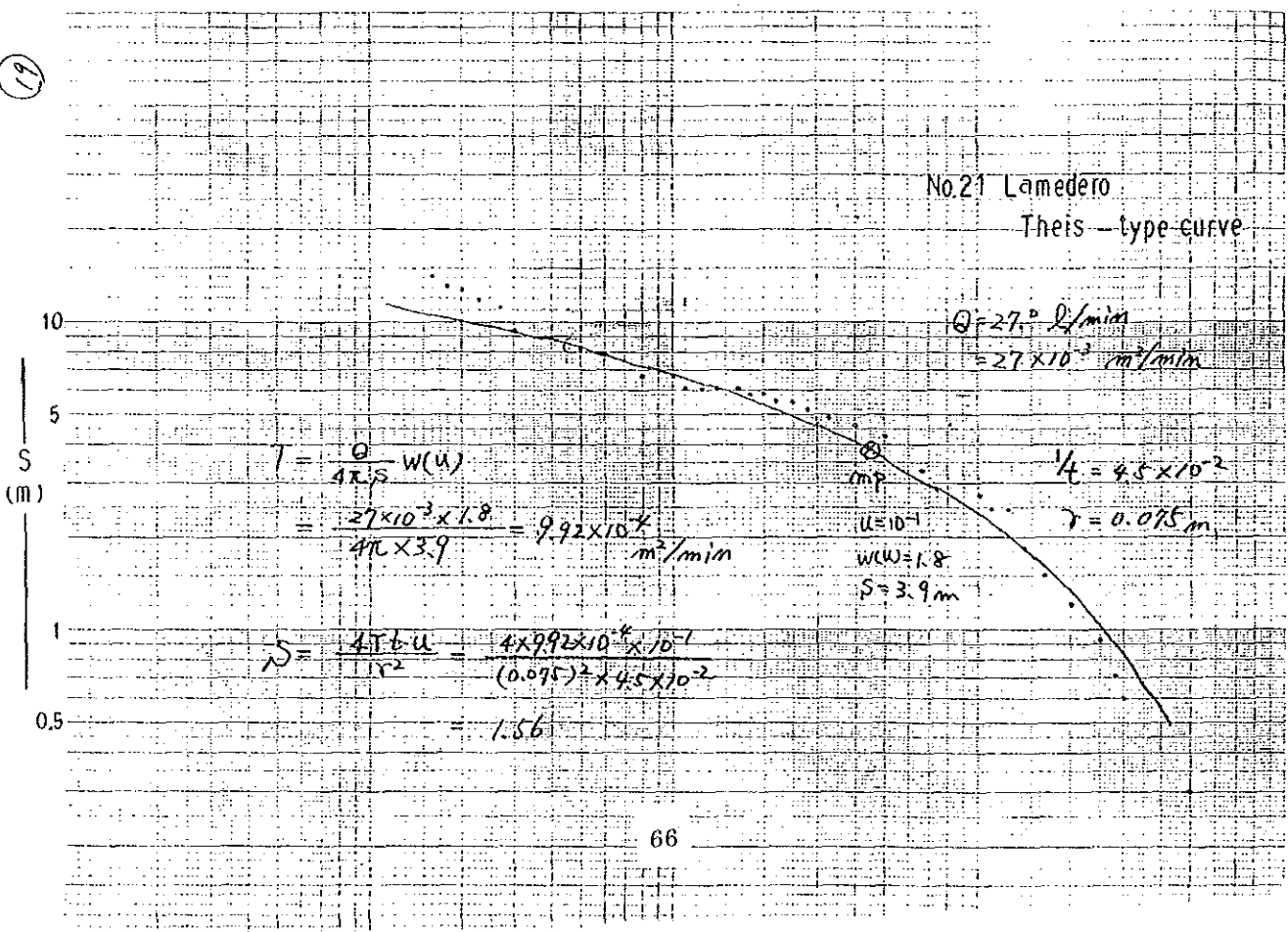
THIS Method (JC-13, LAS ROSAS)



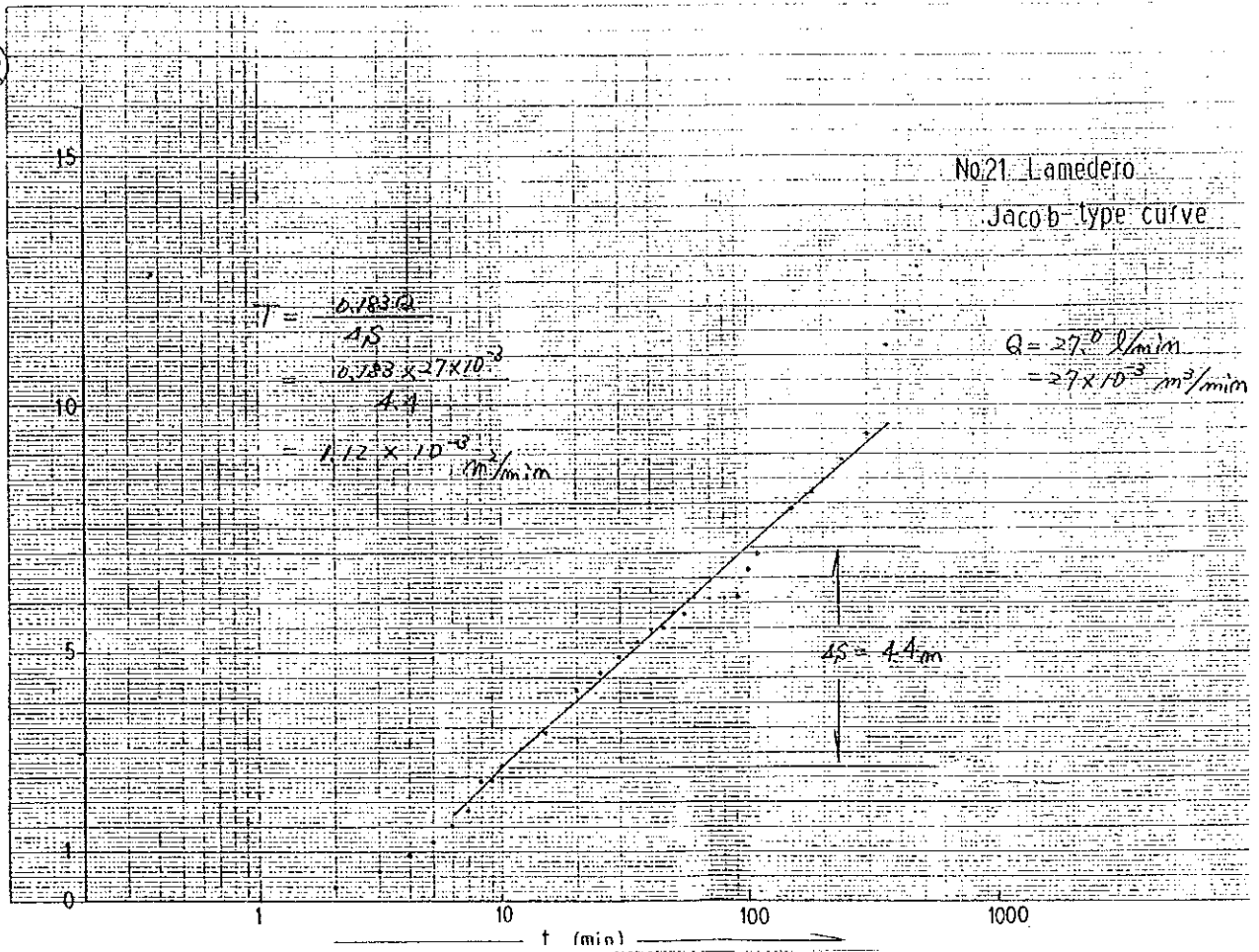
Recovery Method < JC-13, LAS ROSAS >



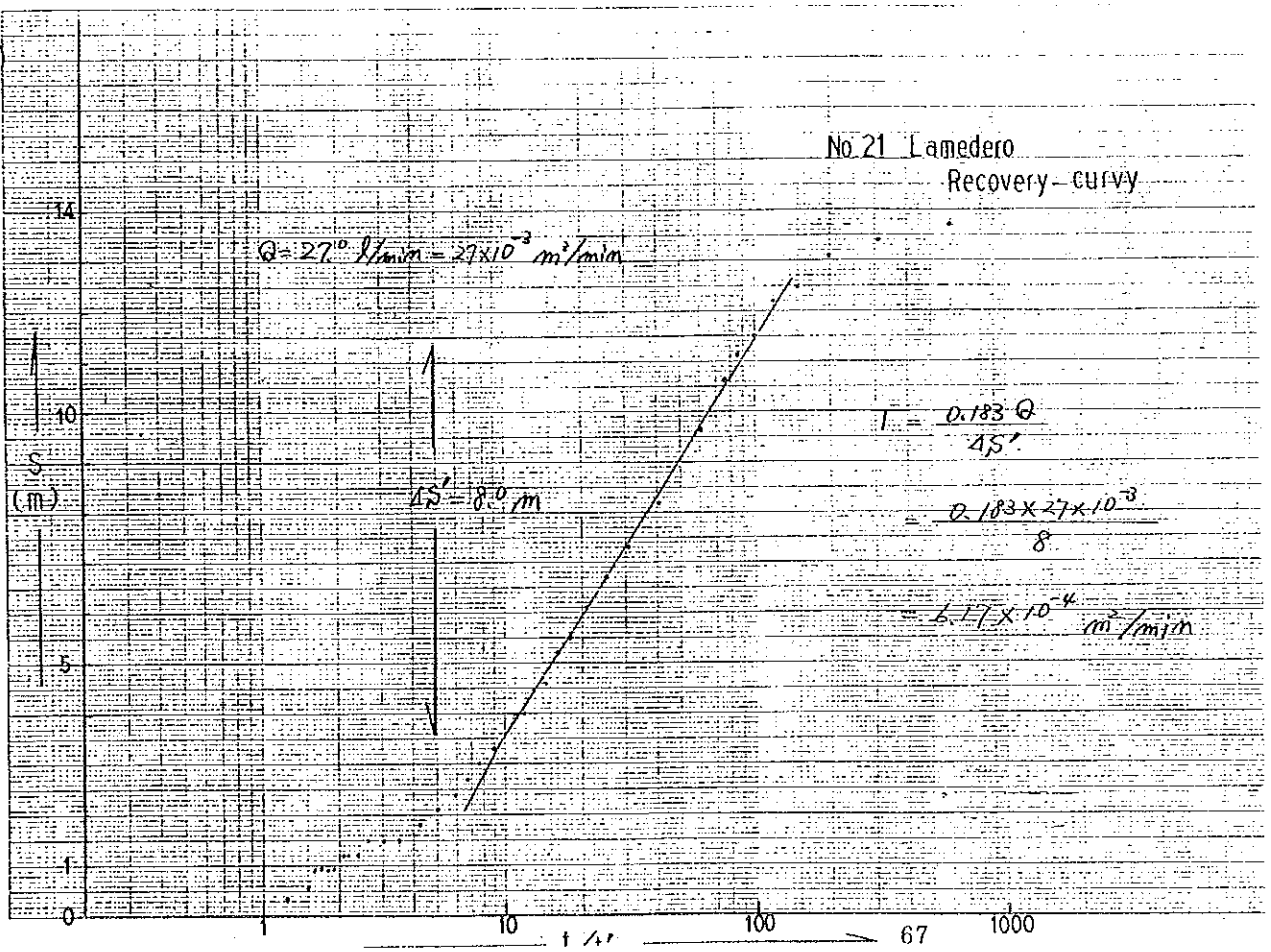
(19)



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19

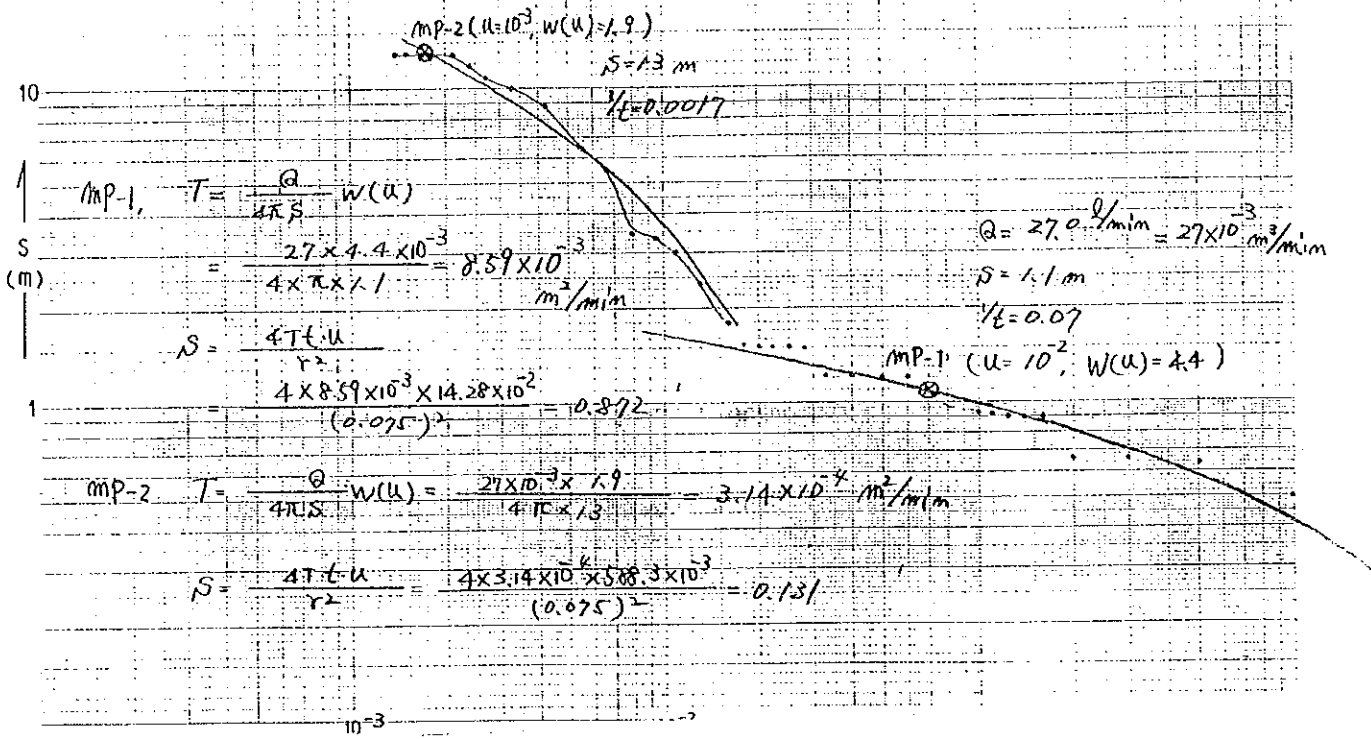


6.5

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Theis-type curve

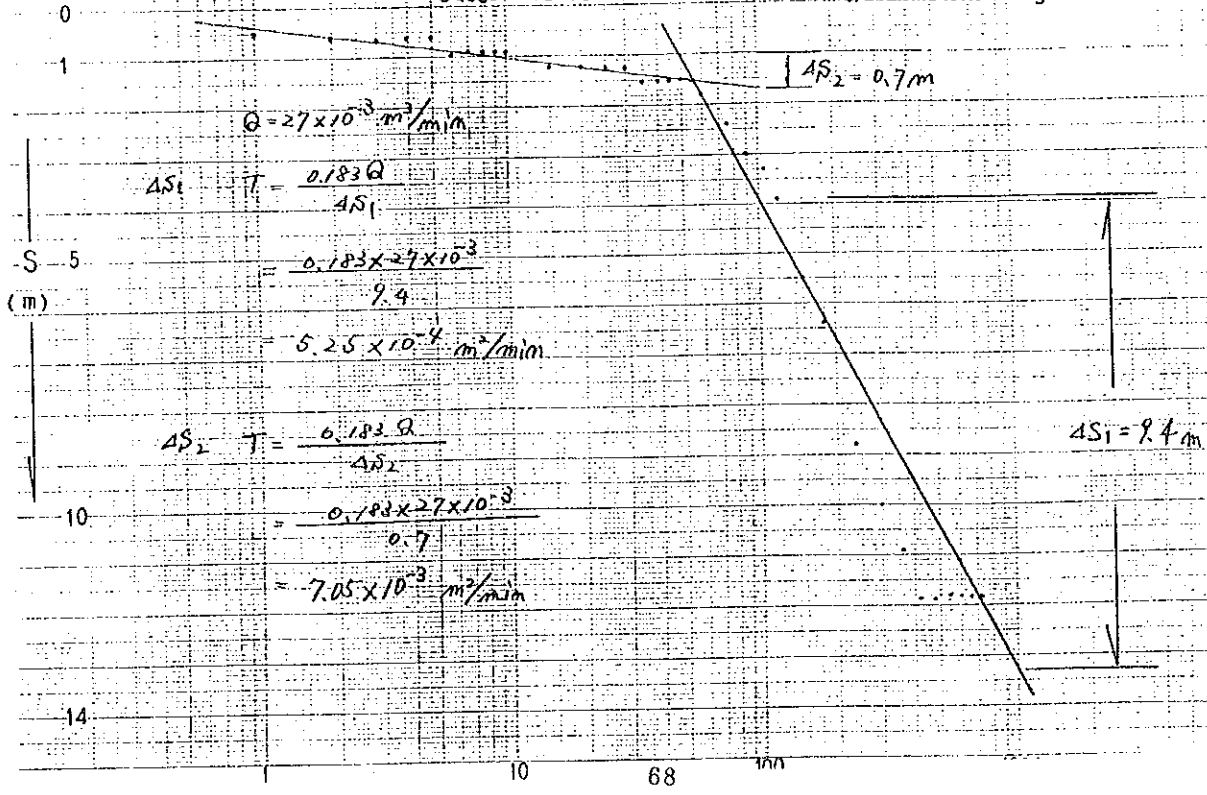
No. 24 Asiento migail



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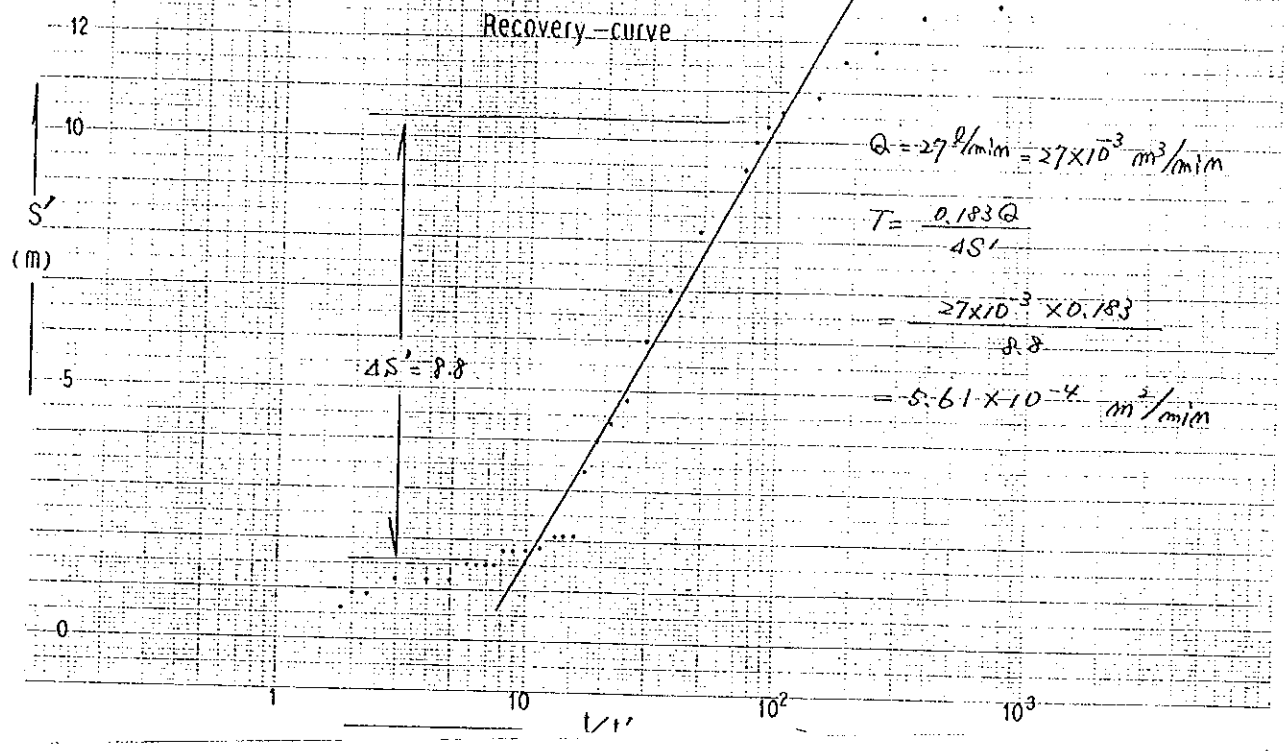
Jacob-curve

No. 24 Asiento migail

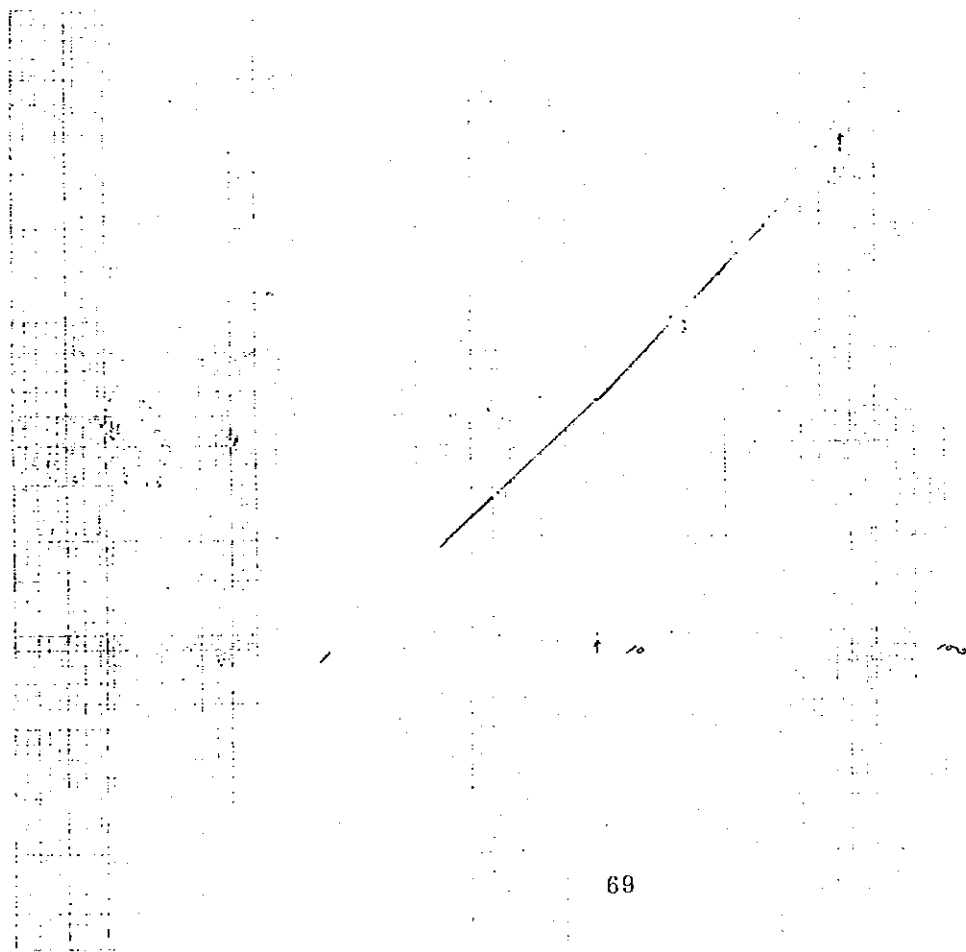


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No. 24 Asiento migail

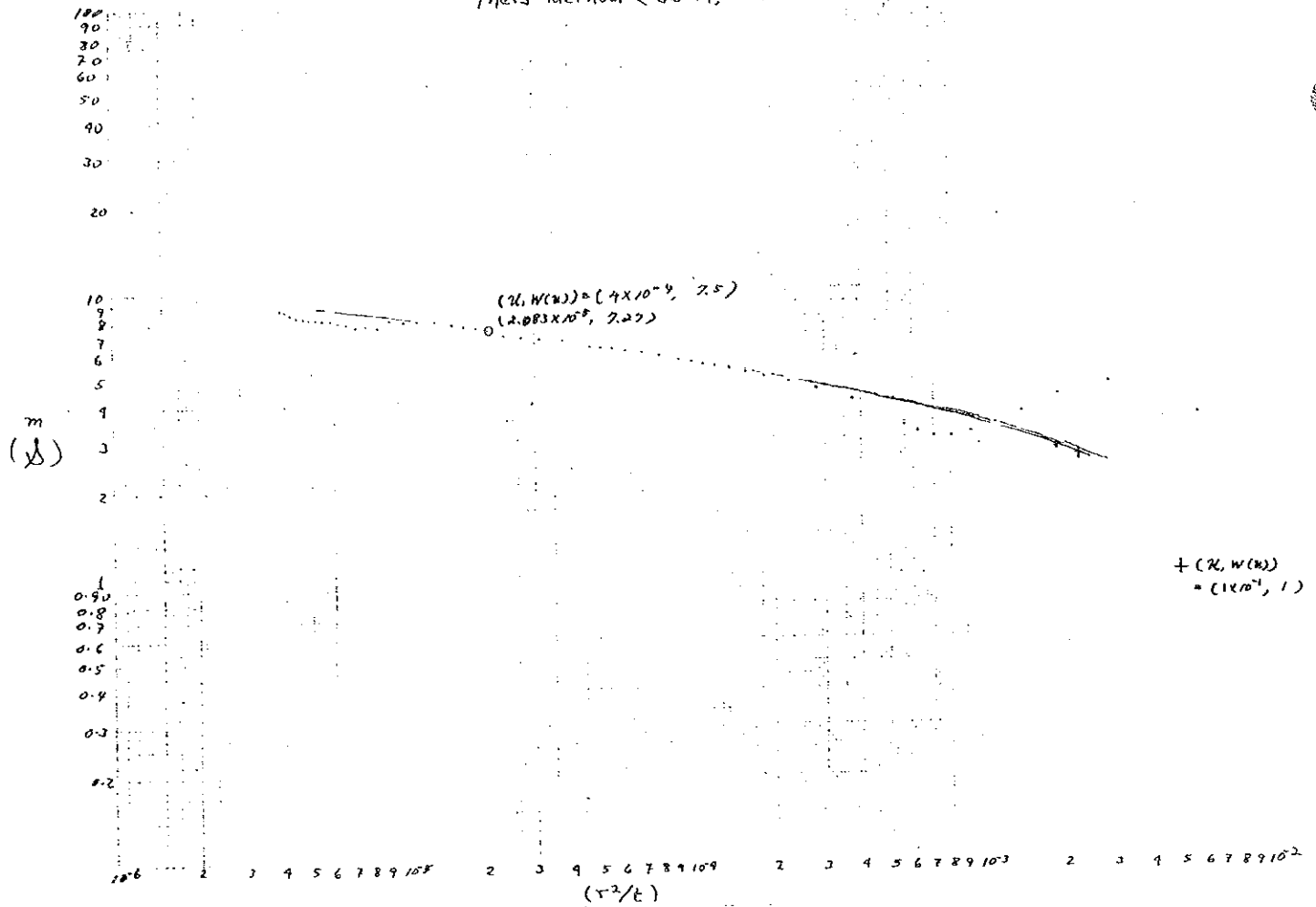


SC 14 (FD 6)

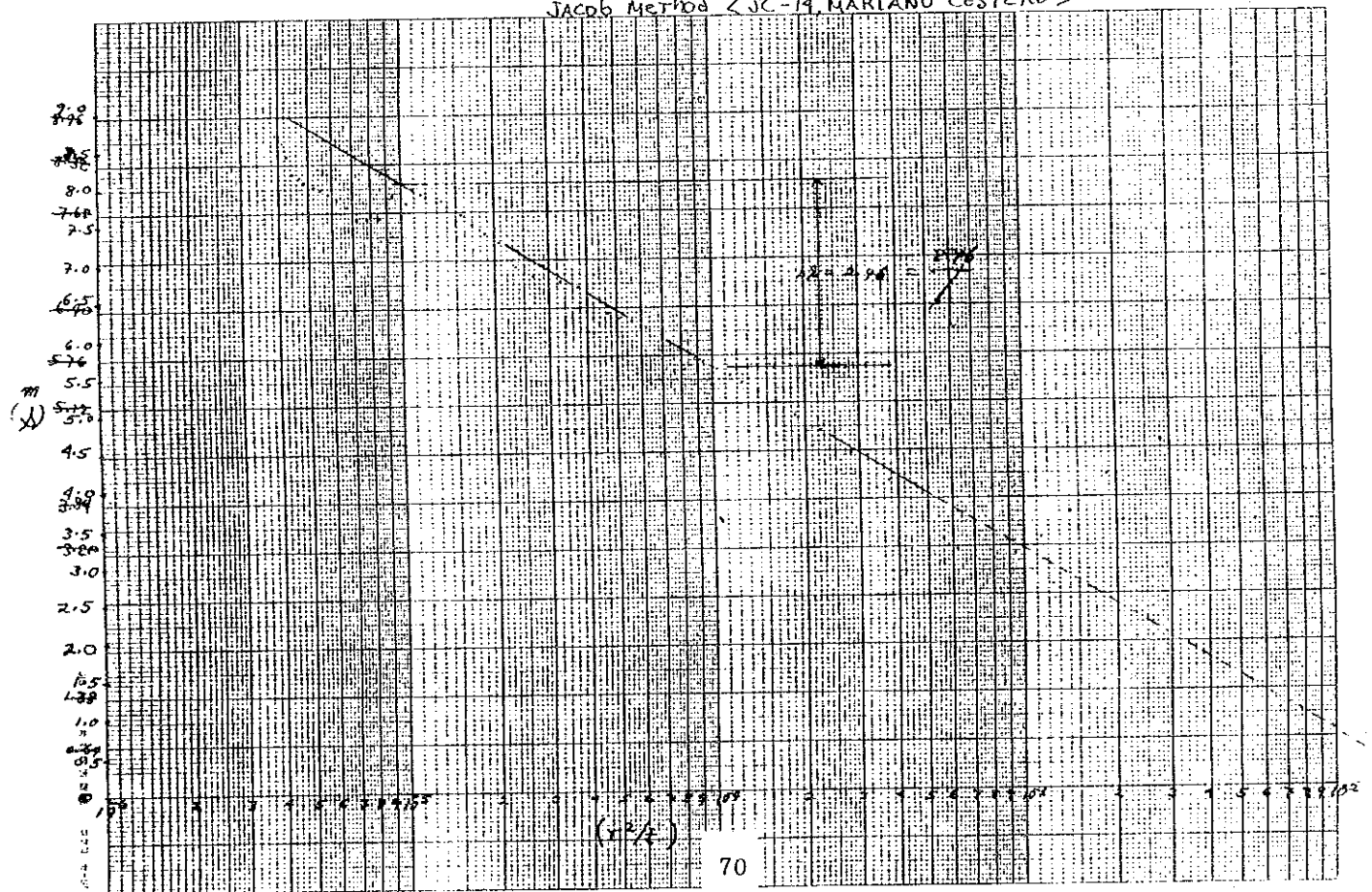


for

Theis Method < JC-19, MARIANO CESTERO >



Jacob Method < JC-19, MARIANO CESTERO >



Recovery method <JC-14, MARIANO CESTERO>

