

ANEXO III

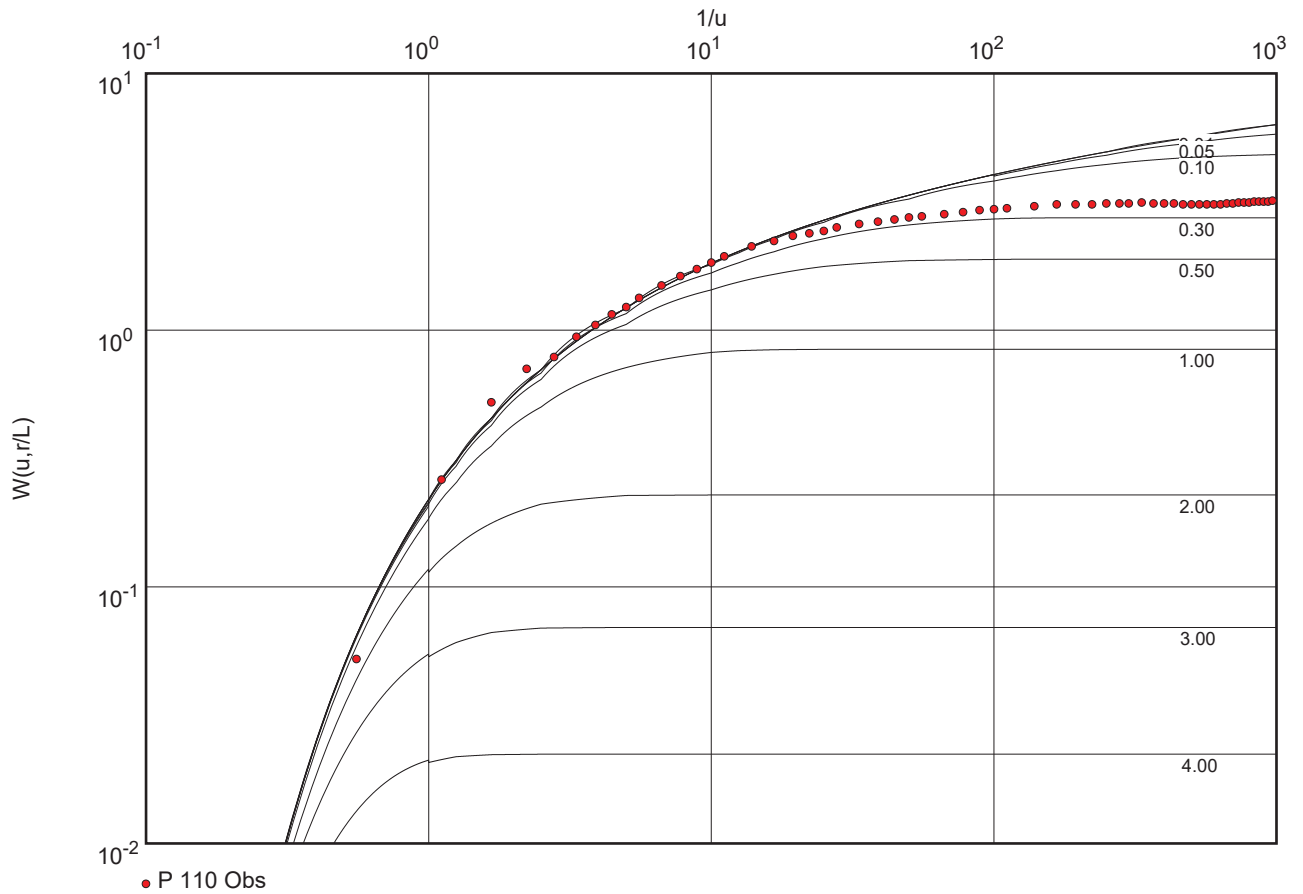
Interpretación ensayos de bombeo

Pumping Test No. 1

Test conducted on:

P 110

Discharge 100,000 m³/h



Transmissivity [m²/d]: $4,99 \times 10^2$

Hydraulic conductivity [m/d]: $1,24 \times 10^1$

Storativity: $8,89 \times 10^{-4}$

Hydraulic resistance (c) [d]: $6,24 \times 10^1$

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Pumping test analysis
 HANTUSH's method
 Leaky aquifer, no aquitard storage

Page 2

Project: Villa Maria

Evaluated by: Hidroar

Date: 08.11.2021

Pumping Test No. 1

Test conducted on:

P 110

P 110 Obs

Discharge 100,000 m³/h

Distance from the pumping well 53,000 m

Static water level: 7,500 m below datum

	Pumping test duration	Water level	Drawdown
	[d]	[m]	[m]
2	0,00069	7,520	0,020
3	0,00139	7,600	0,100
4	0,00208	7,700	0,200
5	0,00278	7,770	0,270
6	0,00347	7,800	0,300
7	0,00417	7,860	0,360
8	0,00486	7,900	0,400
9	0,00556	7,940	0,440
10	0,00625	7,970	0,470
11	0,00694	8,010	0,510
12	0,00833	8,070	0,570
13	0,00972	8,120	0,620
14	0,01111	8,160	0,660
15	0,01250	8,200	0,700
16	0,01389	8,240	0,740
17	0,01736	8,310	0,810
18	0,02083	8,350	0,850
19	0,02431	8,390	0,890
20	0,02778	8,410	0,910
21	0,03125	8,430	0,930
22	0,03472	8,460	0,960
23	0,04167	8,490	0,990
24	0,04861	8,510	1,010
25	0,05556	8,530	1,030
26	0,06250	8,550	1,050
27	0,06944	8,560	1,060
28	0,08333	8,580	1,080
29	0,09722	8,600	1,100
30	0,11111	8,620	1,120
31	0,12500	8,630	1,130
32	0,13889	8,640	1,140
33	0,17361	8,660	1,160
34	0,20833	8,680	1,180
35	0,24306	8,680	1,180
36	0,27778	8,680	1,180
37	0,31250	8,690	1,190
38	0,34722	8,690	1,190
39	0,37500	8,690	1,190
40	0,41667	8,700	1,200
41	0,45833	8,690	1,190
42	0,50000	8,690	1,190
43	0,54167	8,690	1,190
44	0,58333	8,680	1,180
45	0,62500	8,680	1,180
46	0,66667	8,680	1,180
47	0,70833	8,680	1,180
48	0,75000	8,680	1,180
49	0,79167	8,680	1,180
50	0,83333	8,690	1,190

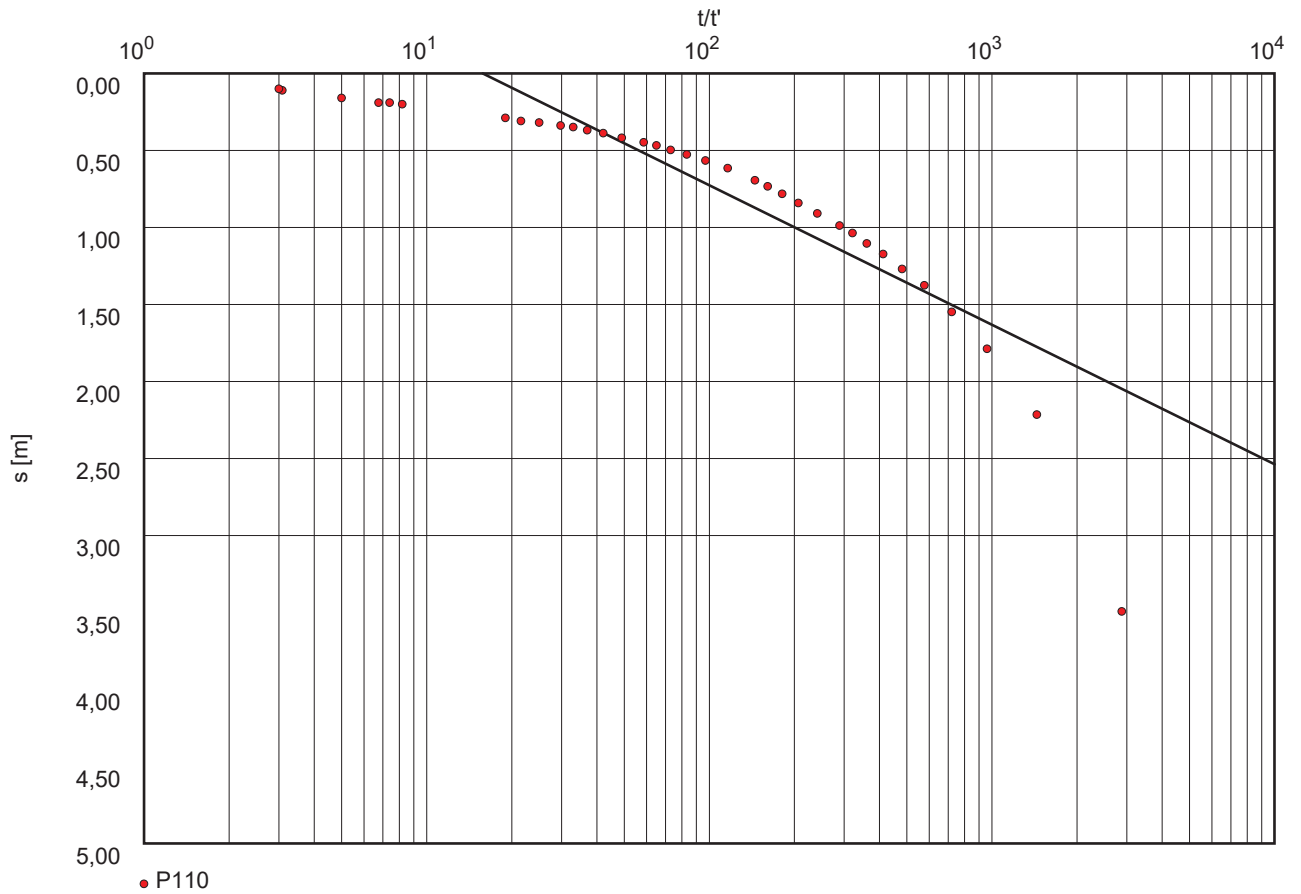
Pumping Test No.

Test conducted on:

P 110

Discharge 100,000 m³/h

Pumping test duration: 2.00000 d



Transmissivity [m²/d]: $4,85 \times 10^2$

Hydraulic conductivity [m/d]: $1,21 \times 10^1$

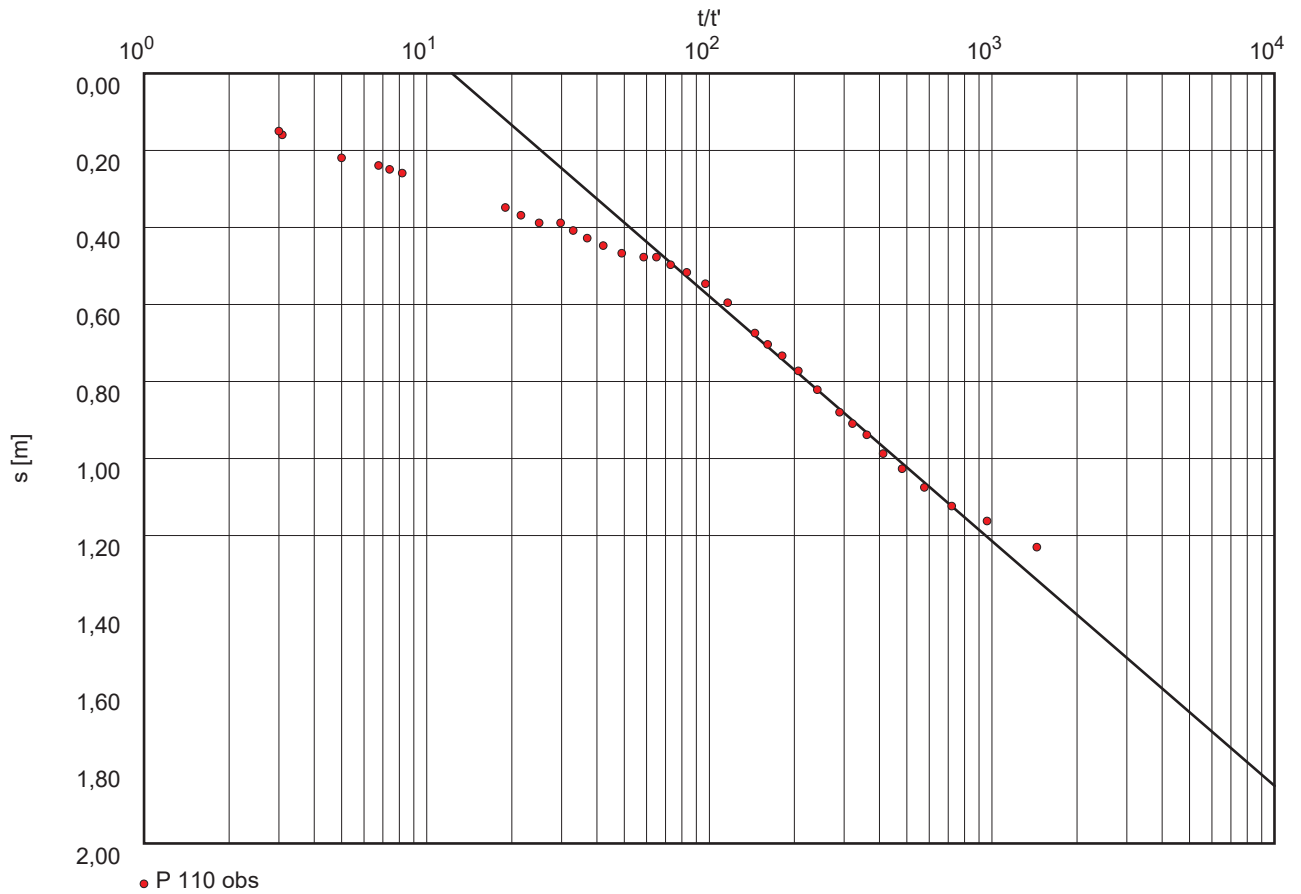
Pumping Test No.

Test conducted on:

P 110 Obs

Discharge 100,000 m³/h

Pumping test duration: 2.00000 d



Transmissivity [m²/d]: $6,91 \times 10^2$

Hydraulic conductivity [m/d]: $1,72 \times 10^1$

