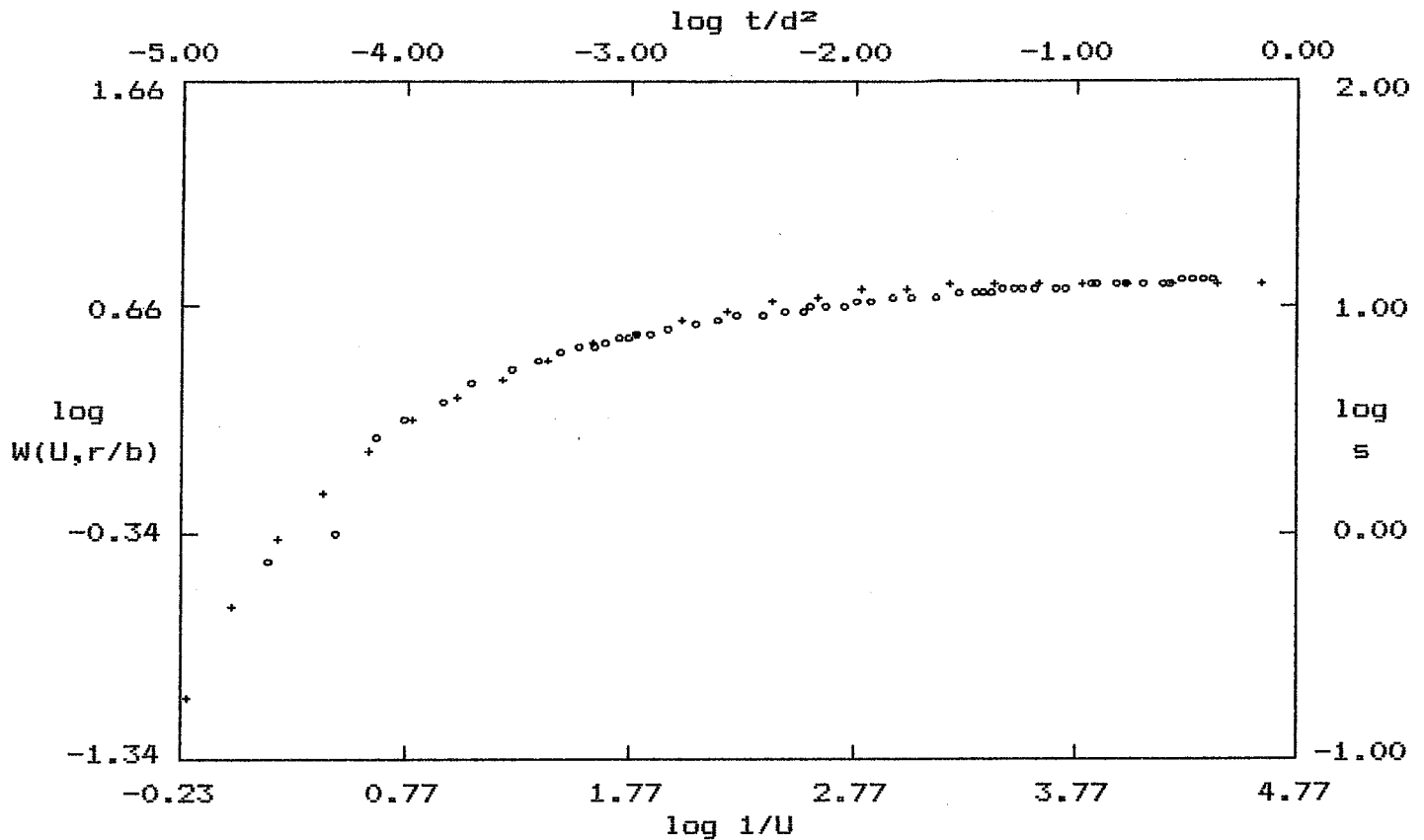


PUMP TEST DATA



o - Data

+ - Type Curve

Confined Leaky: $r/B = 0.06$

SOLUTION

Transmissivity = $1.785E+00$ ft.²/min. = 19,227 gpd/ft
 Storativity = $1.212E-04$

Truman North Obs 2 HM122

16	.285	4796.	.1321E-04	.8552E-05
17	.284	4799.	.1322E-04	.8465E-05
18	.284	4801.	.1323E-04	.8392E-05
19	.284	4803.	.1324E-04	.8329E-05
20	.284	4804.	.1324E-04	.8276E-05
21	.284	4806.	.1325E-04	.8231E-05
22	.283	4807.	.1326E-04	.8193E-05
23	.283	4808.	.1327E-04	.8161E-05
24	.283	4808.	.1328E-04	.8134E-05
25	.283	4809.	.1328E-04	.8111E-05
26	.283	4809.	.1329E-04	.8093E-05
27	.283	4810.	.1330E-04	.8078E-05
28	.283	4810.	.1331E-04	.8066E-05
29	.282	4810.	.1332E-04	.8056E-05

Traner North obs 2 H-1172

T = 35,979 gpd/ft

S = 1.332 x 10⁻⁵

K'/b' = 8.056 x 10⁻⁶

TERMINATION DUE TO PARAMETER CONVERGENCE

FINAL RESULTS

ITER FUNCTION TRANSMISS STORTIVITY SPEC_LEAK

29 .282 4810. .1332E-04 .8056E-05

FRACTIONAL COMPONENTS OF FUNCTION VALUE

WELL #	1	2	3
	.0000	1.000	.0000

DO YOU WANT A SENSITIVITY ANALYSIS ? (Y/N)

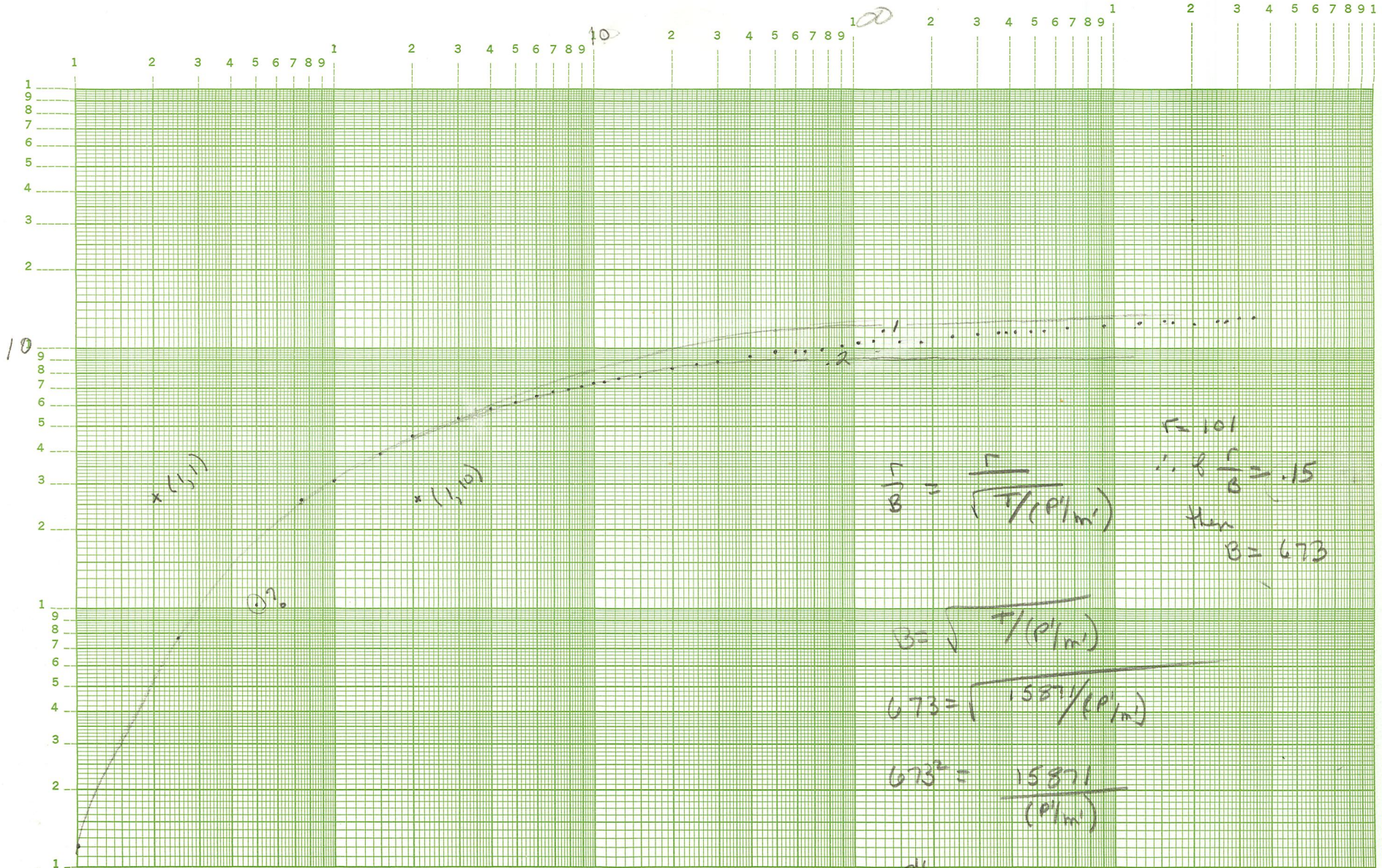
SENSITIVITY ANALYSIS

TWO STANDARD DEVIATION CONFIDENCE INTERVALS

PARAMETER	VALUE	LOWER LIMIT	UPPER LIMIT
TRANSMISS	4810.	4810.	4811.
STORTIVITY	.1332E-04	0.0000	0.3425E-04
SPEC_LEAK	.8049E-05	0.0000	0.4081E-04

TO CONTINUE ENTER "RETURN"

H-M-122 R=101'
Q=367



$D_m = 13.0'$

$$\frac{r}{B} = \frac{r}{\sqrt{T/(P/m')}} \quad R=101$$

$\therefore \frac{r}{B} = .15$
then
 $B = 673$

$$B = \sqrt{T/(P/m')}$$

$$673 = \sqrt{15871/(P/m')}$$

$$673^2 = \frac{15871}{(P/m')}$$

$P/m' = \text{leakance}$
 $= 3.5 \times 10^{-2}$

$w(u)=1$
 $u=1$
 $t= .25$
 $A=2.65$

$$T = \frac{(114.6)(367)}{2.65}(1) = 15871$$

$$S = \frac{(1)(15871)(.25)}{2693(101)^2} = 1.44 \times 10^{-4}$$

WELL H-M-122

TIME AND DRAWDOWN DATA, NORTH SITE AQUIFER TEST
TURNER CORPORATION

<u>TIME (minutes)</u>	<u>DRAWDOWN (feet)</u>
.08	.12
.25	.77
.5	1.01
.75	2.6
1.0	3.13
1.5	3.88
2	4.58
3	5.36
4	5.85
5	6.22
6	6.51
7	6.76
8	6.96
9	7.13
10	7.29
11	7.42
12.5	7.6
15	7.82
20	8.35
25	8.68
30	8.92
40	9.32
50	9.6
60	9.71
65	9.8
75	9.96
90	10.19
105	10.41
120	10.55
150	10.75
182	10.79
240	11.09
300	11.23
360	11.37
387	11.44
422	11.47
480	11.79
537	11.87
592	11.89
662	12.01
838	12.18
903	12.21
1212	12.34
1260	12.5

WELL H-M-122

TIME AND DRAWDOWN DATA, NORTH SITE AQUIFER TEST
TURNER CORPORATION - CONT'D

<u>TIME (minutes)</u>	<u>DRAWDOWN (feet)</u>
1560	12.75
1700	12.62
2040	12.42
2500	12.75
2700	12.87
3030	13.01
3390	13.08
3810	13.06
4110	13.08