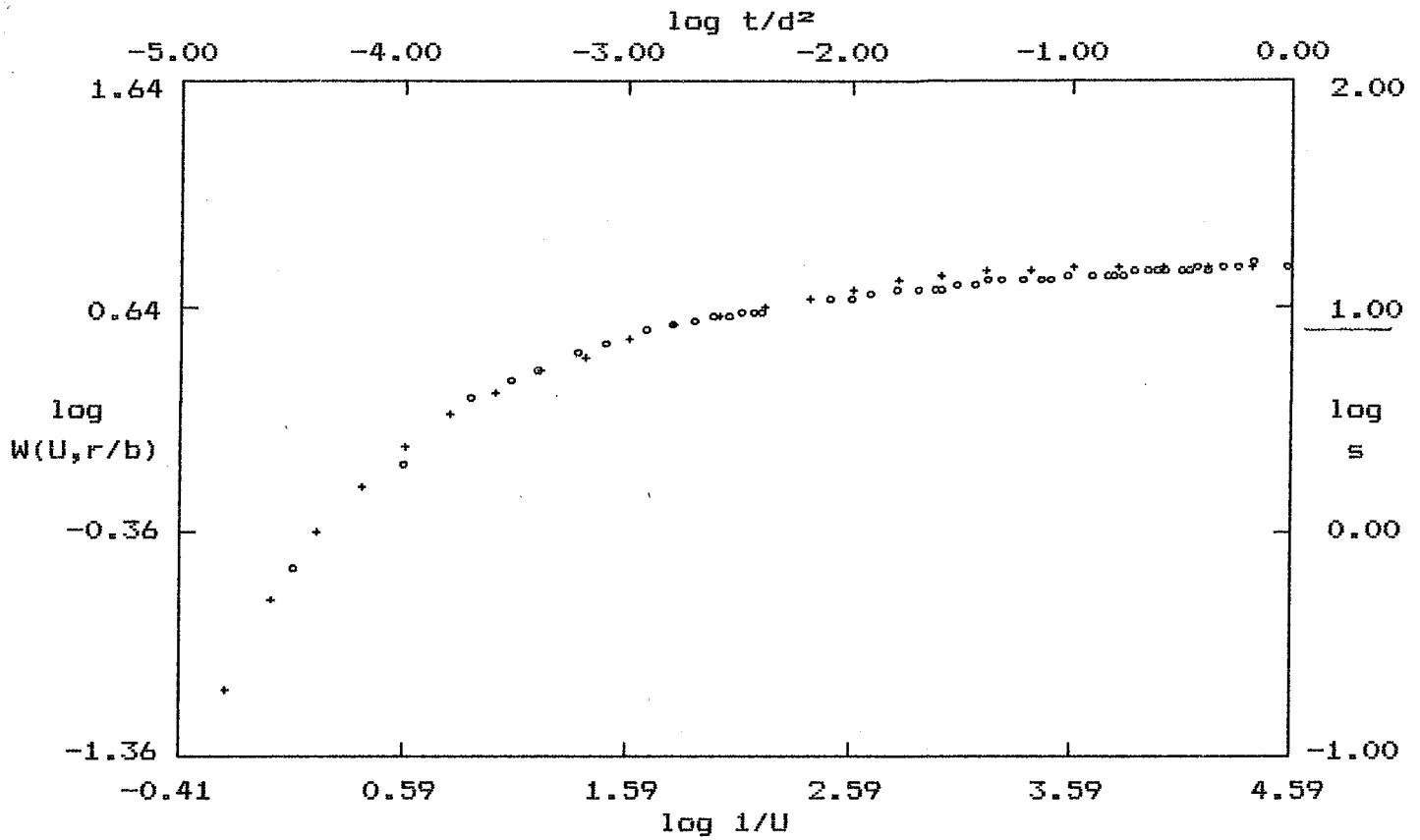


PUMP TEST DATA



o - Data

+ - Type Curve

Confined Leaky: $r/B = 0.04$

SOLUTION

Transmissivity = $1.704E+00$ ft.²/min. $\approx 18,311$ gal/ft

Storativity = $1.752E-04$

Turner North obs / HM 121

14	.126	4468.	.1106E-04	.8151E-05
15	.126	4471.	.1107E-04	.7997E-05
16	.126	4474.	.1107E-04	.7875E-05
17	.126	4477.	.1108E-04	.7779E-05
18	.125	4478.	.1108E-04	.7702E-05
19	.125	4480.	.1108E-04	.7640E-05
20	.125	4481.	.1109E-04	.7590E-05
21	.125	4482.	.1109E-04	.7551E-05
22	.125	4483.	.1110E-04	.7520E-05
23	.125	4483.	.1110E-04	.7495E-05
24	.125	4484.	.1110E-04	.7475E-05
25	.125	4484.	.1111E-04	.7459E-05
26	.125	4484.	.1111E-04	.7447E-05
27	.125	4484.	.1111E-04	.7438E-05

Turner North obs 1 HMI2

$$T = 33,182 \text{ gpd/ft}$$

$$S = 1.112 \times 10^{-5}$$

$$K/b = 7.438 \times 10^{-6} \text{ day}^{-1}$$

TERMINATION DUE TO PARAMETER CONVERGENCE

FINAL RESULTS

ITER FUNCTION TRANSMISS STORTIVITY SPEC_LEAK

27 .125 4484. .1112E-04 .7438E-05

FRACTIONAL COMPONENTS OF FUNCTION VALUE

WELL #	1	2	3
	1.000	.0000	.0000

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

SENSITIVITY ANALYSIS

TWO STANDARD DEVIATION CONFIDENCE INTERVALS

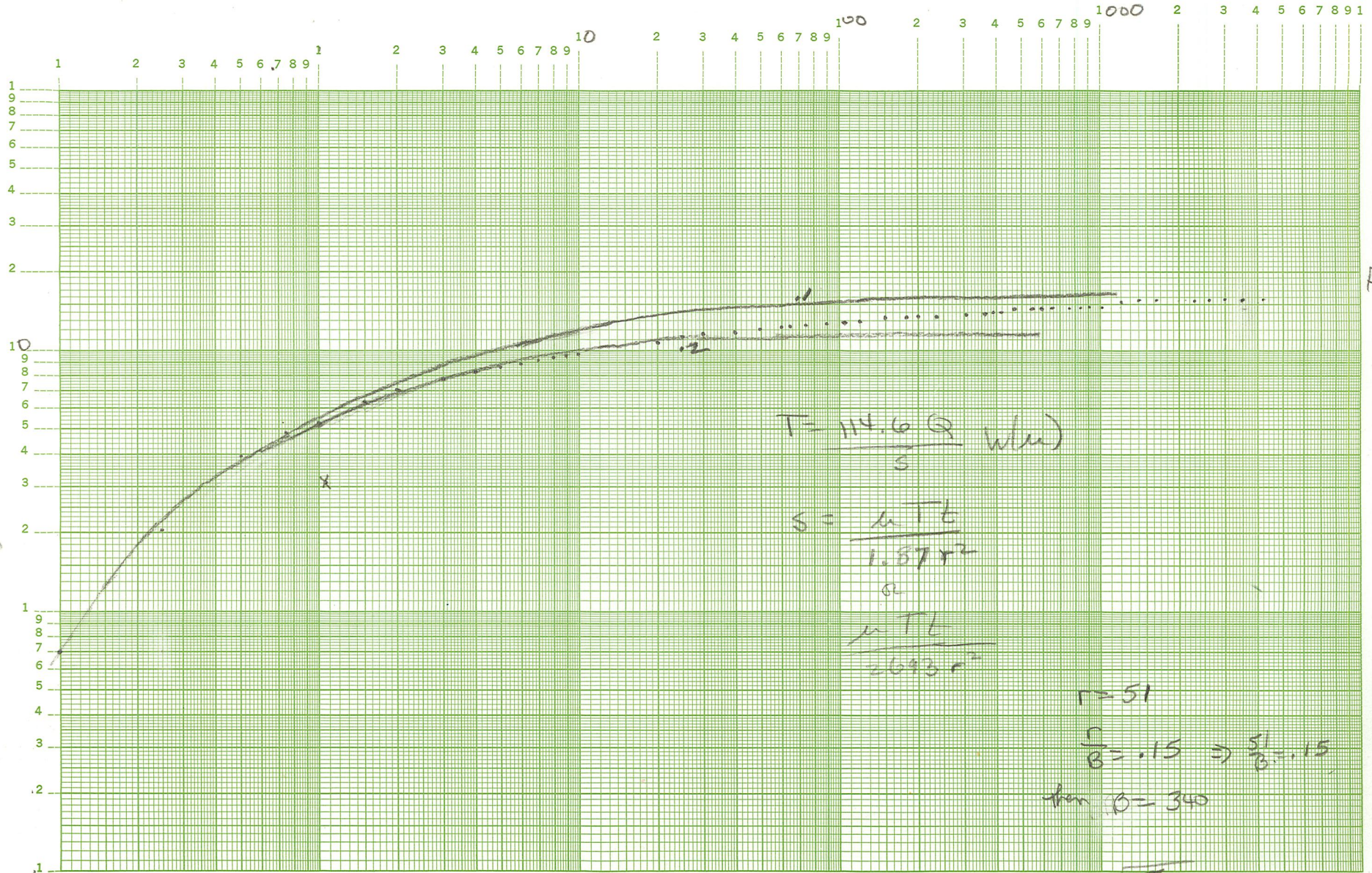
PARAMETER	VALUE	LOWER LIMIT	UPPER LIMIT
TRANSMISS	4484.	4484.	4485.
STORTIVITY	.1112E-04	0.0000	0.2761E-04
SPEC_LEAK	.7431E-05	0.0000	0.3910E-04

TO CONTINUE ENTER "RETURN"

#-m-121

Q = 367 GPM
r = 51'

drawdown = S in feet w(t) = 10'



$$T = \frac{114.6 Q}{S} \text{ (min)}$$

$$S = \frac{\mu T t}{2.693 r^2}$$

$$\frac{\mu T t}{2.693 r^2}$$

r = 51

$$\frac{S}{S_0} = 0.15 \Rightarrow \frac{S_1}{S_0} = 0.15$$

then S = 340

w(t) = 1
1/u = 10
t = 1.05
n = 3.1

$$T = \frac{114.6 (367)}{3.1} (1) = 13567$$

t = minutes

$$S = \frac{(1)(13567)(1.05)}{(2.693)(51)^2} = 2.03 \times 10^{-4}$$

$$340 = \sqrt{\frac{T}{(P'/m')}} \quad (1)$$

$$340^2 = \frac{13500}{(P'/m')}$$

$$P'/m' = \frac{13500}{202} = 1.16 \times 10^{-1}$$

15.7

WELL H-M-121

TIME AND DRAWDOWN DATA, NORTH SITE AQUIFER TEST
TURNER CORPORATION

<u>TIME (minutes)</u>	<u>DRAWDOWN (feet)</u>
.08	.70
.25	2.02
.5	3.97
.75	4.78
1.0	5.29
1.5	6.28
2	7.04
3	7.84
4	8.33
5	8.69
6	8.96
7	9.22
8	9.39
9	9.57
10	9.72
20	10.87
25	11.19
30	11.45
40	11.85
50	12.09
60	12.21
65	12.30
75	12.44
90	12.715
105	12.935
120	13.09
150	13.285
180	13.29
200	13.46
238	13.62
305	13.8
361	13.94
385	14.03
424	14.06
477	14.41
545	14.46
600	14.50
658	14.60
779	14.67
840	14.78
901	14.815
1020	14.78
1205	15.11

WELL H-M-121

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

<u>TIME (minutes)</u>	<u>DRAWDOWN (feet)</u>
1400	15.40
1660	15.55
2320	15.42
2690	15.54
3025	15.71
3565	15.71
4113	15.71