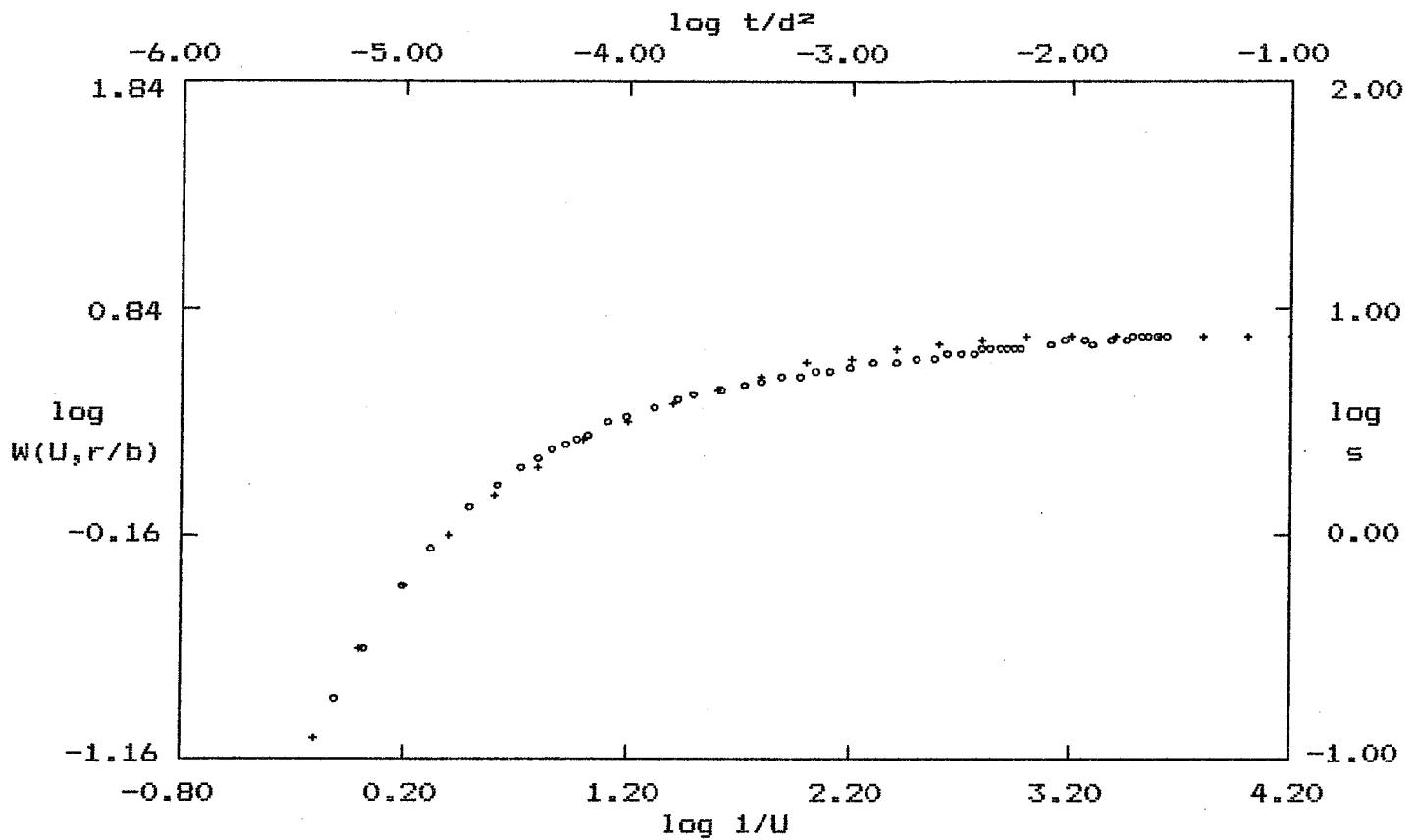


# PUMP TEST DATA



o - Data

+ - Type Curve

Confined Leaky:  $r/B = 0.08$

## SOLUTION

Transmissivity =  $2.701E+00$  ft.<sup>2</sup>/min. = *29,093 gpd/ft*  
 Storativity =  $6.817E-05$

*Turner North Obs 3 HM 123*

53	.940E-01	6648.	.1809E-04	.4926E-05
54	.939E-01	6648.	.1811E-04	.4906E-05
55	.938E-01	6649.	.1812E-04	.4888E-05
56	.937E-01	6650.	.1813E-04	.4872E-05
57	.936E-01	6650.	.1814E-04	.4857E-05
58	.935E-01	6651.	.1816E-04	.4843E-05
59	.934E-01	6651.	.1817E-04	.4831E-05
60	.933E-01	6651.	.1818E-04	.4820E-05
61	.932E-01	6651.	.1819E-04	.4810E-05
62	.931E-01	6651.	.1821E-04	.4801E-05
63	.930E-01	6652.	.1822E-04	.4793E-05
64	.929E-01	6652.	.1823E-04	.4787E-05
65	.928E-01	6652.	.1824E-04	.4781E-05
66	.927E-01	6651.	.1826E-04	.4776E-05

TERMINATION DUE TO PARAMETER CONVERGENCE

#### FINAL RESULTS

ITER	FUNCTION	TRANSMISS	STORTIVITY	SPEC_LEAK
66	.927E-01	6651.	.1827E-04	.4776E-05

#### FRACTIONAL COMPONENTS OF FUNCTION VALUE

WELL #	1	2	3
	.0000	.0000	1.000

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

#### SENSITIVITY ANALYSIS

#### TWO STANDARD DEVIATION CONFIDENCE INTERVALS

PARAMETER	VALUE	LOWER LIMIT	UPPER LIMIT
TRANSMISS	6651.	6650.	6652.
STORTIVITY	.1827E-04	0.0000	0.5773E-04
SPEC_LEAK	.4772E-05	0.0000	0.5099E-04

TO CONTINUE ENTER "RETURN"

*Turner North Obs 3 H-1123*

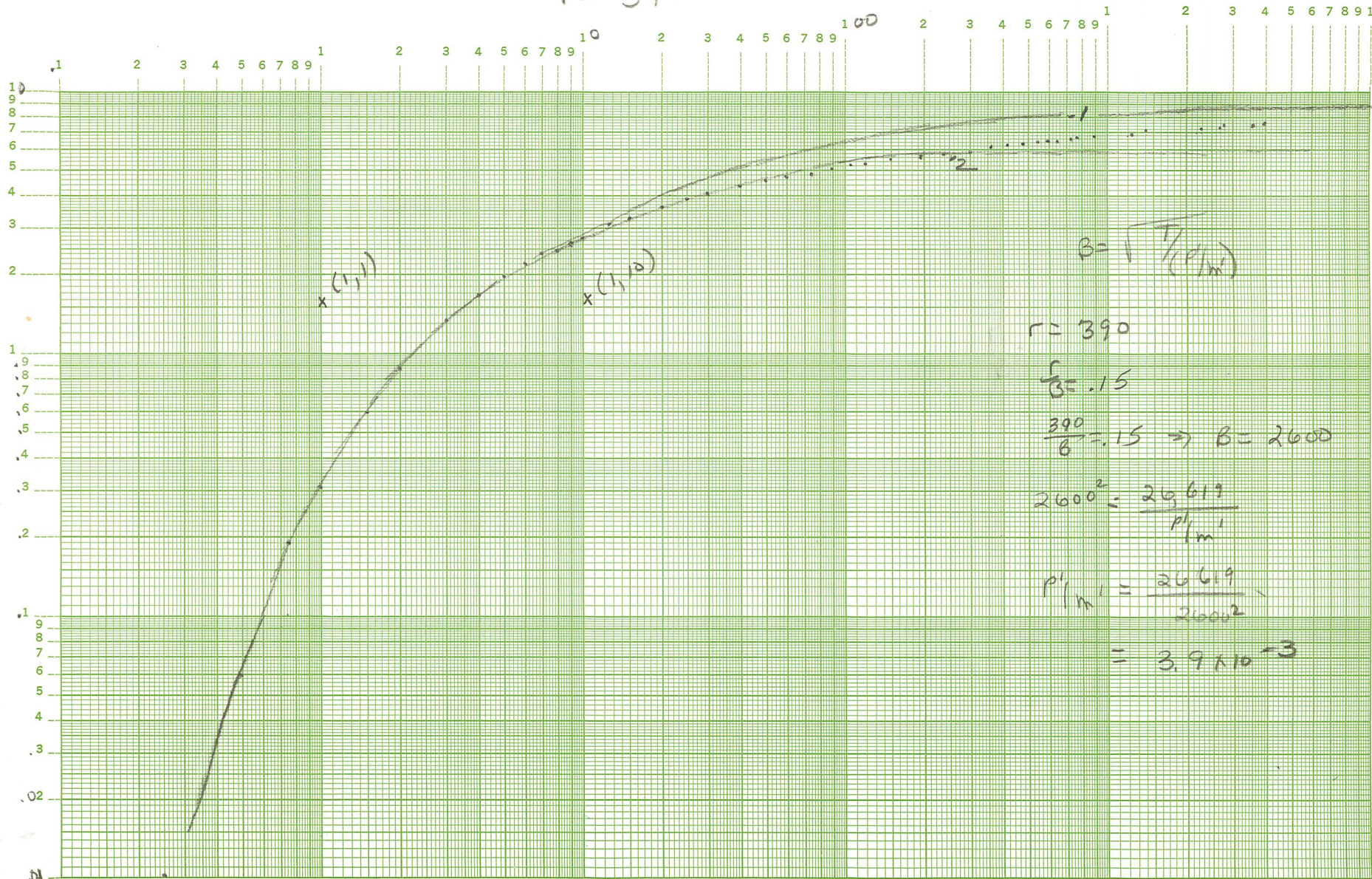
$$T = 49,749 \text{ gpd/ft}$$

$$S = 1.827 \times 10^{-5}$$

$$K/b = 4.776 \times 10^{-6} \text{ day}^{-1}$$



H-M-123  $Q = 3670 \text{ rpm}$   
 $r = 390'$



$A = 7.6$

$$B = \sqrt{\frac{1}{(P/m)}}$$

$$r = 390$$

$$\frac{r}{B} = .15$$

$$\frac{390}{B} = .15 \Rightarrow B = 2600$$

$$2600^2 = \frac{26,619}{P/m}$$

$$P/m = \frac{26,619}{2600^2}$$

$$= 3.9 \times 10^{-3}$$

$$w(u) = 1$$

$$\frac{1}{u} = 1$$

$$t = 1.02$$

$$Q = 1.58$$

$$T = \frac{114.6(367)}{1.58}(1) = 26,619$$

$$S = \frac{(1)(26619)(1.02)}{2693(29.8)} = 6.6 \times 10^{-5}$$

(3)



WELL H-M-123

TIME AND DRAWDOWN DATA, NORTH SITE AQUIFER TEST  
TURNER CORPORATION

<u>TIME (minutes)</u>	<u>DRAWDOWN (feet)</u>
.25	.01
.5	.06
.75	.19
1	.31
1.5	.60
2	.88
3	1.33
4	1.69
5	1.98
6	2.20
7	2.40
8	2.49
9	2.63
10	2.76
12.5	3.10
15	3.29
20	3.62
25	3.94
30	4.09
40	4.38
50	4.59
60	4.74
75	4.92
90	5.08
105	5.22
120	5.32
150	5.485
193	5.66
240	5.79
300	5.94
364	6.155
420	6.24
480	6.33
554	6.43
600	6.50
650	6.56
730	6.63
786	6.67
845	6.72
900	6.76

WELL H-M-123

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

<u>TIME (minutes)</u>	<u>DRAWDOWN (feet)</u>
1228	6.92
1405	7.14
1735	7.13
1920	7.06
2280	7.23
2700	7.37
2880	7.50
3150	7.51
3385	7.54
3745	7.57
4105	7.59