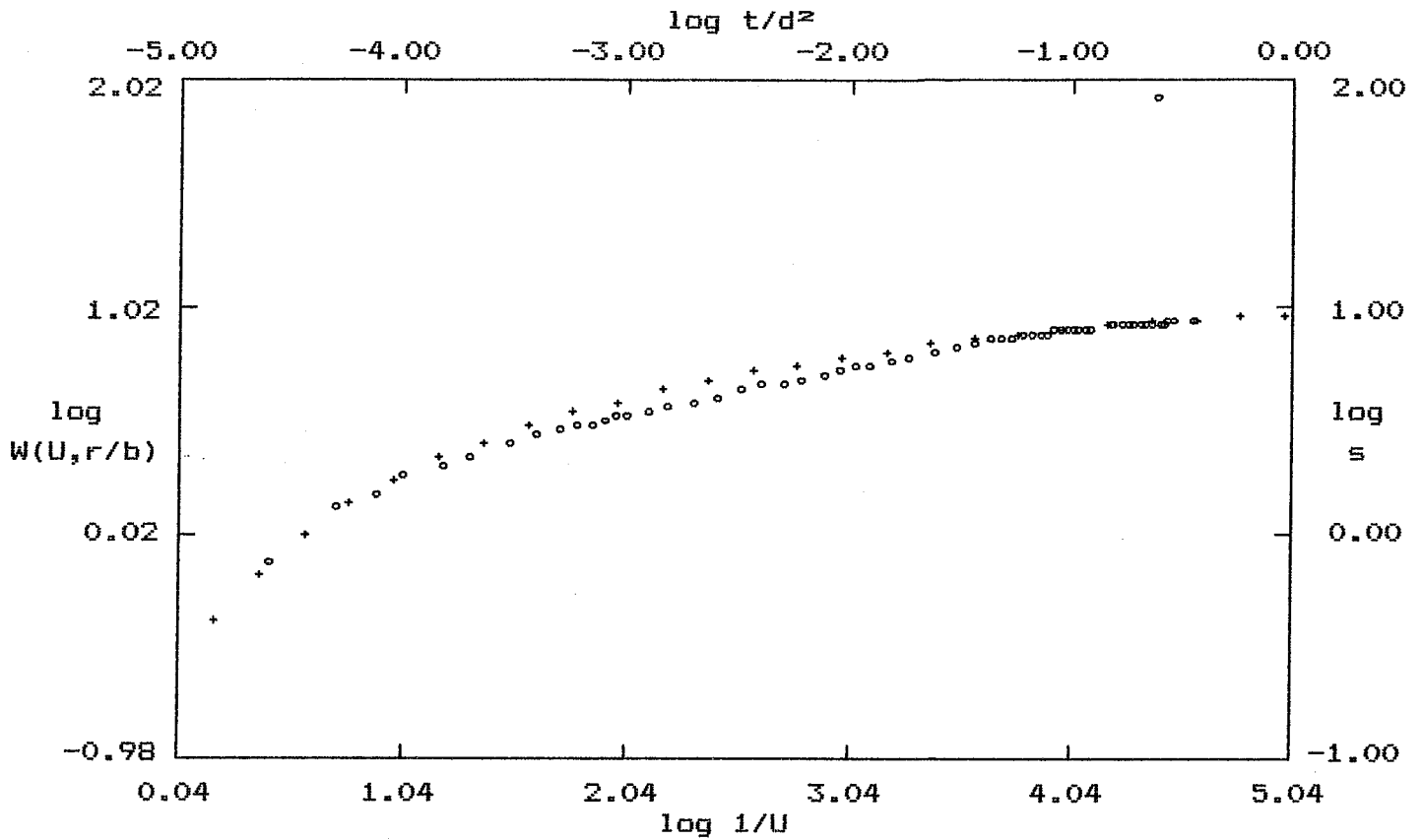


PUMP TEST DATA



Confined Leaky: $r/B = 0.01$

SOLUTION

Transmissivity = $5.291E+00$ ft.²/min. = 56,990 gpd/ft

Storativity = $1.930E-04$

Turner South H483

OPTIMIZATION BY LEVENBERG-MARQUARDT MINIMIZATION ALGORITHM

ITER	FUNCTION	TRANSMISS	STORTIVITY
1	.481E-01	8244.	.2225E-03
3	.402E-01	7822.	.2779E-03
5	.381E-01	7901.	.2778E-03

TERMINATION DUE TO PARAMETER CONVERGENCE

FINAL RESULTS

ITER	FUNCTION	TRANSMISS	STORTIVITY
5	.381E-01	7883.	.2782E-03

FRACTIONAL COMPONENTS OF FUNCTION VALUE

WELL #	1	2
	1.000	.0000

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

Turner South HM 83

T = 58,965 gpd/ft

S = 2.782 x 10⁻⁴

k'/b = ?

SENSITIVITY ANALYSIS

TWO STANDARD DEVIATION CONFIDENCE INTERVALS

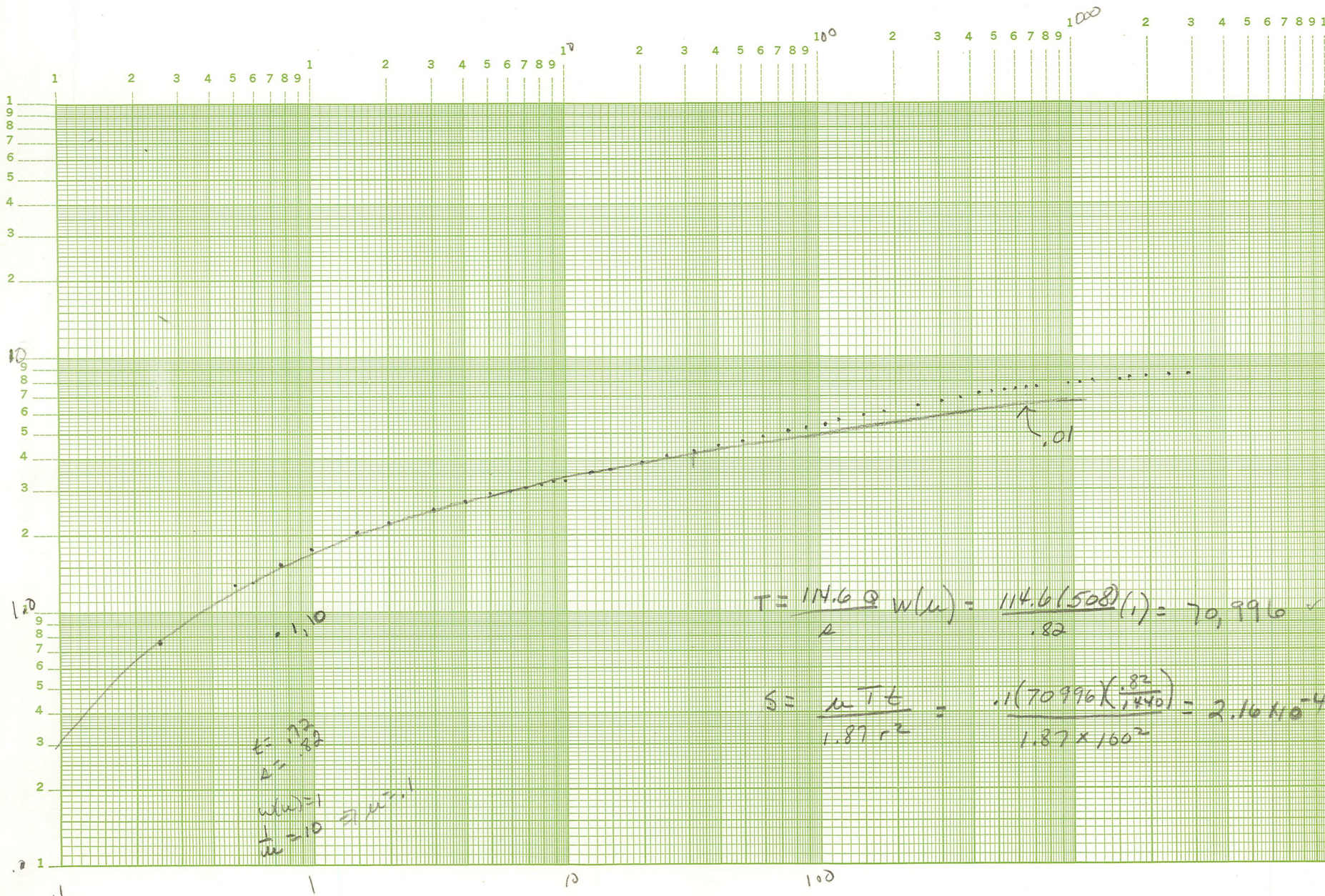
PARAMETER	VALUE	LOWER LIMIT	UPPER LIMIT
TRANSMISS	7883.	7869.	7897.
STORTIVITY	.2782E-03	0.0000	0.7155E-03

TO CONTINUE ENTER "RETURN"

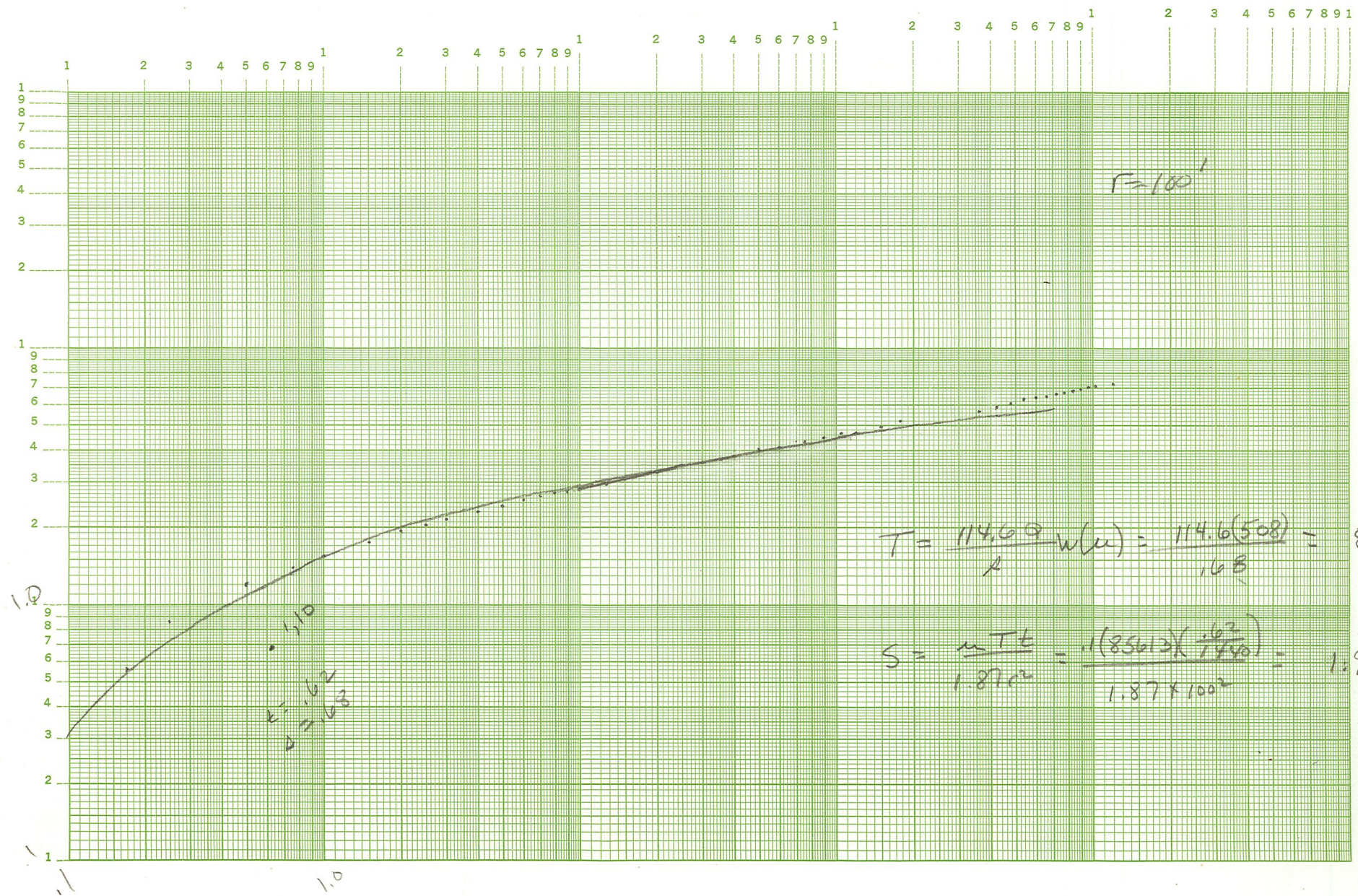
Sour
well 46 7522

H-83

r=100



#183 Recovery



$$T = \frac{114.69}{A} w(u) = \frac{114.6(508)}{168} = 85,613 \text{ GPD/ft}$$

$$S = \frac{m T t}{1.87 \rho} = \frac{(85613) \left(\frac{62}{1.87} \right)}{1.87 \times 100^2} = 1.97 \times 10^{-4}$$