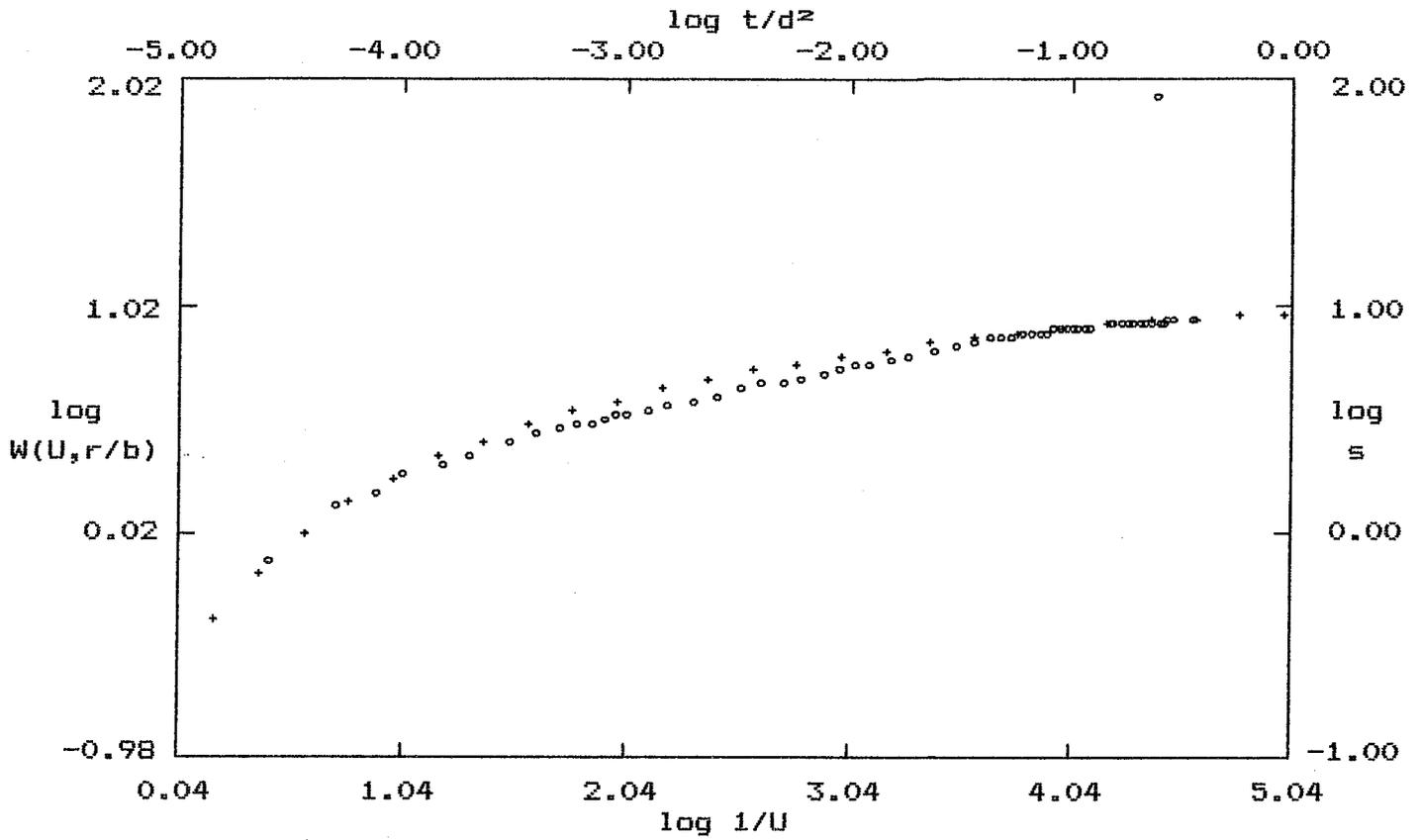


PUMP TEST DATA



o - Data

+ - Type Curve

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	STORTIVTY
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	STORTIVTY
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

$T = 58,965 \text{ gpd/ft}$

$S = 2.782 \times 10^{-4}$

$\frac{k'}{b} = ?$

SENSITIVITY ANALYSIS

TWO STANDARD DEVIATION CONFIDENCE INTERVALS

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

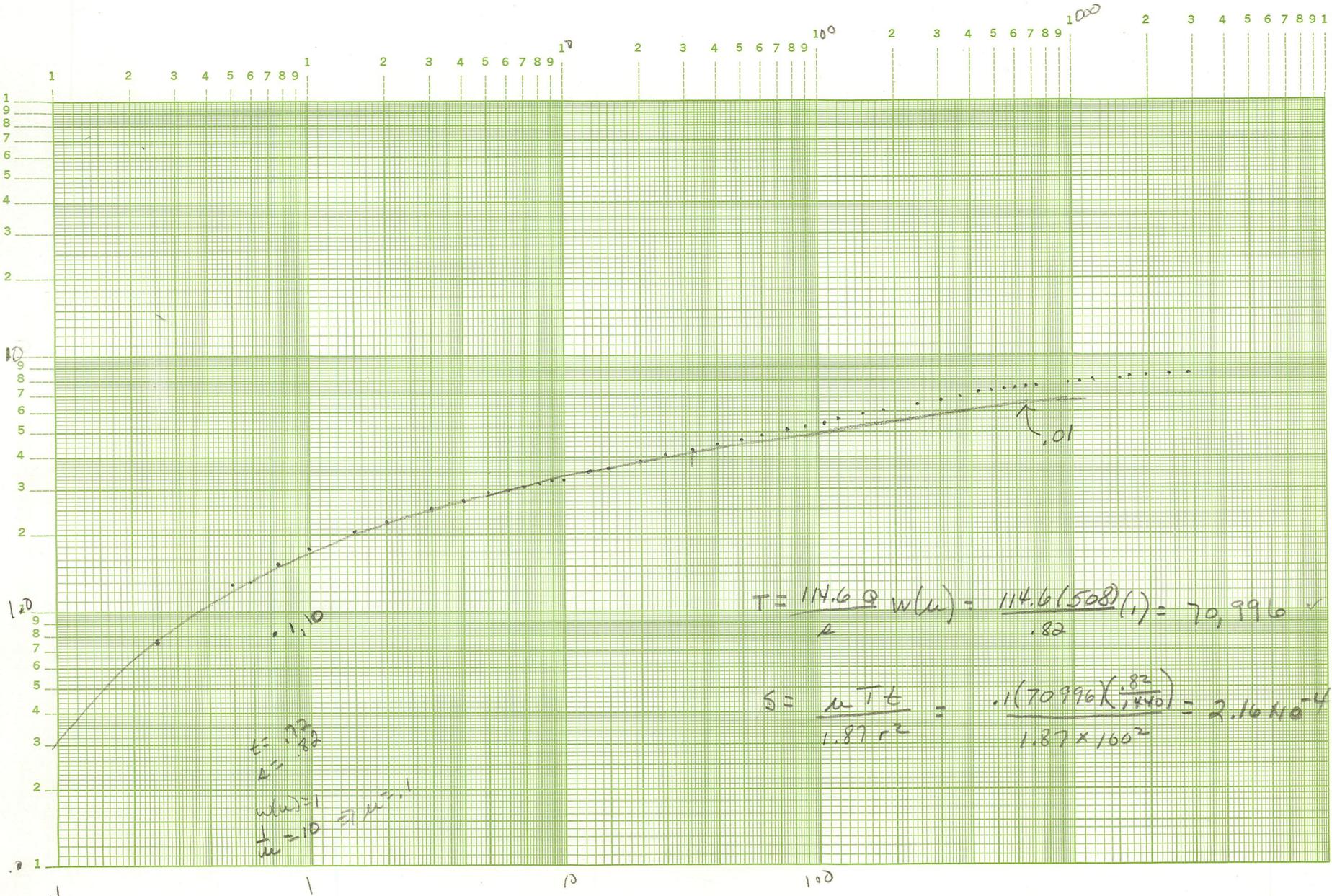
TO CONTINUE ENTER "RETURN"

Souls well

46 7522

H-83

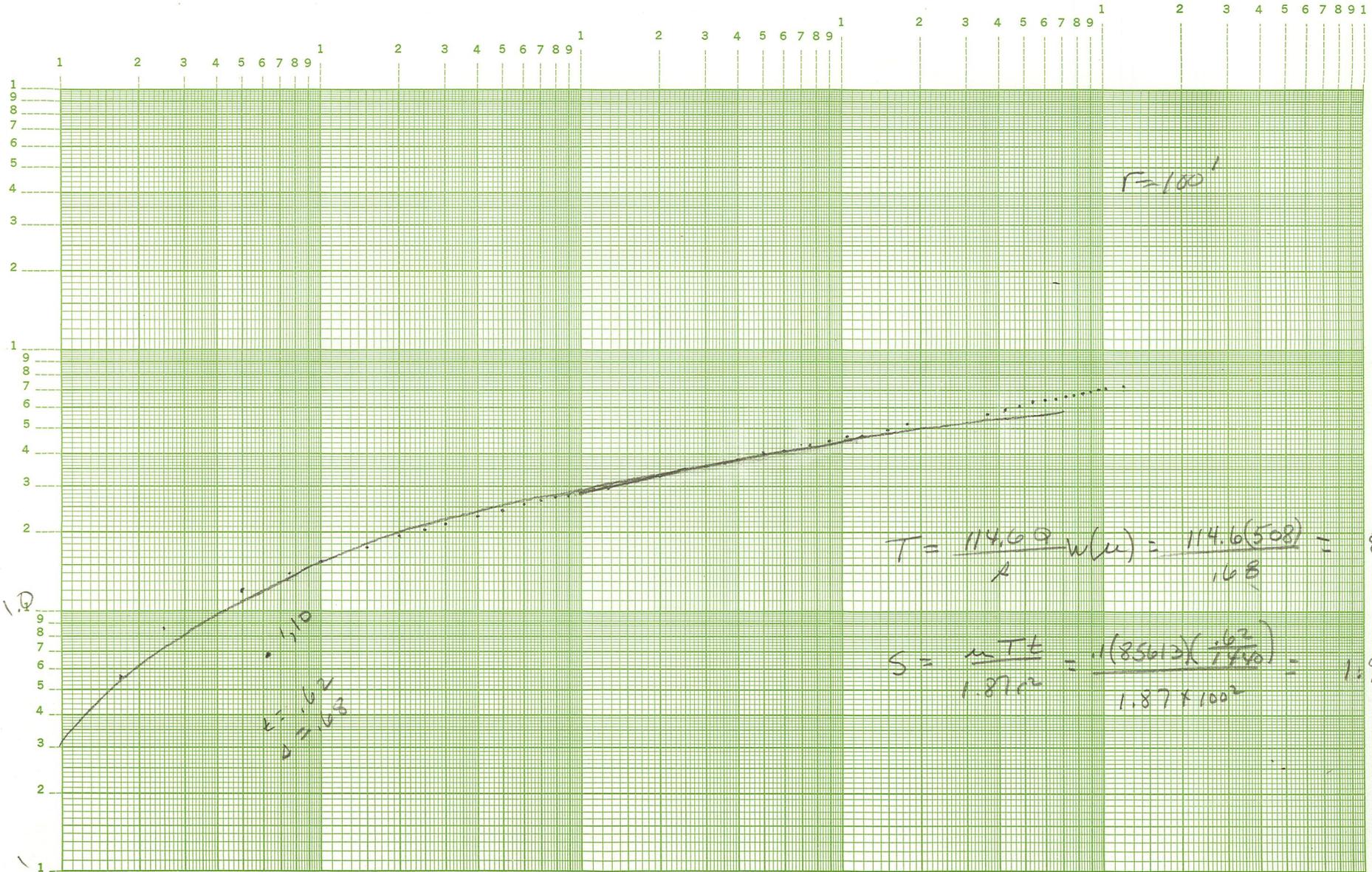
$r = 100$



$$T = \frac{114.6 Q w(u)}{r} = \frac{114.6 (508) (1)}{.82} = 70,996 \checkmark$$

$$S = \frac{\mu T G}{1.87 r^2} = \frac{.1 (70,996) \left(\frac{.82}{1,440} \right)}{1.87 \times 100^2} = 2.16 \times 10^{-4}$$

#183 Recovery



$r=100'$

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

$$S = \frac{mTt}{1.87C} = \frac{(85613)(.62)}{1.87 \times 100^2} = 1.97 \times 10^{-4}$$