

ITER	FUNCTION	TRANSMISS	STORTIVTY	SPEC_LEAK
1	.358	2069.	.2556E-04	.2882E-04
3	.276	2040.	.2540E-04	.1894E-04
4	.265	2027.	.2531E-04	.2232E-04
5	.260	2016.	.2523E-04	.2371E-04
6	.258	2008.	.2516E-04	.2475E-04
7	.256	2003.	.2510E-04	.2550E-04
8	.255	1999.	.2503E-04	.2602E-04
9	.255	1997.	.2498E-04	.2635E-04
10	.254	1996.	.2492E-04	.2655E-04
11	.254	1996.	.2487E-04	.2666E-04
12	.254	1995.	.2482E-04	.2670E-04

TERMINATION DUE TO PARAMETER CONVERGENCE

FINAL RESULTS

ITER	FUNCTION	TRANSMISS	STORTIVTY	SPEC_LEAK
12	.254	1996.	.2477E-04	.2670E-04

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	1996.	1995.	1997.
STORTIVTY	.2477E-04	0.0000	0.5410E-04
SPEC_LEAK	.2669E-04	0.0000	0.9533E-04

TO CONTINUE ENTER "RETURN"

David Lee Well 1

$T = 14,930 \text{ gpd/ft}$

$S = 2.477 \times 10^{-5}$

$K/b = 2.67 \times 10^{-5} \text{ day}^{-1}$

80	.147	2256.	.1767E-04	.1092E-04
81	.147	2257.	.1766E-04	.1091E-04
82	.147	2257.	.1765E-04	.1090E-04
83	.147	2257.	.1765E-04	.1089E-04
84	.147	2257.	.1764E-04	.1088E-04
85	.147	2258.	.1763E-04	.1087E-04
86	.147	2258.	.1762E-04	.1086E-04
87	.147	2258.	.1762E-04	.1085E-04
88	.147	2258.	.1761E-04	.1083E-04
89	.147	2259.	.1760E-04	.1082E-04
90	.147	2259.	.1759E-04	.1081E-04
91	.147	2259.	.1759E-04	.1080E-04
92	.147	2259.	.1758E-04	.1079E-04
93	.147	2260.	.1757E-04	.1078E-04

David Lee Well 2

TERMINATION DUE TO PARAMETER CONVERGENCE

FINAL RESULTS

ITER	FUNCTION	TRANSMISS	STORTIVITY	SPEC_LEAK
93	.147	2260.	.1756E-04	.1078E-04

FRACTIONAL COMPONENTS OF FUNCTION VALUE

WELL #	1	2	3
	.0000	1.000	.0000

T = 16,905 gpd/ft
S = 1.756 x 10⁻⁵
K'/b = 1.078 x 10⁻⁵ day⁻¹

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

SENSITIVITY ANALYSIS

TWO STANDARD DEVIATION CONFIDENCE INTERVALS

PARAMETER	VALUE	LOWER LIMIT	UPPER LIMIT
TRANSMISS	2260.	2259.	2261.
STORTIVITY	.1756E-04	0.0000	0.4084E-04
SPEC_LEAK	.1077E-04	0.0000	0.5410E-04

TO CONTINUE ENTER "RETURN"

54	.140	2727.	.1999E-04	.7271E-05
55	.140	2728.	.2000E-04	.7256E-05
56	.140	2728.	.2001E-04	.7242E-05
57	.140	2728.	.2001E-04	.7229E-05
58	.140	2728.	.2002E-04	.7217E-05
59	.140	2729.	.2003E-04	.7205E-05
60	.140	2729.	.2004E-04	.7194E-05
61	.140	2729.	.2005E-04	.7183E-05
62	.140	2729.	.2006E-04	.7173E-05
63	.140	2730.	.2006E-04	.7164E-05
64	.140	2730.	.2007E-04	.7155E-05
65	.140	2730.	.2008E-04	.7147E-05
66	.140	2730.	.2009E-04	.7139E-05
67	.140	2730.	.2010E-04	.7132E-05

TERMINATION DUE TO PARAMETER CONVERGENCE

FINAL RESULTS

ITER	FUNCTION	TRANSMISS	STORTIVITY	SPEC_LEAK
67	.140	2730.	.2010E-04	.7132E-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	2730.	2729.	2731.
STORTIVITY	.2010E-04	0.0000	0.5489E-04
SPEC_LEAK	.7126E-05	0.0000	0.5330E-04

TO CONTINUE ENTER "RETURN"

David Lee Well 3

$T = 20,420 \text{ gpd/ft}$

$S = 2.01 \times 10^{-5}$

$\frac{K'}{b} = 7.132 \times 10^{-6}$

OPTIMIZATION BY LEVENBERG-MARQUARDT MINIMIZATION ALGORITHM

ITER	FUNCTION	TRANSMISS	STORTIVTY	SPEC_LEAK
1	.860	2066.	.2281E-04	.2737E-04
2	.860	2066.	.2283E-04	.2741E-04
3	.860	2065.	.2285E-04	.2744E-04
4	.860	2065.	.2286E-04	.2748E-04

TERMINATION DUE TO PARAMETER CONVERGENCE

FINAL RESULTS

ITER	FUNCTION	TRANSMISS	STORTIVTY	SPEC_LEAK
5	.860	2065.	.2287E-04	.2748E-04

FRACTIONAL COMPONENTS OF FUNCTION VALUE

WELL #	1	2	3
	.3263	.2439	.4299

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

David led all wells

$$T = 15,446 \text{ gpd/ft}$$

$$S = 2.287 \times 10^{-5}$$

$$k/b = 2.748 \times 10^{-5} \text{ day}^{-1}$$

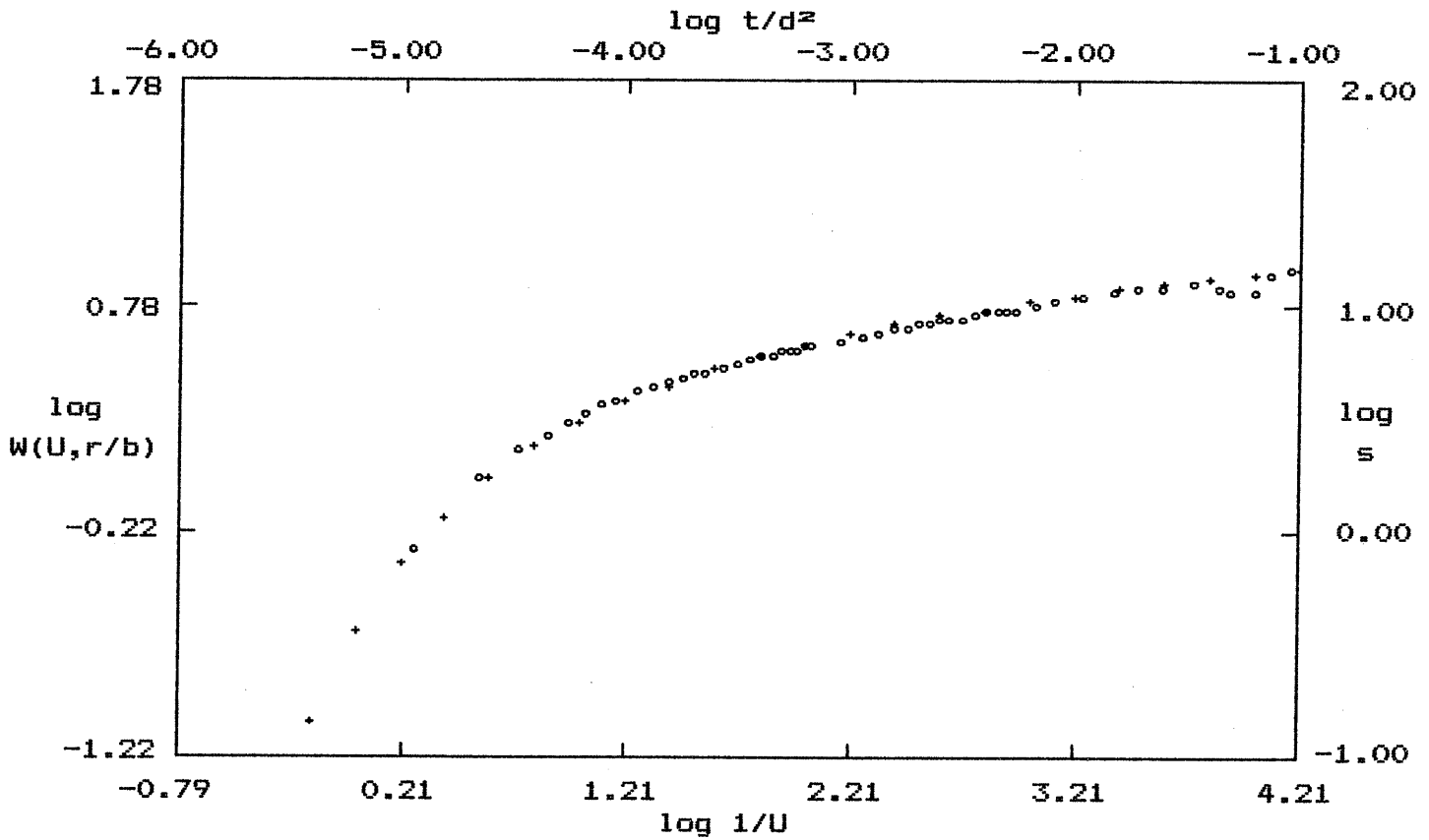
SENSITIVITY ANALYSIS

TWO STANDARD DEVIATION CONFIDENCE INTERVALS

PARAMETER	VALUE	LOWER LIMIT	UPPER LIMIT
TRANSMISS	2065.	2064.	2065.
STORTIVTY	.2287E-04	0.5556E-05	0.4019E-04
SPEC_LEAK	.2750E-04	0.0000	0.6903E-04

TO CONTINUE ENTER "RETURN"

PUMP TEST DATA



o - Data

+ - Type Curve

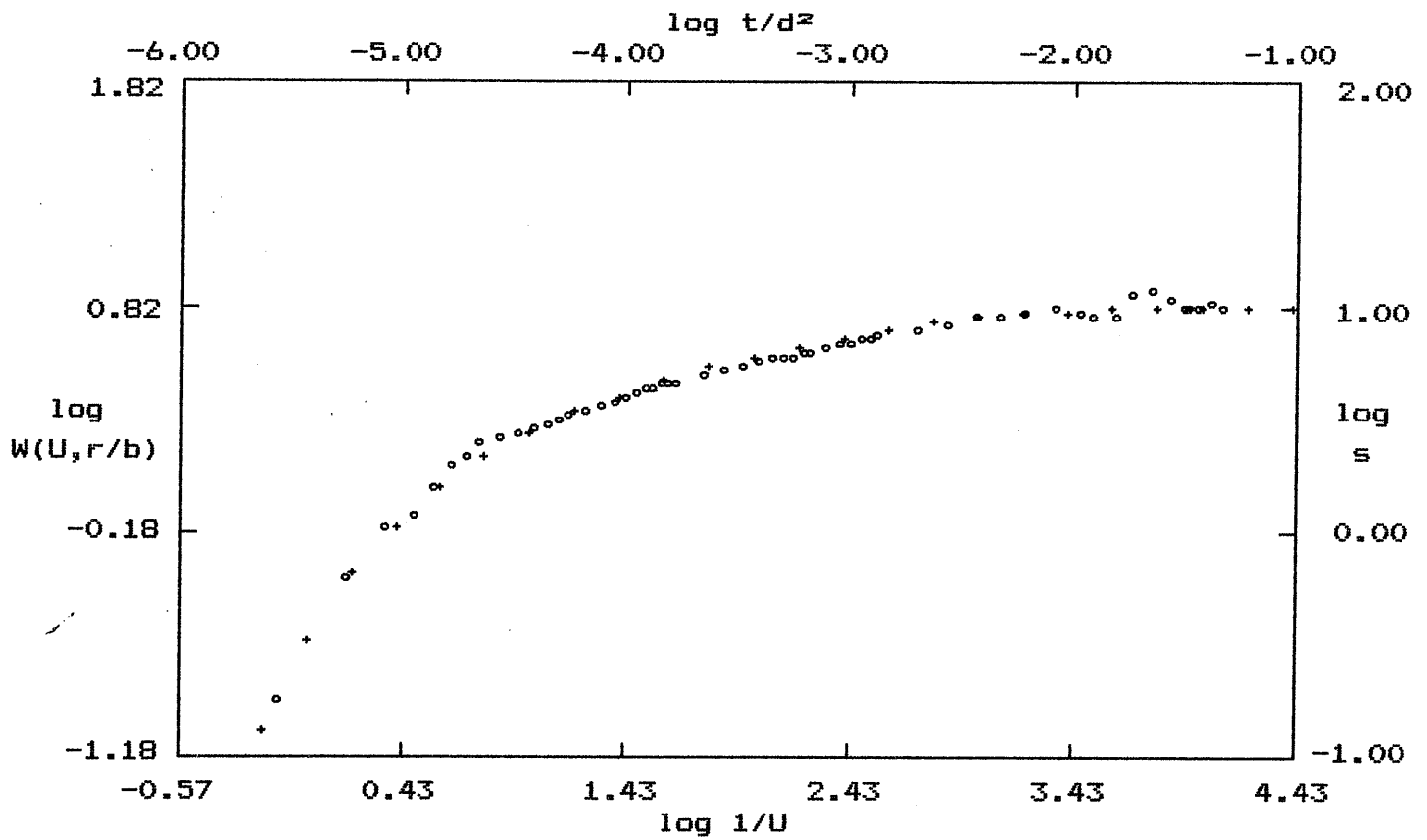
Confined Leaky: $r/B = 0.01$

SOLUTION

Transmissivity = $1.282E+00$ ft.²/min. = 13,809 gpd/ft
 Storativity = $3.162E-05$

David Lee Well 1

PUMP TEST DATA



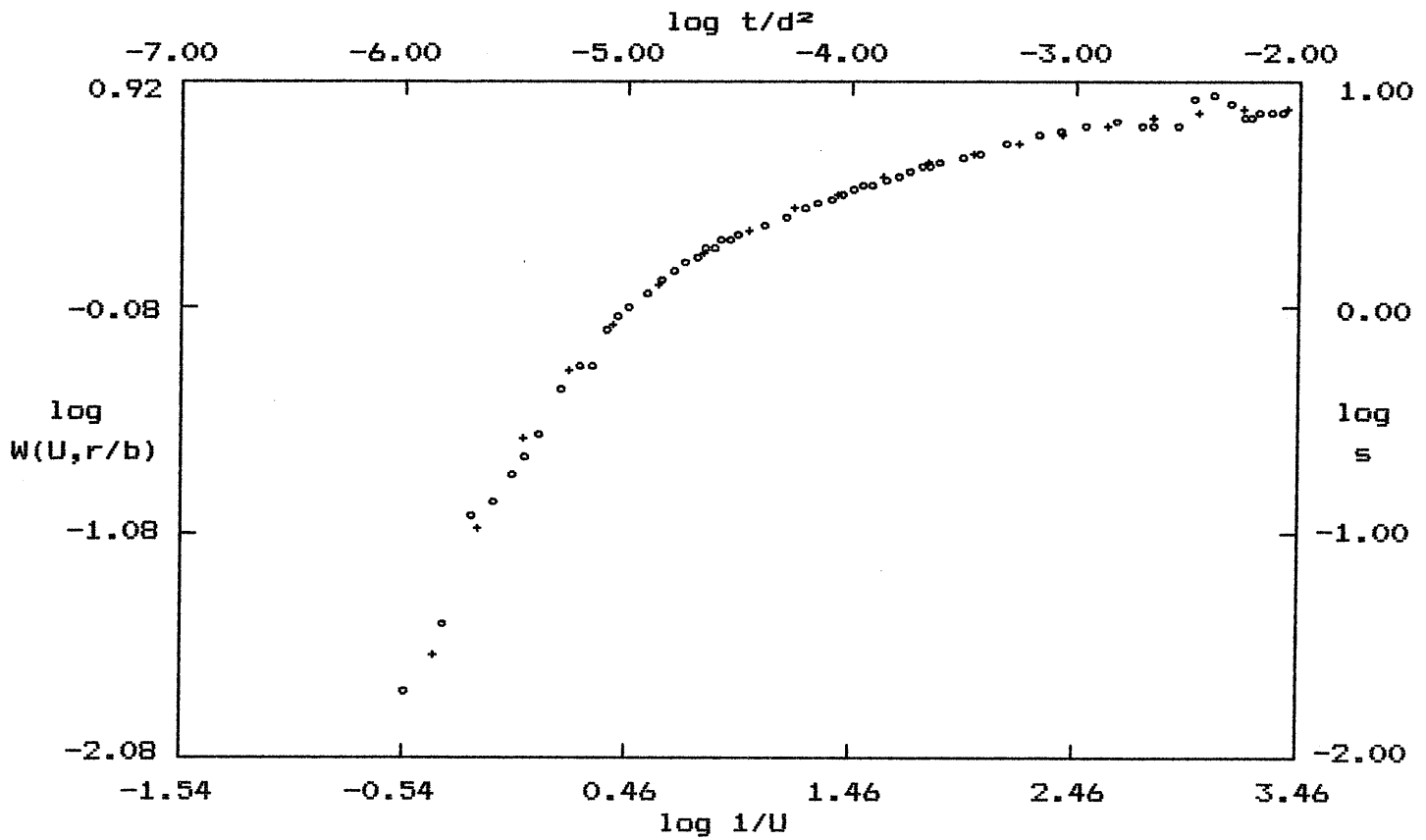
o - Data
 + - Type Curve
 Confined Leaky: $r/B = 0.04$

SOLUTION

Transmissivity = $1.406E+00$ ft.²/min. = 15,144 gpd/ft.
 Storativity = $2.089E-05$

David Lee Wellz

PUMP TEST DATA



o - Data

+ - Type Curve

Confined Leaky: $r/B = 0.04$

SOLUTION

Transmissivity = $1.770E+00$ ft.²/min. $\approx 19,065$ gal/ft
 Storativity = $2.454E-05$

David Lee Well 3
