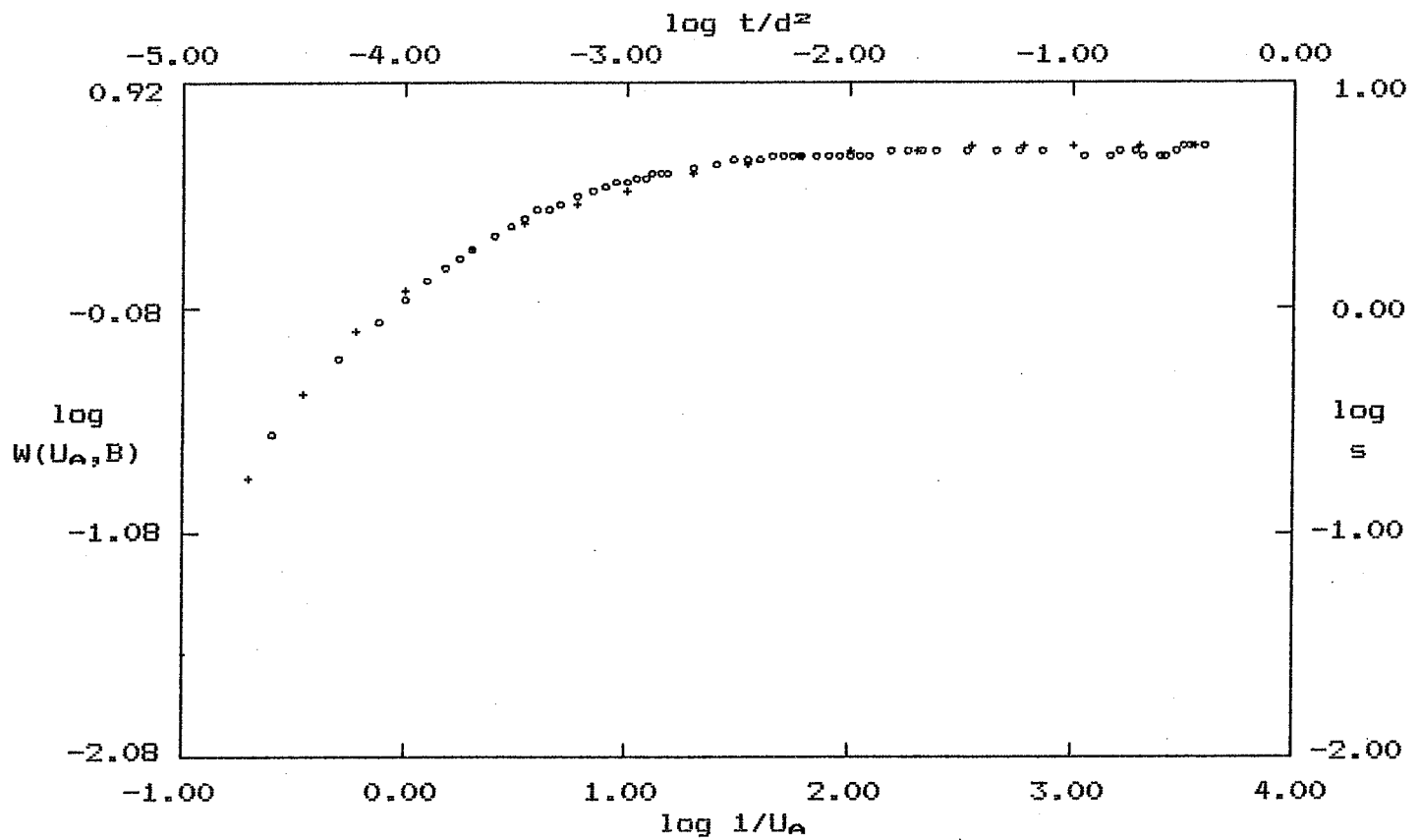


PUMP TEST DATA



o - Data

+ - Type Curve

Unconfined Elastic: $\beta = 0.004$

SOLUTION

Transmissivity = $1.593E+00$ ft.²/min. =

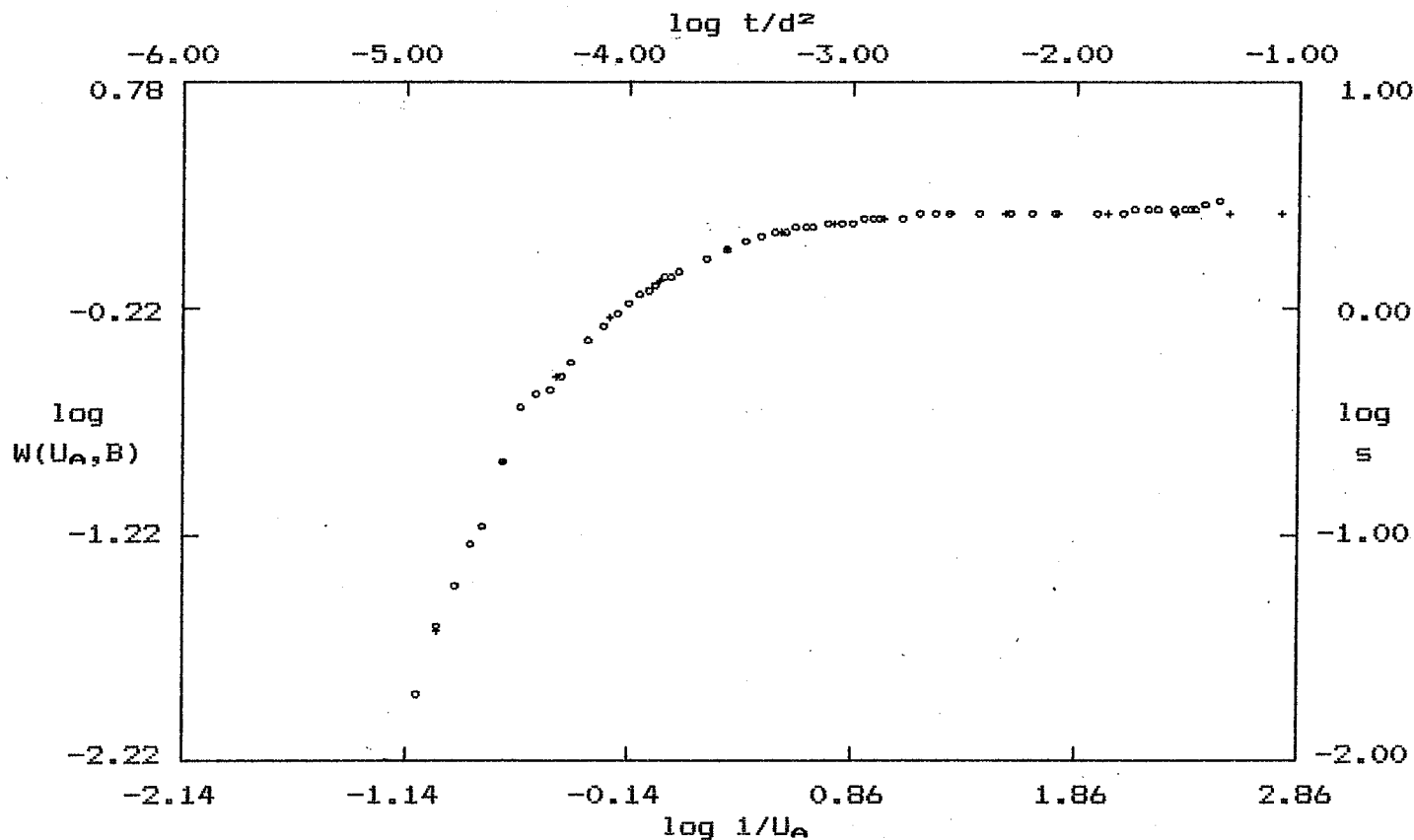
Storativity = $1.593E-04$

17,158 gpd/ft

Allen-Gould OBS1

Early Time

PUMP TEST DATA



o - Data

+ - Type Curve

Unconfined Elastic: $\beta = 0.10$

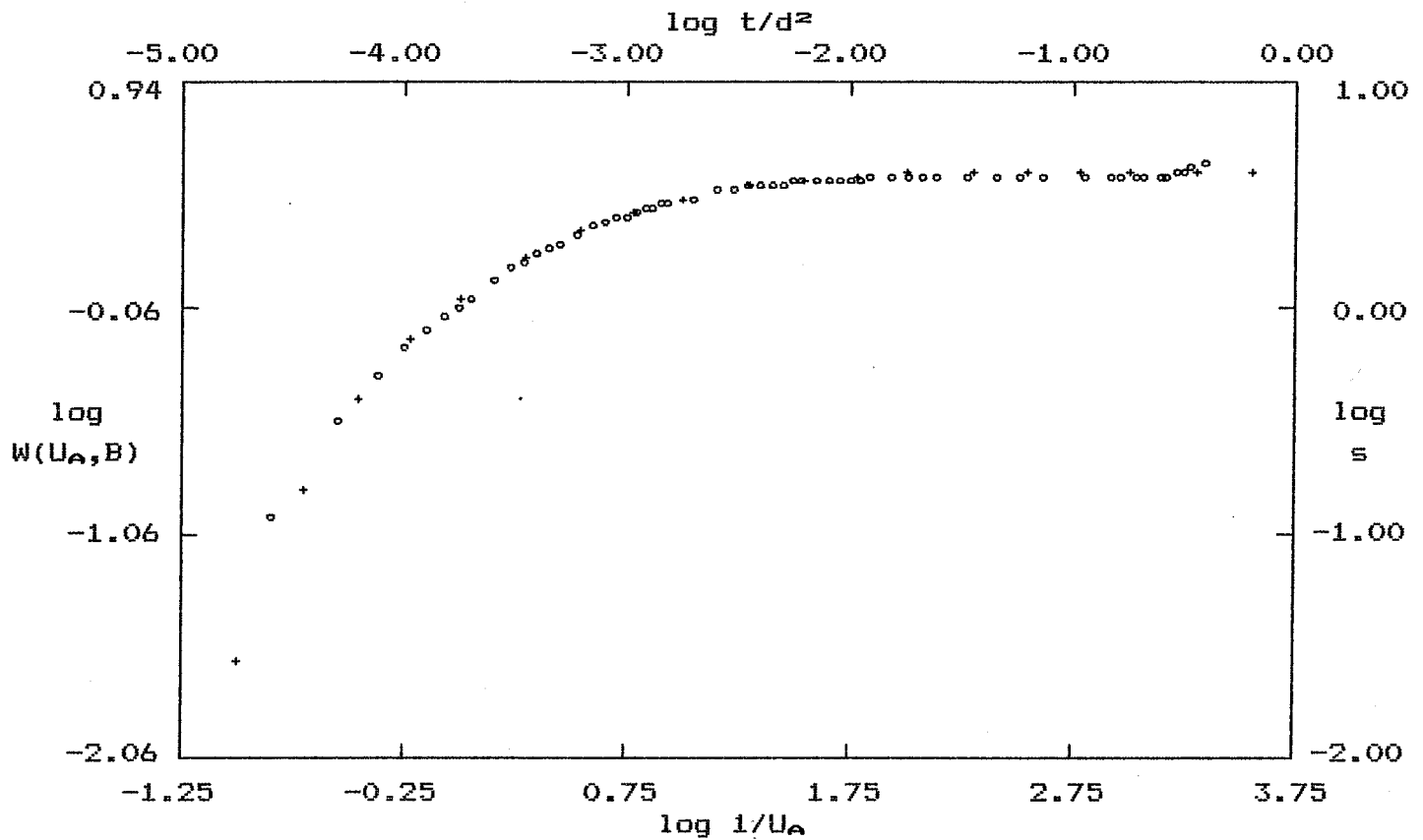
SOLUTION

Transmissivity = $1.154E+00$ ft.²/min. = 12,430 gpd/ft
 Storativity = $1.593E-04$

Alfonso Gould OBS 2

Early Transit

PUMP TEST DATA



o - Data

+ - Type Curve

Unconfined Elastic: $\beta = 0.01$

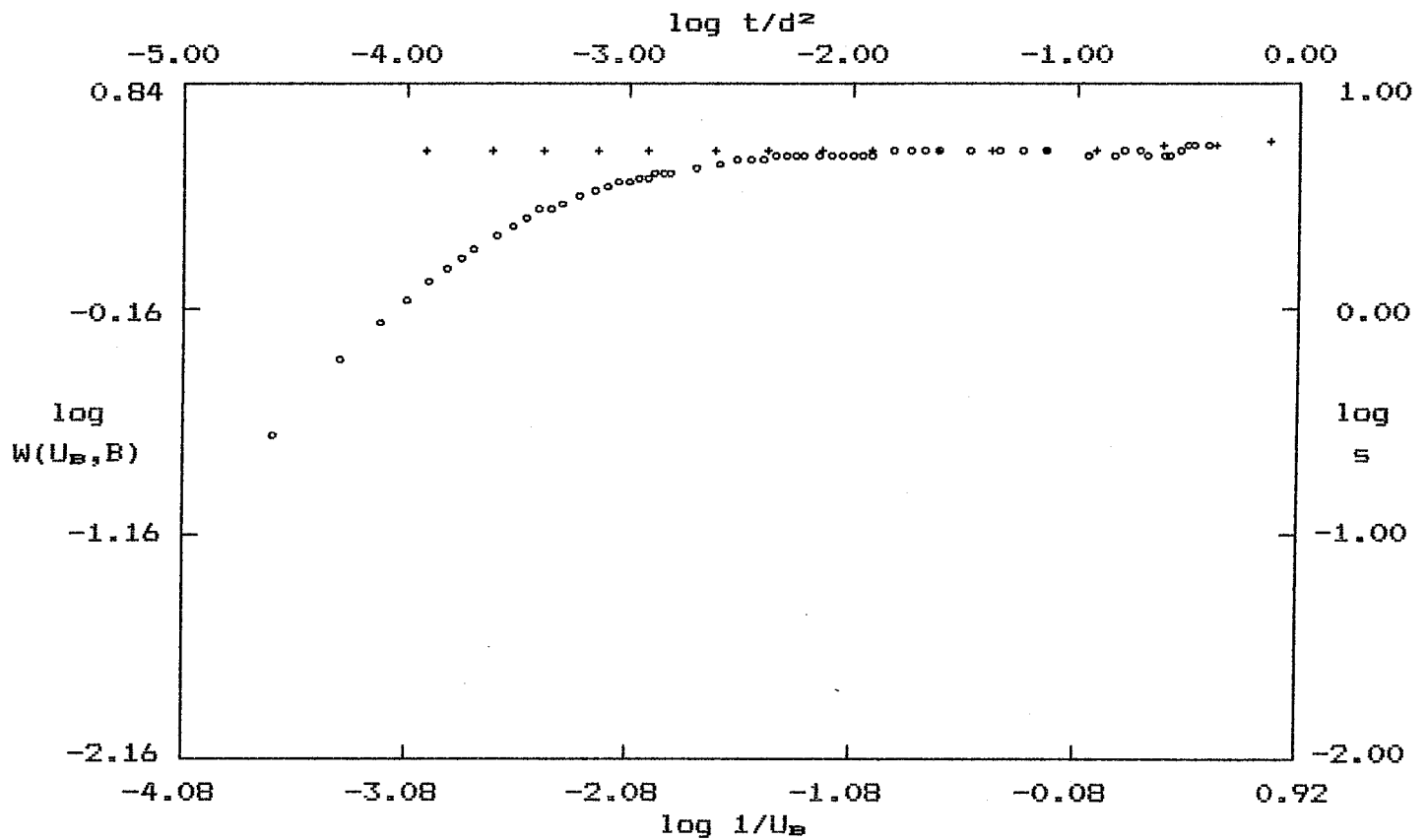
SOLUTION

Transmissivity = $1.668E+00$ ft.²/min. = 17,966 gpd/ft
 Storativity = $2.966E-04$

Alban Gould OBS 3

Carly T. mil

PUMP TEST DATA



o - Data

+ - Type Curve

Unconfined Delayed: $\beta = 0.01$

SOLUTION

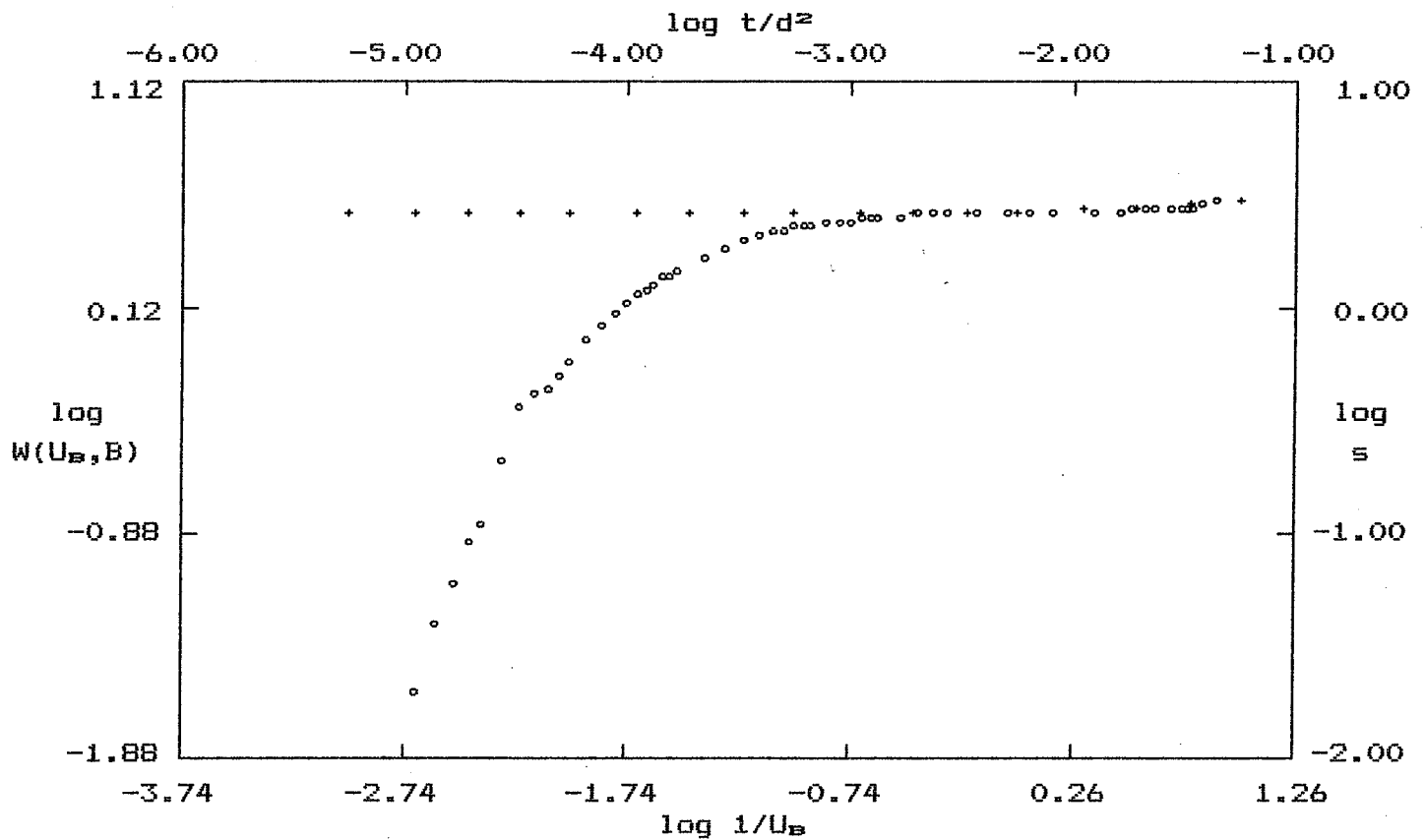
Transmissivity = $1.325E+00$ ft.²/min. $\approx 14,272$ gpd/ft

Specific Yield = $1.593E-01$

Albin Sudd Ob1

Delayed Yield

PUMP TEST DATA



o - Data

+ - Type Curve

Unconfined Delayed: $\beta = 0.01$

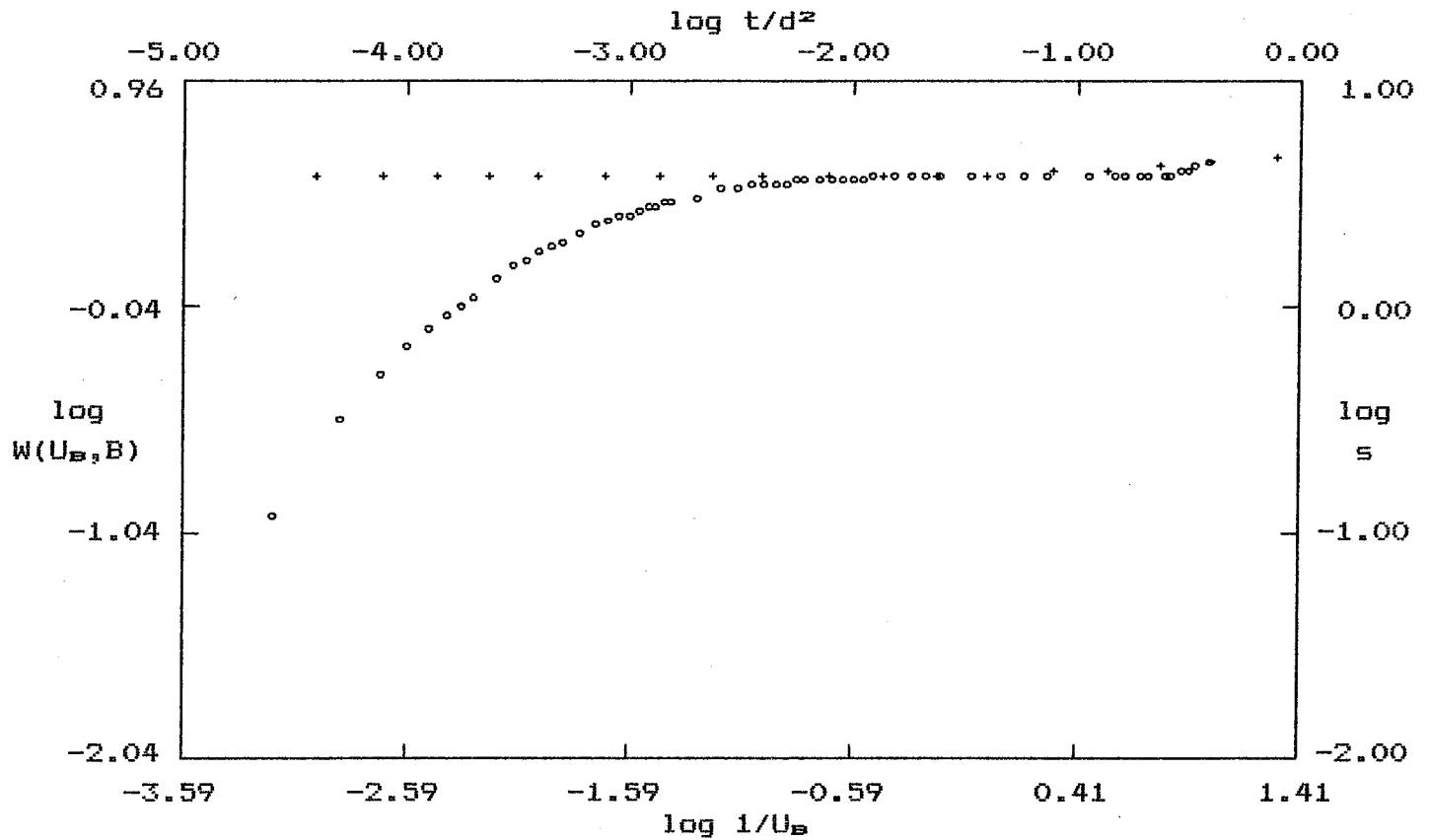
SOLUTION

Transmissivity = $2.524E+00$ ft.²/min. = 27,187 yd²/ft
 Specific Yield = $1.387E-02$

Alben-Gould Obs 2

Delayed Yield

PUMP TEST DATA



o - Data

+ - Type Curve

Unconfined Delayed: $\beta = 0.01$

SOLUTION

Transmissivity = $1.746E+00$ ft.²/min. = 18,807 gpd/ft
 Specific Yield = $6.794E-02$

Allen - Smith Obs 3

Delayed Yield

OPTIMIZATION BY LEVENBERG-MARQUARDT MINIMIZATION ALGORITHM

ITER	FUNCTION	TRANSMISS	STORTIVITY
1	.909	6123.	.3596E-04
3	.359	6388.	.5339E-05
5	.356	6235.	.5604E-05
6	.356	6278.	.5523E-05

TERMINATION DUE TO PARAMETER CONVERGENCE

FINAL RESULTS

ITER	FUNCTION	TRANSMISS	STORTIVITY
6	.356	6266.	.5544E-05

FRACTIONAL COMPONENTS OF FUNCTION VALUE

WELL #	1	2	3
	1.000	.0000	.0000

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

Alban Gould OBS 1
One Print Correction made
T = 46,870 gpd/ft
S = 5.54 x 10⁻⁶

SENSITIVITY ANALYSIS

TWO STANDARD DEVIATION CONFIDENCE INTERVALS

PARAMETER	VALUE	LOWER LIMIT	UPPER LIMIT
TRANSMISS	6266.	6266.	6267.
STORTIVITY	.5544E-05	0.0000	0.2376E-04

TO CONTINUE ENTER "RETURN"

OPTIMIZATION BY LEVENBERG-MARQUARDT MINIMIZATION ALGORITHM

ITER	FUNCTION	TRANSMISS	STORTIVTY
1	1.70	6266.	.5544E-05
3	.138	7665.	.3735E-04
5	.127	7445.	.5690E-04
6	.127	7555.	.5443E-04

TERMINATION DUE TO PARAMETER CONVERGENCE

FINAL RESULTS

ITER	FUNCTION	TRANSMISS	STORTIVTY
6	.127	7517.	.5494E-04

FRACTIONAL COMPONENTS OF FUNCTION VALUE

WELL #	1	2	3
	.0000	1.000	.0000

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

Alban-Gould OBSZ

Dr. Paul Corstius made

T = 56, 227 gpd/ft

S = 5.49 x 10⁻⁵

SENSITIVITY ANALYSIS

TWO STANDARD DEVIATION CONFIDENCE INTERVALS

PARAMETER	VALUE	LOWER LIMIT	UPPER LIMIT
TRANSMISS	7517.	7510.	7524.
STORTIVTY	.5494E-04	0.0000	0.2786E-03

TO CONTINUE ENTER "RETURN"

OPTIMIZATION BY LEVENBERG-MARQUARDT MINIMIZATION ALGORITHM

ITER	FUNCTION	TRANSMISS	STORTIVTY
1	.362	7517.	.5494E-04
3	.208	6961.	.2716E-04
5	.206	7078.	.2836E-04

TERMINATION DUE TO PARAMETER CONVERGENCE

FINAL RESULTS

ITER	FUNCTION	TRANSMISS	STORTIVTY
5	.206	7050.	.2852E-04

FRACTIONAL COMPONENTS OF FUNCTION VALUE

WELL #	1	2	3
	.0000	.0000	1.000

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

Alban. Gould OBS3
On Print Correction Made

T = 52,734 gpd/ft

S = 2.85 x 10⁻⁵

SENSITIVITY ANALYSIS

TWO STANDARD DEVIATION CONFIDENCE INTERVALS

PARAMETER	VALUE	LOWER LIMIT	UPPER LIMIT
TRANSMISS	7050.	7046.	7053.
STORTIVTY	.2852E-04	0.0000	0.1340E-03

TO CONTINUE ENTER "RETURN"

OPTIMIZATION BY LEVENBERG-MARQUARDT MINIMIZATION ALGORITHM

ITER	FUNCTION	TRANSMISS	STORTIVTY
1	1.85	7050.	.2852E-04
3	1.64	5820.	.4014E-04
5	1.62	6209.	.3528E-04
7	1.61	6106.	.3614E-04

TERMINATION DUE TO PARAMETER CONVERGENCE

FINAL RESULTS

ITER	FUNCTION	TRANSMISS	STORTIVTY
7	1.61	6135.	.3586E-04

FRACTIONAL COMPONENTS OF FUNCTION VALUE

WELL #	1	2	3
	.5583	.2527	.1890

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

SENSITIVITY ANALYSIS

TWO STANDARD DEVIATION CONFIDENCE INTERVALS

PARAMETER	VALUE	LOWER LIMIT	UPPER LIMIT
TRANSMISS	6135.	6133.	6137.
STORTIVTY	.3586E-04	0.0000	0.1027E-03

TO CONTINUE ENTER "RETURN"

Alban- Gould - all Wells
Da Print correction made

T = 45,890 gpd/ft

S = 3.58 x 10⁻⁵