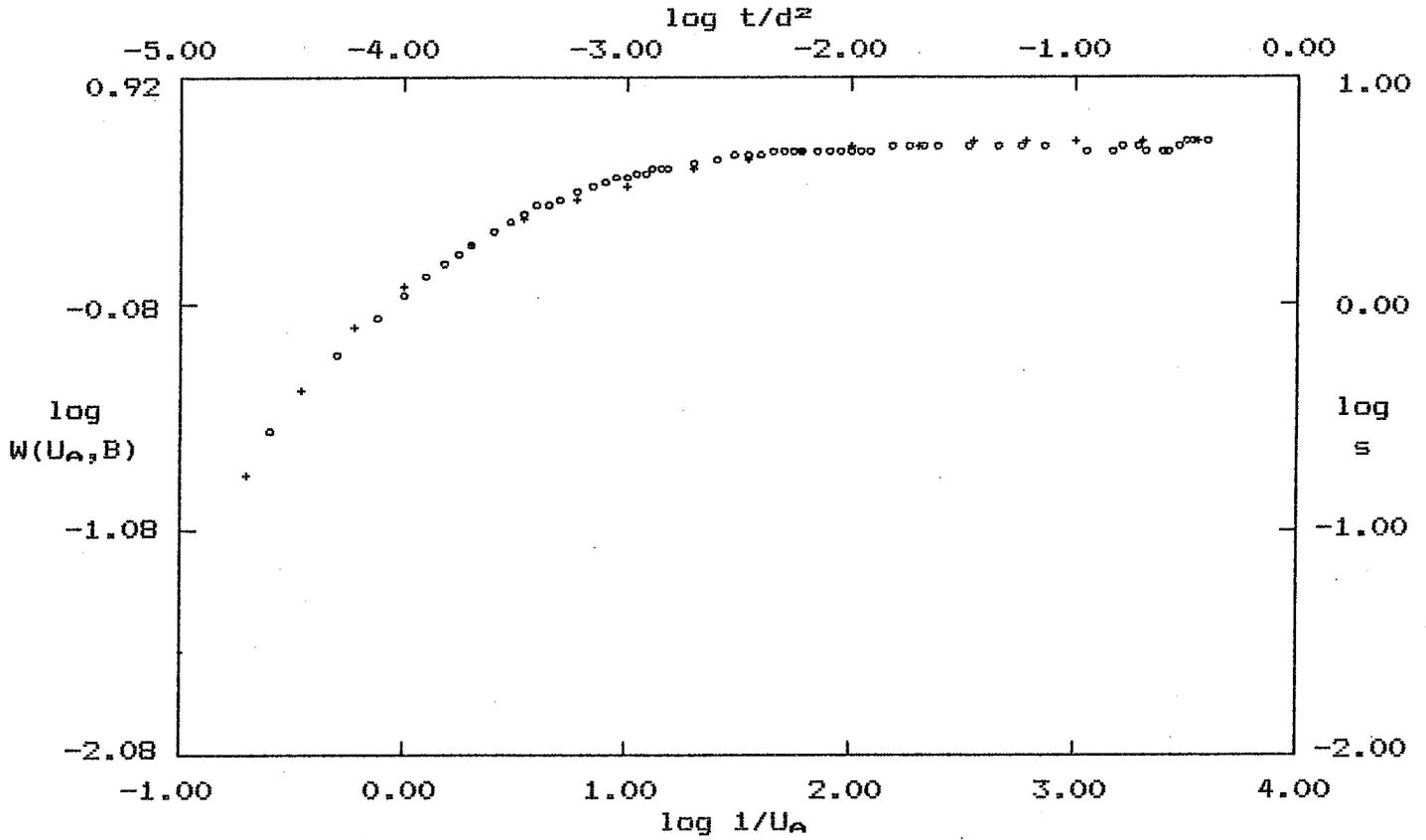


PUMP TEST DATA



o - Data

+ - Type Curve

Unconfined Elastic: $\beta = 0.004$

SOLUTION

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

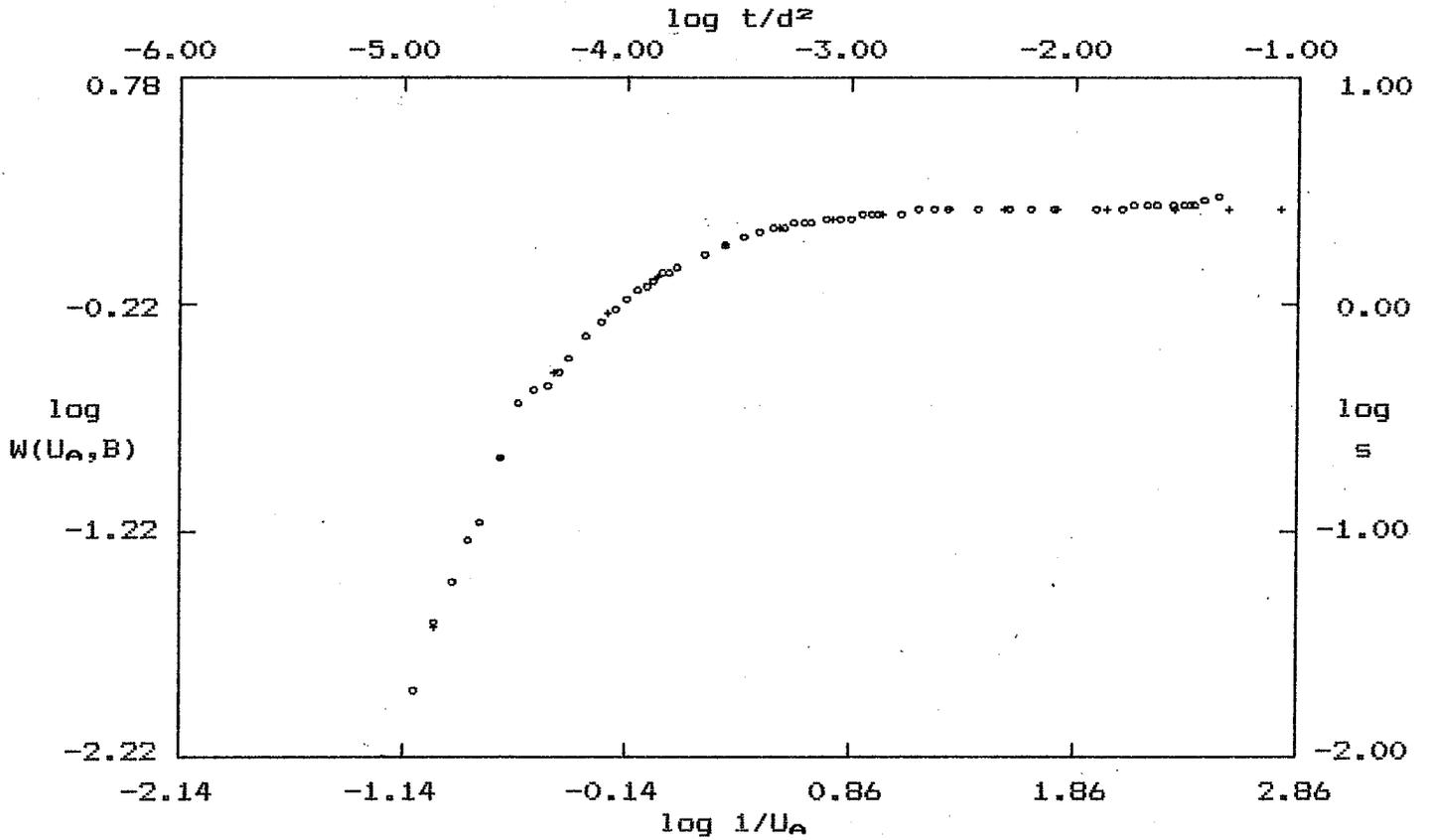
Storativity = $1.593E-04$

17,158 gpd/ft

Allen-Gould OBS1

Carly Tind

PUMP TEST DATA



o - Data

+ - Type Curve

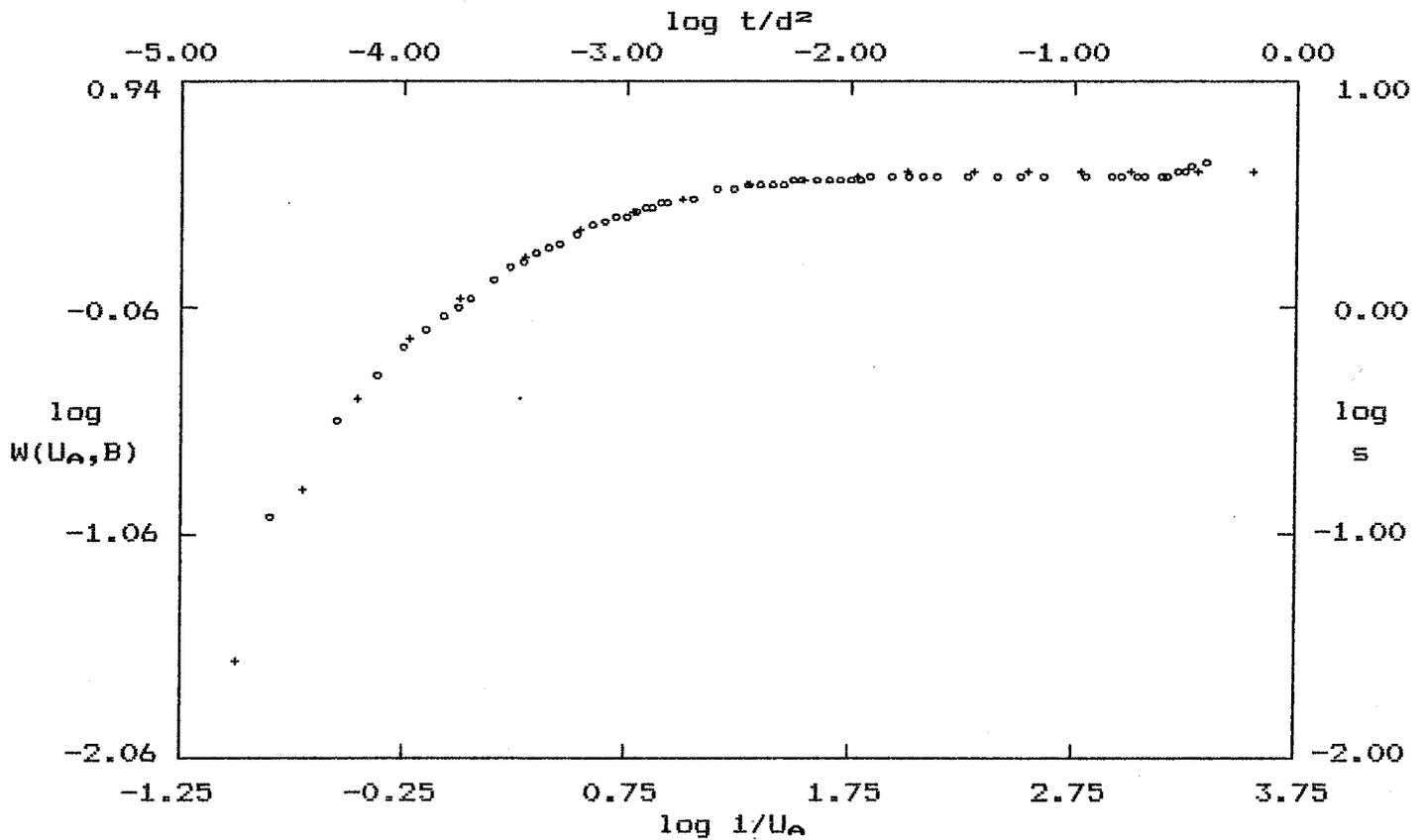
Unconfined Elastic: beta = 0.10

SOLUTION

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

Alban-Soult ORS 2
Early Transit

PUMP TEST DATA



o - Data

+ - Type Curve

Unconfined Elastic: beta = 0.01

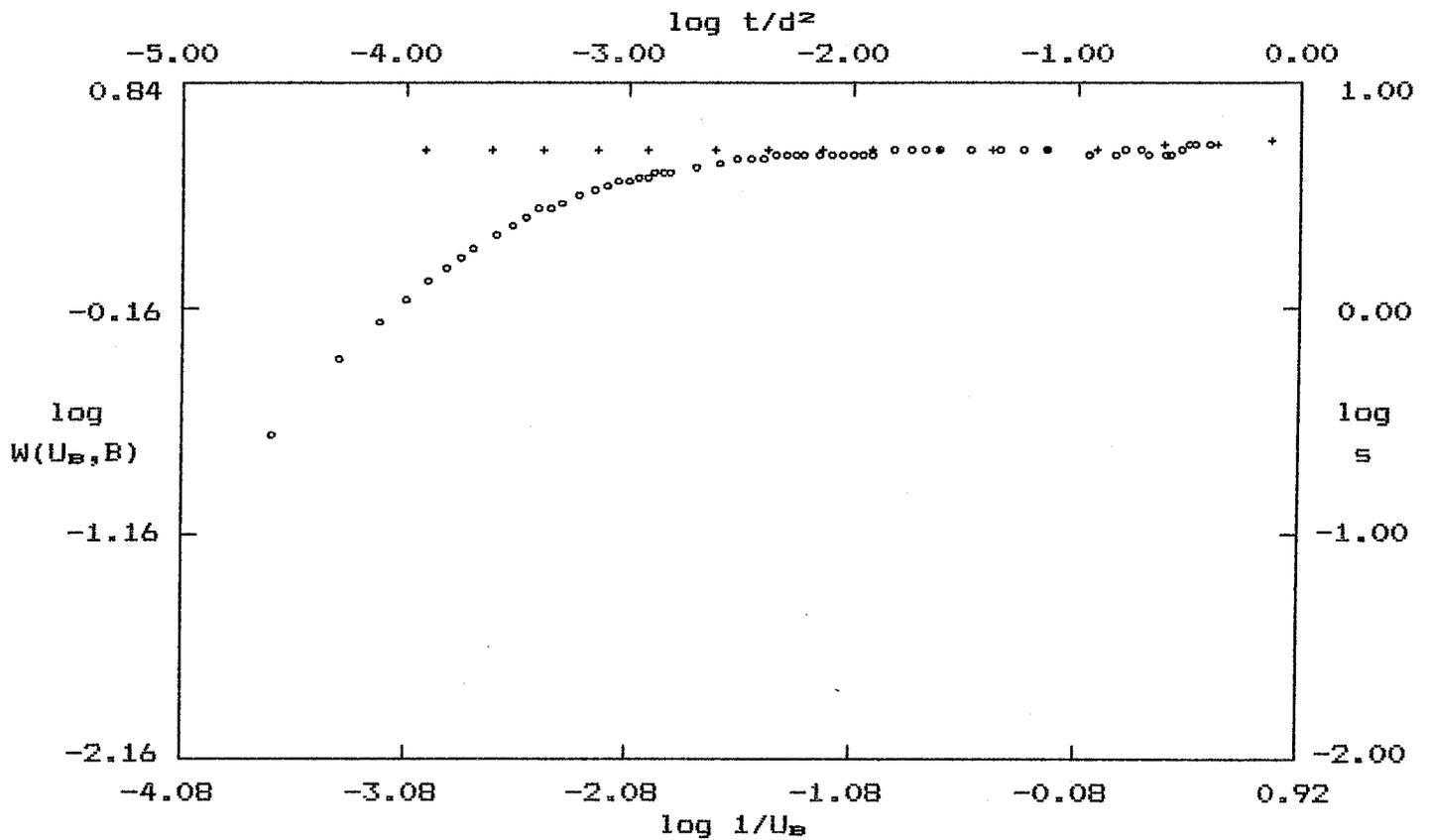
SOLUTION

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

Alban Gould OBS 3

Carly T. mid

PUMP TEST DATA



o - Data

+ - Type Curve

Unconfined Delayed: beta = 0.01

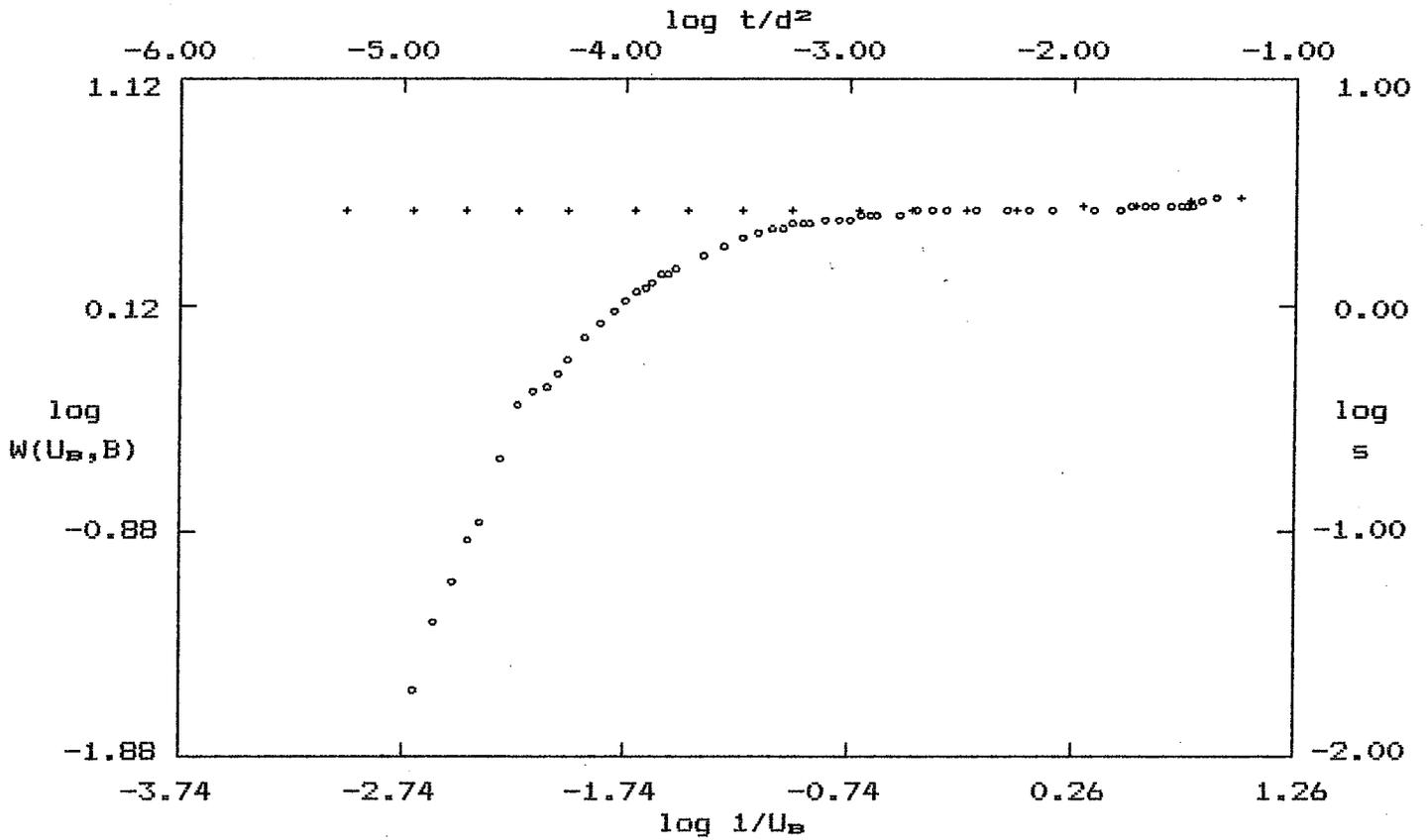
SOLUTION

Transmissivity = $1.325E+00$ ft.²/min. = 14, 272 gpd/ft
 Specific Yield = $1.593E-01$

Albin Sudd 061

Delayed Yield

PUMP TEST DATA



o - Data

+ - Type Curve

Unconfined Delayed: beta = 0.01

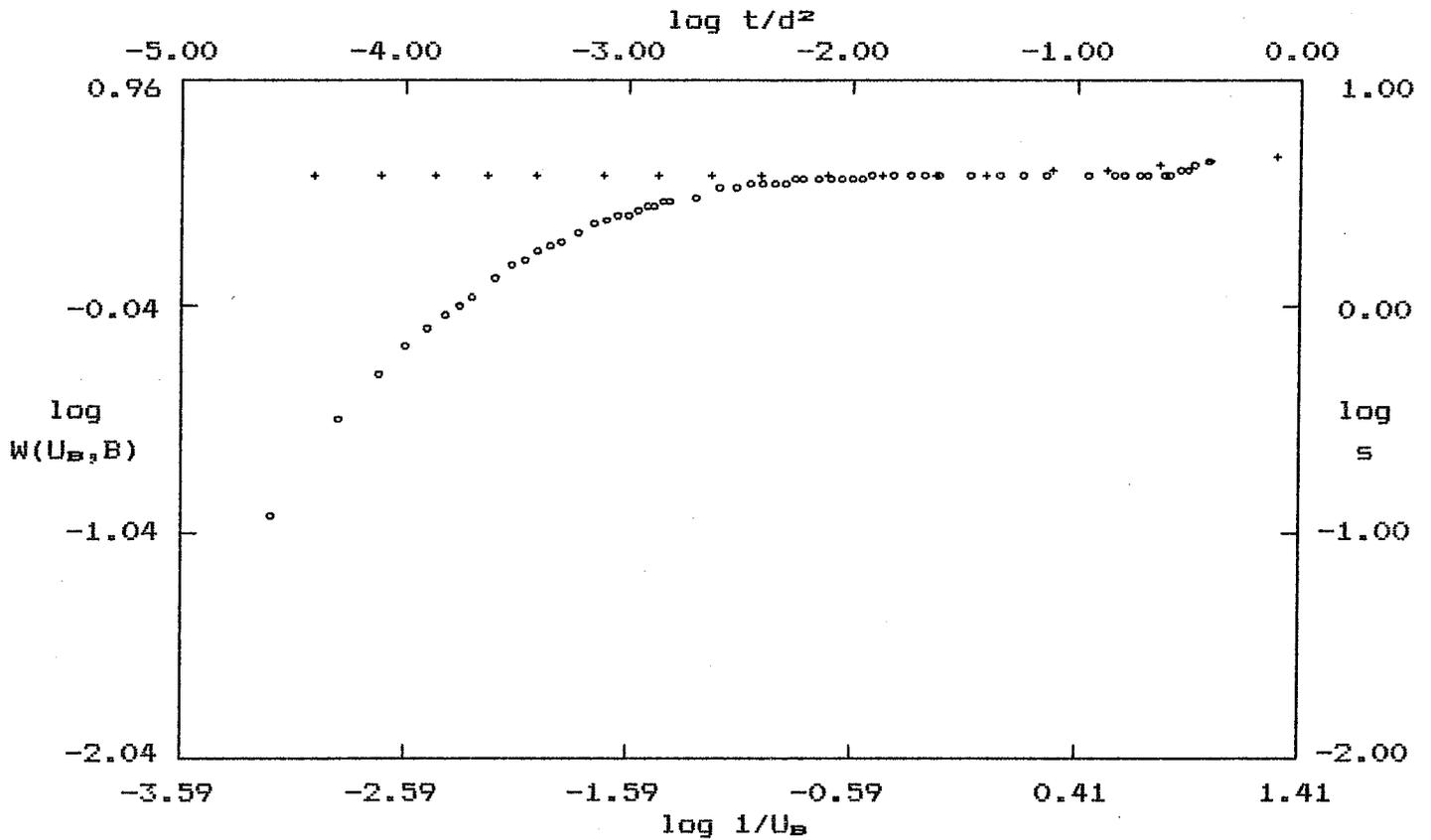
SOLUTION

Transmissivity = $2.524E+00$ ft.²/min. = *27, 187 gal/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 | STORTIVTY |
|------|----------|-----------|-----------|
| 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 | STORTIVTY |
|------|----------|-----------|-----------|
| 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)

Alan Gould OBS 1

On 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. |
| STORTIVTY | .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

Da Puit correction 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

Dr Point 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 | STORTIVITY |
|------|----------|-----------|------------|
| 1 | 1.85 | 7050. | .2852E-04 |
| 3 | 1.64 | 5820. | .4014E-04 |
| 5 | 1.62 | 6209. | .3528E-04 |
| 7 | 1.61 | 6106. | .3614E-04 |

Alban-Gould - all Wells
 Wa Print correction made

TERMINATION DUE TO PARAMETER CONVERGENCE

FINAL RESULTS

| ITER | FUNCTION | TRANSMISS | STORTIVITY |
|------|----------|-----------|------------|
| 7 | 1.61 | 6135. | .3586E-04 |

$T = 45,870 \text{ gpd/ft}$

FRACTIONAL COMPONENTS OF FUNCTION VALUE

| WELL # | 1 | 2 | 3 |
|--------|-------|-------|-------|
| | .5583 | .2527 | .1890 |

$S = 3.58 \times 10^{-5}$

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. |
| STORTIVITY | .3586E-04 | 0.0000 | 0.1027E-03 |

TO CONTINUE ENTER "RETURN"