# APPENDIX H
# HYDRAULIC CONDUCTIVITY SUMMARY TABLE AND ANALYSIS

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Appendix H
Hydraulic Conductivity Output Summary Table

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

| Well | Direction of Recovery and Order of Test | Monitored Hydrostratigraphic Unit | Depth to Screen from measuring point (ft btor) | | Initial Depth to Water (ft btor) | H(0) Initial Displacement (ft) | Well Screen Fully Submerged Y/N | y0 (ft) Bouwer-Rice | Calculated K (cm/sec) | | Average K (cm/sec) | Average K (ft/day) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Top | Bottom | | | | | Bouwer-Rice | KGS | | |
| AA20MW-02 | Rising 1 | Overburden | 15 | 25 | 22.72 | 0.487 | N | 0.4662 | 4.04E-03 | 1.63E-03 | 3.1E-03 | 8.77 |
| | Rising 2 | Overburden | 15 | 25 | 22.72 | 0.497 | N | 0.4941 | 5.93E-03 | 2.35E-03 | | |
| BW01005 | Rising 1 | Bedrock | 55 | 65 | 22.47 | 2.31 | Y | 2.374 | 3.03E-04 | 3.35E-04 | 3.2E-04 | 0.90 |
| BW01008 | Falling 1 | Bedrock | 68.00 | 78.00 | 17.91 | 1.503 | Y | 1.535 | 1.95E-03 | 2.04E-03 | 2.1E-03 | 5.96 |
| | Rising 1 | Bedrock | 68.00 | 78.00 | 18.18 | 1.712 | Y | 1.709 | 2.15E-03 | 2.28E-03 | | |
| BW01009 | Falling 1 | Bedrock | 65.00 | 75.00 | 19.77 | 1.398 | Y | 1.39 | 9.40E-04 | 9.90E-04 | 7.8E-04 | 2.21 |
| | Rising 1 | Bedrock | 65.00 | 75.00 | 19.77 | 0.949 | Y | 0.9328 | 6.12E-04 | 6.45E-04 | | |
| BW05006 | Falling 1 | Bedrock | 62.00 | 72.00 | 15.10 | 1.89 | Y | 1.887 | 6.82E-04 | 7.26E-04 | 6.9E-04 | 1.96 |
| | Rising 1 | Bedrock | 62.00 | 72.00 | 15.11 | 2.026 | Y | 2.003 | 6.66E-04 | 6.97E-04 | | |
| BW05009 | Falling 1 | Bedrock | 76.00 | 86.00 | 14.32 | 1.83 | Y | 2.579 | 6.14E-04 | 4.76E-04 | 4.9E-04 | 1.39 |
| | Rising 1 | Bedrock | 76.00 | 86.00 | 14.32 | 2.12 | Y | 2.03 | 4.39E-04 | 4.53E-04 | | |
| BW06006 | Falling 1 | Bedrock | 63.00 | 73.00 | 34.78 | 1.759 | Y | 1.409 | 1.54E-03 | 1.85E-03 | 1.8E-03 | 5.00 |
| | Rising 1 | Bedrock | 63.00 | 73.00 | 34.78 | 2.403 | Y | 1.77 | 1.82E-03 | 1.88E-03 | | |
| BW06008 | Falling 1 | Bedrock | 50.00 | 60.00 | 10.75 | 1.74 | Y | 1.762 | 2.42E-03 | 2.57E-03 | 2.7E-03 | 7.76 |
| | Rising 1 | Bedrock | 50.00 | 60.00 | 10.74 | 2.36 | Y | 2.295 | 2.85E-03 | 3.17E-03 | | |
| BW07001 | Falling 1 | Bedrock | 47.00 | 57.00 | 25.19 | 2.43 | Y | 1.723 | 1.10E-02 | 1.54E-02 | 1.2E-02 | 32.73 |
| | Rising 1 | Bedrock | 47.00 | 57.00 | 25.19 | 1.77 | Y | 1.83 | 9.91E-03 | 1.06E-02 | | |
| BW12006 | Falling 1 | Bedrock | 54.00 | 64.00 | 13.82 | 2.12 | Y | 2.347 | 9.88E-04 | 9.82E-04 | 9.1E-04 | 2.58 |
| | Rising 1 | Bedrock | 54.00 | 64.00 | 13.79 | 2.58 | Y | 2.395 | 8.54E-04 | 8.25E-04 | | |
| JBW7326A | Falling 1 | Bedrock | 85.00 | 95.00 | 4.74 | 1.53 | Y | 1.667 | 4.20E-03 | 3.77E-03 | 3.7E-03 | 10.43 |
| | Rising 1 | Bedrock | 85.00 | 95.00 | 4.74 | 1.95 | Y | 1.877 | 3.34E-03 | 3.47E-03 | | |
| JBW7326B | Falling 1 | Bedrock | 37.00 | 47.00 | 4.09 | 1.36 | Y | 1.721 | 7.46E-03 | 6.83E-03 | 6.3E-03 | 17.88 |
| | Rising 1 | Bedrock | 37.00 | 47.00 | 4.09 | 1.88 | Y | 1.89 | 5.35E-03 | 5.81E-03 | | |
| JBW7734 | Falling 1 | Bedrock | 45.00 | 55.00 | 17.76 | 1.97 | Y | - | - | 1.87E-03 | 1.9E-03 | 5.41 |
| | Rising 1 | Bedrock | 45.00 | 55.00 | 17.74 | 2.35 | Y | 2.372 | 1.84E-03 | 2.02E-03 | | |
| JBW7737B | Falling 1 | Bedrock | 30.00 | 40.00 | 12.18 | 1.97 | Y | 2.187 | 1.14E-03 | 1.15E-03 | 1.2E-03 | 3.26 |
| | Rising 1 | Bedrock | 30.00 | 40.00 | 12.73 | 2.31 | Y | 2.871 | 1.18E-03 | 1.14E-03 | | |
| JBW7738A | Falling 1 | Bedrock | 91.00 | 101.00 | 5.31 | 1.4 | Y | 1.194 | 2.18E-03 | 2.15E-03 | 1.8E-03 | 5.00 |
| | Rising 1 | Bedrock | 91.00 | 101.00 | 5.26 | 2.26 | Y | 1.444 | 2.20E-03 | 9.36E-04 | | |
| JBW7738B | Falling 1 | Bedrock | 62.00 | 72.00 | 5.85 | 1.73 | Y | 1.487 | 5.11E-04 | 5.21E-04 | 4.6E-04 | 1.29 |
| | Rising 1 | Bedrock | 62.00 | 72.00 | 5.80 | 2.17 | Y | 1.744 | 4.22E-04 | 3.85E-04 | | |
| JBW8003B | Falling 1 | Bedrock | 70.00 | 80.00 | 19.98 | 0.96 | Y | 0.9047 | 1.15E-03 | 1.17E-03 | 1.2E-03 | 3.31 |
| | Rising 1 | Bedrock | 70.00 | 80.00 | 19.98 | 2.32 | Y | 2.22 | 1.17E-03 | 1.18E-03 | | |
| JMW0683 | Falling 1 | Bedrock | 30.30 | 45.30 | 13.84 | 0.51 | Y | 0.4776 | 6.78E-04 | 7.68E-04 | 7.4E-04 | 2.10 |
| | Rising 1 | Bedrock | 30.30 | 45.30 | 13.83 | 0.56 | Y | 0.5232 | 7.24E-04 | 8.05E-04 | | |
| JPZ0348 | Falling 1 | Bedrock | 41.00 | 51.00 | 10.20 | 0.67 | Y | 0.6506 | 1.86E-02 | 1.78E-02 | 1.8E-02 | 50.21 |
| | Rising 1 | Bedrock | 41.00 | 51.00 | 10.25 | 2.07 | Y | 2.131 | 1.67E-02 | 1.77E-02 | | |



Prepared by: FD 7/15/2025
Checked by: MEG 10/22/2025

Appendix H
Hydraulic Conductivity Output Summary Table

PFAS CERCLA Remedial Investigation Site Characterization Summary Report
Former Loring Air Force Base
Limestone, ME

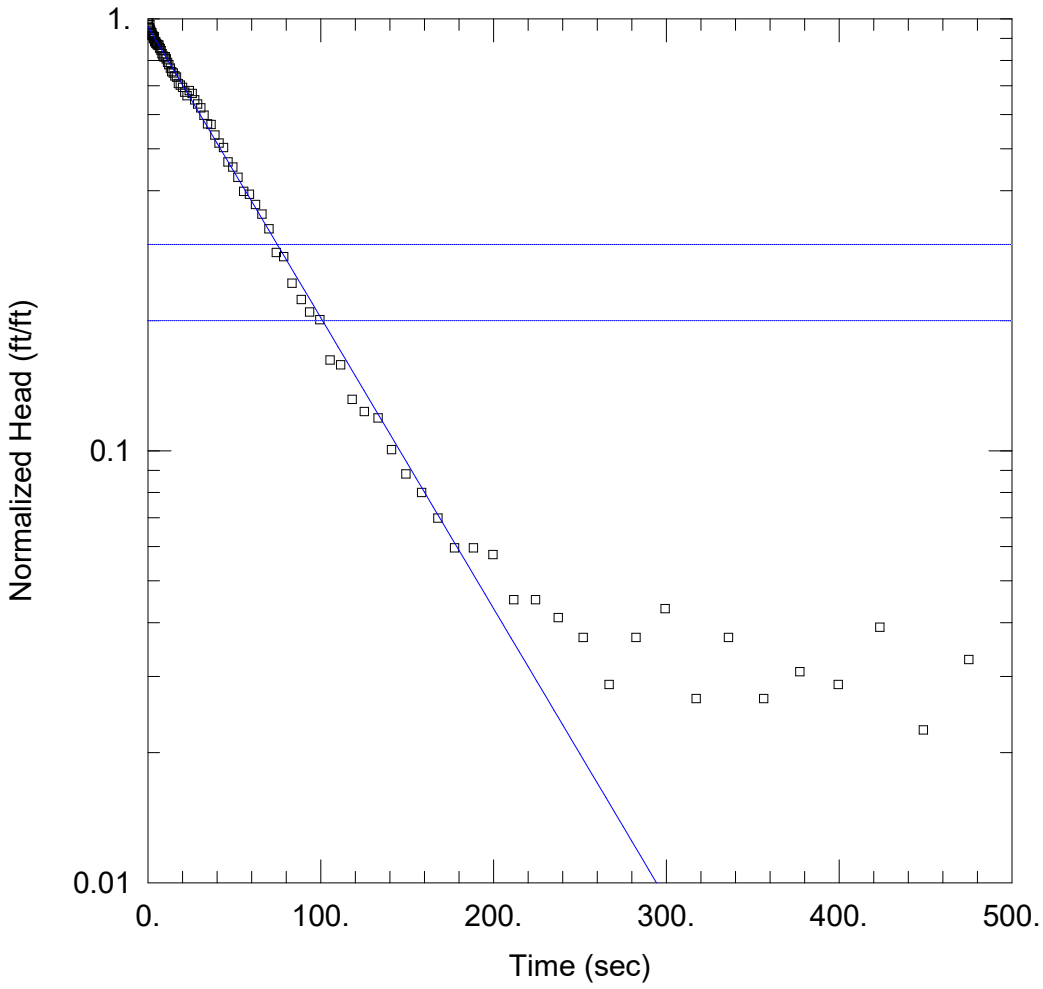
| Well | Direction of Recovery and Order of Test | Monitored Hydrostratigraphic Unit | Depth to Screen from measuring point (ft btor) | | Initial Depth to Water (ft btor) | H(0) Initial Displacement (ft) | Well Screen Fully Submerged Y/N | y0 (ft) Bouwer-Rice | Calculated K (cm/sec) | | Average K (cm/sec) | Average K (ft/day) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Top | Bottom | | | | | Bouwer-Rice | KGS | | |
| JPZ0686 | Falling 1 | Overburden | 20.00 | 30.00 | 19.07 | 1.96 | Y | 1.905 | 1.51E-03 | 1.72E-03 | 1.6E-03 | 4.61 |
| | Rising 1 | Overburden | 20.00 | 30.00 | 19.07 | 2.24 | Y | 2.018 | 1.53E-03 | 1.76E-03 | | |
| JPZ1780 | Rising 1 | Bedrock | 22.00 | 32.00 | 20.44 | 1.59 | Y | 1.587 | 9.39E-03 | 1.11E-02 | 1.0E-02 | 28.90 |
| OW01004 | Falling 1 | Overburden | 36.00 | 46.00 | 18.36 | 1.34 | Y | 1.288 | 4.79E-03 | 4.23E-03 | 5.3E-03 | 15.07 |
| | Rising 1 | Overburden | 36.00 | 46.00 | 18.36 | 2.08 | Y | 2.086 | 5.91E-03 | 6.68E-03 | | |
| OW05003 | Rising 1 | Overburden | 12.00 | 22.00 | 16.56 | 3.42 | N | 2.174 | 1.70E-01 | 1.07E-01 | 1.4E-01 | 383.60 |
| | Rising 2 | Overburden | 12.00 | 22.00 | 16.56 | 2.98 | N | 2.355 | 1.85E-01 | 9.95E-02 | | |
| OW07001 | Rising 1 | Overburden | 17.00 | 27.00 | 24.98 | 0.52 | N | 0.5991 | 2.09E-01 | 5.58E-02 | 1.1E-01 | 321.58 |
| | Rising 2 | Overburden | 17.00 | 27.00 | 24.98 | 0.57 | N | 0.5349 | 2.11E-01 | 6.73E-02 | | |
| OW08001 | Rising 1 | Overburden | 12.00 | 22.00 | 12.87 | 0.99 | N | 0.1495 | 2.27E-02 | 3.02E-02 | 2.5E-02 | 71.62 |
| | Rising 2 | Overburden | 12.00 | 22.00 | 12.87 | 1.02 | N | 0.1523 | 2.16E-02 | 2.75E-02 | | |
| OW12002 | Rising 1 | Hybrid | 10.00 | 20.00 | 14.33 | 1.44 | N | 1.566 | 1.25E-01 | 4.96E-02 | 8.1E-02 | 228.46 |
| | Rising 2 | Hybrid | 10.00 | 20.00 | 14.33 | 1.5 | N | 1.883 | 1.41E-01 | 4.82E-02 | | |
| OW20001 | Rising 1 | Hybrid | 24.00 | 34.00 | 6.16 | 2.39 | Y | 2.581 | 3.36E-02 | 3.36E-02 | 3.4E-02 | 95.19 |
| OW20003 | Falling 1 | Overburden | 25.00 | 35.00 | 6.16 | 1.87 | Y | 2.656 | 9.86E-03 | 7.97E-03 | 6.9E-03 | 19.69 |
| | Rising 1 | Overburden | 25.00 | 35.00 | 8.83 | 1.3 | Y | 1.253 | 5.66E-03 | 6.61E-03 | | |
| | Rising 2 | Overburden | 25.00 | 35.00 | 8.35 | 1.51 | Y | 1.377 | 5.70E-03 | 6.70E-03 | | |
| OW20005 | Rising 1 | Hybrid | 25 | 35 | 18.30 | 2.11 | Y | 1.581 | 1.62E-02 | 1.56E-02 | 1.6E-02 | 45.03 |
| SB/OW12001 | Rising 1 | Overburden | 11 | 21 | 16.13 | 1.3 | N | 1.652 | 9.53E-02 | 5.38E-02 | 7.1E-02 | 201.64 |
| | Rising 2 | Overburden | 11 | 21 | 16.13 | 1.39 | N | 1.37 | 8.46E-02 | 5.90E-02 | | |
| SB/OW16001 | Rising 1 | Overburden | 8 | 12 | 12.58 | 1.62 | N | 1.82 | 7.54E-03 | 4.61E-03 | 6.0E-03 | 17.09 |
| | Rising 2 | Overburden | 8 | 12 | 12.58 | 1.73 | N | 1.605 | 7.64E-03 | 4.98E-03 | | |

| | | | | | | | | Le (ft) | | Calculated K (cm/sec) | | Average K (cm/sec) | Average K (ft/day) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Springer-Gelhar | Butler | Springer-Gelhar | Butler | | |
| JMW0683 | Rising 1 | Bedrock | 30.3 | 45.3 | 13.83 | 0.56 | Y | 0.1 | - | 7.65E-04 | - | 7.6E-04 | 2.2E+00 |
| OW08002 | Falling 1 | Overburden | 18 | 28 | 18.45 | 0.46 | N | - | 4.504 | - | 1.24E-01 | 8.2E-02 | 2.3E+02 |
| | Rising 1 | Overburden | 18 | 28 | 18.45 | 0.44 | N | 10.92 | - | 5.50E-02 | - | | |
| OW12002 | Rising 1 | Hybrid | 10 | 20 | 14.33 | 1.44 | N | 1.563 | - | 3.43E-02 | - | 3.4E-02 | 9.6E+01 |
| | Rising 2 | Hybrid | 10 | 20 | 14.33 | 1.5 | N | 0.1 | - | 3.33E-02 | - | | |
| JBW7737A | Rising 1 | Bedrock | 195 | 205 | 12.96 | 2.32 | Y | - | 83.59 | - | 1.53E-02 | 1.5E-02 | 4.3E+01 |

Notes:
btor - below top of riser
cm - centimeters
ft - feet
H(0) - initial displacement
ID - identification
K - horizontal hydraulic conductivity
Le - effective water column length
N - no
sec - seconds
Y - yes
y0 - intercept of line on axis
Aquifer modeled as unconfined for all solutions



Prepared by: FD 7/15/2025
Checked by: MEG 10/22/2025




## AA20MW-02 RISING HEAD TEST 1

Data Set: \...\AA20MW02_RH_BR.aqt
Date: 03/17/25 Time: 13:52:14

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: AA20MW02
Test Date: 10/15/2024

## AQUIFER DATA

Saturated Thickness: 2.28 ft Anisotropy Ratio (Kz/Kr): 0.3

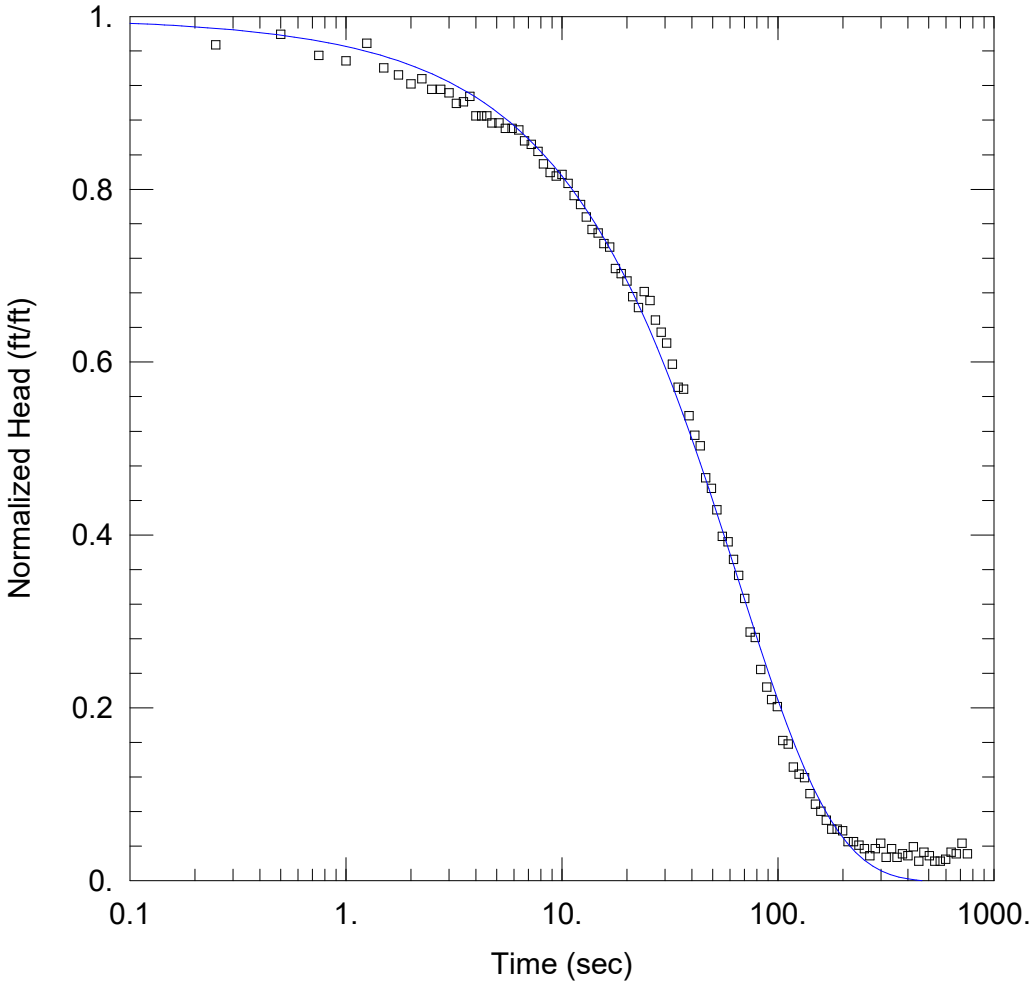
## WELL DATA (AA20MW-02)

Initial Displacement: 0.487 ft
Total Well Penetration Depth: 2.28 ft
Casing Radius: 0.083 ft
Static Water Column Height: 2.28 ft
Screen Length: 2.28 ft
Well Radius: 0.26 ft
Gravel Pack Porosity: 0.3

## SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 0.004036 cm/sec y0 = 0.4662 ft




## AA20MW-02 RISING HEAD TEST 1

Data Set: \...\AA20MW02_RH_KGS.aqt
Date: 03/17/25 Time: 15:49:01

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: AA20MW02
Test Date: 10/15/2024

## AQUIFER DATA

Saturated Thickness: 2.28 ft

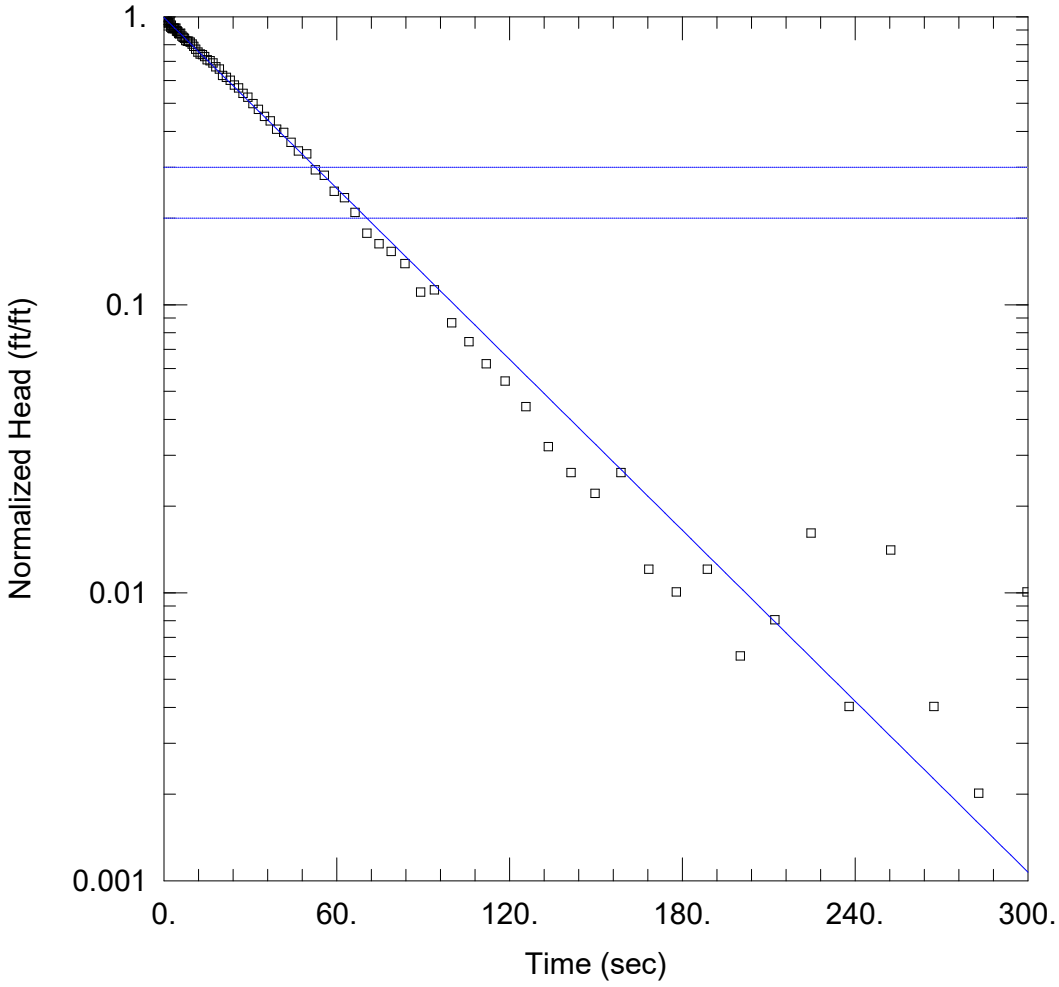
## WELL DATA (AA20MW-02)

Initial Displacement: 0.487 ft
Total Well Penetration Depth: 2.28 ft
Casing Radius: 0.083 ft
Static Water Column Height: 2.28 ft
Screen Length: 2.28 ft
Well Radius: 0.26 ft
Gravel Pack Porosity: 0.3

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.001631 cm/sec
Kz/Kr = 0.3
Ss = 0.000182 $ft^{-1}$




## AA20MW-02 RISING HEAD TEST 2

Data Set: \...\AA20MW02_RH2_BR.aqt
Date: 03/17/25 Time: 13:58:45

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: AA20MW02
Test Date: 10/15/2024

## AQUIFER DATA

Saturated Thickness: 2.28 ft Anisotropy Ratio (Kz/Kr): 0.17

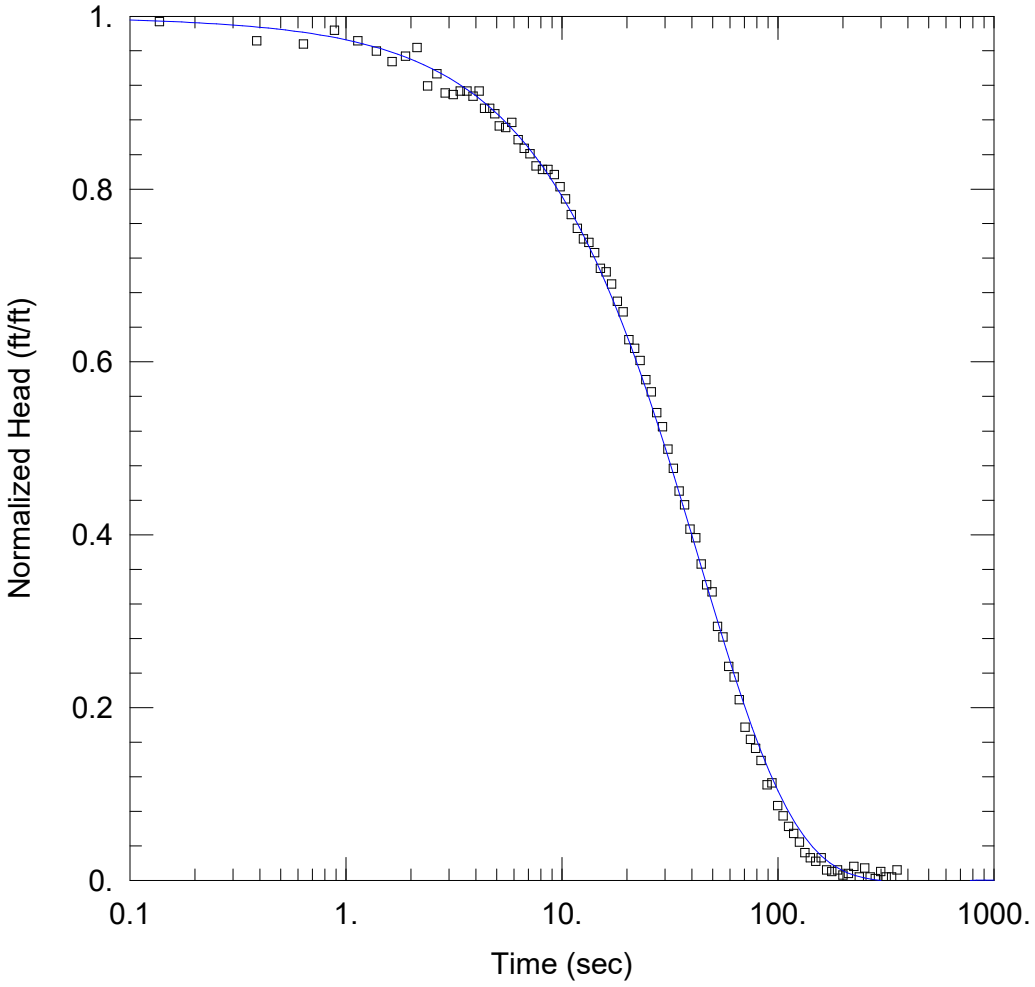
## WELL DATA (AA20MW-02)

Initial Displacement: 0.497 ft
Total Well Penetration Depth: 2.28 ft
Casing Radius: 0.083 ft
Static Water Column Height: 2.28 ft
Screen Length: 2.28 ft
Well Radius: 0.26 ft
Gravel Pack Porosity: 0.3

## SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 0.005931 cm/sec y0 = 0.4941 ft




## AA20MW-02 RISING HEAD TEST 2

Data Set: \...\AA20MW02_RH2_KGS.aqt
Date: 03/17/25 Time: 14:00:25

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: AA20MW02
Test Date: 10/15/2024

## AQUIFER DATA

Saturated Thickness: 2.28 ft

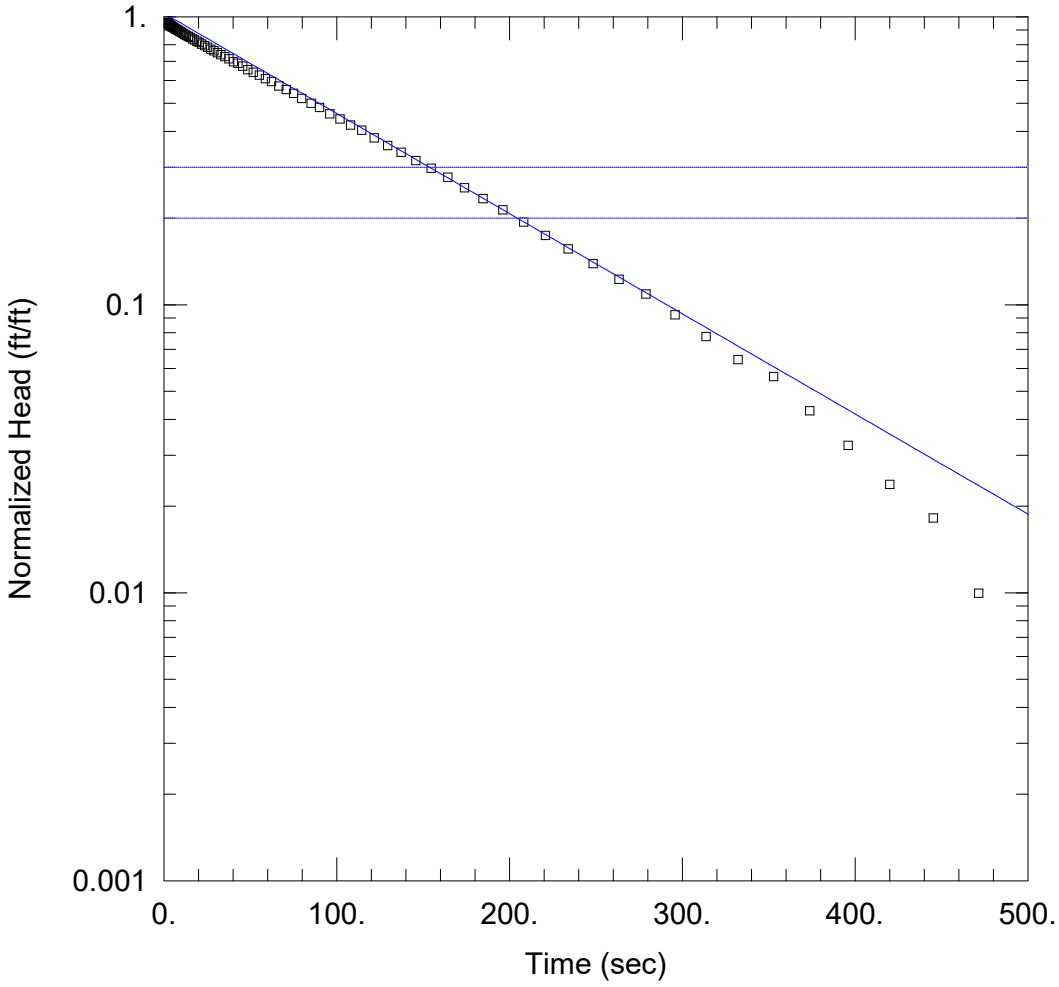
## WELL DATA (AA20MW-02)

Initial Displacement: 0.497 ft
Total Well Penetration Depth: 2.28 ft
Casing Radius: 0.083 ft
Static Water Column Height: 2.28 ft
Screen Length: 2.28 ft
Well Radius: 0.26 ft
Gravel Pack Porosity: 0.3

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.002345 cm/sec
Kz/Kr = 0.3
Ss = 1.525E-5 $ft^{-1}$




## BW01005 RISING HEAD TEST

Data Set: \...\BW01005_RH_BR.aqt
Date: 03/17/25 Time: 15:54:31

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: BW01005
Test Date: 7/11/2024

## AQUIFER DATA

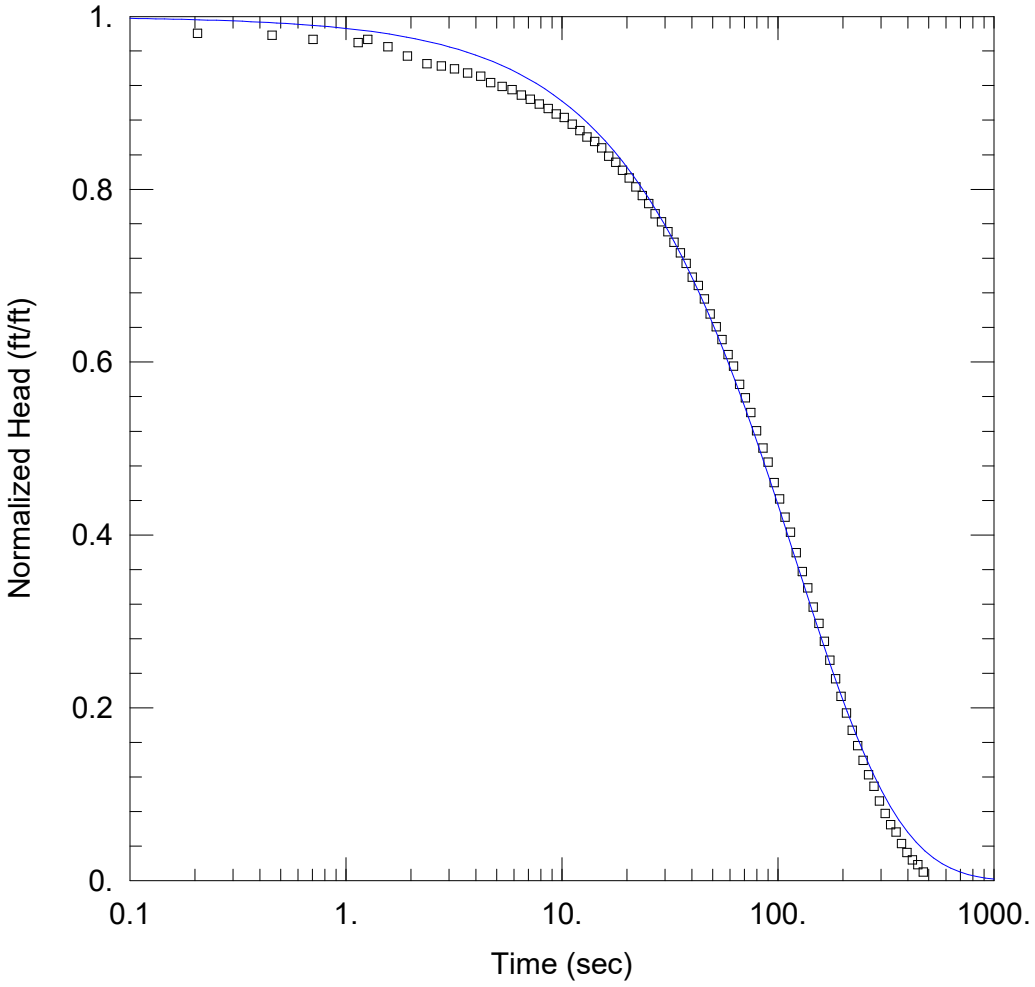
Saturated Thickness: 42.53 ft Anisotropy Ratio (Kz/Kr): 0.17

## WELL DATA (BW01005)

Initial Displacement: 2.311 ft Static Water Column Height: 42.53 ft
Total Well Penetration Depth: 42.53 ft Screen Length: 10. ft
Casing Radius: 0.083 ft Well Radius: 0.18 ft

## SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.0003032 cm/sec y0 = 2.374 ft




## BW01005 RISING HEAD TEST

Data Set: \...\BW01005_RH_KGS.aqt
Date: 03/17/25 Time: 14:04:32

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: BW01005
Test Date: 7/11/2024

## AQUIFER DATA

Saturated Thickness: 42.53 ft

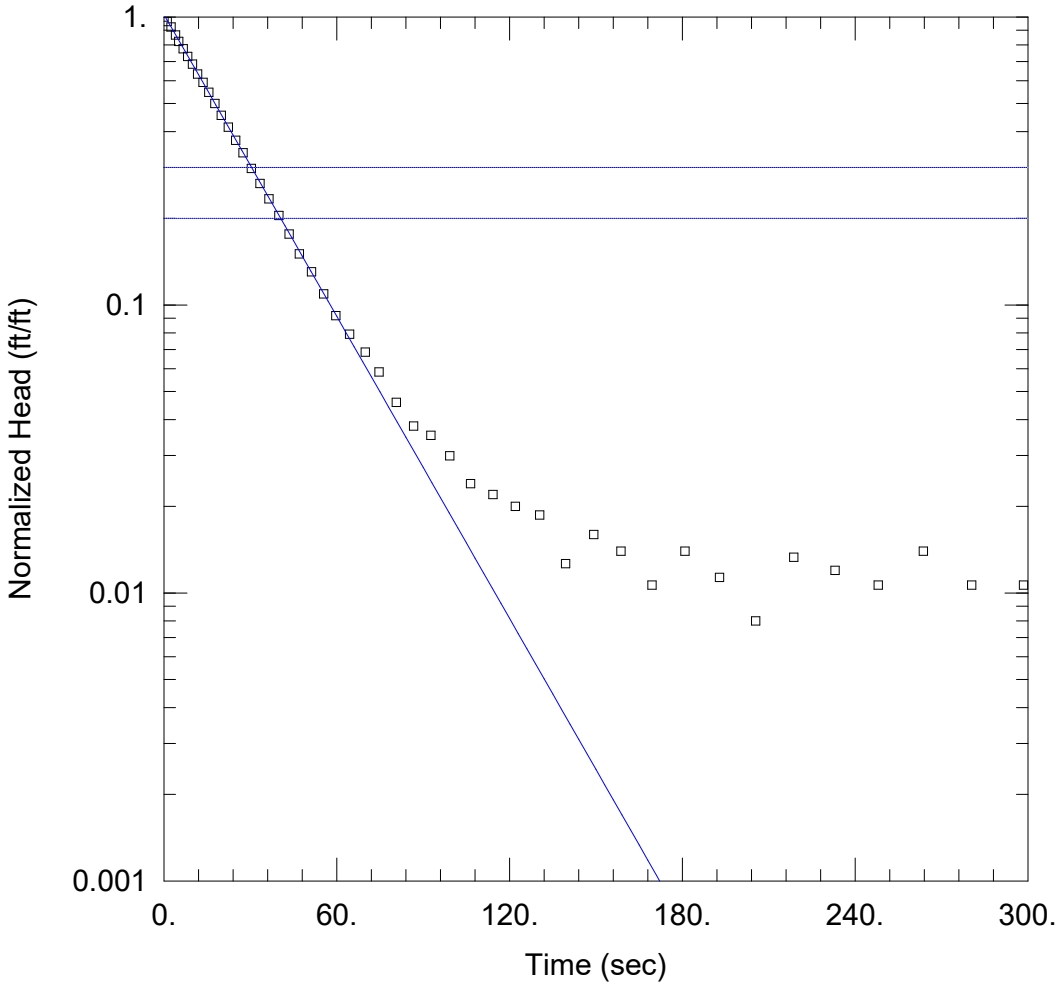
## WELL DATA (BW01005)

Initial Displacement: 2.311 ft
Total Well Penetration Depth: 42.53 ft
Casing Radius: 0.083 ft
Static Water Column Height: 42.53 ft
Screen Length: 10. ft
Well Radius: 0.18 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.0003352 cm/sec
Kz/Kr = 0.1
Ss = 7.247E-7 $ft^{-1}$




## BW01008 FALLING HEAD TEST

Data Set: X:\...\BW01008_FHT_BR.aqt
Date: 01/07/25 Time: 08:58:14

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: BW01008
Test Date: 7/16/2024

## AQUIFER DATA

Saturated Thickness: 60.09 ft Anisotropy Ratio (Kz/Kr): 0.17

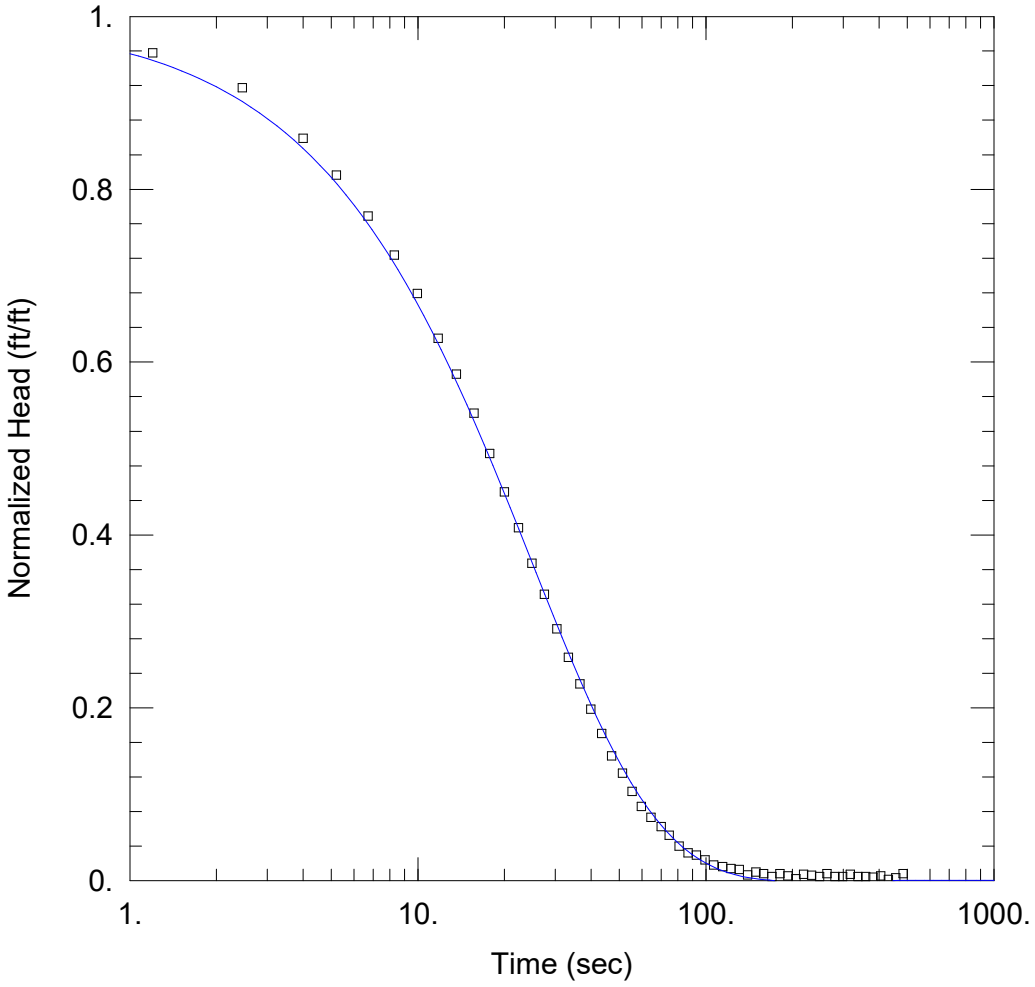
## WELL DATA (BW01008)

Initial Displacement: 1.503 ft
Total Well Penetration Depth: 60.09 ft
Casing Radius: 0.083 ft
Static Water Column Height: 60.09 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 0.001953 cm/sec y0 = 1.535 ft




## BW01008 FALLING HEAD TEST

Data Set: X:\...\BW01008_FHT_KGS.aqt
Date: 01/07/25 Time: 09:03:30

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: BW01008
Test Date: 7/16/2024

## AQUIFER DATA

Saturated Thickness: 60.09 ft

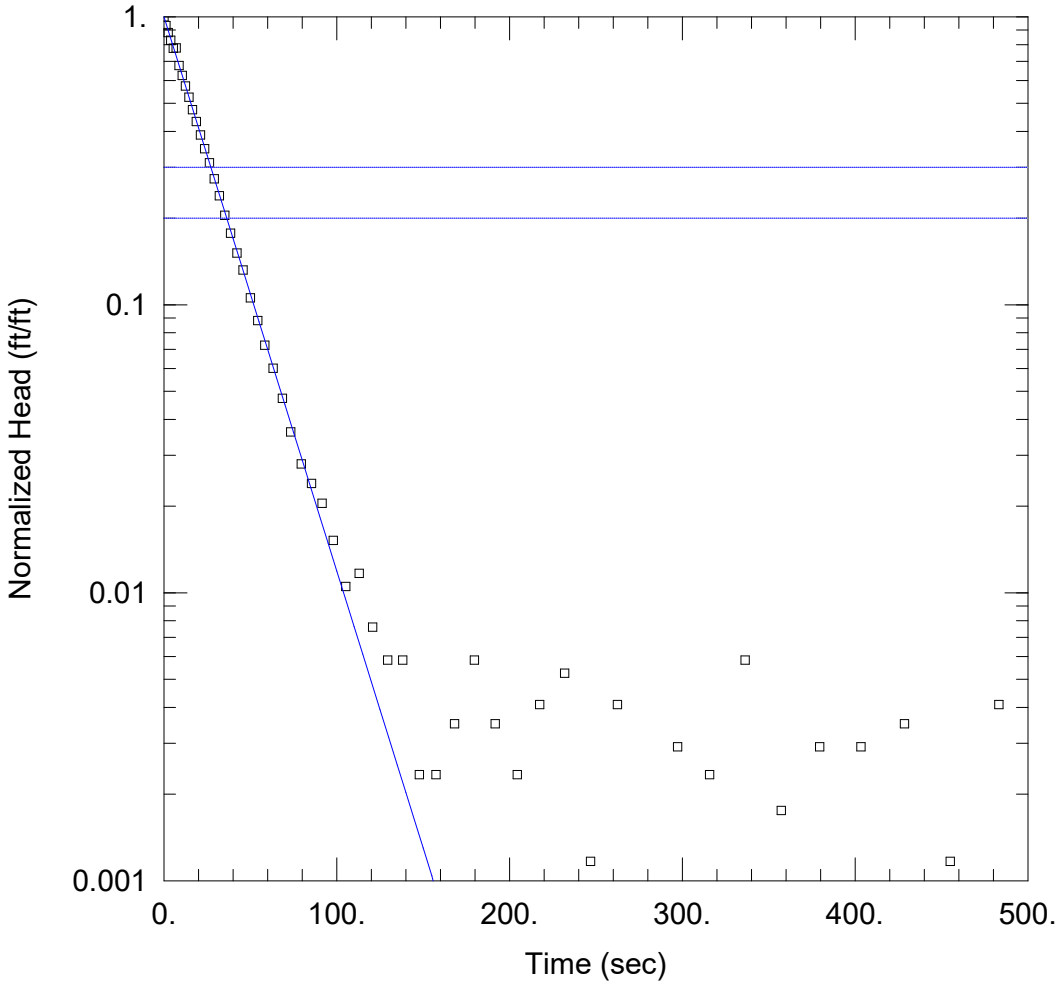
## WELL DATA (BW01008)

Initial Displacement: 1.503 ft
Total Well Penetration Depth: 60.09 ft
Casing Radius: 0.083 ft
Static Water Column Height: 60.09 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.00204 cm/sec
Kz/Kr = 0.17
Ss = 3.826E-8 $ft^{-1}$




## BW01008 RISING HEAD TEST

Data Set: X:\...\BW01008_RHT_BR.aqt
Date: 01/07/25 Time: 09:26:12

## PROJECT INFORMATION

Company: WSP
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: BW01008
Test Date: 7/16/2024

## AQUIFER DATA

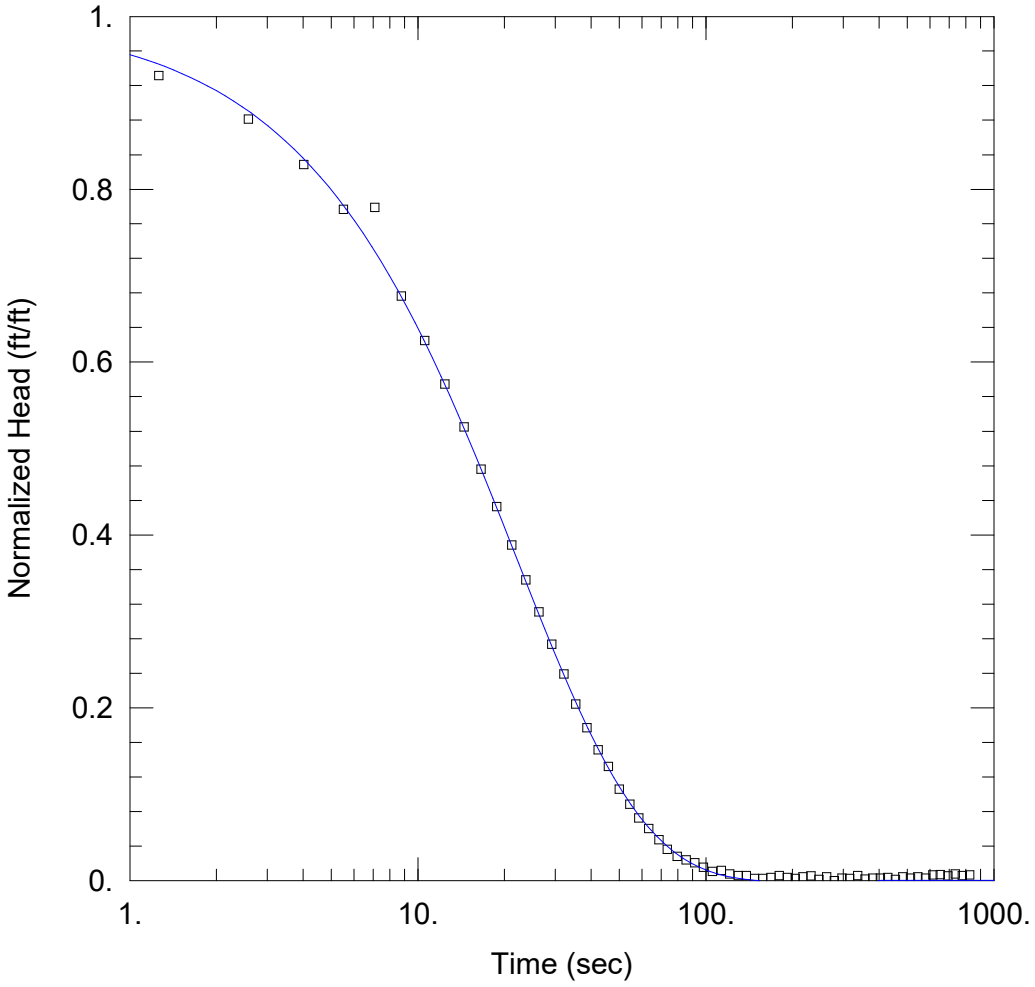
Saturated Thickness: 59.82 ft Anisotropy Ratio (Kz/Kr): 0.17

## WELL DATA (BW01008)

Initial Displacement: 1.712 ft
Total Well Penetration Depth: 59.82 ft
Casing Radius: 0.083 ft
Static Water Column Height: 59.82 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.002148 cm/sec
y0 = 1.709 ft




## BW01008 RISING HEAD TEST

Data Set: X:\...\BW01008_RHT_KGS.aqt
Date: 01/07/25 Time: 09:30:59

## PROJECT INFORMATION

Company: WSP (US) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: BW01008
Test Date: 7/16/2024

## AQUIFER DATA

Saturated Thickness: 59.82 ft

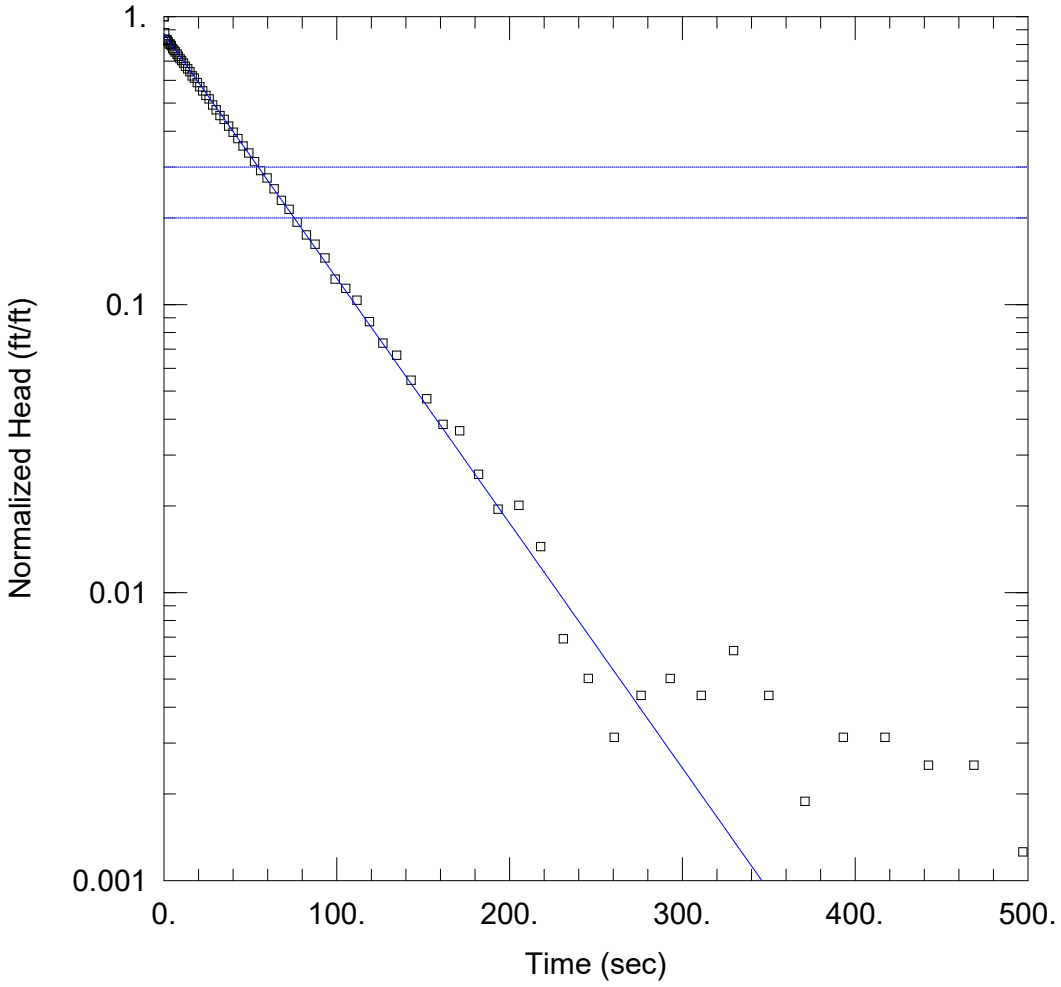
## WELL DATA (BW01008)

Initial Displacement: 1.712 ft
Total Well Penetration Depth: 59.82 ft
Casing Radius: 0.083 ft
Static Water Column Height: 59.82 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.002278 cm/sec
Kz/Kr = 0.17
Ss = 2.332E-9 $ft^{-1}$




## BW01009 FALLING HEAD TEST

Data Set: X:\...\BW01009_FHT_BR.aqt
Date: 01/07/25 Time: 09:34:39

## PROJECT INFORMATION

Company: WSP (US) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: BW01009
Test Date: 9/24/2024

## AQUIFER DATA

Saturated Thickness: 55.23 ft Anisotropy Ratio (Kz/Kr): 0.17

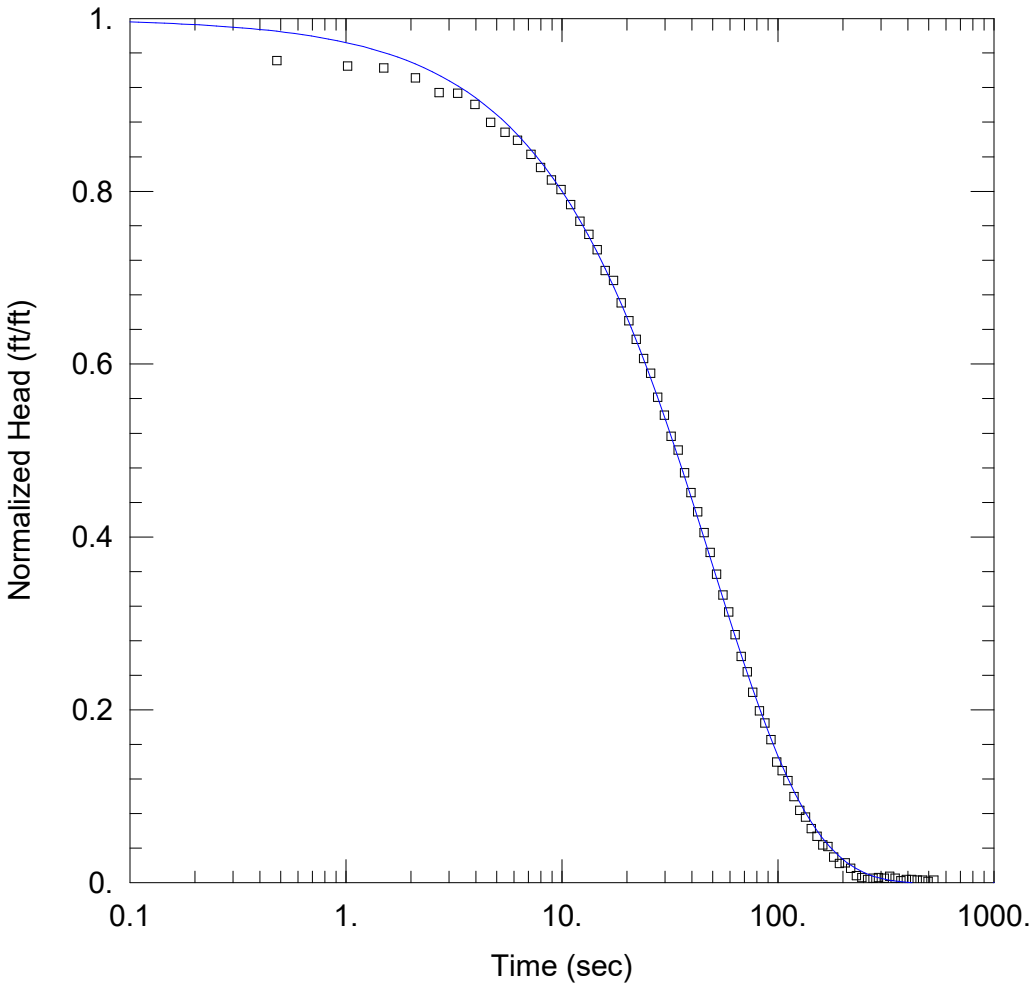
## WELL DATA (BW01009)

Initial Displacement: 1.592 ft Static Water Column Height: 55.23 ft
Total Well Penetration Depth: 55.23 ft Screen Length: 10. ft
Casing Radius: 0.083 ft Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 0.0009397 cm/sec y0 = 1.39 ft




## BW01009 FALLING HEAD TEST

Data Set: X:\...\BW01009_FHT_KGS.aqt
Date: 01/07/25 Time: 09:39:35

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: BW01009
Test Date: 9/24/2024

## AQUIFER DATA

Saturated Thickness: 55.23 ft

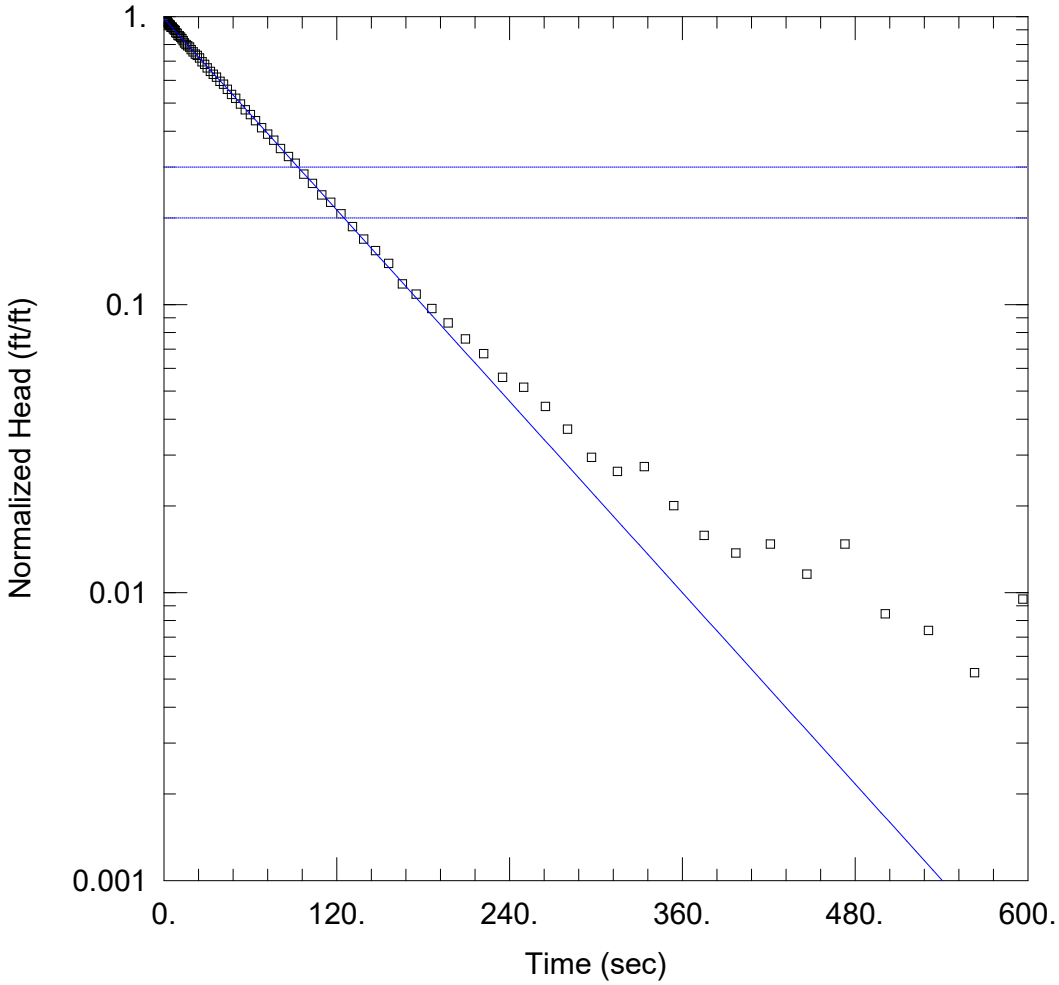
## WELL DATA (BW01009)

Initial Displacement: 1.398 ft
Total Well Penetration Depth: 55.23 ft
Casing Radius: 0.083 ft
Static Water Column Height: 55.23 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.0009902 cm/sec
Kz/Kr = 0.17
Ss = 4.548E-7 $ft^{-1}$




## BW01009 RISING HEAD TEST

Data Set: X:\...\BW01009_RHT_BR.aqt
Date: 01/07/25 Time: 09:43:05

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: BW01009
Test Date: 9/24/2024

## AQUIFER DATA

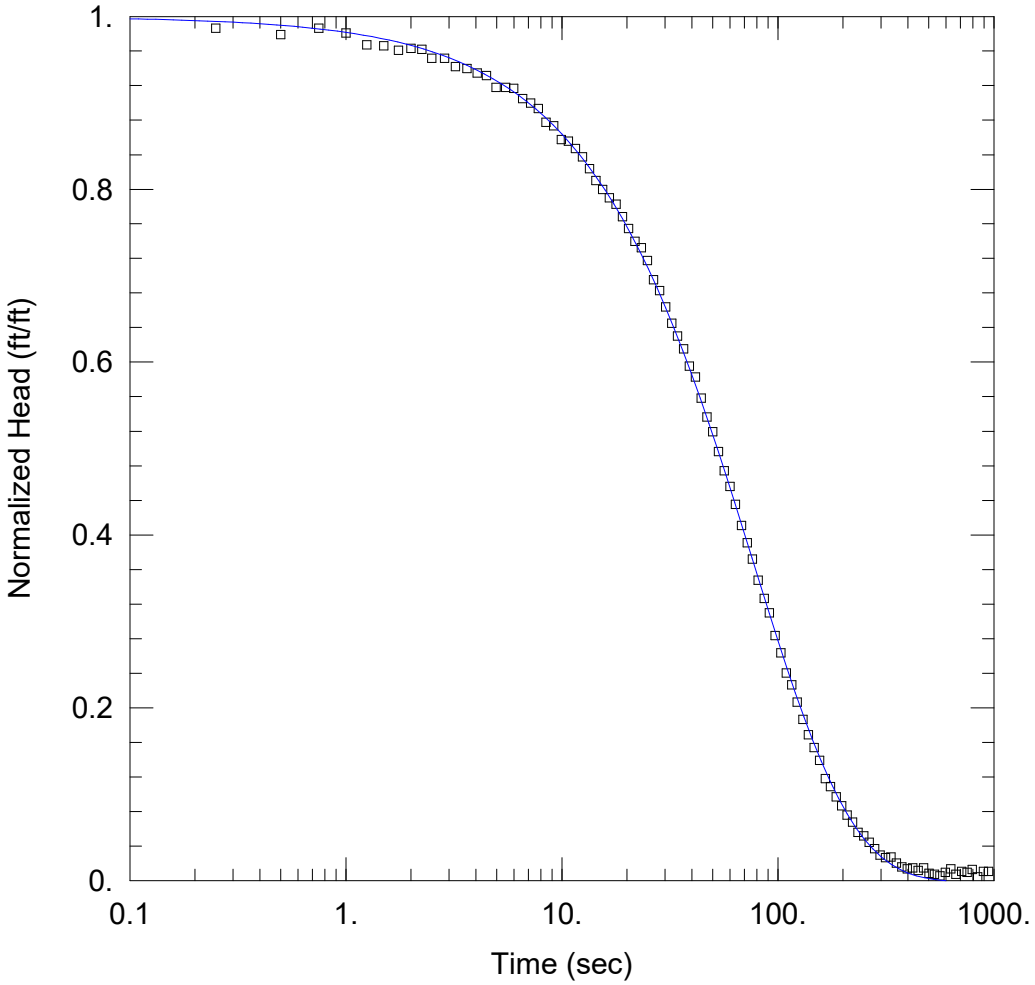
Saturated Thickness: 55.23 ft Anisotropy Ratio (Kz/Kr): 0.17

## WELL DATA (BW01009)

Initial Displacement: 0.949 ft
Total Well Penetration Depth: 55.23 ft
Casing Radius: 0.083 ft
Static Water Column Height: 55.23 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.0006119 cm/sec
y0 = 0.9328 ft




## BW01009 RISING HEAD TEST

Data Set: X:\...\BW01009_RHT_KGS.aqt
Date: 01/07/25 Time: 09:45:50

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: BW01009
Test Date: 9/24/2024

## AQUIFER DATA

Saturated Thickness: 55.23 ft

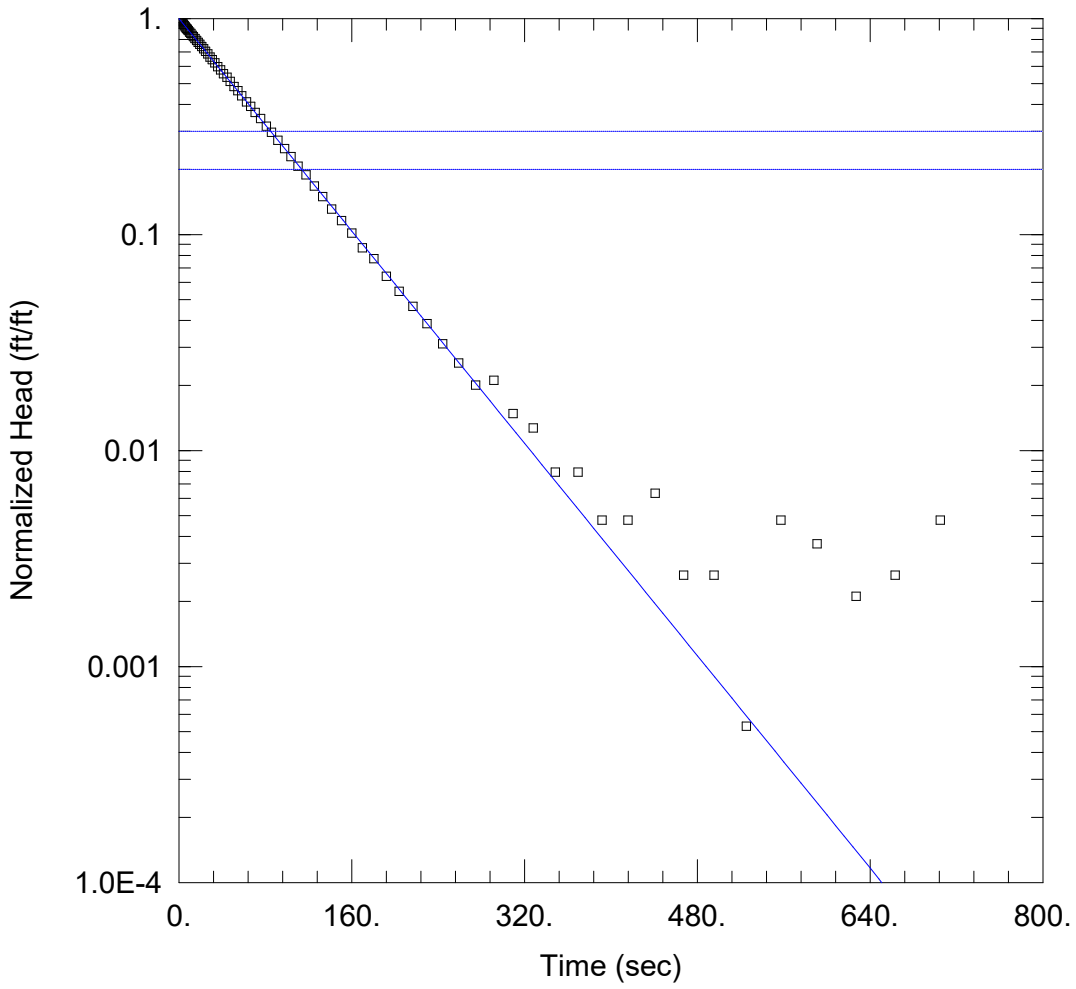
## WELL DATA (BW01009)

Initial Displacement: 0.949 ft
Total Well Penetration Depth: 55.23 ft
Casing Radius: 0.083 ft
Static Water Column Height: 55.23 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.0006452 cm/sec
Kz/Kr = 0.17
Ss = 3.132E-7 $ft^{-1}$




## BW05006 FALLING HEAD TEST

Data Set: X:\...\BW05006_FHT_BR.aqt
Date: 01/07/25 Time: 09:50:09

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: BW05006
Test Date: 7/23/2024

## AQUIFER DATA

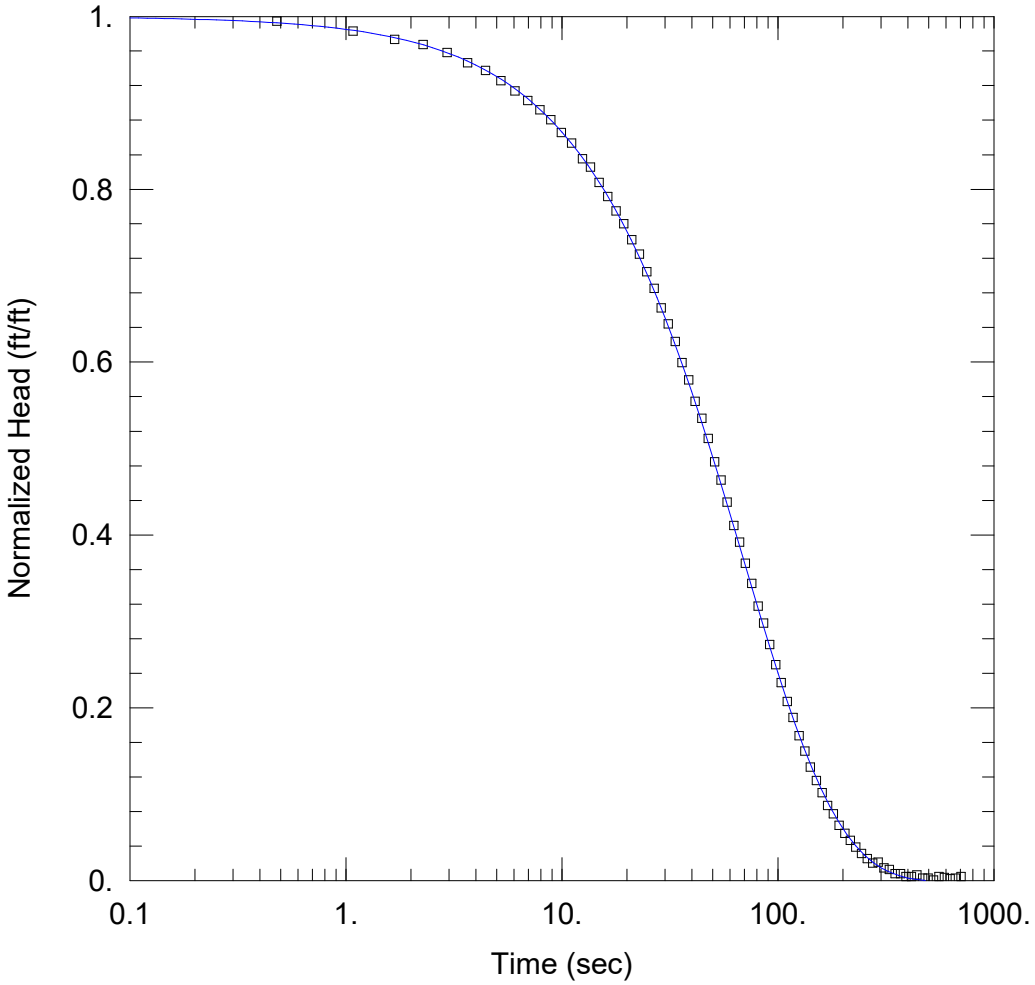
Saturated Thickness: 56.9 ft Anisotropy Ratio (Kz/Kr): 0.17

## WELL DATA (BW05006)

Initial Displacement: 1.89 ft
Total Well Penetration Depth: 56.9 ft
Casing Radius: 0.083 ft
Static Water Column Height: 56.9 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.0006818 cm/sec
y0 = 1.887 ft




## BW05006 FALLING HEAD TEST

Data Set: X:\...\BW05006_FHT_KGS.aqt
Date: 01/07/25 Time: 09:53:38

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: BW05006
Test Date: 7/23/2024

## AQUIFER DATA

Saturated Thickness: 56.9 ft

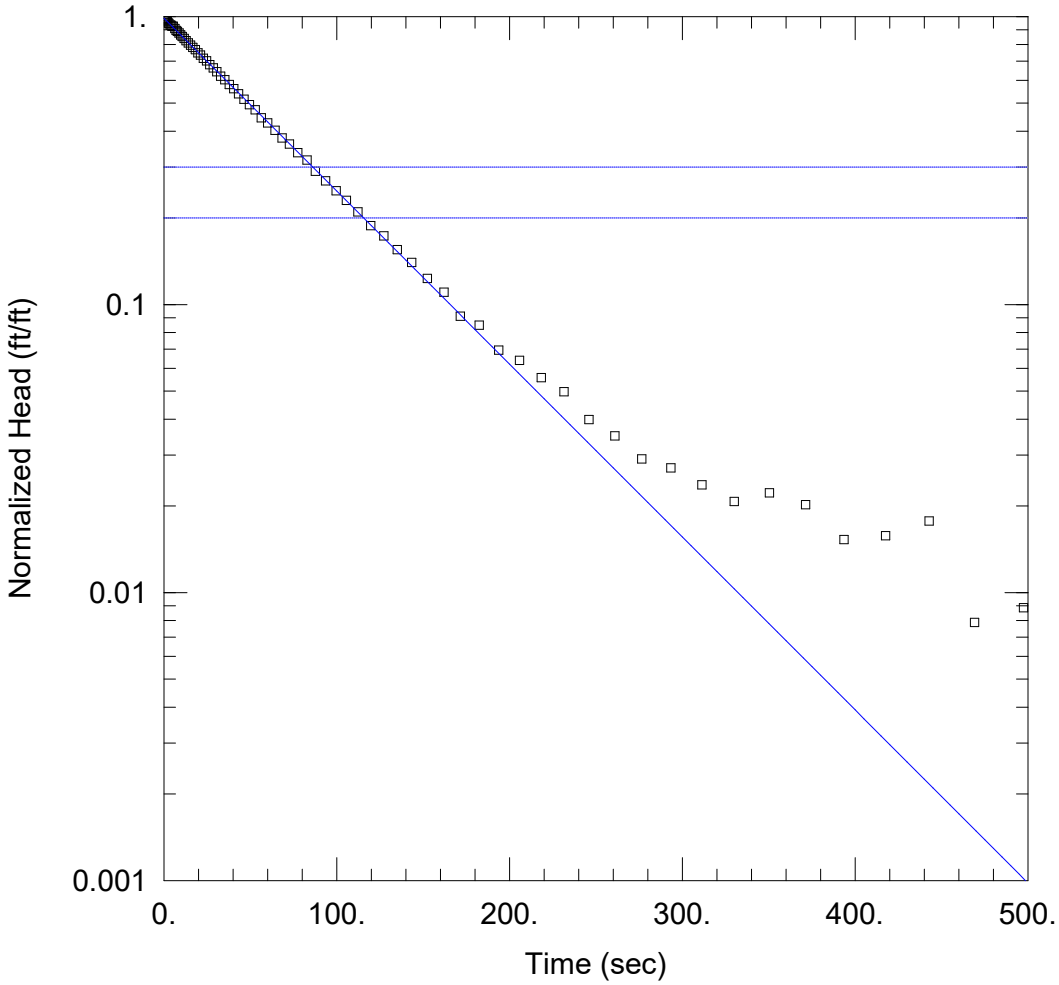
## WELL DATA (BW05006)

Initial Displacement: 1.89 ft
Total Well Penetration Depth: 56.9 ft
Casing Radius: 0.083 ft
Static Water Column Height: 56.9 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.0007257 cm/sec
Kz/Kr = 0.17
Ss = 4.534E-9 $ft^{-1}$




## BW05006 RISING HEAD TEST

Data Set: X:\...\BW05006_RHT_BR.aqt
Date: 01/07/25 Time: 09:56:48

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: OW01004
Test Date: 7/23/2024

## AQUIFER DATA

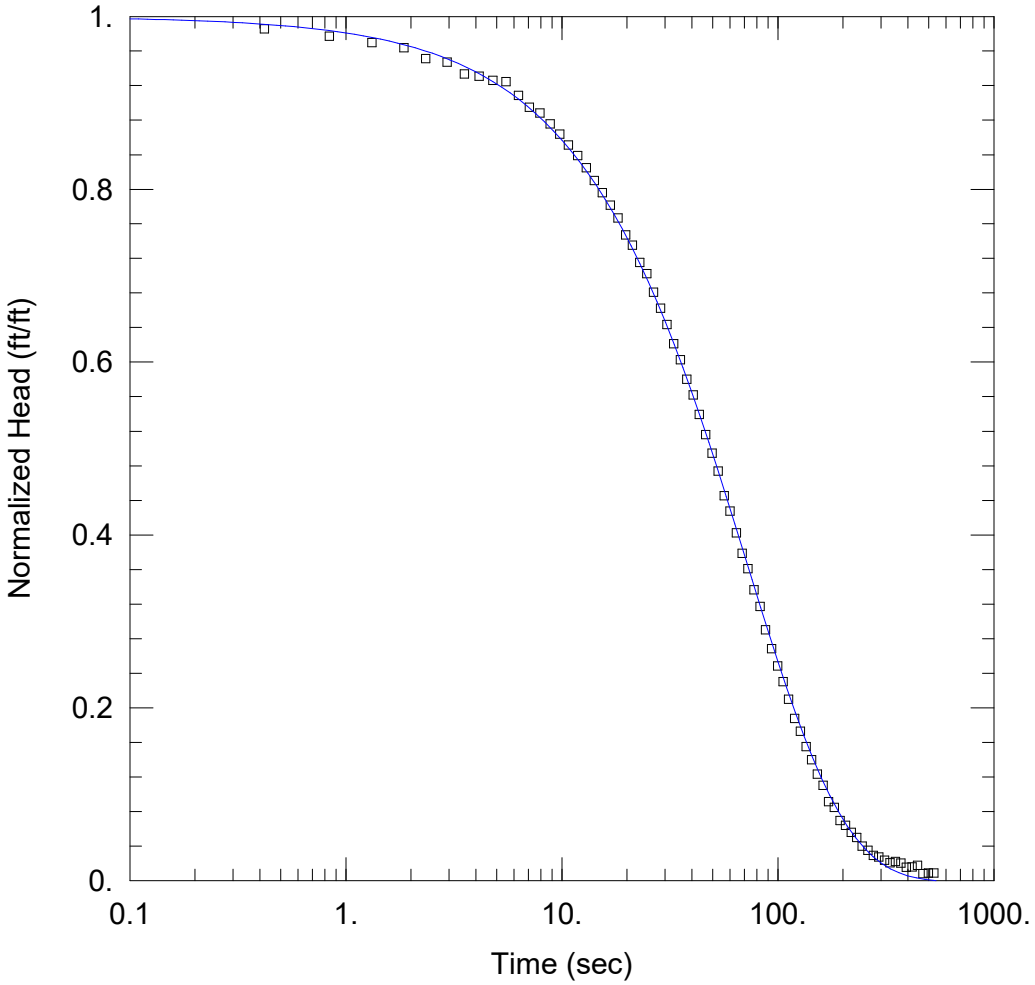
Saturated Thickness: 56.89 ft
Anisotropy Ratio (Kz/Kr): 0.17

## WELL DATA (BW05006)

Initial Displacement: 2.03 ft
Total Well Penetration Depth: 56.89 ft
Casing Radius: 0.083 ft
Static Water Column Height: 56.89 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.0006663 cm/sec
y0 = 2.003 ft




## BW05006 RISING HEAD TEST

Data Set: X:\...\BW05006_RHT_KGS.aqt
Date: 01/07/25 Time: 09:59:16

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring, AFB
Test Well: OW01004
Test Date: 7/23/2024

## AQUIFER DATA

Saturated Thickness: 56.89 ft

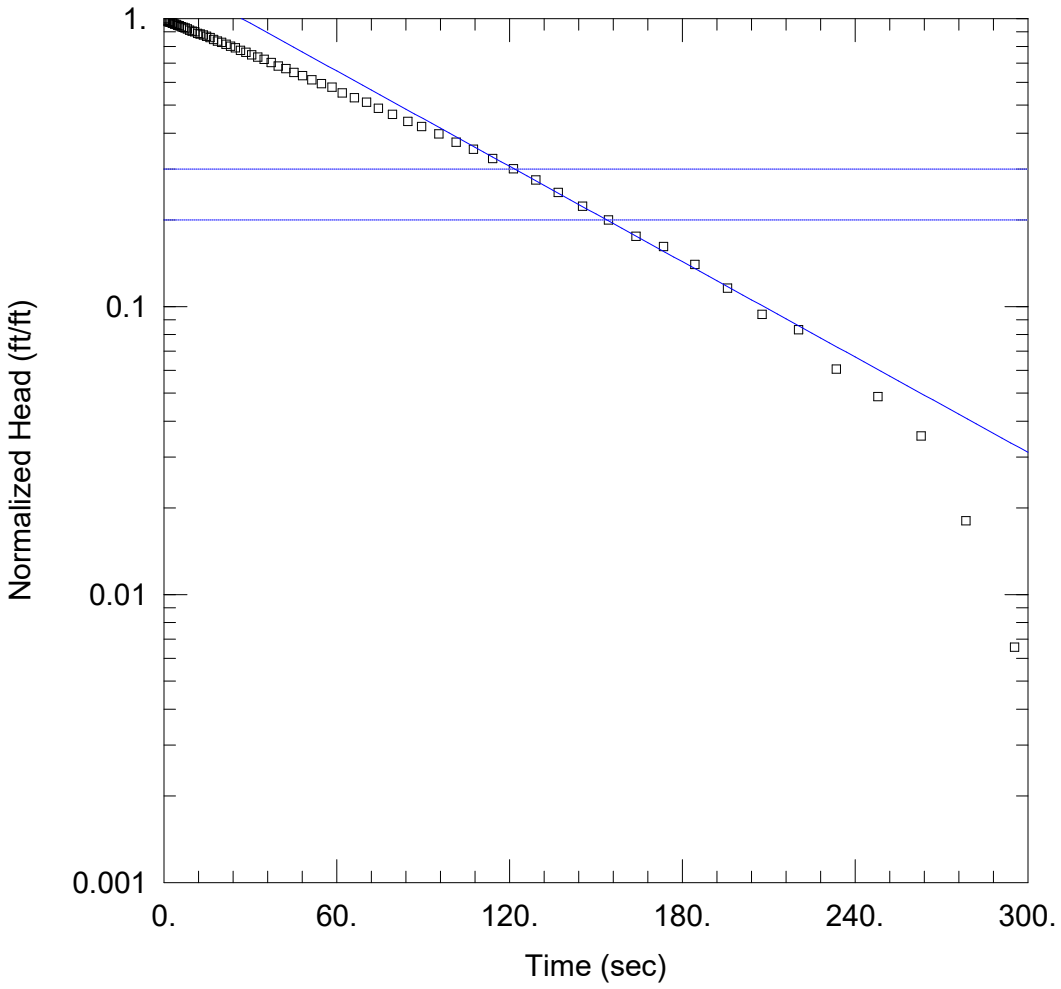
## WELL DATA (BW05006)

Initial Displacement: 2.03 ft
Total Well Penetration Depth: 56.89 ft
Casing Radius: 0.083 ft
Static Water Column Height: 56.89 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.0006966 cm/sec
Kz/Kr = 0.17
Ss = 2.399E-7 $ft^{-1}$




## BW05009 FALLING HEAD TEST

Data Set: X:\...\BW05009_FHT_BR.aqt
Date: 01/07/25 Time: 10:03:20

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring, AFB
Test Well: BW05009
Test Date: 7/23/2024

## AQUIFER DATA

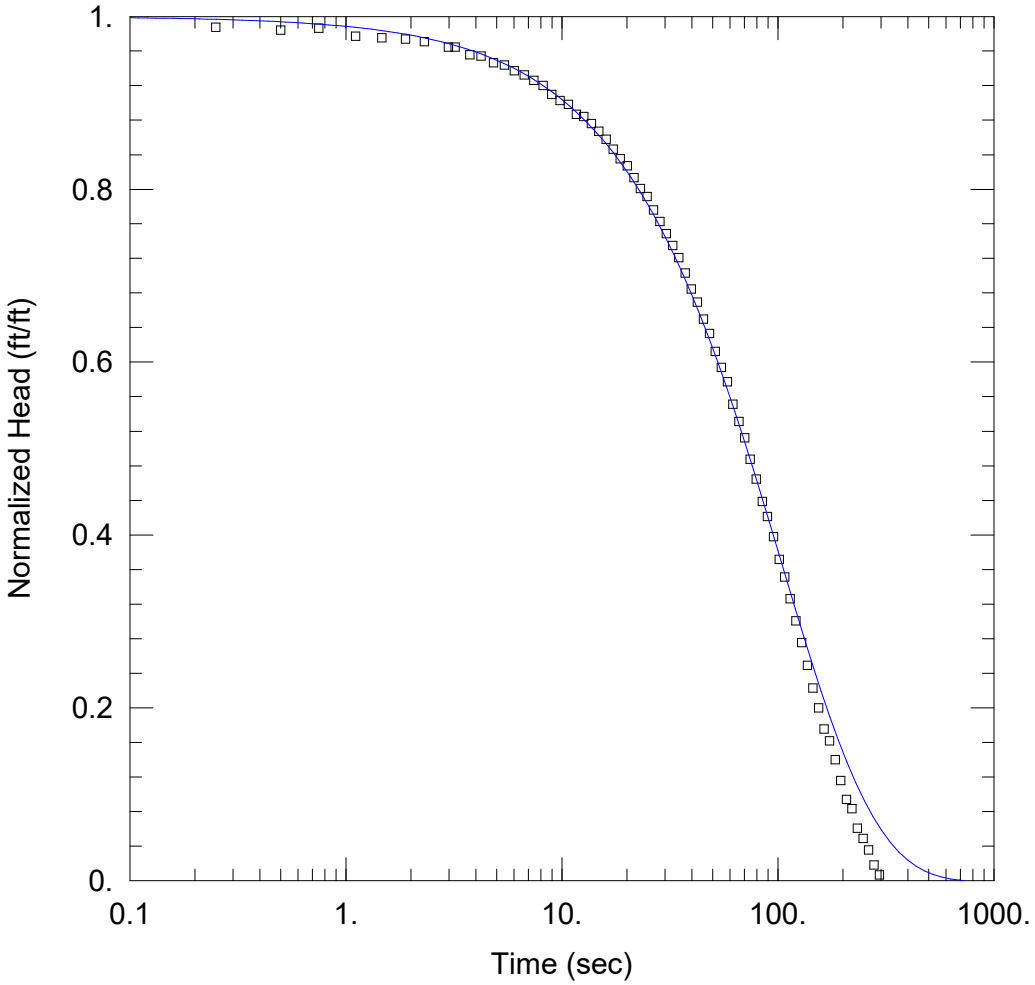
Saturated Thickness: 71.68 ft Anisotropy Ratio (Kz/Kr): 0.17

## WELL DATA (BW05009)

Initial Displacement: 1.83 ft
Total Well Penetration Depth: 71.68 ft
Casing Radius: 0.083 ft
Static Water Column Height: 71.68 ft
Screen Length: 10. ft
Well Radius: 0.29 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.0006136 cm/sec
y0 = 2.579 ft




## BW05009 FALLING HEAD TEST

Data Set: X:\...\BW05009_FHT_KGS.aqt
Date: 01/07/25 Time: 10:13:30

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: BW05009
Test Date: 7/23/2024

## AQUIFER DATA

Saturated Thickness: 71.68 ft

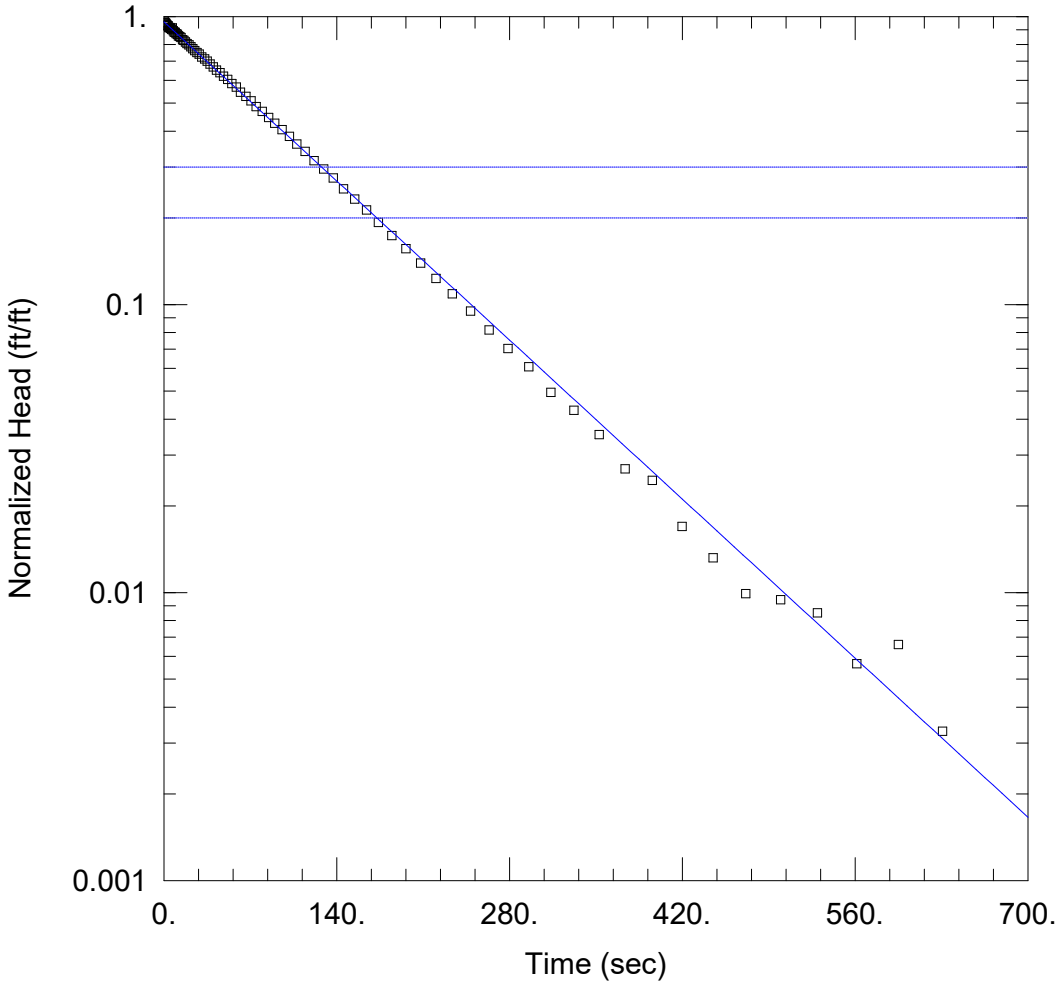
## WELL DATA (BW05009)

Initial Displacement: 1.83 ft
Total Well Penetration Depth: 71.68 ft
Casing Radius: 0.083 ft
Static Water Column Height: 71.68 ft
Screen Length: 10. ft
Well Radius: 0.29 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.0004764 cm/sec
Kz/Kr = 0.17
Ss = 2.915E-8 $ft^{-1}$




## BW05009 RISING HEAD TEST

Data Set: X:\...\BW05009_RHT_BR.aqt
Date: 01/07/25 Time: 10:15:28

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: BW05009
Test Date: 7/23/2024

## AQUIFER DATA

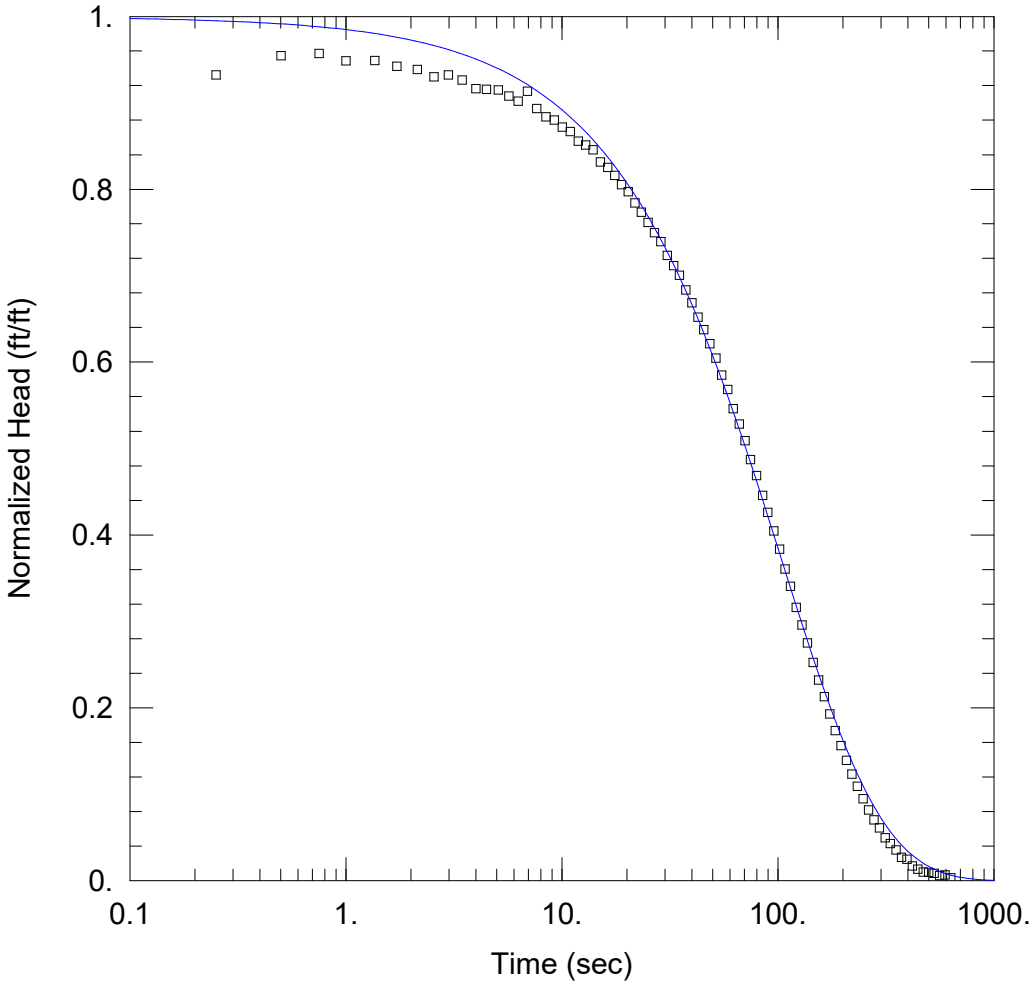
Saturated Thickness: 71.68 ft Anisotropy Ratio (Kz/Kr): 0.17

## WELL DATA (BW05009)

Initial Displacement: 2.12 ft
Total Well Penetration Depth: 71.68 ft
Casing Radius: 0.083 ft
Static Water Column Height: 71.68 ft
Screen Length: 10. ft
Well Radius: 0.29 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.0004387 cm/sec
y0 = 2.03 ft




## BW05009 RISING HEAD TEST

Data Set: X:\...\BW05009_RHT_KGS.aqt
Date: 01/07/25 Time: 10:18:01

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: BW05009
Test Date: 7/23/2024

## AQUIFER DATA

Saturated Thickness: 71.68 ft

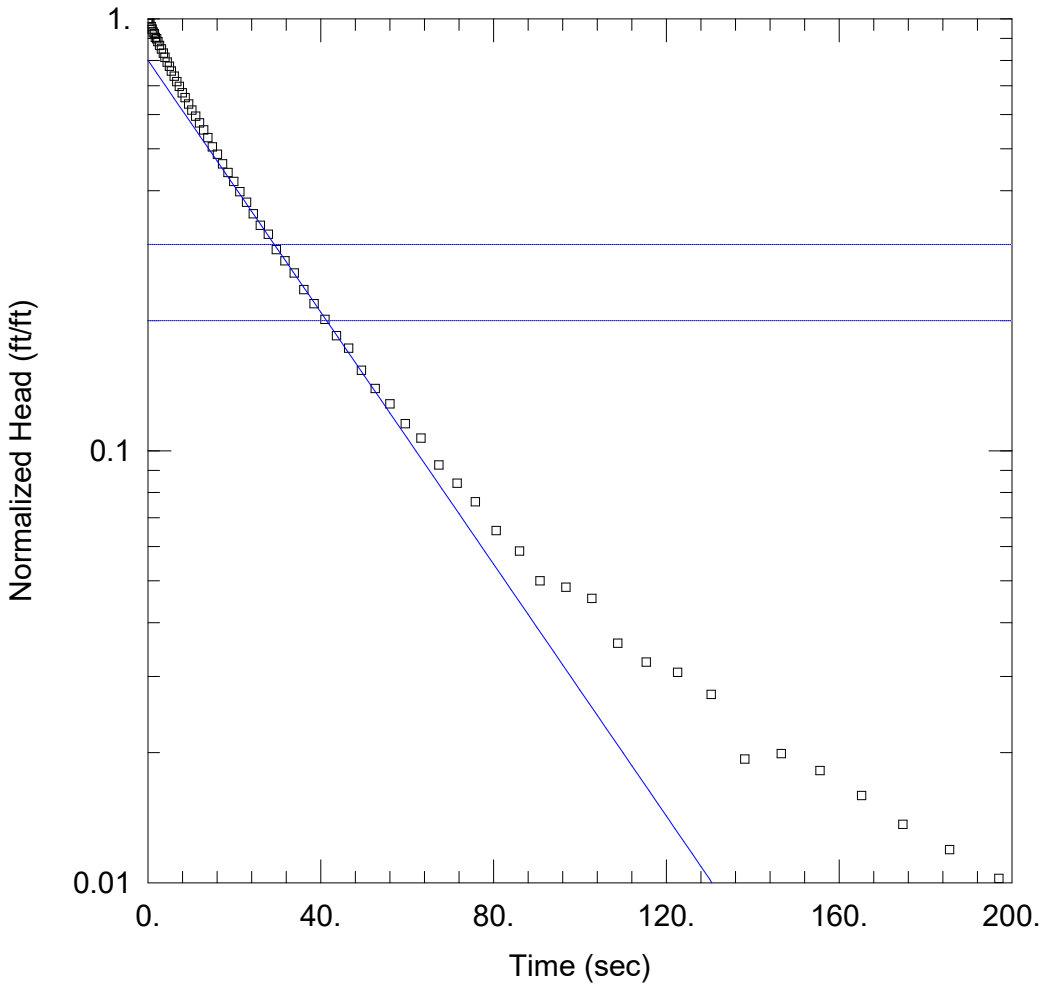
## WELL DATA (BW05009)

Initial Displacement: 2.12 ft
Total Well Penetration Depth: 71.68 ft
Casing Radius: 0.083 ft
Static Water Column Height: 71.68 ft
Screen Length: 10. ft
Well Radius: 0.29 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.0004525 cm/sec
Kz/Kr = 0.17
Ss = 5.034E-7 $ft^{-1}$




## BW06006 FALLING HEAD TEST

Data Set: \...\BW06006_FH_BR.aqt
Date: 03/17/25 Time: 14:06:40

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: BW06006
Test Date: 10/14/2024

## AQUIFER DATA

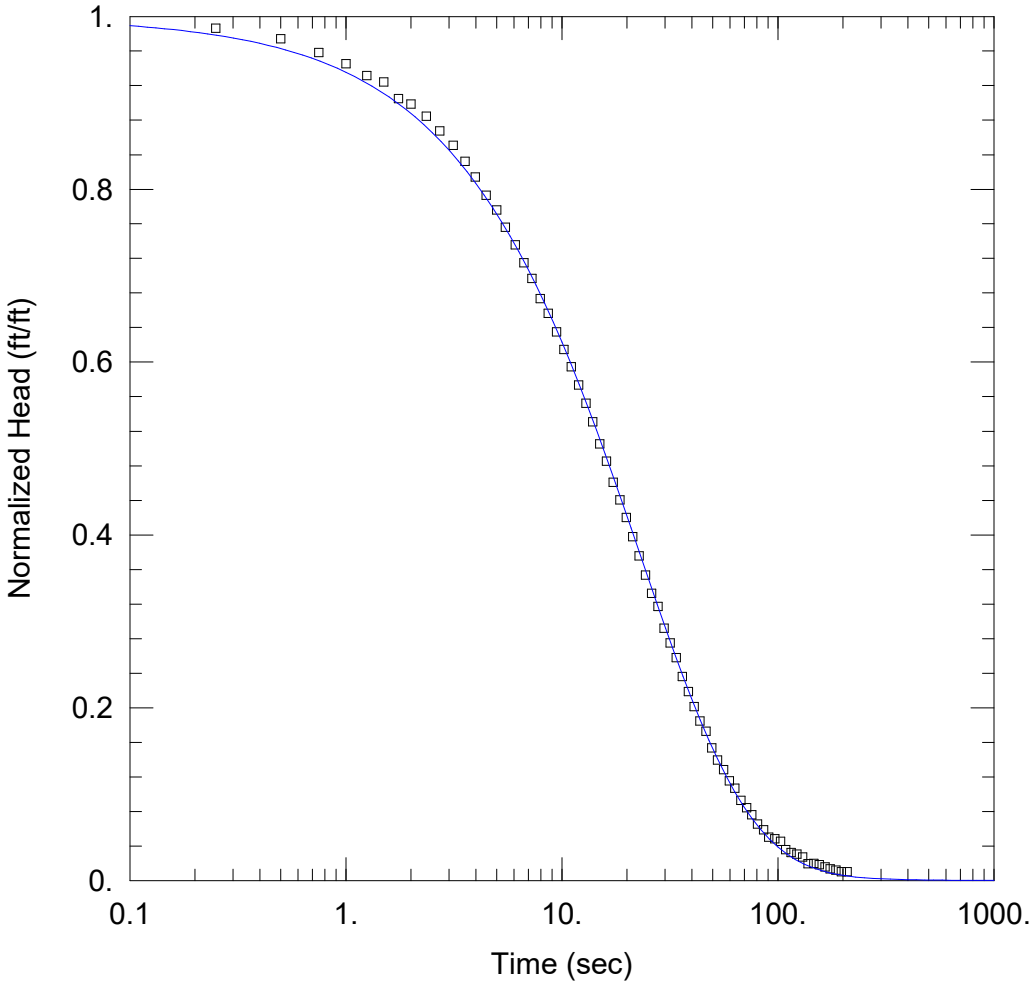
Saturated Thickness: 38.22 ft Anisotropy Ratio (Kz/Kr): 0.17

## WELL DATA (BW06006)

Initial Displacement: 1.759 ft Static Water Column Height: 38.22 ft
Total Well Penetration Depth: 38.22 ft Screen Length: 10. ft
Casing Radius: 0.083 ft Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.001535 cm/sec y0 = 1.409 ft




## BW06006 FALLING HEAD TEST

Data Set: \...\BW06006_FH_KGS.aqt
Date: 03/17/25 Time: 14:08:56

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: BW06006
Test Date: 10/14/2024

## AQUIFER DATA

Saturated Thickness: 38.22 ft

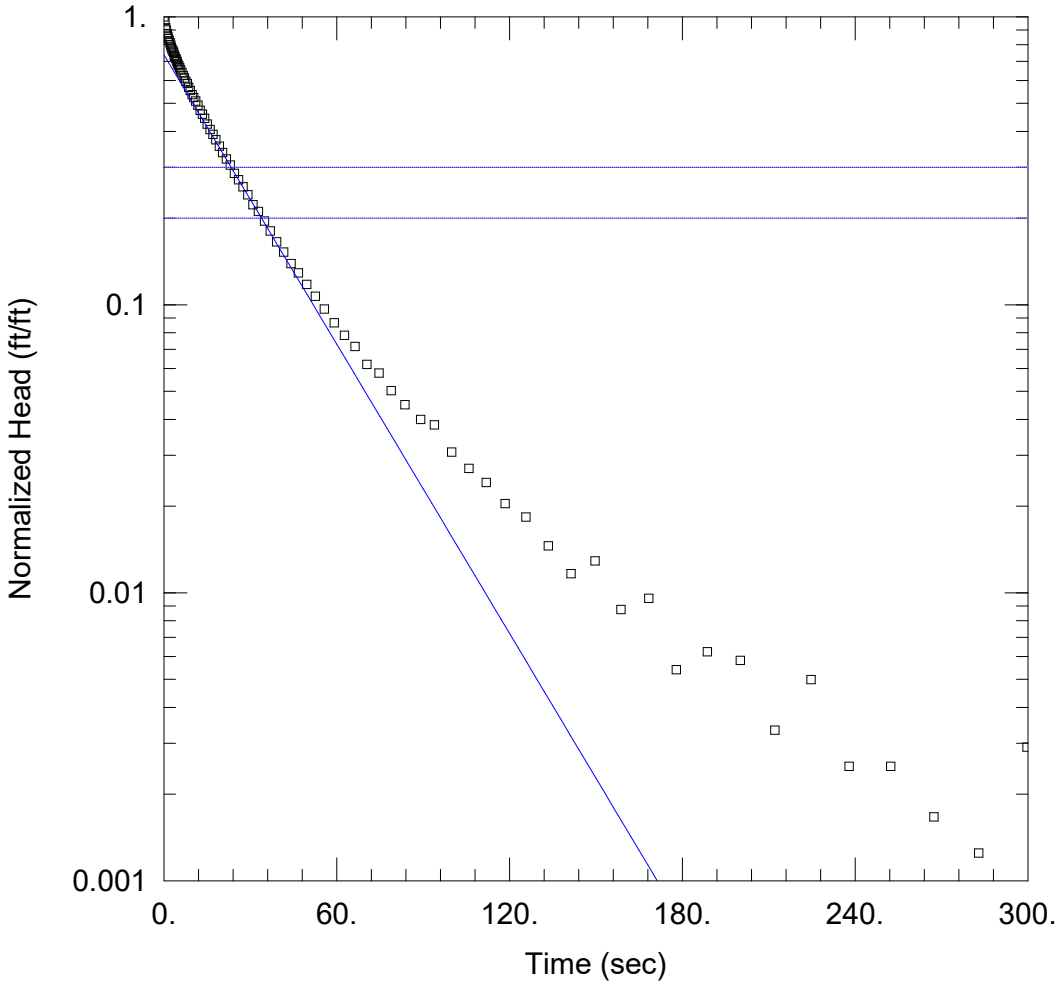
## WELL DATA (BW06006)

Initial Displacement: 1.759 ft
Total Well Penetration Depth: 38.22 ft
Casing Radius: 0.083 ft
Static Water Column Height: 38.22 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.001853 cm/sec
Kz/Kr = 0.17
Ss = 4.468E-6 $ft^{-1}$




## BW06006 RISING HEAD TEST

Data Set: \...\BW06006_RH_BR.aqt
Date: 03/17/25 Time: 14:10:24

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: BW06006
Test Date: 10/14/2024

## AQUIFER DATA

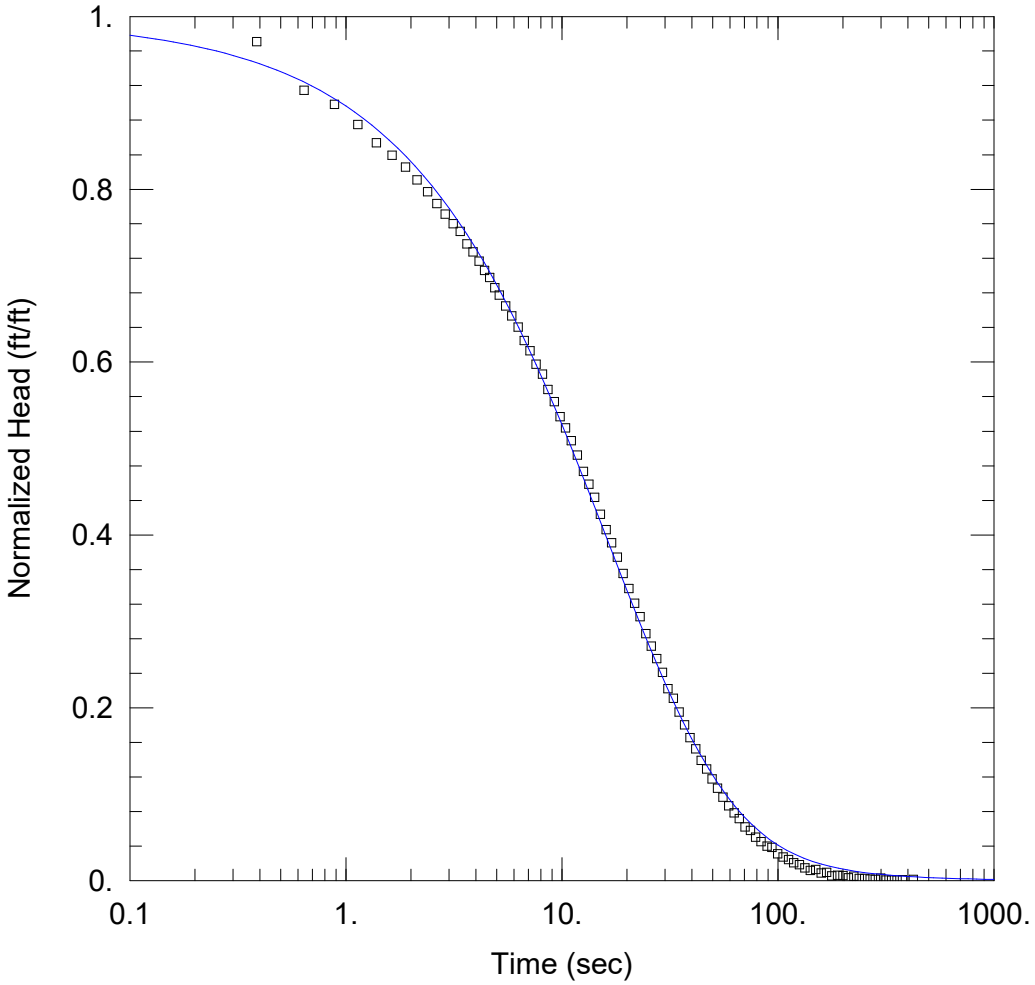
Saturated Thickness: 38.22 ft Anisotropy Ratio (Kz/Kr): 0.17

## WELL DATA (BW06006)

Initial Displacement: 2.403 ft Static Water Column Height: 38.22 ft
Total Well Penetration Depth: 38.22 ft Screen Length: 10. ft
Casing Radius: 0.0833 ft Well Radius: 0.22 ft

## SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.001819 cm/sec y0 = 1.77 ft




## BW06006 RISING HEAD TEST

Data Set: \...\BW06006_RH_KGS.aqt
Date: 03/17/25 Time: 14:12:12

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: BW06006
Test Date: 10/14/2024

## AQUIFER DATA

Saturated Thickness: 38.22 ft

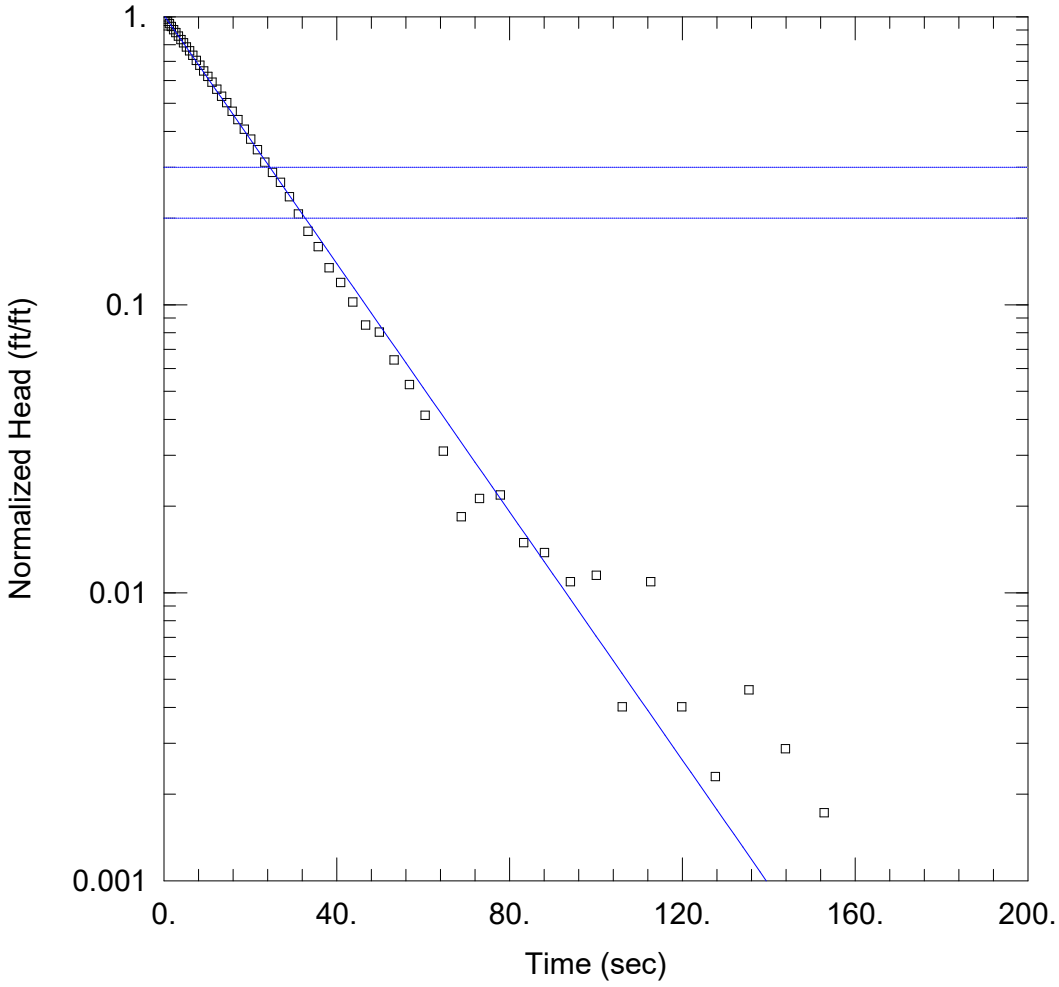
## WELL DATA (BW06006)

Initial Displacement: 2.403 ft
Total Well Penetration Depth: 38.22 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 38.22 ft
Screen Length: 10. ft
Well Radius: 0.22 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.001878 cm/sec
Kz/Kr = 0.17
Ss = 6.525E-5 $ft^{-1}$




## BW06008 FALLING HEAD TEST

Data Set: \...\BW06008_FH_BR.aqt
Date: 03/17/25 Time: 14:13:28

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: BW06008
Test Date: 10/14/2024

## AQUIFER DATA

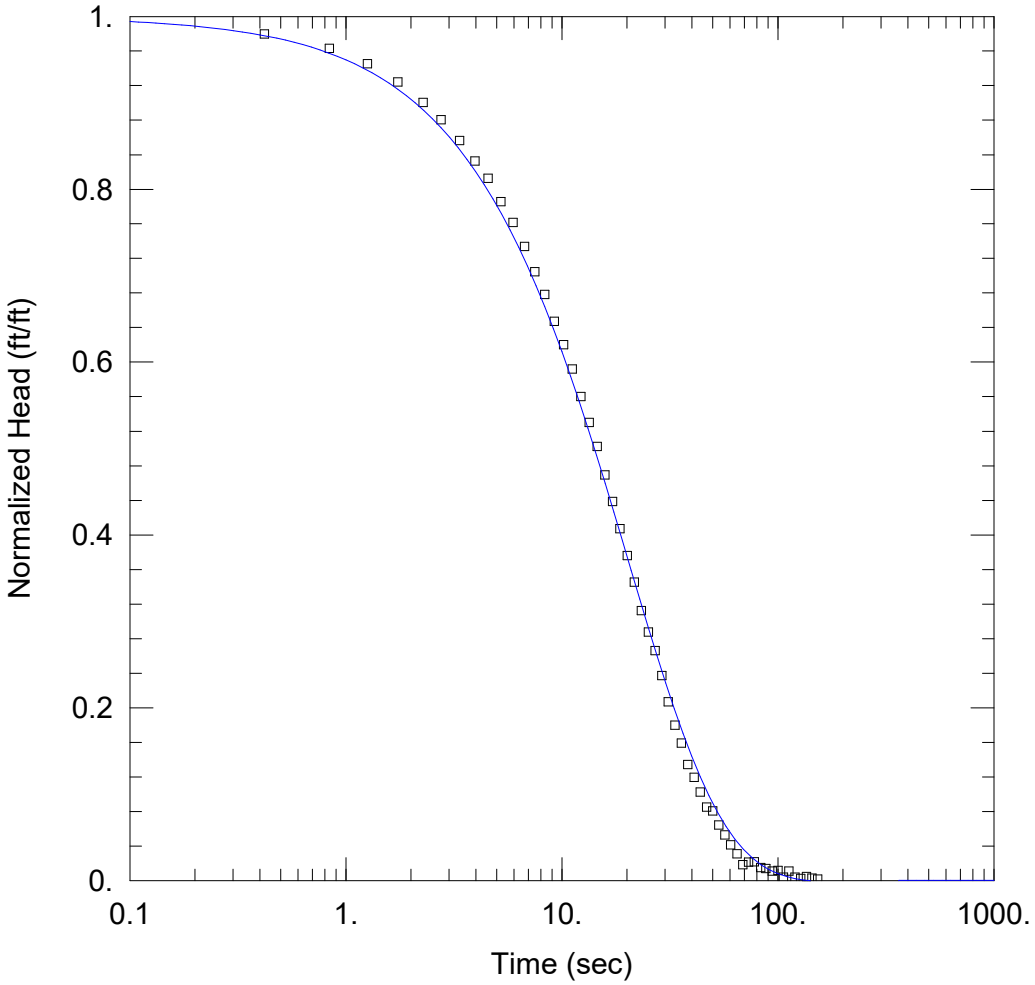
Saturated Thickness: 49.25 ft Anisotropy Ratio (Kz/Kr): 0.17

## WELL DATA (BW06008)

Initial Displacement: 1.741 ft Static Water Column Height: 49.25 ft
Total Well Penetration Depth: 49.25 ft Screen Length: 10. ft
Casing Radius: 0.083 ft Well Radius: 0.21 ft

## SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.002424 cm/sec y0 = 1.762 ft




## BW06008 FALLING HEAD TEST

Data Set: \...\BW06008_FH_KGS.aqt
Date: 03/17/25 Time: 14:15:24

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: BW06008
Test Date: 10/14/2024

## AQUIFER DATA

Saturated Thickness: 49.25 ft

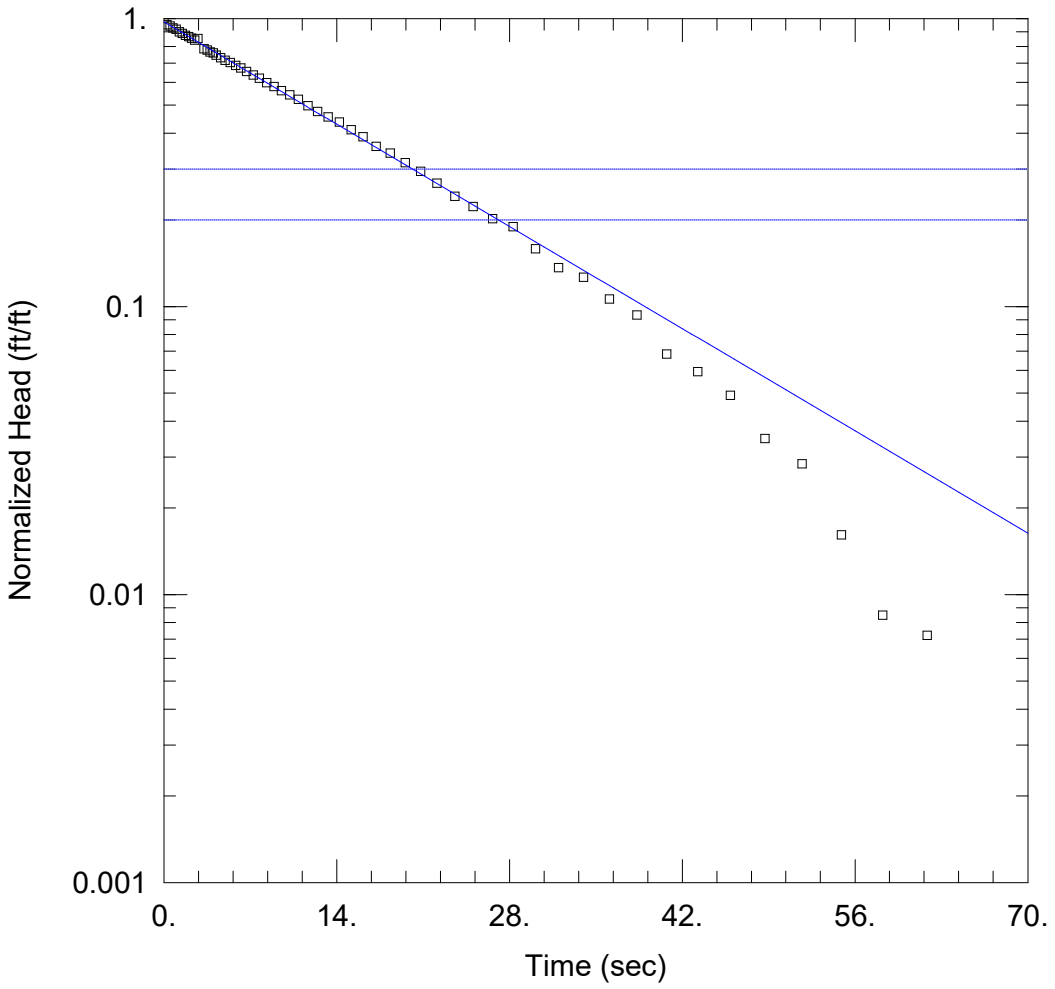
## WELL DATA (BW06008)

Initial Displacement: 1.741 ft
Total Well Penetration Depth: 49.25 ft
Casing Radius: 0.083 ft
Static Water Column Height: 49.25 ft
Screen Length: 10. ft
Well Radius: 0.21 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.002566 cm/sec
Kz/Kr = 0.17
Ss = 2.278E-8 $ft^{-1}$




## BW06008 RISING HEAD TEST

Data Set: X:\...\BW06008_RH_BR.aqt
Date: 01/07/25 Time: 15:18:57

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: BW06008
Test Date: 10/14/2024

## AQUIFER DATA

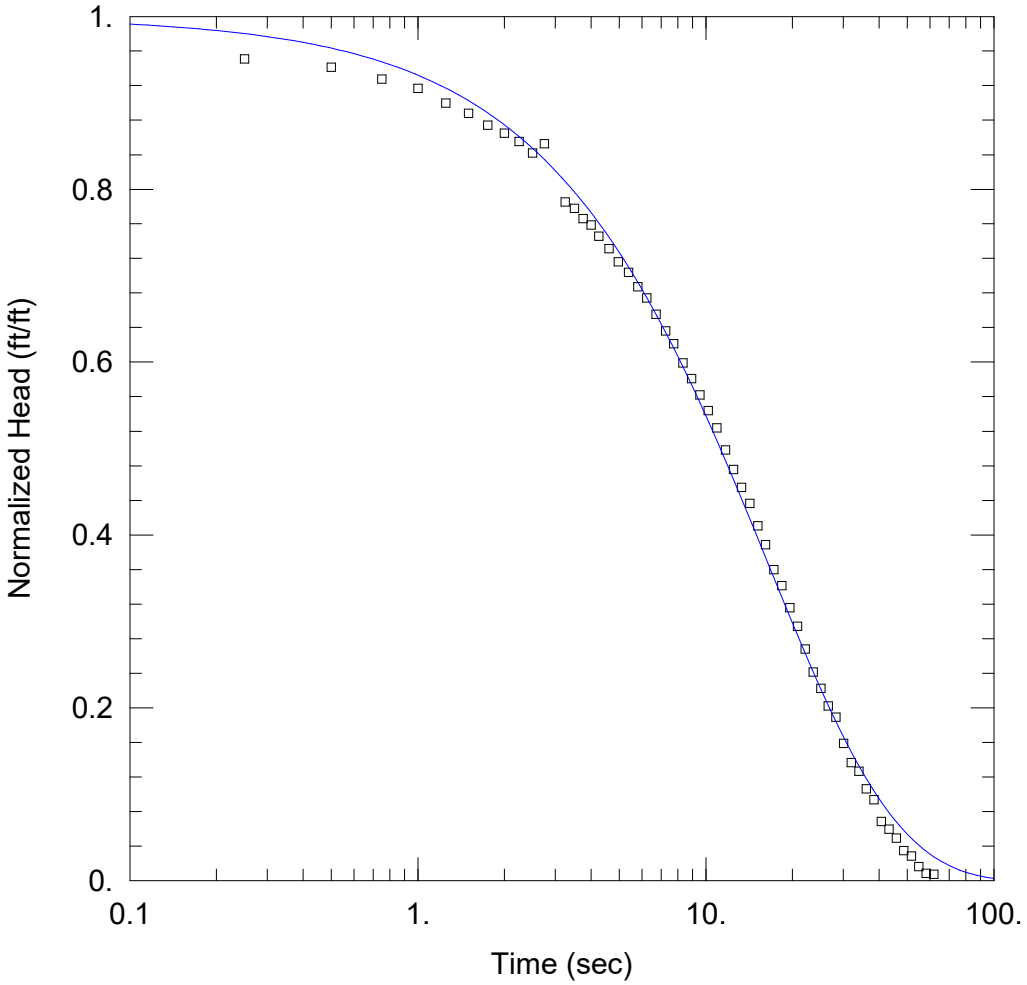
Saturated Thickness: 49.26 ft Anisotropy Ratio (Kz/Kr): 0.17

## WELL DATA (BW06008)

Initial Displacement: 2.357 ft
Total Well Penetration Depth: 49.26 ft
Casing Radius: 0.083 ft
Static Water Column Height: 49.26 ft
Screen Length: 10. ft
Well Radius: 0.21 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.002852 cm/sec
y0 = 2.295 ft




## BW06008 RISING HEAD TEST

Data Set: \...\BW06008_RH_KGS.aqt
Date: 03/17/25 Time: 14:17:54

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: BW06008
Test Date: 10/14/2024

## AQUIFER DATA

Saturated Thickness: 49.26 ft

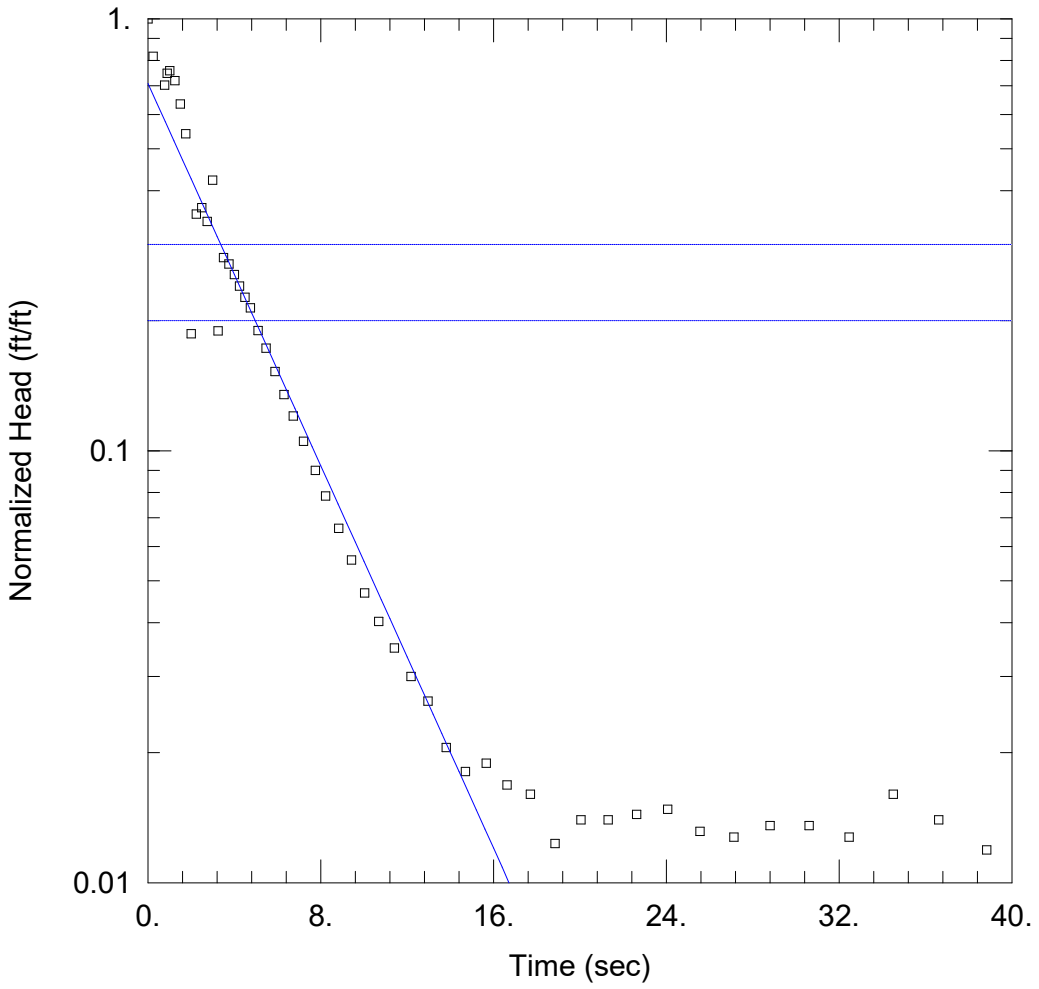
## WELL DATA (BW06008)

Initial Displacement: 2.357 ft
Total Well Penetration Depth: 49.26 ft
Casing Radius: 0.083 ft
Static Water Column Height: 49.26 ft
Screen Length: 10. ft
Well Radius: 0.21 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.00317 cm/sec
Kz/Kr = 0.17
Ss = 1.879E-7 $ft^{-1}$




## BW07001 FALLING HEAD TEST

Data Set: \...\BW07001_FH_BR.aqt
Date: 03/17/25 Time: 14:20:27

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: BW07001
Test Date: 10/18/2024

## AQUIFER DATA

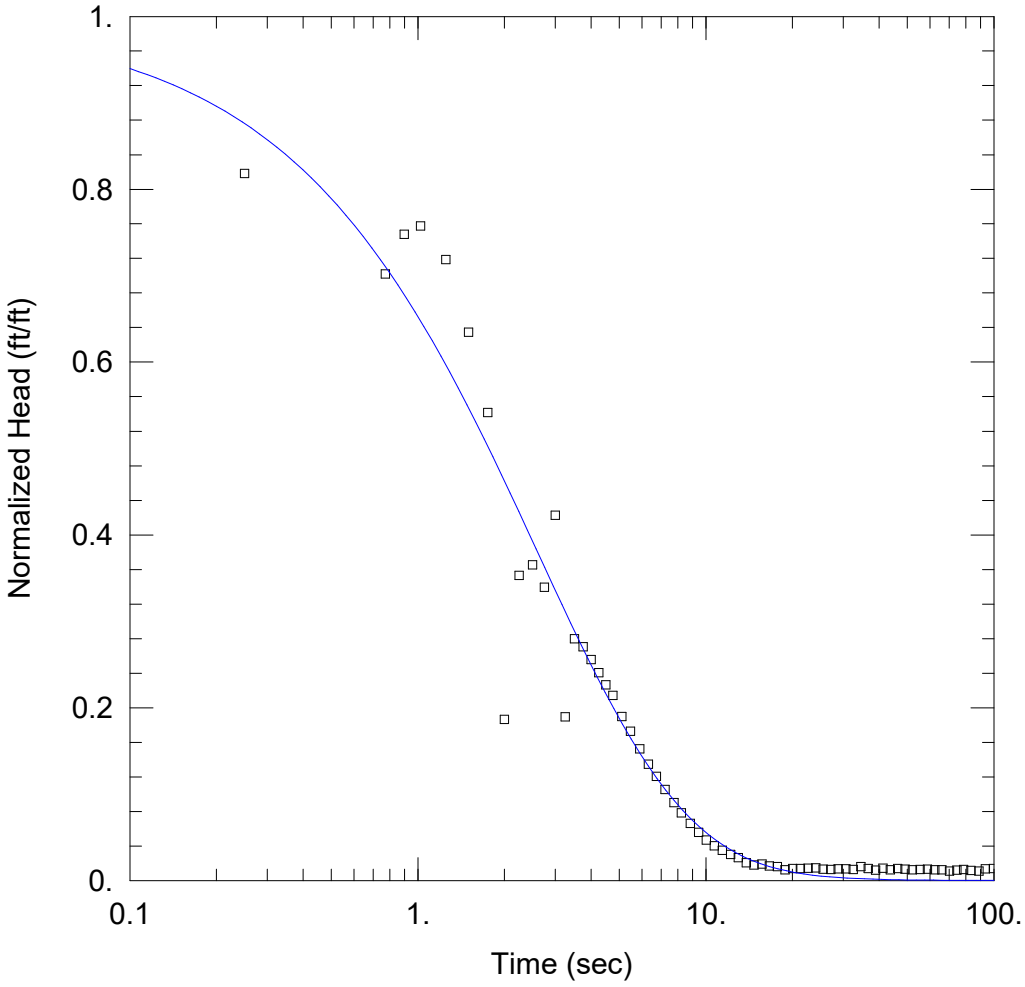
Saturated Thickness: 31.81 ft Anisotropy Ratio (Kz/Kr): 0.17

## WELL DATA (BW07001)

Initial Displacement: 2.433 ft Static Water Column Height: 31.81 ft
Total Well Penetration Depth: 31.81 ft Screen Length: 10. ft
Casing Radius: 0.083 ft Well Radius: 0.29 ft

## SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.01103 cm/sec y0 = 1.723 ft




## BW07001 FALLING HEAD TEST

Data Set: \...\BW07001_FH_KGS.aqt
Date: 03/17/25 Time: 14:24:15

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: BW07001
Test Date: 10/18/2024

## AQUIFER DATA

Saturated Thickness: 31.81 ft

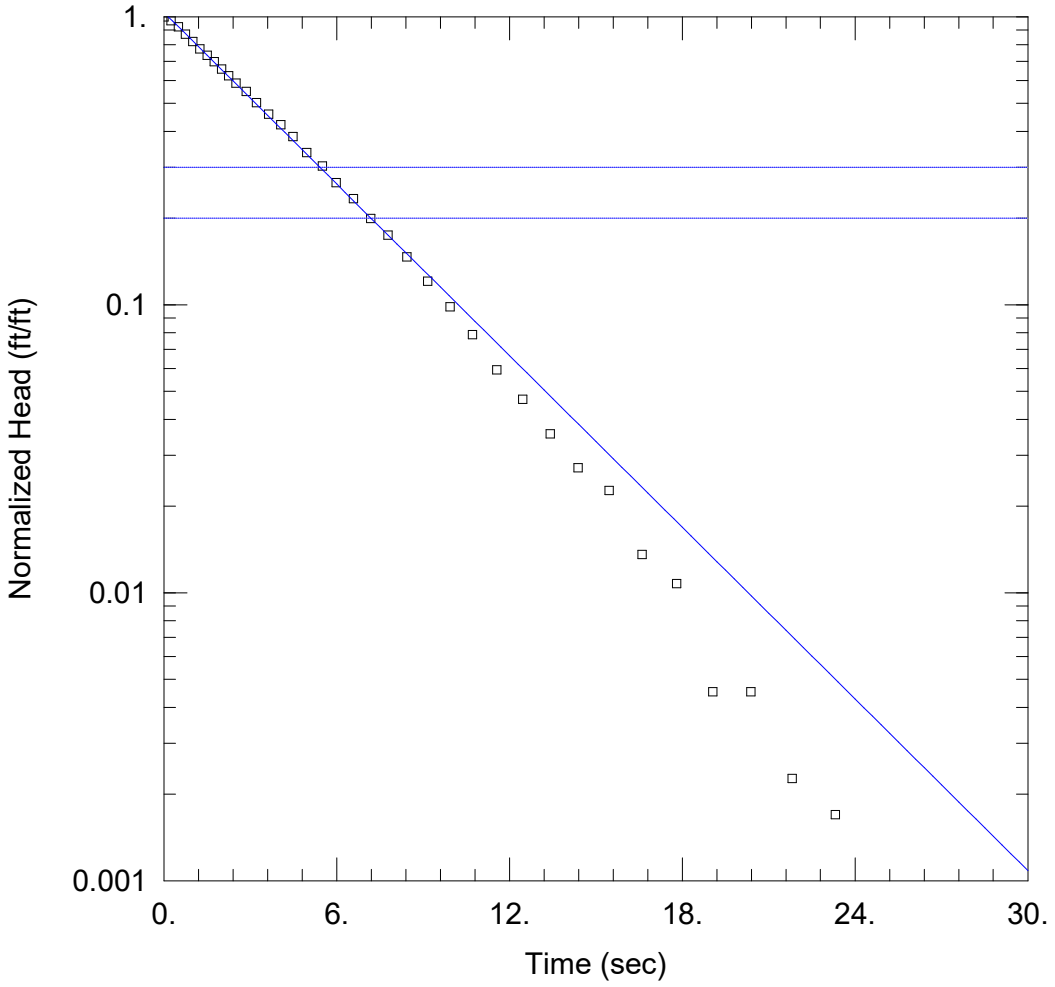
## WELL DATA (BW07001)

Initial Displacement: 2.433 ft
Total Well Penetration Depth: 31.81 ft
Casing Radius: 0.083 ft
Static Water Column Height: 31.81 ft
Screen Length: 10. ft
Well Radius: 0.29 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.01542 cm/sec
Kz/Kr = 0.17
Ss = 5.207E-6 $ft^{-1}$




## BW07001 RISING HEAD TEST

Data Set: \...\BW07001_RH_BR.aqt
Date: 03/17/25 Time: 14:26:06

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: BW07001
Test Date: 10/18/2024

## AQUIFER DATA

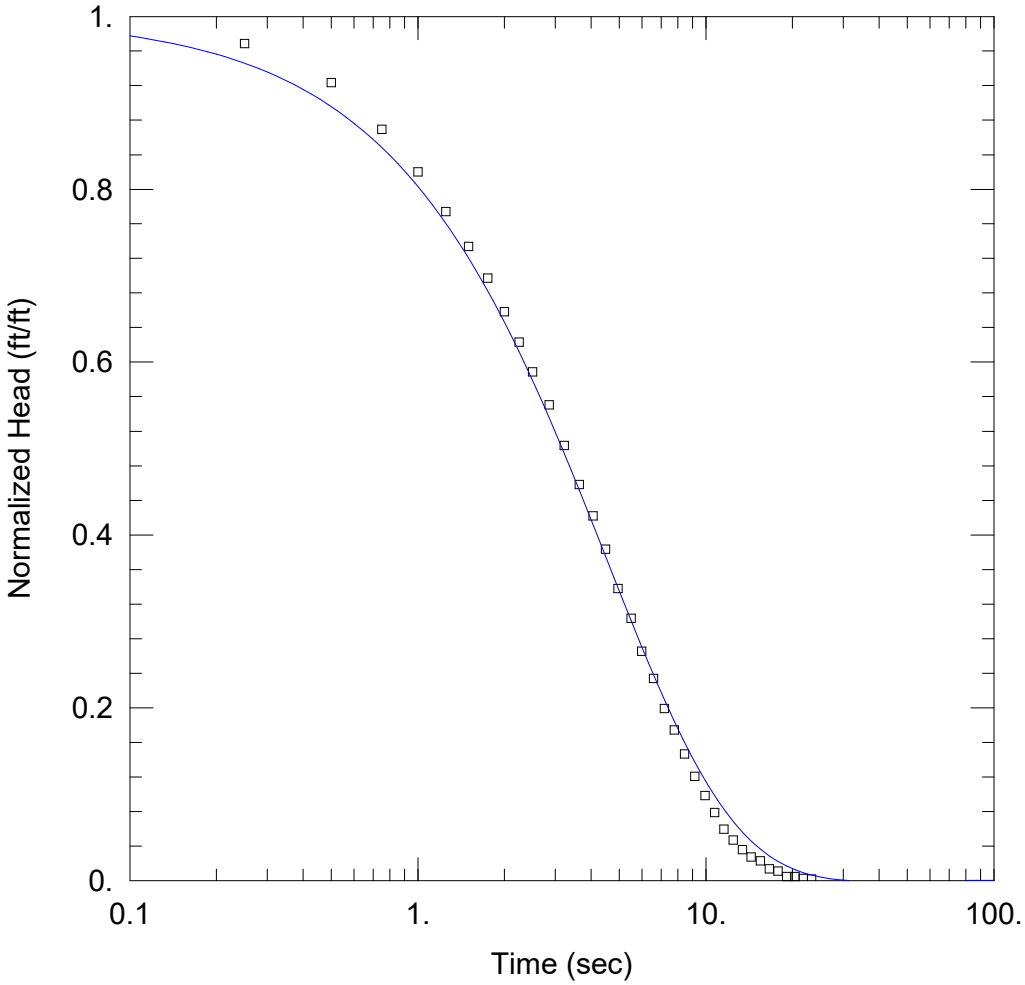
Saturated Thickness: 31.81 ft Anisotropy Ratio (Kz/Kr): 0.17

## WELL DATA (BW07001)

Initial Displacement: 1.767 ft
Total Well Penetration Depth: 31.81 ft
Casing Radius: 0.083 ft
Static Water Column Height: 31.81 ft
Screen Length: 10. ft
Well Radius: 0.29 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.009907 cm/sec
y0 = 1.83 ft




## BW07001 RISING HEAD TEST

Data Set: \...\BW07001_RH_KGS.aqt
Date: 03/17/25 Time: 14:27:33

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: BW07001
Test Date: 10/18/2024

## AQUIFER DATA

Saturated Thickness: 31.81 ft

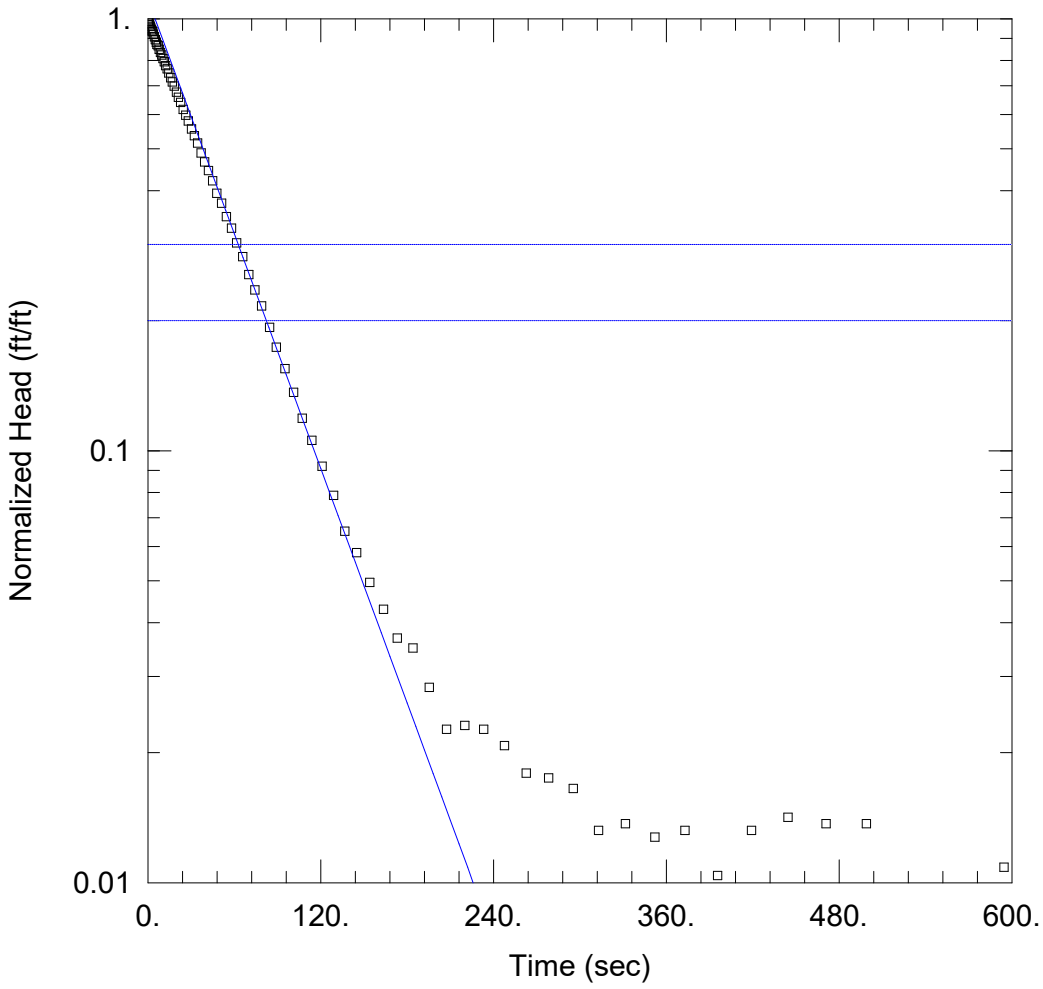
## WELL DATA (BW07001)

Initial Displacement: 1.767 ft
Total Well Penetration Depth: 31.81 ft
Casing Radius: 0.083 ft
Static Water Column Height: 31.81 ft
Screen Length: 10. ft
Well Radius: 0.29 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.01055 cm/sec
Kz/Kr = 0.17
Ss = 1.017E-8 $ft^{-1}$




## BW12006 FALLING HEAD TEST

Data Set: \...\BW12006_FH_BR.aqt
Date: 03/17/25 Time: 14:29:18

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: BW12006
Test Date: 10/16/2024

## AQUIFER DATA

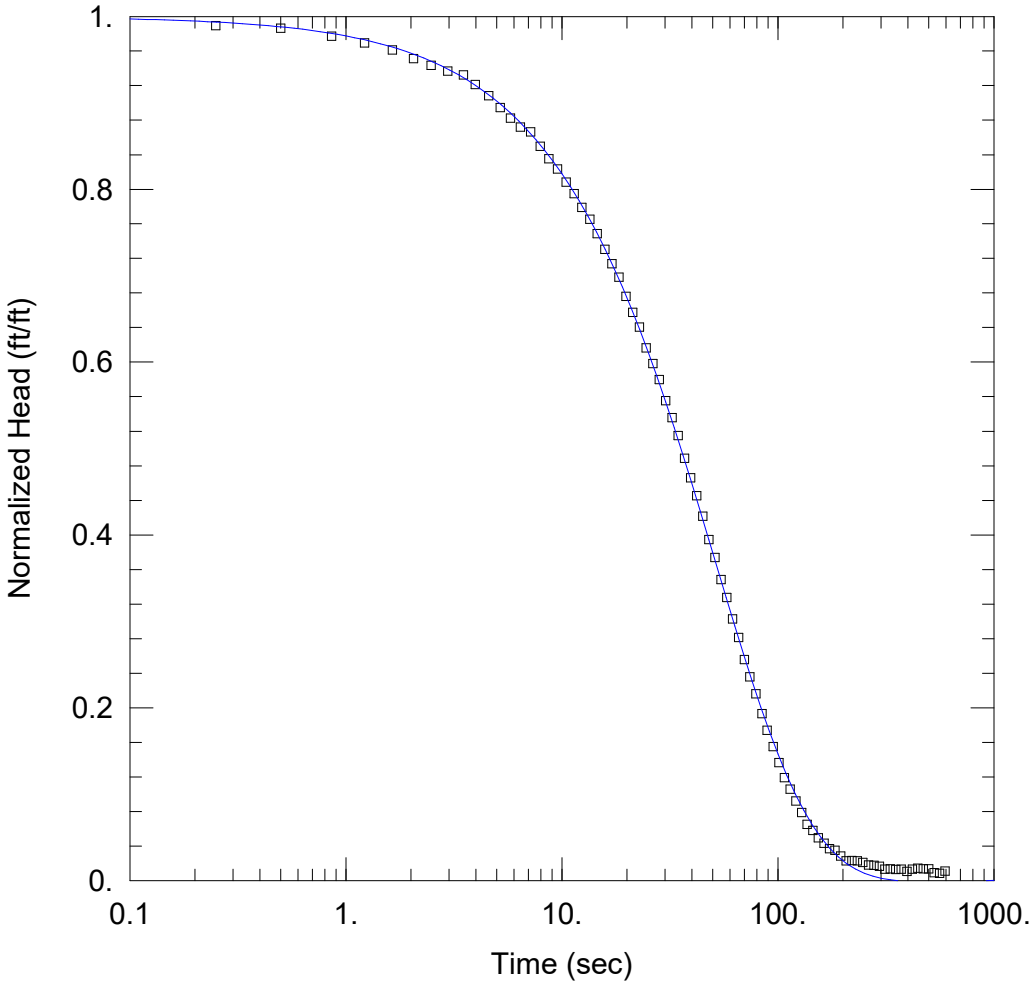
Saturated Thickness: 50.18 ft Anisotropy Ratio (Kz/Kr): 0.17

## WELL DATA (BW12006)

Initial Displacement: 2.118 ft Static Water Column Height: 50.18 ft
Total Well Penetration Depth: 50.18 ft Screen Length: 10. ft
Casing Radius: 0.083 ft Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.000988 cm/sec y0 = 2.347 ft




## BW12006 FALLING HEAD TEST

Data Set: \...\BW12006_FH_KGS.aqt
Date: 03/17/25 Time: 14:30:44

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: BW12006
Test Date: 10/16/2024

## AQUIFER DATA

Saturated Thickness: 50.18 ft

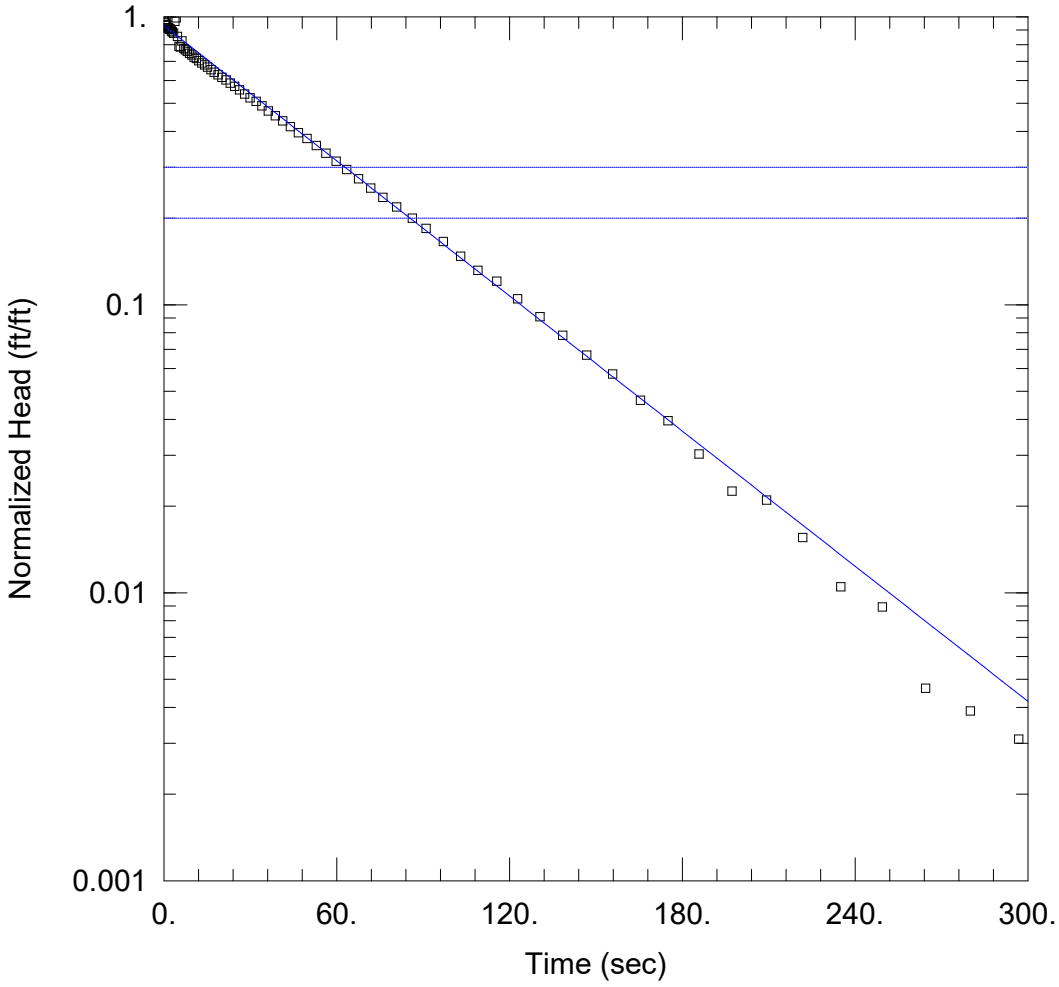
## WELL DATA (BW12006)

Initial Displacement: 2.118 ft
Total Well Penetration Depth: 50.18 ft
Casing Radius: 0.083 ft
Static Water Column Height: 50.18 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.0009818 cm/sec
Kz/Kr = 0.17
Ss = 5.861E-8 $ft^{-1}$




## BW12006 RISING HEAD TEST

Data Set: \...\BW12006_RH_BR.aqt
Date: 03/17/25 Time: 14:31:51

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: BW12006
Test Date: 10/16/2024

## AQUIFER DATA

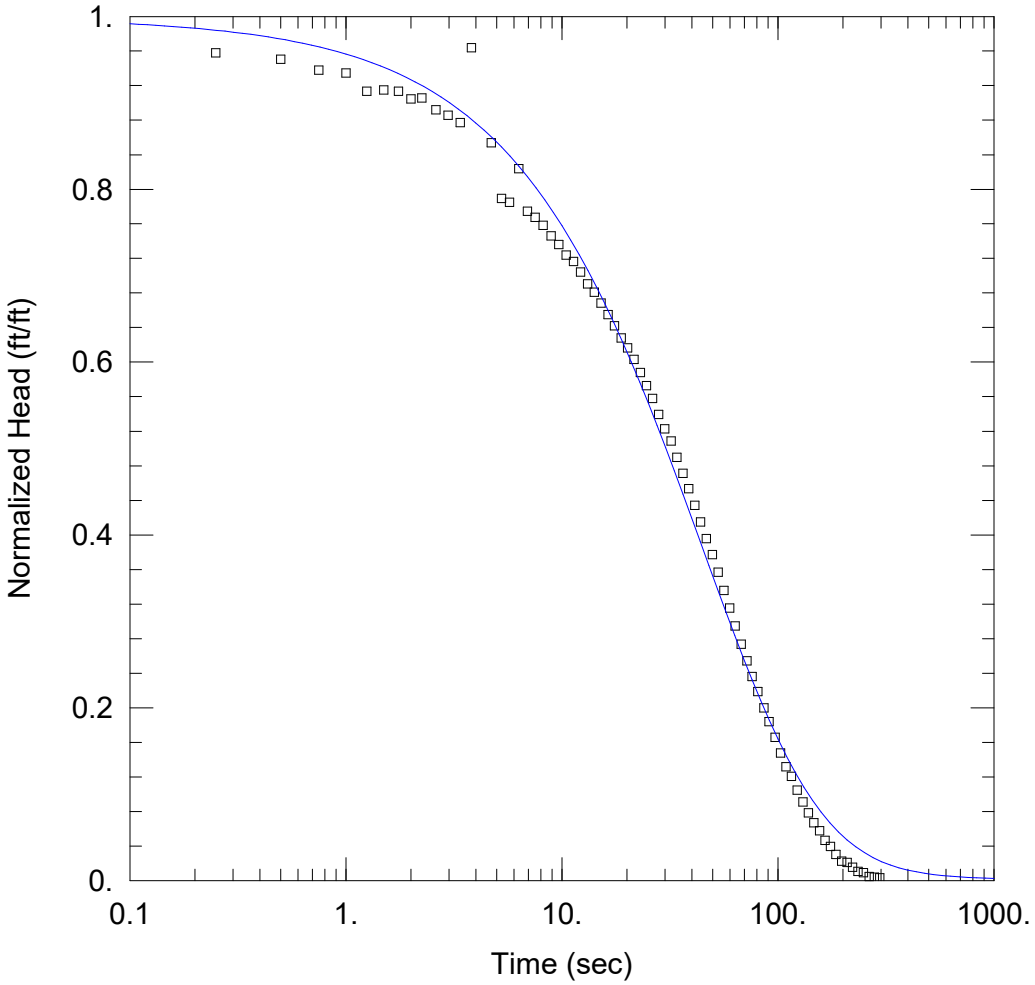
Saturated Thickness: 50.21 ft Anisotropy Ratio (Kz/Kr): 0.17

## WELL DATA (BW12006)

Initial Displacement: 2.576 ft Static Water Column Height: 50.21 ft
Total Well Penetration Depth: 50.21 ft Screen Length: 10. ft
Casing Radius: 0.083 ft Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.0008537 cm/sec y0 = 2.395 ft




## BW12006 RISING HEAD TEST

Data Set: \...\BW12006_RH_KGS.aqt
Date: 03/17/25 Time: 14:32:58

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: BW12006
Test Date: 10/16/2024

## AQUIFER DATA

Saturated Thickness: 50.21 ft

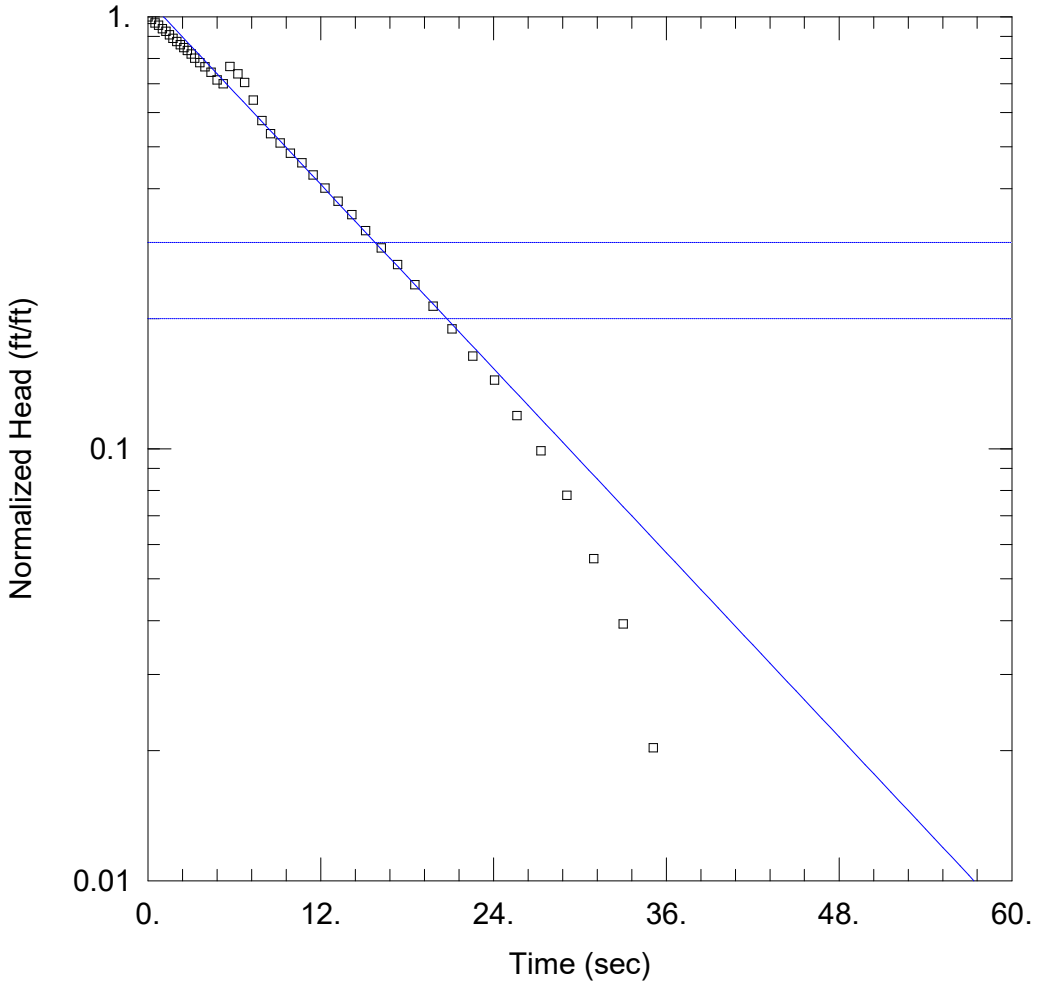
## WELL DATA (BW12006)

Initial Displacement: 2.576 ft
Total Well Penetration Depth: 50.21 ft
Casing Radius: 0.083 ft
Static Water Column Height: 50.21 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.0008251 cm/sec
Kz/Kr = 0.17
Ss = 1.477E-5 $ft^{-1}$




## JBW7326A FALLING HEAD TEST

Data Set: \...\JBW7326A_FH_BR.aqt
Date: 03/17/25 Time: 14:34:35

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: JBW7326A
Test Date: 7/18/2024

## AQUIFER DATA

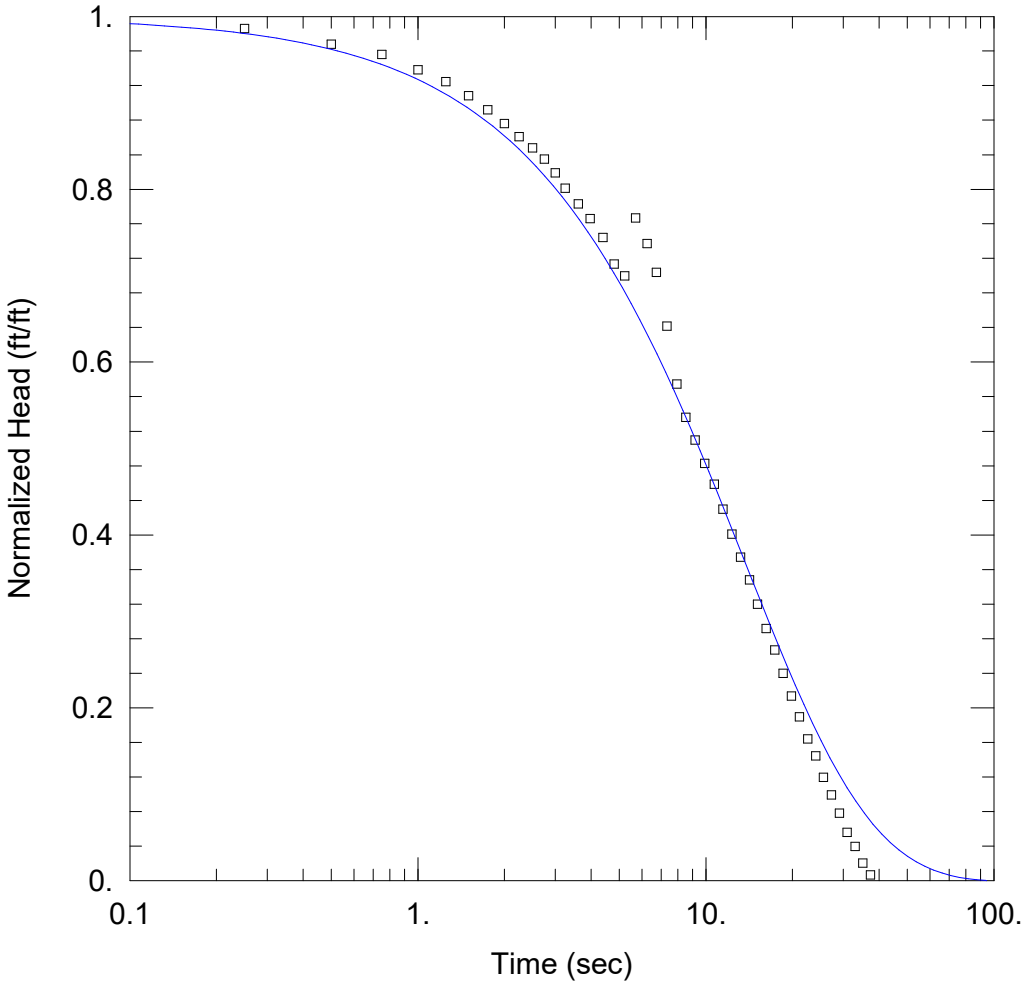
Saturated Thickness: 90.26 ft Anisotropy Ratio (Kz/Kr): 0.17

## WELL DATA (JBW7326A)

Initial Displacement: 1.526 ft
Total Well Penetration Depth: 90.26 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 90.26 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.0042 cm/sec
y0 = 1.667 ft




## JBW7326A FALLING HEAD TEST

Data Set: \...\JBW7326A_FH_KGS.aqt
Date: 03/17/25 Time: 14:36:34

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: JBW7326A
Test Date: 7/18/2024

## AQUIFER DATA

Saturated Thickness: 90.26 ft

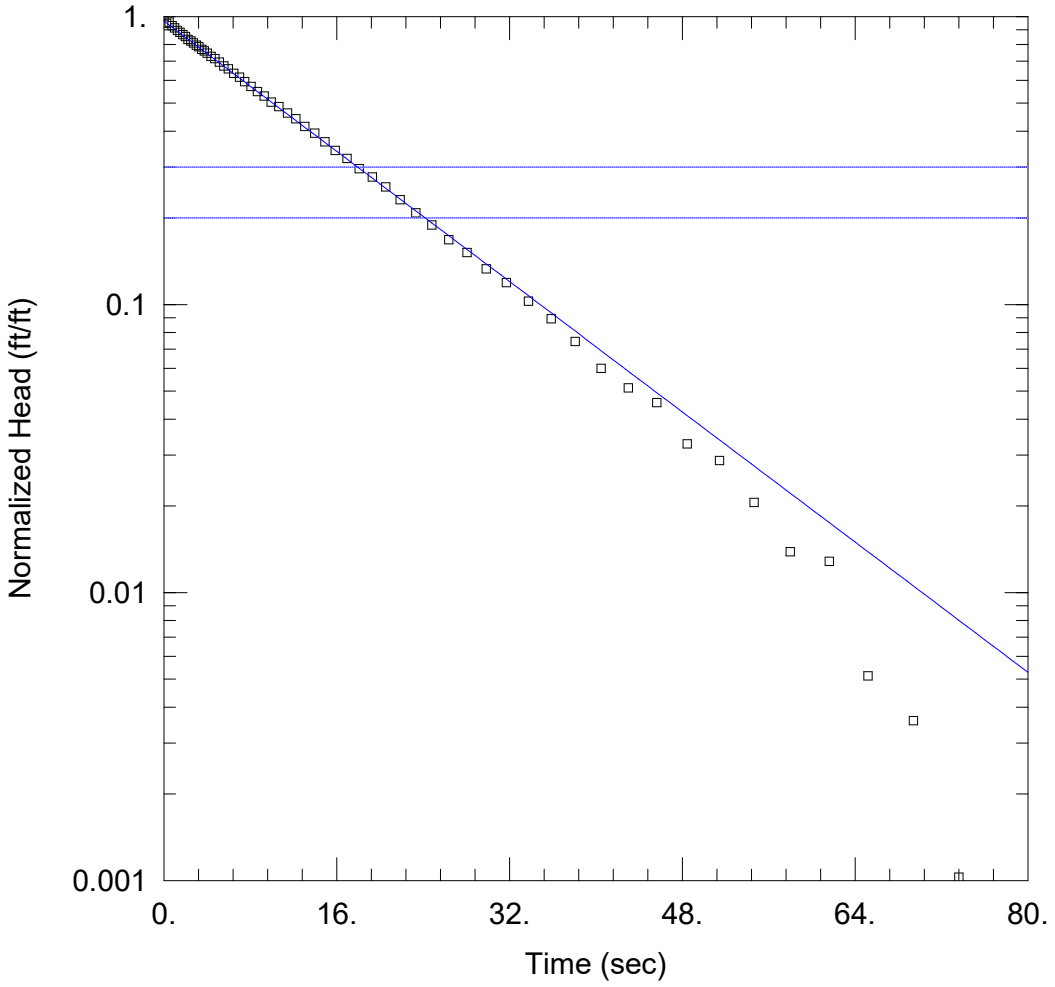
## WELL DATA (JBW7326A)

Initial Displacement: 1.526 ft
Total Well Penetration Depth: 90.26 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 90.26 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.003768 cm/sec
Kz/Kr = 0.17
Ss = 1.243E-8 $ft^{-1}$




## JBW7326A RISING HEAD TEST

Data Set: \...\JBW7326A_RH_BR.aqt
Date: 03/17/25 Time: 14:37:44

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: JBW7326A
Test Date: 7/18/2024

## AQUIFER DATA

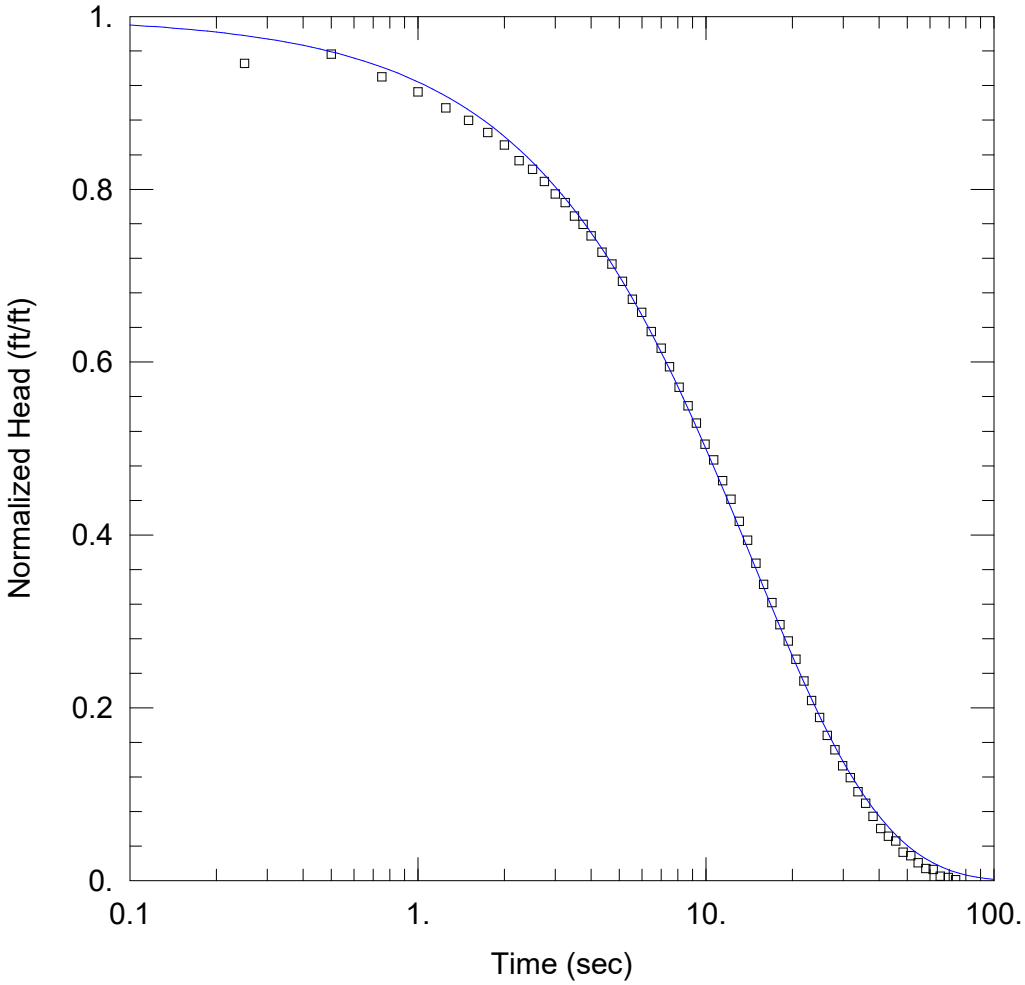
Saturated Thickness: 90.26 ft Anisotropy Ratio (Kz/Kr): 0.17

## WELL DATA (JBW7326A)

Initial Displacement: 1.949 ft
Total Well Penetration Depth: 90.26 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 90.26 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.003339 cm/sec
y0 = 1.877 ft




## JBW7326A RISING HEAD TEST

Data Set: \...\JBW7326A_RH_KGS.aqt
Date: 03/17/25 Time: 14:39:00

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: JBW7326A
Test Date: 7/18/2024

## AQUIFER DATA

Saturated Thickness: 90.26 ft

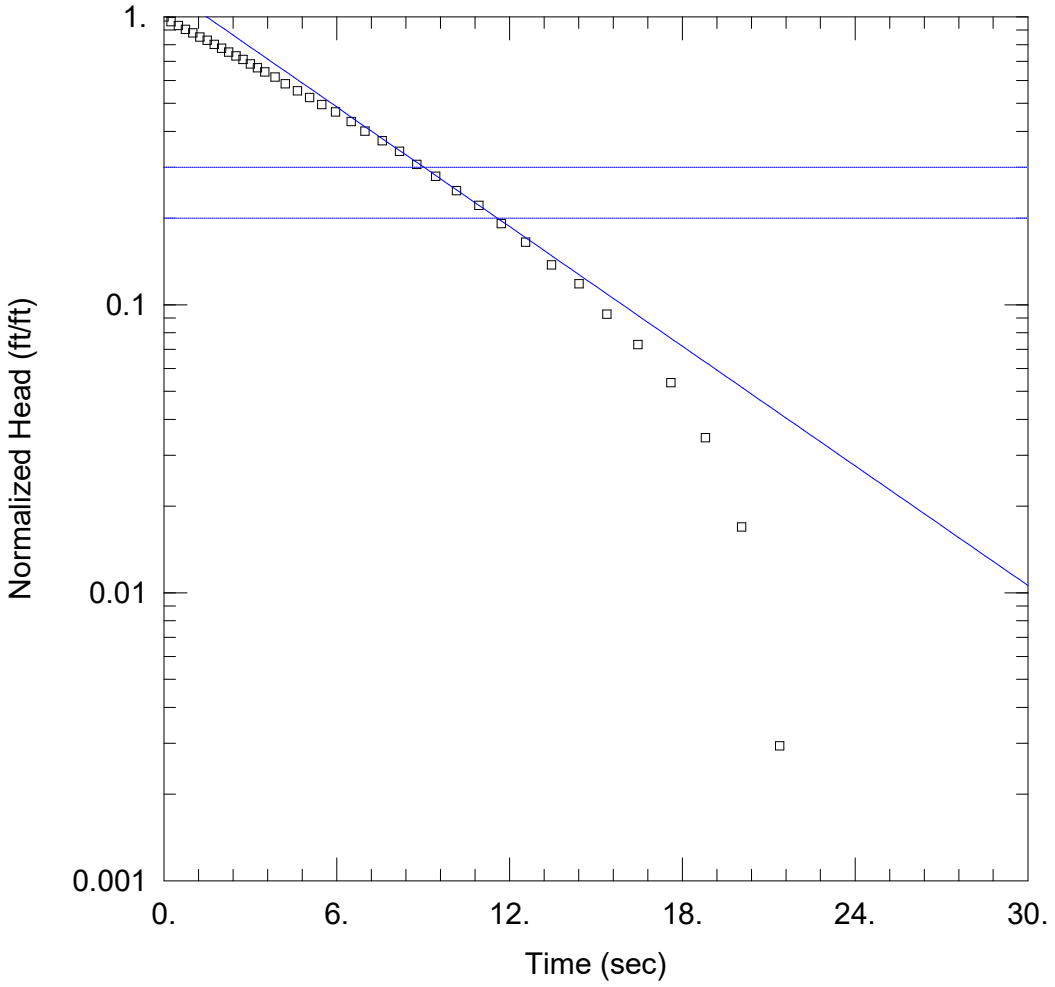
## WELL DATA (JBW7326A)

Initial Displacement: 1.949 ft
Total Well Penetration Depth: 90.26 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 90.26 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.003466 cm/sec
Kz/Kr = 0.17
Ss = 1.702E-7 $ft^{-1}$




## JBW7326B FALLING HEAD TEST

Data Set: \...\JBW7326B_FH_BR.aqt
Date: 03/17/25 Time: 14:46:17

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: JBW7326B
Test Date: 7/18/2024

## AQUIFER DATA

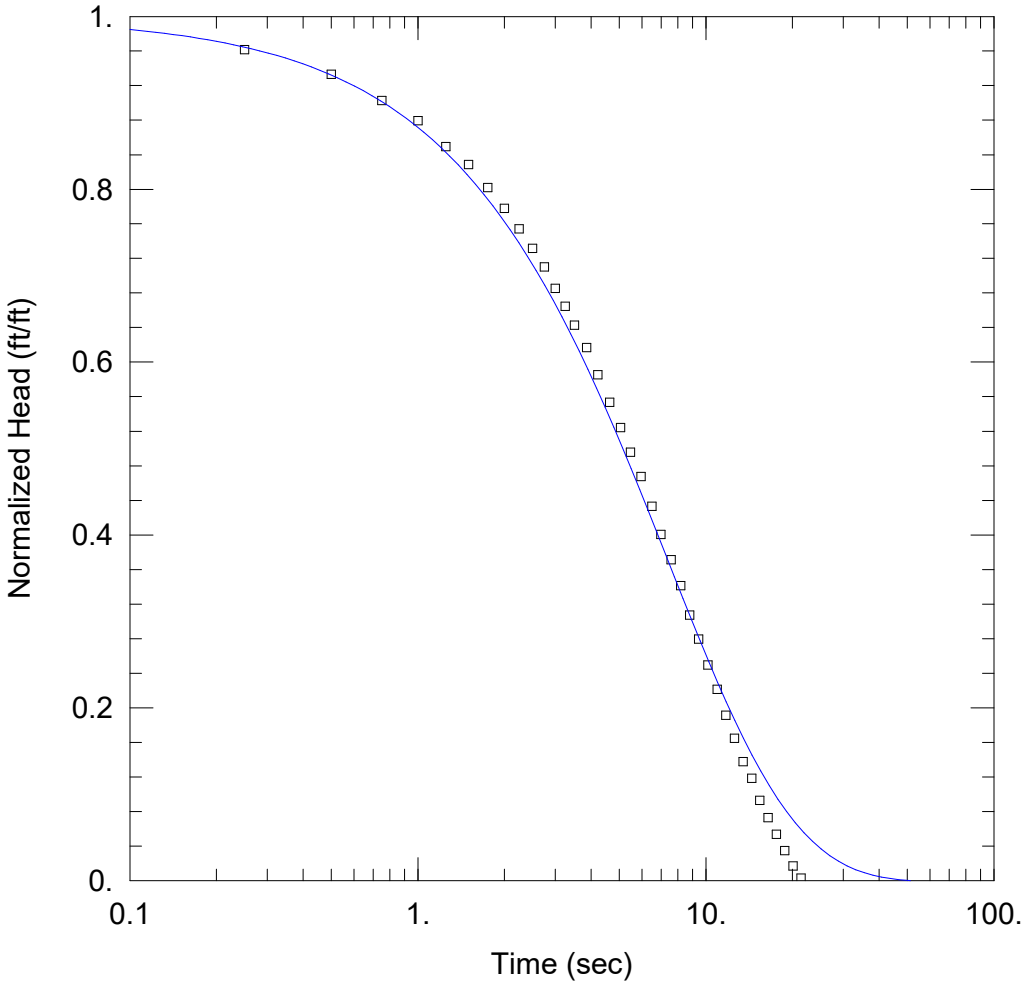
Saturated Thickness: 42.91 ft Anisotropy Ratio (Kz/Kr): 0.17

## WELL DATA (JBW7326B)

Initial Displacement: 1.36 ft
Total Well Penetration Depth: 42.91 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 42.91 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.007459 cm/sec
y0 = 1.721 ft




## JBW7326B FALLING HEAD TEST

Data Set: \...\JBW7326B_FH_KGS.aqt
Date: 03/17/25 Time: 14:45:02

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: JBW7326B
Test Date: 7/18/2024

## AQUIFER DATA

Saturated Thickness: 42.91 ft

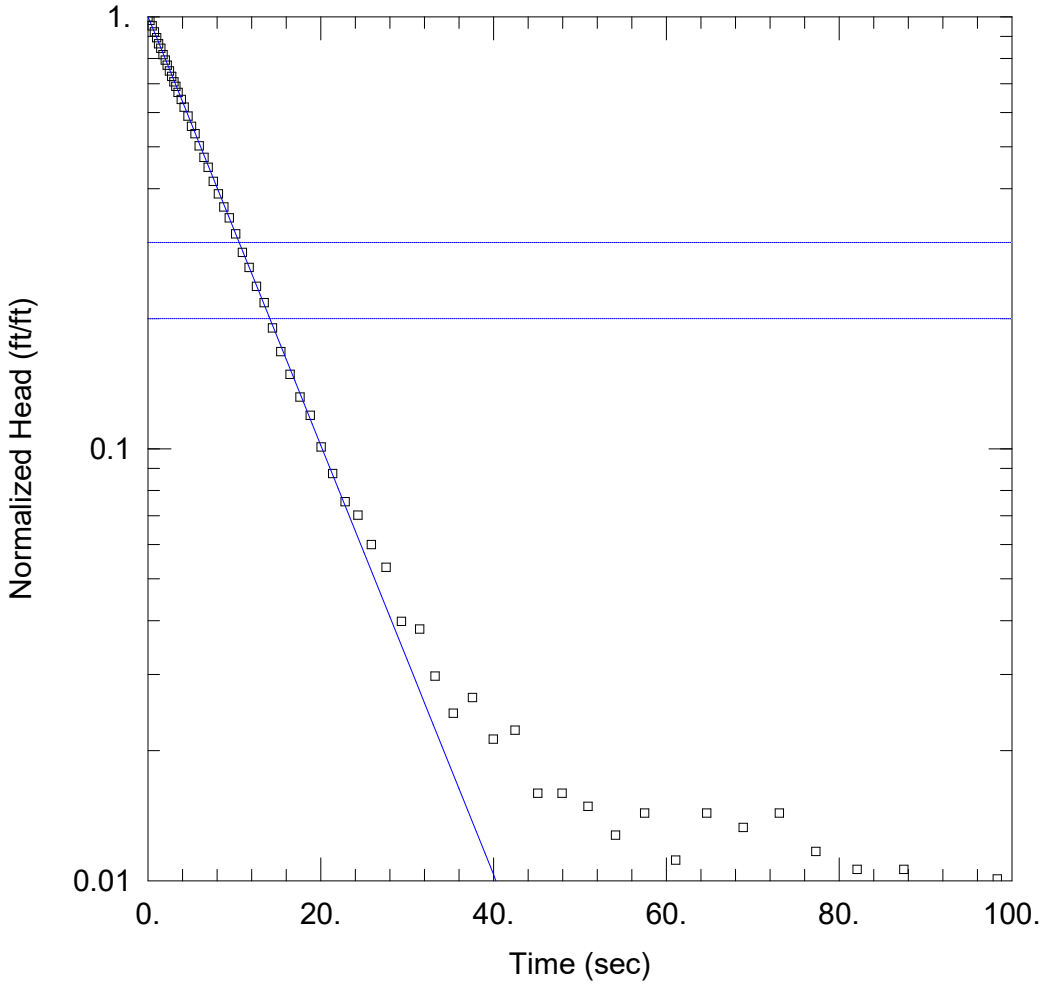
## WELL DATA (JBW7326B)

Initial Displacement: 1.36 ft
Total Well Penetration Depth: 42.91 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 42.91 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.006825 cm/sec
Kz/Kr = 0.17
Ss = 2.615E-8 $ft^{-1}$




## JBW7326B RISING HEAD TEST

Data Set: \...\JBW7326B_RH_BR.aqt
Date: 03/17/25 Time: 14:43:49

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: JBW7326B
Test Date: 7/18/2024

## AQUIFER DATA

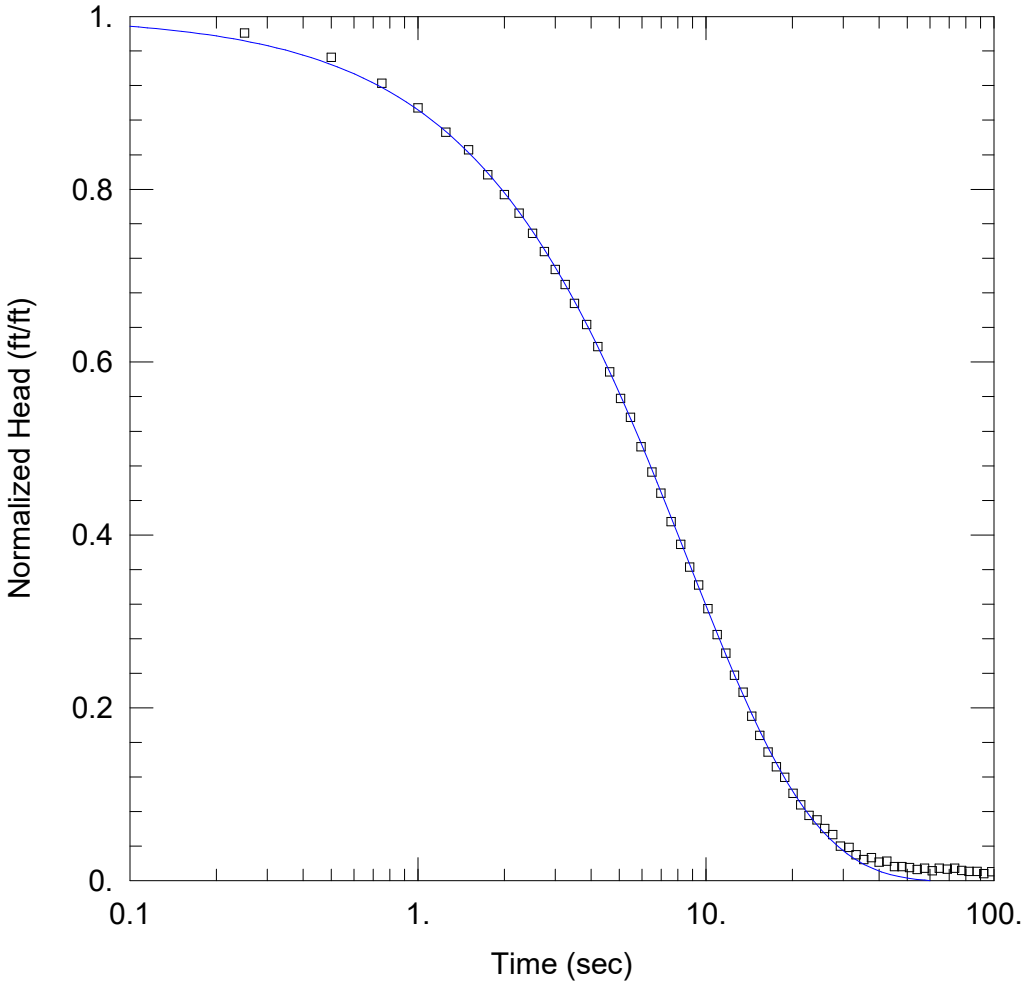
Saturated Thickness: 42.91 ft Anisotropy Ratio (Kz/Kr): 0.17

## WELL DATA (JBW7326B)

Initial Displacement: 1.882 ft
Total Well Penetration Depth: 42.91 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 42.91 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.005353 cm/sec
y0 = 1.89 ft




## JBW7326B RISING HEAD TEST

Data Set: \...\JBW7326B_RH_KGS.aqt
Date: 03/17/25 Time: 14:48:01

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: JBW7326B
Test Date: 7/18/2024

## AQUIFER DATA

Saturated Thickness: 42.91 ft

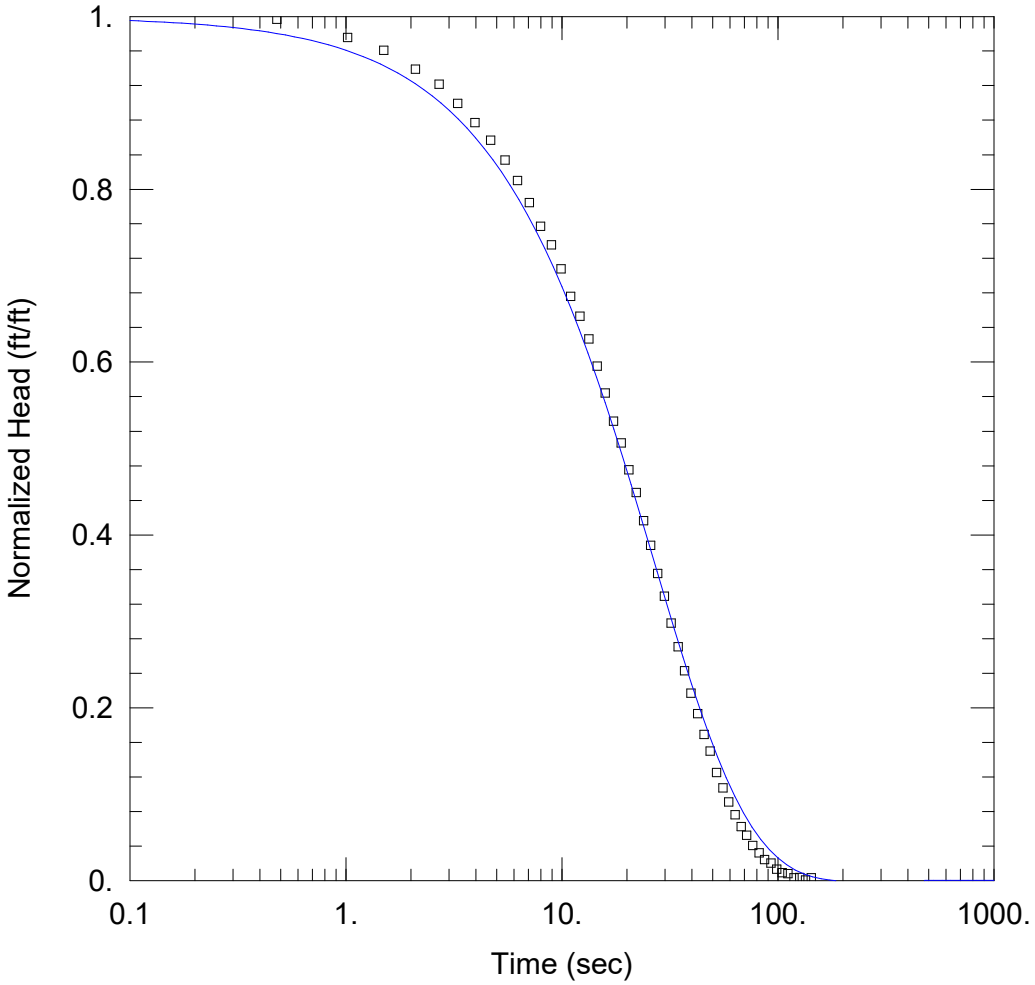
## WELL DATA (JBW7326B)

Initial Displacement: 1.882 ft
Total Well Penetration Depth: 42.91 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 42.91 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.005808 cm/sec
Kz/Kr = 0.17
Ss = 2.33E-12 $ft^{-1}$




## JBW7734 FALLING HEAD TEST

Data Set: \...\JBW7734_FH_KGS.aqt
Date: 03/17/25 Time: 14:56:48

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: JBW7734
Test Date: 10/16/2024

## AQUIFER DATA

Saturated Thickness: 37.24 ft

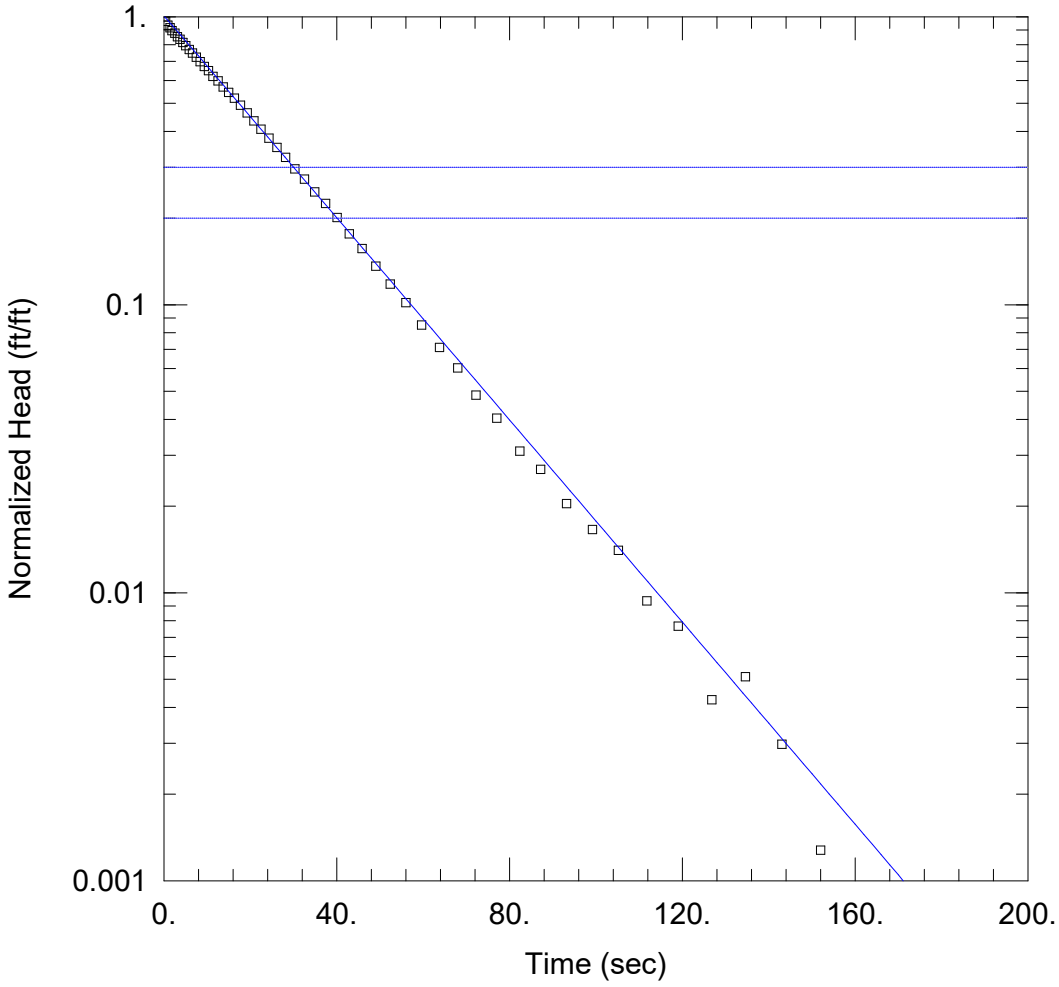
## WELL DATA (JBW7734)

Initial Displacement: 1.969 ft
Total Well Penetration Depth: 37.24 ft
Casing Radius: 0.083 ft
Static Water Column Height: 37.24 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.001869 cm/sec
Kz/Kr = 0.17
Ss = 3.013E-8 $ft^{-1}$




## JBW7734 RISING HEAD TEST

Data Set: \...\JBW7734_RH_BR.aqt
Date: 03/17/25 Time: 14:57:57

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: JBW7734
Test Date: 6/28/2024

## AQUIFER DATA

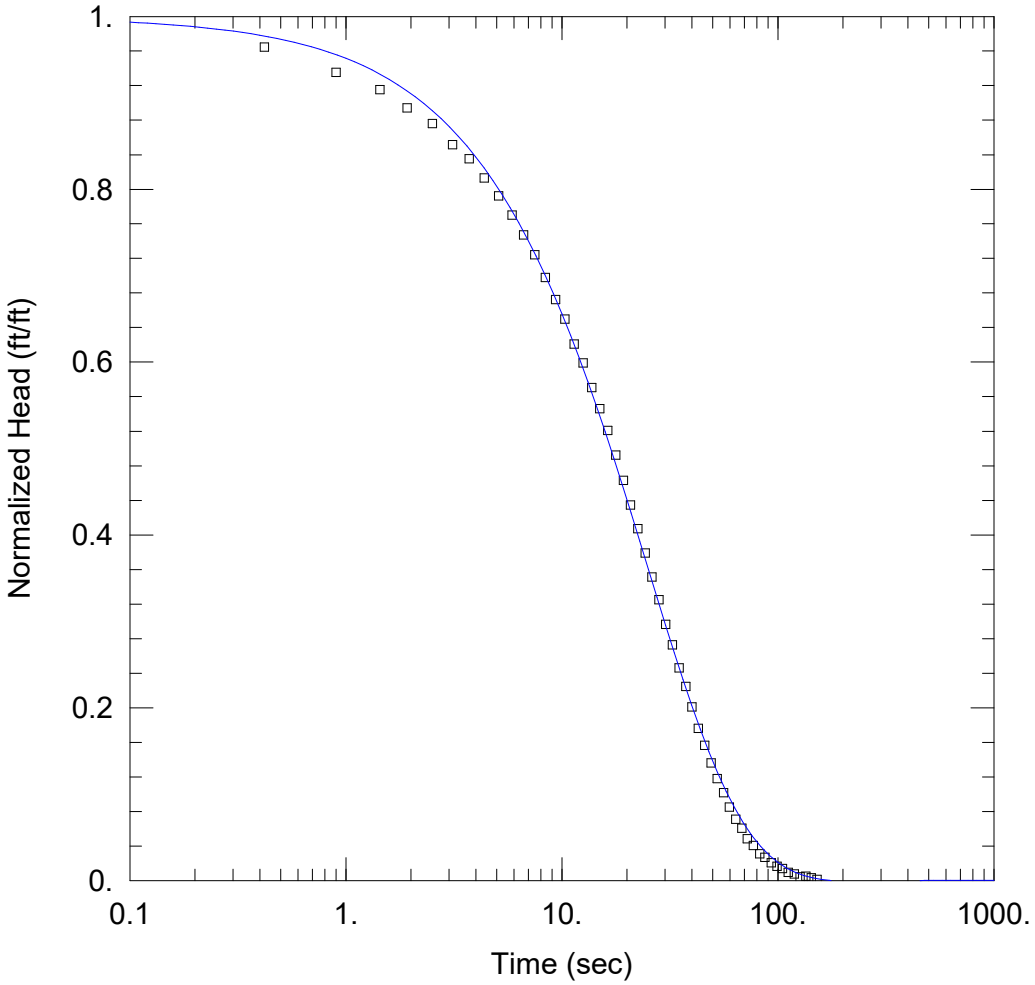
Saturated Thickness: 37.26 ft Anisotropy Ratio (Kz/Kr): 0.17

## WELL DATA (JBW7734)

Initial Displacement: 2.351 ft Static Water Column Height: 37.26 ft
Total Well Penetration Depth: 37.26 ft Screen Length: 10. ft
Casing Radius: 0.083 ft Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.001841 cm/sec y0 = 2.372 ft




## JBW7734 RISING HEAD TEST

Data Set: \...\JBW7734_RH_KGS.aqt
Date: 03/17/25 Time: 14:58:54

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: JBW7734
Test Date: 6/28/2024

## AQUIFER DATA

Saturated Thickness: 37.26 ft

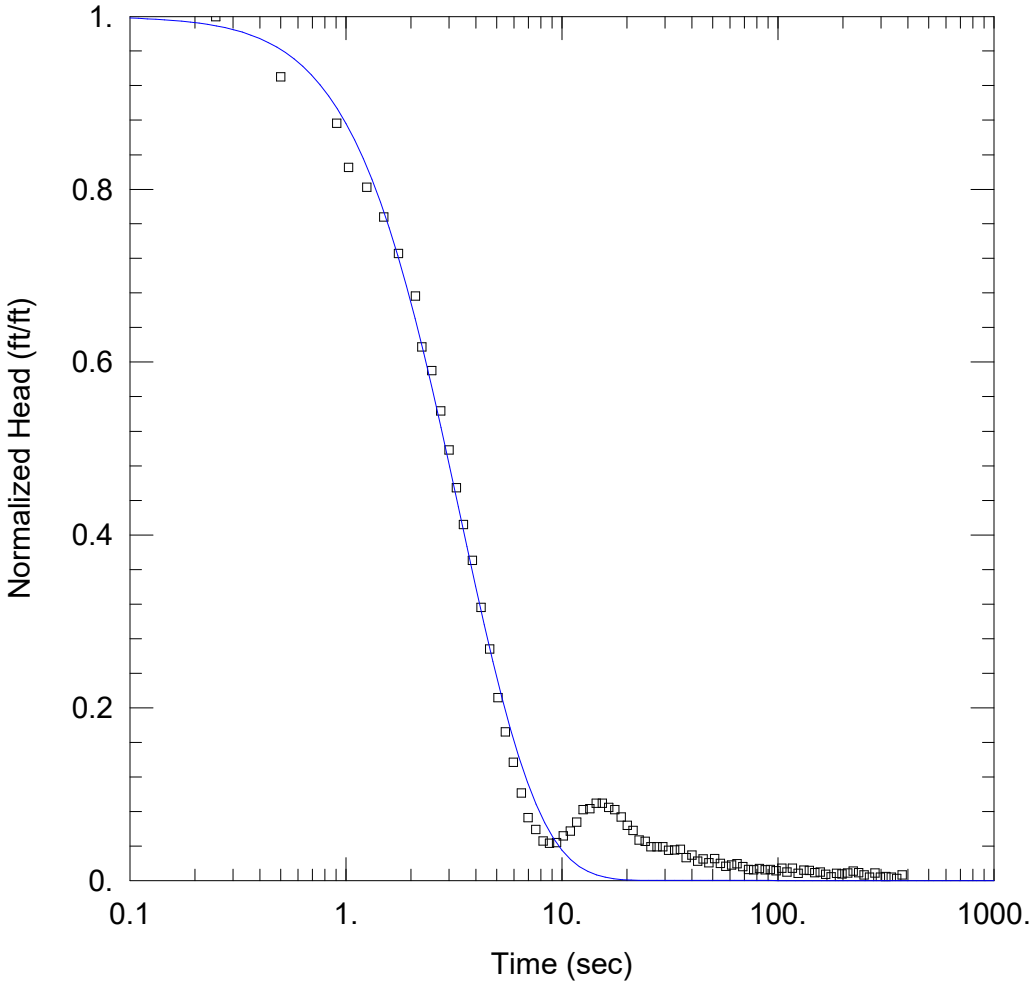
## WELL DATA (JBW7734)

Initial Displacement: 2.351 ft
Total Well Penetration Depth: 37.26 ft
Casing Radius: 0.083 ft
Static Water Column Height: 37.26 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.002023 cm/sec
Kz/Kr = 0.17
Ss = 2.461E-7 $ft^{-1}$




## JBW7737A RISING HEAD TEST

Data Set: X:\...\JBW7737A_RH_Butler.aqt
Date: 10/23/25 Time: 09:31:55

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: JBW7737A
Test Date: 10/16/2024

## AQUIFER DATA

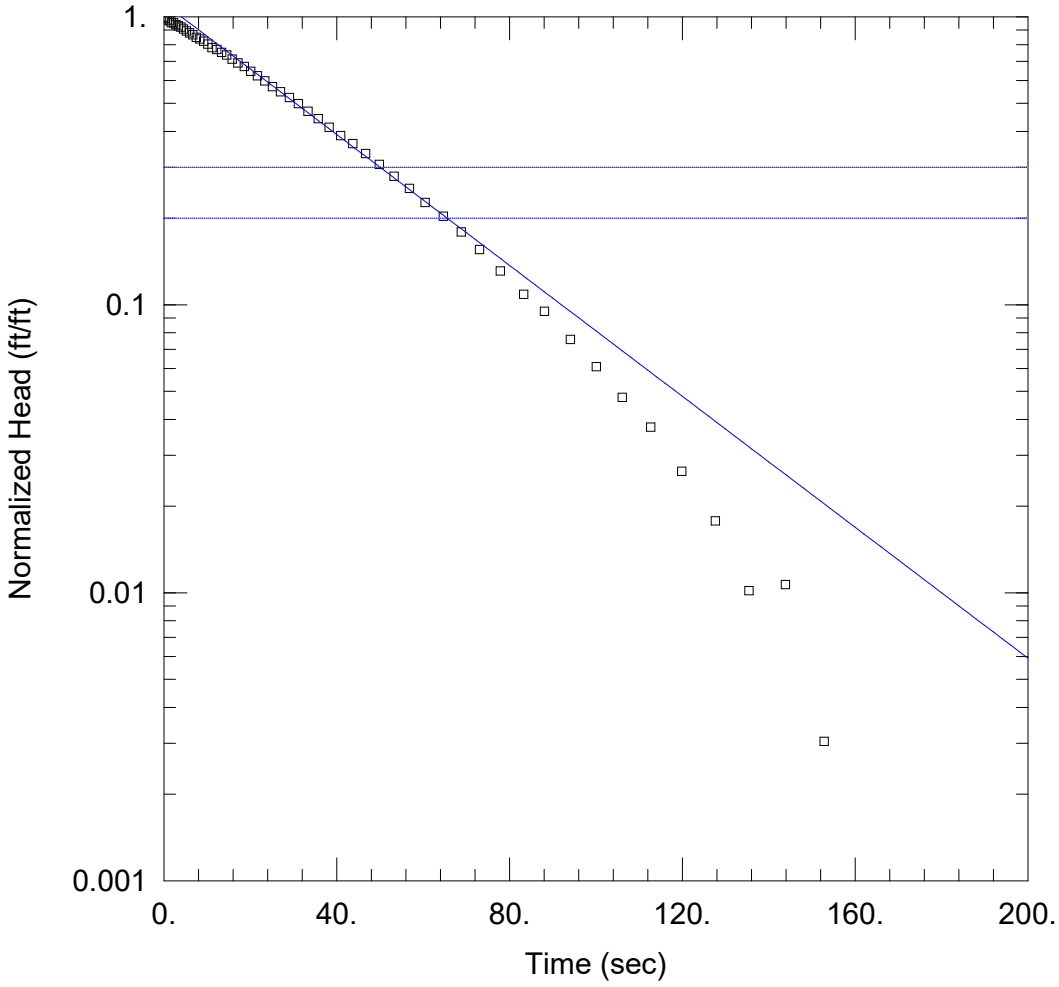
Saturated Thickness: 192. ft Anisotropy Ratio (Kz/Kr): 0.17

## WELL DATA (JBW7737A)

Initial Displacement: 2.318 ft
Total Well Penetration Depth: 192. ft
Casing Radius: 0.083 ft
Static Water Column Height: 192. ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Confined
Solution Method: Butler
K = 0.01533 cm/sec
Le = 83.59 ft




## JBW7737B FALLING HEAD TEST

Data Set: \...\JBW7737B_FH_BR.aqt
Date: 03/17/25 Time: 15:01:21

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: JBW7737B
Test Date: 10/16/2024

## AQUIFER DATA

Saturated Thickness: 27.82 ft Anisotropy Ratio (Kz/Kr): 0.18

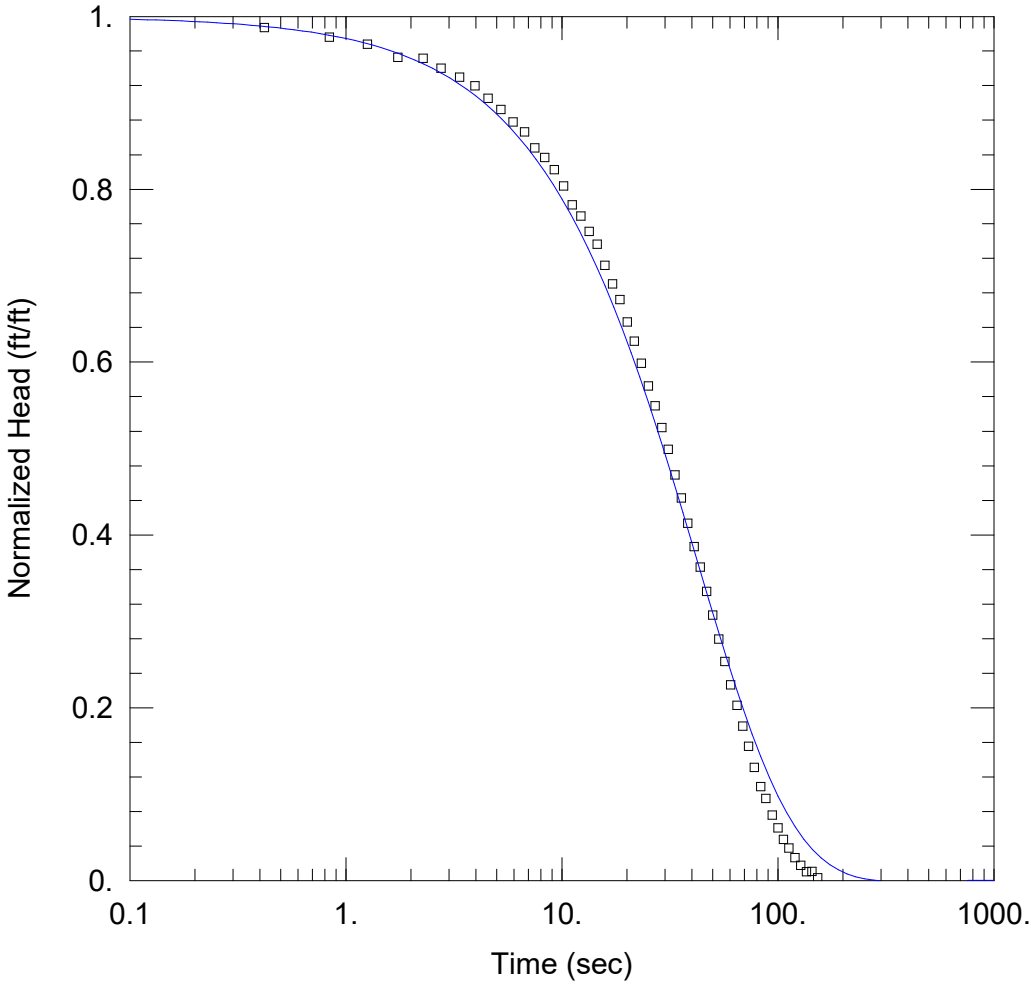
## WELL DATA (JBW7737B)

Initial Displacement: 1.969 ft
Total Well Penetration Depth: 27.82 ft
Casing Radius: 0.083 ft
Static Water Column Height: 27.82 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 0.001138 cm/sec y0 = 2.187 ft




## JBW7737B FALLING HEAD TEST

Data Set: \...\JBW7737B_FH_KGS.aqt
Date: 03/17/25 Time: 15:02:41

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: JBW7737B
Test Date: 10/16/2024

## AQUIFER DATA

Saturated Thickness: 27.82 ft

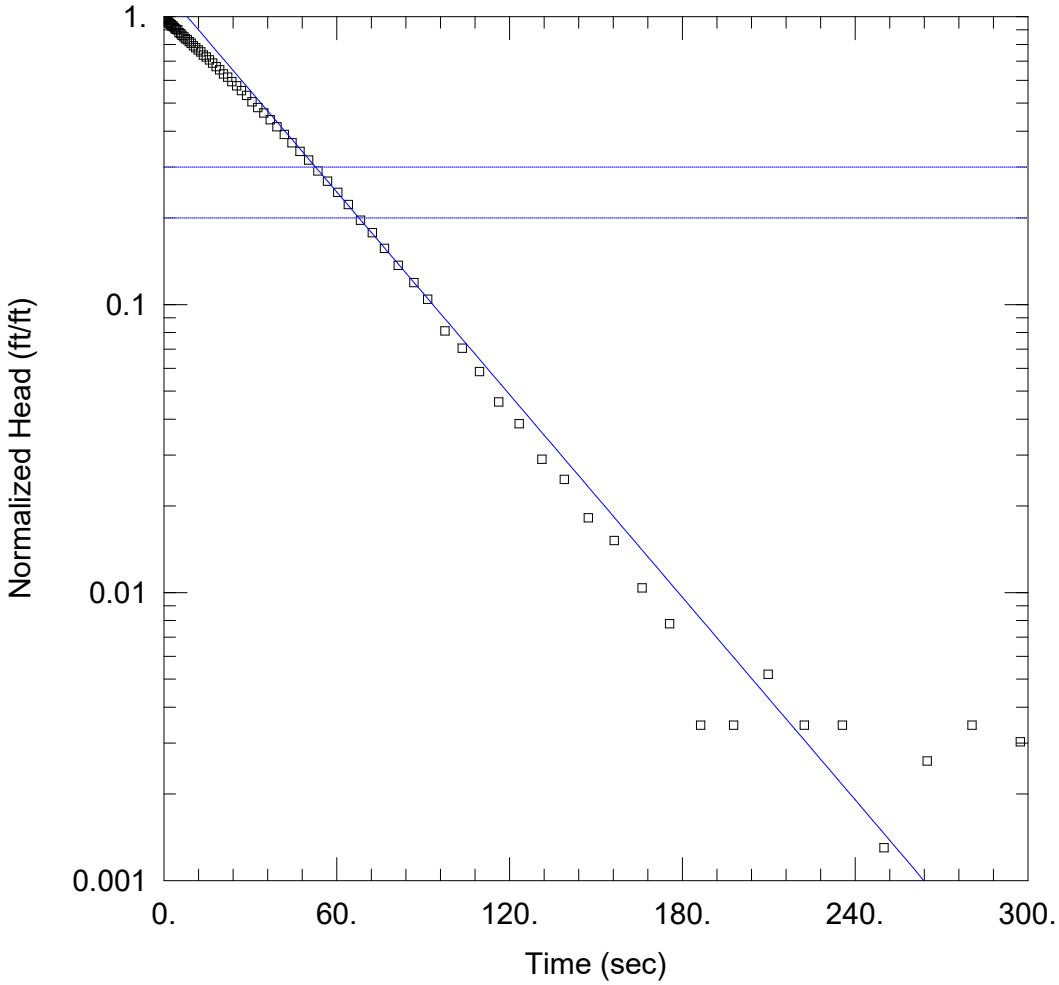
## WELL DATA (JBW7737B)

Initial Displacement: 1.969 ft
Total Well Penetration Depth: 27.82 ft
Casing Radius: 0.083 ft
Static Water Column Height: 27.82 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.001154 cm/sec
Kz/Kr = 0.18
Ss = 4.033E-8 $ft^{-1}$




## JBW7737B RISING HEAD TEST

Data Set: \...\JBW7737B_RH_BR.aqt
Date: 03/17/25 Time: 15:04:09

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: JBW7737B
Test Date: 10/16/2024

## AQUIFER DATA

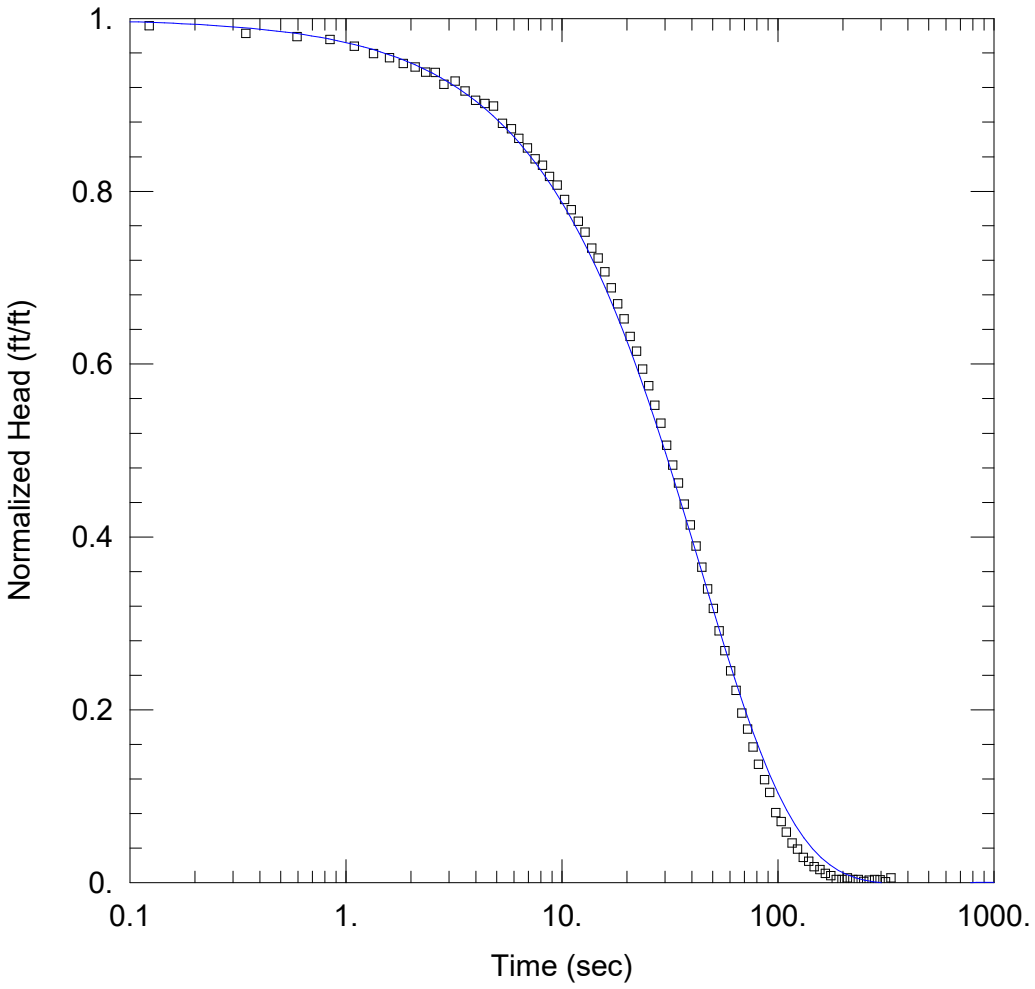
Saturated Thickness: 27.27 ft
Anisotropy Ratio (Kz/Kr): 0.17

## WELL DATA (JBW7737B)

Initial Displacement: 2.31 ft
Total Well Penetration Depth: 27.27 ft
Casing Radius: 0.083 ft
Static Water Column Height: 27.27 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.001177 cm/sec
y0 = 2.871 ft




## JBW7737B RISING HEAD TEST

Data Set: \...\JBW7737B_RH_KGS.aqt
Date: 03/17/25 Time: 15:05:27

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: JBW7737B
Test Date: 10/16/2024

## AQUIFER DATA

Saturated Thickness: 27.27 ft

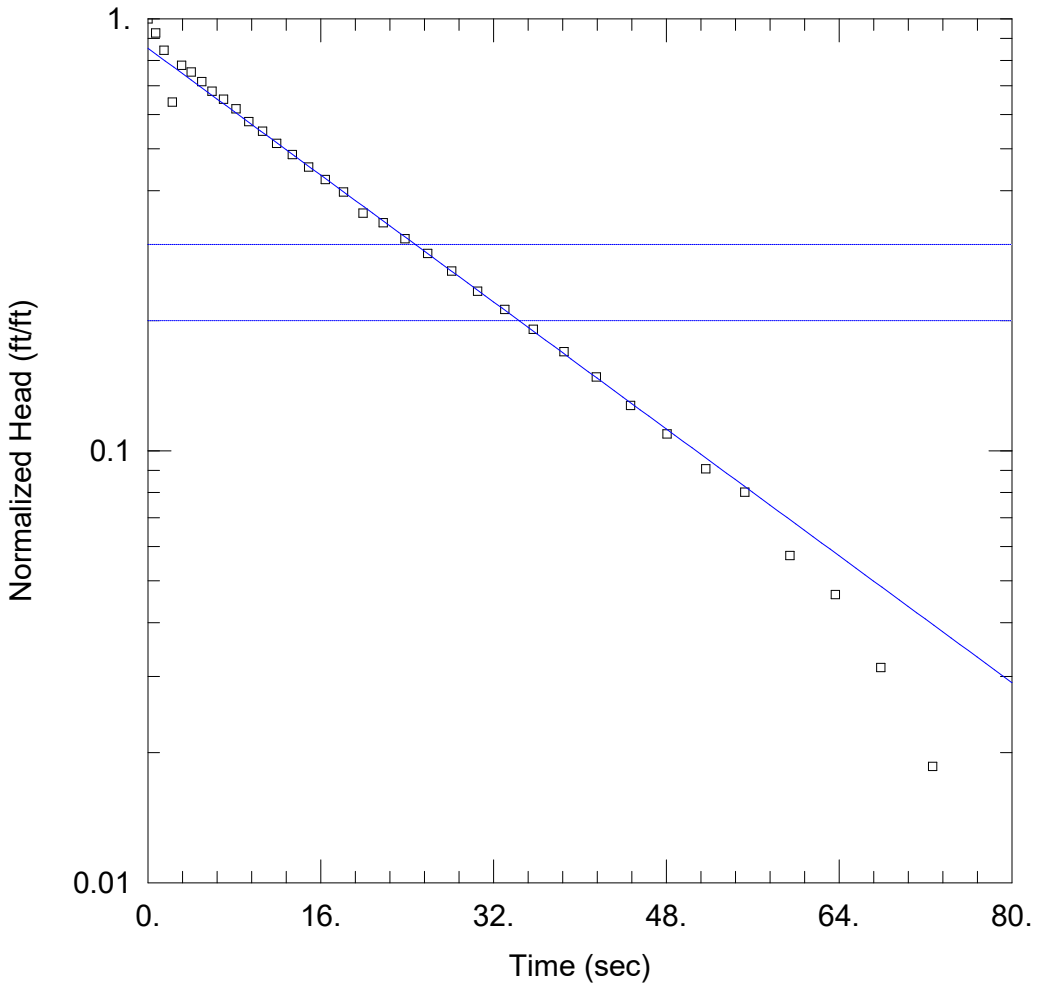
## WELL DATA (JBW7737B)

Initial Displacement: 2.31 ft
Total Well Penetration Depth: 27.27 ft
Casing Radius: 0.083 ft
Static Water Column Height: 27.27 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.001136 cm/sec
Kz/Kr = 0.17
Ss = 1.536E-7 $ft^{-1}$




## JBW7738A FALLING HEAD TEST

Data Set: \...\JBW7738A_FH_BR.aqt
Date: 03/17/25 Time: 15:08:42

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: JBW7738A
Test Date: 7/18/2024

## AQUIFER DATA

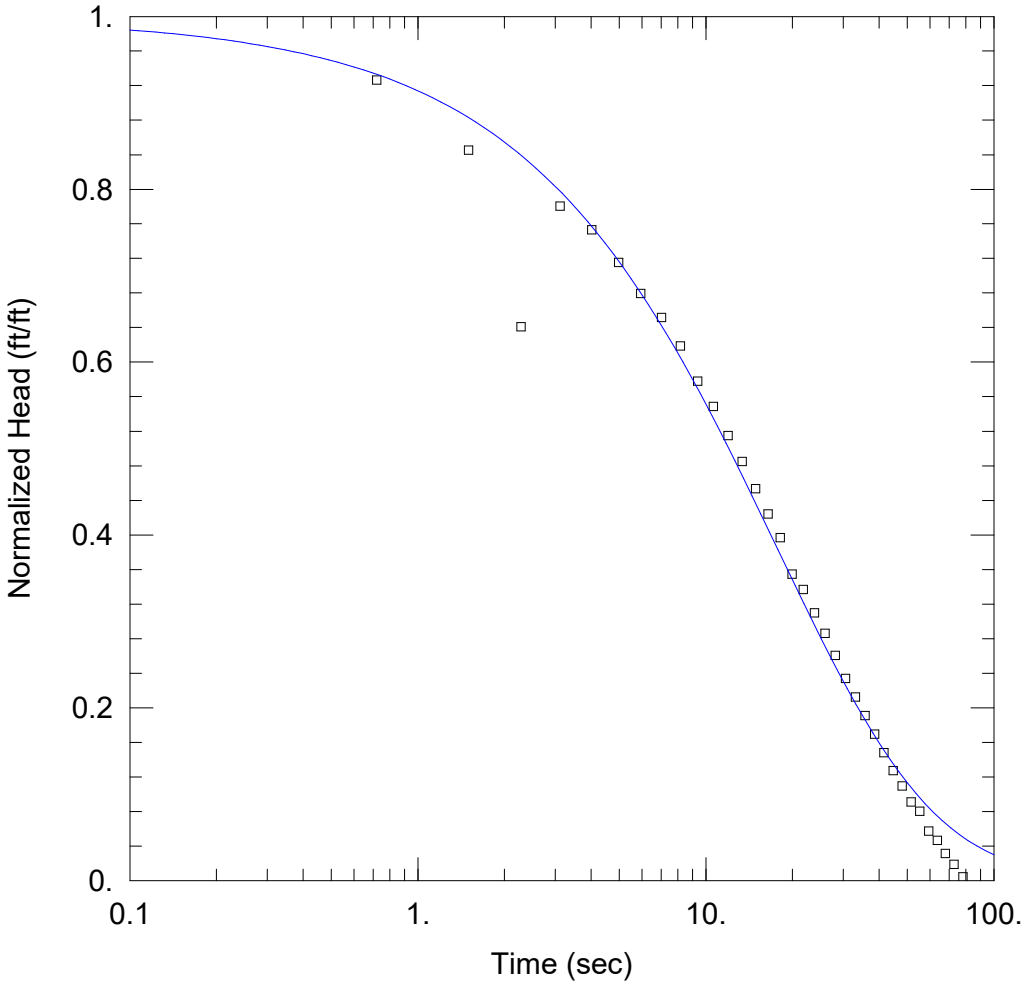
Saturated Thickness: 95.69 ft Anisotropy Ratio (Kz/Kr): 0.17

## WELL DATA (JBW7738A)

Initial Displacement: 1.398 ft
Total Well Penetration Depth: 95.69 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 95.69 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.002183 cm/sec
y0 = 1.194 ft




## JBW7738A FALLING HEAD TEST

Data Set: \...\JBW7738A_FH_KGS.aqt
Date: 03/17/25 Time: 15:10:13

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: JBW7738A
Test Date: 7/18/2024

## AQUIFER DATA

Saturated Thickness: 95.69 ft

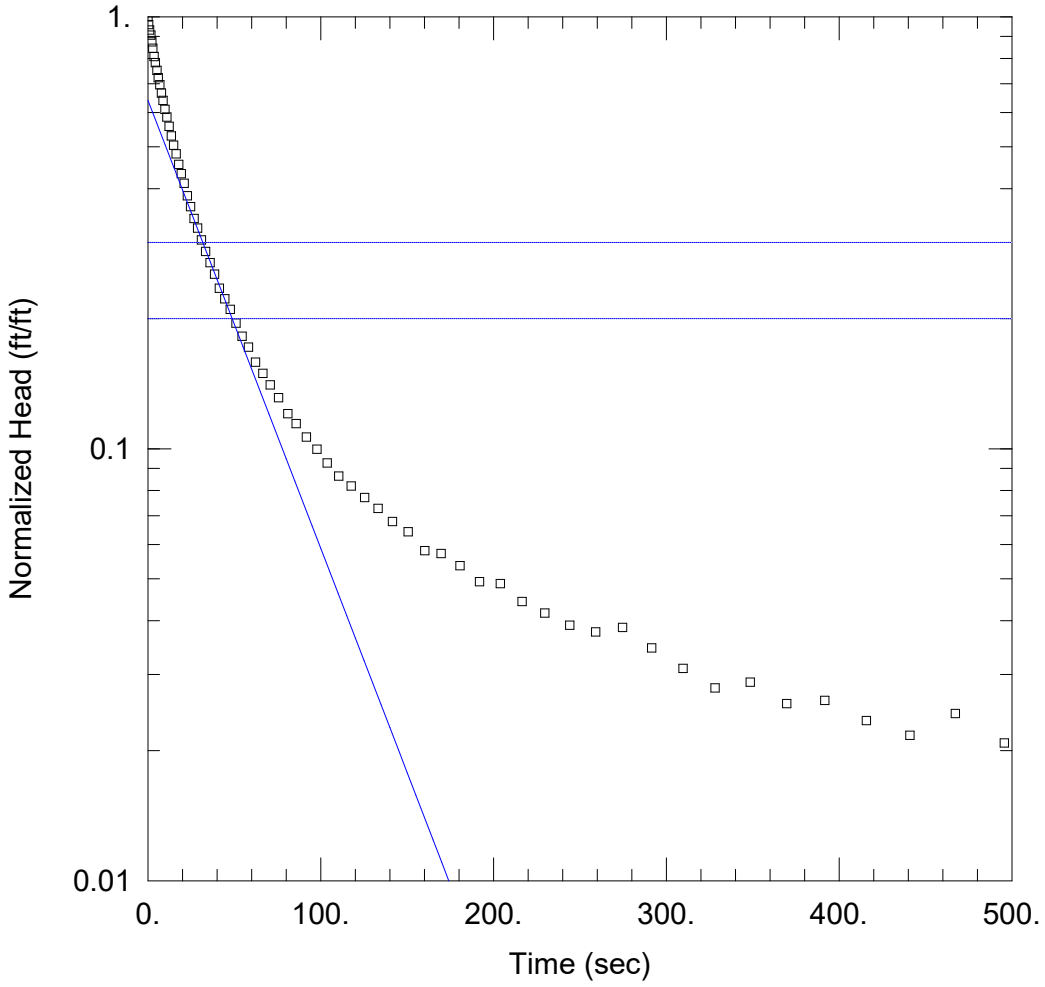
## WELL DATA (JBW7738A)

Initial Displacement: 1.398 ft
Total Well Penetration Depth: 95.69 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 95.69 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.00215 cm/sec
Kz/Kr = 0.17
Ss = 1.232E-5 $ft^{-1}$




## JBW7738A RISING HEAD TEST

Data Set: \...\JBW7738A_RH_BR.aqt
Date: 03/17/25 Time: 15:11:12

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: JBW7738A
Test Date: 7/18/2024

## AQUIFER DATA

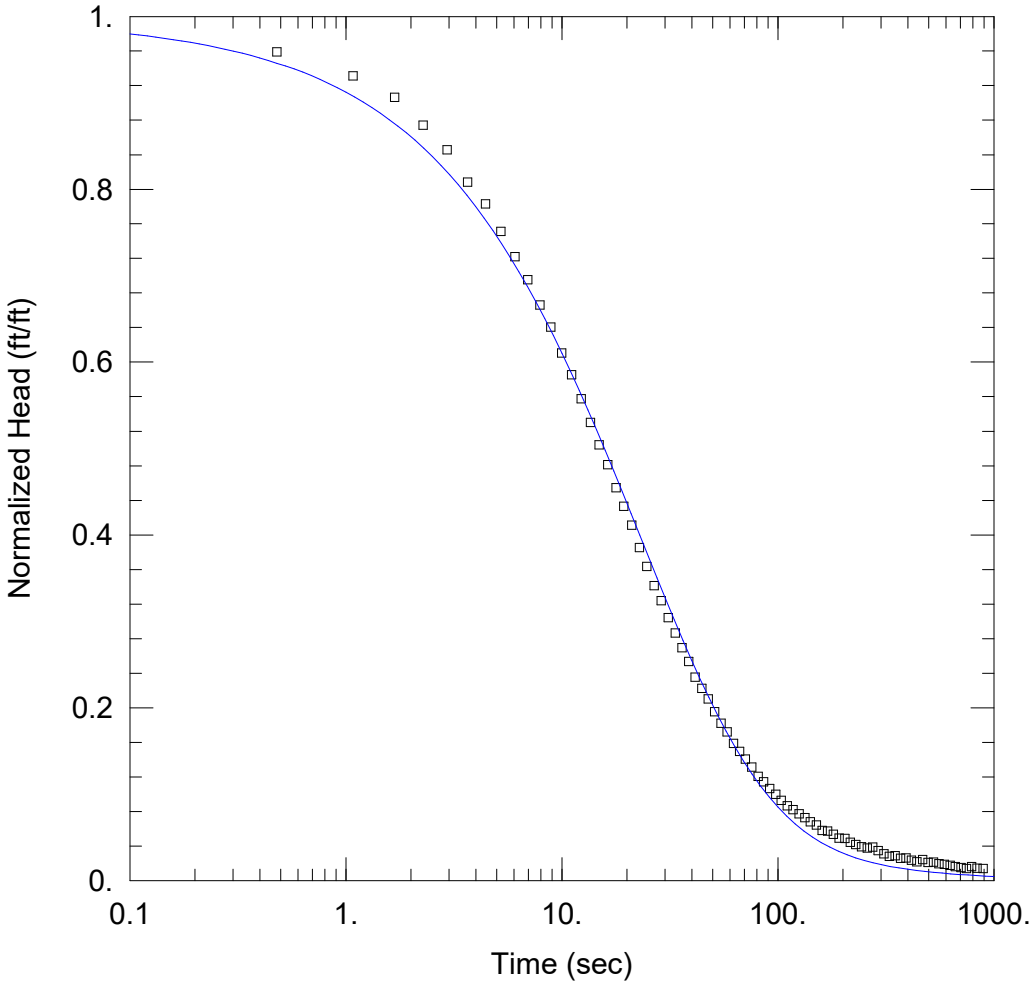
Saturated Thickness: 95.69 ft Anisotropy Ratio (Kz/Kr): 1.0E-6

## WELL DATA (JBW7738A)

Initial Displacement: 2.256 ft
Total Well Penetration Depth: 95.69 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 95.69 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.0022 cm/sec
y0 = 1.444 ft




## JBW7738A RISING HEAD TEST

Data Set: \...\JBW7738A_RH_KGS.aqt
Date: 03/17/25 Time: 15:12:34

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: JBW7738A
Test Date: 7/18/2024

## AQUIFER DATA

Saturated Thickness: 95.69 ft

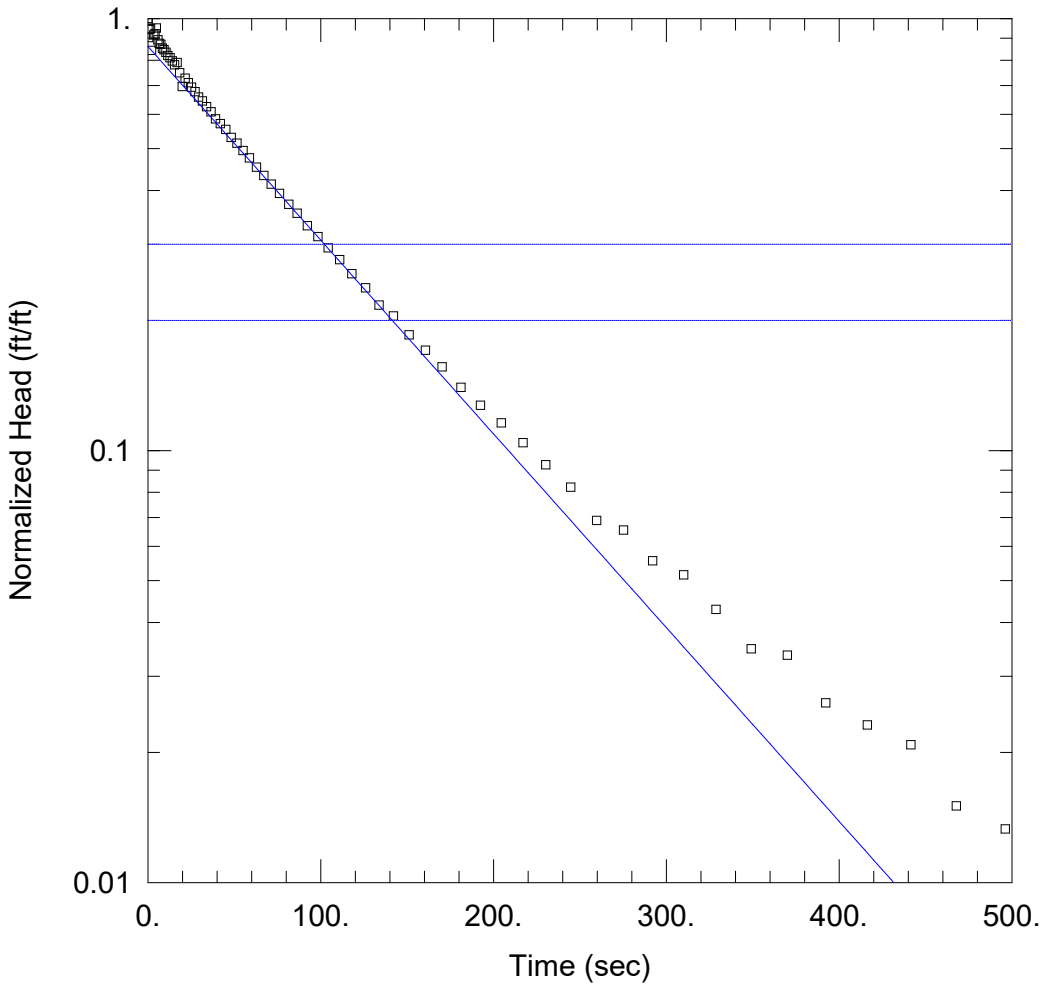
## WELL DATA (JBW7738A)

Initial Displacement: 2.256 ft
Total Well Penetration Depth: 95.69 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 95.69 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.000936 cm/sec
Kz/Kr = 1.0E-6
Ss = 6.436E-5 $ft^{-1}$




## JBW7738B FALLING HEAD TEST

Data Set: \...\JBW7738B_FH_BR.aqt
Date: 03/17/25 Time: 15:14:40

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: JBW7738B
Test Date: 7/18/2024

## AQUIFER DATA

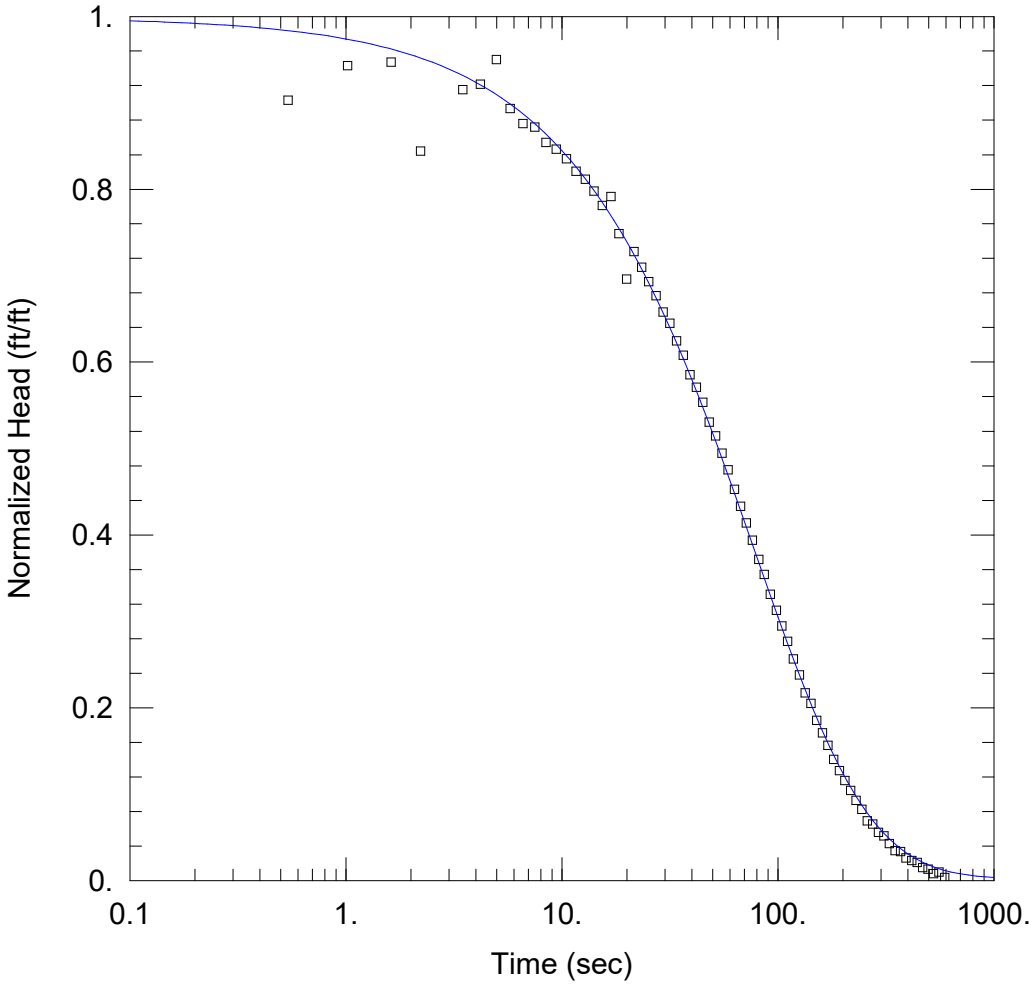
Saturated Thickness: 66.15 ft Anisotropy Ratio (Kz/Kr): 0.17

## WELL DATA (JBW7738B)

Initial Displacement: 1.727 ft
Total Well Penetration Depth: 66.15 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 66.15 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.0005107 cm/sec
y0 = 1.487 ft




## JBW7738B FALLING HEAD TEST

Data Set: \...\JBW7738B_FH_KGS.aqt
Date: 03/17/25 Time: 15:15:46

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: JBW7738B
Test Date: 7/18/2024

## AQUIFER DATA

Saturated Thickness: 66.15 ft

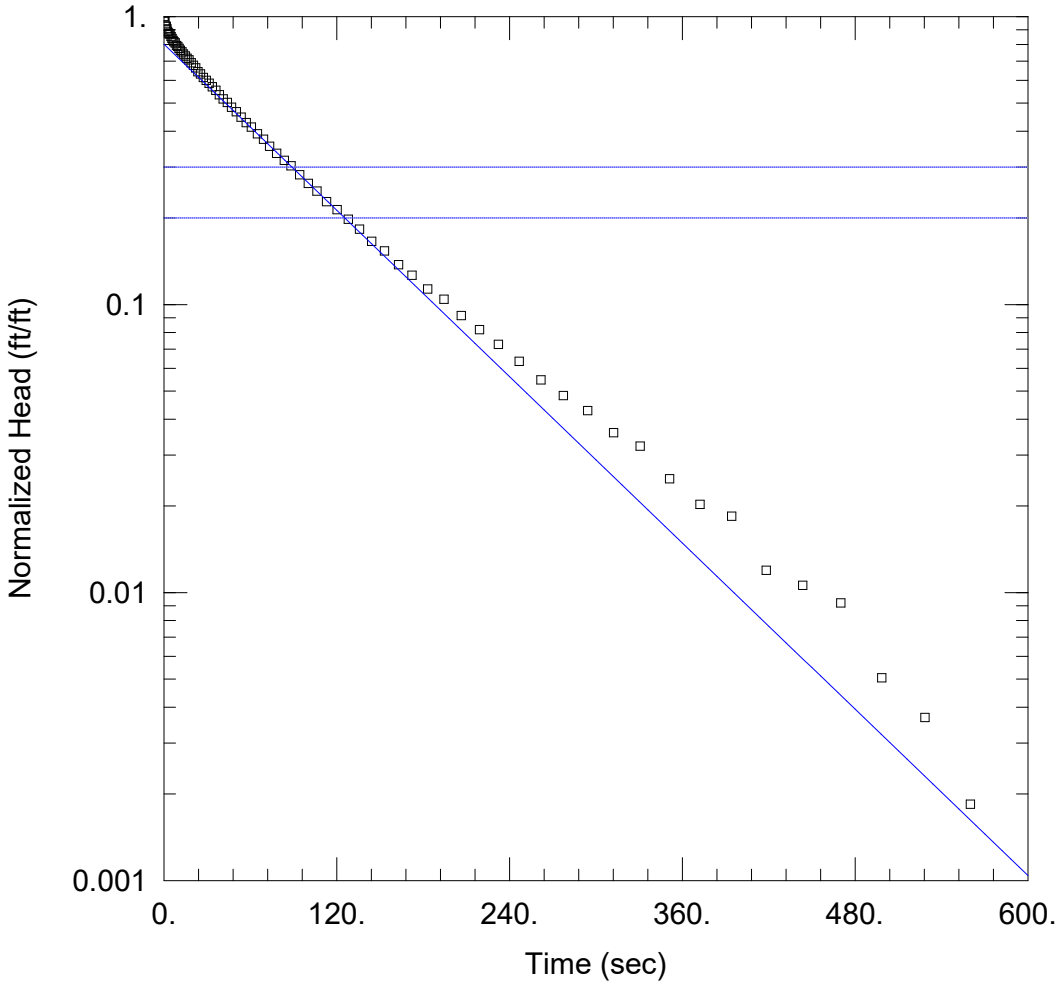
## WELL DATA (JBW7738B)

Initial Displacement: 1.727 ft
Total Well Penetration Depth: 66.15 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 66.15 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.0005214 cm/sec
Kz/Kr = 0.17
Ss = 7.09E-6 $ft^{-1}$




## JBW7738B RISING HEAD TEST

Data Set: \...\JBW7738B_RH_BR.aqt
Date: 03/17/25 Time: 15:16:53

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: JBW7738B
Test Date: 7/18/2024

## AQUIFER DATA

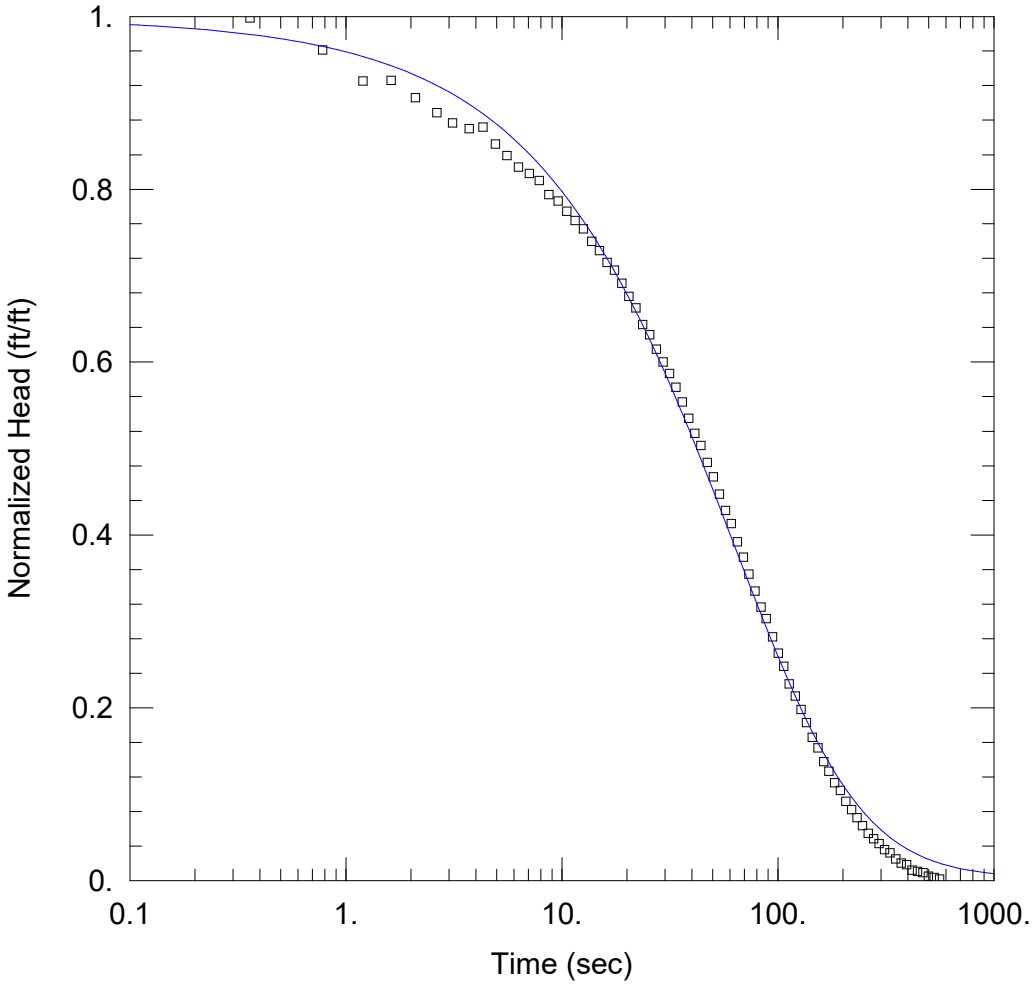
Saturated Thickness: 66.15 ft Anisotropy Ratio (Kz/Kr): 0.17

## WELL DATA (JBW7738B)

Initial Displacement: 2.174 ft
Total Well Penetration Depth: 66.15 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 66.15 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.0004217 cm/sec
y0 = 1.744 ft




## JBW7738B RISING HEAD TEST

Data Set: \...\JBW7738B_RH_KGS.aqt
Date: 03/17/25 Time: 15:19:45

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: JBW7738B
Test Date: 7/18/2024

## AQUIFER DATA

Saturated Thickness: 66.15 ft

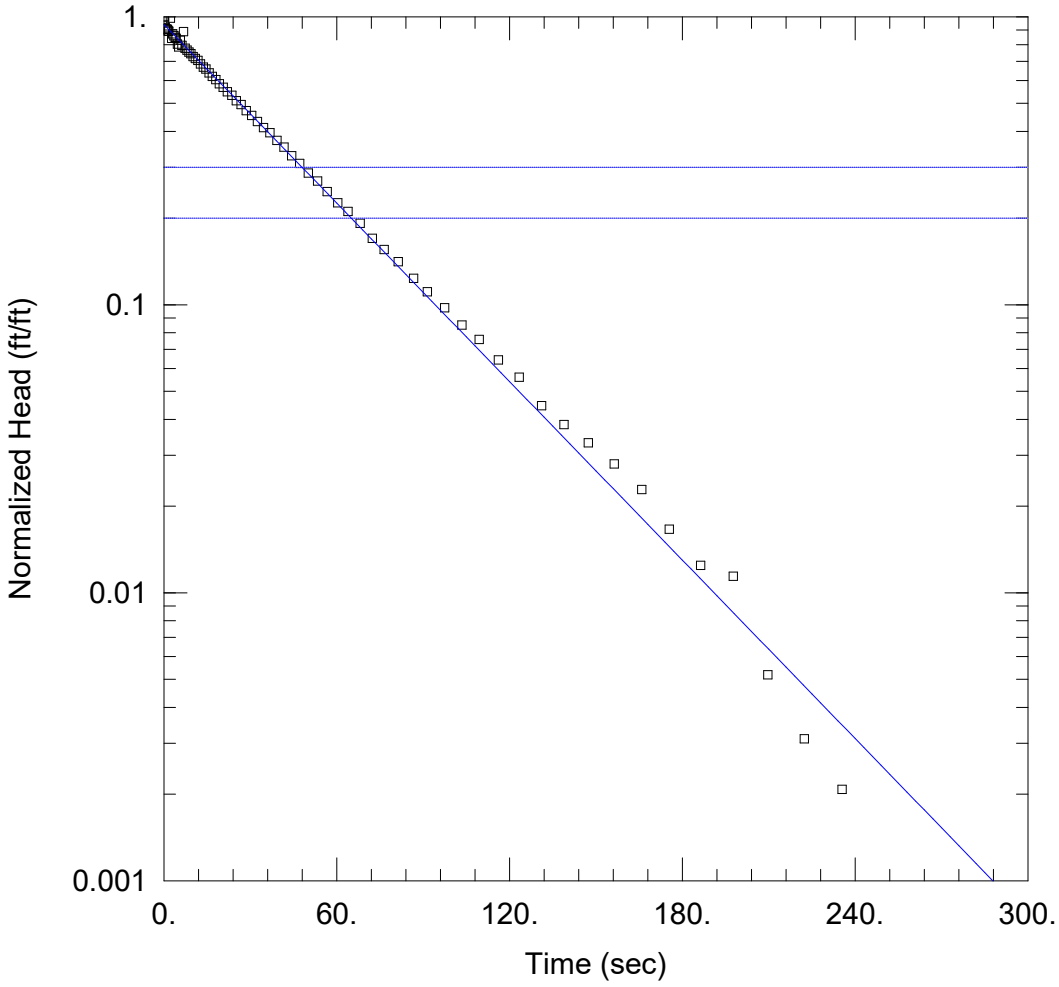
## WELL DATA (JBW7738B)

Initial Displacement: 2.174 ft
Total Well Penetration Depth: 66.15 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 66.15 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.0003849 cm/sec
Kz/Kr = 0.17
Ss = 3.614E-5 $ft^{-1}$




## JBW8003B FALLING HEAD TEST

Data Set: \...\JBW8003B_FH_BR.aqt
Date: 03/17/25 Time: 15:21:14

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: JBW8003B
Test Date: 10/15/2024

## AQUIFER DATA

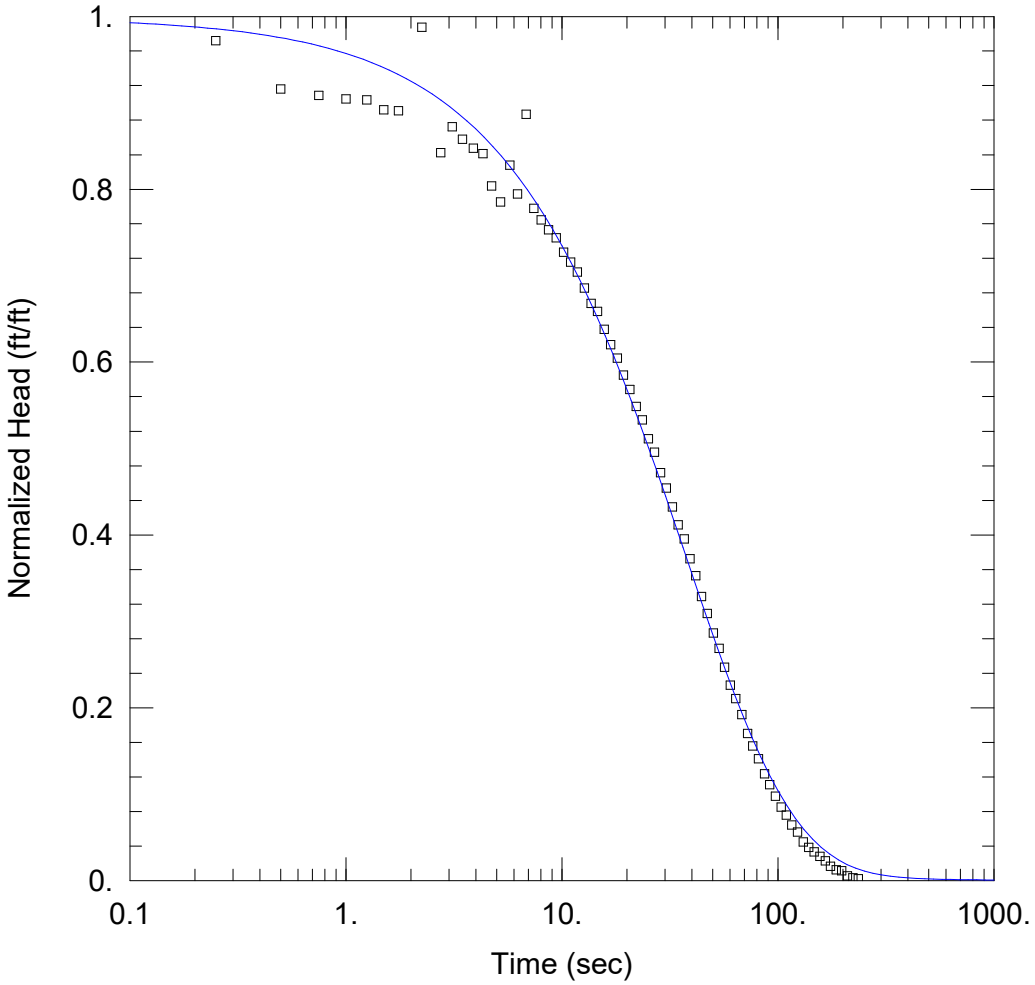
Saturated Thickness: 60.02 ft Anisotropy Ratio (Kz/Kr): 0.17

## WELL DATA (JBW8003B)

Initial Displacement: 0.964 ft
Total Well Penetration Depth: 60.02 ft
Casing Radius: 0.083 ft
Static Water Column Height: 60.02 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.001154 cm/sec
y0 = 0.9047 ft




## JBW8003B FALLING HEAD TEST

Data Set: \...\JBW8003B_FH_KGS.aqt
Date: 03/17/25 Time: 15:23:05

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: JBW8003B
Test Date: 10/15/2024

## AQUIFER DATA

Saturated Thickness: 60.02 ft

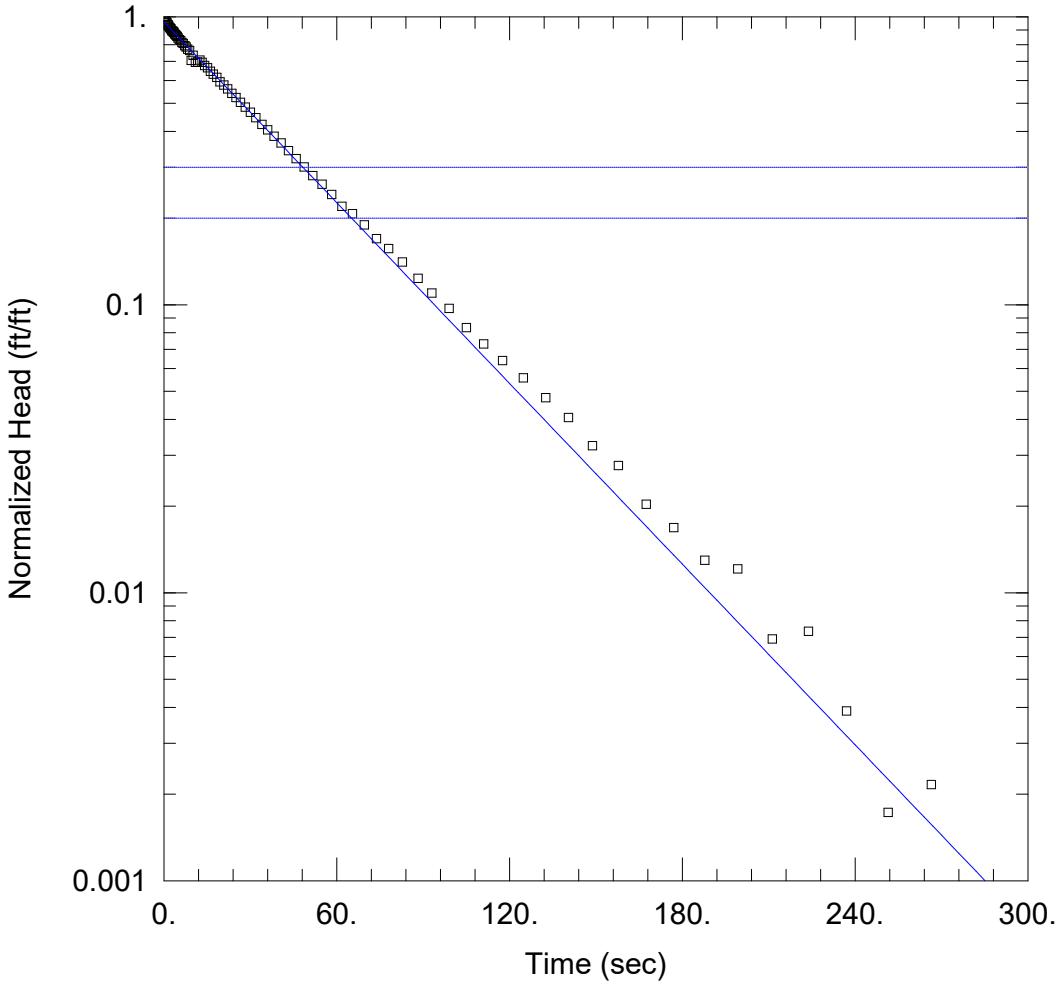
## WELL DATA (JBW8003B)

Initial Displacement: 0.964 ft
Total Well Penetration Depth: 60.02 ft
Casing Radius: 0.083 ft
Static Water Column Height: 60.02 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.001166 cm/sec
Kz/Kr = 0.17
Ss = 3.444E-6 $ft^{-1}$




## JBW8003B RISING HEAD TEST

Data Set: \...\JBW8003B_RH_BR.aqt
Date: 03/17/25 Time: 15:24:03

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: JBW8003B
Test Date: 10/15/2024

## AQUIFER DATA

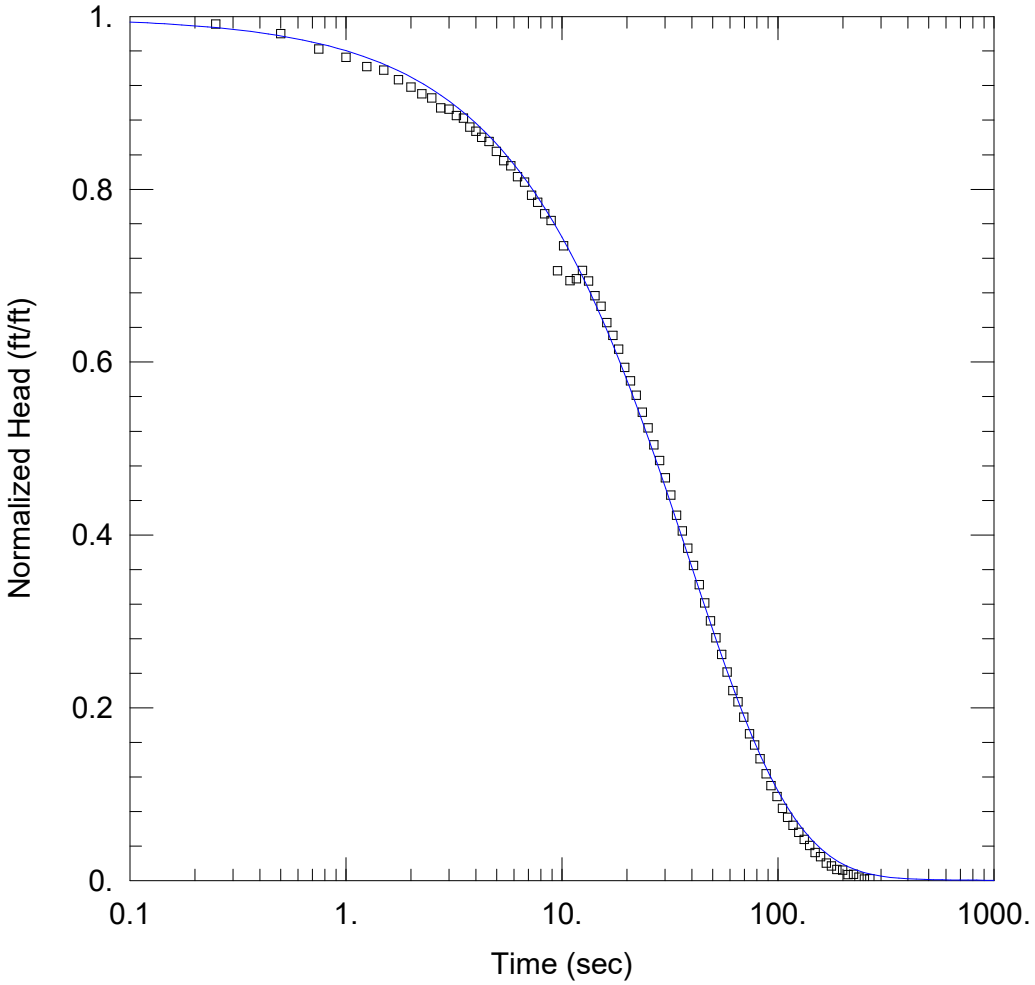
Saturated Thickness: 60.02 ft Anisotropy Ratio (Kz/Kr): 0.17

## WELL DATA (JBW8003B)

Initial Displacement: 2.315 ft Static Water Column Height: 60.02 ft
Total Well Penetration Depth: 60.02 ft Screen Length: 10. ft
Casing Radius: 0.083 ft Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.001168 cm/sec y0 = 2.22 ft




## JBW8003B RISING HEAD TEST

Data Set: \...\JBW8003B_RH_KGS.aqt
Date: 03/17/25 Time: 15:25:26

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: JBW8003B
Test Date: 10/15/2024

## AQUIFER DATA

Saturated Thickness: 60.02 ft

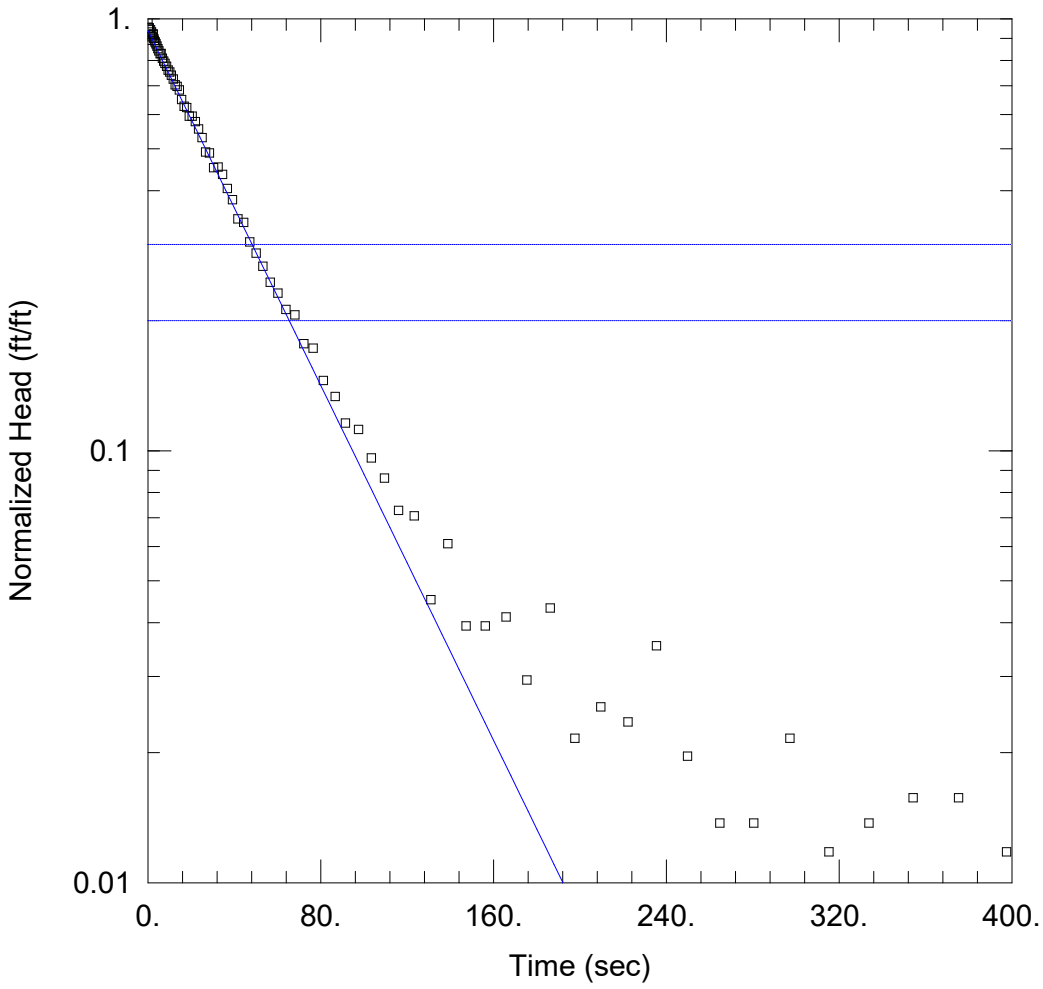
## WELL DATA (JBW8003B)

Initial Displacement: 2.315 ft
Total Well Penetration Depth: 60.02 ft
Casing Radius: 0.083 ft
Static Water Column Height: 60.02 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.001178 cm/sec
Kz/Kr = 0.17
Ss = 2.049E-6 $ft^{-1}$




## JMW0683 FALLING HEAD TEST

Data Set: \...\JMW0683_FH_BR.aqt
Date: 03/17/25 Time: 15:26:52

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: JMW0683
Test Date: 10/17/2024

## AQUIFER DATA

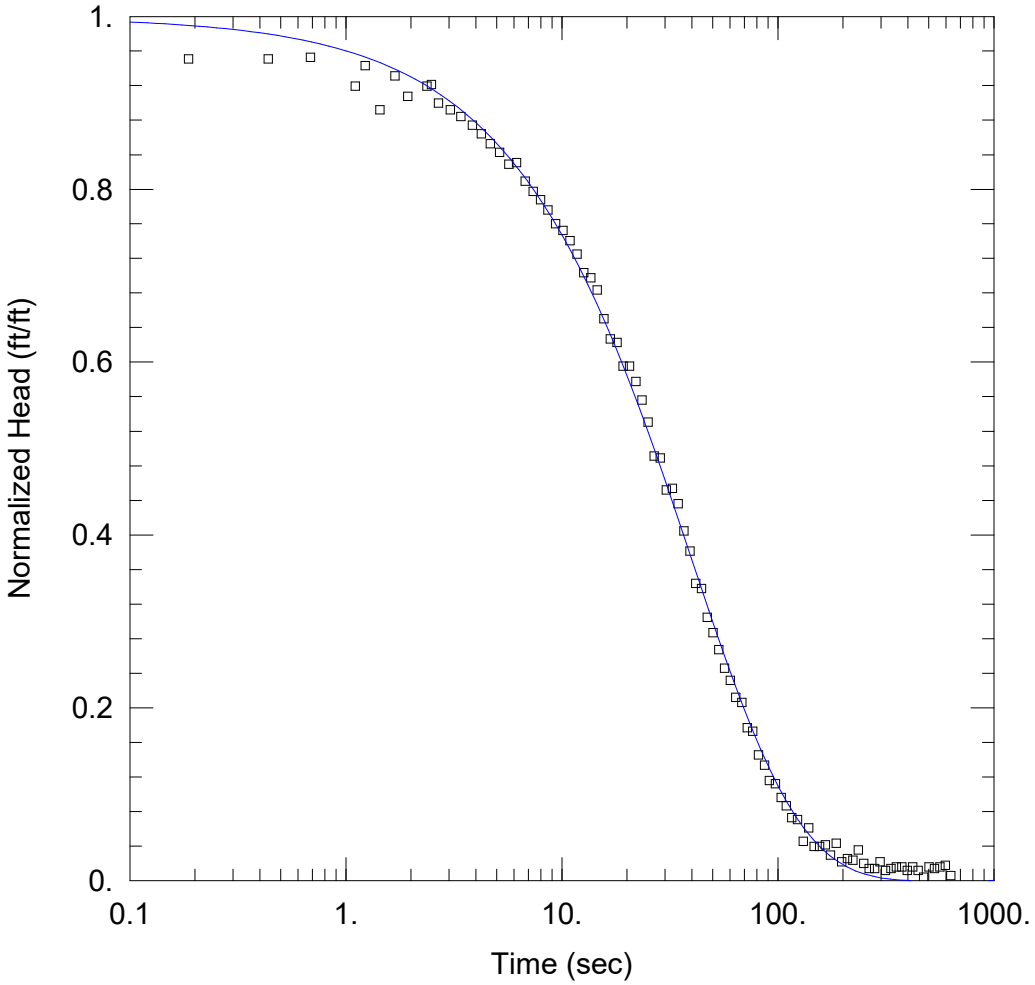
Saturated Thickness: 31.46 ft Anisotropy Ratio (Kz/Kr): 0.17

## WELL DATA (JMW0683)

Initial Displacement: 0.509 ft Static Water Column Height: 31.46 ft
Total Well Penetration Depth: 31.46 ft Screen Length: 15. ft
Casing Radius: 0.083 ft Well Radius: 0.33 ft

## SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.0006776 cm/sec y0 = 0.4776 ft




## JMW0683 FALLING HEAD TEST

Data Set: \...\JMW0683_FH_KGS.aqt
Date: 03/17/25 Time: 15:28:35

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: JMW0683
Test Date: 10/17/2024

## AQUIFER DATA

Saturated Thickness: 31.46 ft

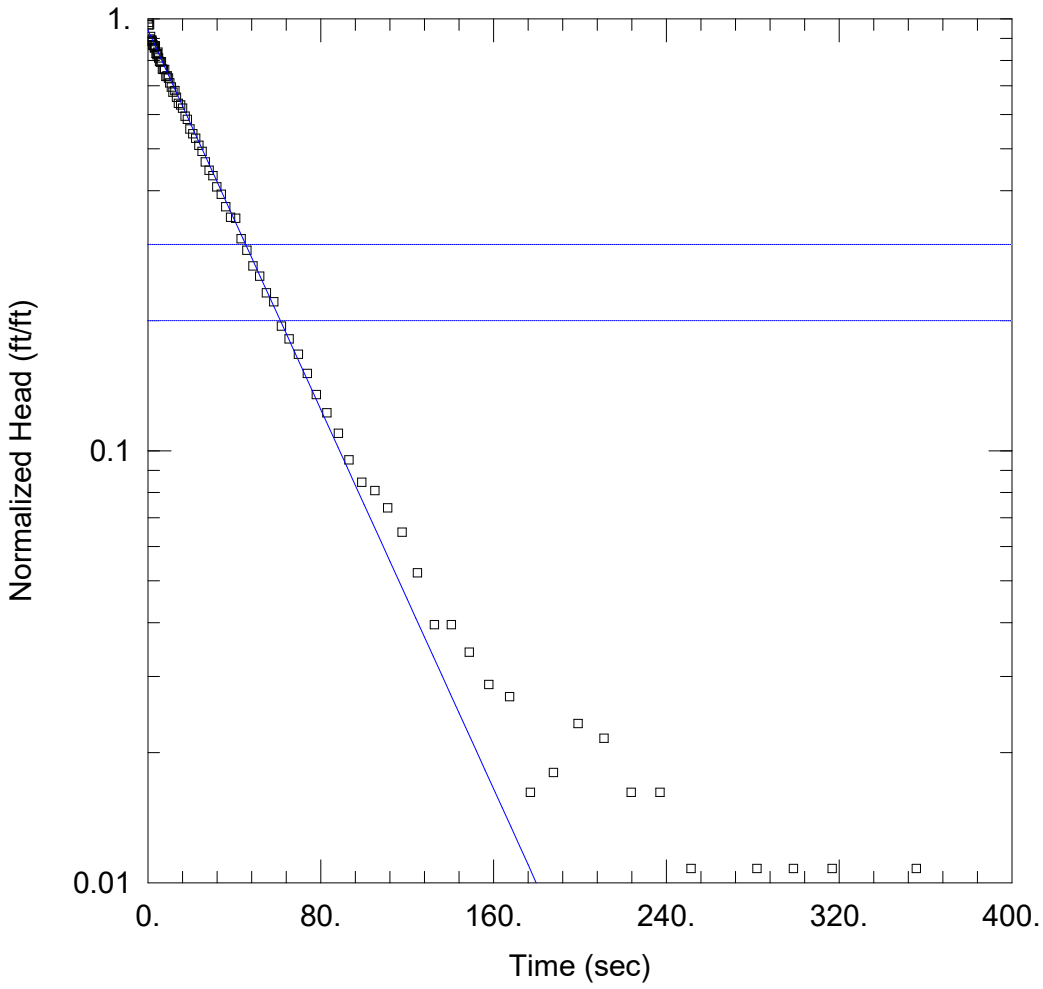
## WELL DATA (JMW0683)

Initial Displacement: 0.509 ft
Total Well Penetration Depth: 31.46 ft
Casing Radius: 0.083 ft
Static Water Column Height: 31.46 ft
Screen Length: 15. ft
Well Radius: 0.33 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.0007684 cm/sec
Kz/Kr = 0.17
Ss = 9.151E-7 $ft^{-1}$




## JMW0683 RISING HEAD TEST

Data Set: \...\JMW0683_RH_BR.aqt
Date: 03/17/25 Time: 15:29:53

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: JMW0683
Test Date: 10/17/2024

## AQUIFER DATA

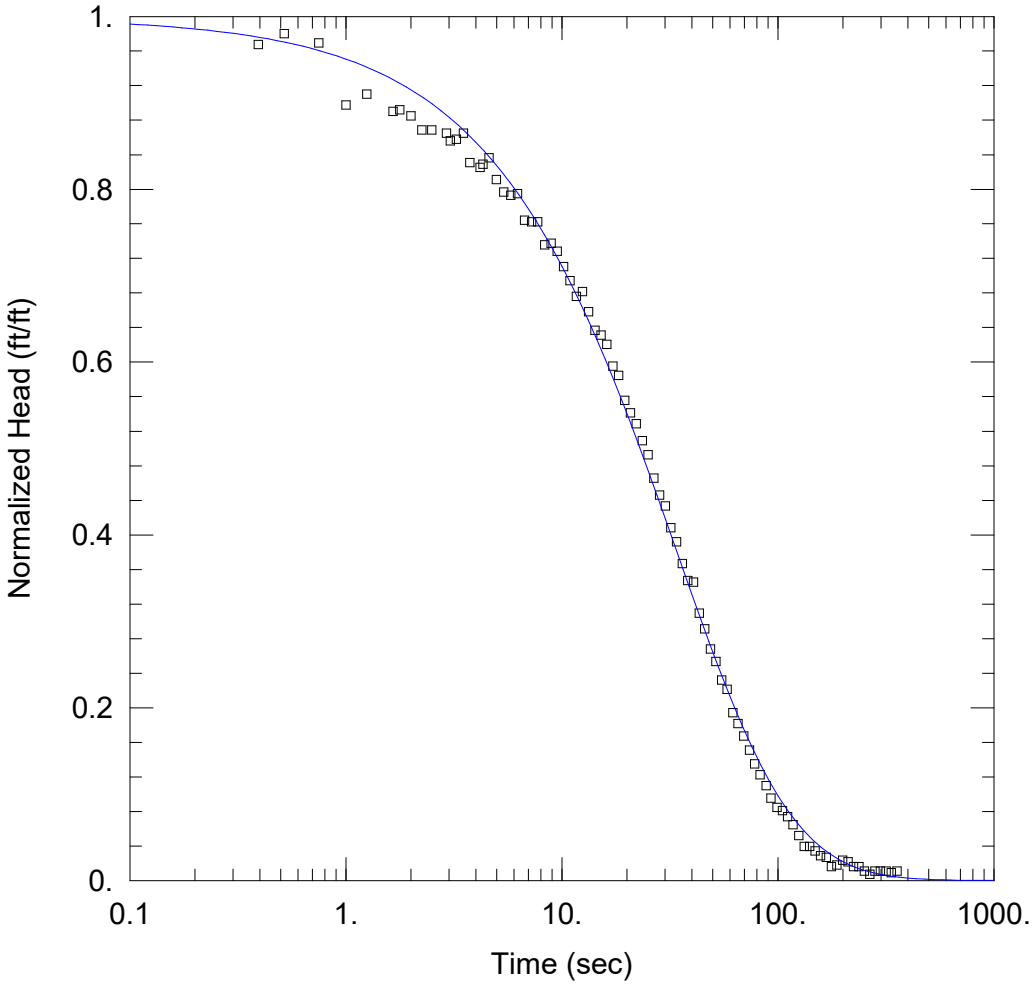
Saturated Thickness: 31.47 ft Anisotropy Ratio (Kz/Kr): 0.17

## WELL DATA (JMW0683)

Initial Displacement: 0.556 ft
Total Well Penetration Depth: 31.47 ft
Casing Radius: 0.083 ft
Static Water Column Height: 31.47 ft
Screen Length: 15. ft
Well Radius: 0.33 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.0007244 cm/sec
y0 = 0.5232 ft




## JMW0683 RISING HEAD TEST

Data Set: \...\JMW0683_RH_KGS.aqt
Date: 03/17/25 Time: 15:31:36

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: JMW0683
Test Date: 10/17/2024

## AQUIFER DATA

Saturated Thickness: 31.47 ft

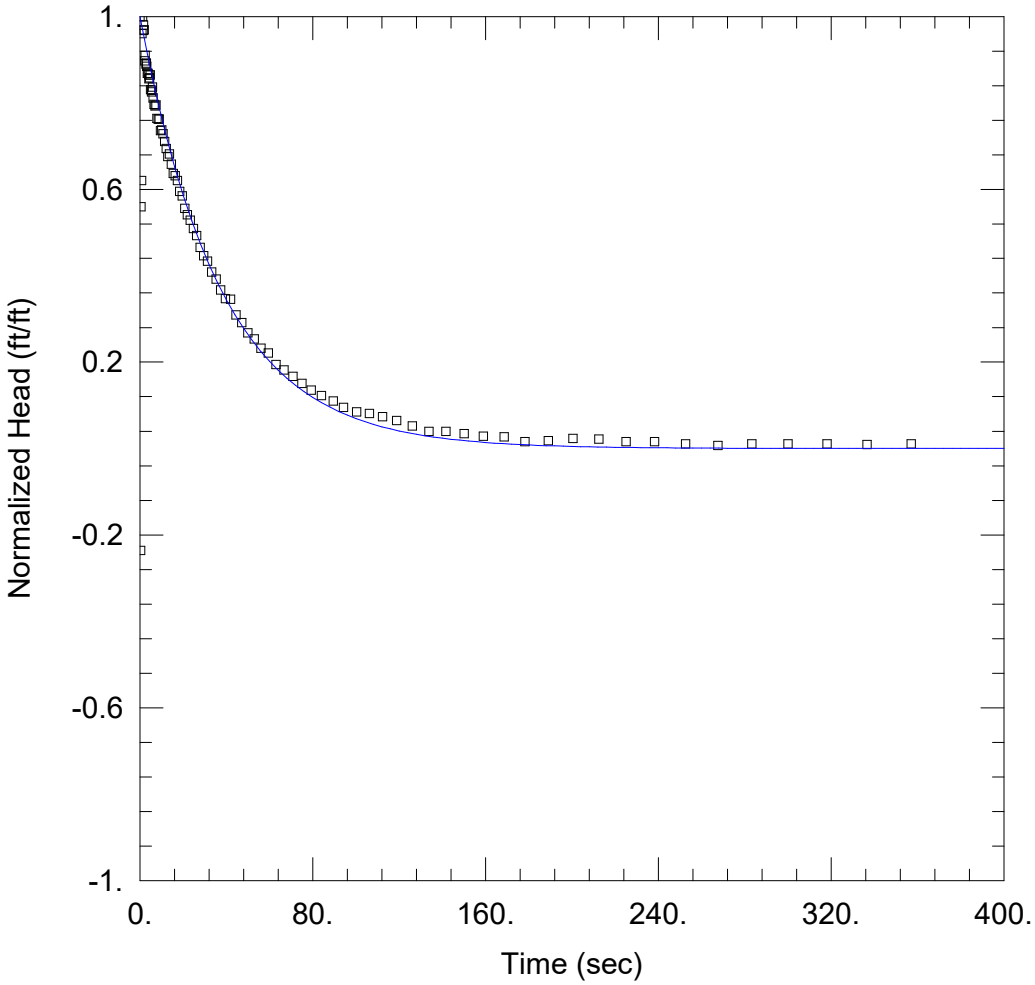
## WELL DATA (JMW0683)

Initial Displacement: 0.556 ft
Total Well Penetration Depth: 31.47 ft
Casing Radius: 0.083 ft
Static Water Column Height: 31.47 ft
Screen Length: 15. ft
Well Radius: 0.33 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.0008049 cm/sec
Kz/Kr = 0.17
Ss = 2.586E-6 $ft^{-1}$




## JMW0683 RISING HEAD TEST

Data Set: X:\...\JMW0683_RH_Springer_Gelhar.aqt
Date: 10/23/25 Time: 09:46:23

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: JMW0683
Test Date: 10/17/2024

## AQUIFER DATA

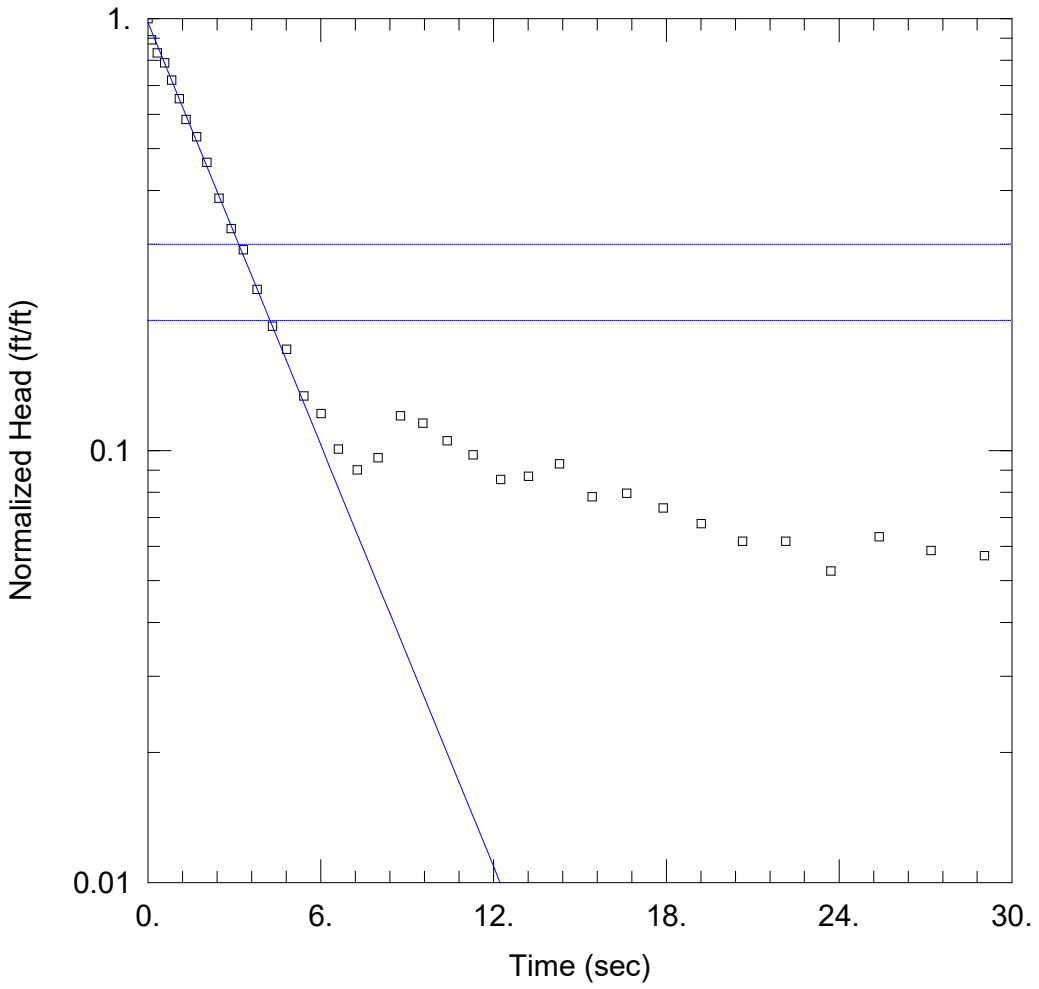
Saturated Thickness: 31.47 ft
Anisotropy Ratio (Kz/Kr): 0.17

## WELL DATA (JMW0683)

Initial Displacement: 0.556 ft
Total Well Penetration Depth: 31.47 ft
Casing Radius: 0.083 ft
Static Water Column Height: 31.47 ft
Screen Length: 15. ft
Well Radius: 0.33 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: Springer-Gelhar
K = 0.0007648 cm/sec
Le = 0.1 ft




## JPZ0348 FALLING HEAD TEST

Data Set: X:\...\JPZ0348_FHT_BR.aqt
Date: 01/07/25 Time: 08:39:45

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: JPZ0348
Test Date: 10/16/2024

## AQUIFER DATA

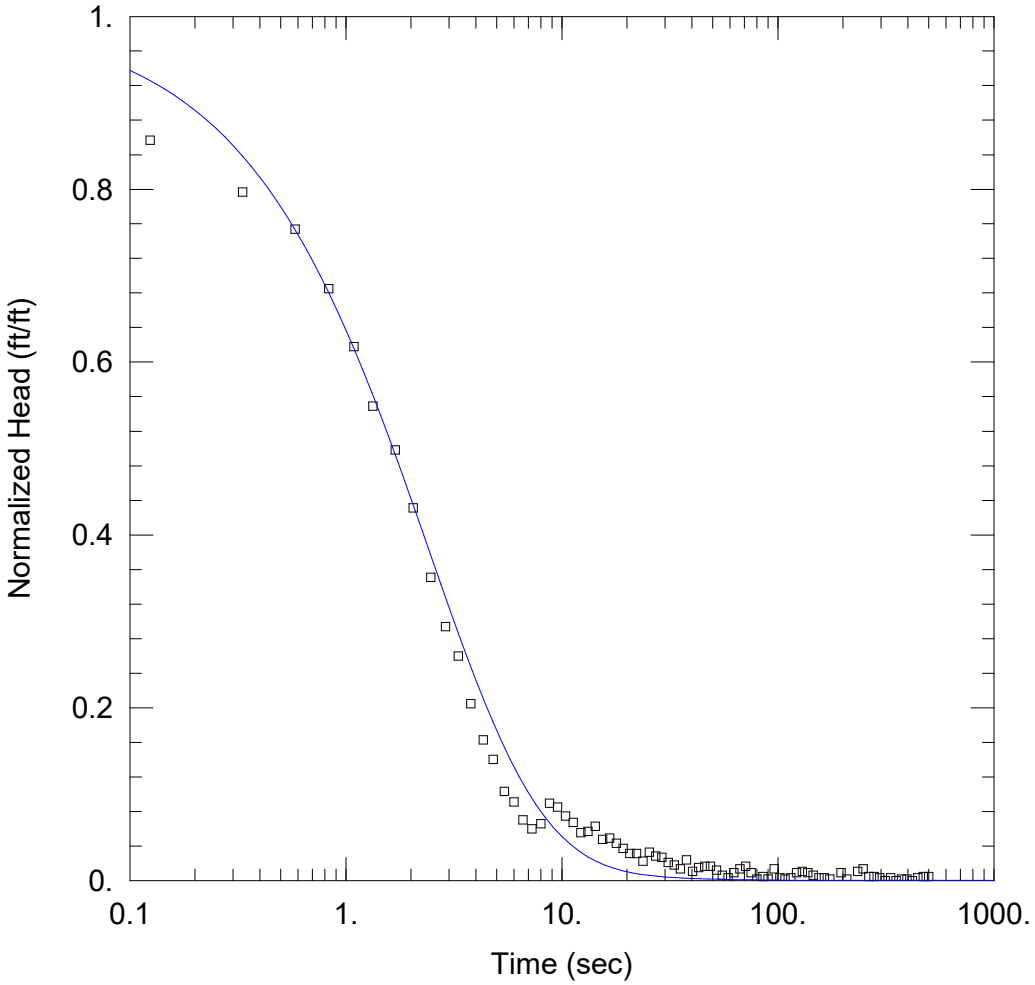
Saturated Thickness: 40.8 ft Anisotropy Ratio (Kz/Kr): 0.17

## WELL DATA (JPZ0348)

Initial Displacement: 0.665 ft
Total Well Penetration Depth: 40.8 ft
Casing Radius: 0.083 ft
Static Water Column Height: 40.8 ft
Screen Length: 10. ft
Well Radius: 0.167 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.01864 cm/sec
y0 = 0.6506 ft




## JPZ0348 FALLING HEAD TEST

Data Set: X:\...\JPZ0348_FHT_KGS.aqt
Date: 01/07/25 Time: 10:27:55

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: JPZ0348
Test Date: 10/16/2024

## AQUIFER DATA

Saturated Thickness: 40.8 ft

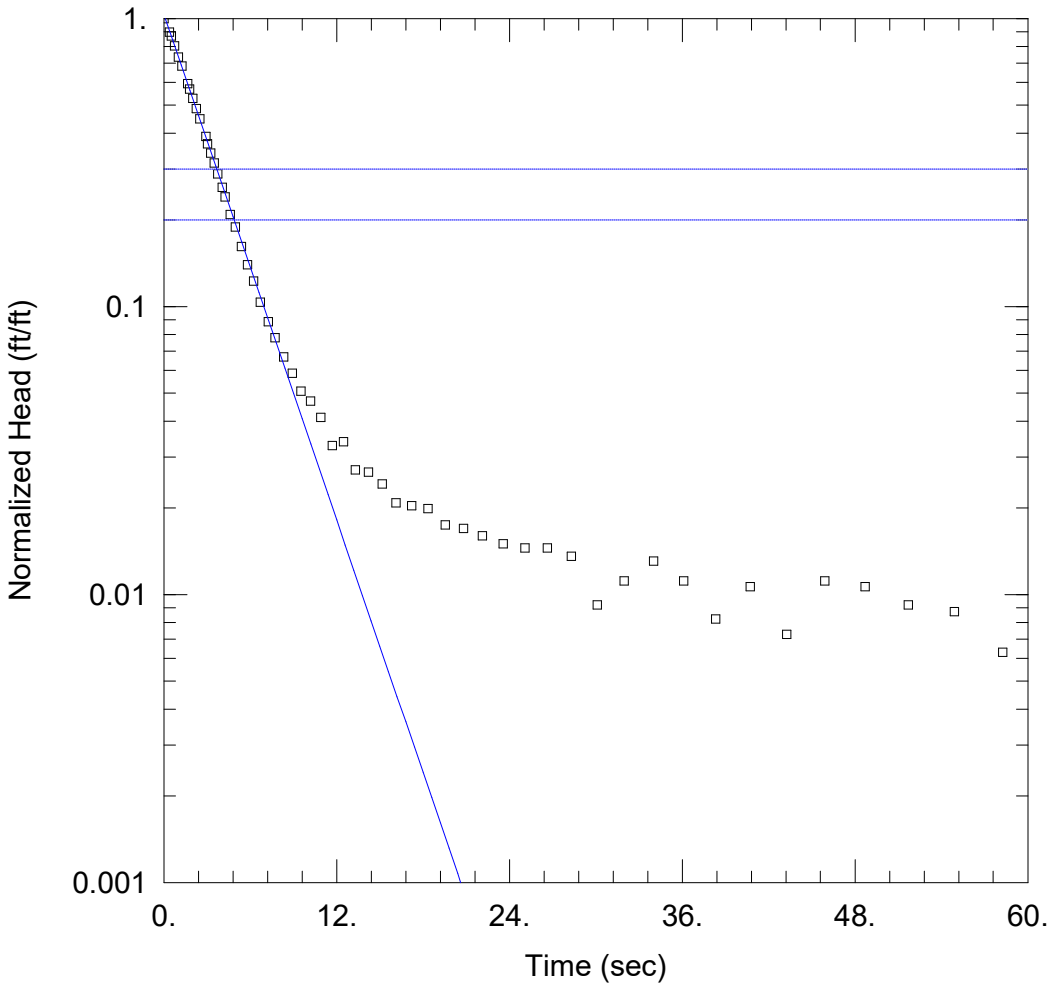
## WELL DATA (JPZ0348)

Initial Displacement: 0.67 ft
Total Well Penetration Depth: 40.8 ft
Casing Radius: 0.083 ft
Static Water Column Height: 40.8 ft
Screen Length: 10. ft
Well Radius: 0.167 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.0178 cm/sec
Kz/Kr = 0.17
Ss = 1.039E-5 $ft^{-1}$




## JPZ0348 RISING HEAD TEST

Data Set: X:\...\JPZ0348_RHT_BR.aqt
Date: 01/07/25 Time: 10:32:33

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: JPZ0348
Test Date: 10/16/2024

## AQUIFER DATA

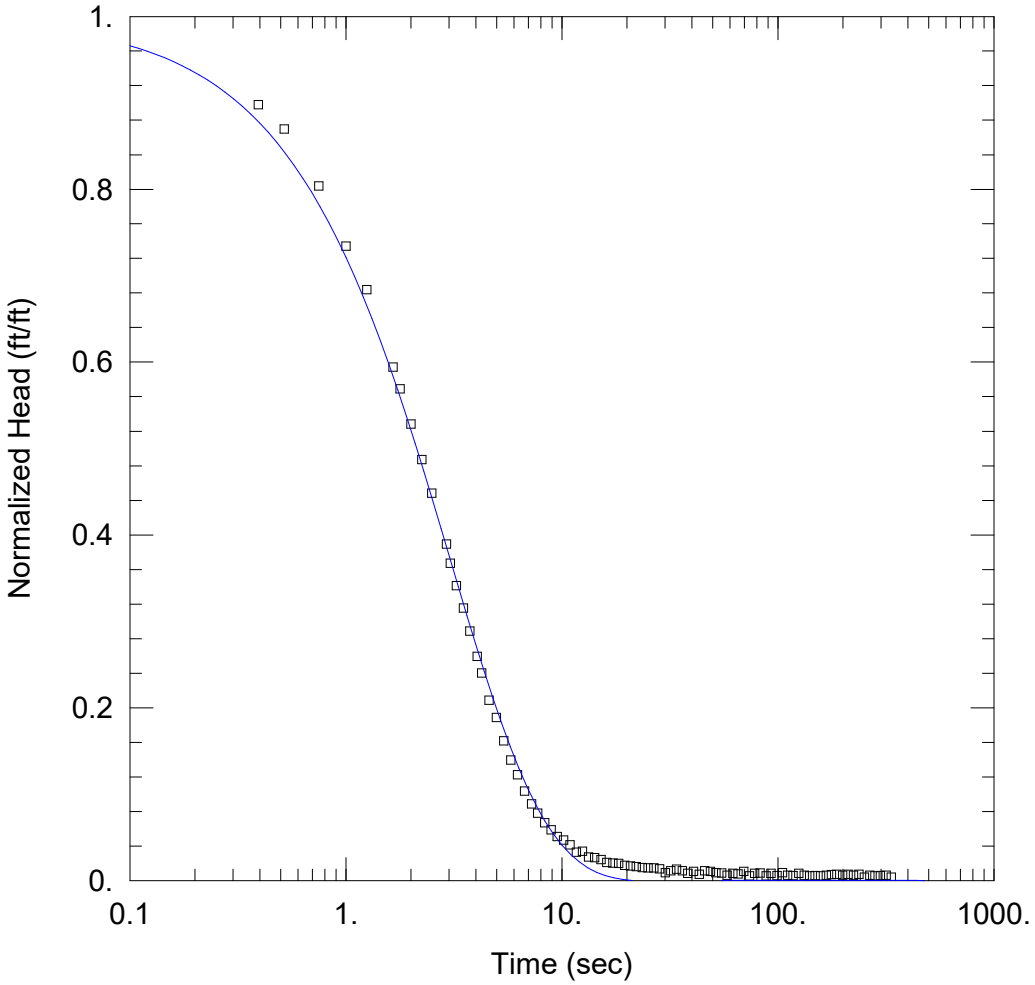
Saturated Thickness: 40.75 ft Anisotropy Ratio (Kz/Kr): 0.17

## WELL DATA (JPZ0348)

Initial Displacement: 2.065 ft
Total Well Penetration Depth: 40.75 ft
Casing Radius: 0.083 ft
Static Water Column Height: 40.75 ft
Screen Length: 10. ft
Well Radius: 0.167 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.01674 cm/sec
y0 = 2.131 ft




## JPZ0348 RISING HEAD TEST

Data Set: X:\...\JPZ0348_RHT_KGS.aqt
Date: 01/07/25 Time: 10:42:08

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: JPZ0348
Test Date: 10/16/2024

## AQUIFER DATA

Saturated Thickness: 40.75 ft

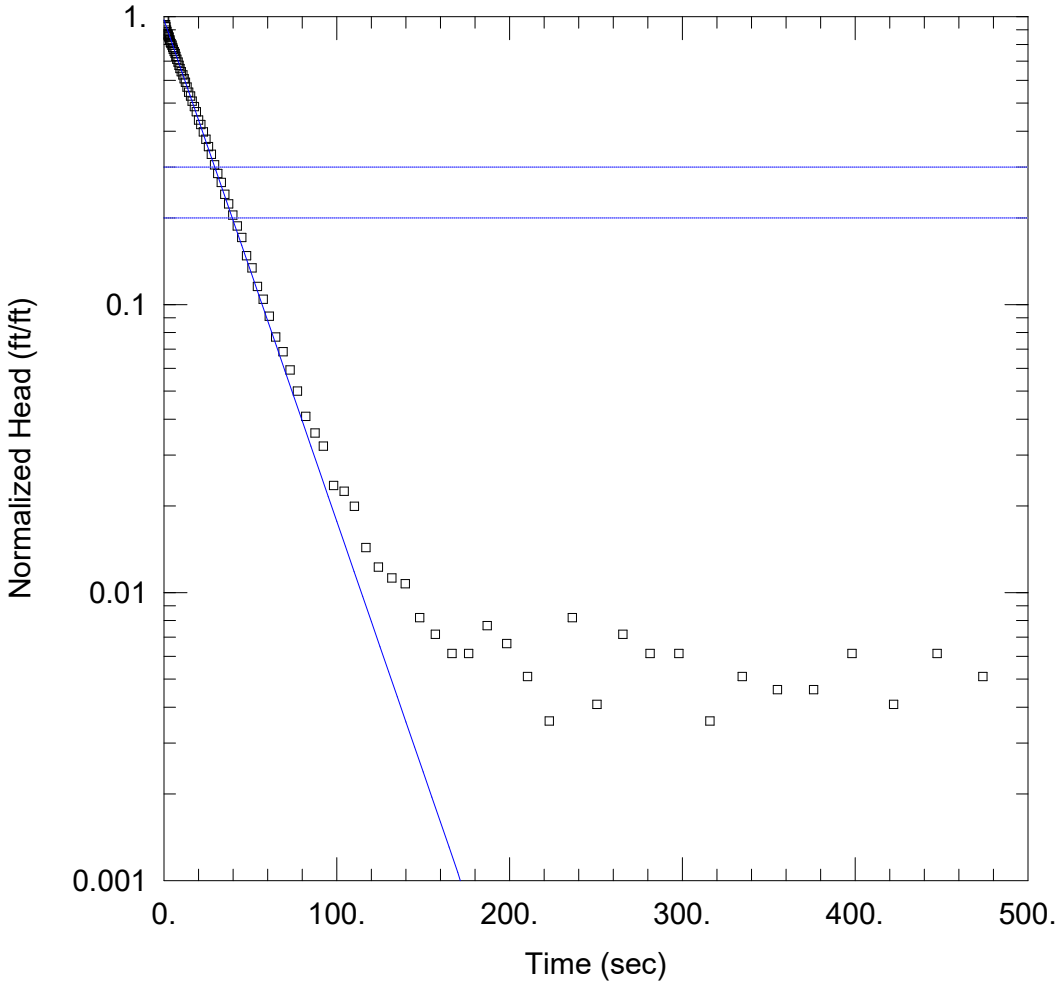
## WELL DATA (JPZ0348)

Initial Displacement: 2.065 ft
Total Well Penetration Depth: 40.75 ft
Casing Radius: 0.083 ft
Static Water Column Height: 40.75 ft
Screen Length: 10. ft
Well Radius: 0.167 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.01773 cm/sec
Kz/Kr = 0.17
Ss = 2.018E-8 $ft^{-1}$




## JPZ0686 FALLING HEAD TEST

Data Set: X:\...\JPZ0686_FH_BR.aqt
Date: 01/07/25 Time: 10:50:42

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: JPZ0686
Test Date: 10/17/2024

## AQUIFER DATA

Saturated Thickness: 10.93 ft Anisotropy Ratio (Kz/Kr): 0.17

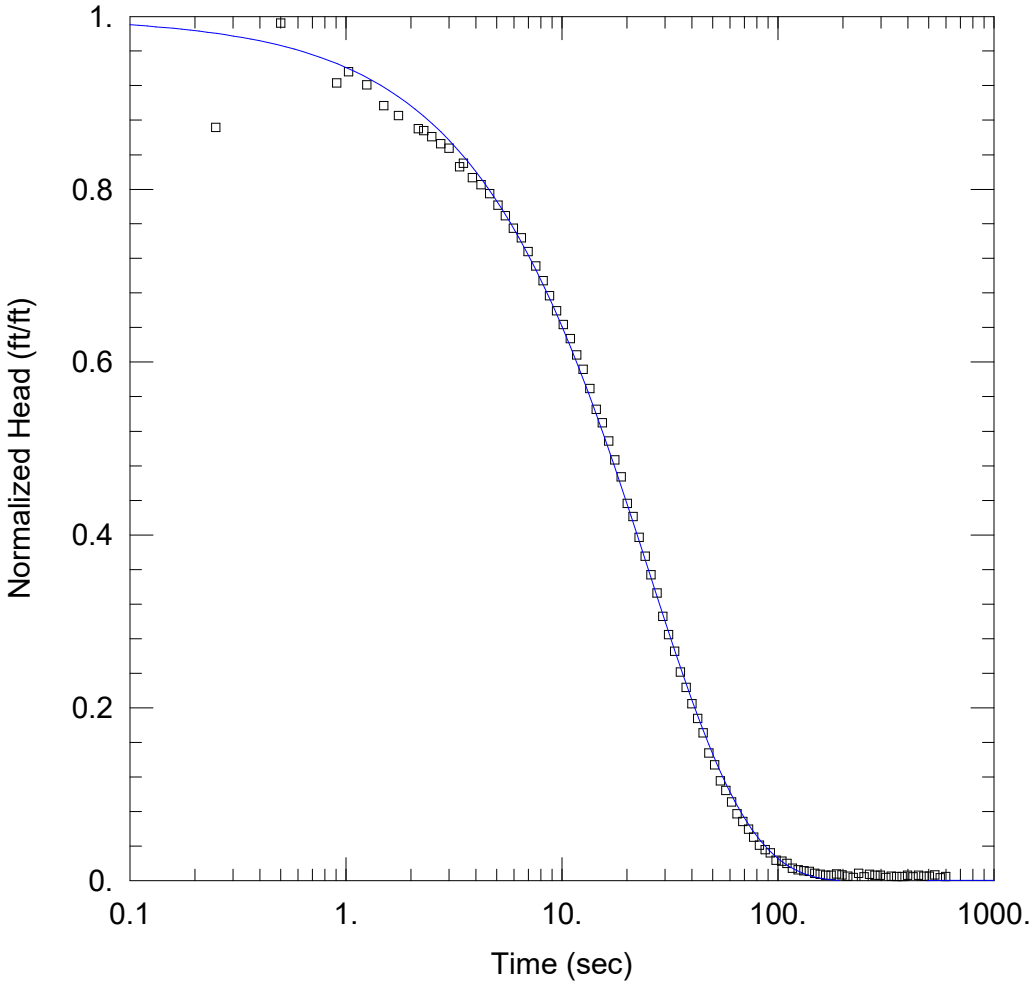
## WELL DATA (JPZ0686 Falling Head)

Initial Displacement: 1.956 ft
Total Well Penetration Depth: 10.93 ft
Casing Radius: 0.083 ft
Static Water Column Height: 10.93 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

K = 0.001506 cm/sec
y0 = 1.905 ft




## JPZ0686 FALLING HEAD TEST

Data Set: X:\...\JPZ0686_FH_KGS.aqt
Date: 01/07/25 Time: 10:54:01

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: JPZ0686
Test Date: 10/17/2024

## AQUIFER DATA

Saturated Thickness: 10.93 ft

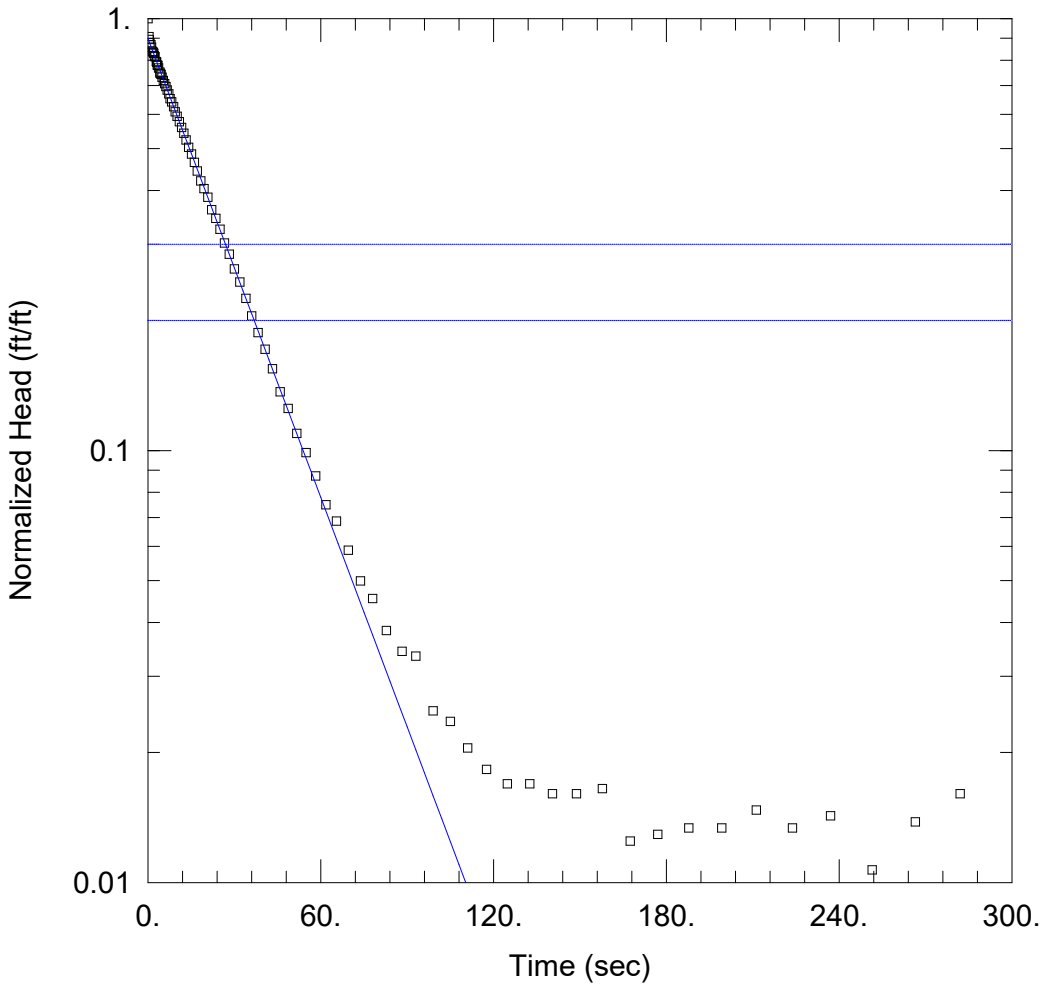
## WELL DATA (JPZ0686 Falling Head)

Initial Displacement: 1.956 ft
Total Well Penetration Depth: 10.93 ft
Casing Radius: 0.083 ft
Static Water Column Height: 10.93 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.001722 cm/sec
Kz/Kr = 0.17
Ss = 3.648E-6 $ft^{-1}$




## JPZ0686 RISING HEAD TEST

Data Set: X:\...\JPZ0686_RH_BR.aqt
Date: 01/07/25 Time: 10:57:11

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: JPZ0686
Test Date: 10/17/2024

## AQUIFER DATA

Saturated Thickness: 10.93 ft Anisotropy Ratio (Kz/Kr): 0.17

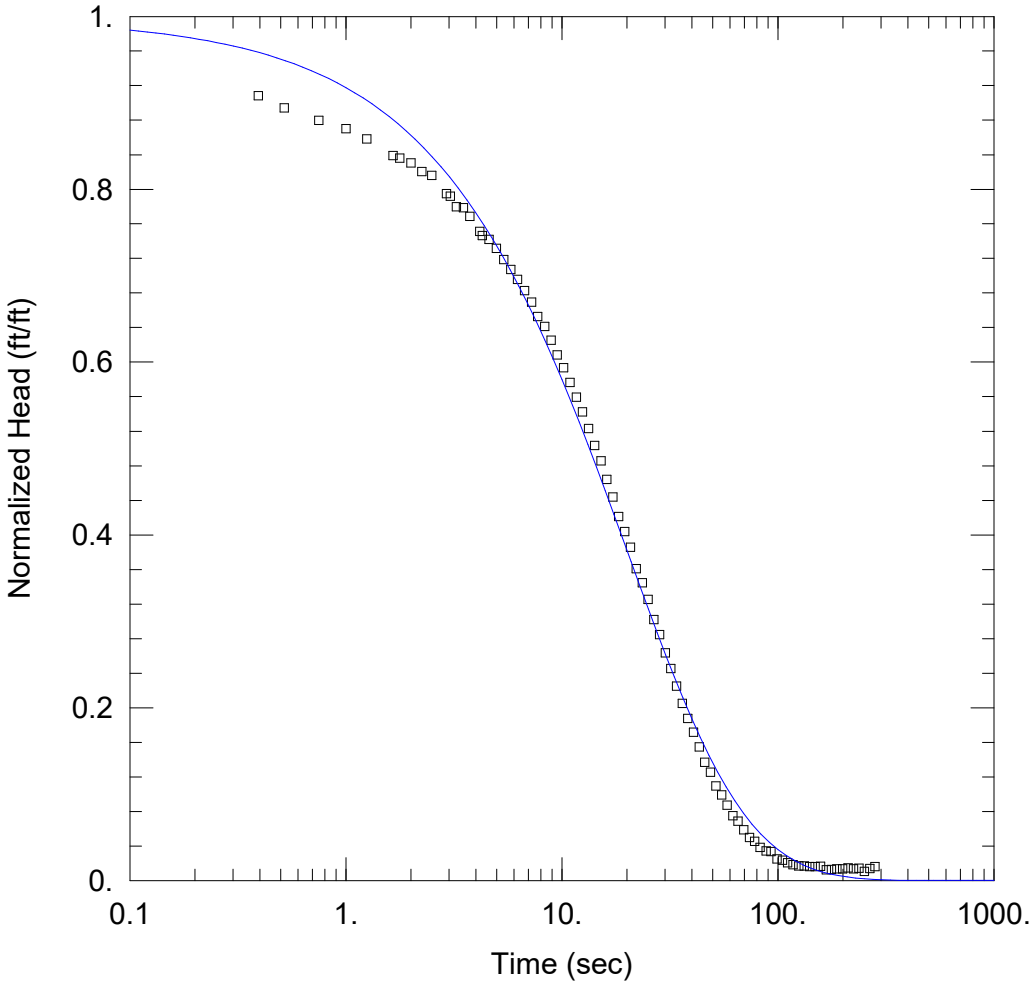
## WELL DATA (JPZ0686 Rising Head)

Initial Displacement: 2.244 ft
Total Well Penetration Depth: 10.93 ft
Casing Radius: 0.083 ft
Static Water Column Height: 10.93 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

K = 0.001532 cm/sec
y0 = 2.018 ft




## JPZ0686 RISING HEAD TEST

Data Set: X:\...\JPZ0686_RH_KGS.aqt
Date: 01/07/25 Time: 11:00:52

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: JPZ0686
Test Date: 10/17/2024

## AQUIFER DATA

Saturated Thickness: 10.93 ft

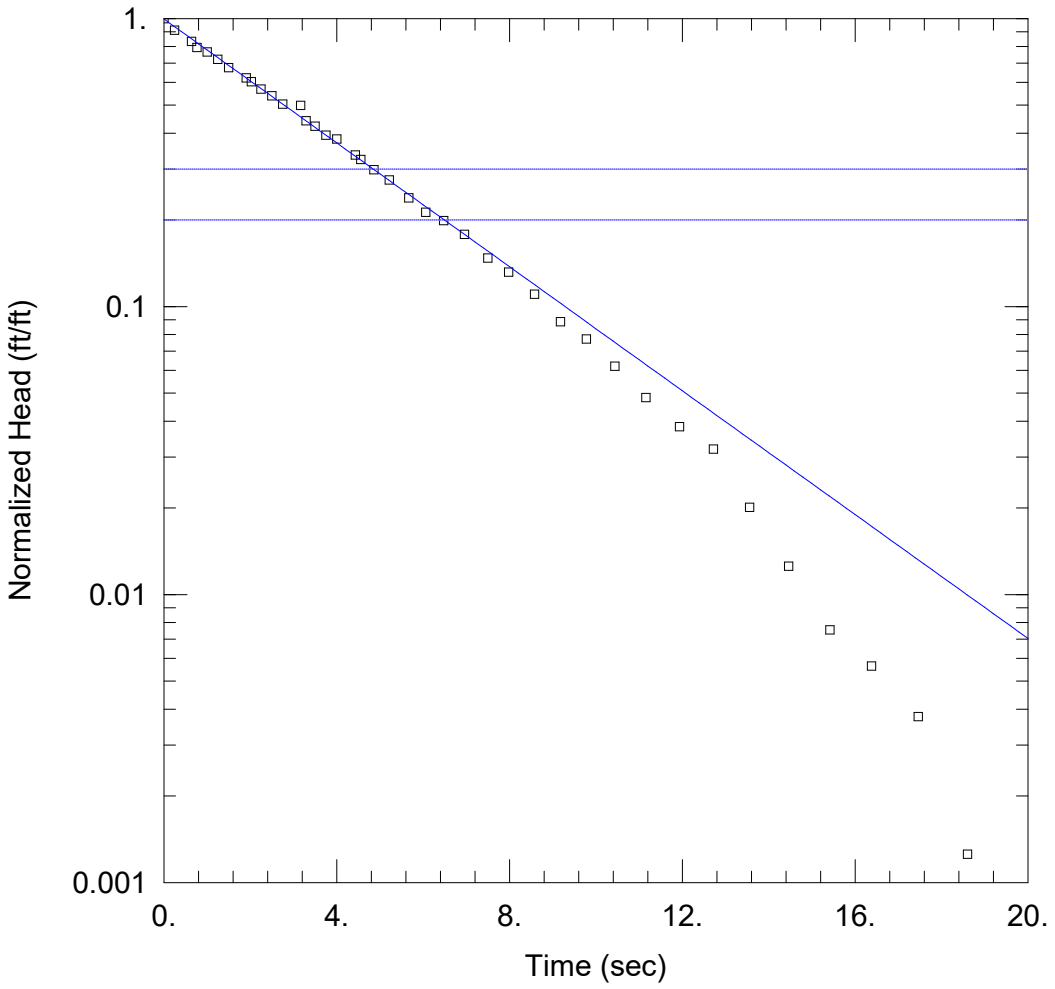
## WELL DATA (JPZ0686 Rising Head)

Initial Displacement: 2.244 ft
Total Well Penetration Depth: 10.93 ft
Casing Radius: 0.083 ft
Static Water Column Height: 10.93 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.001762 cm/sec
Kz/Kr = 0.17
Ss = 2.116E-5 $ft^{-1}$




## JPZ1780 RISING HEAD TEST

Data Set: X:\...\JPZ1780_RH_BR.aqt
Date: 01/07/25 Time: 11:03:19

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: JPZ1780
Test Date: 10/17/2024

## AQUIFER DATA

Saturated Thickness: 11.56 ft Anisotropy Ratio (Kz/Kr): 0.17

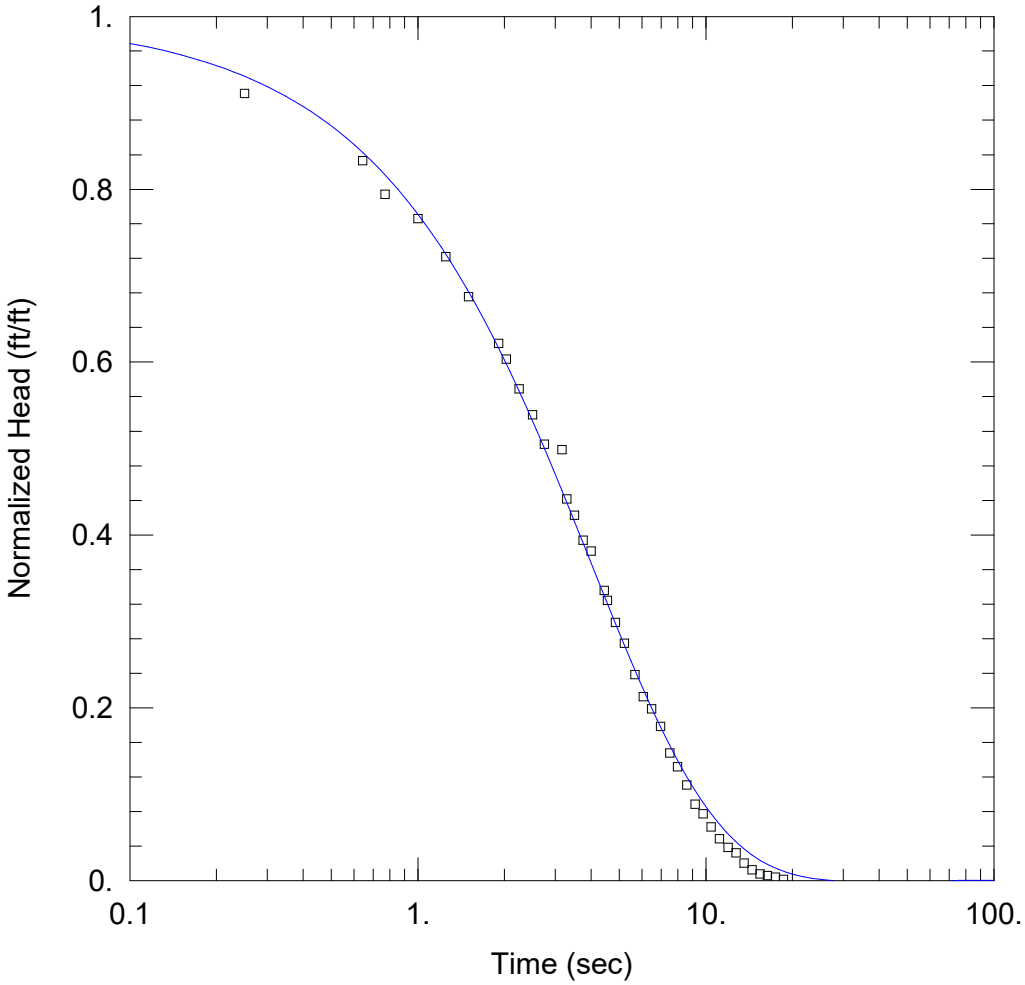
## WELL DATA (JPZ1780 Rising Head)

Initial Displacement: 1.594 ft
Total Well Penetration Depth: 11.56 ft
Casing Radius: 0.083 ft
Static Water Column Height: 11.56 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

K = 0.009391 cm/sec
y0 = 1.587 ft




## JPZ1780 RISING HEAD TEST

Data Set: X:\...\JPZ1780_RH_KGS.aqt
Date: 01/07/25 Time: 11:05:44

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: JPZ1780
Test Date: 10/17/2024

## AQUIFER DATA

Saturated Thickness: 11.56 ft

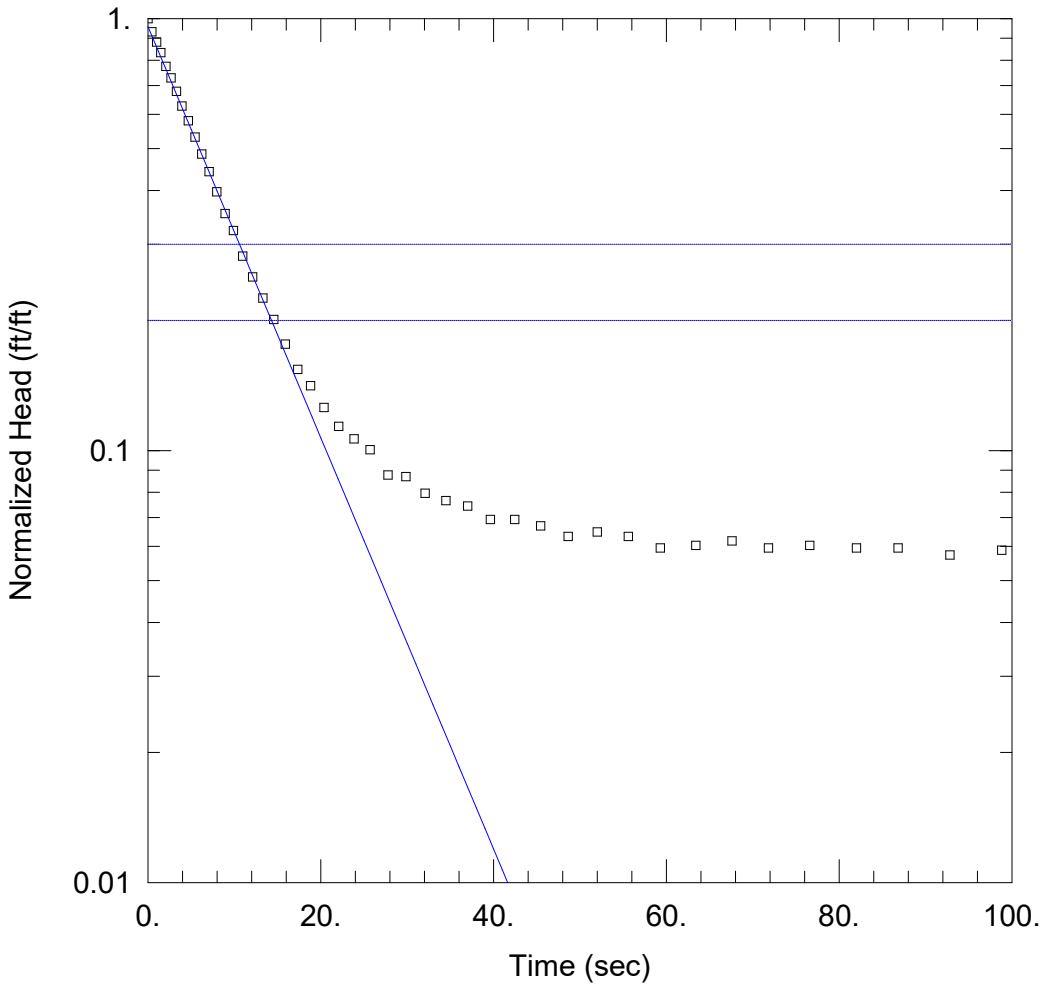
## WELL DATA (JPZ1780 Rising Head)

Initial Displacement: 1.594 ft
Total Well Penetration Depth: 11.56 ft
Casing Radius: 0.083 ft
Static Water Column Height: 11.56 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.01107 cm/sec
Kz/Kr = 0.17
Ss = 5.266E-7 $ft^{-1}$




## OW01004 FALLING HEAD TEST

Data Set: X:\...\OW01004_FHT_BR.aqt
Date: 01/07/25 Time: 11:09:27

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: OW01004
Test Date: 7/10/2024

## AQUIFER DATA

Saturated Thickness: 27.64 ft Anisotropy Ratio (Kz/Kr): 0.17

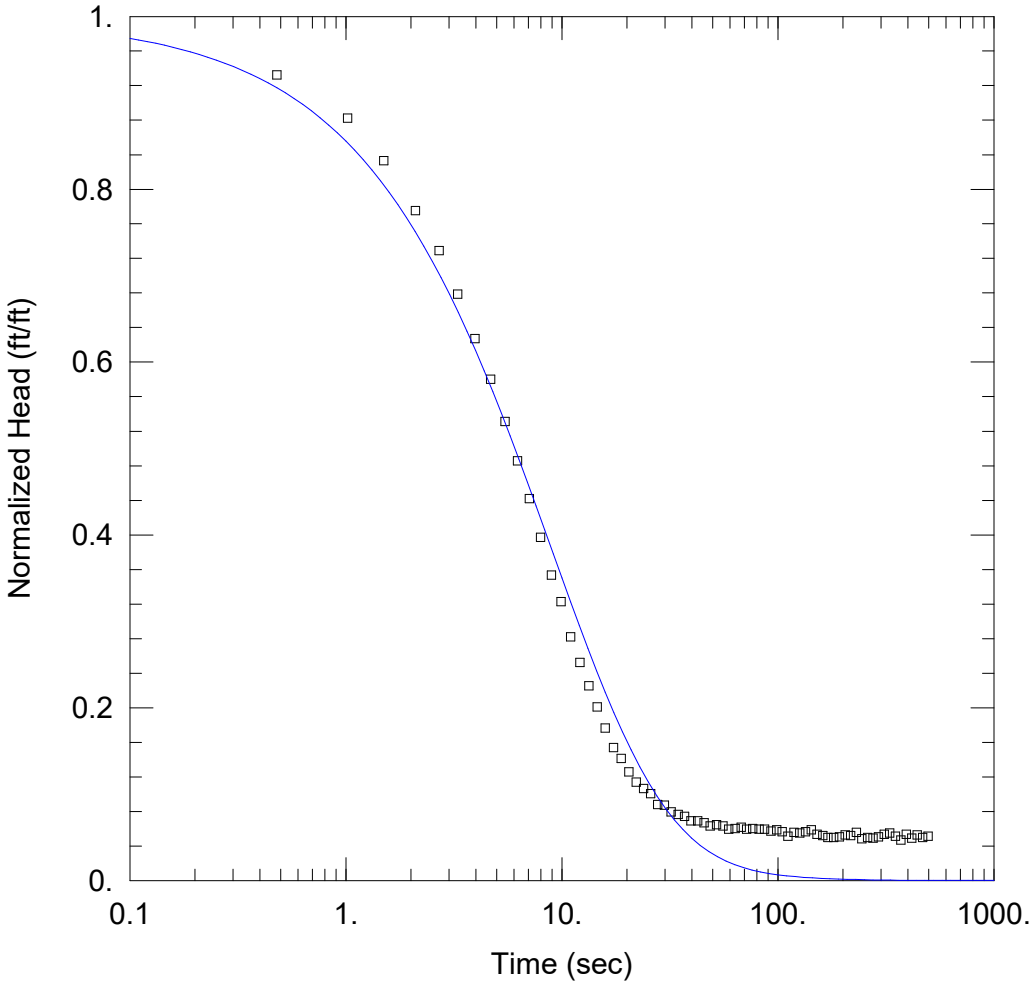
## WELL DATA (OW01004)

Initial Displacement: 1.344 ft
Total Well Penetration Depth: 27.64 ft
Casing Radius: 0.083 ft
Static Water Column Height: 27.64 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

K = 0.004787 cm/sec
y0 = 1.288 ft




## OW01004 FALLING HEAD TEST

Data Set: X:\...\OW01004_FHT_KGS.aqt
Date: 01/07/25 Time: 11:12:24

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: OW01004
Test Date: 7/10/2024

## AQUIFER DATA

Saturated Thickness: 27.64 ft

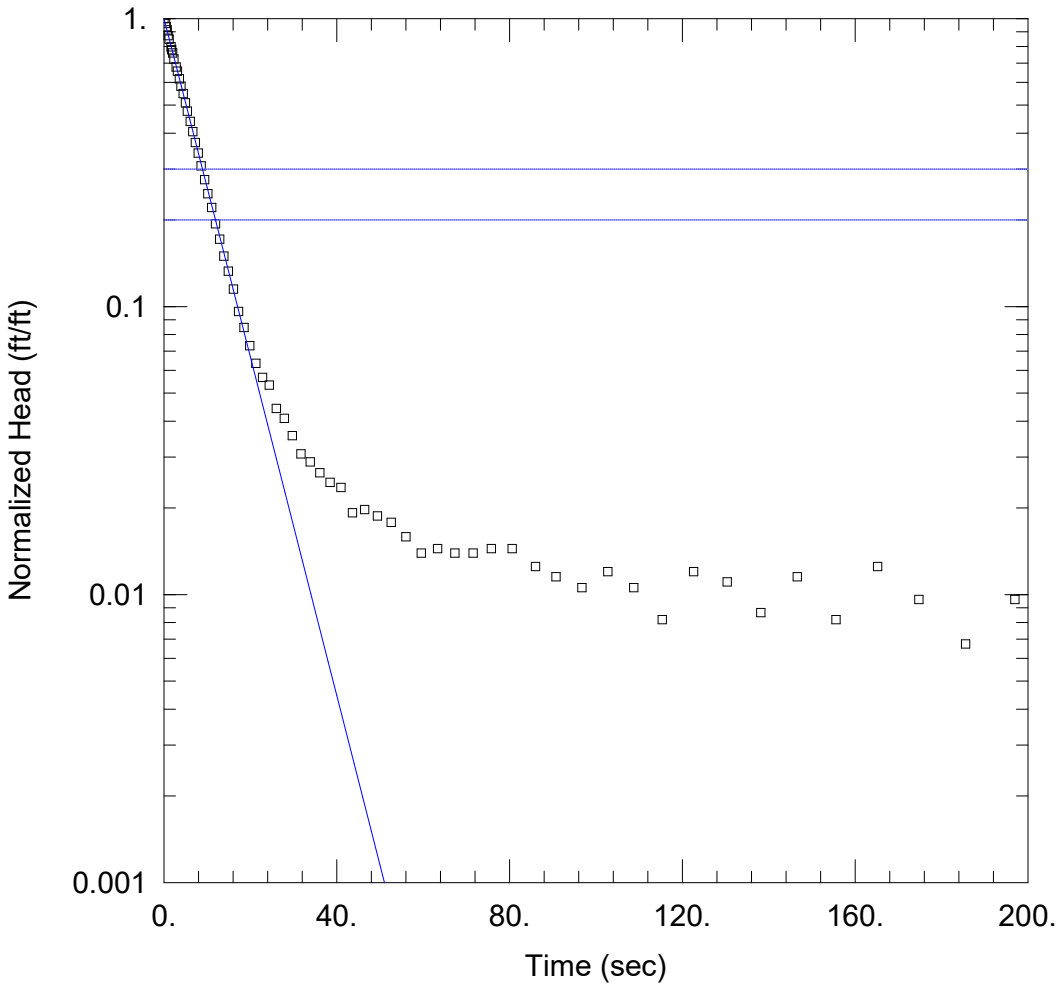
## WELL DATA (OW01004)

Initial Displacement: 1.344 ft
Total Well Penetration Depth: 27.64 ft
Casing Radius: 0.083 ft
Static Water Column Height: 27.64 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.00423 cm/sec
Kz/Kr = 0.17
Ss = 1.243E-5 $ft^{-1}$




## OW01004 RISING HEAD TEST

Data Set: X:\...\OW01004_RHT_BR.aqt
Date: 01/07/25 Time: 11:15:26

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: OW01004
Test Date: 7/10/2024

## AQUIFER DATA

Saturated Thickness: 27.64 ft Anisotropy Ratio (Kz/Kr): 0.17

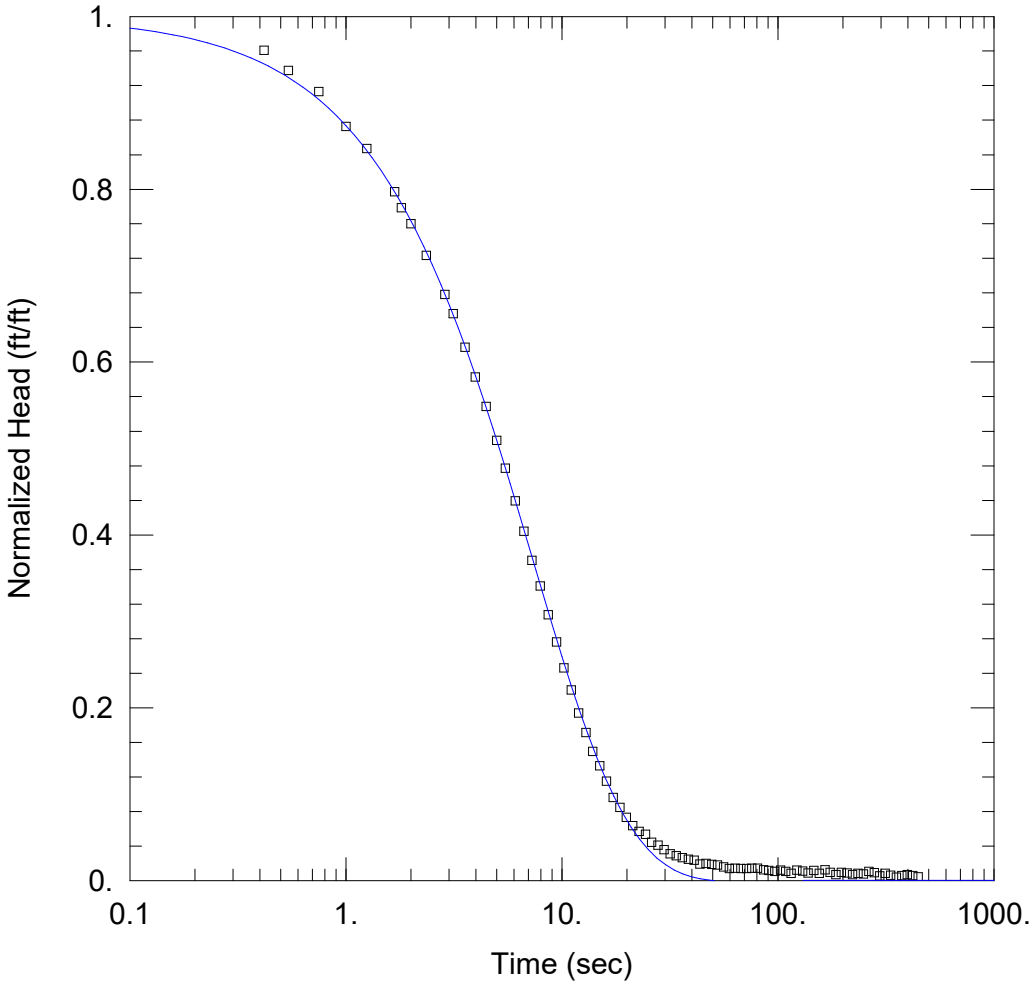
## WELL DATA (OW01004)

Initial Displacement: 2.08 ft
Total Well Penetration Depth: 27.64 ft
Casing Radius: 0.083 ft
Static Water Column Height: 27.64 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

K = 0.005914 cm/sec
y0 = 2.086 ft




## OW01004 RISING HEAD TEST

Data Set: X:\...\OW01004_RHT_KGS.aqt
Date: 01/07/25 Time: 11:19:39

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: OW01004
Test Date: 7/10/2024

## AQUIFER DATA

Saturated Thickness: 27.64 ft

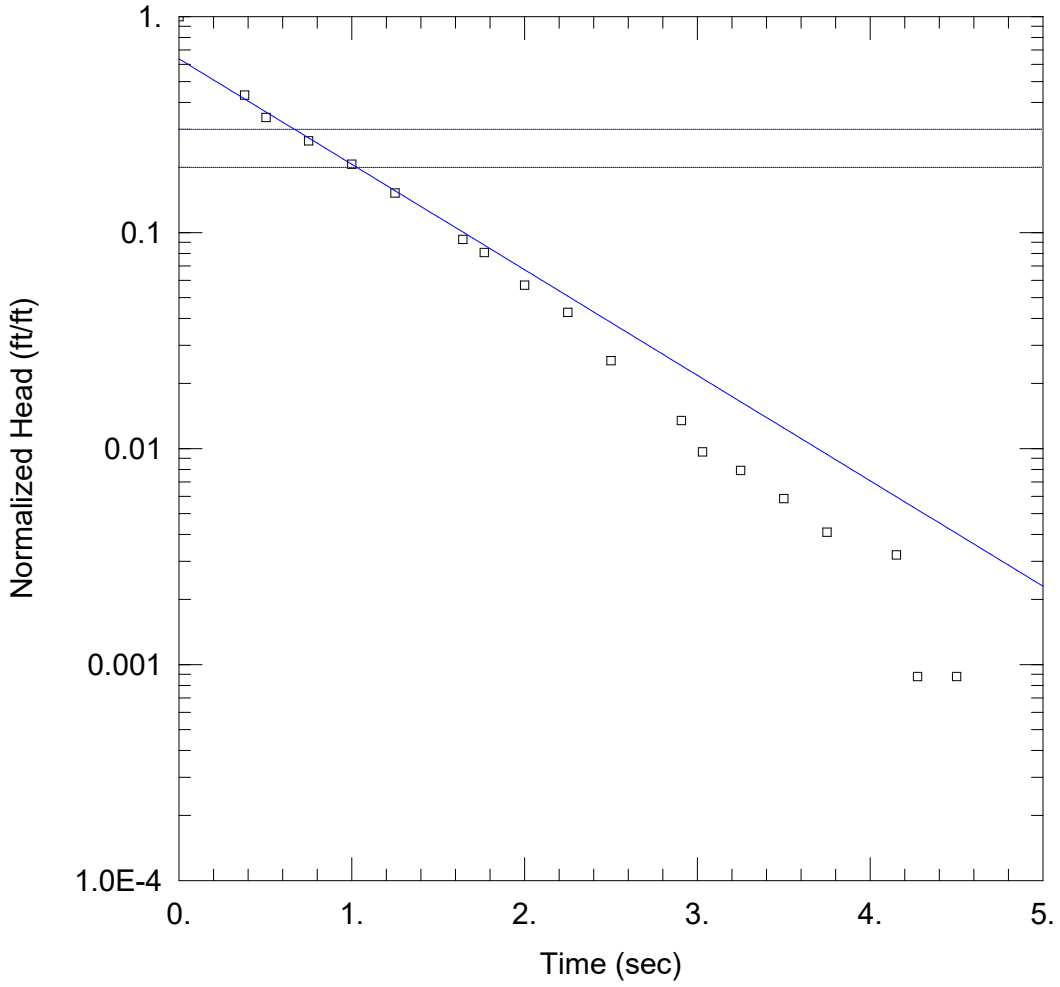
## WELL DATA (OW01004)

Initial Displacement: 2.08 ft
Total Well Penetration Depth: 27.64 ft
Casing Radius: 0.083 ft
Static Water Column Height: 27.64 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.006675 cm/sec
Kz/Kr = 0.17
Ss = 1.474E-9 $ft^{-1}$




## OW05003 RISING HEAD TEST 1

Data Set: X:\...\OW05003_RH_BR.aqt
Date: 01/07/25 Time: 11:27:09

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: OW05003
Test Date: 10/16/2024

## AQUIFER DATA

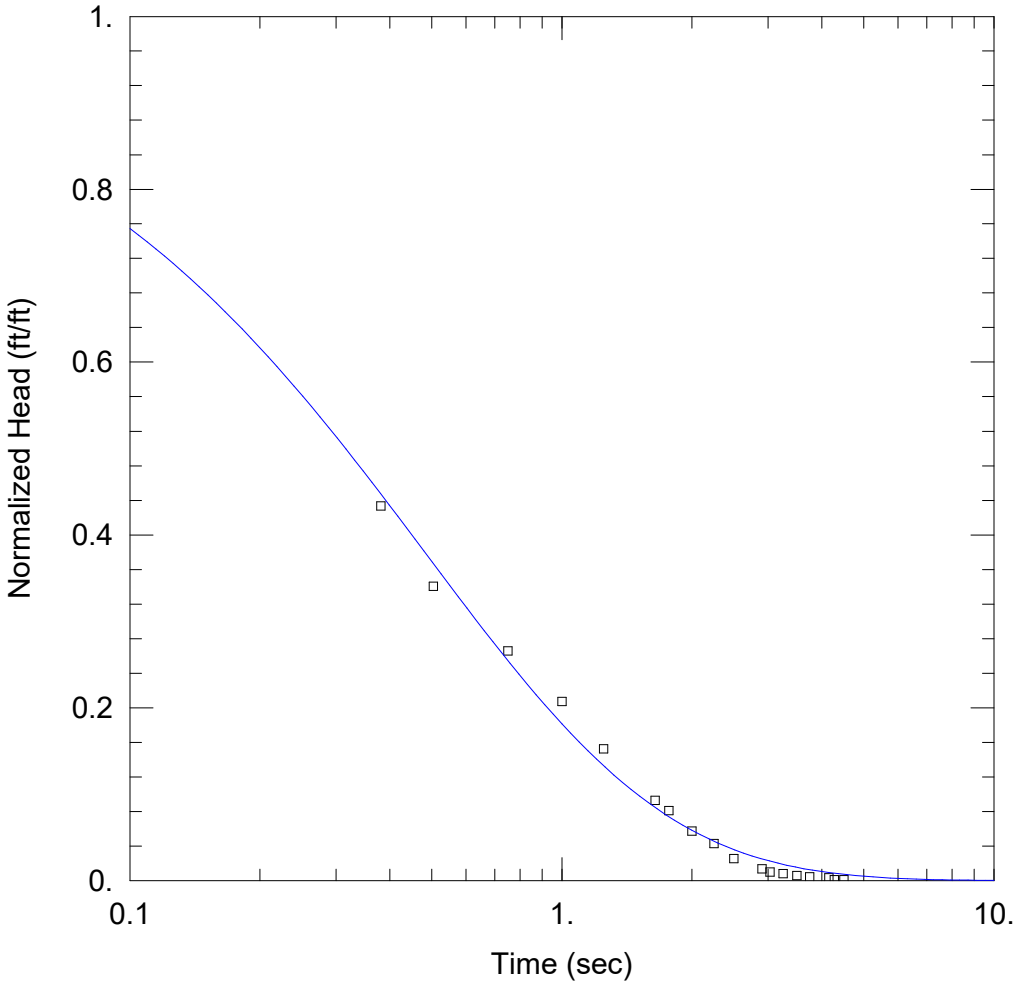
Saturated Thickness: 5.44 ft
Anisotropy Ratio (Kz/Kr): 0.17

## WELL DATA (OW05003)

Initial Displacement: 3.415 ft
Total Well Penetration Depth: 5.44 ft
Casing Radius: 0.083 ft
Static Water Column Height: 5.44 ft
Screen Length: 5.44 ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.3

## SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.1703 cm/sec
y0 = 2.174 ft




## OW05003 RISING HEAD TEST 1

Data Set: X:\...\OW05003_RH_KGS.aqt
Date: 01/07/25 Time: 12:37:53

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: OW05003
Test Date: 10/16/2024

## AQUIFER DATA

Saturated Thickness: 5.44 ft

## WELL DATA (OW05003)

Initial Displacement: 3.415 ft
Total Well Penetration Depth: 5.44 ft
Casing Radius: 0.083 ft

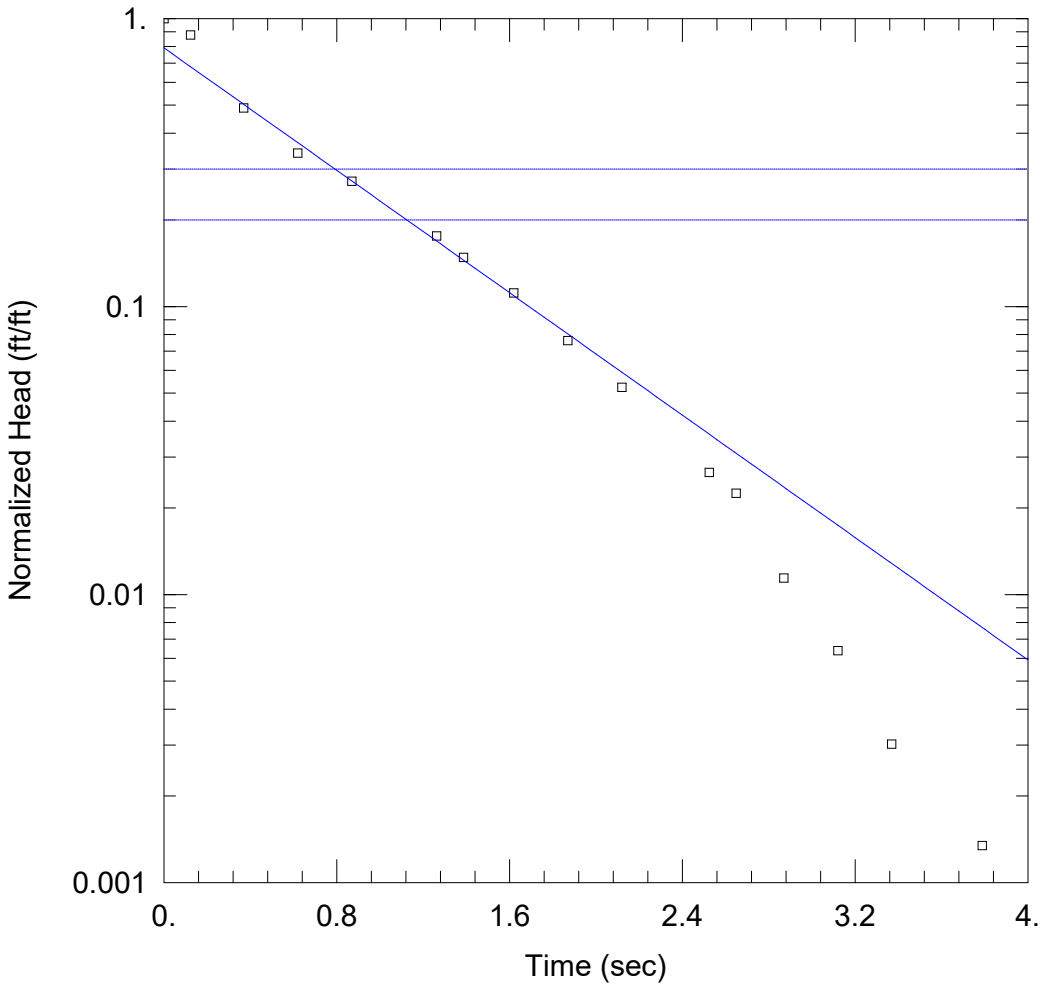
Static Water Column Height: 5.44 ft
Screen Length: 5.44 ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.3

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.1068 cm/sec
Kz/Kr = 0.17

Ss = 0.0001215 $ft^{-1}$




OW05003 RISING HEAD TEST 2

Data Set: \...\OW05003_RH2_BR.aqt
Date: 03/17/25 Time: 15:33:02

PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: OW05003
Test Date: 10/16/2024

AQUIFER DATA

Saturated Thickness: 5.44 ft Anisotropy Ratio (Kz/Kr): 0.17

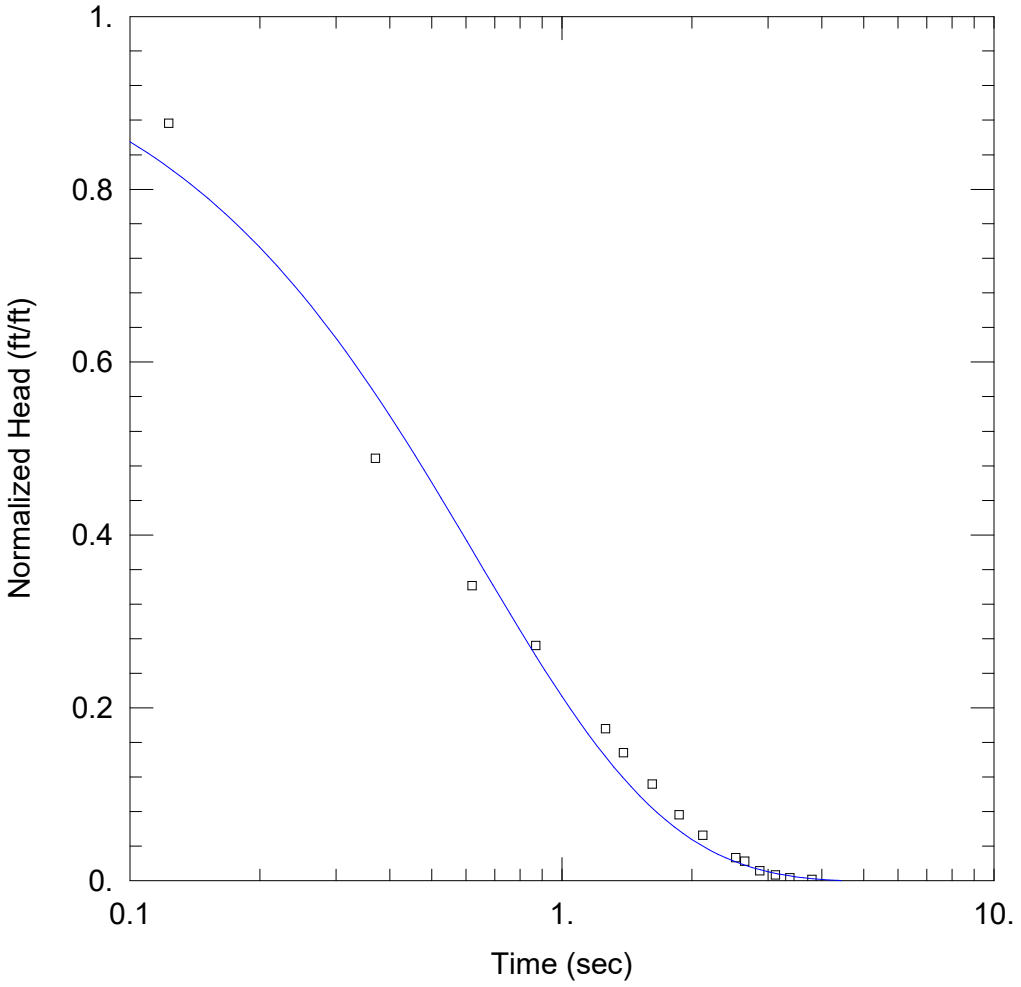
WELL DATA (OW05003)

Initial Displacement: 2.978 ft
Total Well Penetration Depth: 5.44 ft
Casing Radius: 0.083 ft
Static Water Column Height: 5.44 ft
Screen Length: 5.44 ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 0.1853 cm/sec y0 = 2.355 ft




## OW05003 RISING HEAD TEST 2

Data Set: \...\OW05003_RH2_KGS.aqt
Date: 03/17/25 Time: 15:33:57

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: OW05003
Test Date: 10/16/2024

## AQUIFER DATA

Saturated Thickness: 5.44 ft

## WELL DATA (OW05003)

Initial Displacement: 2.978 ft
Total Well Penetration Depth: 5.44 ft
Casing Radius: 0.083 ft

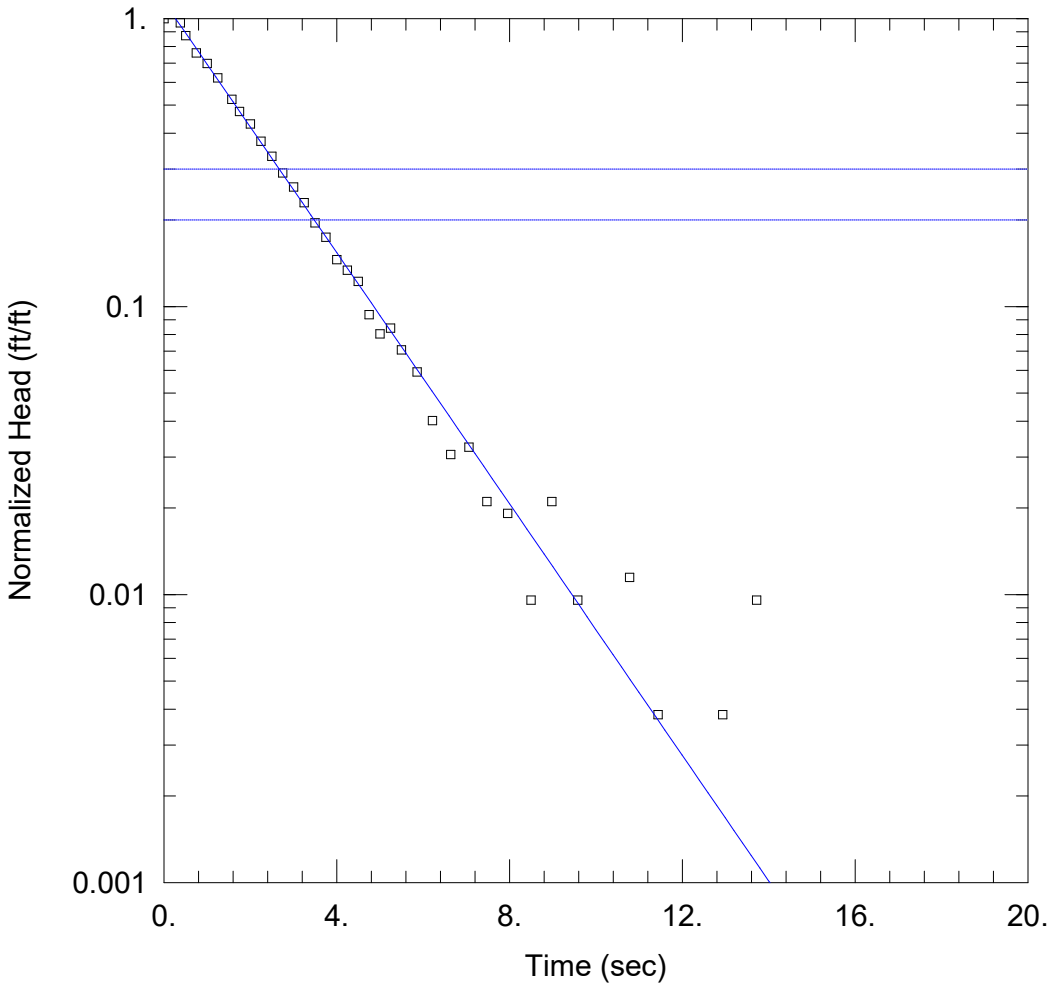
Static Water Column Height: 5.44 ft
Screen Length: 5.44 ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.3

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.09951 cm/sec
Kz/Kr = 0.17

Ss = 5.328E-7 $ft^{-1}$




## OW07001 RISING HEAD TEST 1

Data Set: X:\...\OW07001_RHT1_BR.aqt
Date: 01/07/25 Time: 12:46:16

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: OW07001
Test Date: 10/18/2024

## AQUIFER DATA

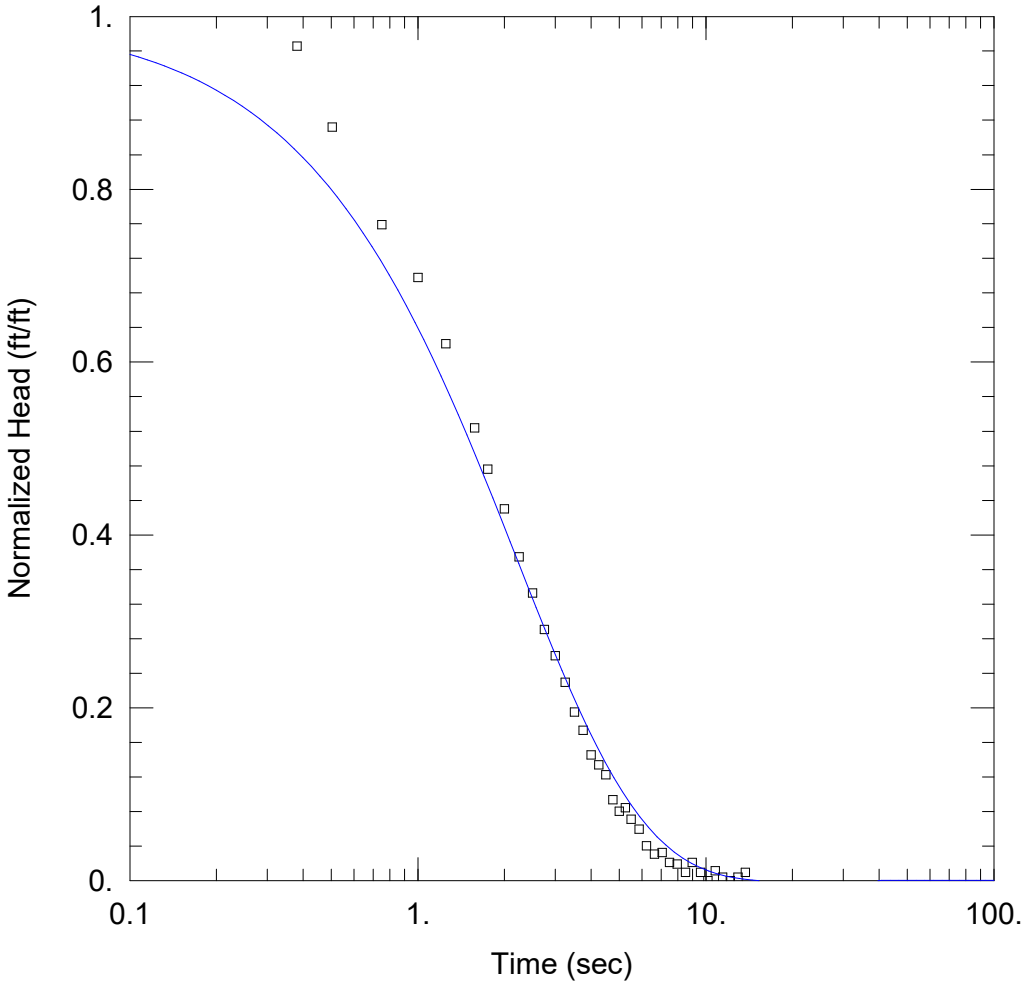
Saturated Thickness: 2.02 ft
Anisotropy Ratio (Kz/Kr): 0.17

## WELL DATA (OW07001)

Initial Displacement: 0.523 ft
Total Well Penetration Depth: 12.02 ft
Casing Radius: 0.083 ft
Static Water Column Height: 2.02 ft
Screen Length: 10. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.3

## SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.2087 cm/sec
y0 = 0.5991 ft




## OW07001 RISING HEAD TEST 1

Data Set: X:\...\OW07001_RHT1_KGS.aqt
Date: 01/07/25 Time: 12:51:45

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: OW07001
Test Date: 10/18/2024

## AQUIFER DATA

Saturated Thickness: 2.02 ft

## WELL DATA (OW07001)

Initial Displacement: 0.523 ft
Total Well Penetration Depth: 12.02 ft
Casing Radius: 0.083 ft

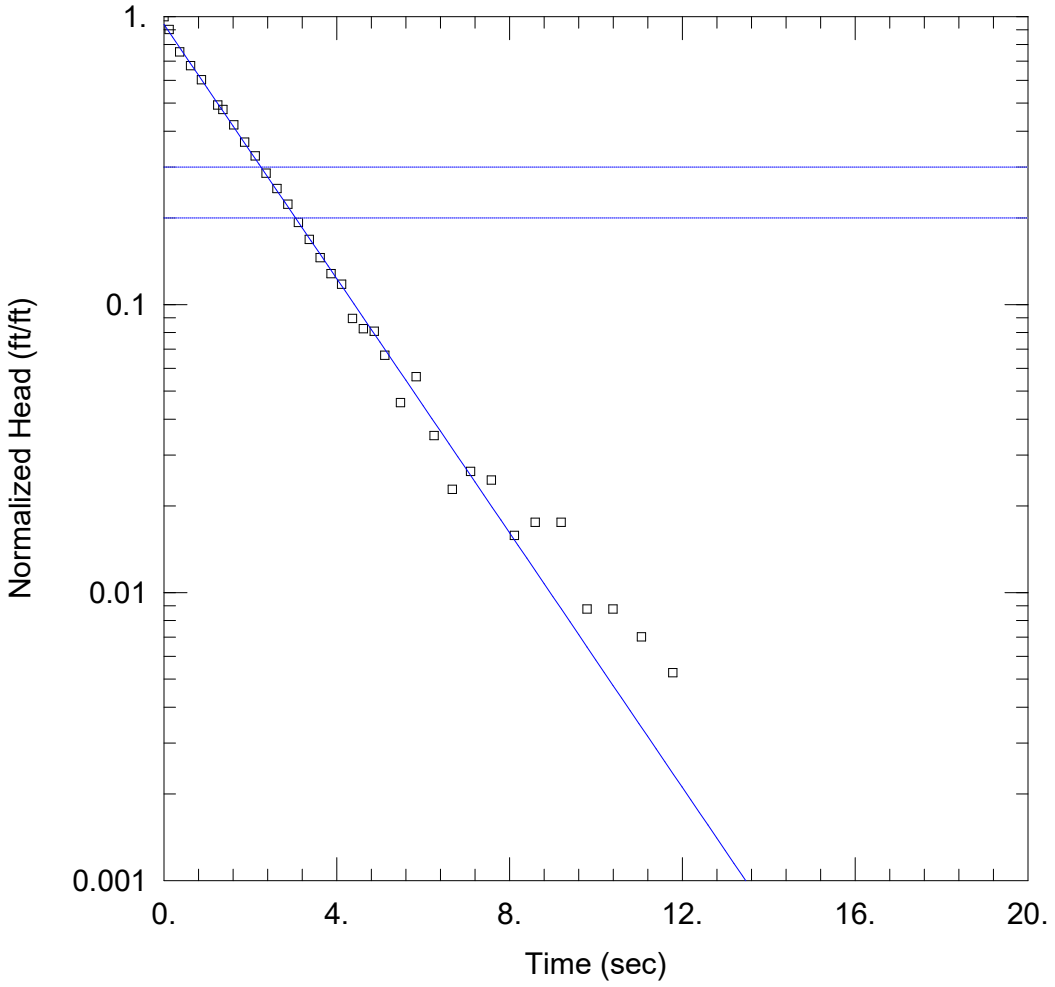
Static Water Column Height: 2.02 ft
Screen Length: 10. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.3

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.05583 cm/sec
Kz/Kr = 0.17

Ss = 5.684E-8 $ft^{-1}$




## OW07001 RISING HEAD TEST 2

Data Set: X:\...\OW07001_RHT2_BR.aqt
Date: 01/07/25 Time: 12:53:34

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: OW07001
Test Date: 10/18/2024

## AQUIFER DATA

Saturated Thickness: 2.02 ft Anisotropy Ratio (Kz/Kr): 0.17

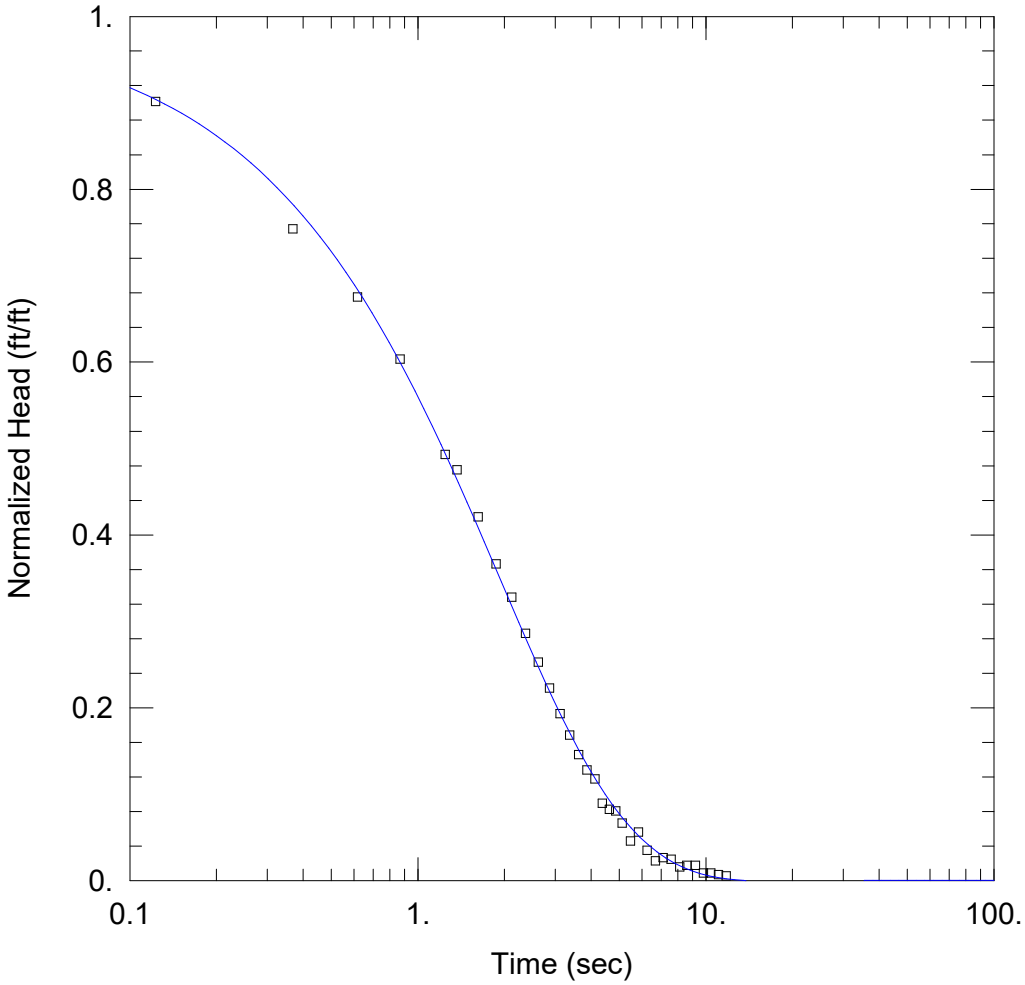
## WELL DATA (OW07001)

Initial Displacement: 0.57 ft
Total Well Penetration Depth: 12.02 ft
Casing Radius: 0.083 ft
Static Water Column Height: 2.02 ft
Screen Length: 10. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.3

## SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 0.2113 cm/sec y0 = 0.5349 ft




## OW07001 RISING HEAD TEST 2

Data Set: X:\...\OW07001_RHT2_KGS.aqt
Date: 01/07/25 Time: 12:56:37

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: OW07001
Test Date: 10/18/2024

## AQUIFER DATA

Saturated Thickness: 2.02 ft

## WELL DATA (OW07001)

Initial Displacement: 0.57 ft
Total Well Penetration Depth: 12.02 ft
Casing Radius: 0.083 ft

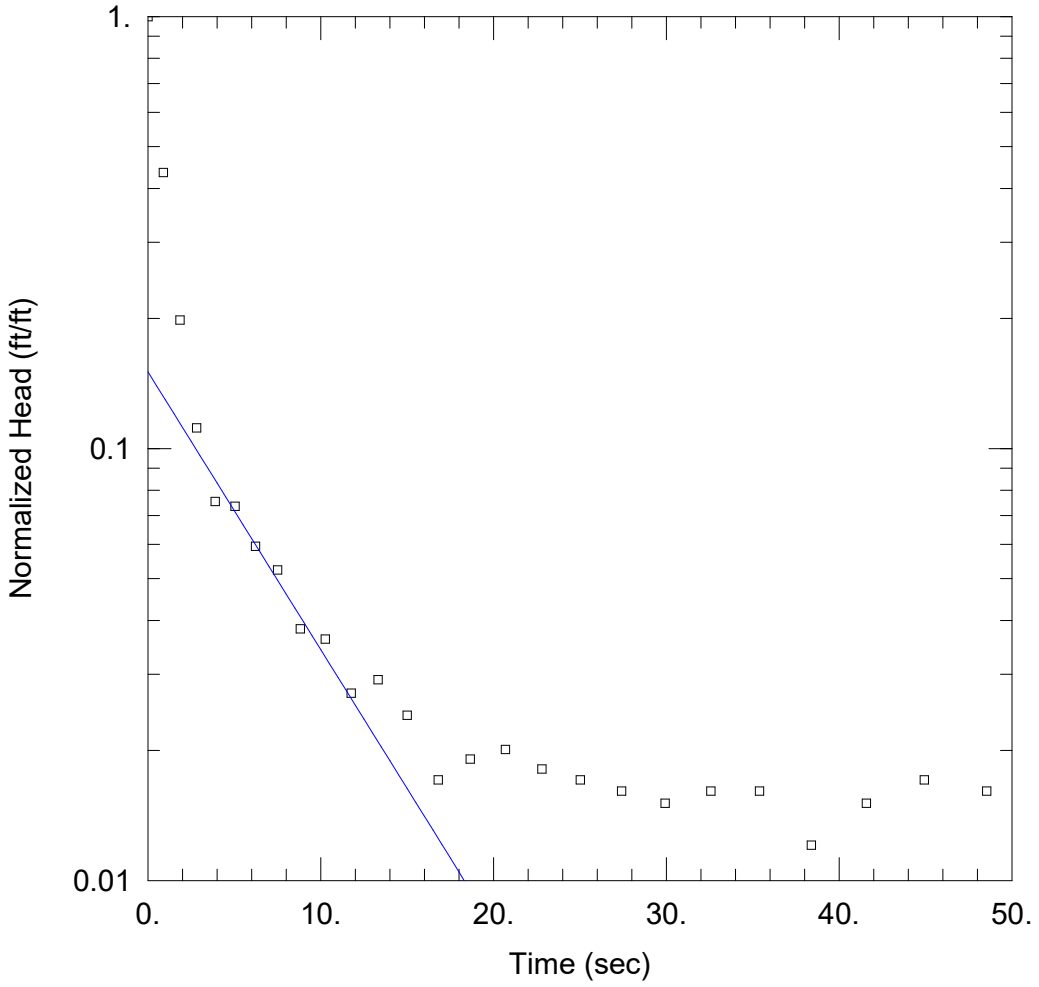
Static Water Column Height: 2.02 ft
Screen Length: 10. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.3

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.06728 cm/sec
Kz/Kr = 0.17

Ss = 0.0001792 $ft^{-1}$




## OW08001 RISING HEAD TEST 1

Data Set: \...\OW08001_RHT1_BR.aqt
Date: 03/17/25 Time: 16:08:51

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: OW08001
Test Date: 10/18/2024

## AQUIFER DATA

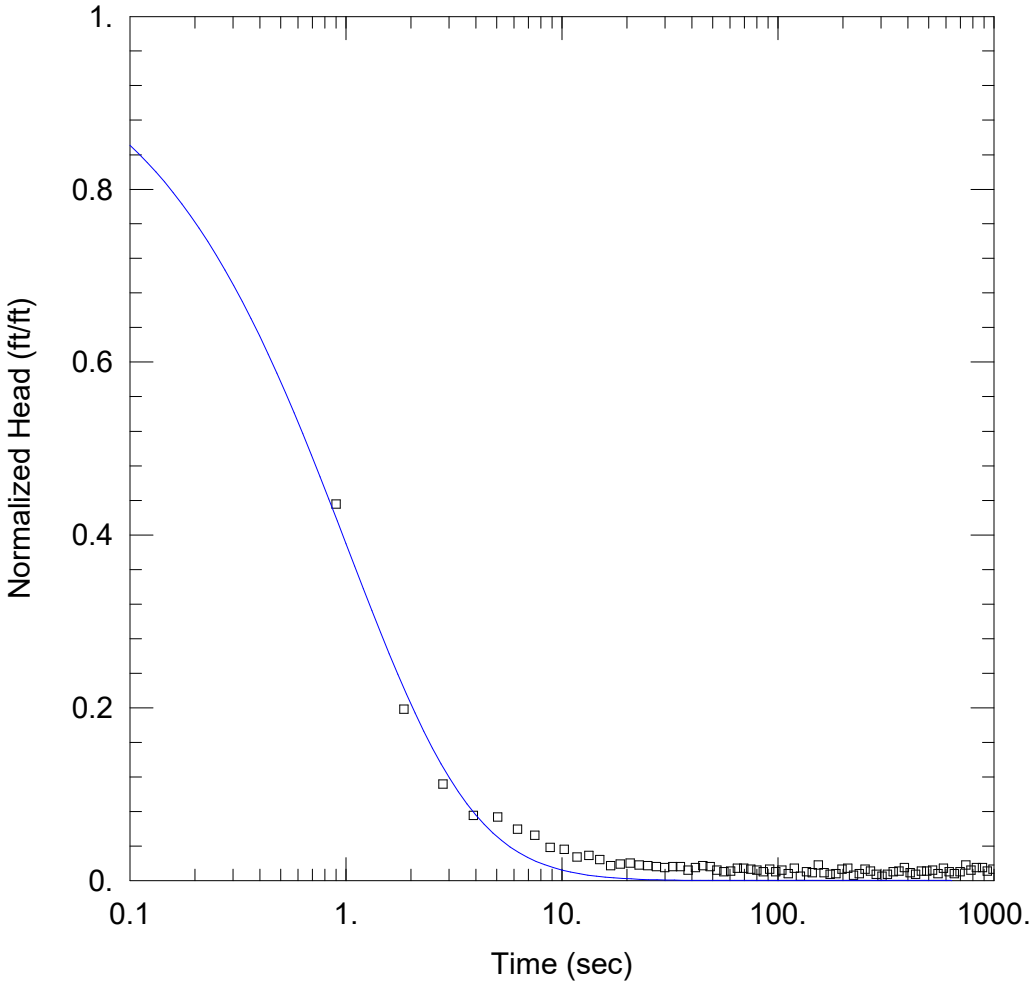
Saturated Thickness: 9.13 ft
Anisotropy Ratio (Kz/Kr): 0.17

## WELL DATA (OW08001)

Initial Displacement: 0.994 ft
Total Well Penetration Depth: 19.13 ft
Casing Radius: 0.083 ft
Static Water Column Height: 9.13 ft
Screen Length: 10. ft
Well Radius: 0.29 ft
Gravel Pack Porosity: 0.3

## SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.02274 cm/sec
y0 = 0.1495 ft




## OW08001 RISING HEAD TEST 1

Data Set: X:\...\OW08001_RHT1_KGS.aqt
Date: 01/07/25 Time: 13:08:40

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: OW08001
Test Date: 10/18/2024

## AQUIFER DATA

Saturated Thickness: 9.13 ft

## WELL DATA (OW08001)

Initial Displacement: 0.994 ft
Total Well Penetration Depth: 19.13 ft
Casing Radius: 0.083 ft

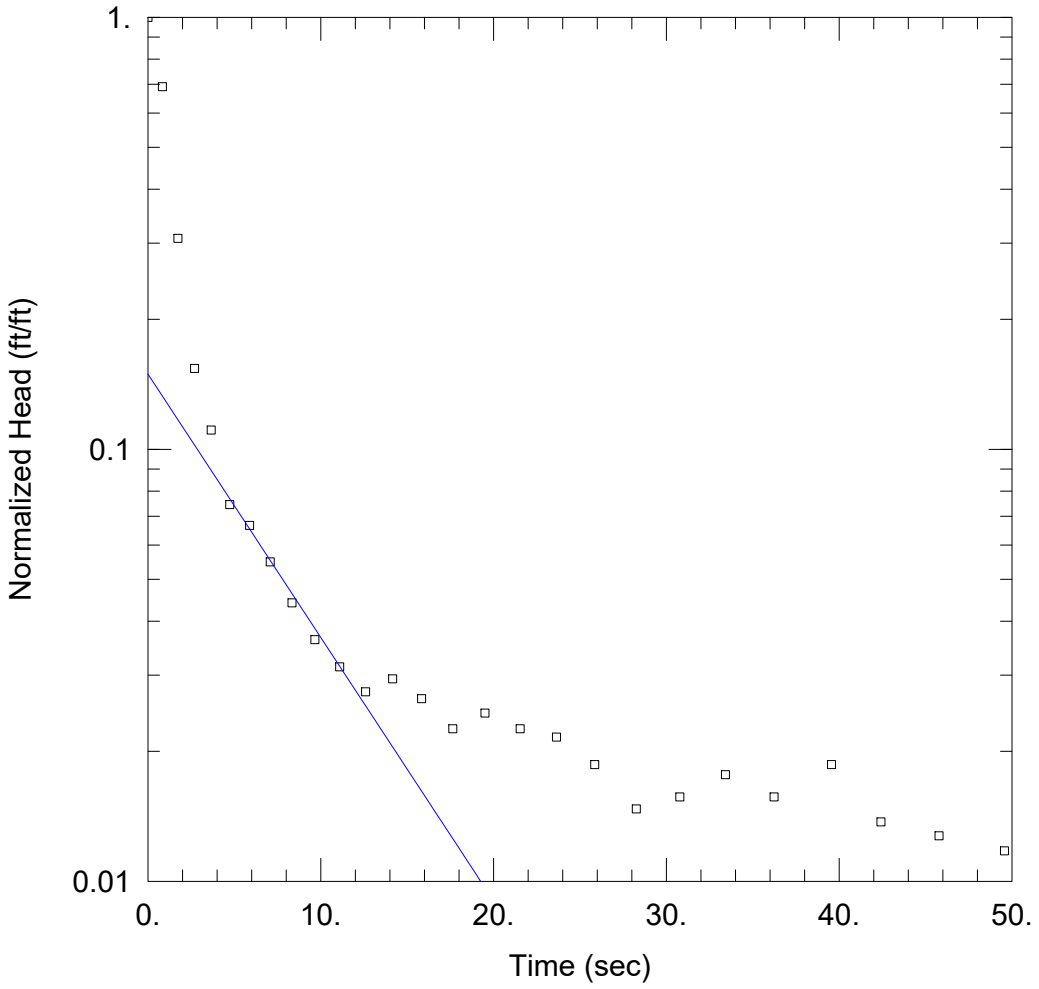
Static Water Column Height: 9.13 ft
Screen Length: 10. ft
Well Radius: 0.29 ft
Gravel Pack Porosity: 0.3

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.03018 cm/sec
Kz/Kr = 0.17

Ss = 5.882E-5 $ft^{-1}$




## OW08001 RISING HEAD TEST 2

Data Set: \...\OW08001_RHT2_BR.aqt
Date: 03/12/25 Time: 13:11:50

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: OW08001
Test Date: 10/18/2024

## AQUIFER DATA

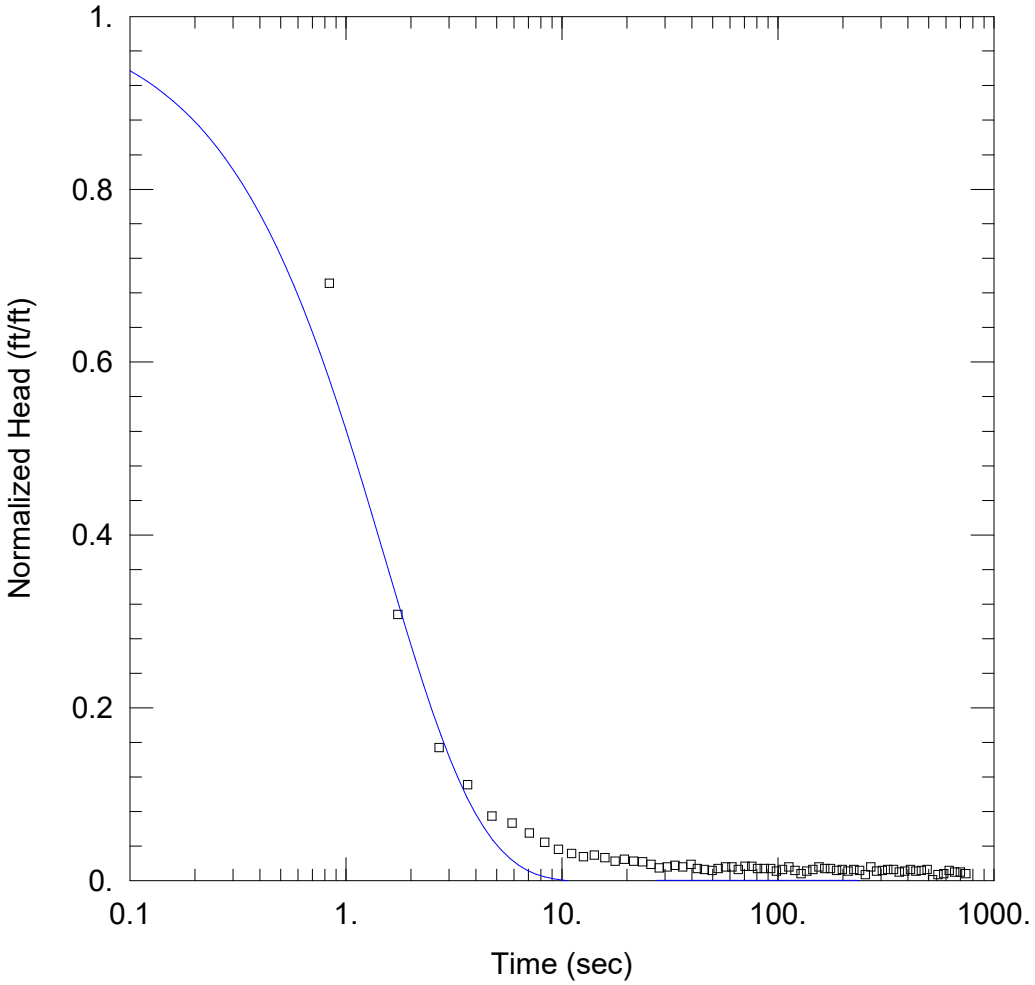
Saturated Thickness: 9.13 ft
Anisotropy Ratio (Kz/Kr): 0.17

## WELL DATA (OW08001)

Initial Displacement: 1.02 ft
Total Well Penetration Depth: 19.13 ft
Casing Radius: 0.083 ft
Static Water Column Height: 19.13 ft
Screen Length: 10. ft
Well Radius: 0.29 ft
Gravel Pack Porosity: 0.3

## SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.02156 cm/sec
y0 = 0.1523 ft




## OW08001 RISING HEAD TEST 2

Data Set: X:\...\OW08001_RHT2_KGS.aqt
Date: 01/07/25 Time: 13:17:13

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: OW08001
Test Date: 10/18/2024

## AQUIFER DATA

Saturated Thickness: 9.13 ft

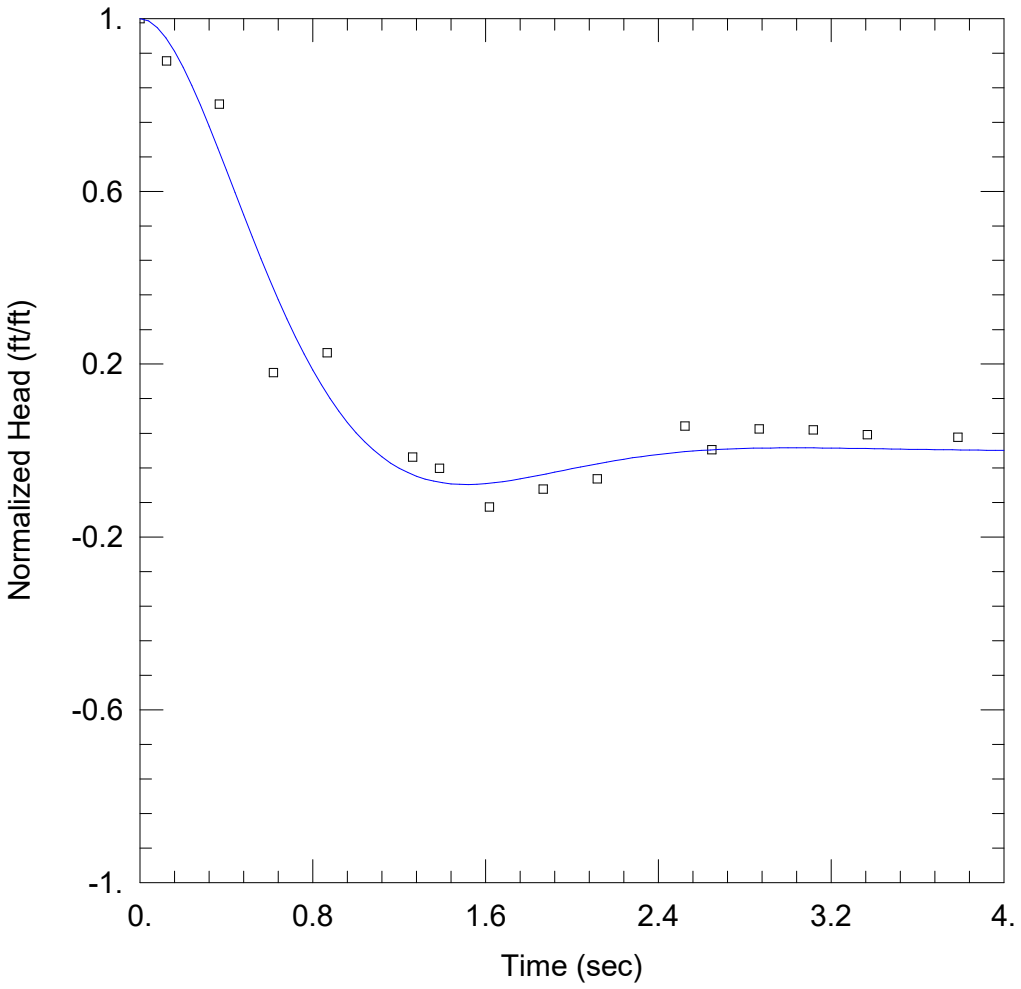
## WELL DATA (OW08001)

Initial Displacement: 1.02 ft
Total Well Penetration Depth: 19.13 ft
Casing Radius: 0.083 ft
Static Water Column Height: 19.13 ft
Screen Length: 10. ft
Well Radius: 0.29 ft
Gravel Pack Porosity: 0.3

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.02754 cm/sec
Kz/Kr = 0.17
Ss = 3.27E-9 $ft^{-1}$




## OW08002 FALLING HEAD TEST

Data Set: \...\OW08002_FH_Butler.aqt
Date: 03/17/25 Time: 15:35:28

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: OW08002
Test Date: 10/17/2024

## AQUIFER DATA

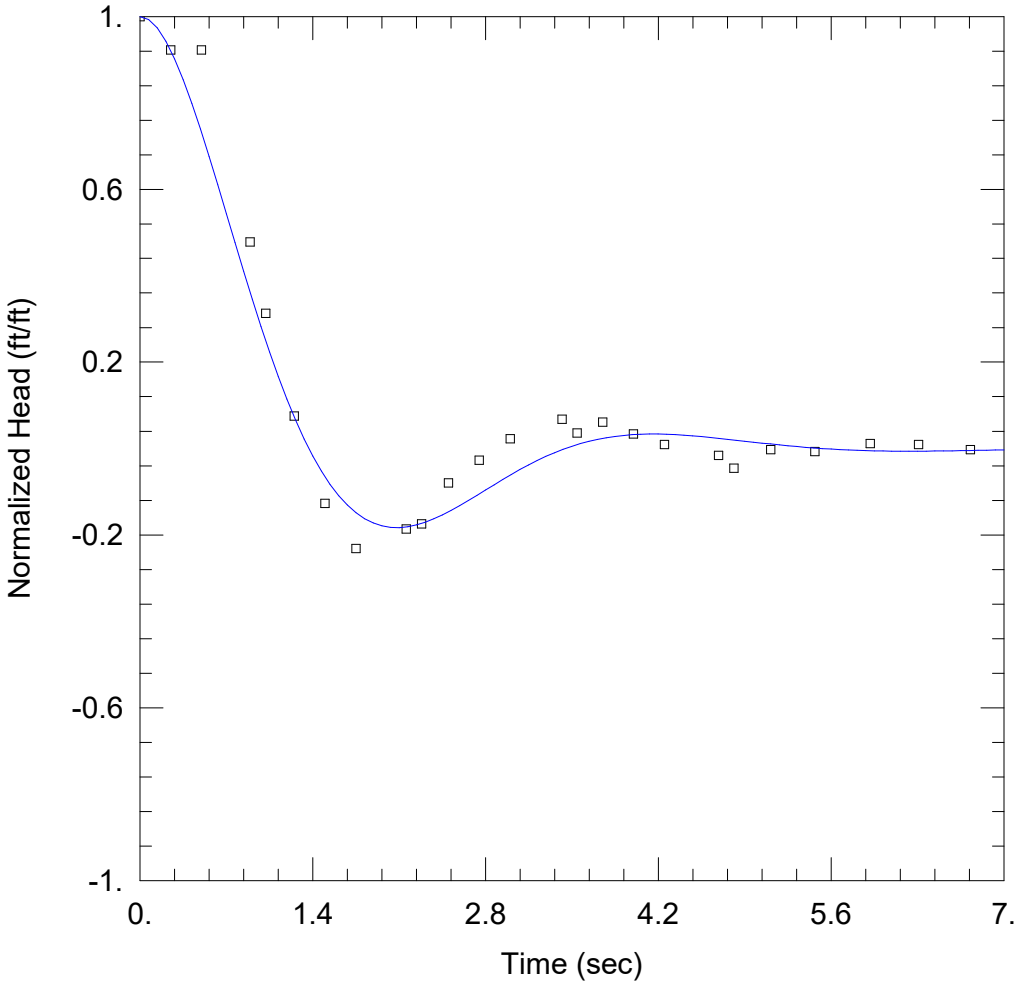
Saturated Thickness: 9.56 ft
Anisotropy Ratio (Kz/Kr): 0.17

## WELL DATA (OW08002)

Initial Displacement: 0.46 ft
Total Well Penetration Depth: 9.56 ft
Casing Radius: 0.083 ft
Static Water Column Height: 9.56 ft
Screen Length: 9.56 ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.3

## SOLUTION

Aquifer Model: Confined
Solution Method: Butler
K = 0.1236 cm/sec
Le = 4.504 ft




## OW08002 RISING HEAD TEST

Data Set: X:\...\OW08002_RH_Springer-Gelhar.aqt
Date: 01/07/25 Time: 13:52:29

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: OW08002
Test Date: 10/17/2024

## AQUIFER DATA

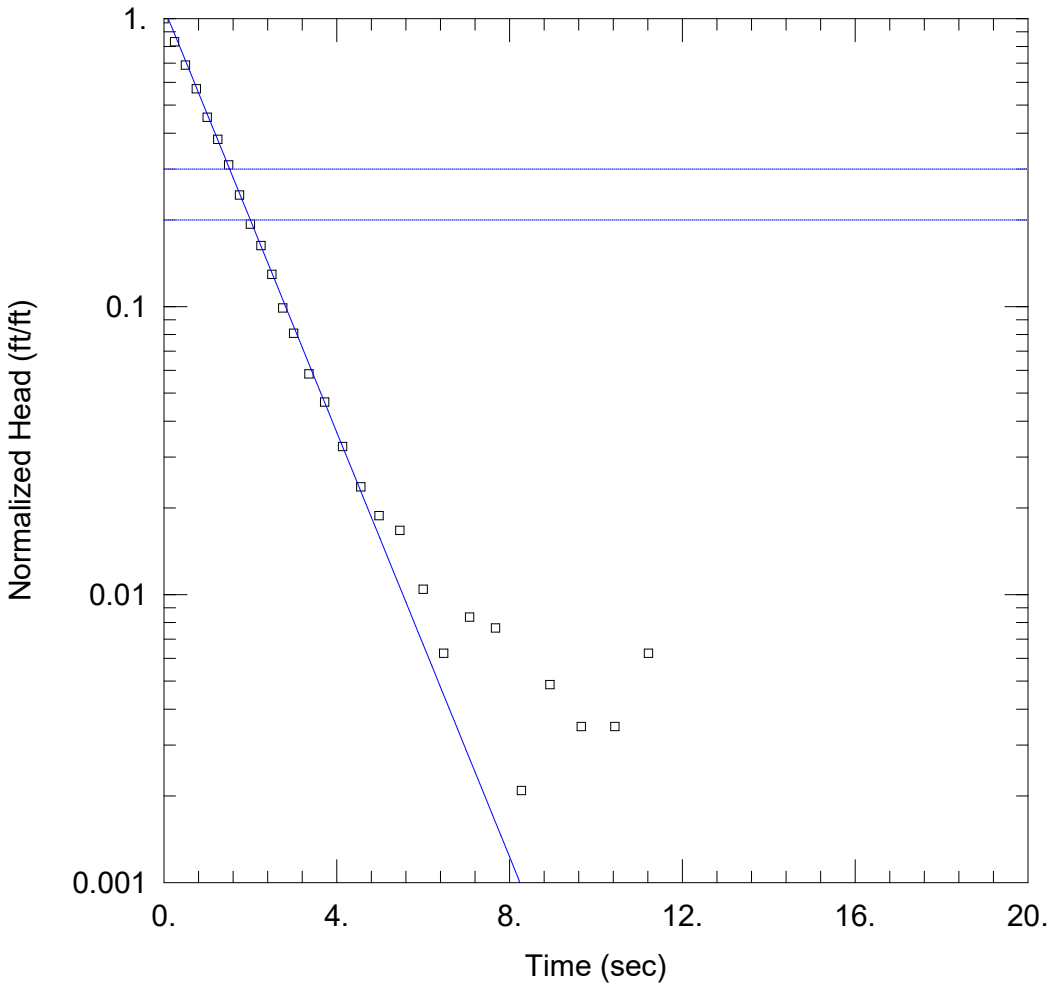
Saturated Thickness: 9.56 ft
Anisotropy Ratio (Kz/Kr): 0.17

## WELL DATA (OW08002)

Initial Displacement: 0.441 ft
Total Well Penetration Depth: 9.56 ft
Casing Radius: 0.083 ft
Static Water Column Height: 9.56 ft
Screen Length: 9.56 ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.3

## SOLUTION

Aquifer Model: Unconfined
Solution Method: Springer-Gelhar
K = 0.05502 cm/sec
Le = 10.92 ft




## OW12002 RISING HEAD TEST 1

Data Set: \...\OW12002_RH_BR.aqt
Date: 03/17/25 Time: 15:36:32

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: OW12002
Test Date: 10/15/2024

## AQUIFER DATA

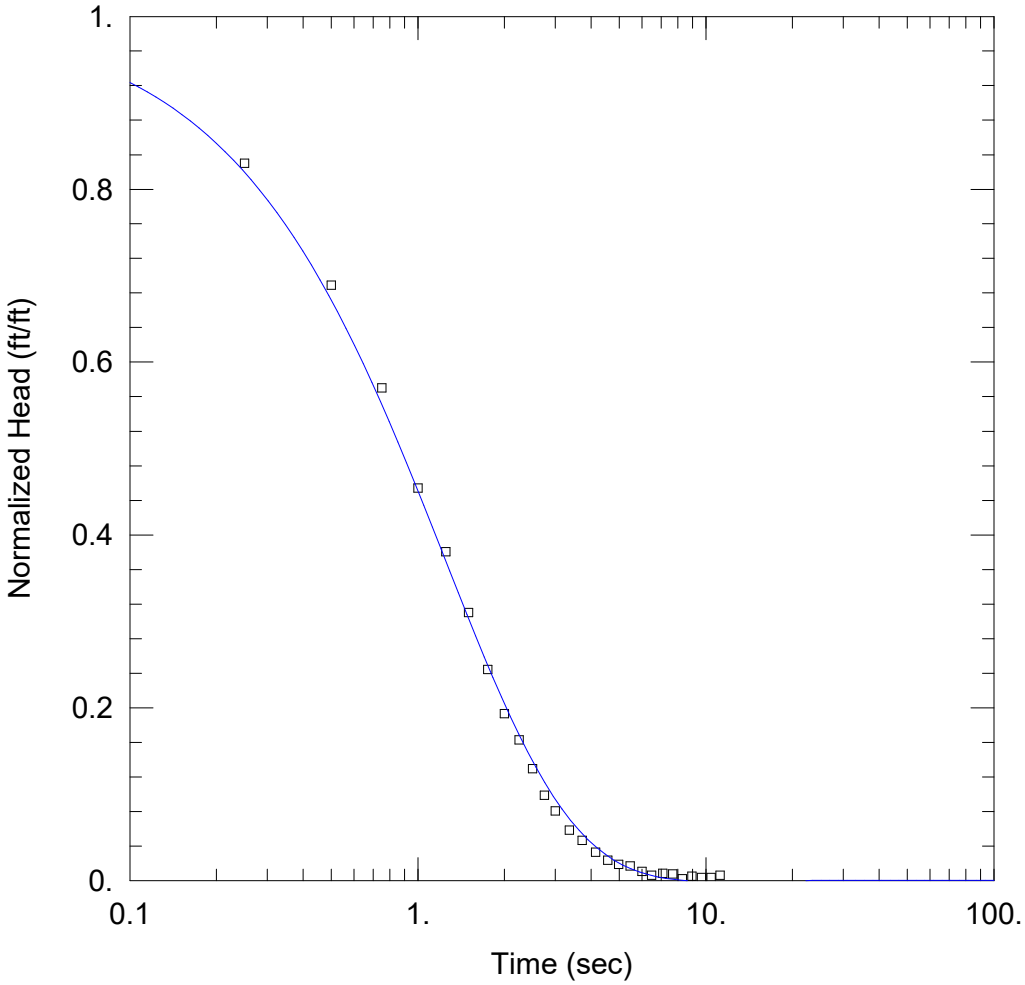
Saturated Thickness: 5.67 ft
Anisotropy Ratio (Kz/Kr): 0.17

## WELL DATA (OW12002)

Initial Displacement: 1.438 ft
Total Well Penetration Depth: 5.67 ft
Casing Radius: 0.083 ft
Static Water Column Height: 5.67 ft
Screen Length: 5.67 ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.3

## SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.1252 cm/sec
y0 = 1.566 ft




## OW12002 RISING HEAD TEST 1

Data Set: \...\OW12002_RH_KGS.aqt
Date: 03/17/25 Time: 15:37:22

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: OW12002
Test Date: 10/15/2024

## AQUIFER DATA

Saturated Thickness: 5.67 ft

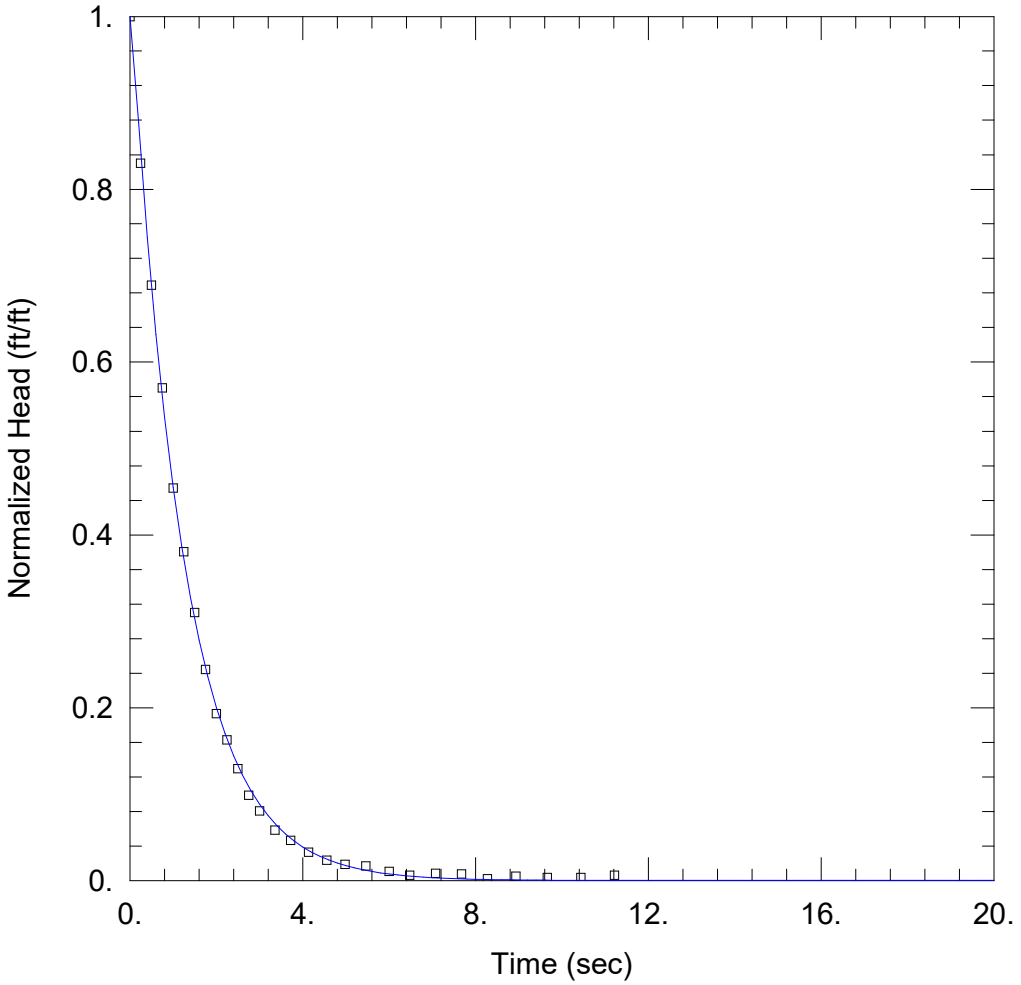
## WELL DATA (OW12002)

Initial Displacement: 1.438 ft
Total Well Penetration Depth: 5.67 ft
Casing Radius: 0.083 ft
Static Water Column Height: 5.67 ft
Screen Length: 5.67 ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.3

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.04962 cm/sec
Kz/Kr = 0.17
Ss = 1.764E-11 $ft^{-1}$




## OW12002 RISING HEAD TEST 1

Data Set: \...\OW12002_RH_Springer_Gellhar.aqt
Date: 03/17/25 Time: 15:39:16

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: OW12002
Test Date: 10/15/2024

## AQUIFER DATA

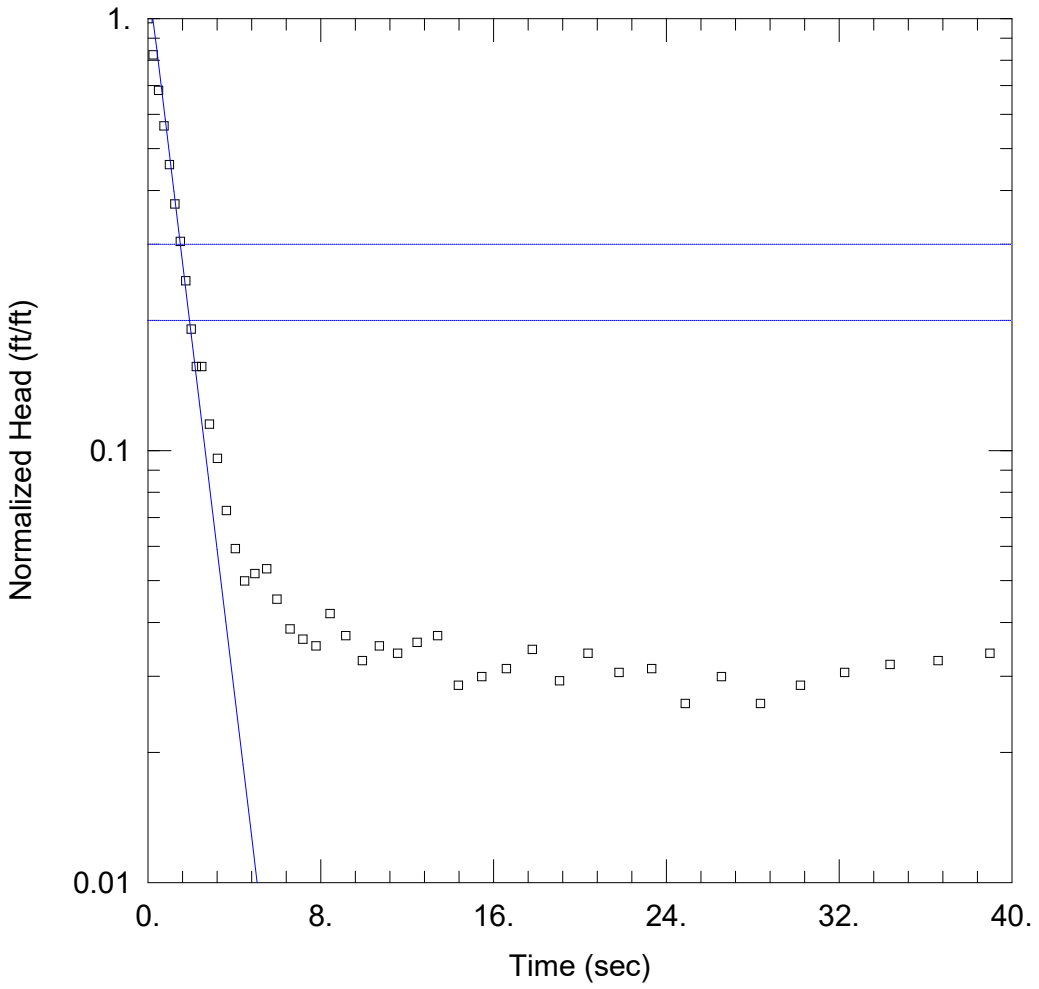
Saturated Thickness: 5.67 ft
Anisotropy Ratio (Kz/Kr): 0.17

## WELL DATA (OW12002)

Initial Displacement: 1.438 ft
Total Well Penetration Depth: 5.67 ft
Casing Radius: 0.083 ft
Static Water Column Height: 5.67 ft
Screen Length: 5.67 ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.3

## SOLUTION

Aquifer Model: Unconfined
Solution Method: Springer-Gelhar
K = 0.03427 cm/sec
Le = 1.563 ft




## OW12002 RISING HEAD TEST 2

Data Set: \...\OW12002_RH2_BR.aqt
Date: 03/17/25 Time: 15:39:55

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: OW12002
Test Date: 10/15/2024

## AQUIFER DATA

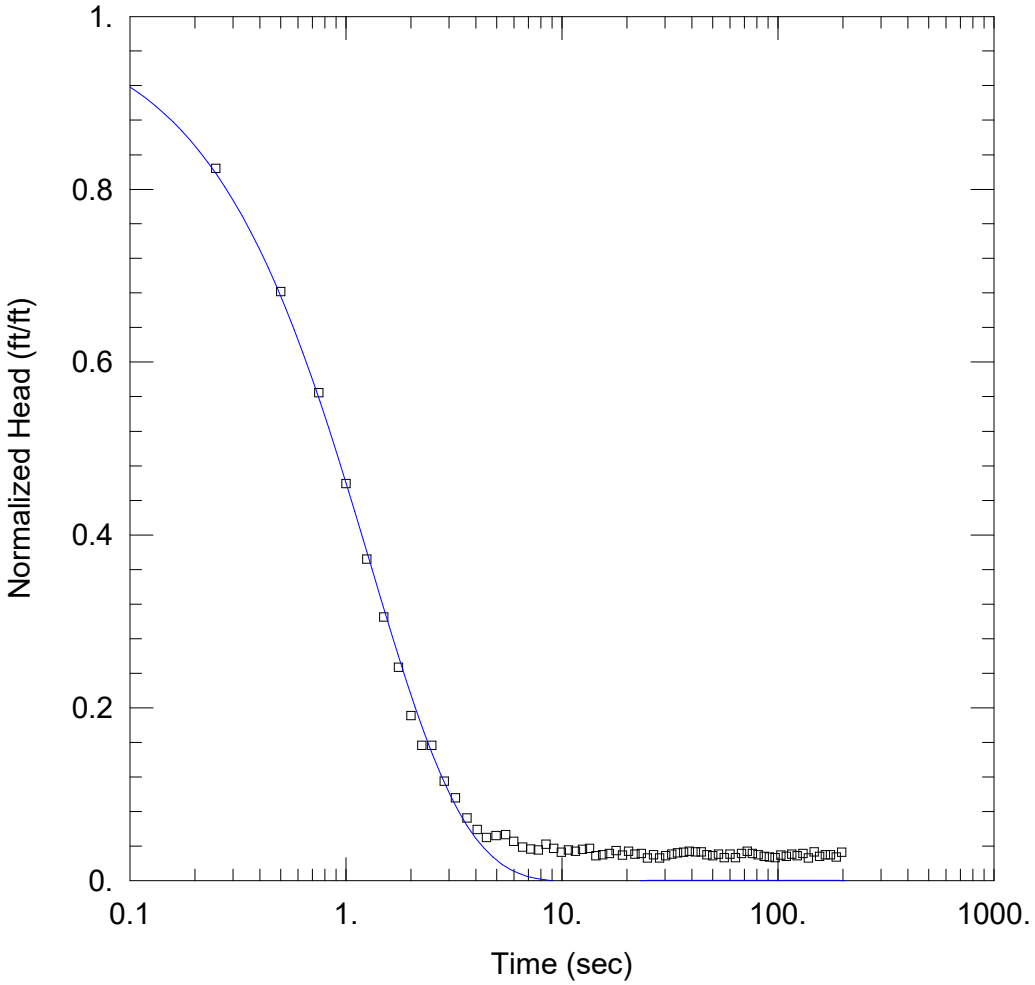
Saturated Thickness: 5.67 ft
Anisotropy Ratio (Kz/Kr): 0.17

## WELL DATA (OW12002)

Initial Displacement: 1.502 ft
Total Well Penetration Depth: 5.67 ft
Casing Radius: 0.083 ft
Static Water Column Height: 5.67 ft
Screen Length: 5.67 ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.3

## SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.141 cm/sec
y0 = 1.883 ft




## OW12002 RISING HEAD TEST 2

Data Set: \...\OW12002_RH2_KGS.aqt
Date: 03/17/25 Time: 15:40:42

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: OW12002
Test Date: 10/15/2024

## AQUIFER DATA

Saturated Thickness: 5.67 ft

## WELL DATA (OW12002)

Initial Displacement: 1.502 ft
Total Well Penetration Depth: 5.67 ft
Casing Radius: 0.083 ft

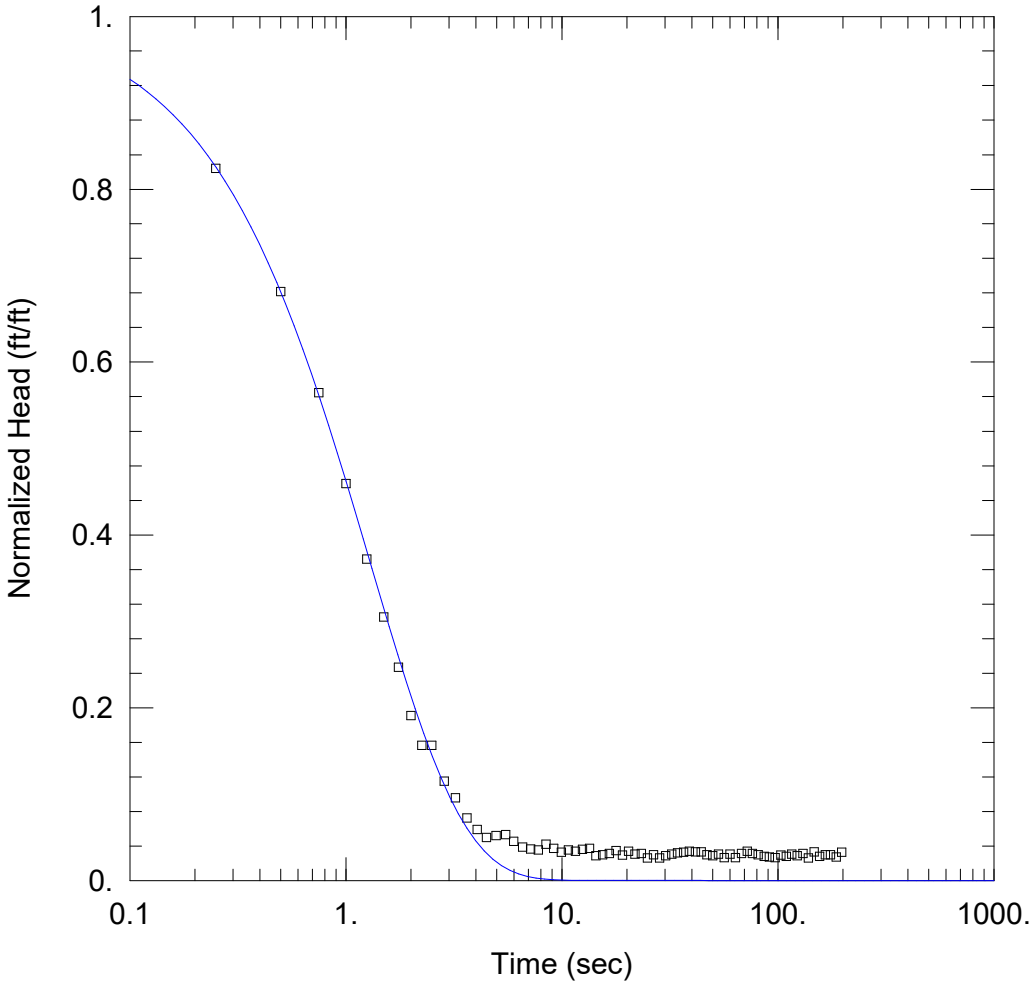
Static Water Column Height: 5.67 ft
Screen Length: 5.67 ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.3

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.04817 cm/sec
Kz/Kr = 0.17

Ss = 2.02E-6 $ft^{-1}$




OW12002 RISING HEAD TEST 2

Data Set: \...\OW12002_RH2_SpringerGelhar.aqt
Date: 03/17/25 Time: 15:41:32

PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: OW12002
Test Date: 10/15/2024

AQUIFER DATA

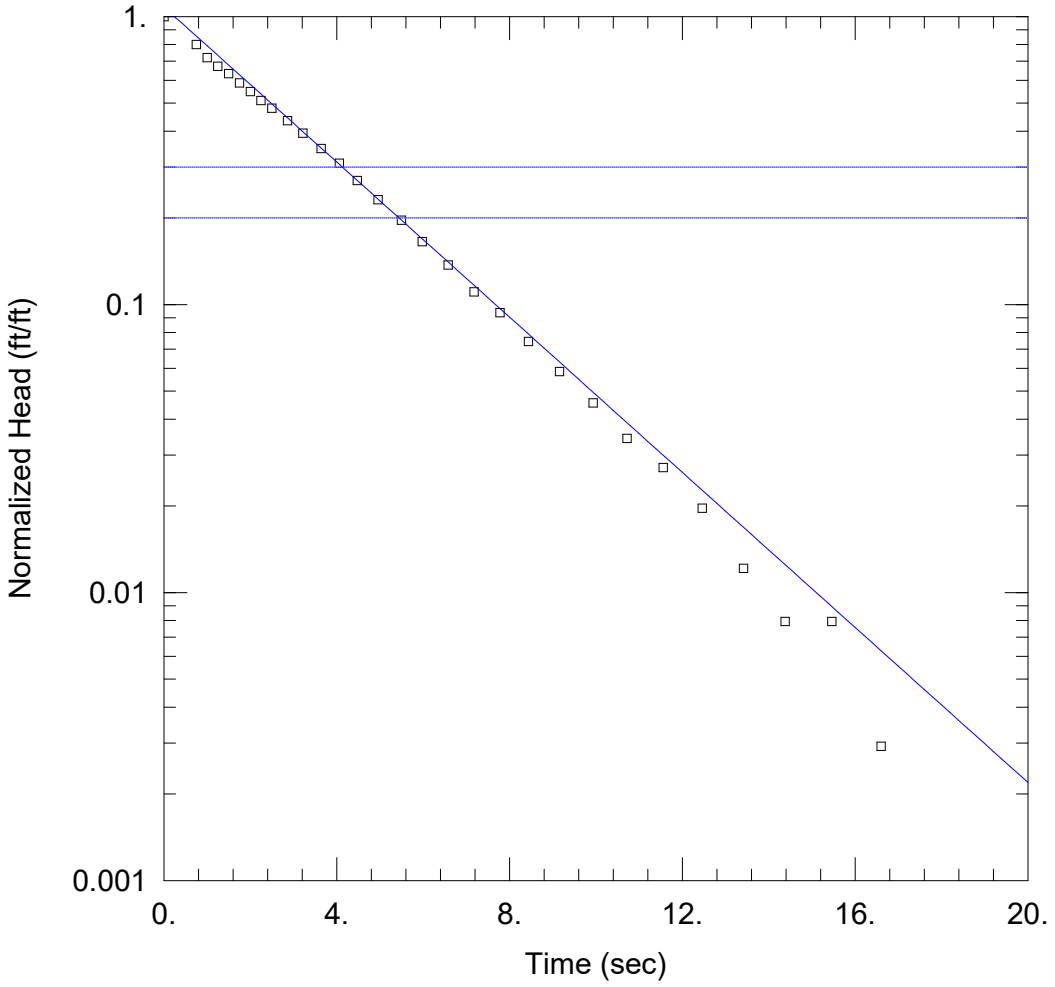
Saturated Thickness: 5.67 ft Anisotropy Ratio (Kz/Kr): 0.17

WELL DATA (OW12002)

Initial Displacement: 1.502 ft
Total Well Penetration Depth: 5.67 ft
Casing Radius: 0.083 ft
Static Water Column Height: 5.67 ft
Screen Length: 5.67 ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Unconfined
Solution Method: Springer-Gelhar
K = 0.03331 cm/sec
Le = 0.1 ft




## OW20001 RISING HEAD TEST

Data Set: X:\...\OW20001_RH3_BR.aqt
Date: 01/07/25 Time: 14:35:28

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: OW20001
Test Date: 7/18/2024

## AQUIFER DATA

Saturated Thickness: 27.84 ft Anisotropy Ratio (Kz/Kr): 0.17

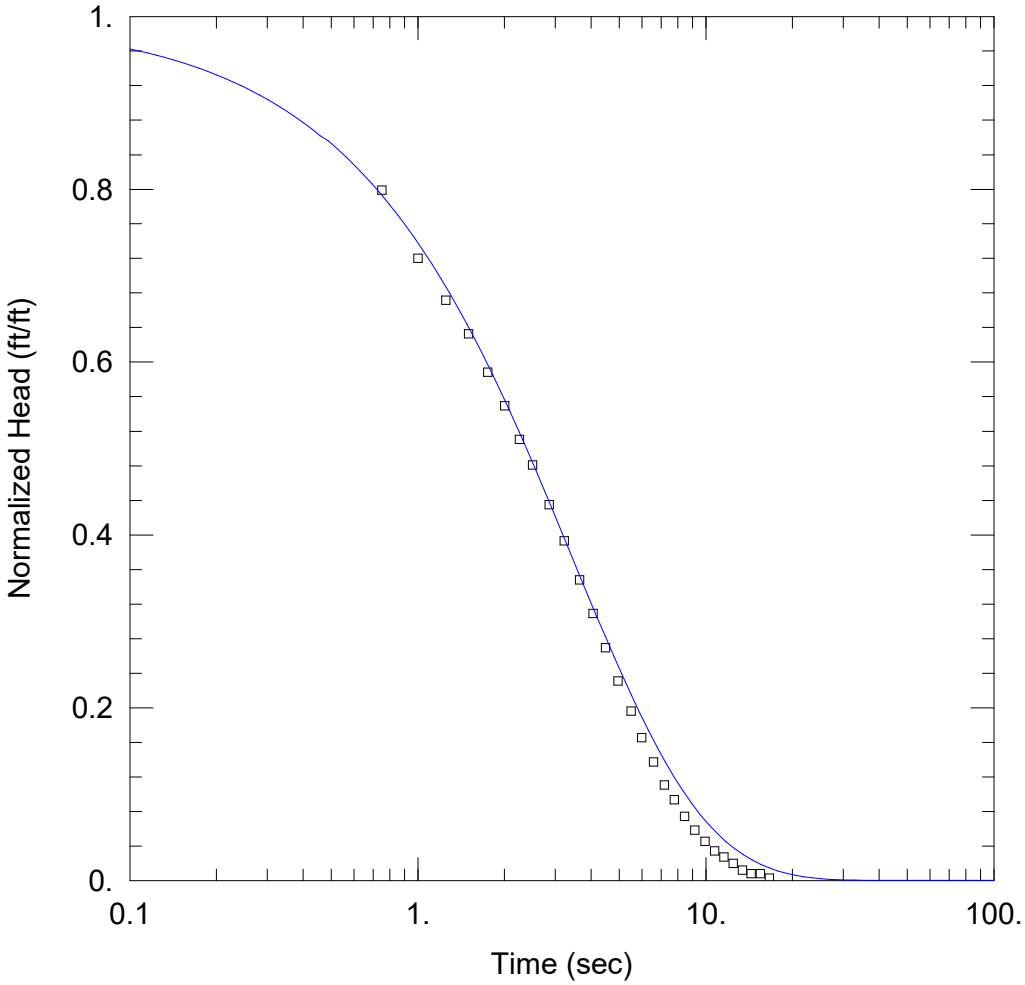
## WELL DATA (OW20001)

Initial Displacement: 2.393 ft
Total Well Penetration Depth: 18.84 ft
Casing Radius: 0.083 ft
Static Water Column Height: 27.84 ft
Screen Length: 1. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.

## SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 0.03358 cm/sec y0 = 2.581 ft




## OW20001 RISING HEAD TEST

Data Set: X:\...\OW20001_RH3_KGS.aqt
Date: 01/07/25 Time: 14:51:25

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: OW20001
Test Date: 7/18/2024

## AQUIFER DATA

Saturated Thickness: 27.84 ft

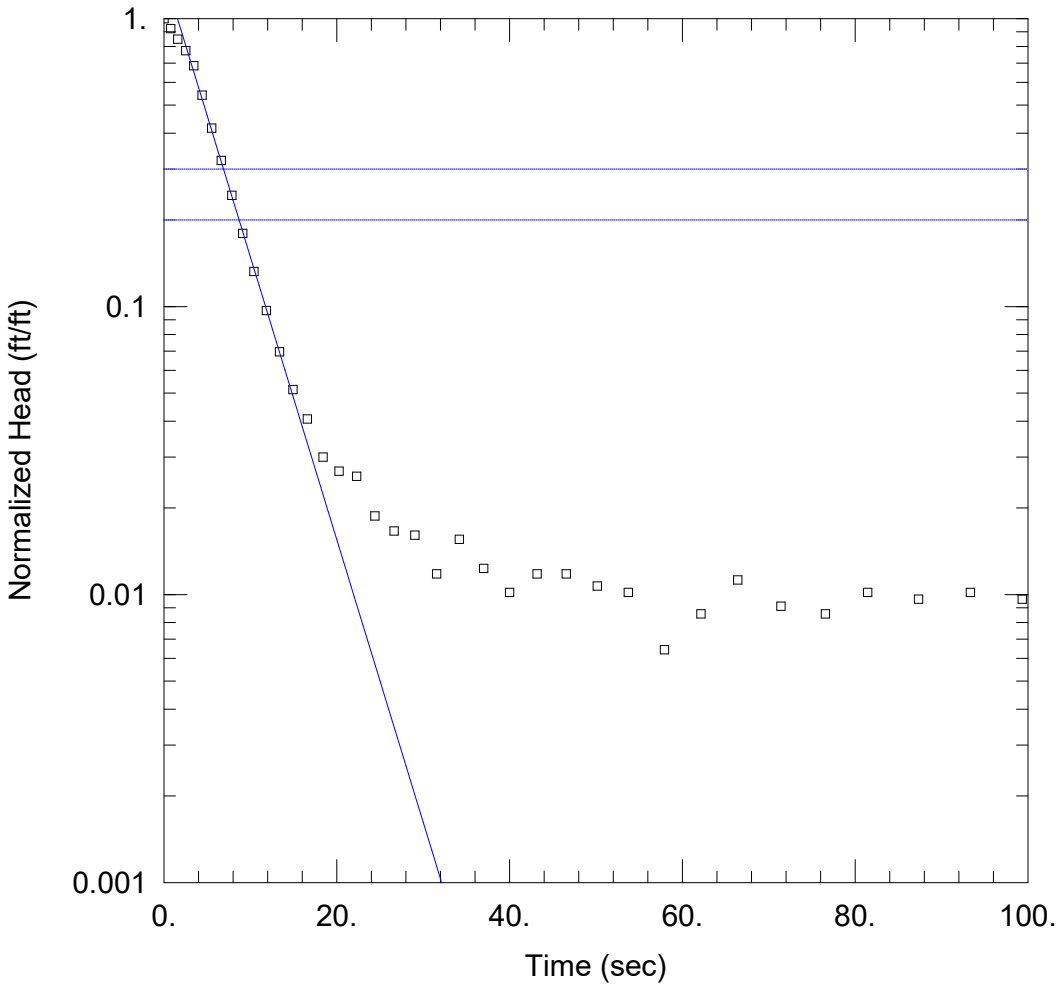
## WELL DATA (OW20001)

Initial Displacement: 2.393 ft
Total Well Penetration Depth: 18.84 ft
Casing Radius: 0.083 ft
Static Water Column Height: 27.84 ft
Screen Length: 1. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.03358 cm/sec
Kz/Kr = 0.17
Ss = 3.592E-5 $ft^{-1}$




## OW20003 FALLING HEAD TEST

Data Set: X:\...\OW20003_FH_BR.aqt
Date: 01/07/25 Time: 14:38:51

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: OW20003
Test Date: 5/30/2024

## AQUIFER DATA

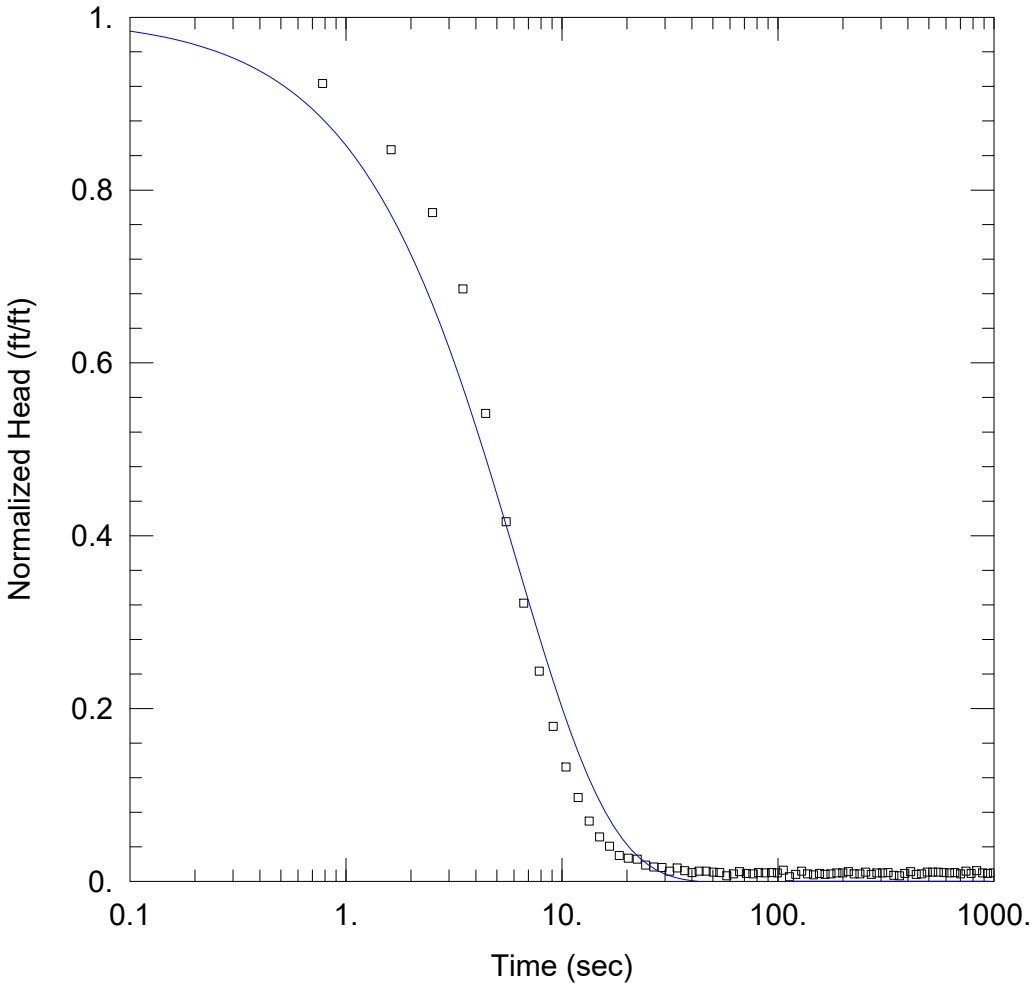
Saturated Thickness: 26.17 ft
Anisotropy Ratio (Kz/Kr): 0.17

## WELL DATA (OW20003)

Initial Displacement: 1.867 ft
Total Well Penetration Depth: 26.17 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 26.17 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.00986 cm/sec
y0 = 2.656 ft




## OW20003 FALLING HEAD TEST

Data Set: \...\OW20003_FH_KGS.aqt
Date: 03/13/25 Time: 16:48:57

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: OW20003
Test Date: 5/30/2024

## AQUIFER DATA

Saturated Thickness: 26.17 ft

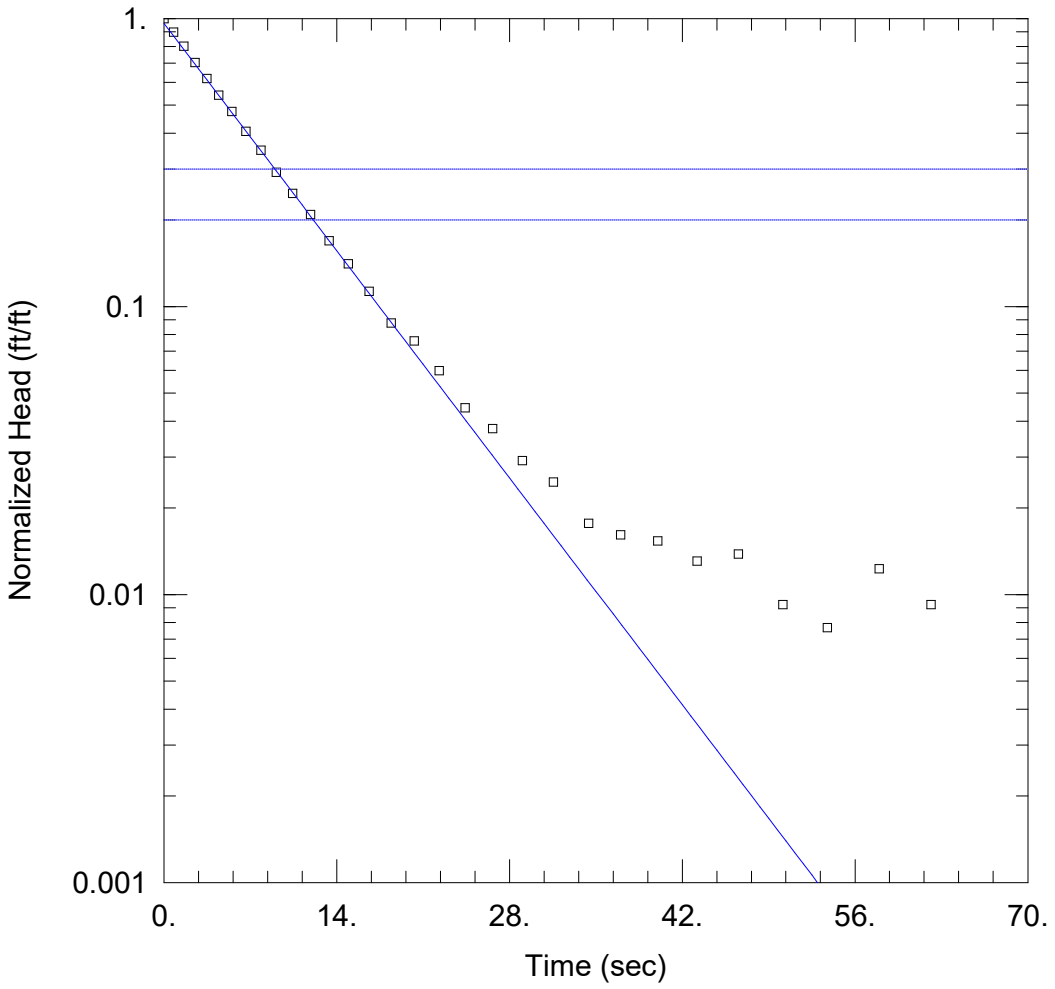
## WELL DATA (OW20003)

Initial Displacement: 1.867 ft
Total Well Penetration Depth: 26.17 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 26.17 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.007973 cm/sec
Kz/Kr = 0.17
Ss = 3.821E-12 $ft^{-1}$




## OW20003 RISING HEAD TEST 1

Data Set: X:\...\OW20003_RH_BR.aqt
Date: 01/07/25 Time: 14:49:02

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: OW20003
Test Date: 5/30/2024

## AQUIFER DATA

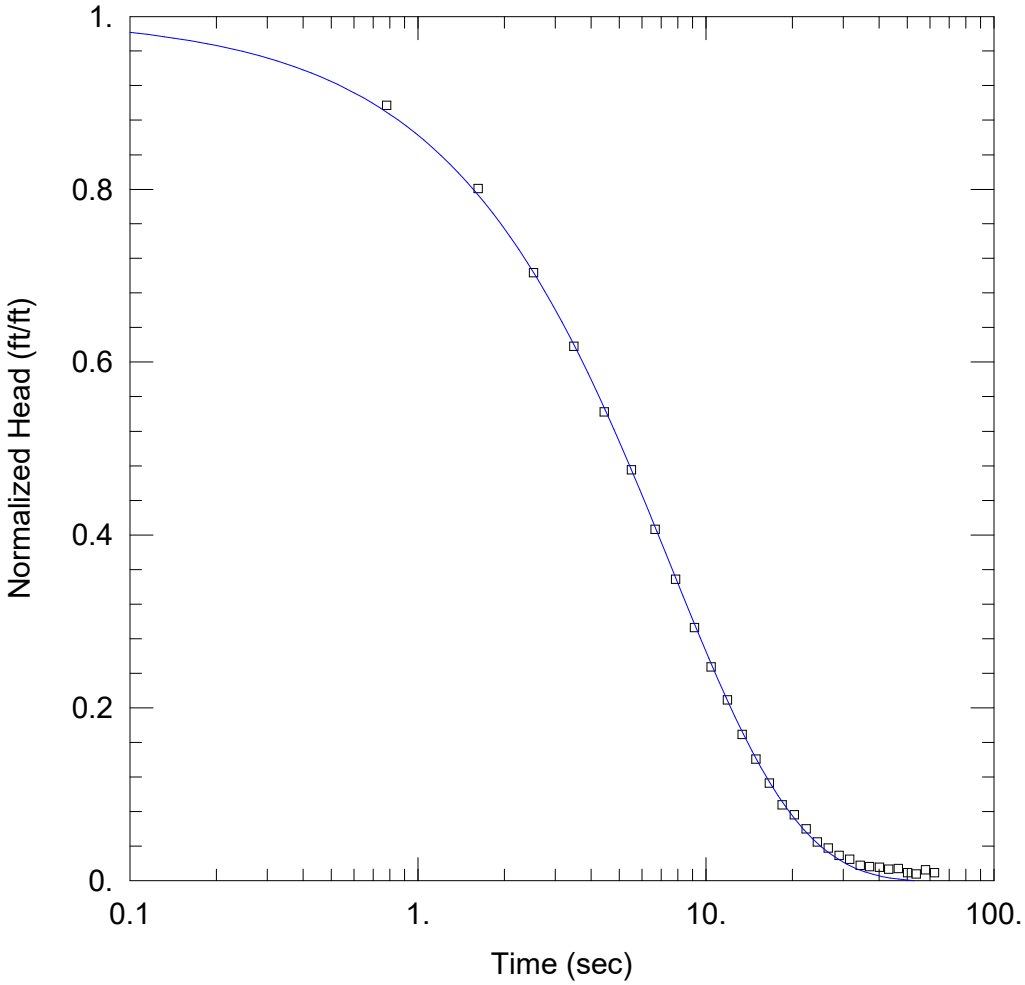
Saturated Thickness: 26.17 ft Anisotropy Ratio (Kz/Kr): 0.17

## WELL DATA (OW20003)

Initial Displacement: 1.302 ft Static Water Column Height: 26.17 ft
Total Well Penetration Depth: 26.17 ft Screen Length: 10. ft
Casing Radius: 0.0833 ft Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.005661 cm/sec y0 = 1.253 ft




## OW20003 RISING HEAD TEST 1

Data Set: X:\...\OW20003_RH_KGS.aqt
Date: 01/07/25 Time: 14:52:57

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: OW20003
Test Date: 5/30/2024

## AQUIFER DATA

Saturated Thickness: 26.17 ft

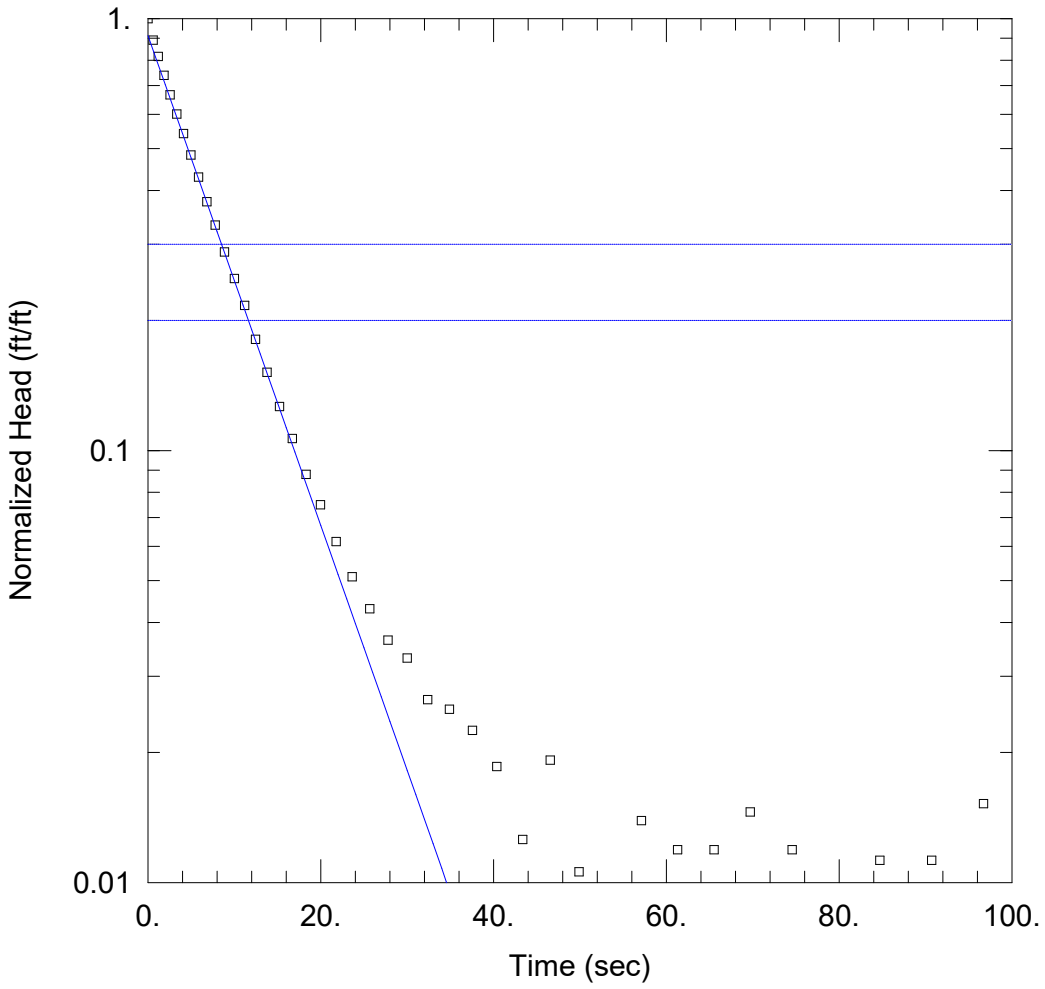
## WELL DATA (OW20003)

Initial Displacement: 1.302 ft
Total Well Penetration Depth: 26.17 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 26.17 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.006608 cm/sec
Kz/Kr = 0.17
Ss = 2.937E-7 $ft^{-1}$




## OW20003 RISING HEAD TEST 2

Data Set: X:\...\OW20003_RH2_BR.aqt
Date: 01/07/25 Time: 14:54:14

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: OW20003
Test Date: 5/30/2024

## AQUIFER DATA

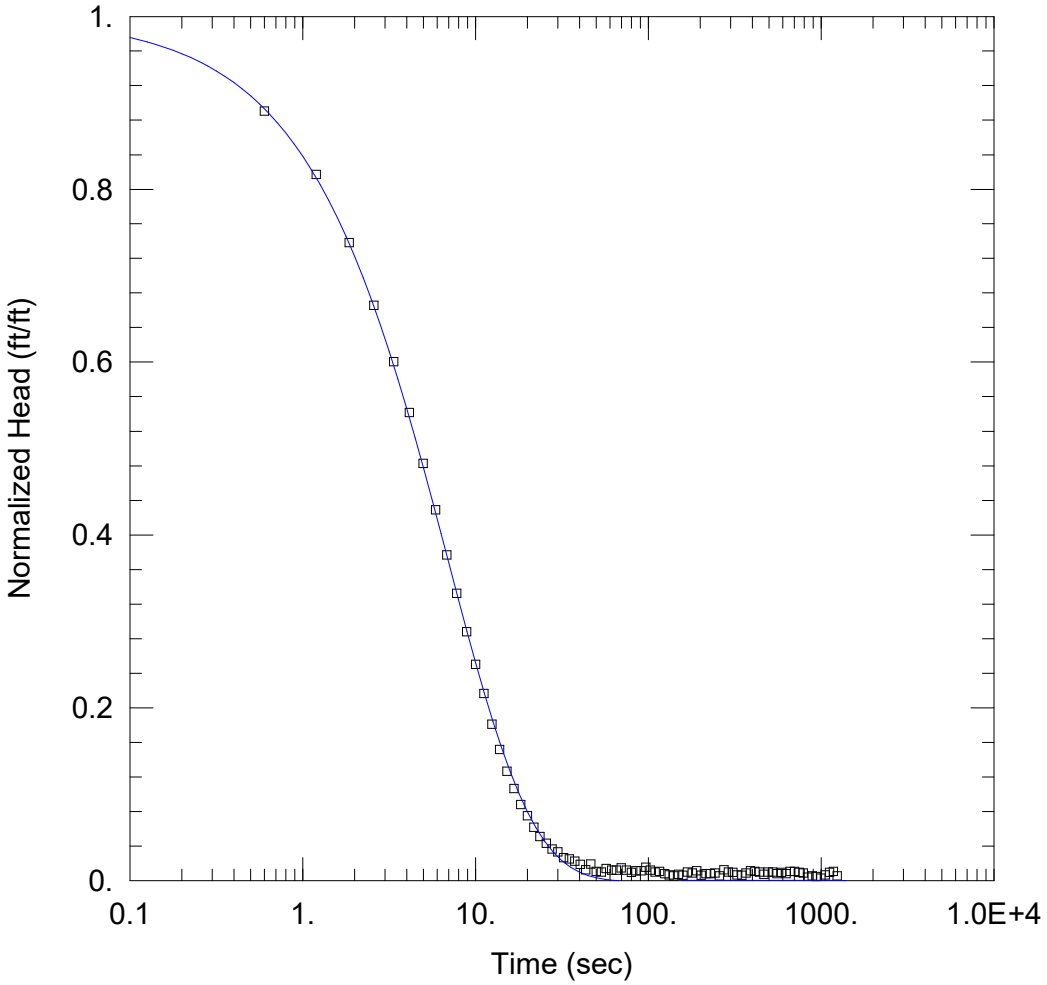
Saturated Thickness: 26.17 ft Anisotropy Ratio (Kz/Kr): 0.17

## WELL DATA (OW20003)

Initial Displacement: 1.51 ft
Total Well Penetration Depth: 26.17 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 26.17 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.005695 cm/sec
y0 = 1.377 ft




## OW20003 RISING HEAD TEST 2

Data Set: X:\...\OW20003_RH2_KGS.aqt
Date: 01/07/25 Time: 14:55:21

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: OW20003
Test Date: 5/30/2024

## AQUIFER DATA

Saturated Thickness: 26.17 ft

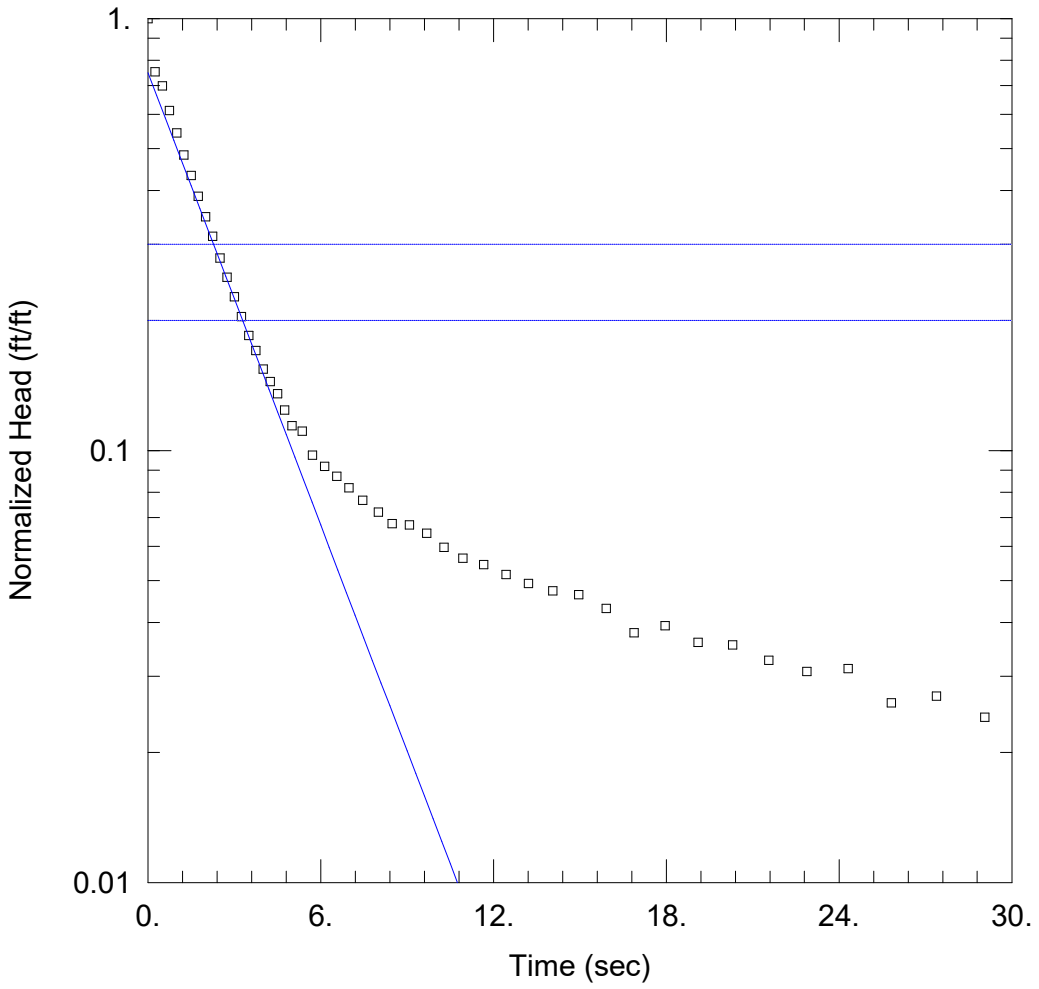
## WELL DATA (OW20003)

Initial Displacement: 1.51 ft
Total Well Penetration Depth: 26.17 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 26.17 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.006697 cm/sec
Kz/Kr = 0.17
Ss = 1.907E-6 $ft^{-1}$




## OW20005 RISING HEAD TEST

Data Set: X:\...\OW20005_RH_BR.aqt
Date: 01/07/25 Time: 15:01:27

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: OW20005
Test Date: 10/15/2024

## AQUIFER DATA

Saturated Thickness: 16.7 ft Anisotropy Ratio (Kz/Kr): 0.17

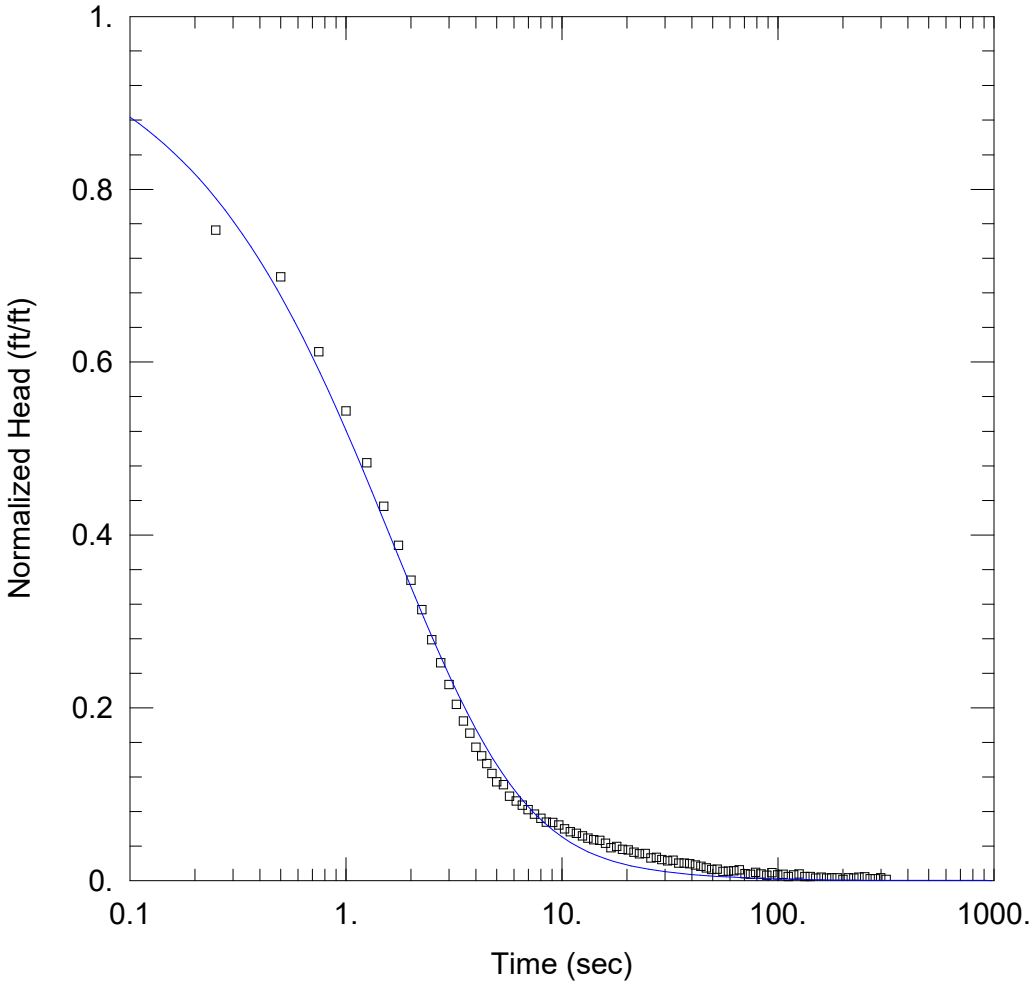
## WELL DATA (OW20005)

Initial Displacement: 2.112 ft
Total Well Penetration Depth: 16.7 ft
Casing Radius: 0.083 ft
Static Water Column Height: 16.7 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

K = 0.01623 cm/sec
y0 = 1.581 ft




## OW20005 RISING HEAD TEST

Data Set: X:\...\OW20005_RH_KGS.aqt
Date: 01/07/25 Time: 15:02:59

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: OW20005
Test Date: 10/15/2024

## AQUIFER DATA

Saturated Thickness: 16.7 ft

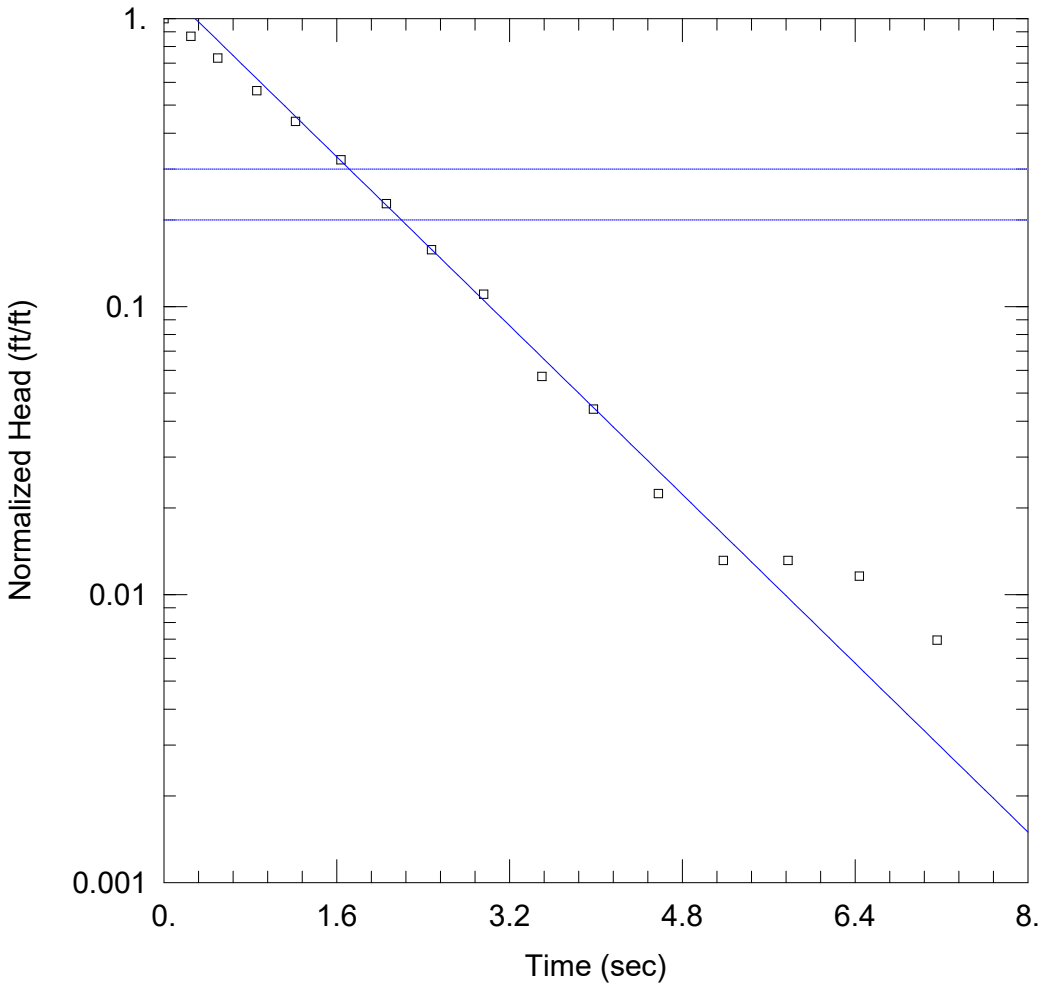
## WELL DATA (OW20005 )

Initial Displacement: 2.112 ft
Total Well Penetration Depth: 16.7 ft
Casing Radius: 0.083 ft
Static Water Column Height: 16.7 ft
Screen Length: 10. ft
Well Radius: 0.25 ft

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.01555 cm/sec
Kz/Kr = 0.17
Ss = 0.0001318 $ft^{-1}$




SB/OW12001 RISING HEAD TEST 1

Data Set: \...\SBOW12001_RH_BR.aqt
Date: 03/17/25 Time: 15:43:03

PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: SB/OW12001
Test Date: 10/16/2024

AQUIFER DATA

Saturated Thickness: 4.87 ft Anisotropy Ratio (Kz/Kr): 0.17

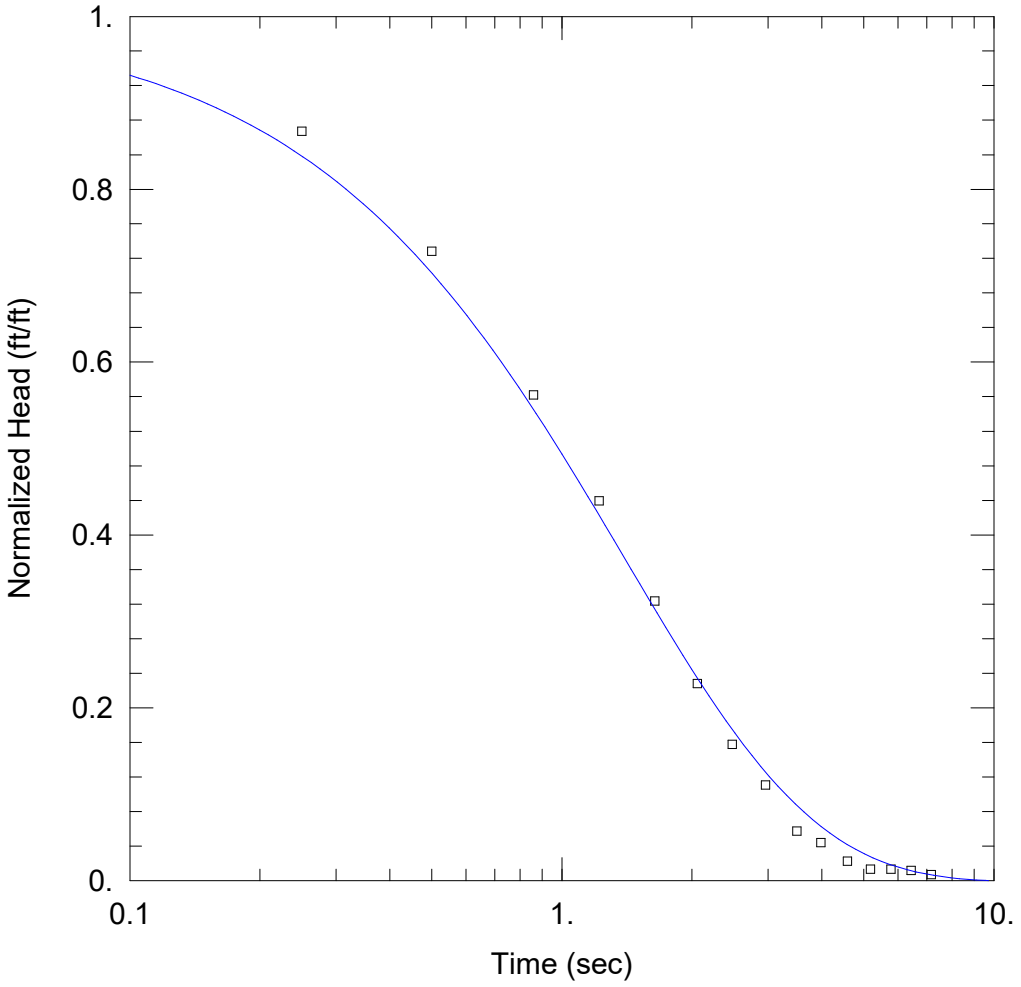
WELL DATA (SB/OW12001)

Initial Displacement: 1.295 ft
Total Well Penetration Depth: 4.87 ft
Casing Radius: 0.083 ft
Static Water Column Height: 4.87 ft
Screen Length: 4.87 ft
Well Radius: 0.18 ft
Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 0.09528 cm/sec y0 = 1.652 ft




## SB/OW12001 RISING HEAD TEST 1

Data Set: \...\SBOW12001_RH_KGS.aqt
Date: 03/17/25 Time: 15:44:11

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: SB/OW12001
Test Date: 10/16/2024

## AQUIFER DATA

Saturated Thickness: 4.87 ft

## WELL DATA (SB/OW12001)

Initial Displacement: 1.295 ft
Total Well Penetration Depth: 4.87 ft
Casing Radius: 0.083 ft

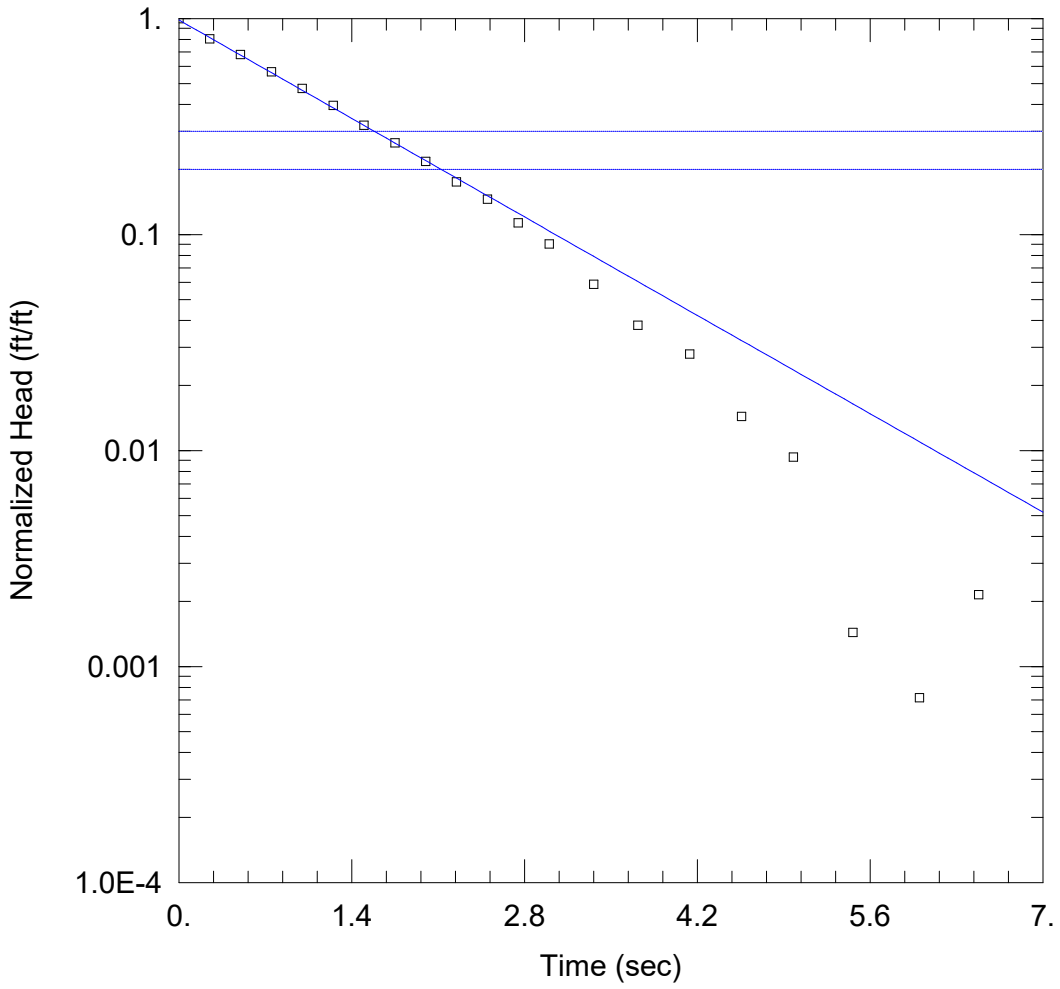
Static Water Column Height: 4.87 ft
Screen Length: 4.87 ft
Well Radius: 0.18 ft
Gravel Pack Porosity: 0.3

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.05381 cm/sec
Kz/Kr = 0.17

Ss = 2.053E-11 $ft^{-1}$




## SB/OW12001 RISING HEAD TEST 2

Data Set: \...\SBOW12001_RH2_BR.aqt
Date: 03/17/25 Time: 15:45:15

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: SB/OW12001
Test Date: 10/16/2024

## AQUIFER DATA

Saturated Thickness: 4.87 ft Anisotropy Ratio (Kz/Kr): 0.17

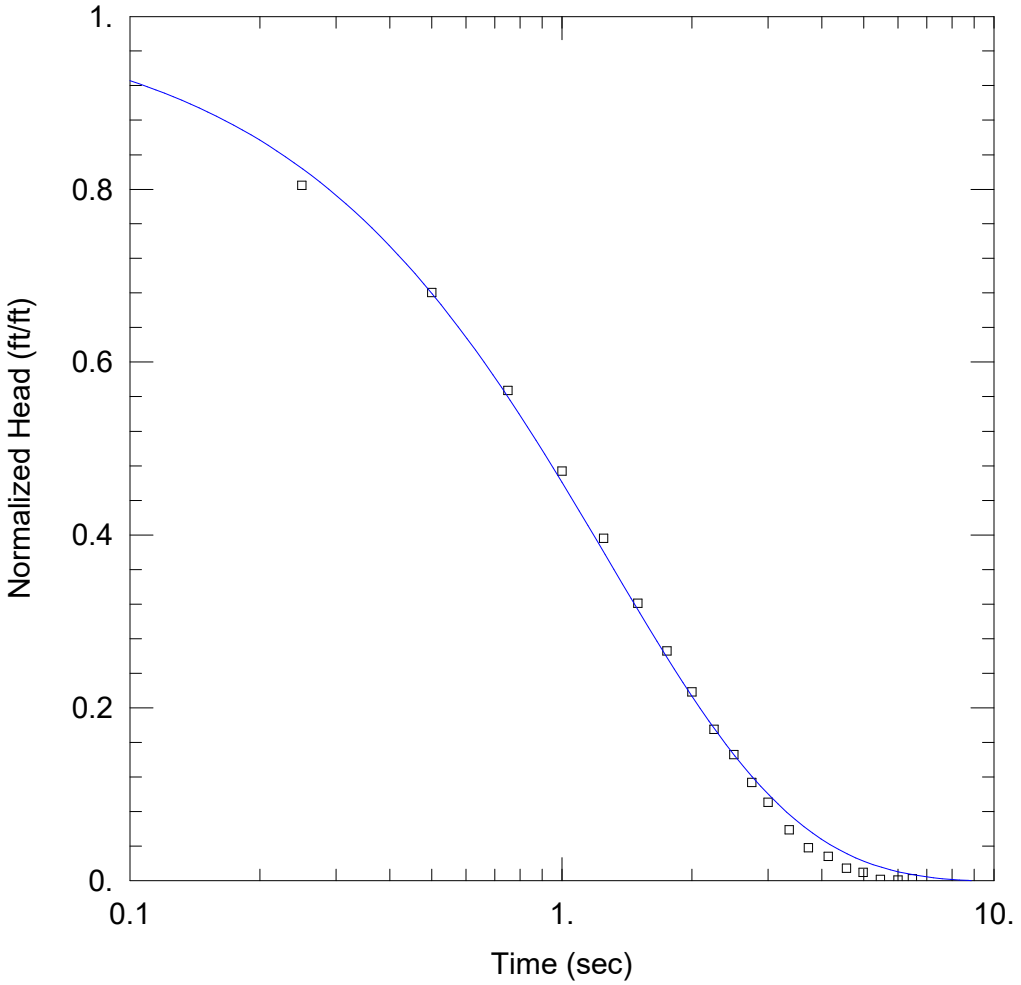
## WELL DATA (SB/OW12001)

Initial Displacement: 1.393 ft
Total Well Penetration Depth: 4.87 ft
Casing Radius: 0.083 ft
Static Water Column Height: 4.87 ft
Screen Length: 4.87 ft
Well Radius: 0.18 ft
Gravel Pack Porosity: 0.3

## SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 0.08464 cm/sec y0 = 1.37 ft




SB/OW12001 RISING HEAD TEST 2

Data Set: \...\SBOW12001_RH2_KGS.aqt
Date: 03/17/25 Time: 15:46:02

PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: SB/OW12001
Test Date: 10/16/2024

AQUIFER DATA

Saturated Thickness: 4.87 ft

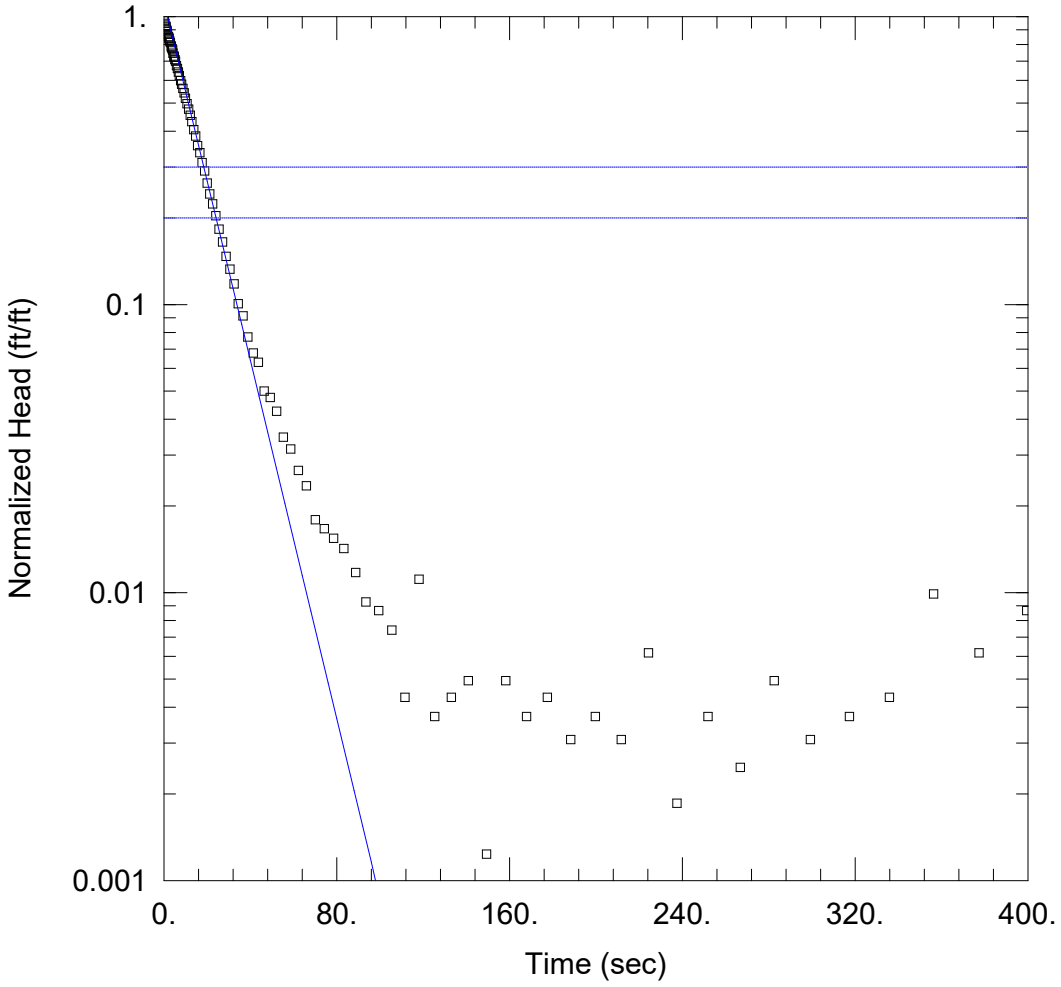
WELL DATA (SB/OW12001)

Initial Displacement: 1.393 ft
Total Well Penetration Depth: 4.87 ft
Casing Radius: 0.083 ft
Static Water Column Height: 4.87 ft
Screen Length: 4.87 ft
Well Radius: 0.18 ft
Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.059 cm/sec
Kz/Kr = 0.17
Ss = 2.053E-11 $ft^{-1}$




## SB/OW16001 RISING HEAD TEST 1

Data Set: X:\...\OW16001_RH_BR.aqt
Date: 01/07/25 Time: 14:27:49

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: SB/OW16001
Test Date: 10/17/2024

## AQUIFER DATA

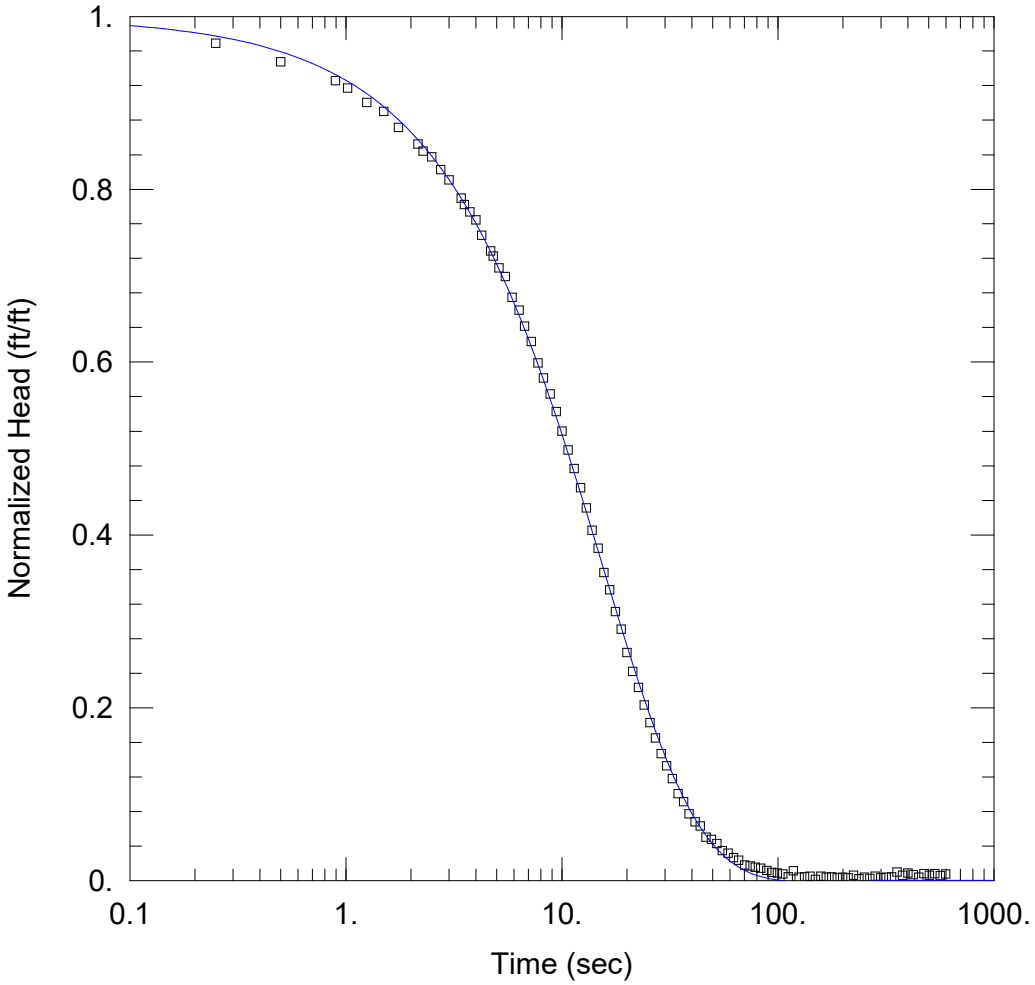
Saturated Thickness: 5.42 ft
Anisotropy Ratio (Kz/Kr): 0.17

## WELL DATA (SB/OW16001)

Initial Displacement: 1.619 ft
Total Well Penetration Depth: 5.42 ft
Casing Radius: 0.083 ft
Static Water Column Height: 5.42 ft
Screen Length: 5.42 ft
Well Radius: 0.18 ft
Gravel Pack Porosity: 0.3

## SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.00754 cm/sec
y0 = 1.82 ft




## SB/OW16001 RISING HEAD TEST 1

Data Set: X:\...\OW16001_RH_KGS.aqt
Date: 01/07/25 Time: 14:29:18

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: SB/OW16001
Test Date: 10/17/2024

## AQUIFER DATA

Saturated Thickness: 5.42 ft

## WELL DATA (SB/OW16001)

Initial Displacement: 1.619 ft
Total Well Penetration Depth: 5.42 ft
Casing Radius: 0.083 ft

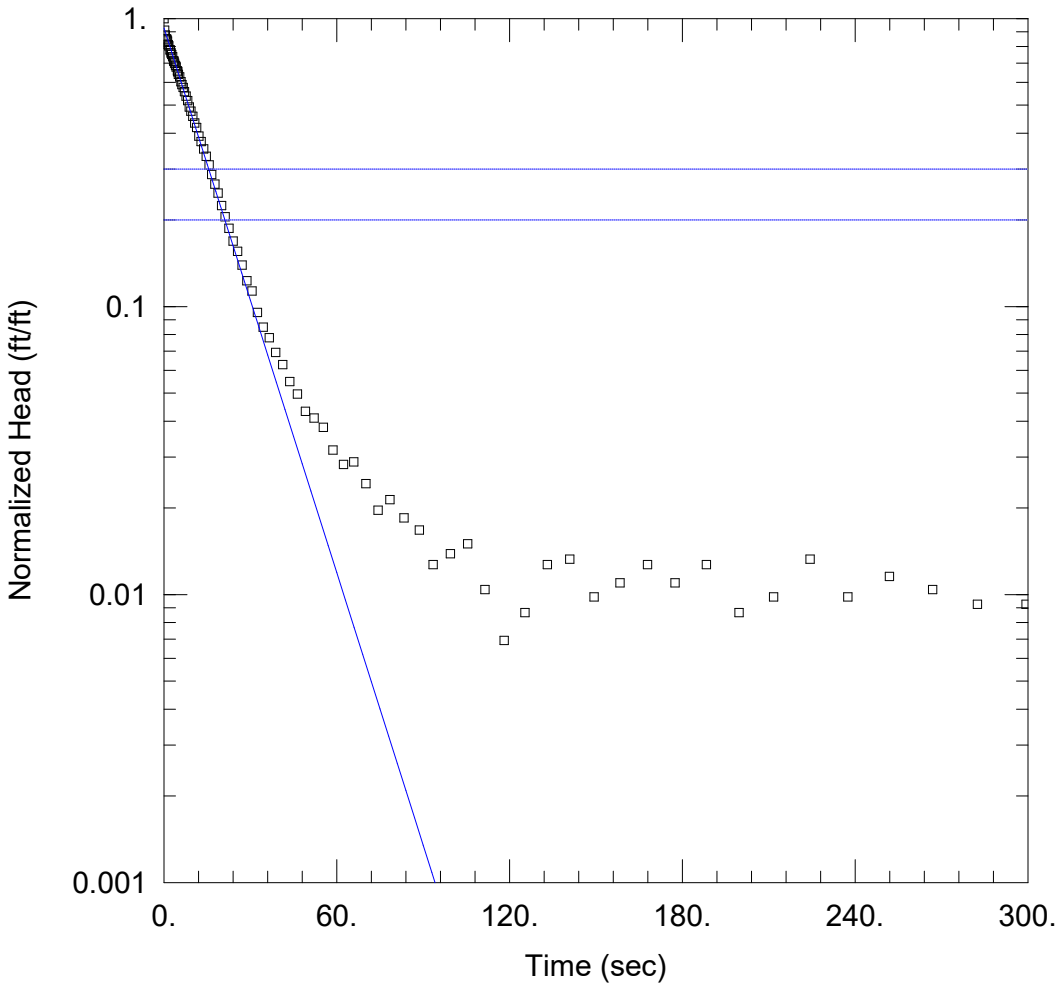
Static Water Column Height: 5.42 ft
Screen Length: 5.42 ft
Well Radius: 0.18 ft
Gravel Pack Porosity: 0.3

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.00461 cm/sec
Kz/Kr = 0.17

Ss = 4.743E-6 $ft^{-1}$




## SB/OW16001 RISING HEAD TEST 2

Data Set: X:\...\OW16001_RH2_BR.aqt
Date: 01/07/25 Time: 14:31:48

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: SB/OW16001
Test Date: 10/17/2024

## AQUIFER DATA

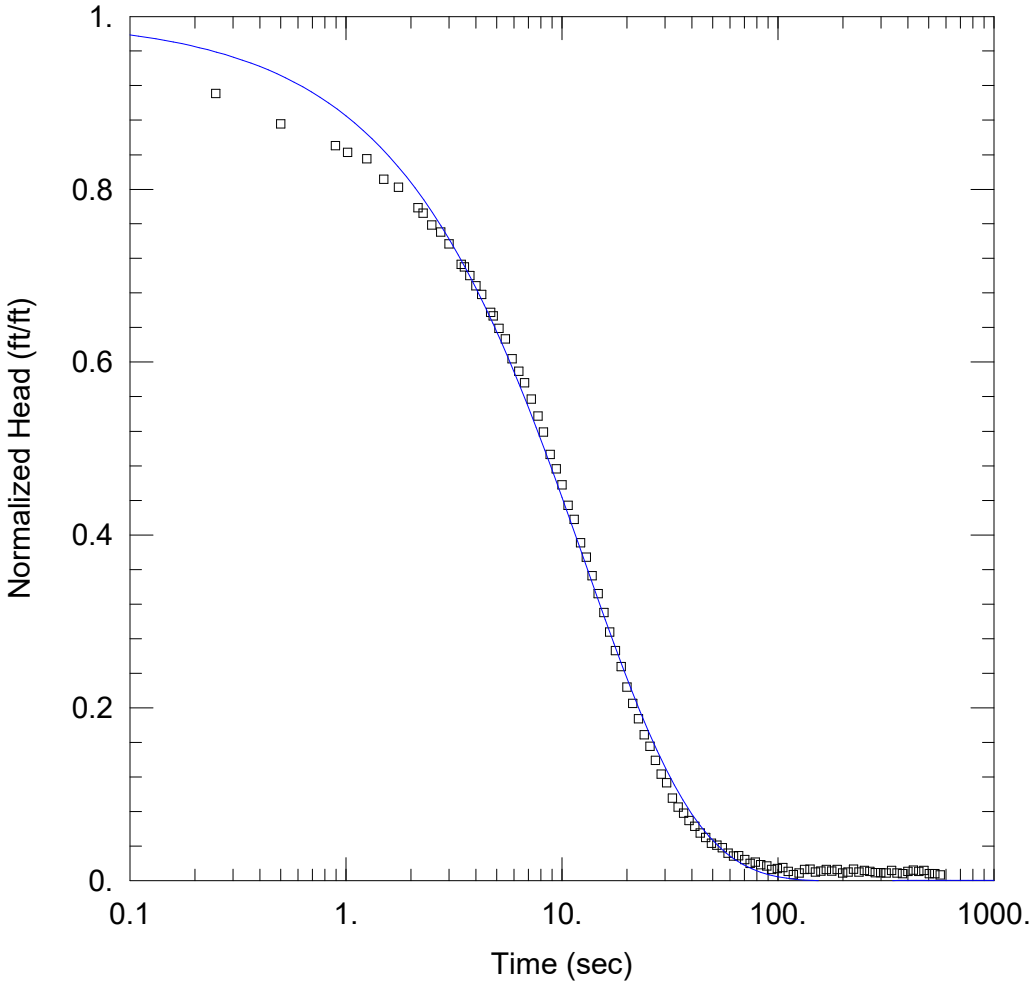
Saturated Thickness: 5.42 ft
Anisotropy Ratio (Kz/Kr): 0.17

## WELL DATA (SB/OW16001)

Initial Displacement: 1.732 ft
Total Well Penetration Depth: 5.42 ft
Casing Radius: 0.083 ft
Static Water Column Height: 5.42 ft
Screen Length: 5.42 ft
Well Radius: 0.18 ft
Gravel Pack Porosity: 0.3

## SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.007638 cm/sec
y0 = 1.605 ft




## SB/OW16001 RISING HEAD TEST 2

Data Set: X:\...\OW16001_RH2_KGS.aqt
Date: 01/07/25 Time: 14:33:41

## PROJECT INFORMATION

Company: WSP (USA) E&E
Client: AFCEC
Project: 775361701
Location: Loring AFB
Test Well: SB/OW16001
Test Date: 10/17/2024

## AQUIFER DATA

Saturated Thickness: 5.42 ft

## WELL DATA (SB/OW16001)

Initial Displacement: 1.732 ft
Total Well Penetration Depth: 5.42 ft
Casing Radius: 0.083 ft

Static Water Column Height: 5.42 ft
Screen Length: 5.42 ft
Well Radius: 0.18 ft
Gravel Pack Porosity: 0.3

## SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.004981 cm/sec
Kz/Kr = 0.17

Ss = 7.379E-5 $ft^{-1}$