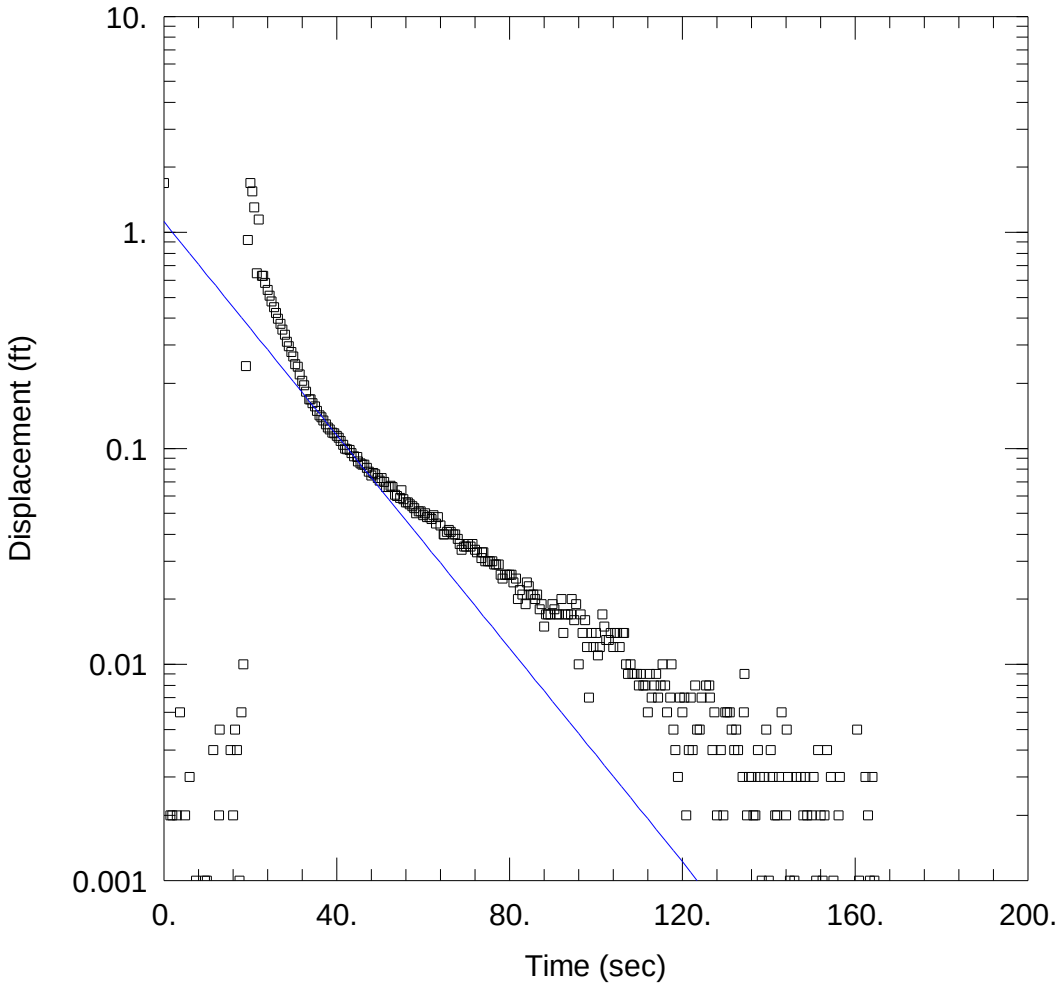
An Exelon Company

Appendix R

RI/FS Aquifer Testing Results



WELL TEST ANALYSIS

Data Set: P:\...\MW1A-1SI.aqt
Date: 01/05/15 Time: 14:27:46

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 1A-1SI
Test Date: 12/4/2014

AQUIFER DATA

Saturated Thickness: 23.77 ft Anisotropy Ratio (Kz/Kr): 1.

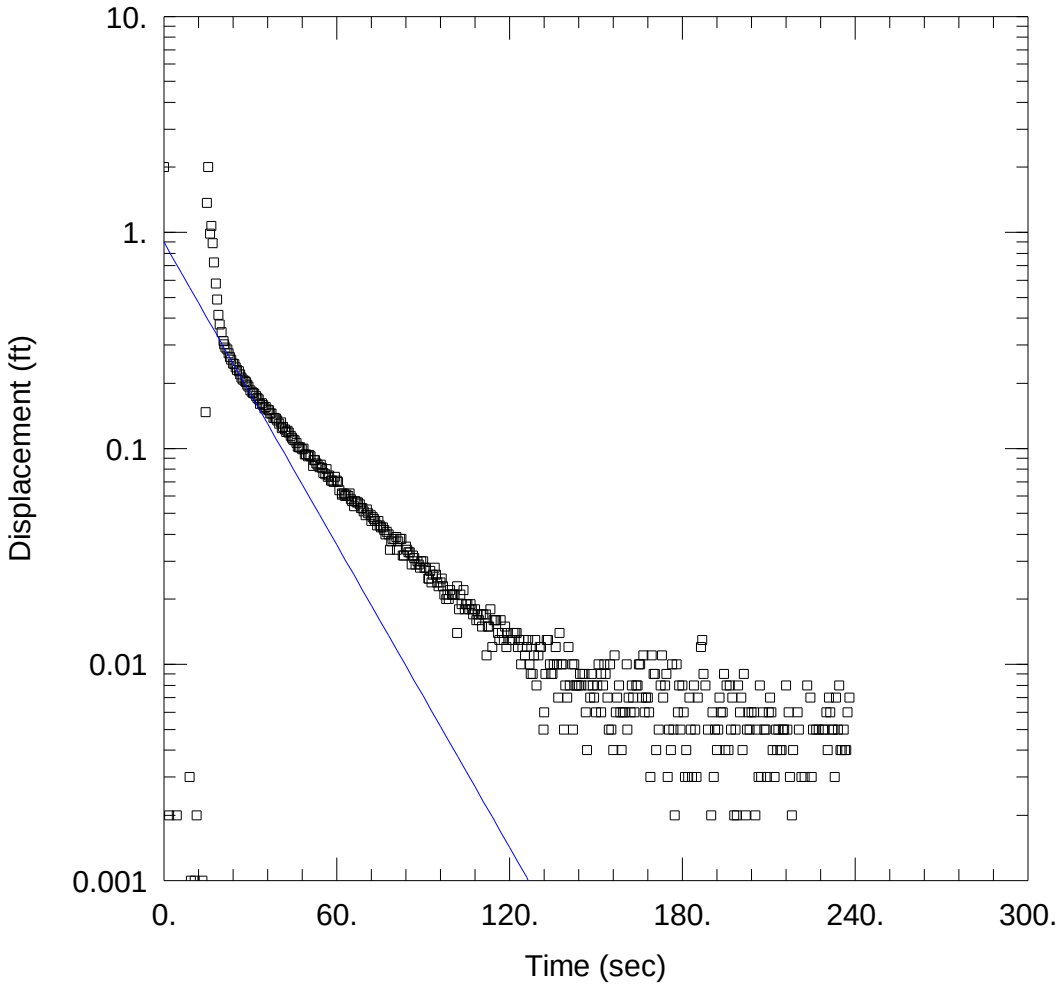
WELL DATA (MW-1A)

Initial Displacement: 1.689 ft
Total Well Penetration Depth: 25. ft
Casing Radius: 0.833 ft
Static Water Column Height: 23.77 ft
Screen Length: 25. ft
Well Radius: 0.333 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 0.002745 ft/sec y0 = 1.12 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW1A-1SO.aqt
Date: 01/05/15 Time: 14:30:11

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 1A-1SO
Test Date: 12/4/2014

AQUIFER DATA

Saturated Thickness: 23.77 ft Anisotropy Ratio (Kz/Kr): 1.

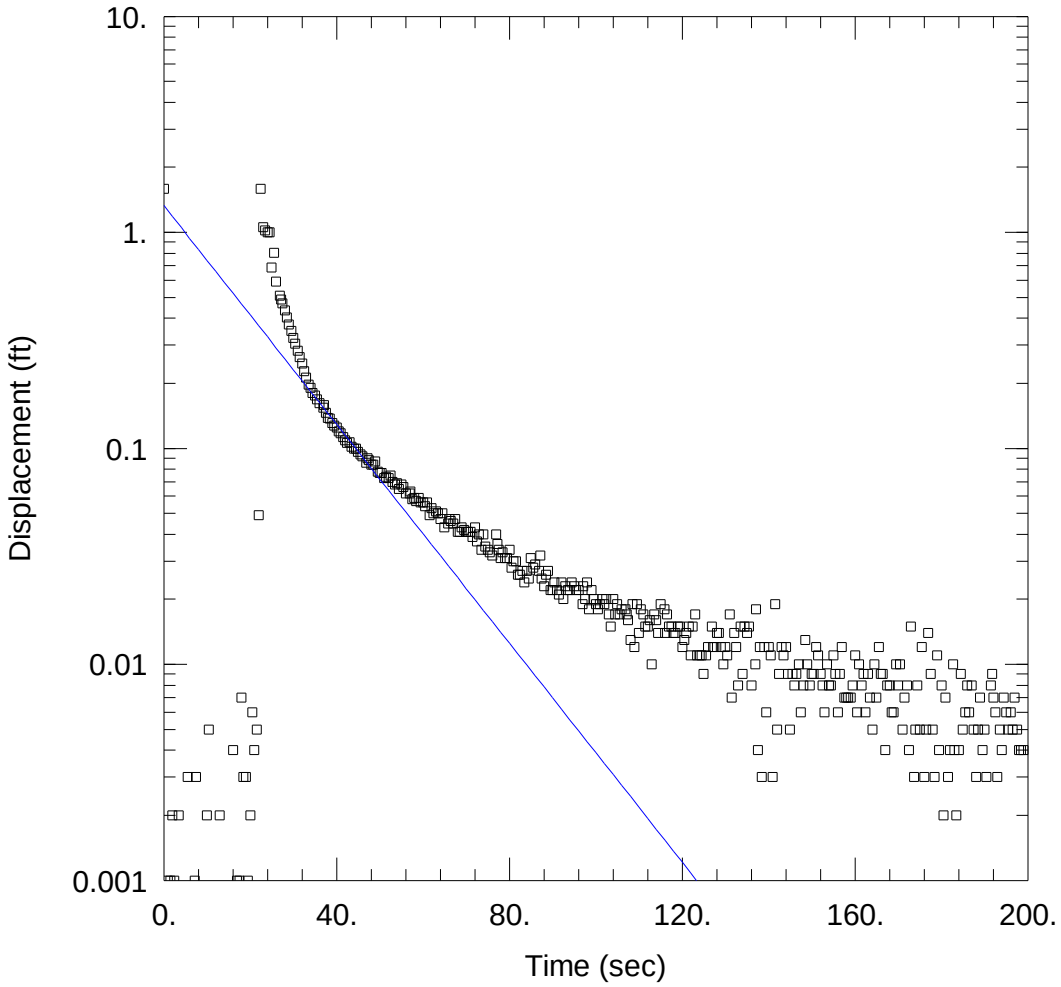
WELL DATA (MW-1A)

Initial Displacement: 2.007 ft
Total Well Penetration Depth: 25. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 23.77 ft
Screen Length: 25. ft
Well Radius: 0.333 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 2.596E-5 ft/sec y0 = 0.8998 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW1A-2SI.aqt
Date: 01/05/15 Time: 14:46:01

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 1A-2SI
Test Date: 12/4/2014

AQUIFER DATA

Saturated Thickness: 23.77 ft Anisotropy Ratio (Kz/Kr): 1.

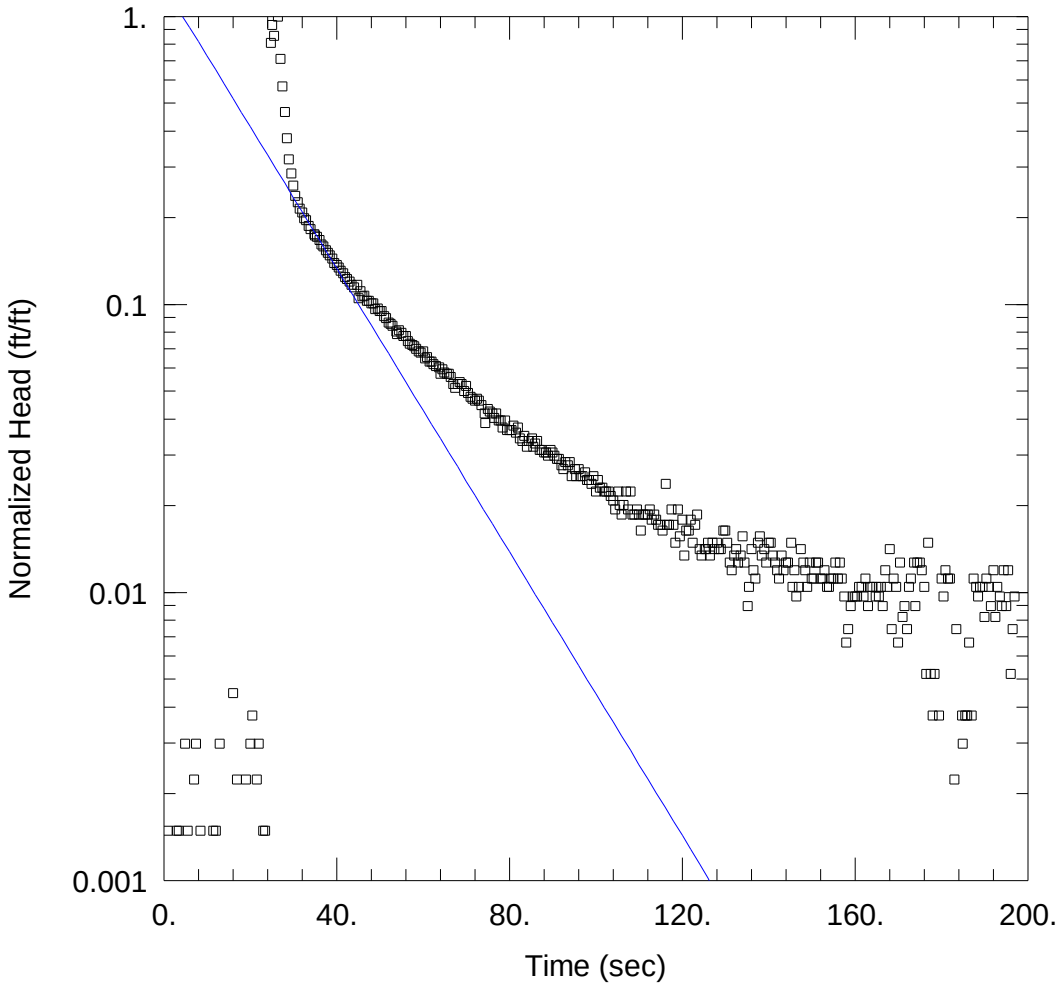
WELL DATA (MW-1A)

Initial Displacement: 1.588 ft
Total Well Penetration Depth: 25. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 23.77 ft
Screen Length: 25. ft
Well Radius: 0.333 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 2.817E-5 ft/sec y0 = 1.329 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW1A-2SO.aqt
Date: 01/05/15 Time: 14:46:48

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 1A-2SO
Test Date: 12/4/2014

AQUIFER DATA

Saturated Thickness: 23.77 ft Anisotropy Ratio (Kz/Kr): 1.

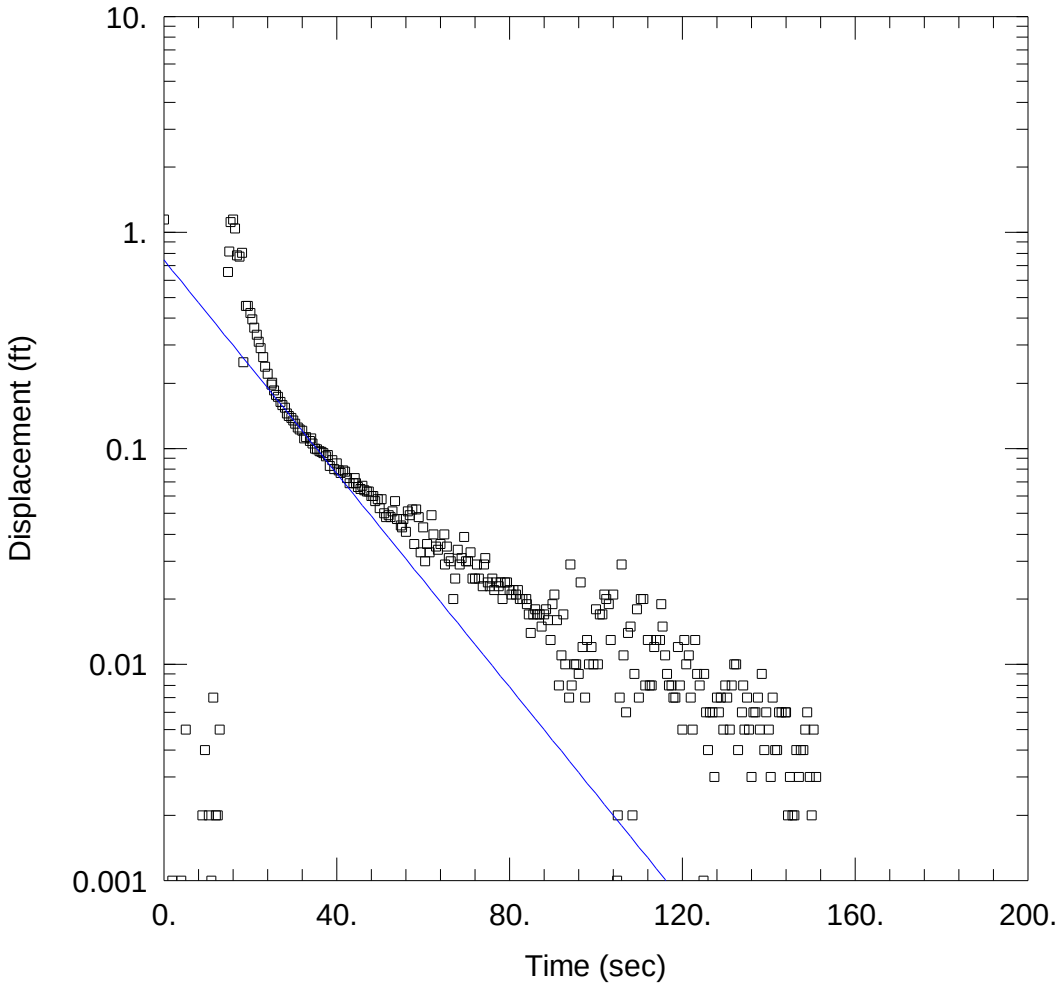
WELL DATA (MW-1A)

Initial Displacement: -1.342 ft
Total Well Penetration Depth: 25. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 23.77 ft
Screen Length: 25. ft
Well Radius: 0.333 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 2.737E-5 ft/sec y0 = -1.725 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW1A-3SI.aqt
Date: 01/05/15 Time: 14:47:40

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 1A-3SI
Test Date: 12/4/2014

AQUIFER DATA

Saturated Thickness: 23.77 ft Anisotropy Ratio (Kz/Kr): 1.

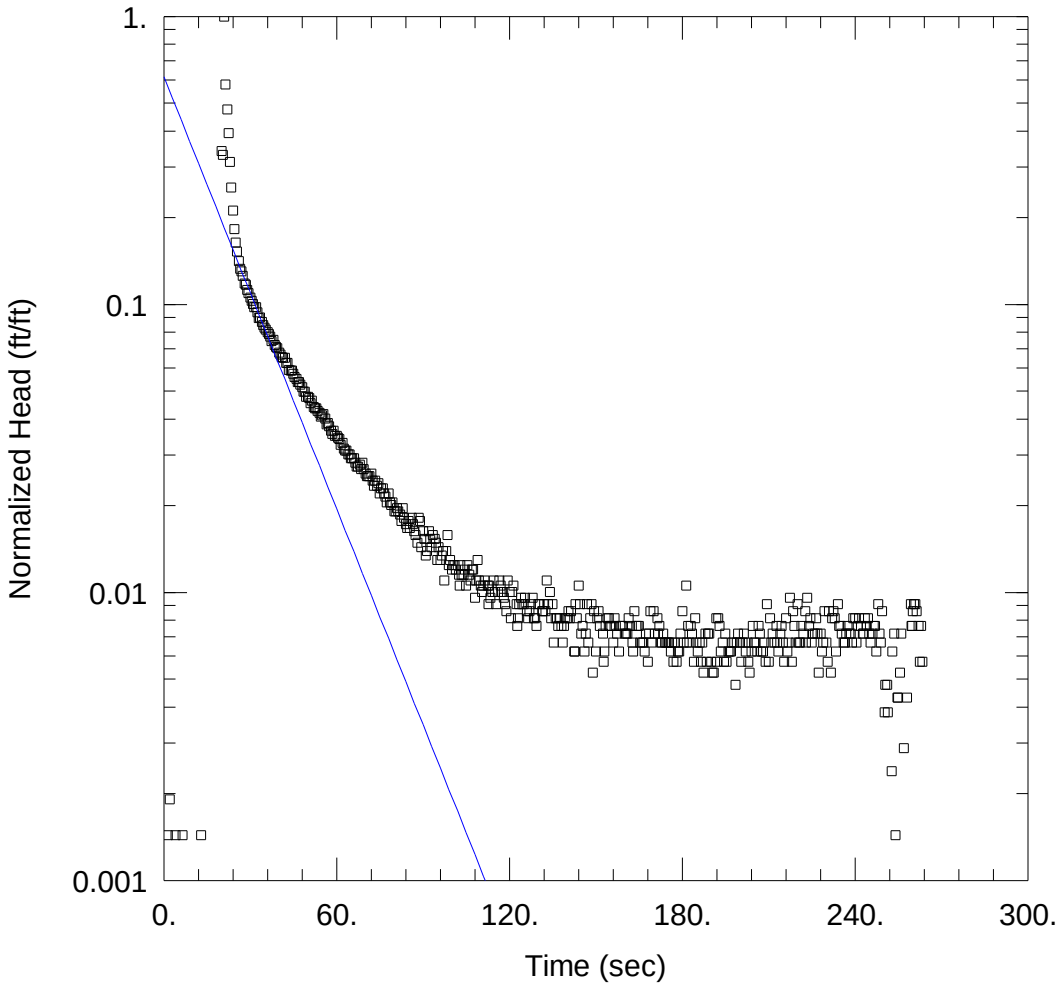
WELL DATA (MW-1A)

Initial Displacement: 1.144 ft
Total Well Penetration Depth: 25. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 23.77 ft
Screen Length: 25. ft
Well Radius: 0.333 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 2.75E-5 ft/sec y0 = 0.7467 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW1A-3SO.aqt
Date: 01/05/15 Time: 14:48:17

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 1A-3SO
Test Date: 12/4/2014

AQUIFER DATA

Saturated Thickness: 23.77 ft Anisotropy Ratio (Kz/Kr): 1.

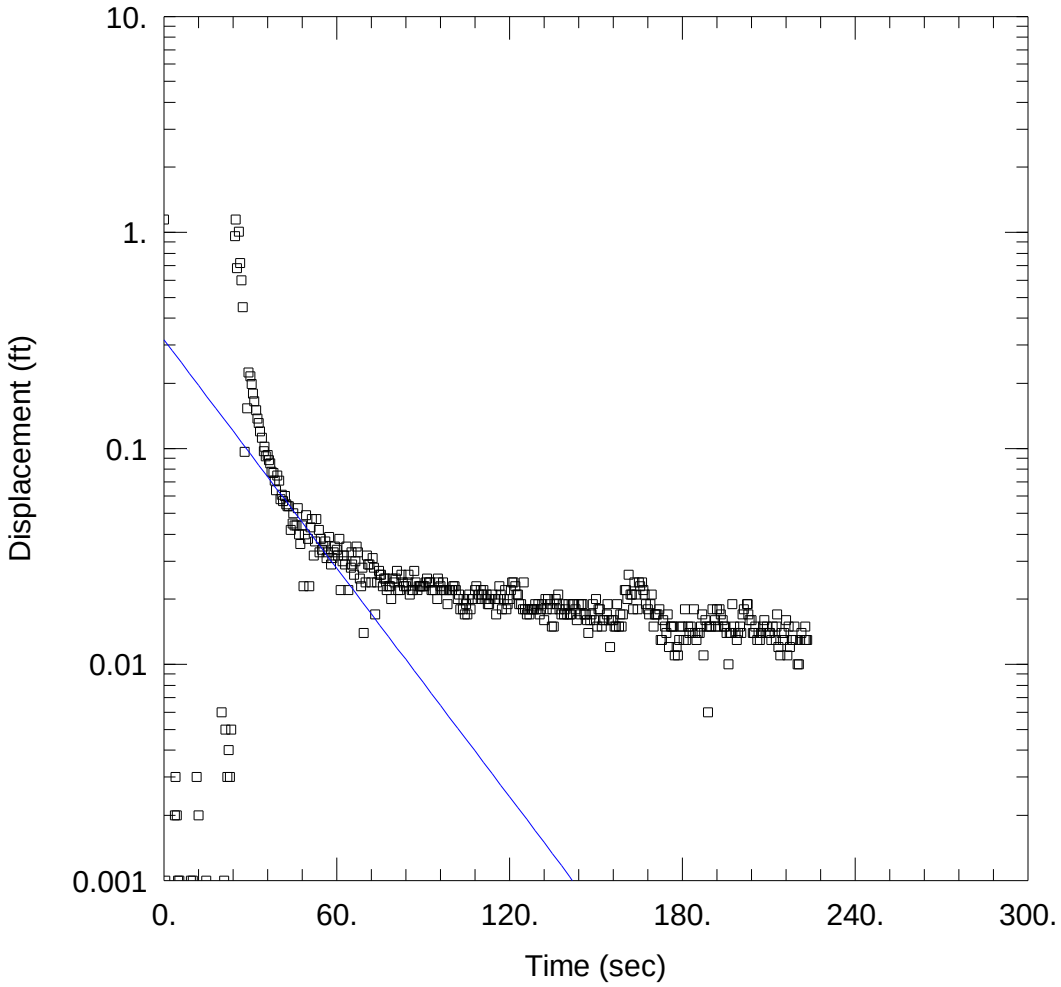
WELL DATA (MW-1A)

Initial Displacement: -2.09 ft
Total Well Penetration Depth: 25. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 23.77 ft
Screen Length: 25. ft
Well Radius: 0.333 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 2.781E-5 ft/sec y0 = -1.291 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW1B-1SI.aqt
Date: 01/05/15 Time: 14:50:10

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 1B-1SI
Test Date: 12/4/2014

AQUIFER DATA

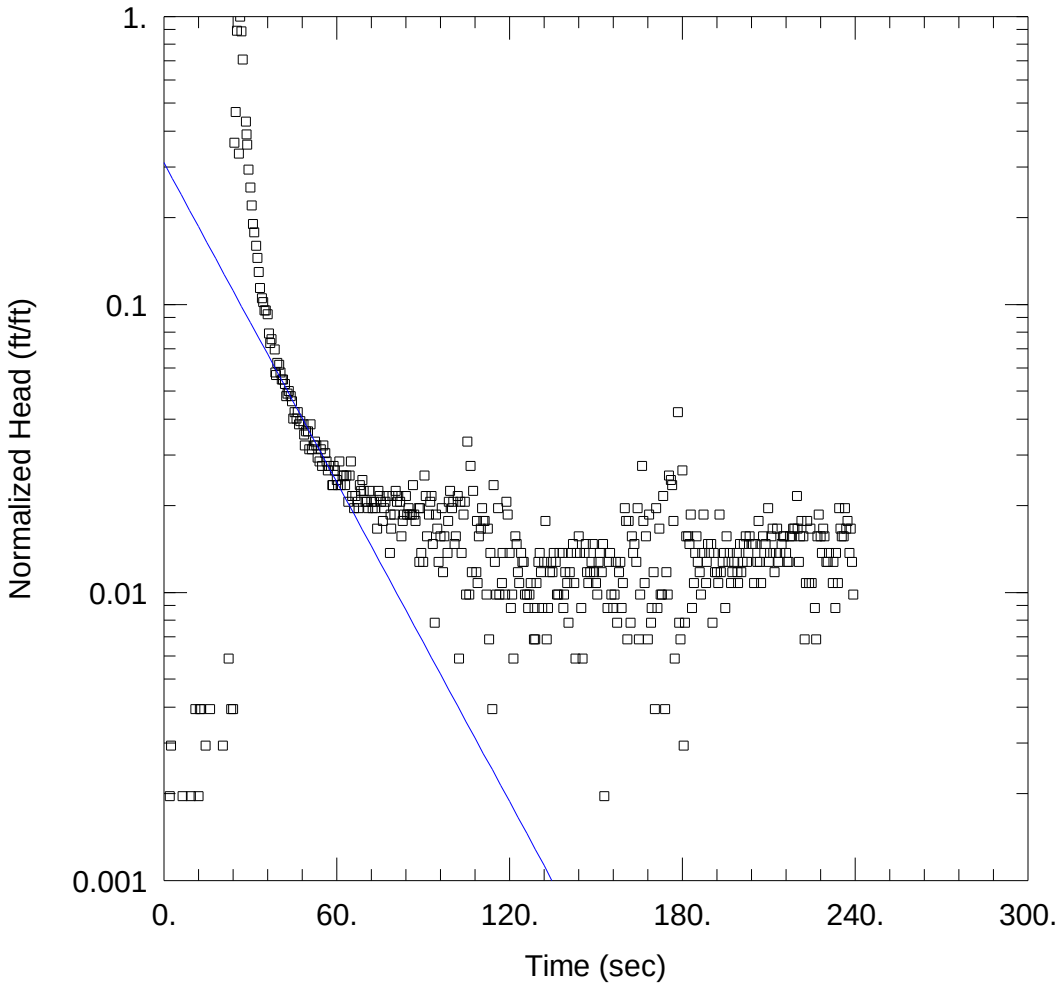
Saturated Thickness: 13. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-1B)

Initial Displacement: 1.146 ft
Total Well Penetration Depth: 41. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 41. ft
Screen Length: 10. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 5.158E-5 ft/sec
y0 = 0.3189 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW1B-1SO.aqt
Date: 01/05/15 Time: 14:50:48

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 1B-1SO
Test Date: 12/4/2014

AQUIFER DATA

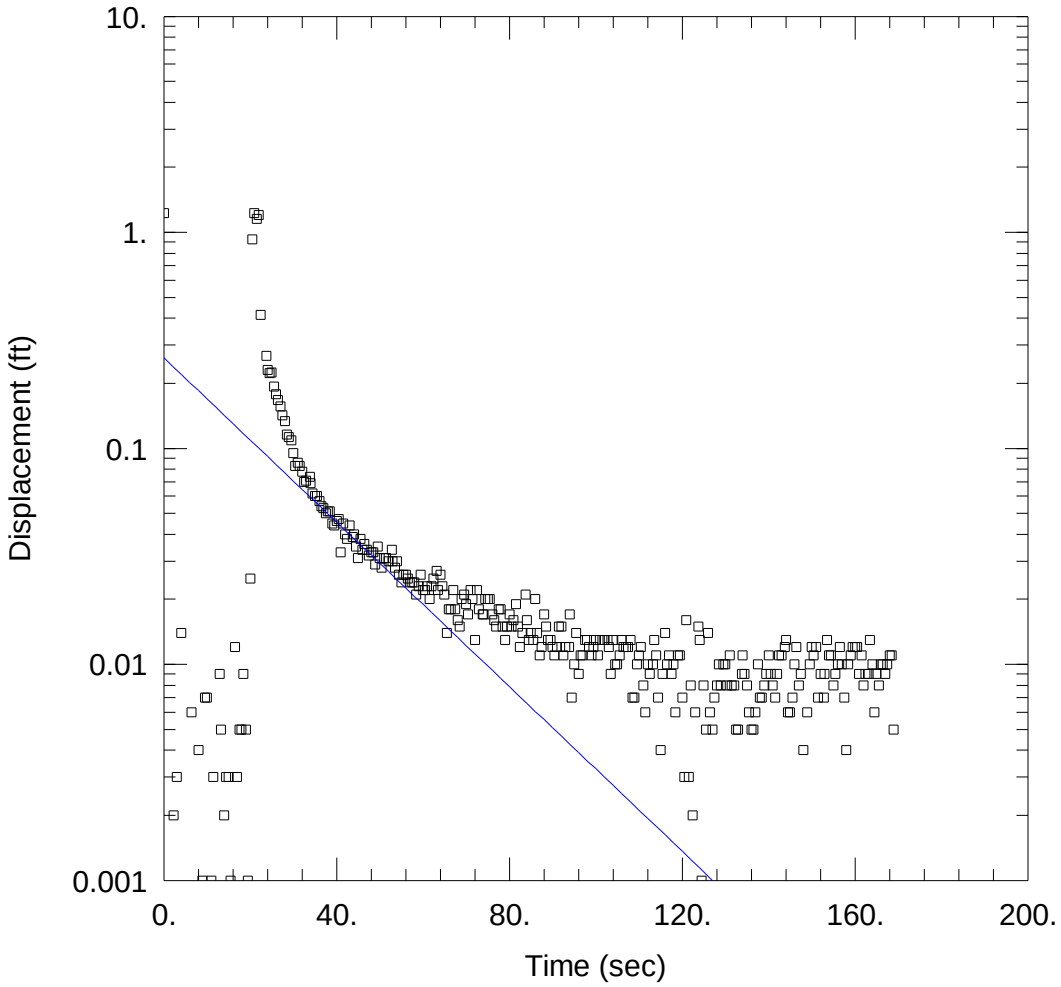
Saturated Thickness: 13. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-1B)

Initial Displacement: -1.02 ft
Total Well Penetration Depth: 41. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 41. ft
Screen Length: 10. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 5.409E-5 ft/sec
y0 = -0.317 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW1B-2SI.aqt
Date: 01/05/15 Time: 14:51:13

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 1B-2SI
Test Date: 12/4/2014

AQUIFER DATA

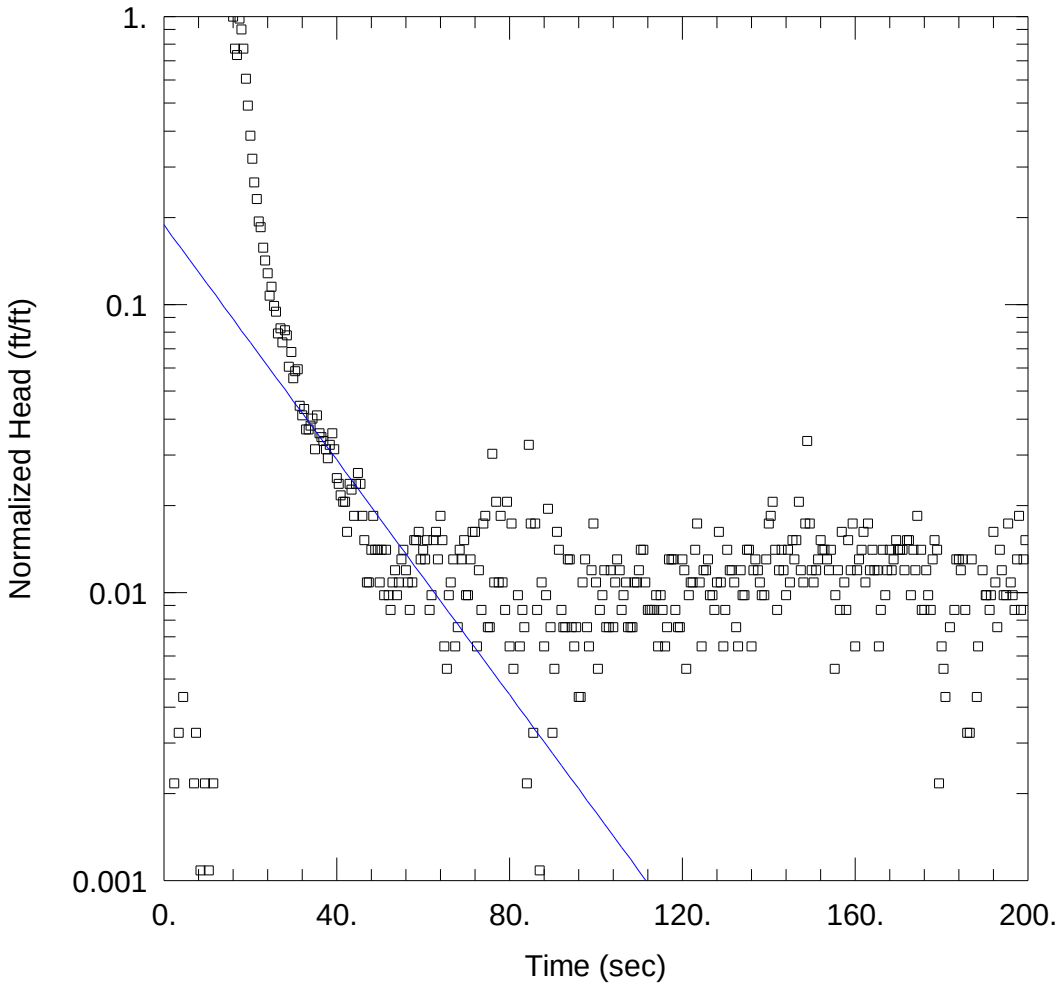
Saturated Thickness: 13. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-1B)

Initial Displacement: 1.228 ft
Total Well Penetration Depth: 41. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 41. ft
Screen Length: 10. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 5.568E-5 ft/sec
y0 = 0.2626 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW1B-2SO.aqt
Date: 01/05/15 Time: 14:51:56

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 1B-2SO
Test Date: 12/4/2014

AQUIFER DATA

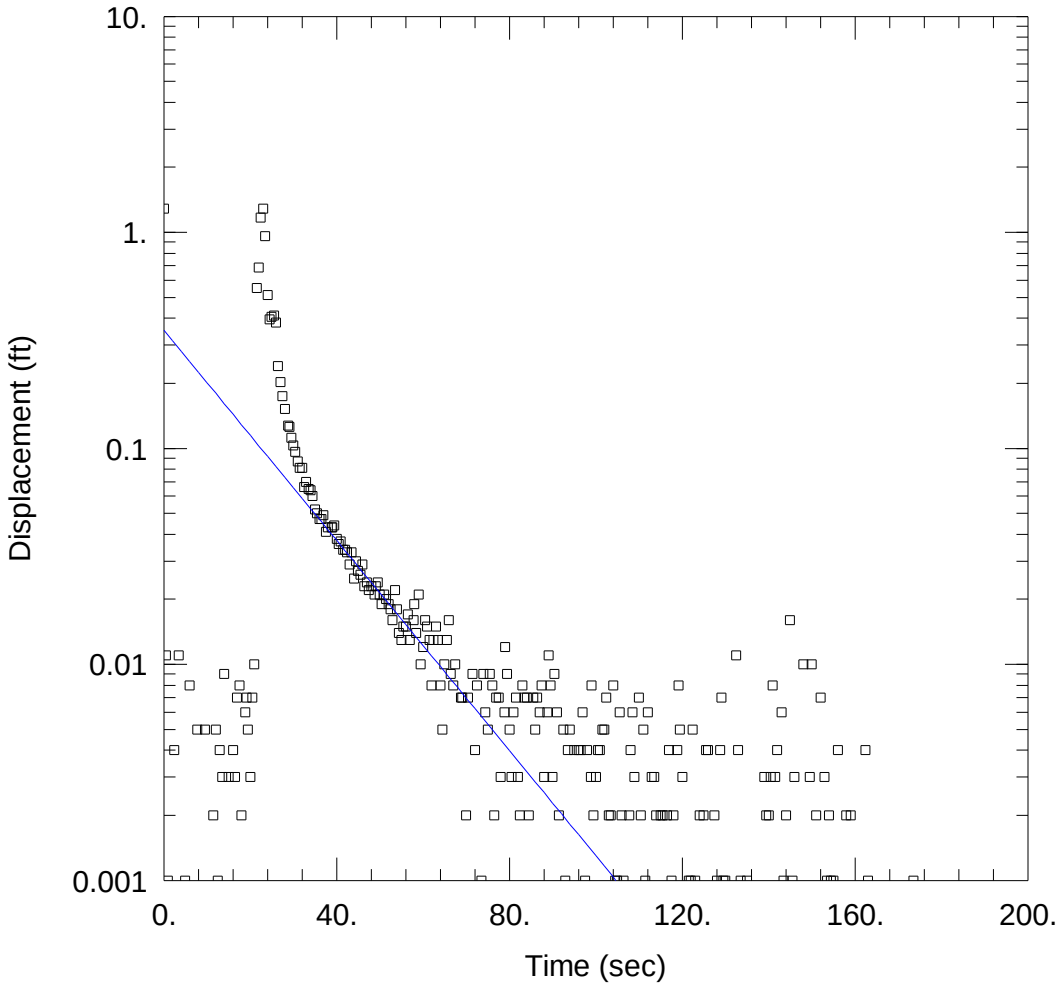
Saturated Thickness: 13. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-1B)

Initial Displacement: -0.923 ft
Total Well Penetration Depth: 41. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 41. ft
Screen Length: 10. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 5.965E-5 ft/sec
y0 = -0.1742 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW1B-3SI.aqt
Date: 01/05/15 Time: 14:52:36

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 1B-3SI
Test Date: 12/4/2014

AQUIFER DATA

Saturated Thickness: 13. ft Anisotropy Ratio (Kz/Kr): 1.

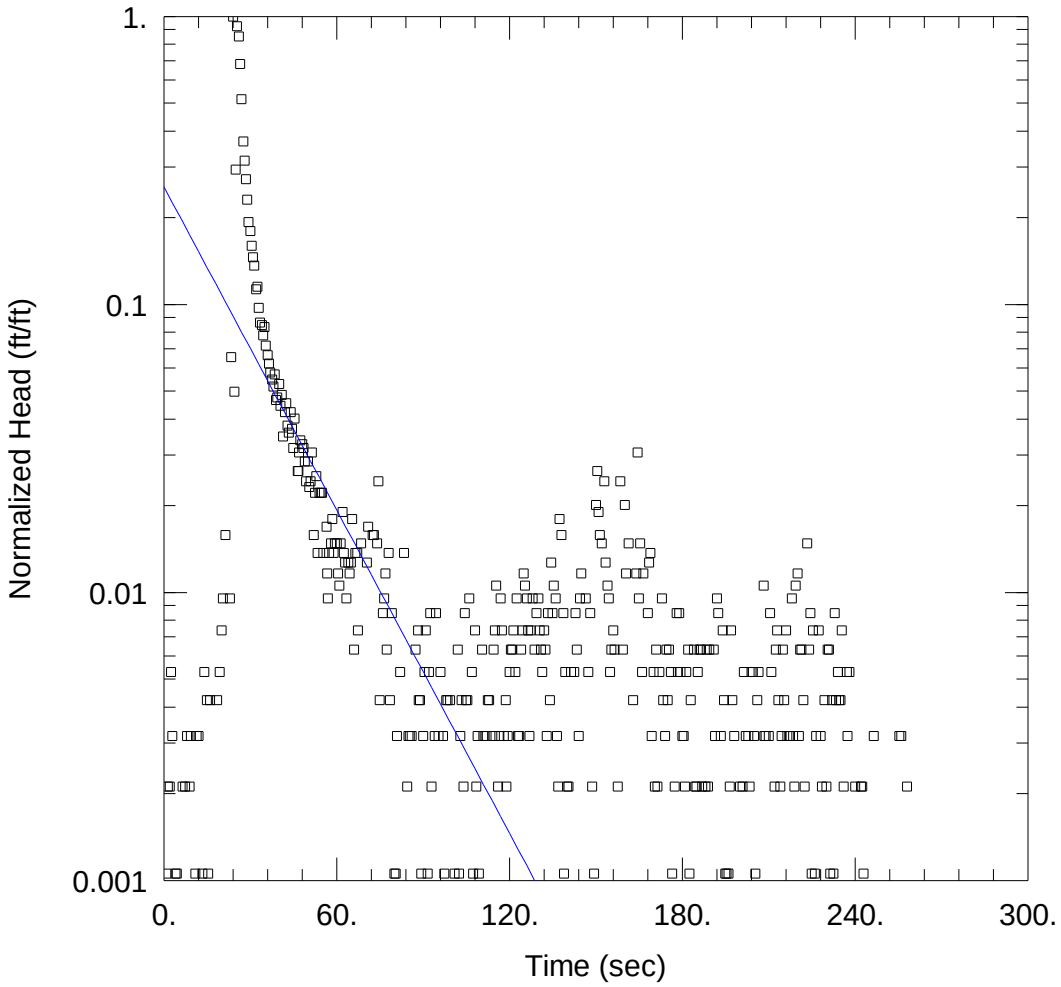
WELL DATA (MW-1B)

Initial Displacement: 1.285 ft
Total Well Penetration Depth: 41. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 41. ft
Screen Length: 10. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 7.115E-5 ft/sec y0 = 0.3522 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW1B-3SO.aqt
Date: 01/05/15 Time: 14:53:02

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 1B-3SO
Test Date: 12/4/2014

AQUIFER DATA

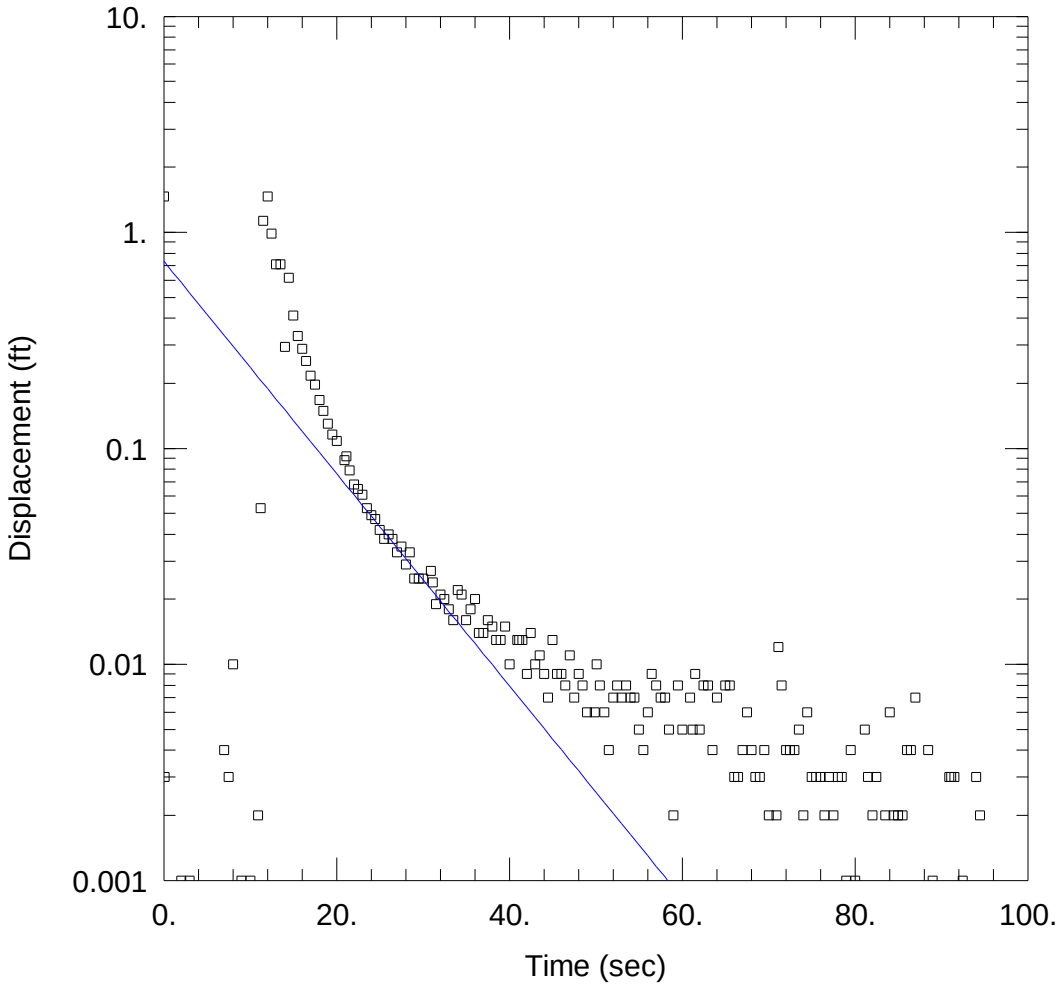
Saturated Thickness: 13. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-1B)

Initial Displacement: -0.947 ft
Total Well Penetration Depth: 41. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 41. ft
Screen Length: 10. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 5.471E-5 ft/sec
y0 = -0.2426 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW3A-1SI.aqt
Date: 01/05/15 Time: 14:54:17

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 3A-1SI
Test Date: 12/4/2014

AQUIFER DATA

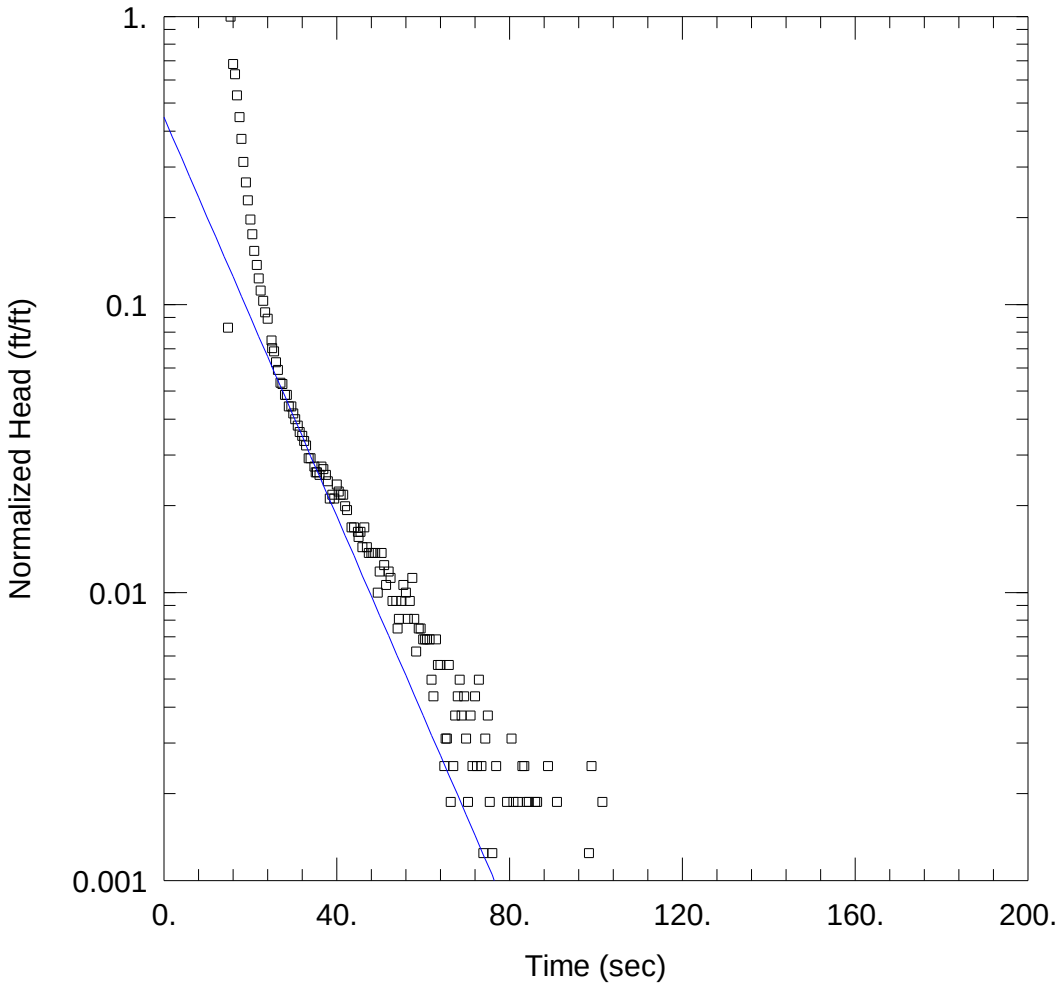
Saturated Thickness: 14. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-3A)

Initial Displacement: 1.461 ft
Total Well Penetration Depth: 14. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 14. ft
Screen Length: 14. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 8.022E-5 ft/sec
y0 = 0.7347 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW3A-1SO.aqt
Date: 01/05/15 Time: 14:54:51

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 3A-1SO
Test Date: 12/4/2014

AQUIFER DATA

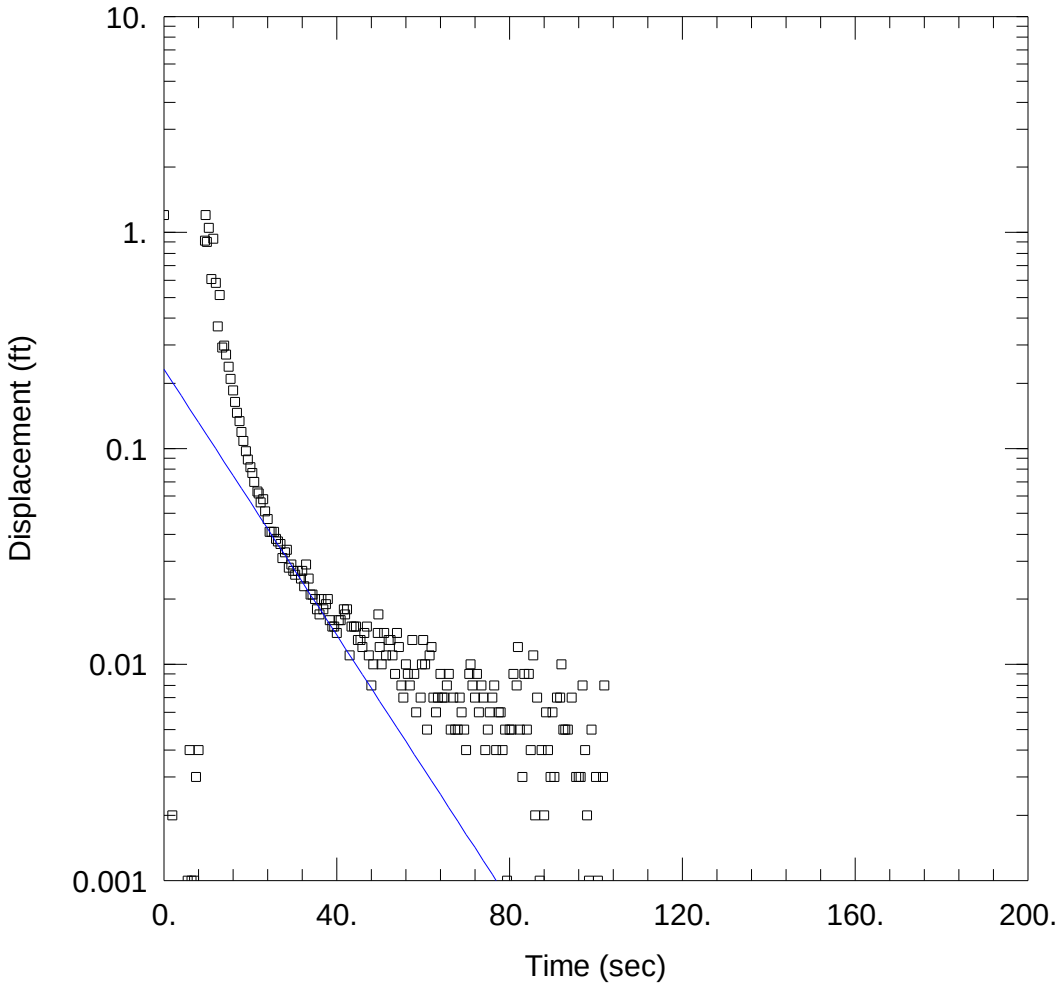
Saturated Thickness: 14. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-3A)

Initial Displacement: -1.606 ft
Total Well Penetration Depth: 14. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 14. ft
Screen Length: 14. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 5.65E-5 ft/sec
y0 = -0.7172 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW3A-2SI.aqt
Date: 01/05/15 Time: 14:55:11

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 3A-2SI
Test Date: 12/4/2014

AQUIFER DATA

Saturated Thickness: 14. ft Anisotropy Ratio (Kz/Kr): 1.

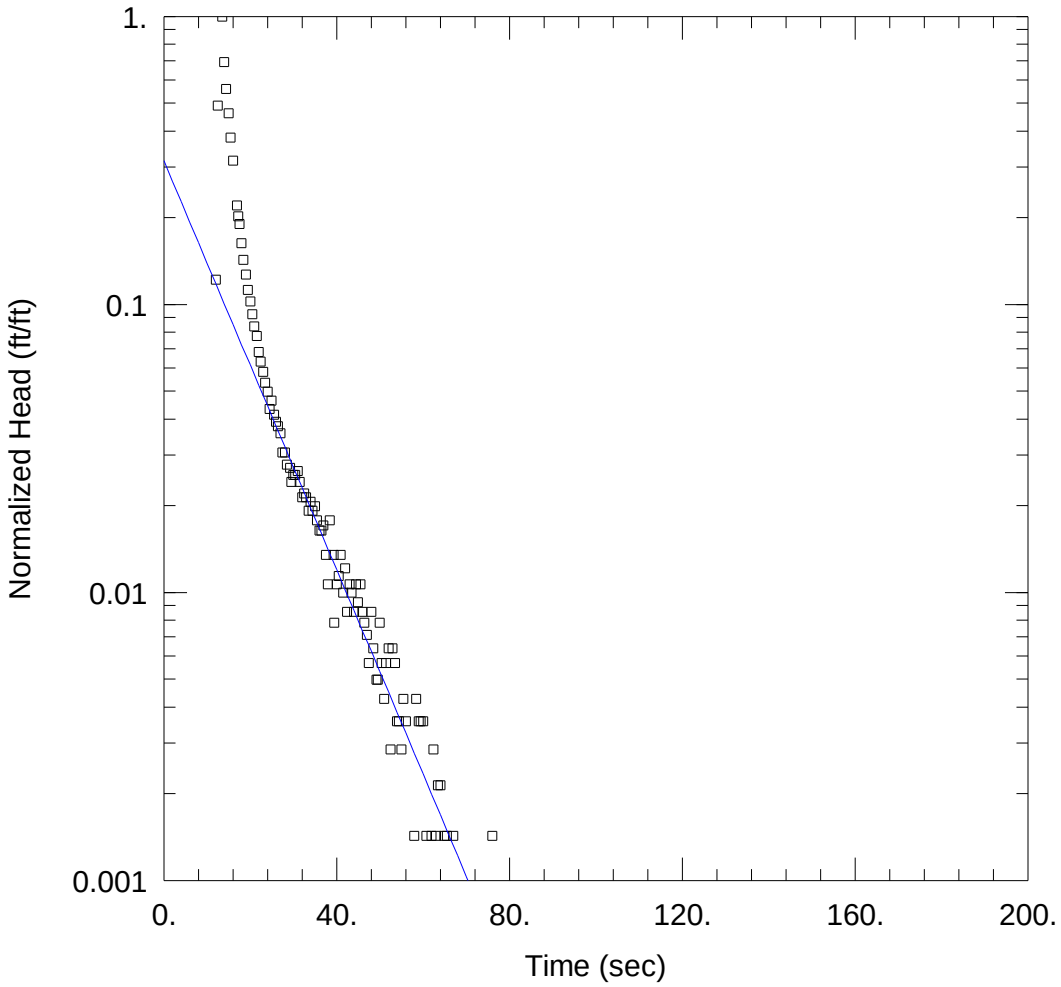
WELL DATA (MW-3A)

Initial Displacement: 1.205 ft
Total Well Penetration Depth: 14. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 14. ft
Screen Length: 14. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 5.023E-5 ft/sec y0 = 0.233 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW3A-2SO.aqt
Date: 01/05/15 Time: 14:55:35

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 3A-2SO
Test Date: 12/4/2014

AQUIFER DATA

Saturated Thickness: 14. ft Anisotropy Ratio (Kz/Kr): 1.

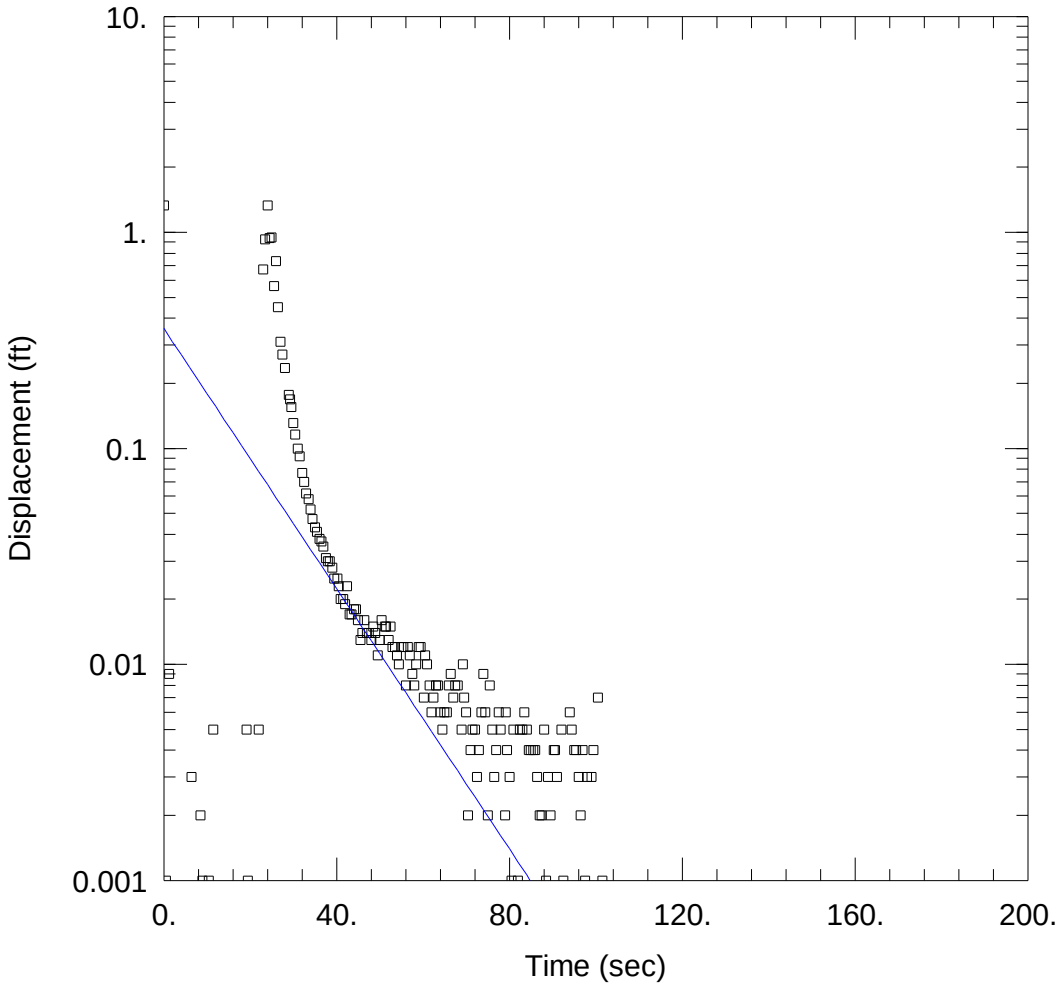
WELL DATA (MW-3A)

Initial Displacement: -1.405 ft
Total Well Penetration Depth: 14. ft
Casing Radius: 0.083 ft
Static Water Column Height: 14. ft
Screen Length: 14. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 5.748E-5 ft/sec y0 = -0.4426 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW3A-3SI.aqt
Date: 01/05/15 Time: 14:56:02

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 3A-3SI
Test Date: 12/4/2014

AQUIFER DATA

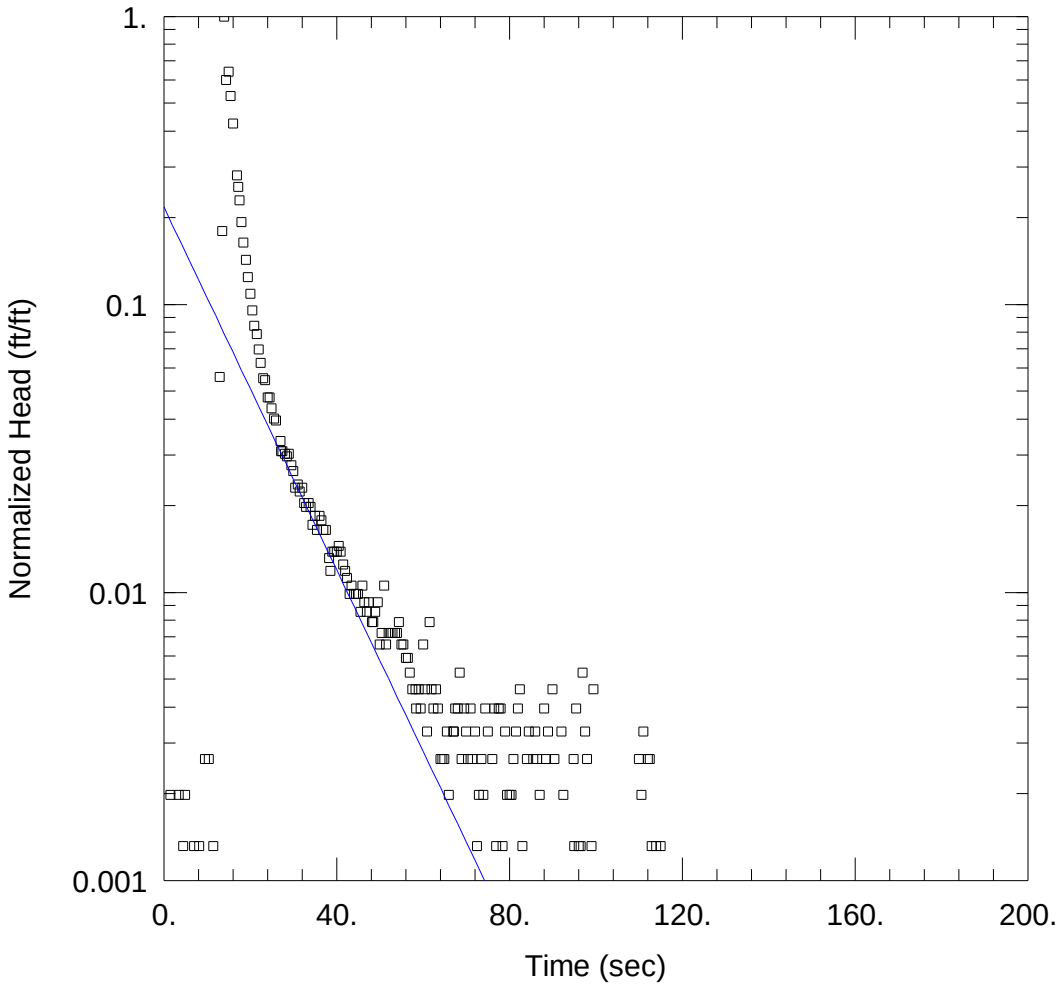
Saturated Thickness: 14. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-3A)

Initial Displacement: 1.336 ft
Total Well Penetration Depth: 14. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 14. ft
Screen Length: 14. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 4.915E-5 ft/sec
y0 = 0.3586 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW3A-3SO.aqt
Date: 01/05/15 Time: 14:56:23

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 3A-3SO
Test Date: 12/4/2014

AQUIFER DATA

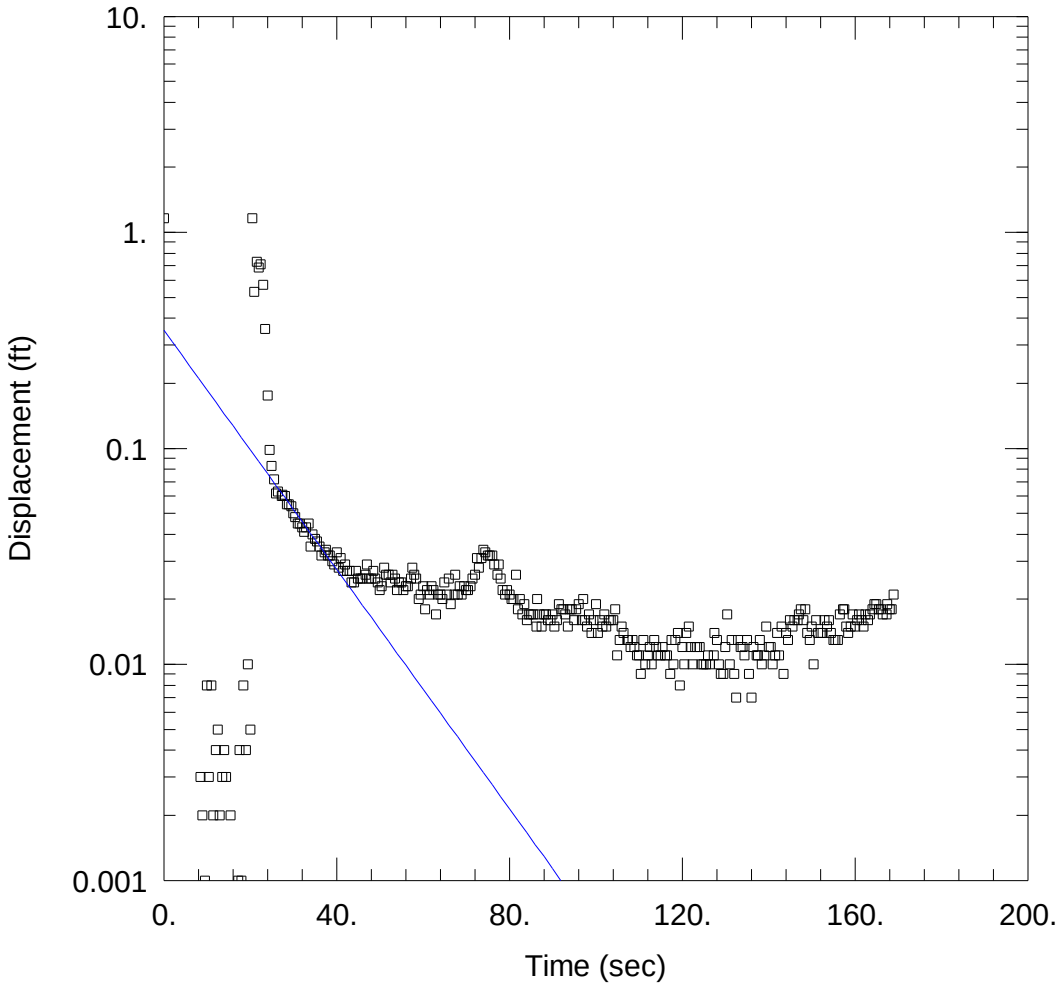
Saturated Thickness: 14. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-3A)

Initial Displacement: -1.519 ft
Total Well Penetration Depth: 14. ft
Casing Radius: 0.083 ft
Static Water Column Height: 14. ft
Screen Length: 14. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 5.104E-5 ft/sec
y0 = -0.3308 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW3B-1SI.aqt
Date: 01/05/15 Time: 15:18:58

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 3B-1SI
Test Date: 12/4/2014

AQUIFER DATA

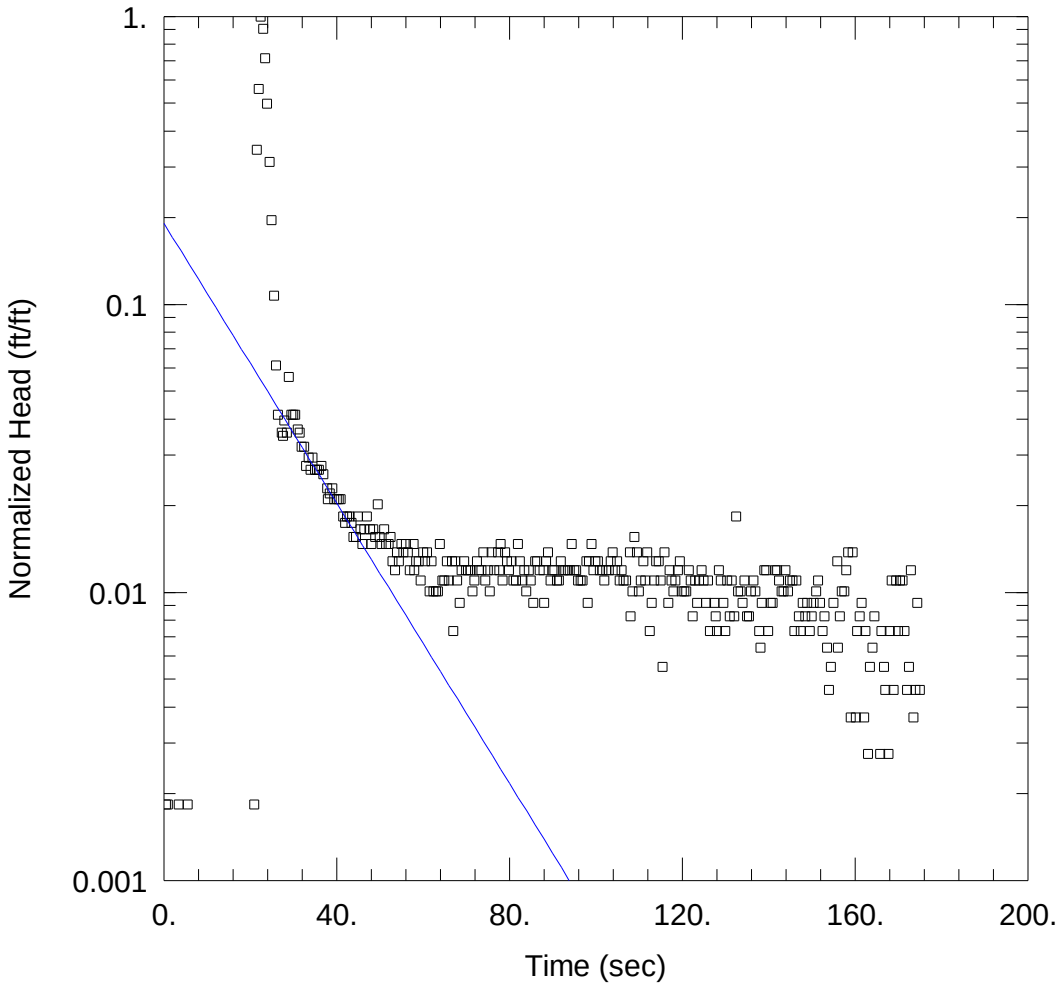
Saturated Thickness: 22. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-3B)

Initial Displacement: 1.159 ft
Total Well Penetration Depth: 38. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 38. ft
Screen Length: 10. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 8.006E-5 ft/sec
y0 = 0.3527 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW3B-1SO.aqt
Date: 01/05/15 Time: 15:20:09

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 3B-1SO
Test Date: 12/4/2014

AQUIFER DATA

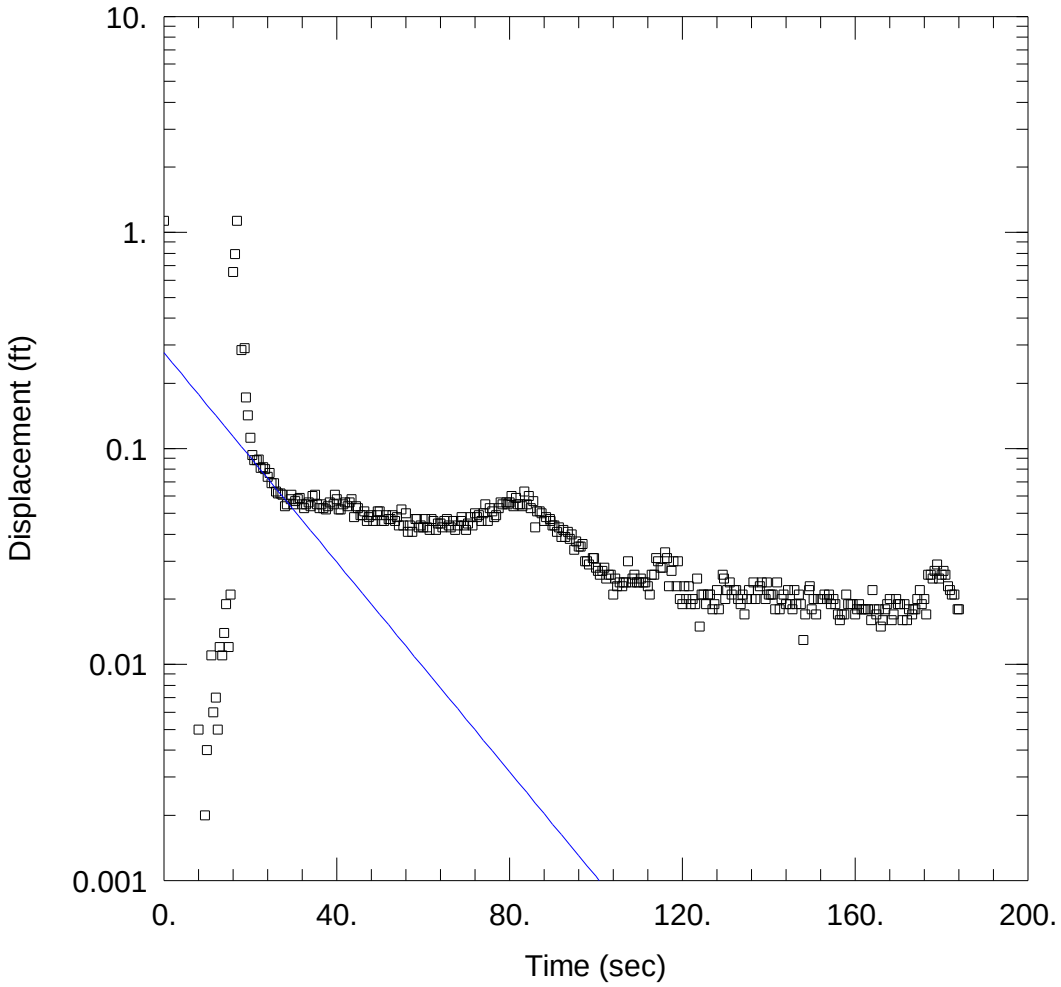
Saturated Thickness: 22. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-3B)

Initial Displacement: -1.09 ft
Total Well Penetration Depth: 38. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 38. ft
Screen Length: 10. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 7.025E-5 ft/sec
y0 = -0.2085 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW3B-2SI.aqt
Date: 01/05/15 Time: 15:20:42

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 3B-2SI
Test Date: 12/4/2014

AQUIFER DATA

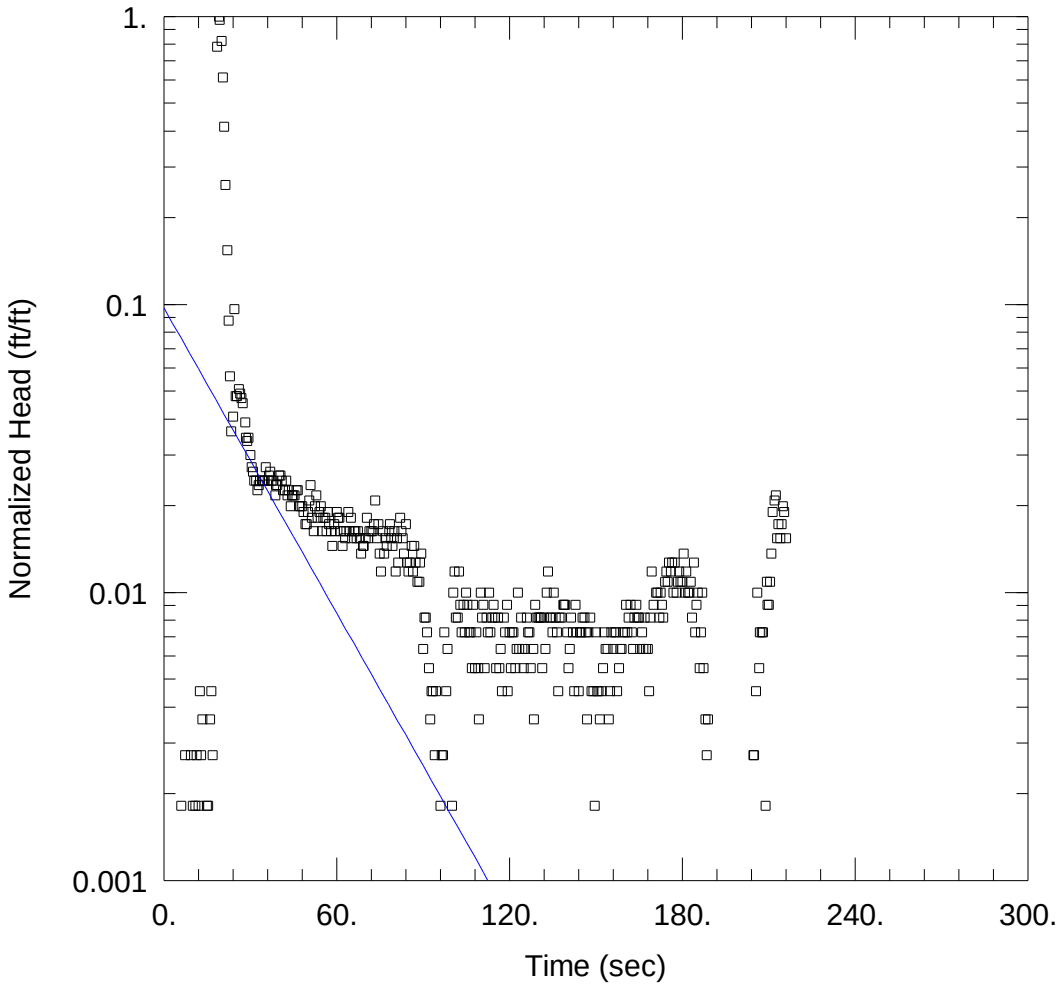
Saturated Thickness: 22. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-3B)

Initial Displacement: 1.129 ft
Total Well Penetration Depth: 38. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 38. ft
Screen Length: 10. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 7.011E-5 ft/sec
y0 = 0.2778 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW3B-2SO.aqt
Date: 01/05/15 Time: 15:21:06

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 3B-2SO
Test Date: 12/4/2014

AQUIFER DATA

Saturated Thickness: 22. ft
Anisotropy Ratio (Kz/Kr): 1.

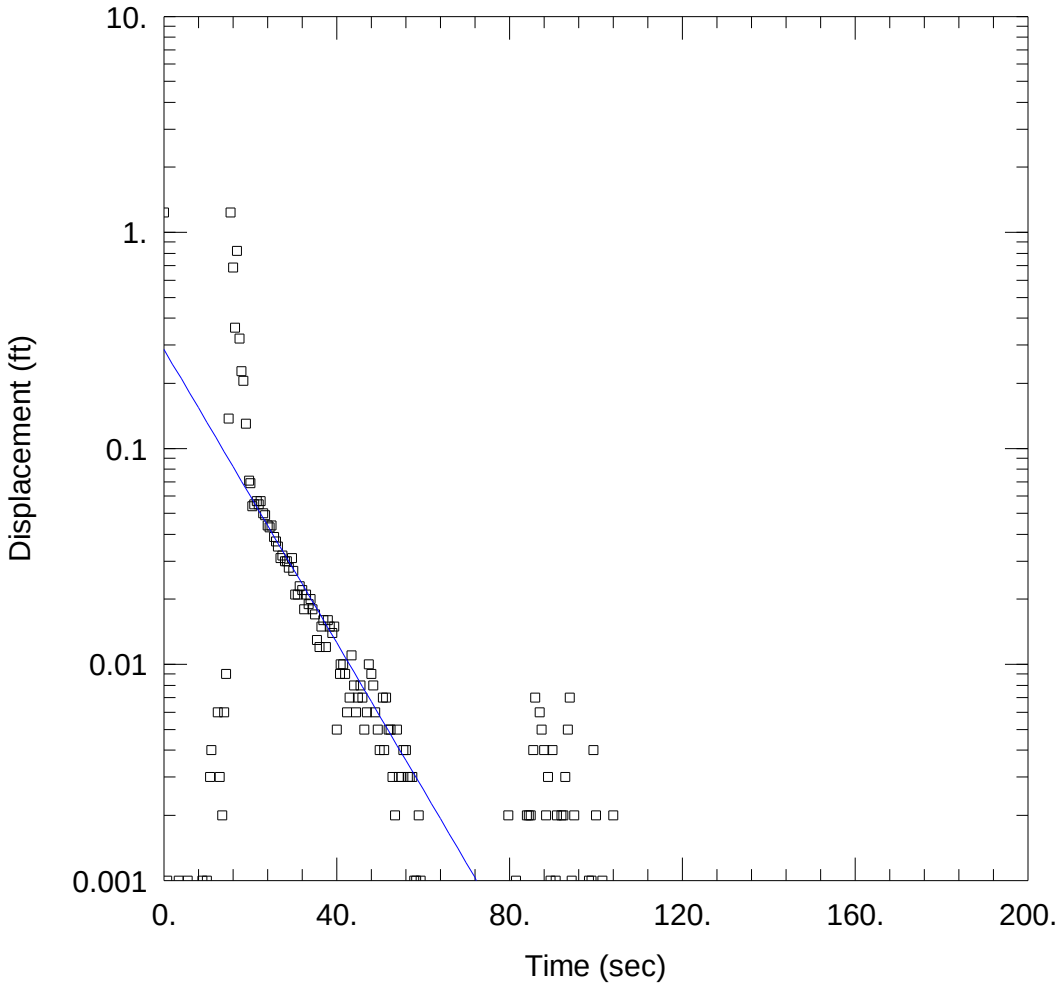
WELL DATA (MW-3B)

Initial Displacement: -1.103 ft
Total Well Penetration Depth: 38. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 38. ft
Screen Length: 10. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice

K = 5.106E-5 ft/sec
y0 = -0.1074 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW3B-3SI.aqt
Date: 01/05/15 Time: 15:21:28

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 3B-3SI
Test Date: 12/4/2014

AQUIFER DATA

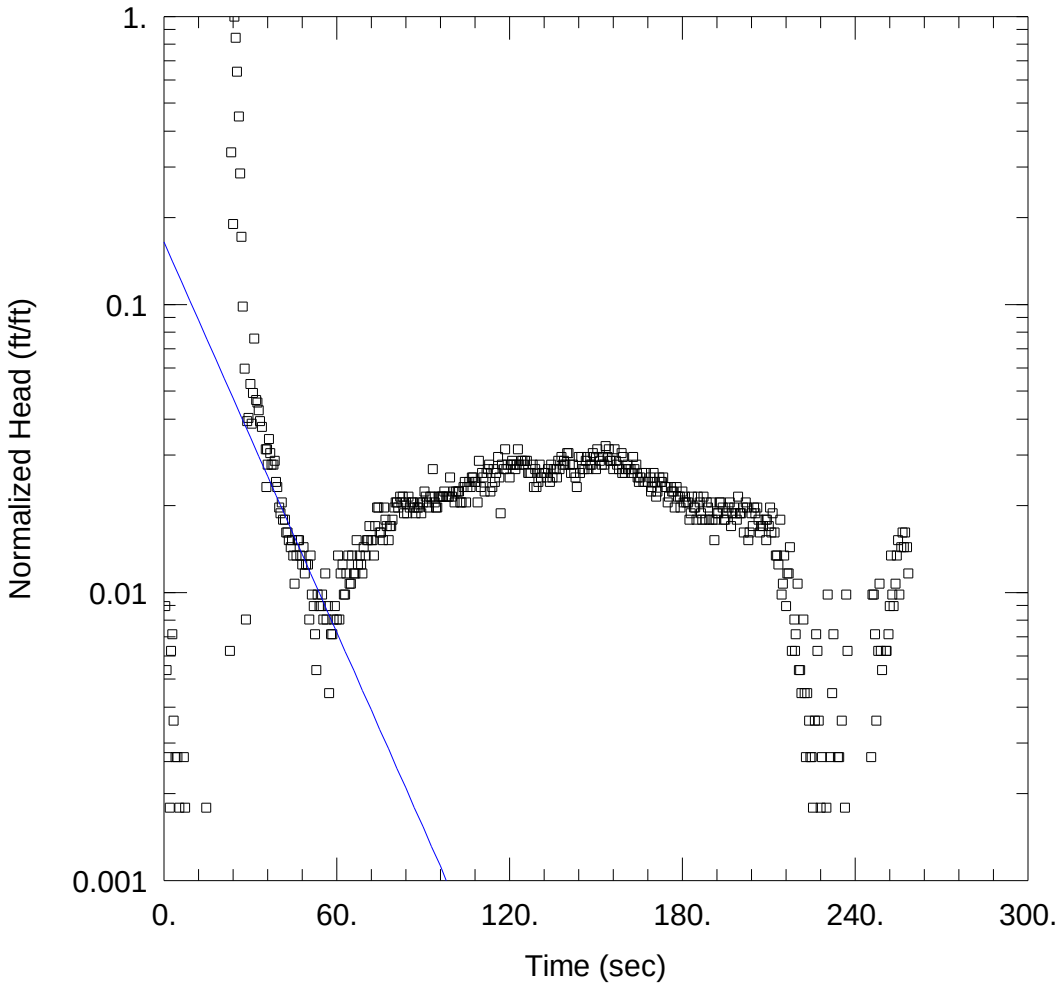
Saturated Thickness: 22. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-3B)

Initial Displacement: 1.235 ft
Total Well Penetration Depth: 38. ft
Casing Radius: 0.083 ft
Static Water Column Height: 38. ft
Screen Length: 10. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 9.747E-5 ft/sec
y0 = 0.2877 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW3B-3SO.aqt
Date: 01/05/15 Time: 15:23:08

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 3B-3SO
Test Date: 12/4/2014

AQUIFER DATA

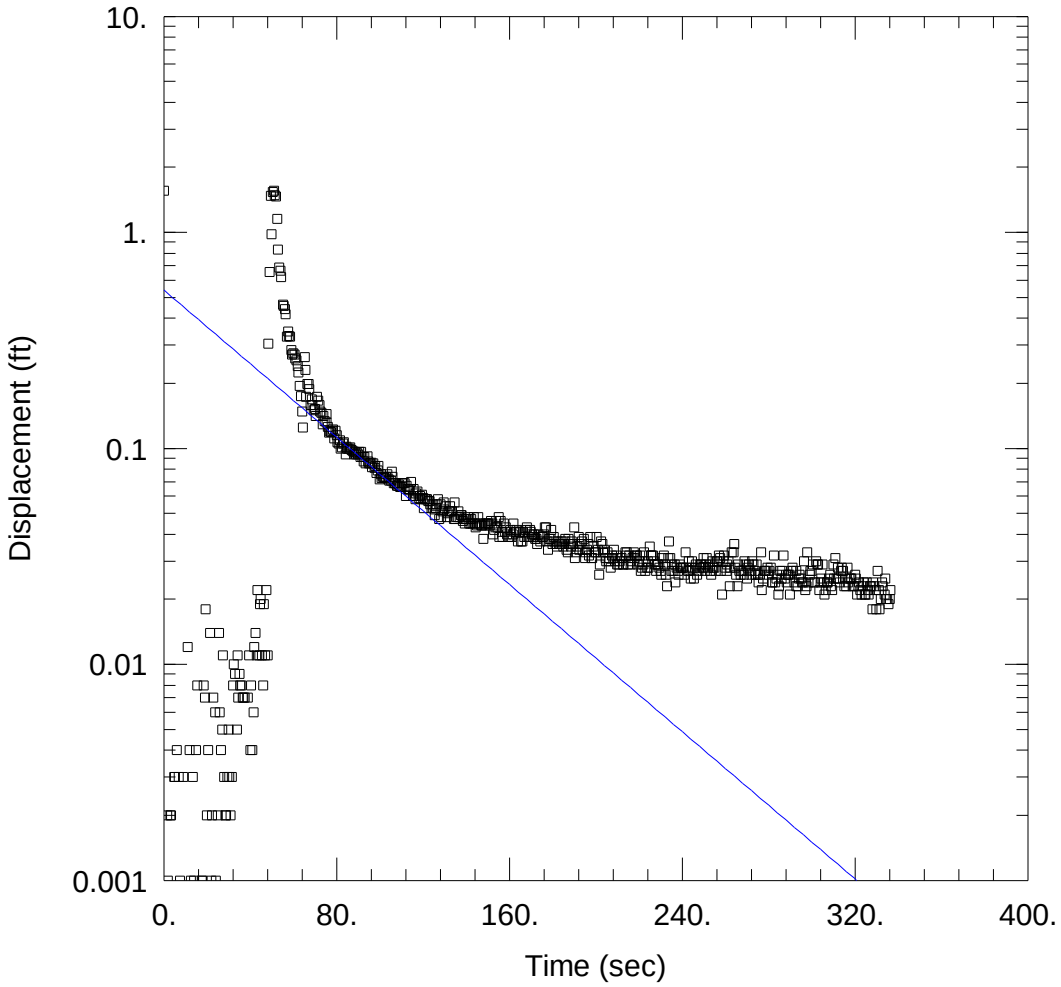
Saturated Thickness: 22. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-3B)

Initial Displacement: -1.118 ft
Total Well Penetration Depth: 38. ft
Casing Radius: 0.083 ft
Static Water Column Height: 38. ft
Screen Length: 10. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 6.48E-5 ft/sec
y0 = -0.1843 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW6A-1SI.aqt
Date: 01/05/15 Time: 15:23:35

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 6A-1SI
Test Date: 12/3/2014

AQUIFER DATA

Saturated Thickness: 12. ft Anisotropy Ratio (Kz/Kr): 1.

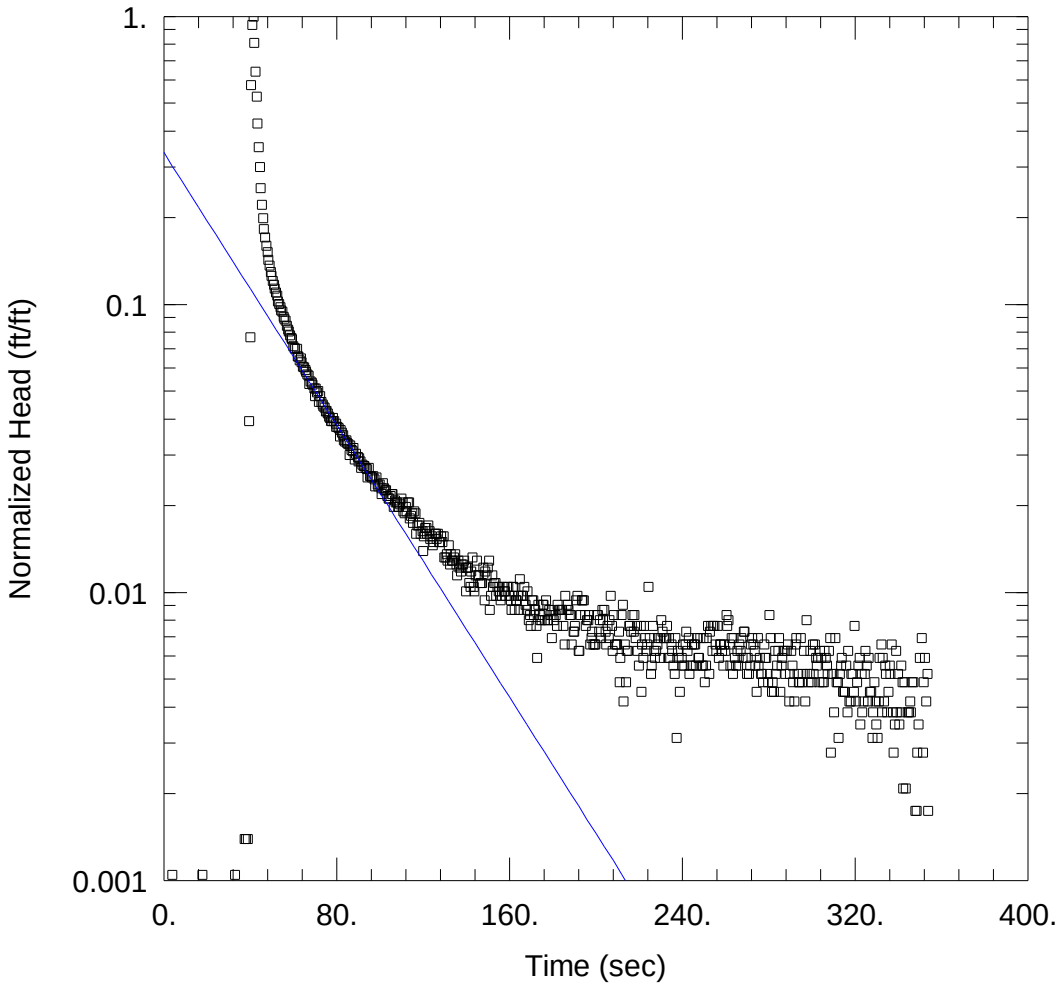
WELL DATA (MW-6A)

Initial Displacement: 1.558 ft
Total Well Penetration Depth: 20. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 12. ft
Screen Length: 20. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 1.73E-5 ft/sec y0 = 0.5395 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW6A-1SO.aqt
Date: 01/05/15 Time: 15:24:02

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 6A-1SO
Test Date: 12/3/2014

AQUIFER DATA

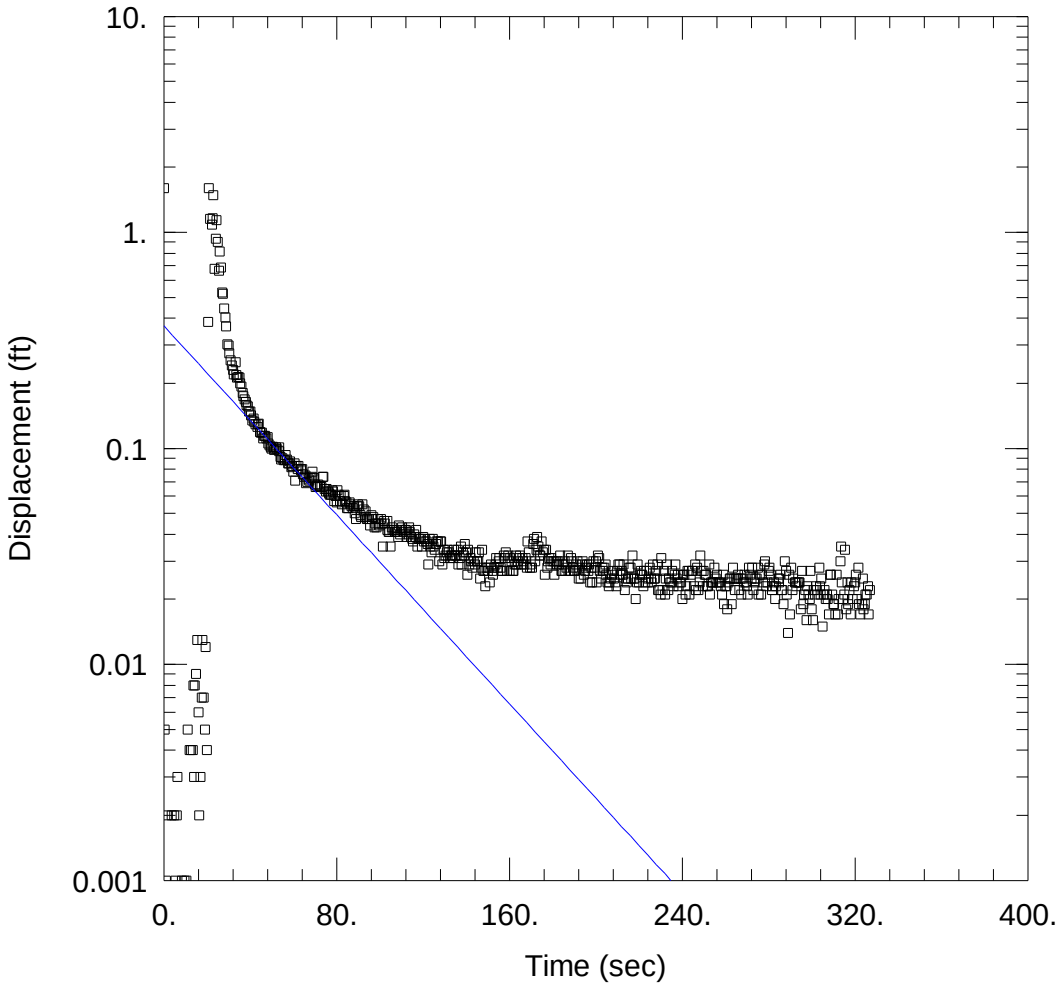
Saturated Thickness: 12. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-6A)

Initial Displacement: -2.877 ft
Total Well Penetration Depth: 20. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 12. ft
Screen Length: 20. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 2.399E-5 ft/sec
y0 = -0.9675 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW6A-2SI.aqt
Date: 01/05/15 Time: 15:24:23

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 6A-2SI
Test Date: 12/3/2014

AQUIFER DATA

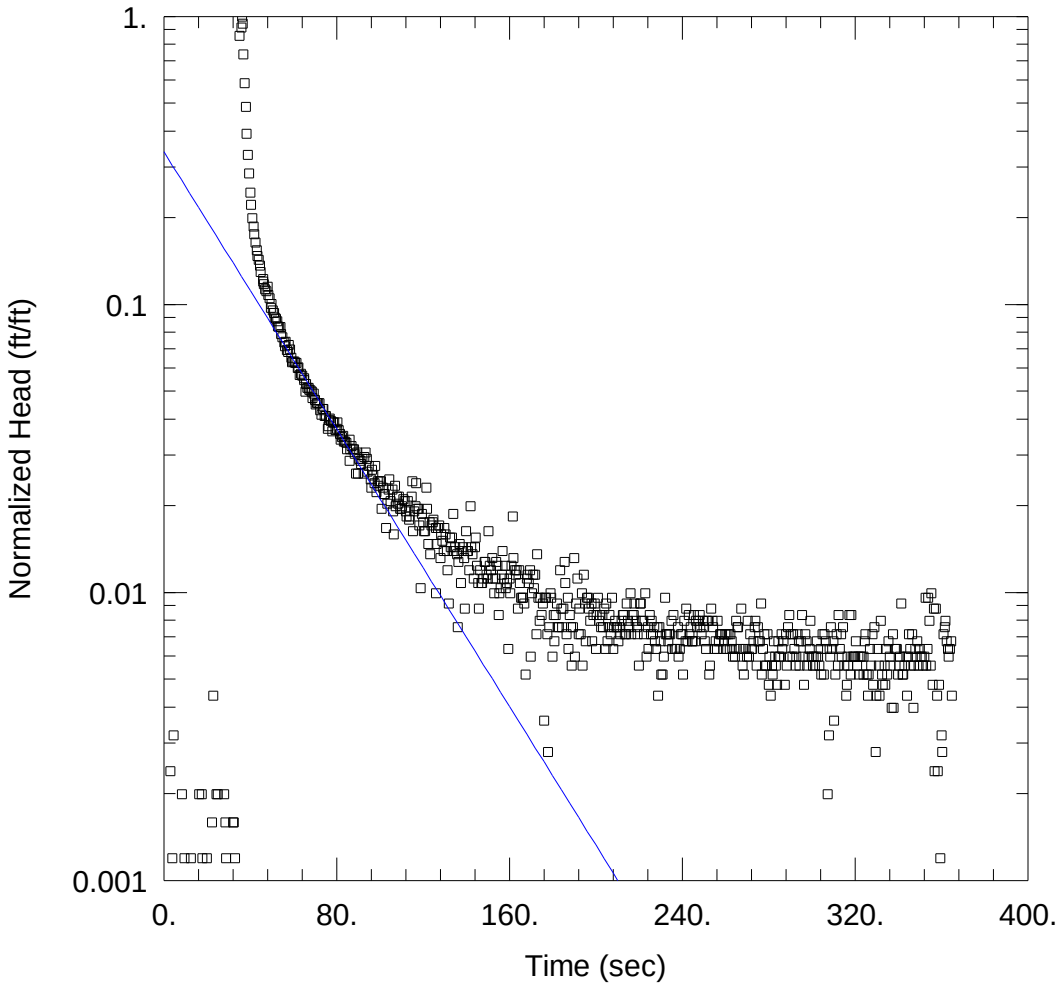
Saturated Thickness: 12. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-6A)

Initial Displacement: 1.606 ft
Total Well Penetration Depth: 20. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 12. ft
Screen Length: 20. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 2.221E-5 ft/sec
y0 = 0.3691 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW6A-2SO.aqt
Date: 01/05/15 Time: 15:25:25

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 6A-2SO
Test Date: 12/3/2014

AQUIFER DATA

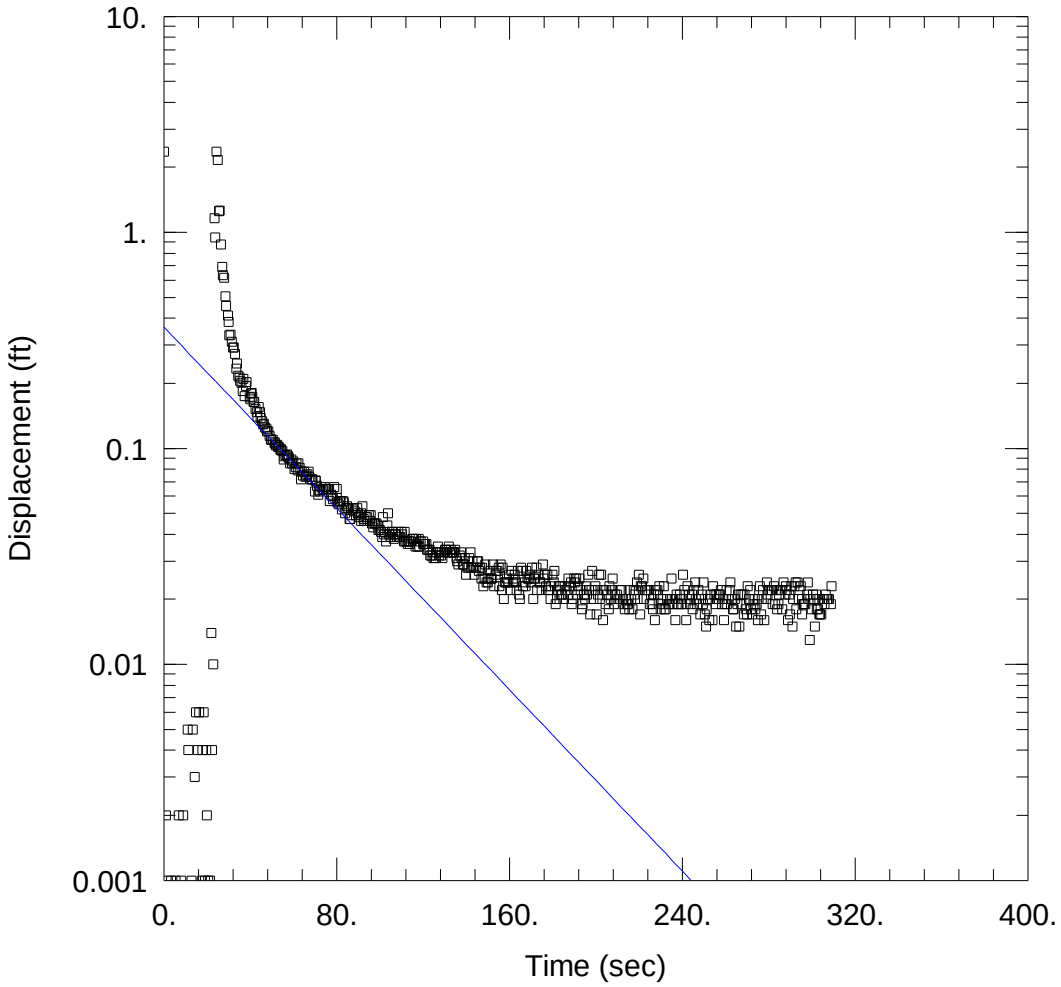
Saturated Thickness: 12. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-6A)

Initial Displacement: -2.513 ft
Total Well Penetration Depth: 10. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 12. ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 2.251E-5 ft/sec
y0 = -0.8511 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW6A-3SI.aqt
Date: 01/05/15 Time: 15:25:49

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 6A-3SI
Test Date: 12/3/2014

AQUIFER DATA

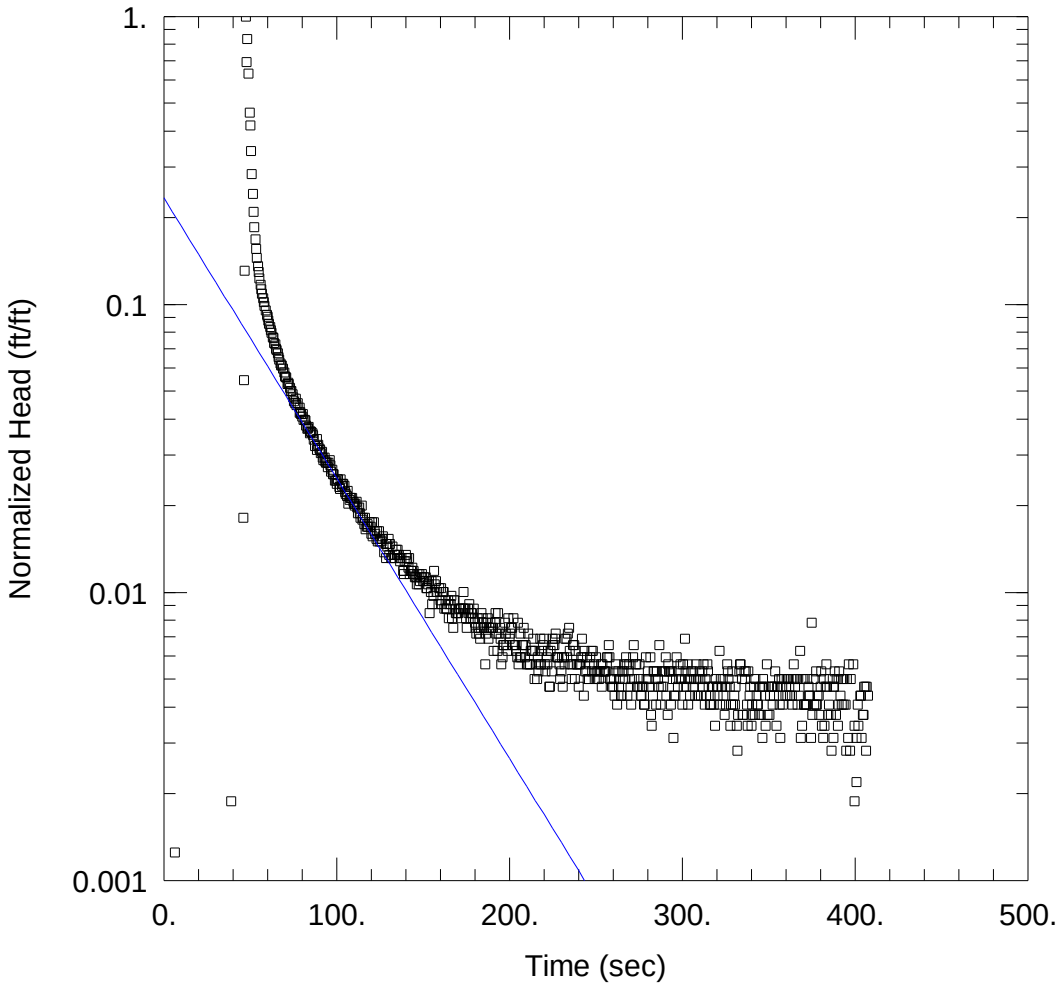
Saturated Thickness: 12. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-6A)

Initial Displacement: 2.369 ft
Total Well Penetration Depth: 20. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 12. ft
Screen Length: 20. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 2.131E-5 ft/sec
y0 = 0.3643 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW6A-3SO.aqt
Date: 01/05/15 Time: 15:26:08

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 6A-3SO
Test Date: 12/3/2014

AQUIFER DATA

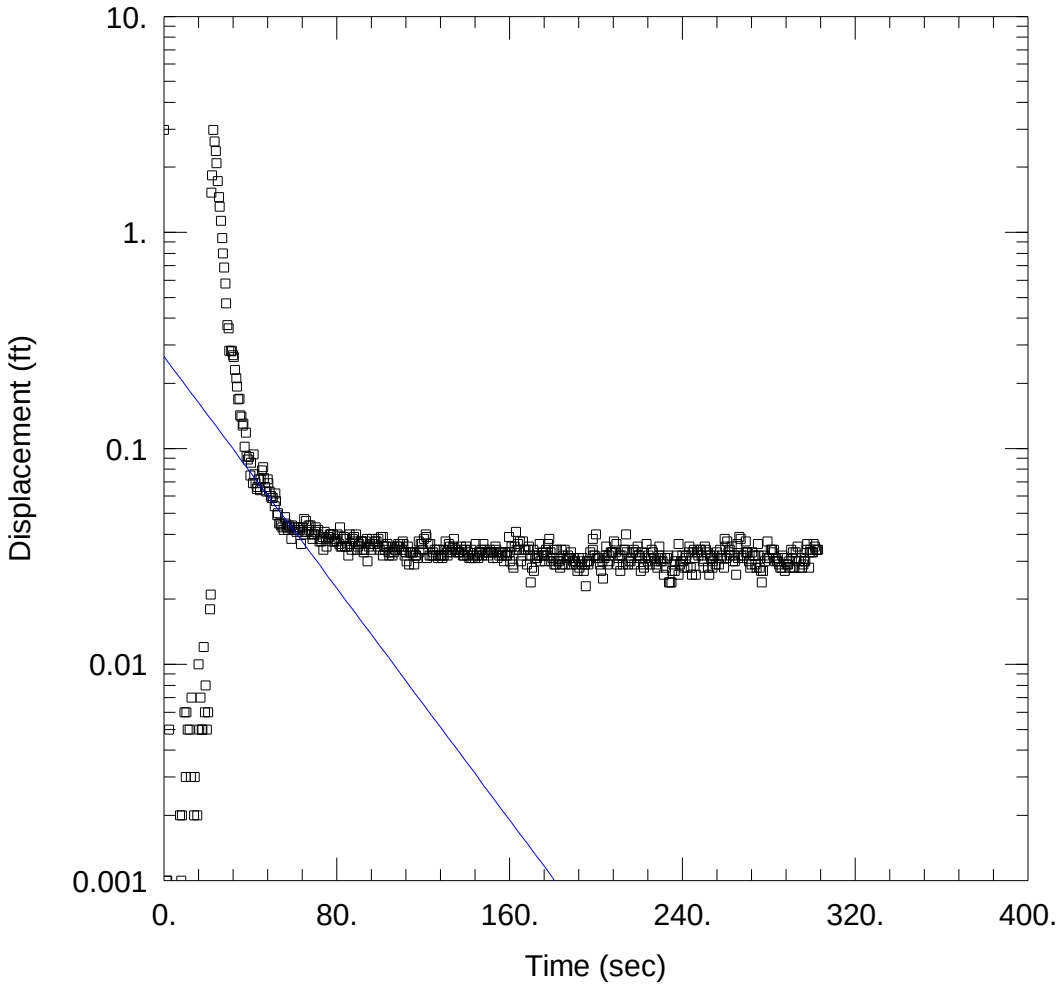
Saturated Thickness: 12. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-6A)

Initial Displacement: -3.195 ft
Total Well Penetration Depth: 20. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 12. ft
Screen Length: 20. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 1.976E-5 ft/sec
y0 = -0.7477 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW6B-1SI.aqt
Date: 01/05/15 Time: 15:26:39

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 6B-1SI
Test Date: 12/3/2014

AQUIFER DATA

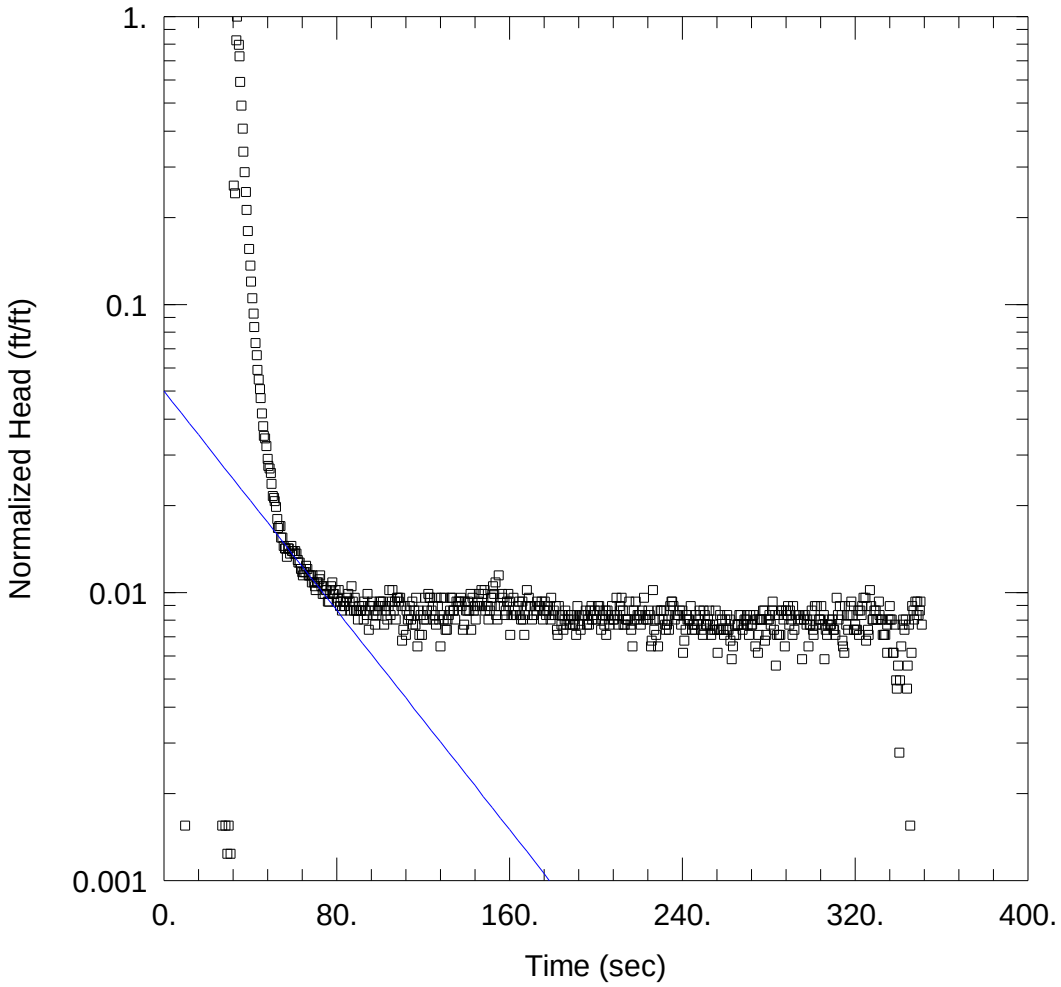
Saturated Thickness: 15. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-6B)

Initial Displacement: 2.978 ft
Total Well Penetration Depth: 40. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 40. ft
Screen Length: 15. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 2.68E-5 ft/sec
y0 = 0.267 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW6B-1SO.aqt
Date: 01/05/15 Time: 15:27:06

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 6B-1SO
Test Date: 12/3/2014

AQUIFER DATA

Saturated Thickness: 15. ft
Anisotropy Ratio (Kz/Kr): 1.

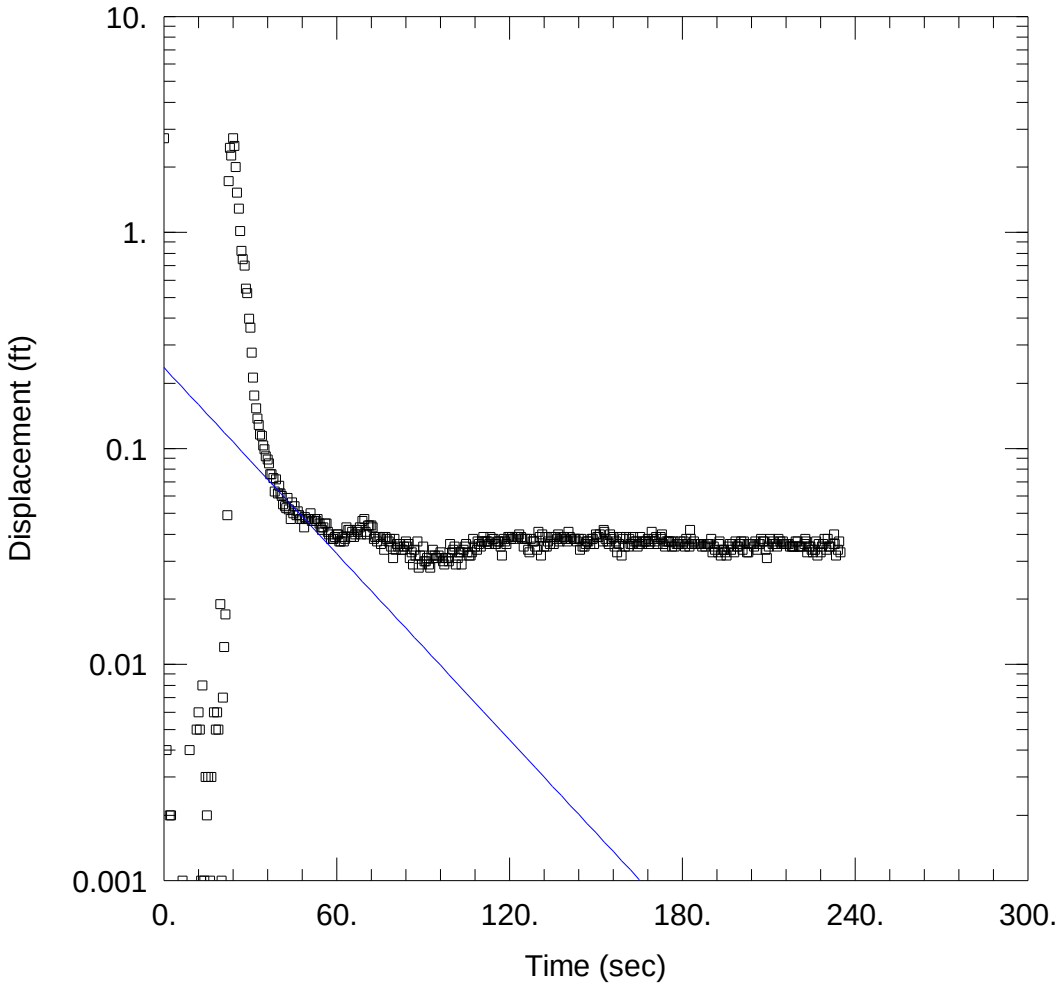
WELL DATA (MW-6B)

Initial Displacement: -3.236 ft
Total Well Penetration Depth: 40. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 40. ft
Screen Length: 15. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice

K = 1.901E-5 ft/sec
y0 = -0.1619 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW6B-2SI.aqt
Date: 01/05/15 Time: 15:27:25

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 6B-2SI
Test Date: 12/3/2014

AQUIFER DATA

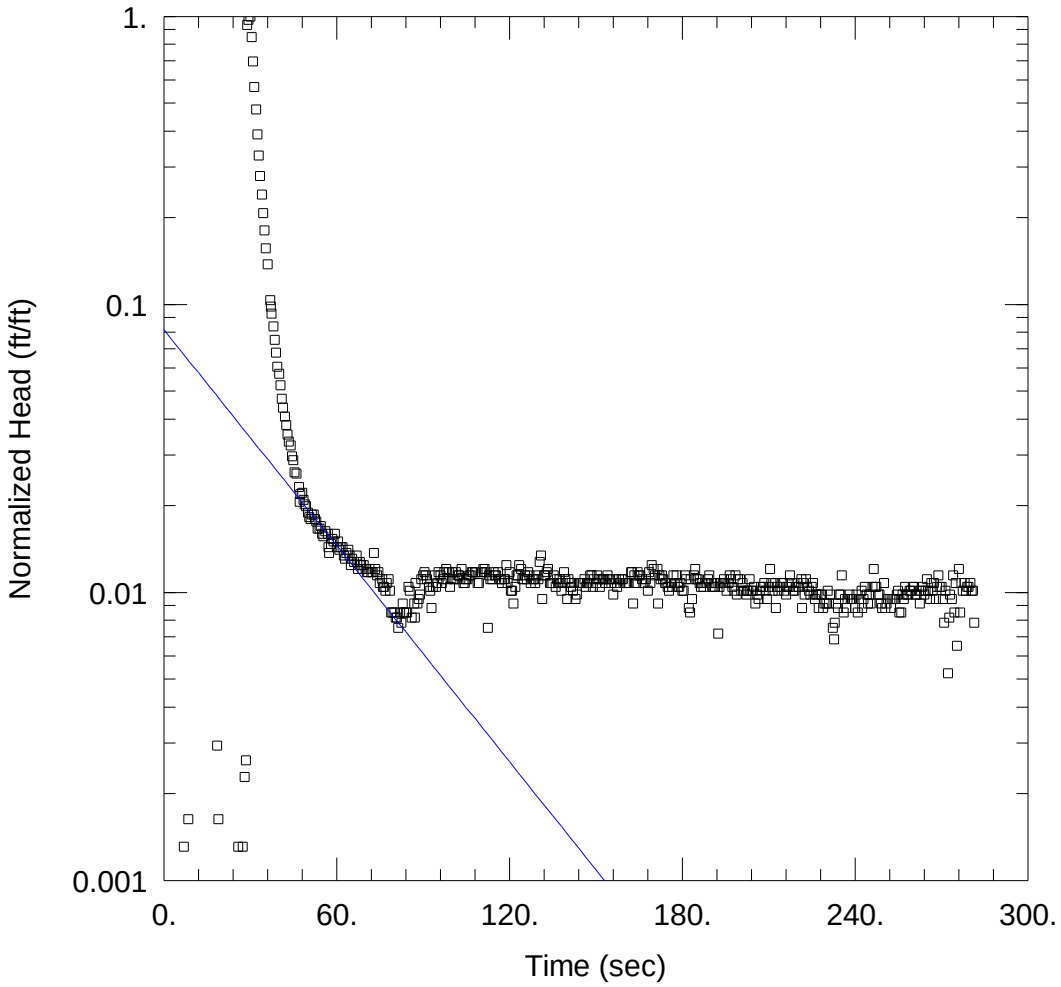
Saturated Thickness: 15. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-6B)

Initial Displacement: 2.732 ft
Total Well Penetration Depth: 40. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 40. ft
Screen Length: 15. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 2.869E-5 ft/sec
y0 = 0.2368 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW6B-2SO.aqt
Date: 01/05/15 Time: 15:27:45

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 6B-2SO
Test Date: 12/3/2014

AQUIFER DATA

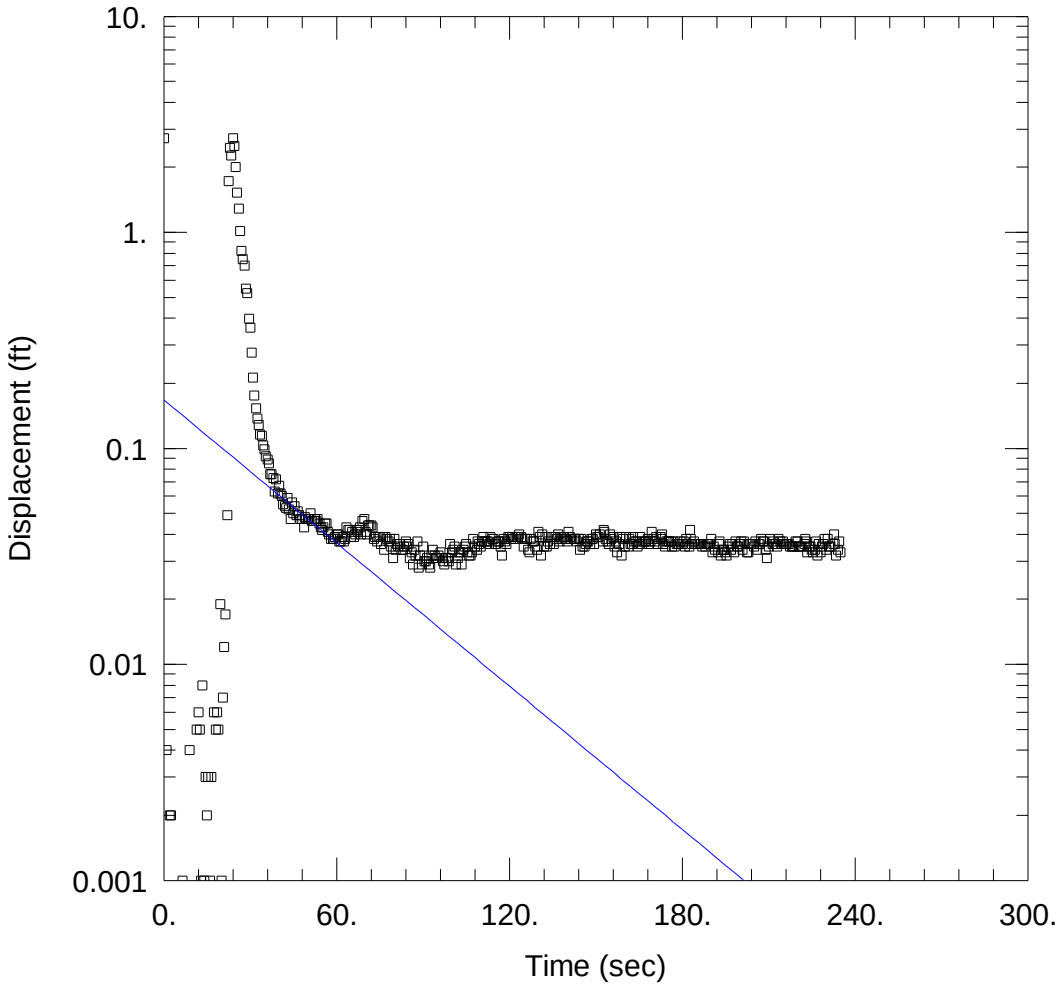
Saturated Thickness: 15. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-6B)

Initial Displacement: -3.062 ft
Total Well Penetration Depth: 40. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 40. ft
Screen Length: 15. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 2.498E-5 ft/sec
y0 = -0.2503 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW6B-3SI.aqt
Date: 01/28/15 Time: 10:18:11

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 6B-3SI
Test Date: 12/3/2014

AQUIFER DATA

Saturated Thickness: 15. ft Anisotropy Ratio (Kz/Kr): 1.

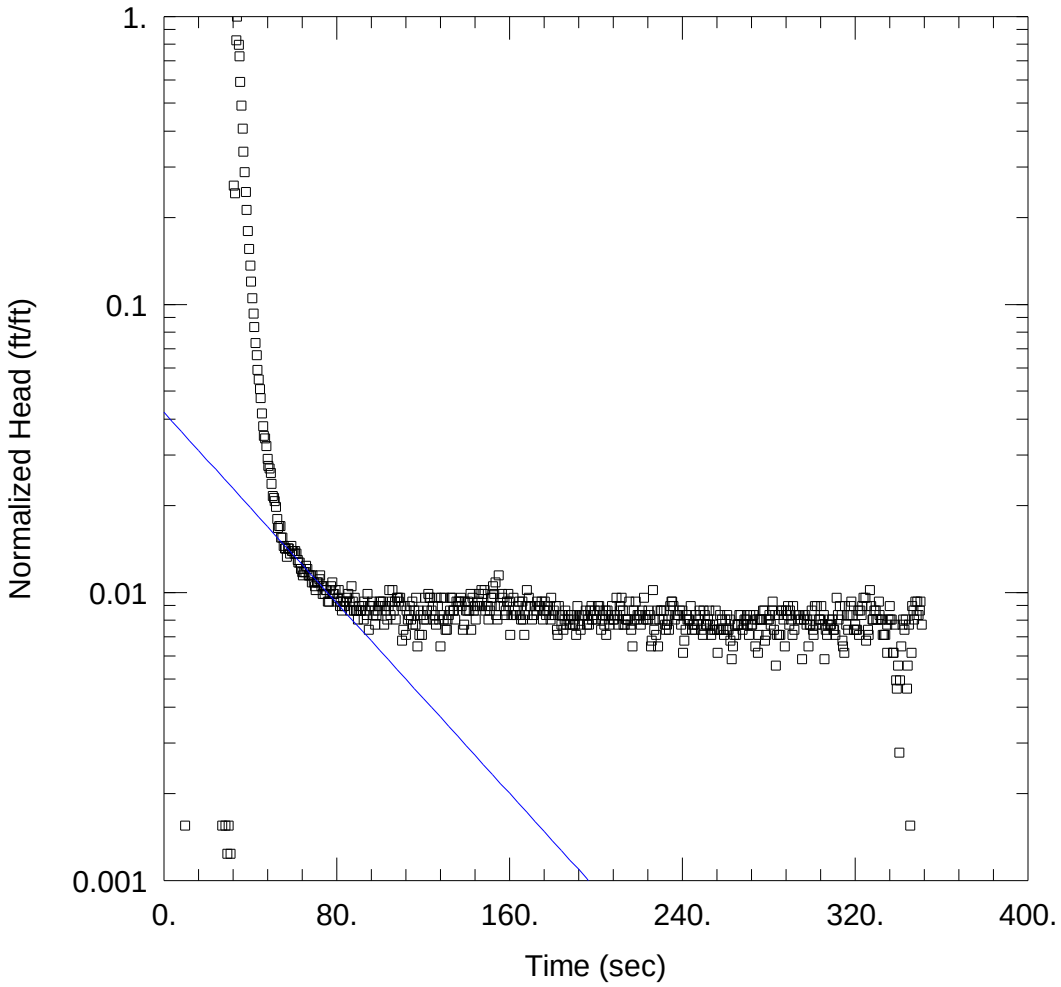
WELL DATA (MW-6B)

Initial Displacement: 2.732 ft
Total Well Penetration Depth: 56. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 40. ft
Screen Length: 15. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 2.324E-5 ft/sec y0 = 0.1676 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW6B-3SO.aqt
Date: 01/28/15 Time: 10:23:35

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 6B-3SO
Test Date: 12/3/2014

AQUIFER DATA

Saturated Thickness: 15. ft
Anisotropy Ratio (Kz/Kr): 1.

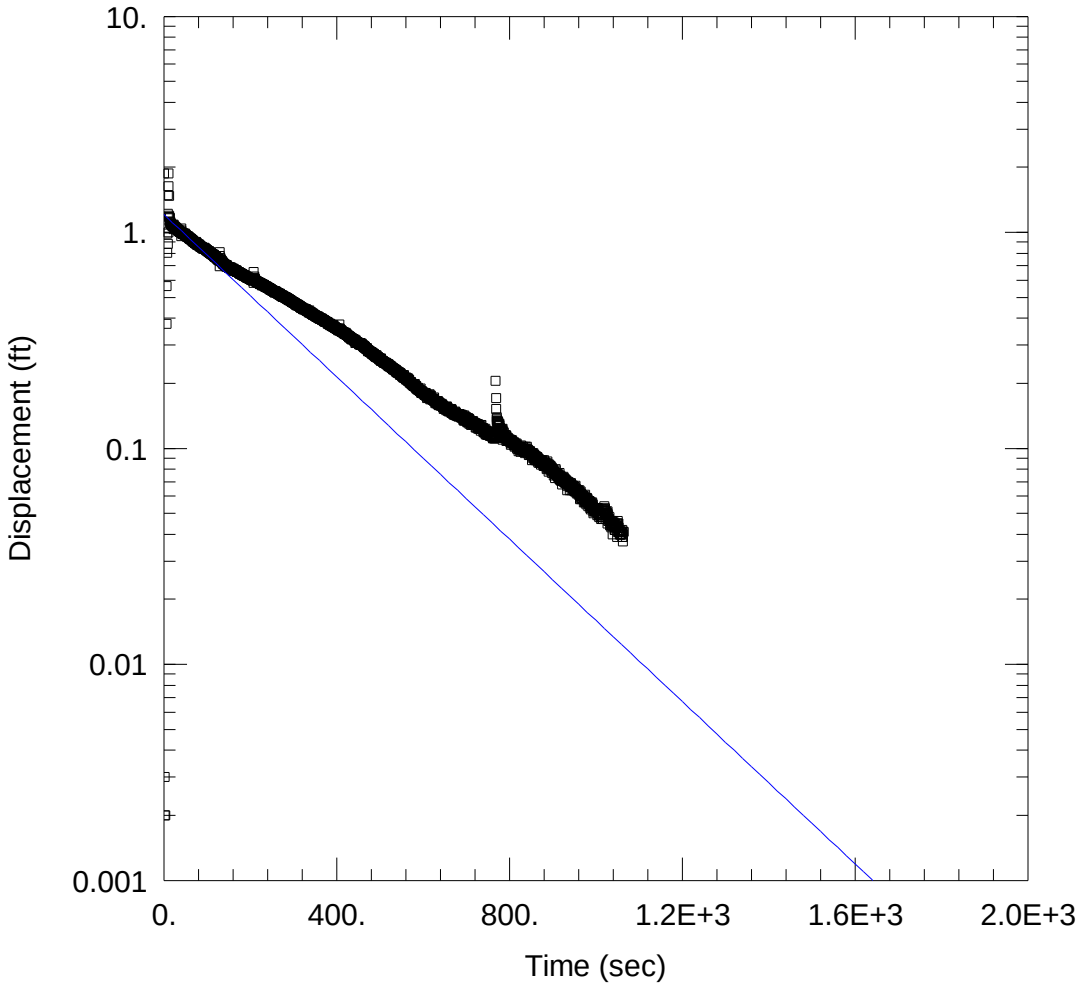
WELL DATA (MW-6B)

Initial Displacement: -3.236 ft
Total Well Penetration Depth: 40. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 40. ft
Screen Length: 15. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice

K = 1.652E-5 ft/sec
y0 = -0.1365 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW9A-1SI.aqt
Date: 01/05/15 Time: 15:28:41

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 9A-1SI
Test Date: 12/1/2014

AQUIFER DATA

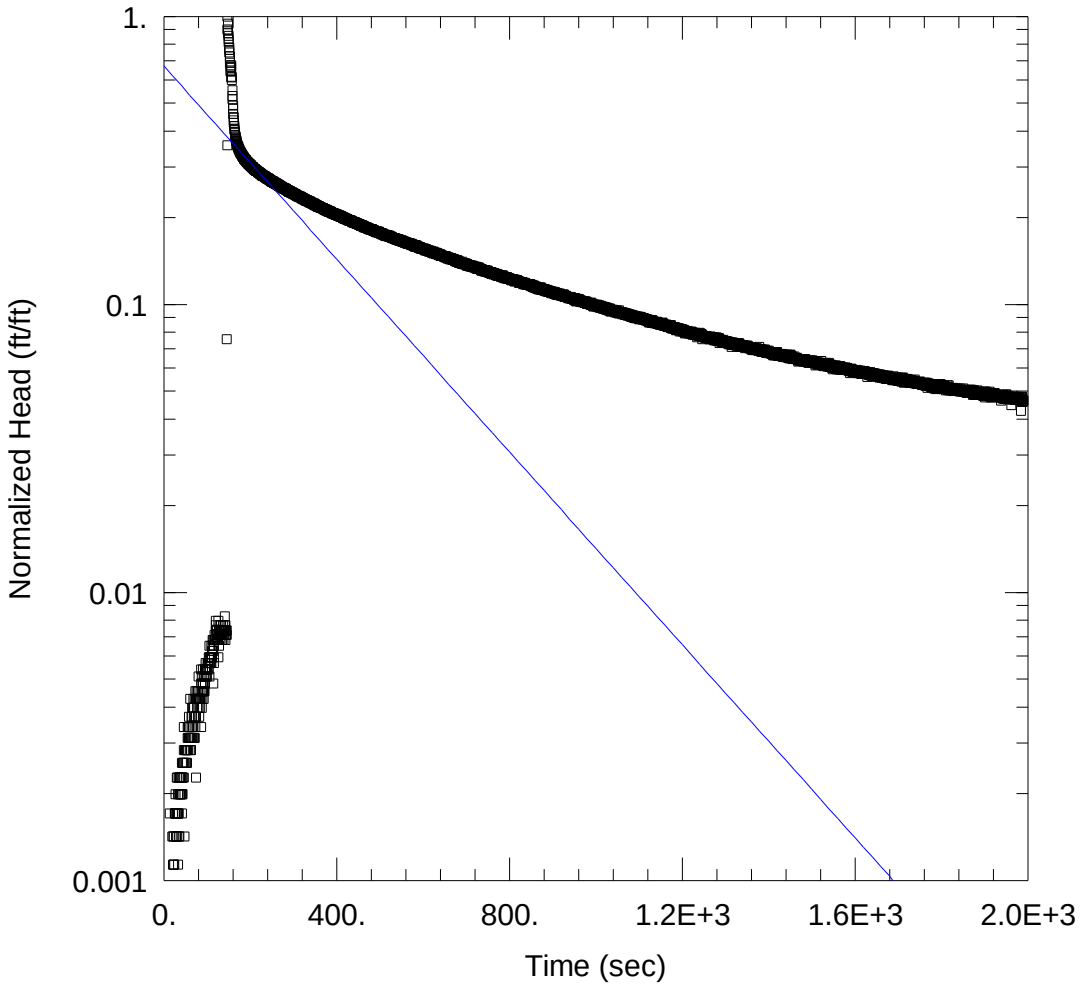
Saturated Thickness: 13. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-9A)

Initial Displacement: 1.875 ft
Total Well Penetration Depth: 20. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 13. ft
Screen Length: 20. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 3.544E-6 ft/sec
y0 = 1.21 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW9A-1SO.aqt
Date: 01/05/15 Time: 15:29:07

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 9A-1SO
Test Date: 12/1/2014

AQUIFER DATA

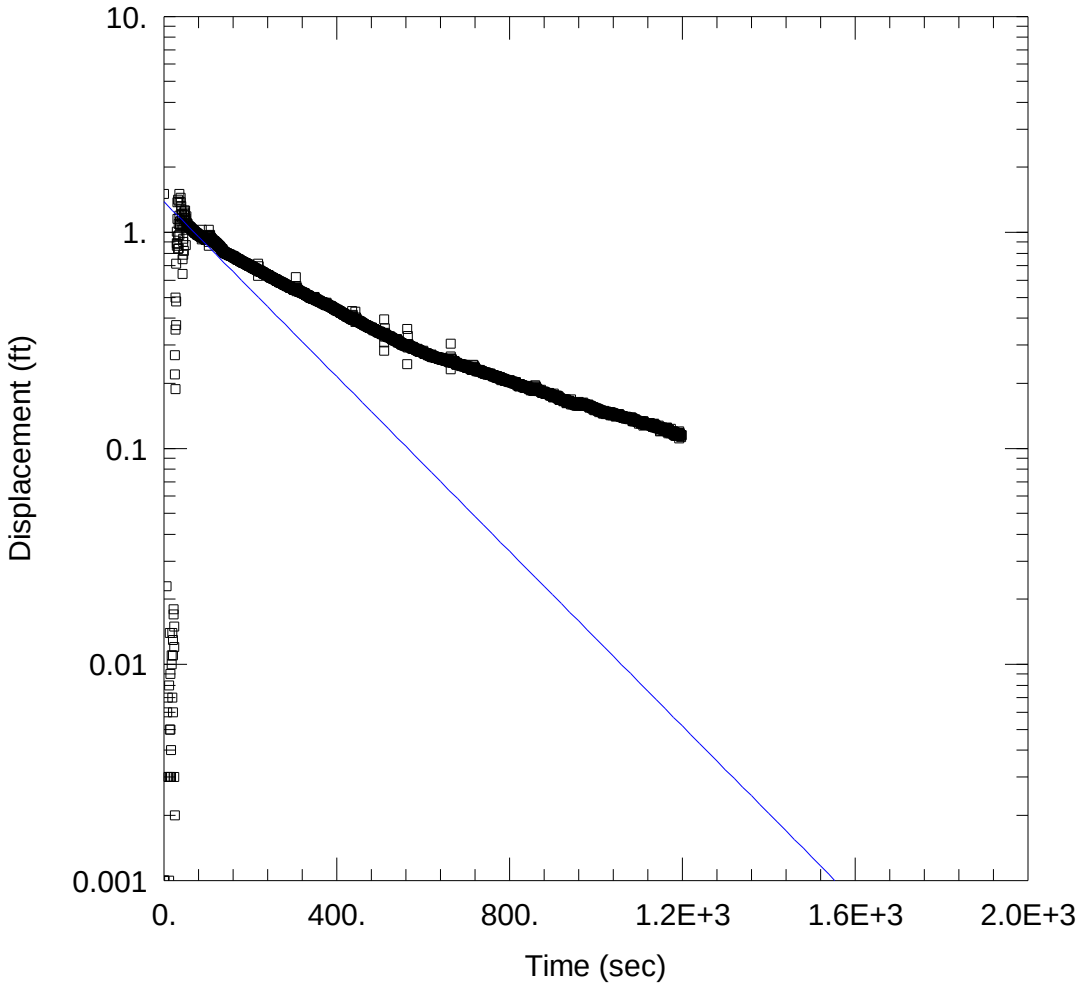
Saturated Thickness: 13. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-9A)

Initial Displacement: -3.522 ft
Total Well Penetration Depth: 20. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 13. ft
Screen Length: 20. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 3.158E-6 ft/sec
y0 = -2.365 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW9A-2SI.aqt
Date: 01/05/15 Time: 15:29:33

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 9A-2SI
Test Date: 12/1/2014

AQUIFER DATA

Saturated Thickness: 13. ft Anisotropy Ratio (Kz/Kr): 1.

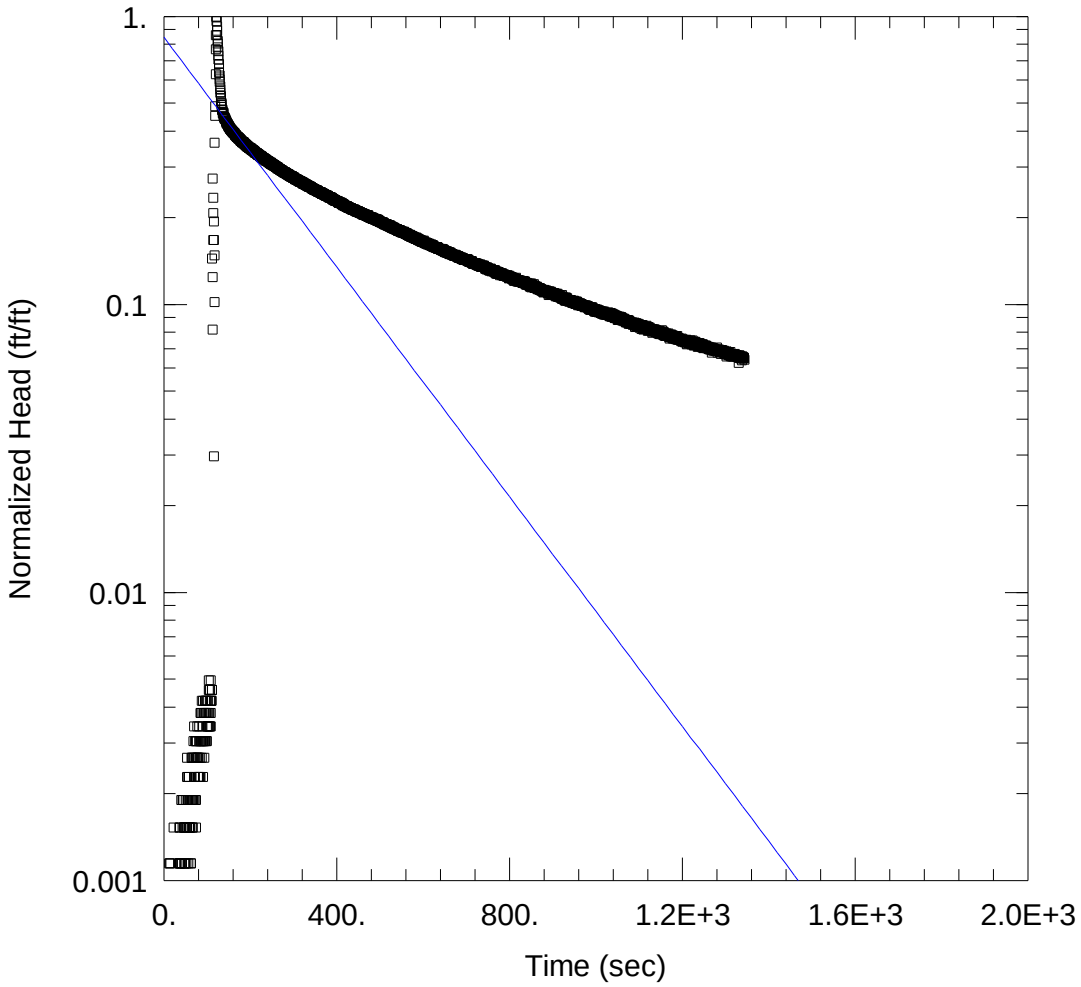
WELL DATA (MW-9A)

Initial Displacement: 1.502 ft
Total Well Penetration Depth: 20. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 13. ft
Screen Length: 20. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 3.815E-6 ft/sec y0 = 1.386 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW9A-2SO.aqt
Date: 01/05/15 Time: 15:29:57

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 9A-2SO
Test Date: 12/1/2014

AQUIFER DATA

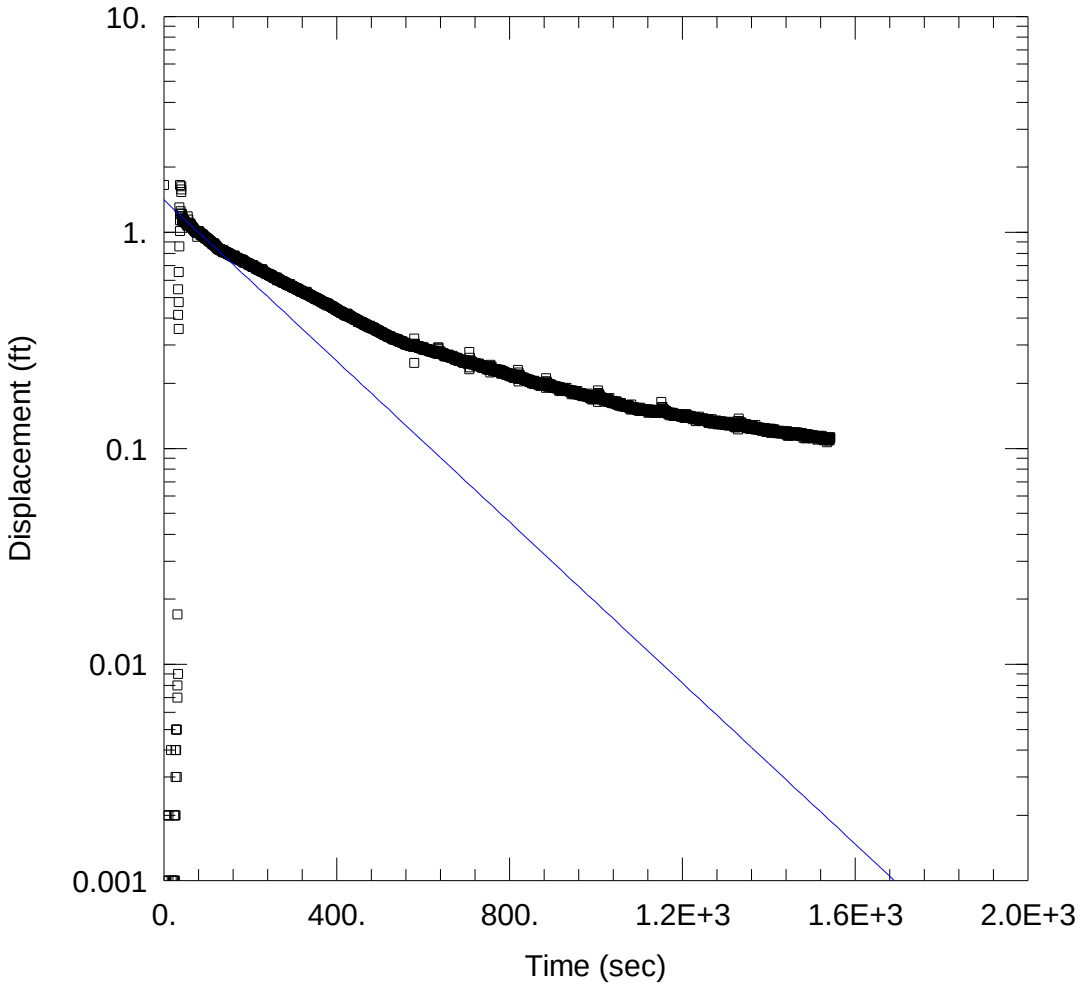
Saturated Thickness: 13. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-9A)

Initial Displacement: -2.625 ft
Total Well Penetration Depth: 20. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 13. ft
Screen Length: 20. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 3.759E-6 ft/sec
y0 = -2.218 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW9A-3SI.aqt
Date: 01/05/15 Time: 15:30:20

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 9A-3SI
Test Date: 12/1/2014

AQUIFER DATA

Saturated Thickness: 13. ft Anisotropy Ratio (Kz/Kr): 1.

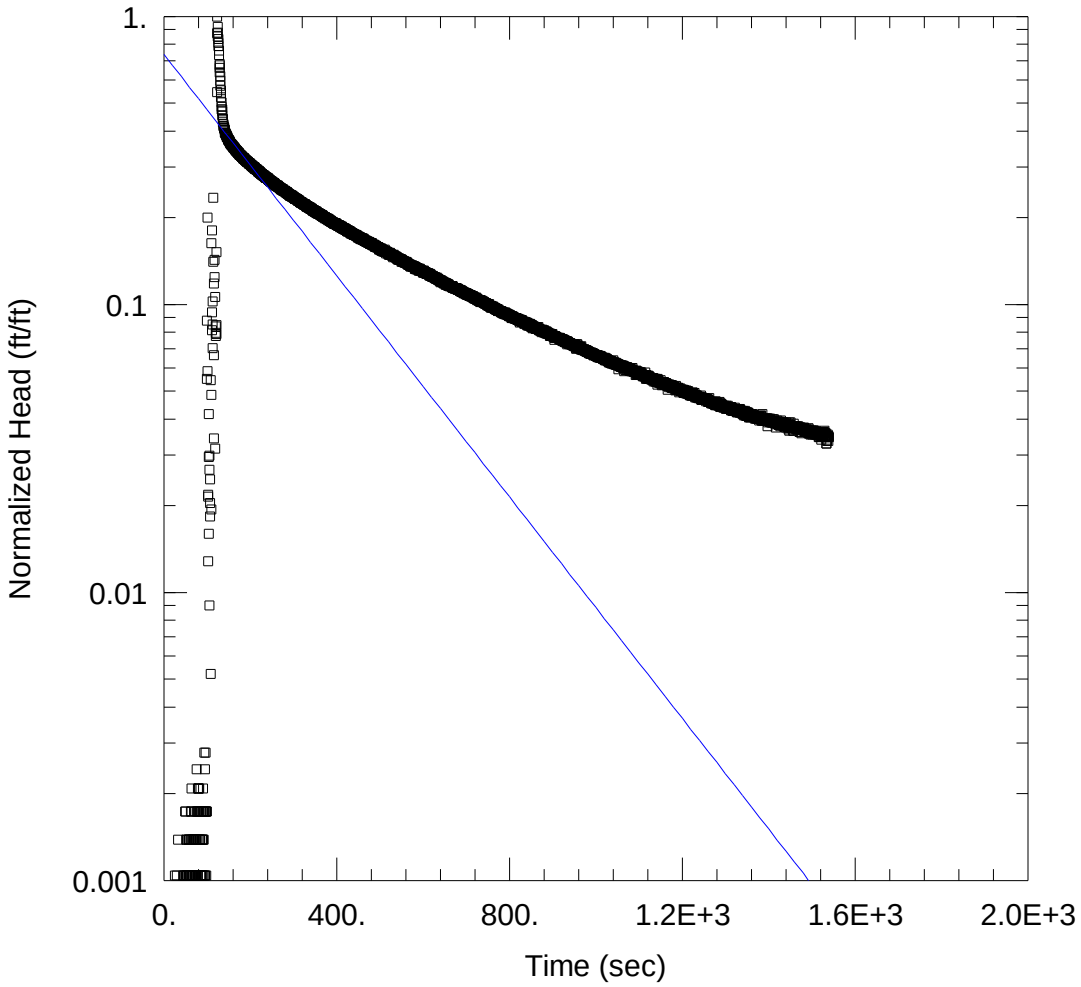
WELL DATA (MW-9A)

Initial Displacement: 1.656 ft
Total Well Penetration Depth: 20. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 13. ft
Screen Length: 20. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 3.515E-6 ft/sec y0 = 1.413 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW9A-3SO.aqt
Date: 01/05/15 Time: 15:30:40

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 9A-3SO
Test Date: 12/1/2014

AQUIFER DATA

Saturated Thickness: 13. ft Anisotropy Ratio (Kz/Kr): 1.

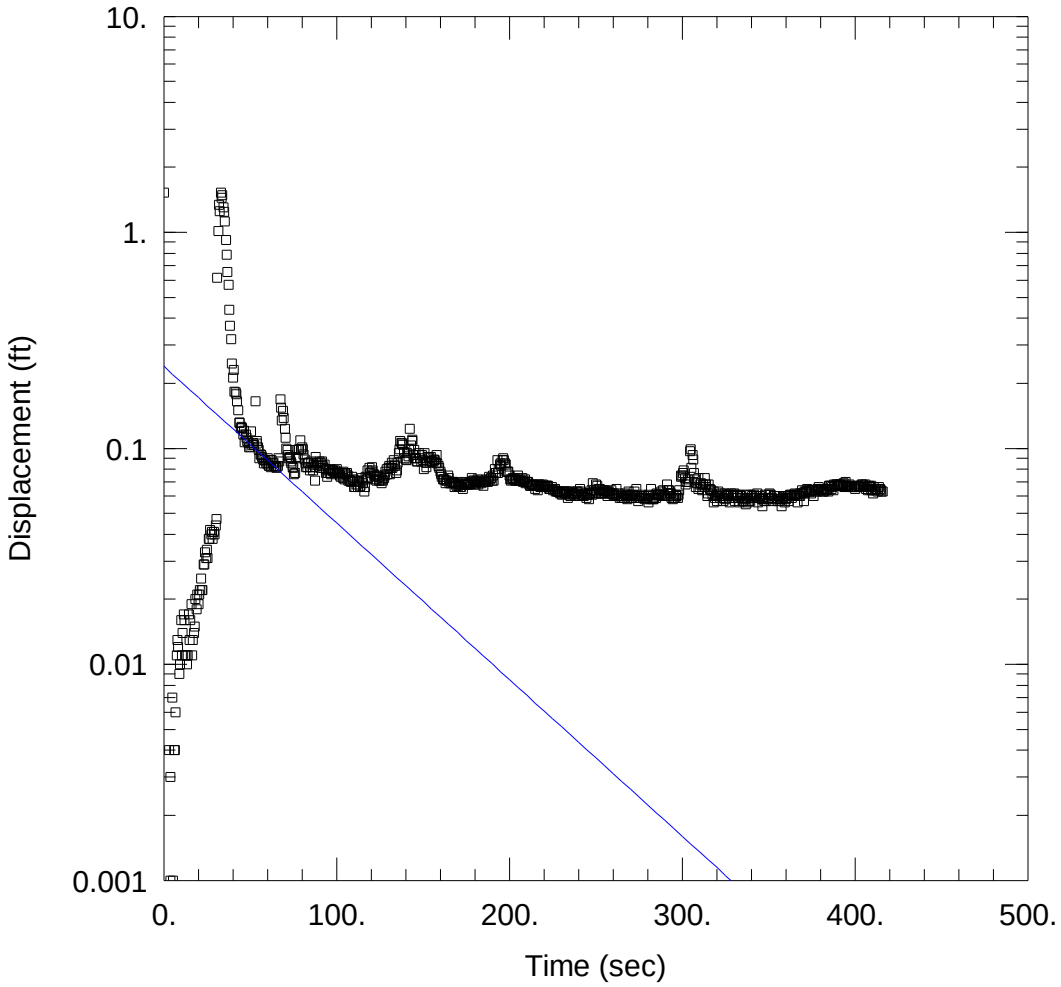
WELL DATA (MW-9A)

Initial Displacement: -2.885 ft
Total Well Penetration Depth: 20. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 13. ft
Screen Length: 20. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 3.624E-6 ft/sec y0 = -2.13 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW9B-1SI.aqt
Date: 01/05/15 Time: 15:31:04

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 9B-1SI
Test Date: 12/2/2014

AQUIFER DATA

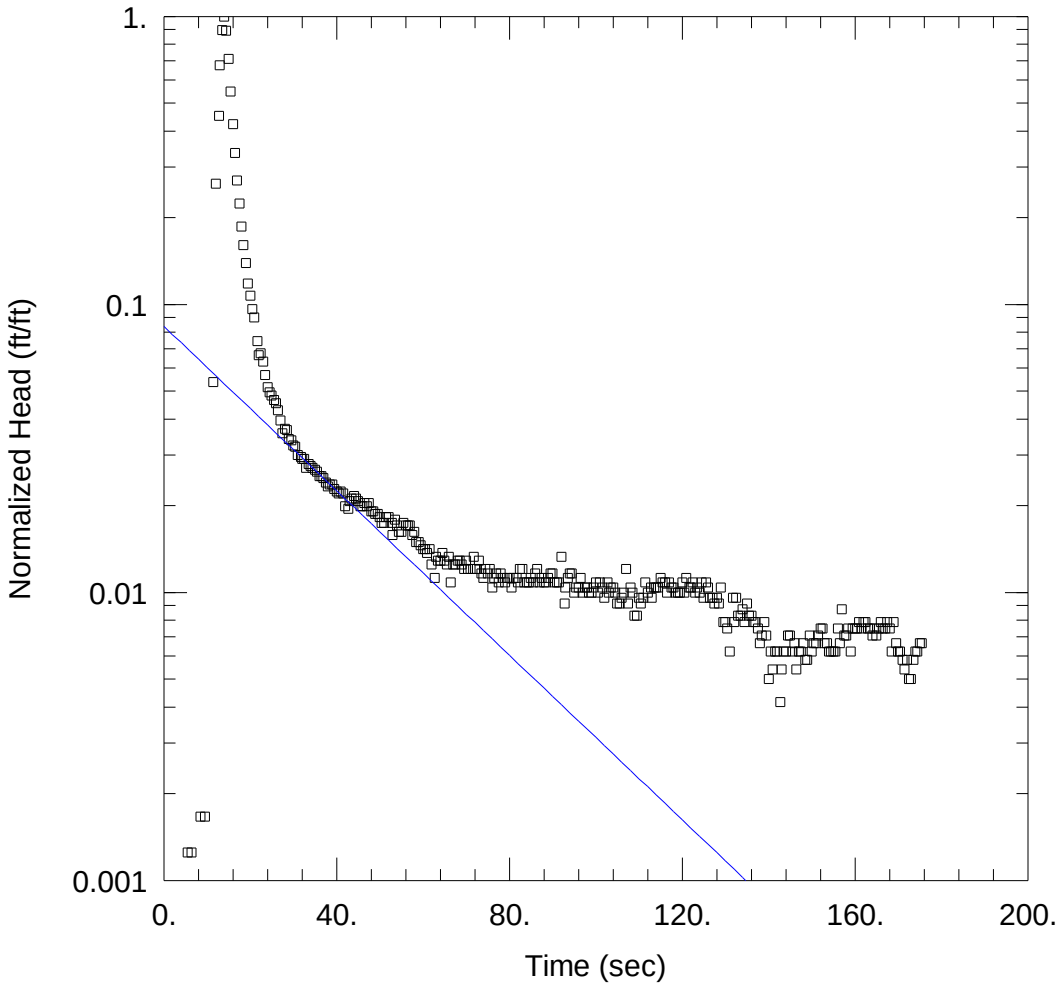
Saturated Thickness: 15. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-9B)

Initial Displacement: 1.528 ft
Total Well Penetration Depth: 37.5 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 37.5 ft
Screen Length: 15. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 1.434E-5 ft/sec
y0 = 0.2397 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW9B-1SO.aqt
Date: 01/05/15 Time: 15:31:43

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 9B-1SO
Test Date: 12/2/2014

AQUIFER DATA

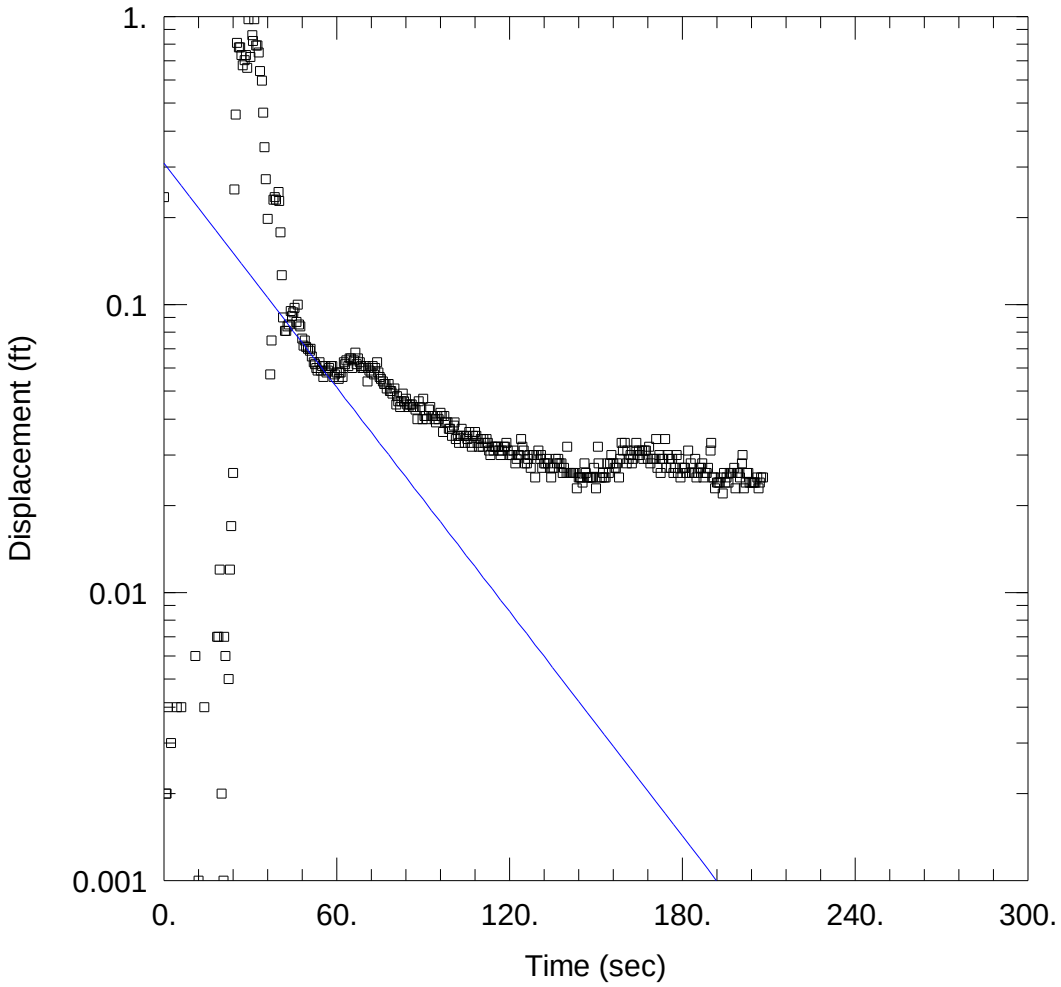
Saturated Thickness: 15. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-9B)

Initial Displacement: -2.406 ft
Total Well Penetration Depth: 37.5 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 37.5 ft
Screen Length: 15. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 2.824E-5 ft/sec
y0 = -0.202 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW9B-2SI.aqt
Date: 01/05/15 Time: 15:32:20

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 9B-2SI
Test Date: 12/2/2014

AQUIFER DATA

Saturated Thickness: 15. ft Anisotropy Ratio (Kz/Kr): 1.

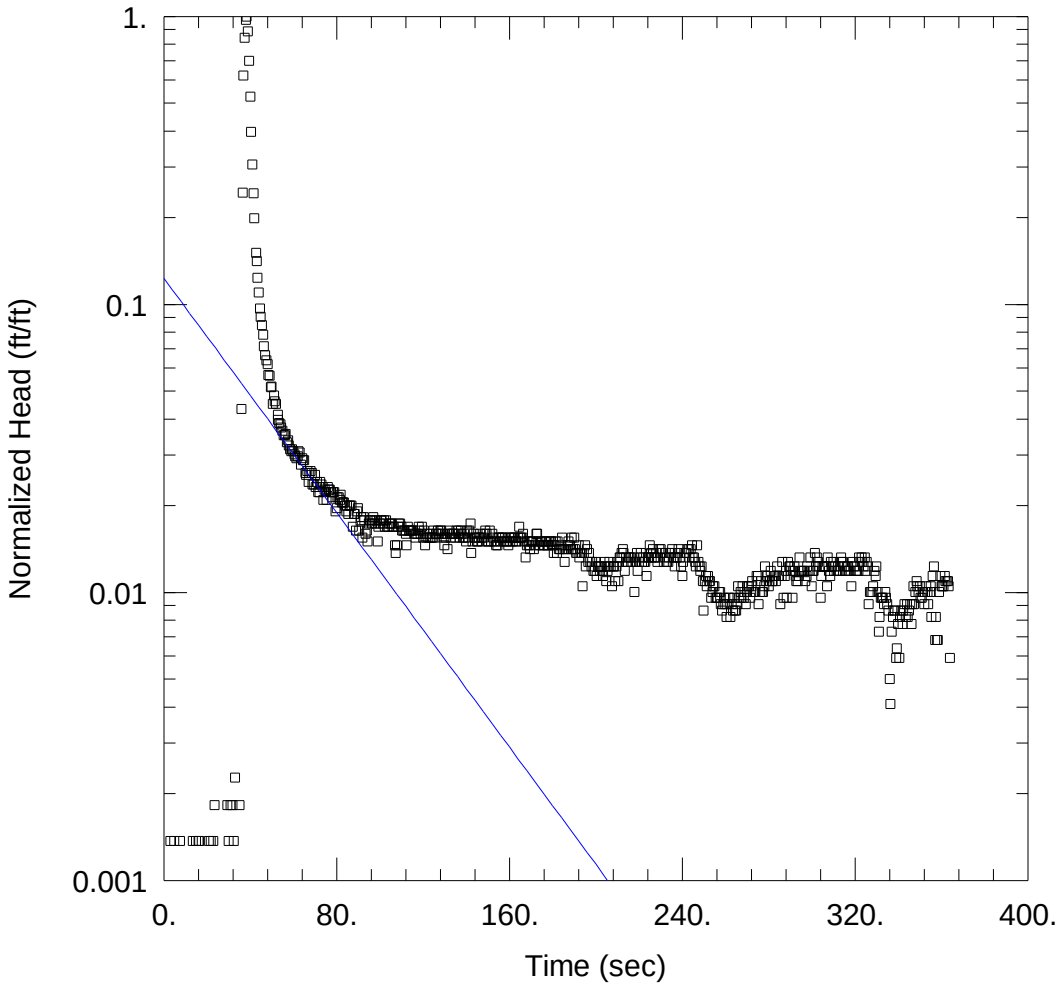
WELL DATA (MW-9B)

Initial Displacement: 0.236 ft
Total Well Penetration Depth: 37.5 ft
Casing Radius: 0.083 ft
Static Water Column Height: 37.5 ft
Screen Length: 15. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 2.547E-5 ft/sec y0 = 0.3094 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW9B-2SO.aqt
Date: 01/05/15 Time: 15:32:39

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 9B-2SO
Test Date: 12/2/2014

AQUIFER DATA

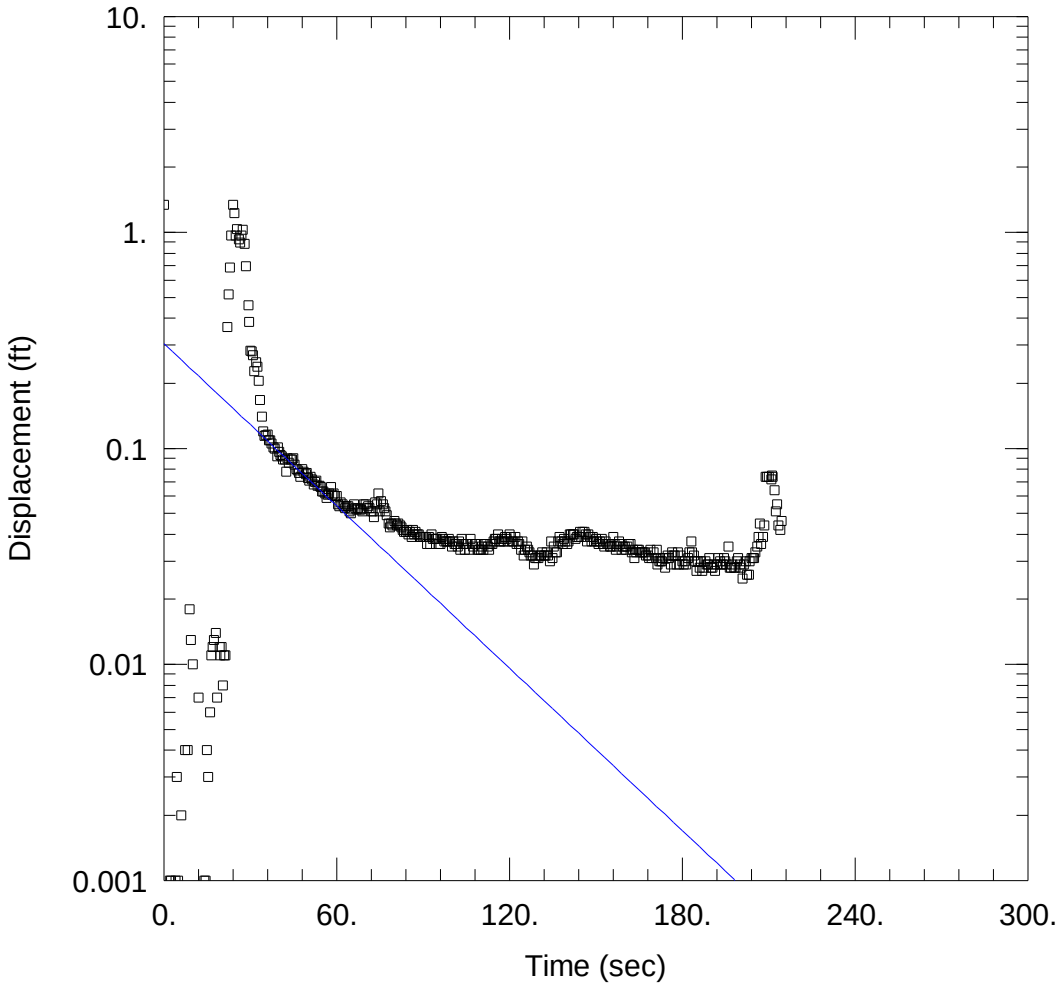
Saturated Thickness: 15. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-9B)

Initial Displacement: -2.195 ft
Total Well Penetration Depth: 37.5 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 37.5 ft
Screen Length: 15. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 2.012E-5 ft/sec
y0 = -0.2706 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW9B-3SI.aqt
Date: 01/05/15 Time: 15:32:59

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 9B-3SI
Test Date: 12/2/2014

AQUIFER DATA

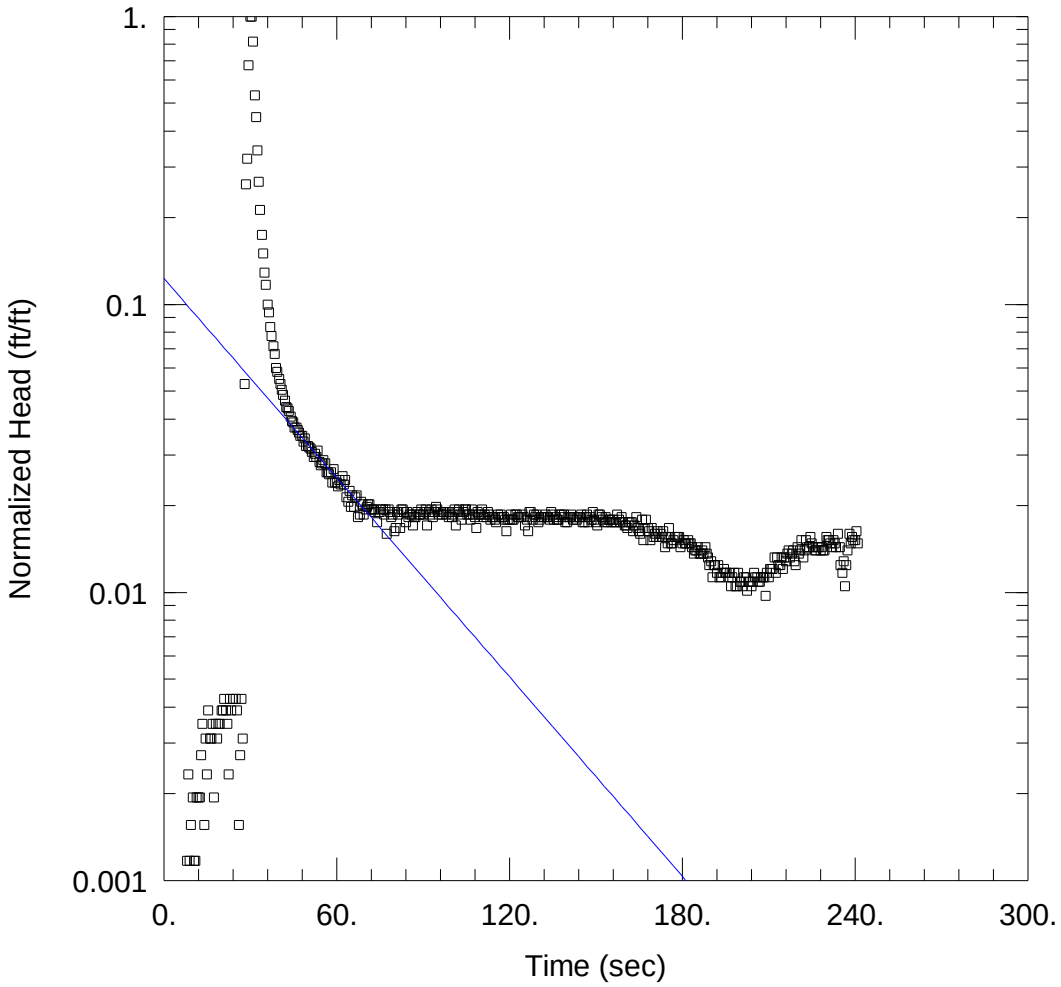
Saturated Thickness: 15. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-9B)

Initial Displacement: 1.345 ft
Total Well Penetration Depth: 37.5 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 37.5 ft
Screen Length: 15. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 2.477E-5 ft/sec
y0 = 0.3059 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW9B-3SO.aqt
Date: 01/05/15 Time: 15:33:36

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 9B-3SO
Test Date: 12/2/2014

AQUIFER DATA

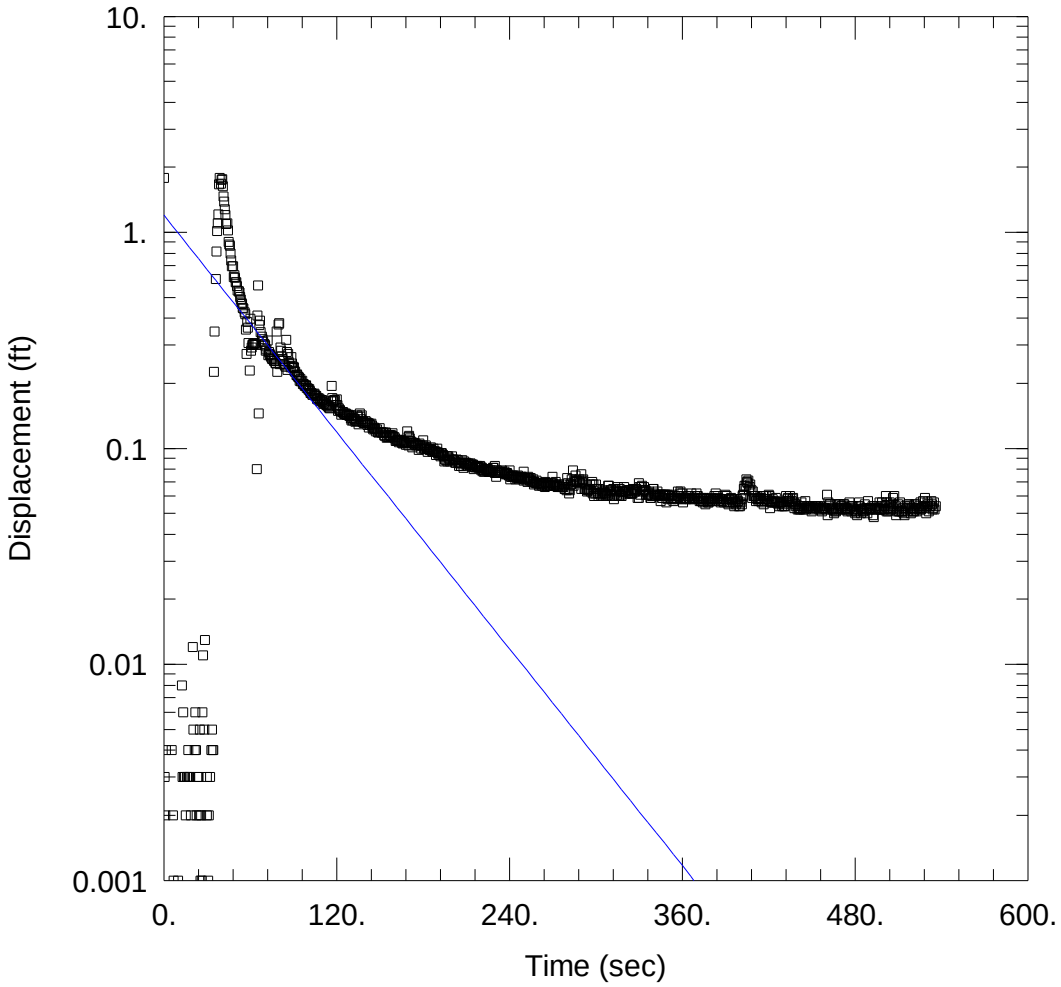
Saturated Thickness: 15. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-9B)

Initial Displacement: -2.573 ft
Total Well Penetration Depth: 37.5 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 37.5 ft
Screen Length: 15. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 2.28E-5 ft/sec
y0 = -0.3168 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW10A-1SI.aqt
Date: 01/05/15 Time: 15:35:24

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 10A-1SI
Test Date: 12/2/2014

AQUIFER DATA

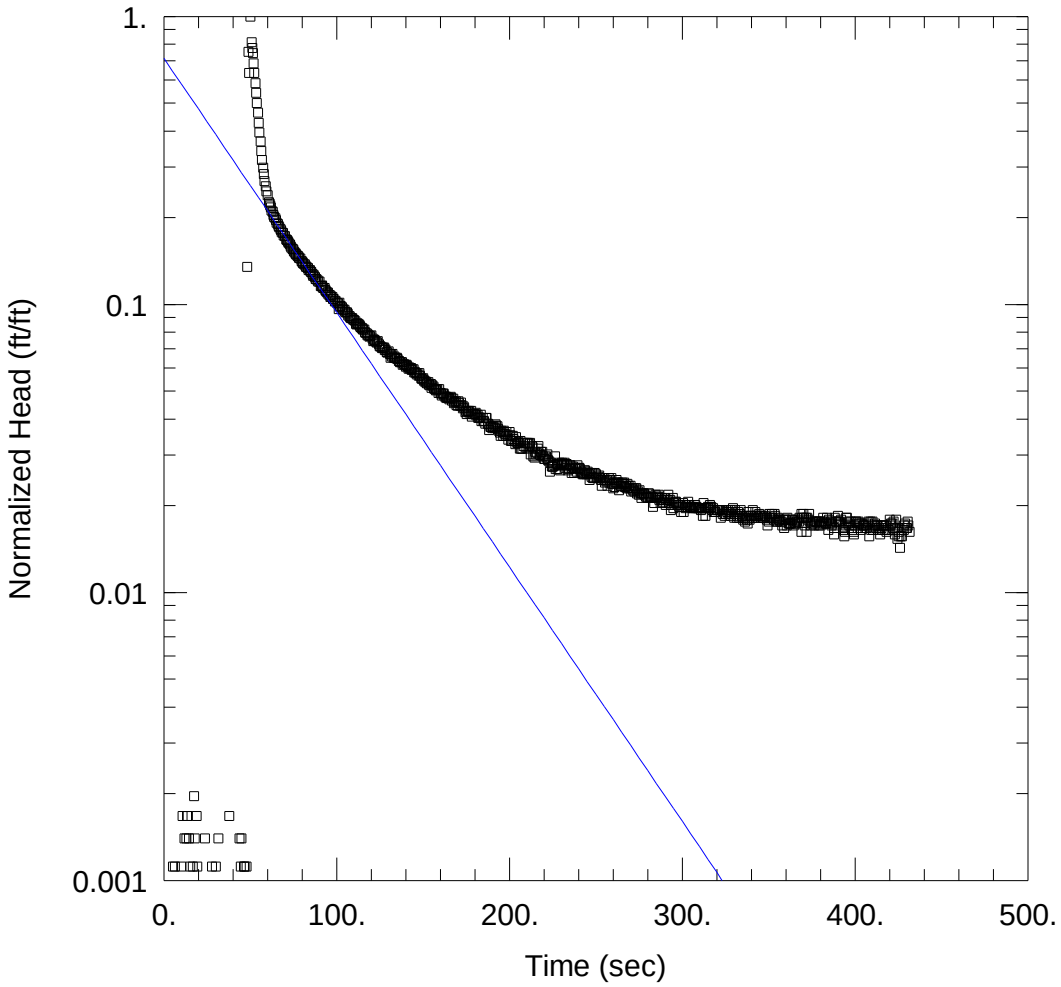
Saturated Thickness: 19. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-10A)

Initial Displacement: 1.784 ft
Total Well Penetration Depth: 20. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 19. ft
Screen Length: 20. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 1.104E-5 ft/sec
y0 = 1.202 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW10A-1SO.aqt
Date: 01/05/15 Time: 15:35:52

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 10A-1SO
Test Date: 12/2/2014

AQUIFER DATA

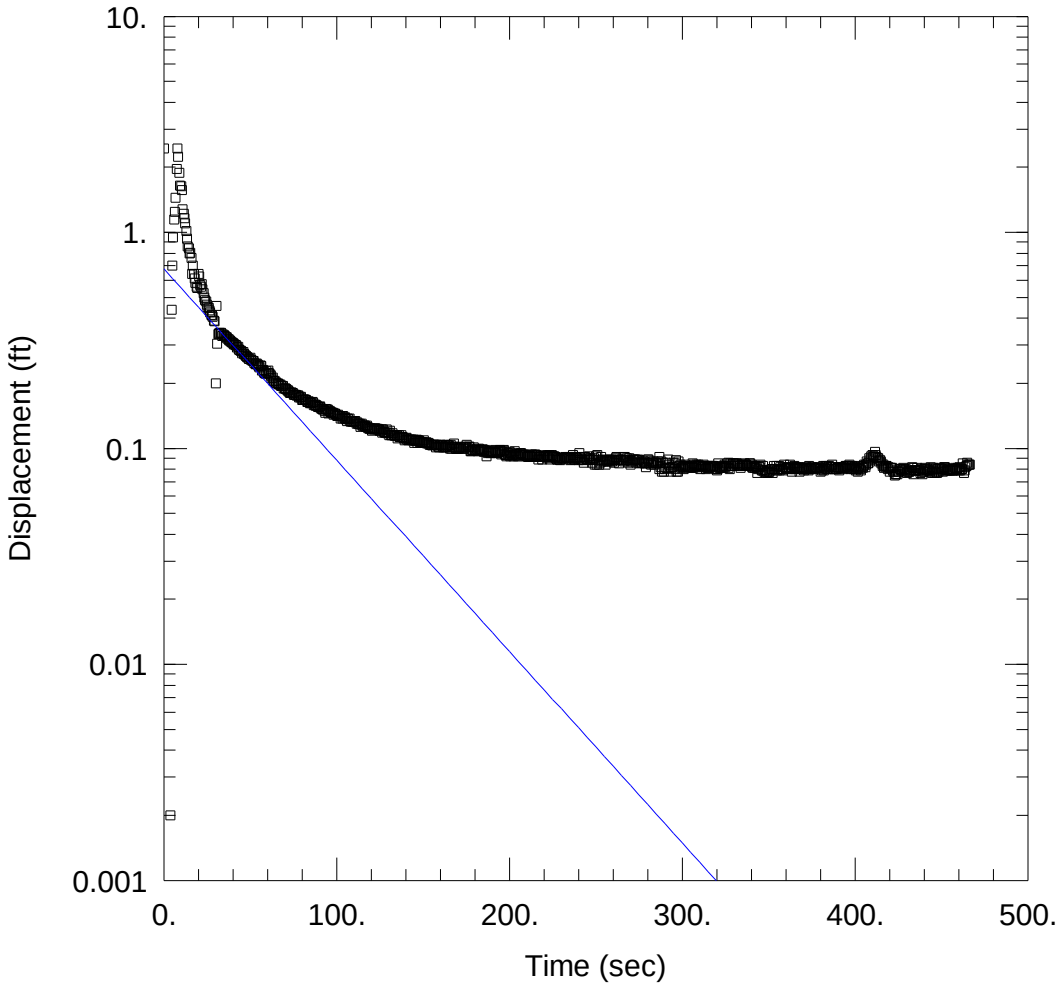
Saturated Thickness: 19. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-10A)

Initial Displacement: -3.579 ft
Total Well Penetration Depth: 20. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 19. ft
Screen Length: 20. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 1.166E-5 ft/sec
y0 = -2.562 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW10A-2SI.aqt
Date: 01/05/15 Time: 15:36:18

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 10A-2SI
Test Date: 12/2/2014

AQUIFER DATA

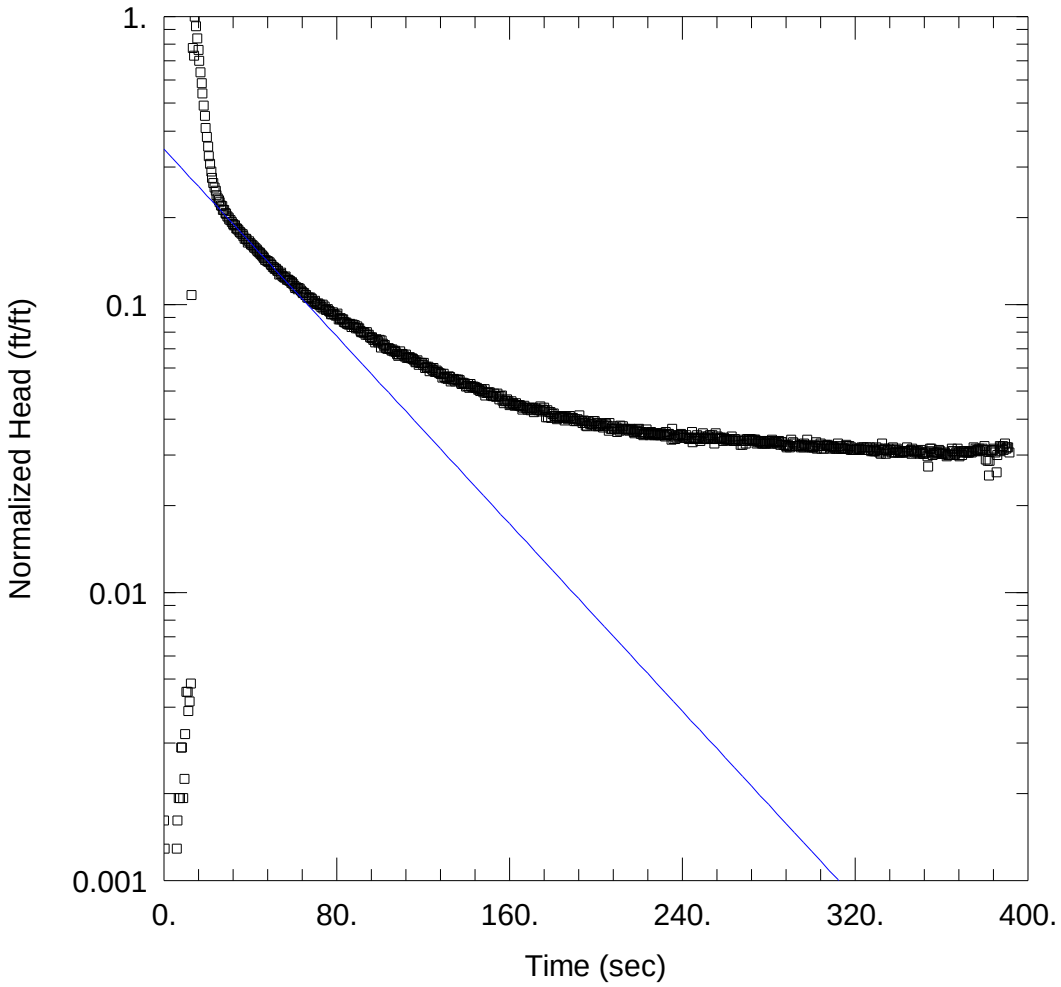
Saturated Thickness: 19. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW=10A)

Initial Displacement: 2.44 ft
Total Well Penetration Depth: 20. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 19. ft
Screen Length: 20. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 1.169E-5 ft/sec
y0 = 0.678 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW10A-2SO.aqt
Date: 01/05/15 Time: 15:37:25

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 10A-2SO
Test Date: 12/2/2014

AQUIFER DATA

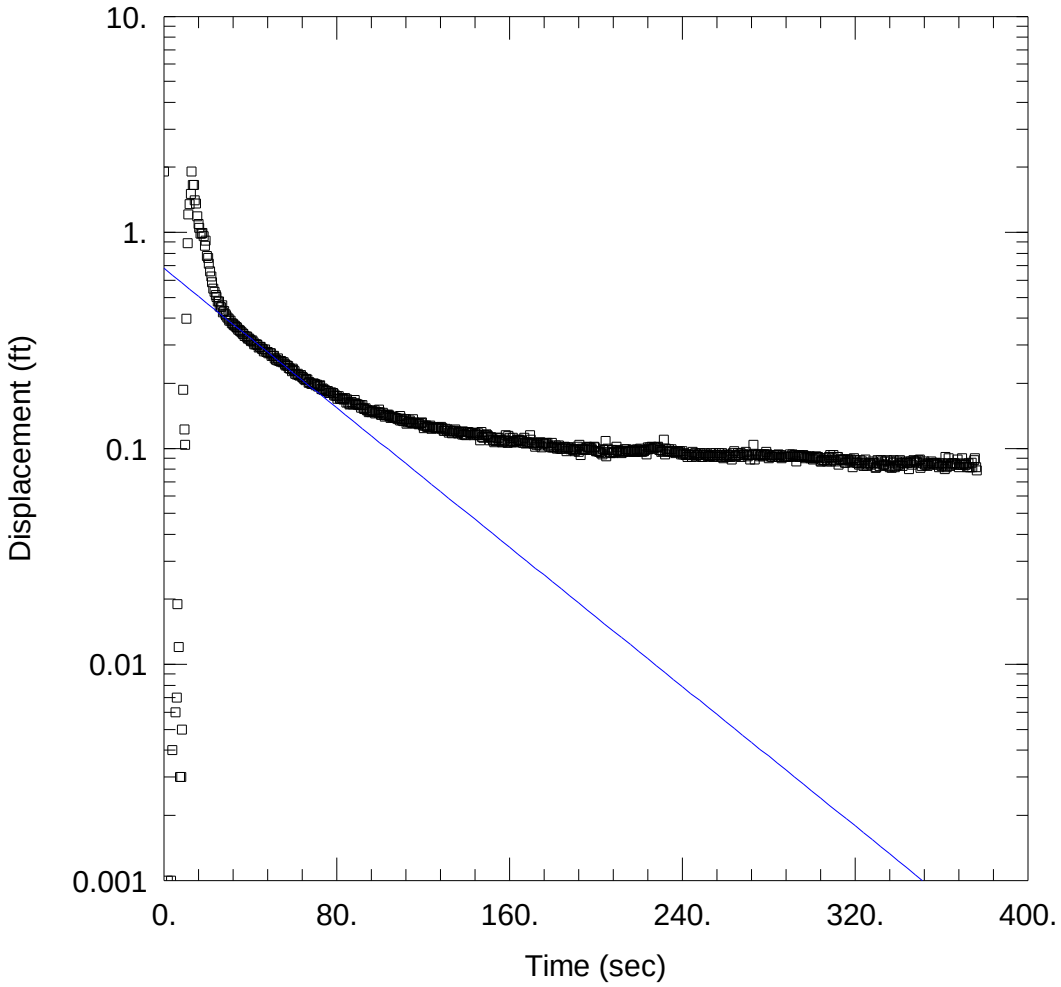
Saturated Thickness: 19. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-10A)

Initial Displacement: -3.106 ft
Total Well Penetration Depth: 20. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 19. ft
Screen Length: 20. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 1.074E-5 ft/sec
y0 = -1.076 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW10A-3SI.aqt
Date: 01/05/15 Time: 15:37:48

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 10A-3SI
Test Date: 12/2/2014

AQUIFER DATA

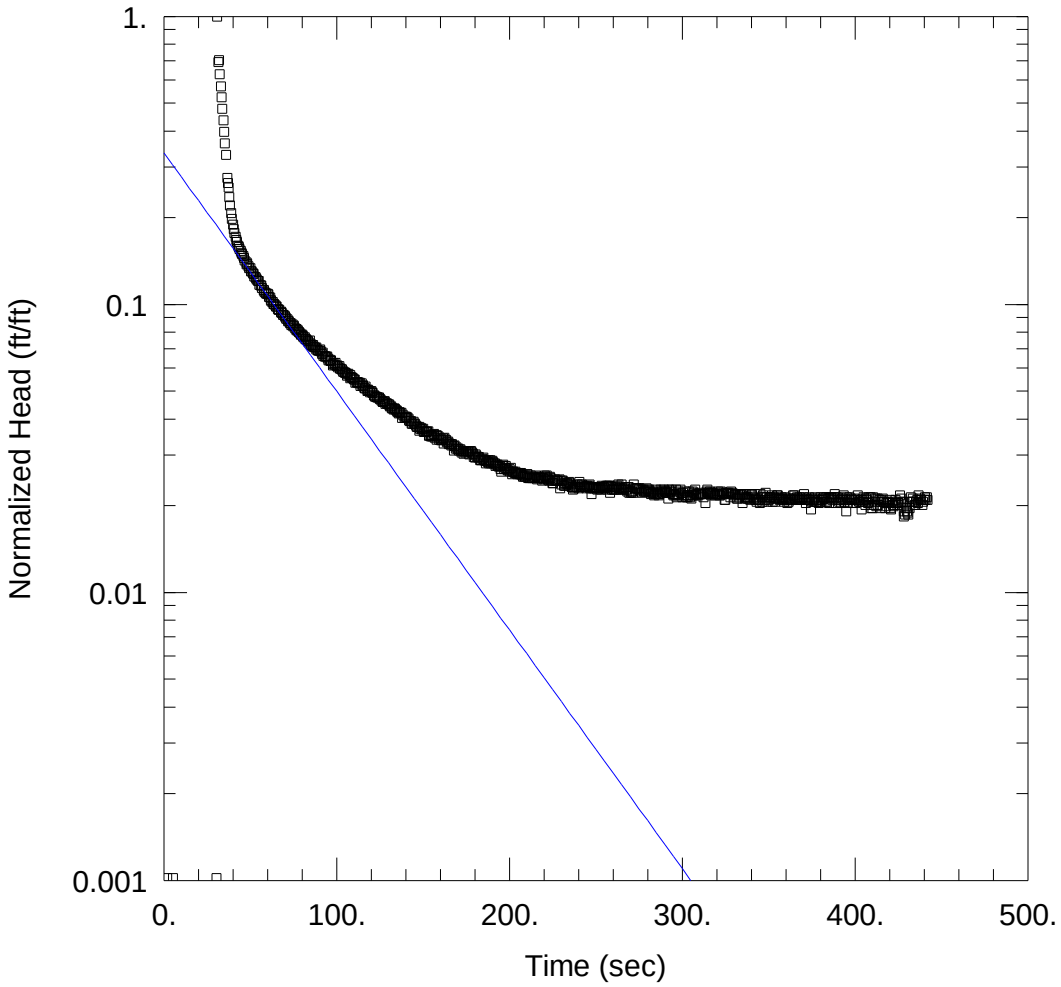
Saturated Thickness: 19. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-10A)

Initial Displacement: 1.909 ft
Total Well Penetration Depth: 20. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 19. ft
Screen Length: 20. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 1.065E-5 ft/sec
y0 = 0.6804 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW10A-3SO.aqt
Date: 01/05/15 Time: 15:38:10

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 10A-3SO
Test Date: 12/2/2014

AQUIFER DATA

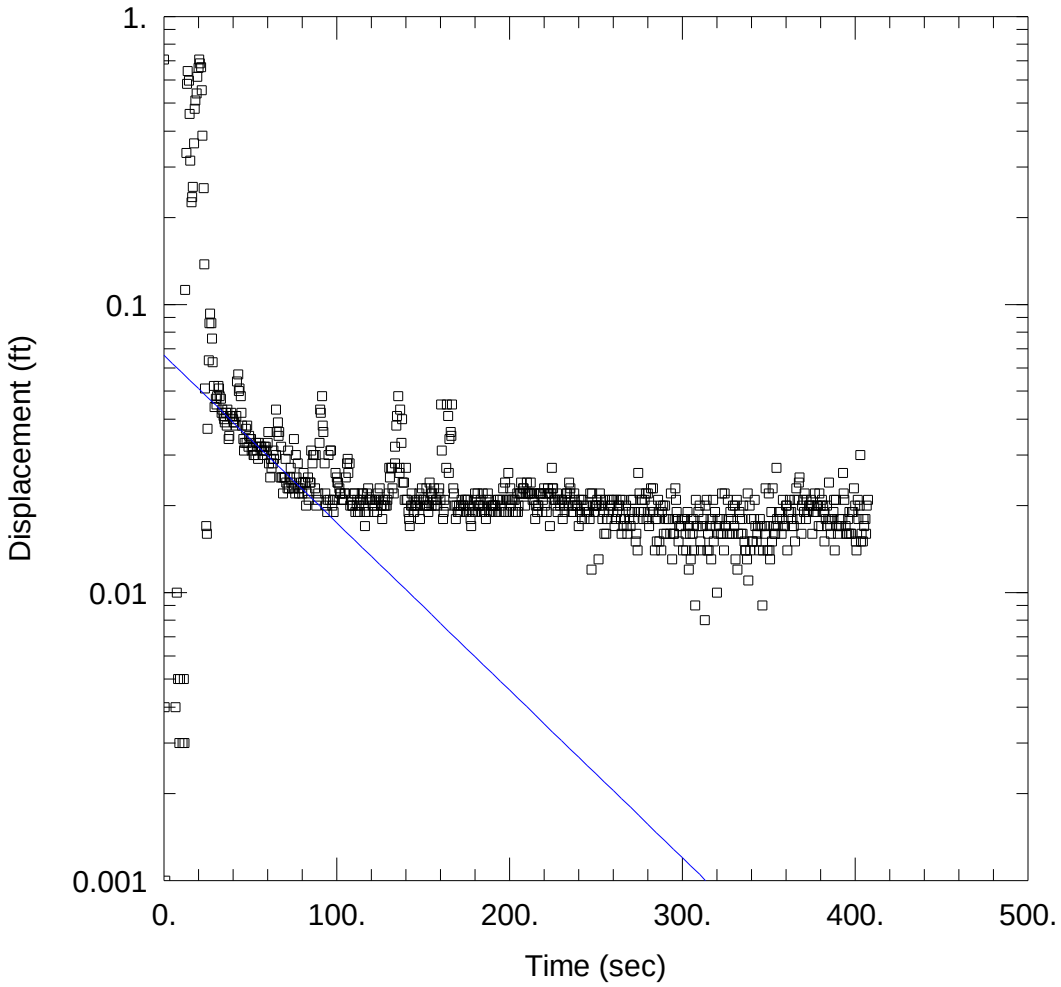
Saturated Thickness: 19. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-10A)

Initial Displacement: -3.922 ft
Total Well Penetration Depth: 20. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 19. ft
Screen Length: 20. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 1.094E-5 ft/sec
y0 = -1.318 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW10B-1SI.aqt
Date: 01/05/15 Time: 15:38:56

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 10B-1SI
Test Date: 12/3/2014

AQUIFER DATA

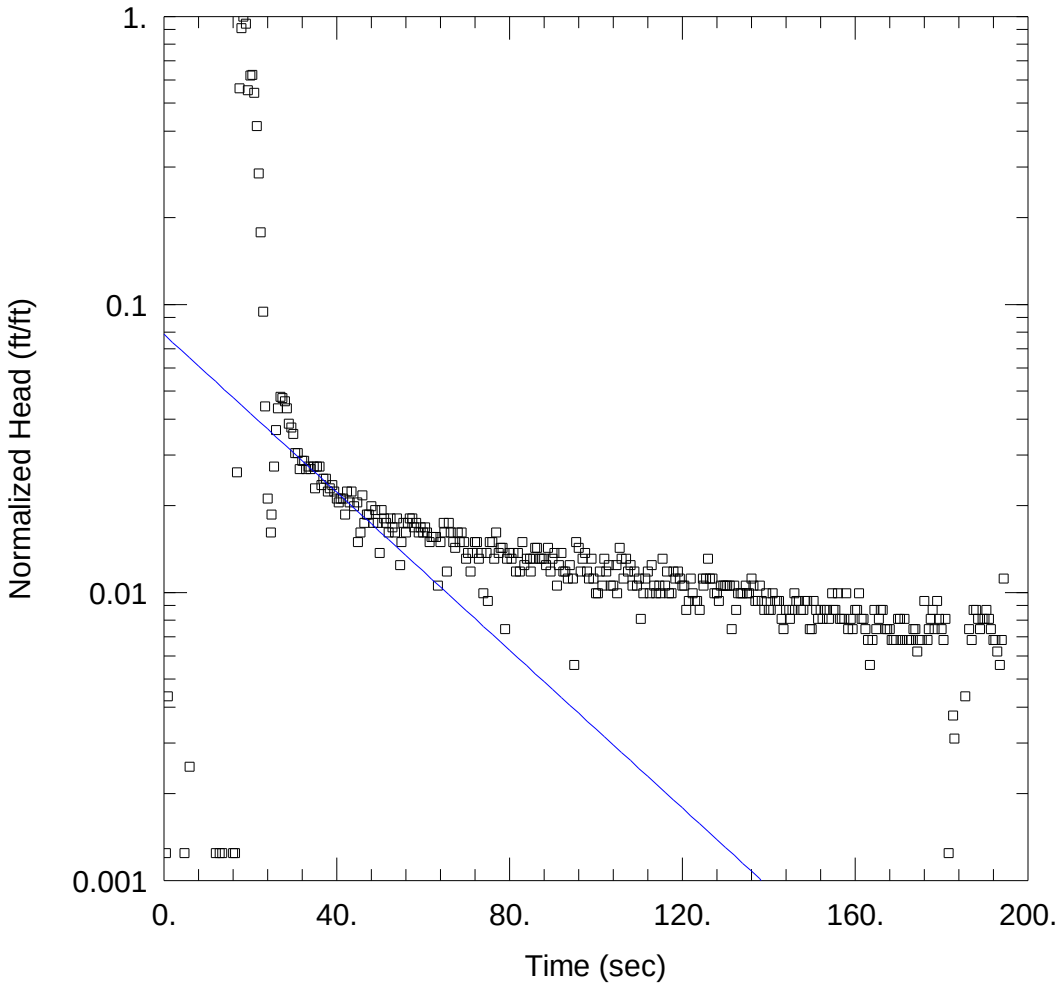
Saturated Thickness: 20. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-10B)

Initial Displacement: 0.708 ft
Total Well Penetration Depth: 44. ft
Casing Radius: 0.833 ft
Static Water Column Height: 44.5 ft
Screen Length: 15. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 0.001179 ft/sec
y0 = 0.06663 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW10B-1SO.aqt
Date: 01/05/15 Time: 15:39:18

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 10B-1SO
Test Date: 12/3/2014

AQUIFER DATA

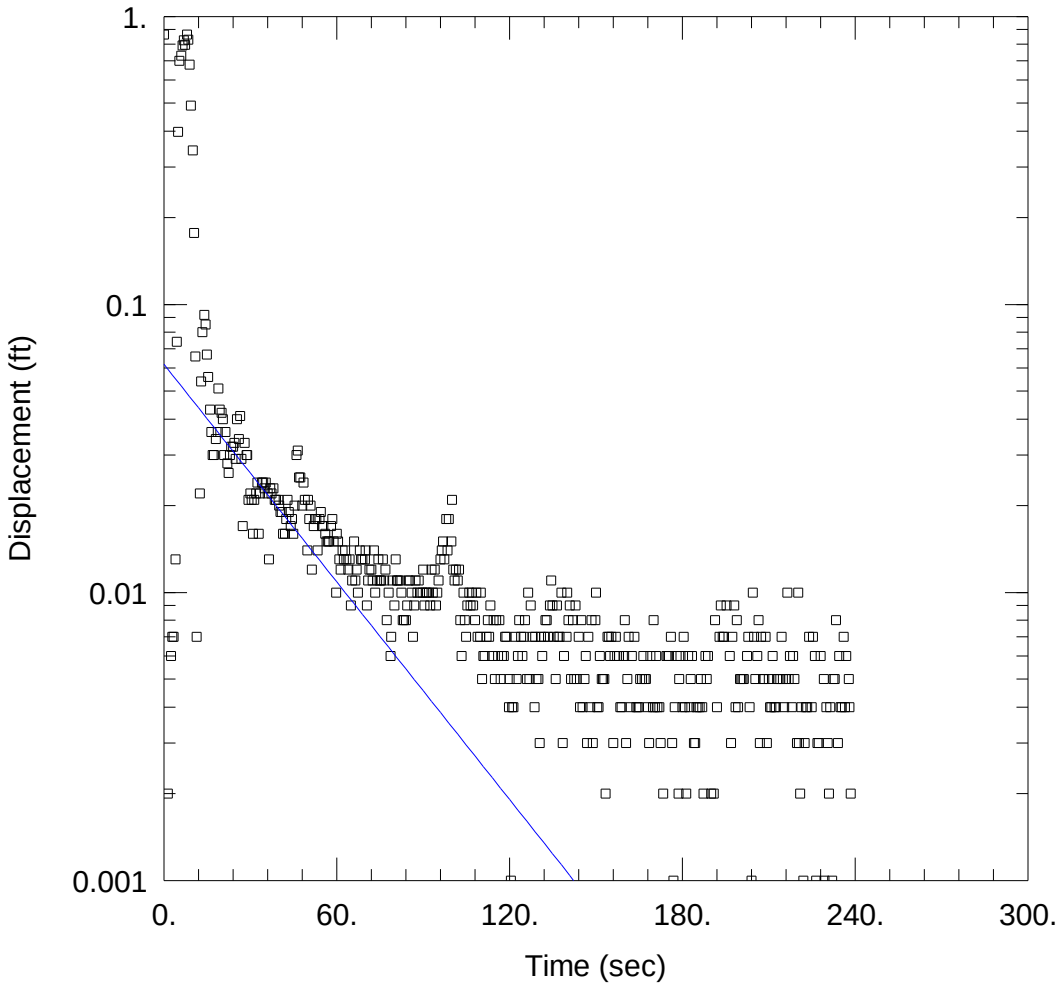
Saturated Thickness: 20. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-10B)

Initial Displacement: -1.609 ft
Total Well Penetration Depth: 44.5 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 44.5 ft
Screen Length: 15. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 2.784E-5 ft/sec
y0 = -0.1266 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW10B-2SI.aqt
Date: 01/05/15 Time: 15:39:44

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 10B-2SI
Test Date: 12/3/2014

AQUIFER DATA

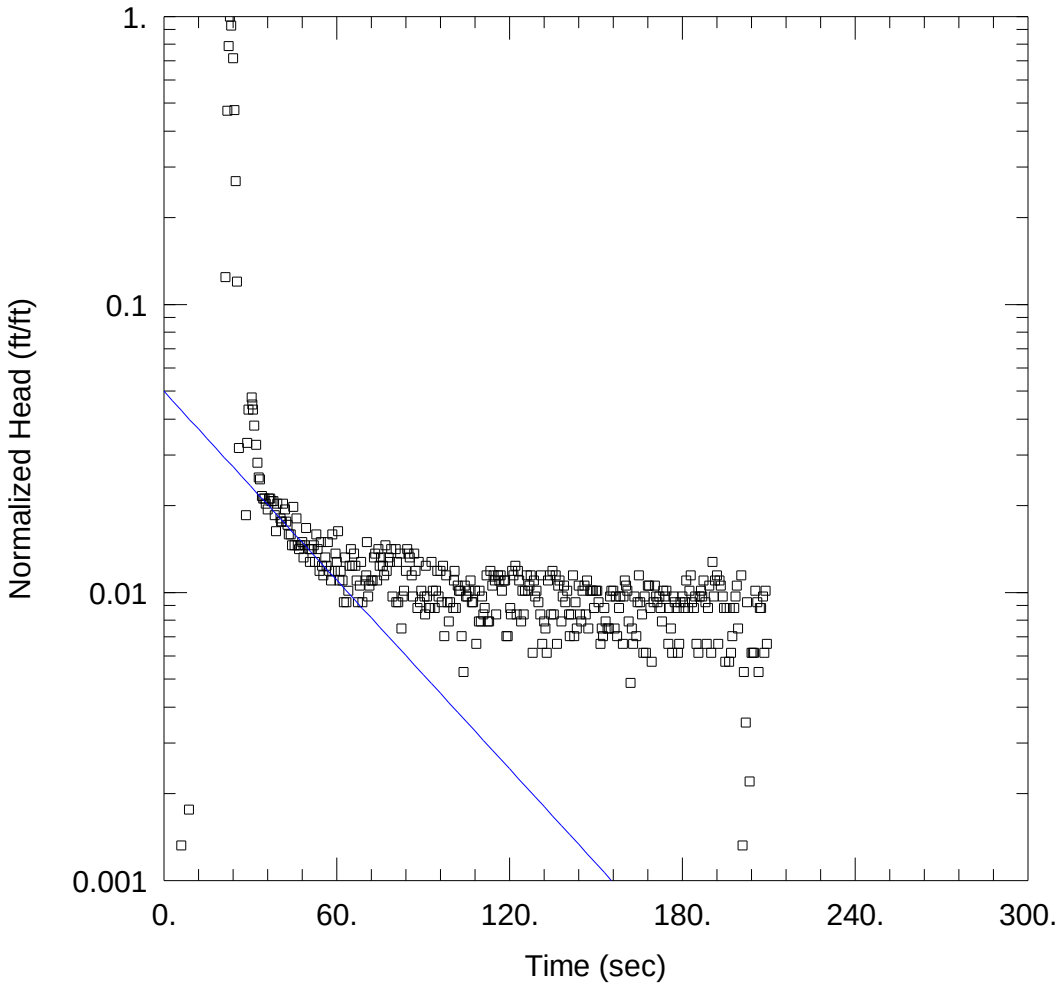
Saturated Thickness: 20. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-10B)

Initial Displacement: 0.865 ft
Total Well Penetration Depth: 44.5 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 44.5 ft
Screen Length: 15. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 2.559E-5 ft/sec
y0 = 0.06203 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW10B-2SO.aqt
Date: 01/05/15 Time: 15:40:03

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 10B-2SO
Test Date: 12/3/2014

AQUIFER DATA

Saturated Thickness: 20. ft
Anisotropy Ratio (Kz/Kr): 1.

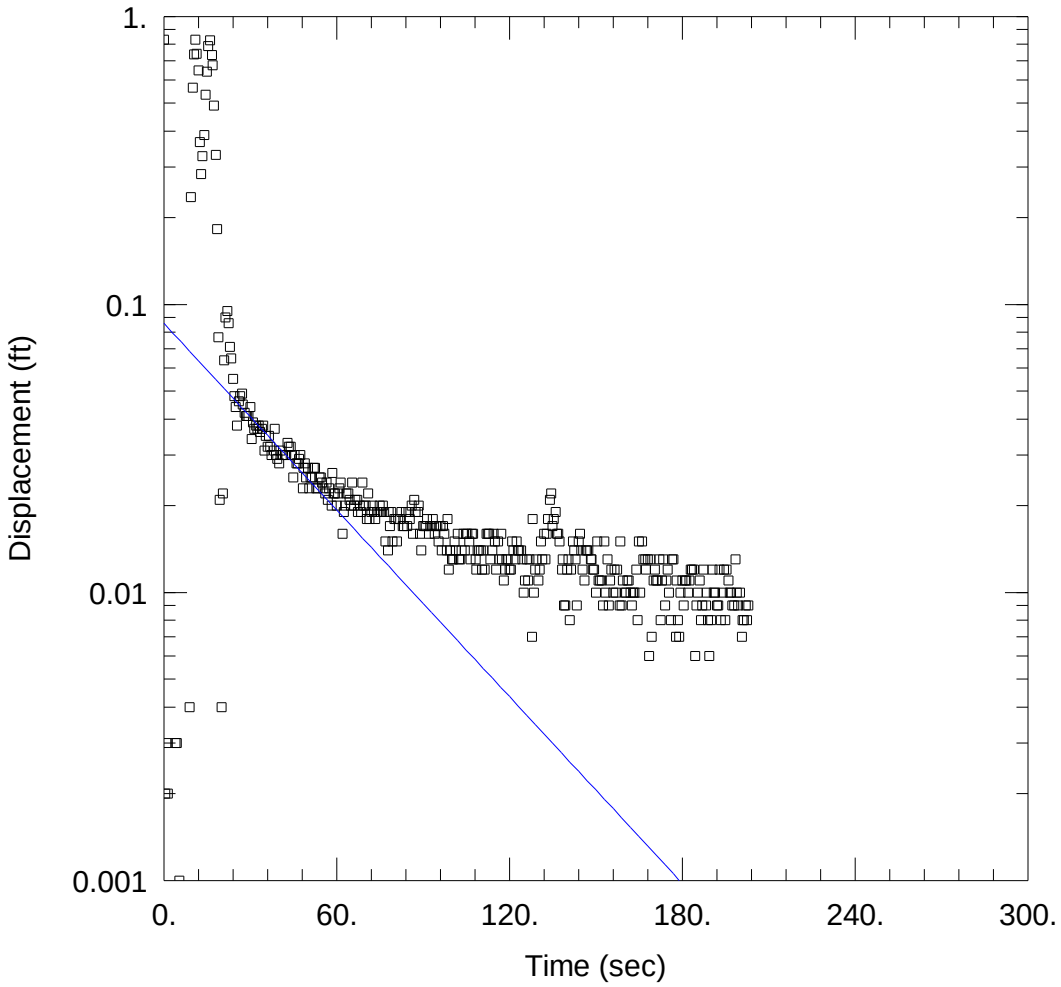
WELL DATA (MW-10B)

Initial Displacement: -2.27 ft
Total Well Penetration Depth: 44.5 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 44.5 ft
Screen Length: 15. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice

K = 2.219E-5 ft/sec
y0 = -0.1132 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW10B-3SI.aqt
Date: 01/05/15 Time: 15:40:23

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 10B-3SI
Test Date: 12/3/2014

AQUIFER DATA

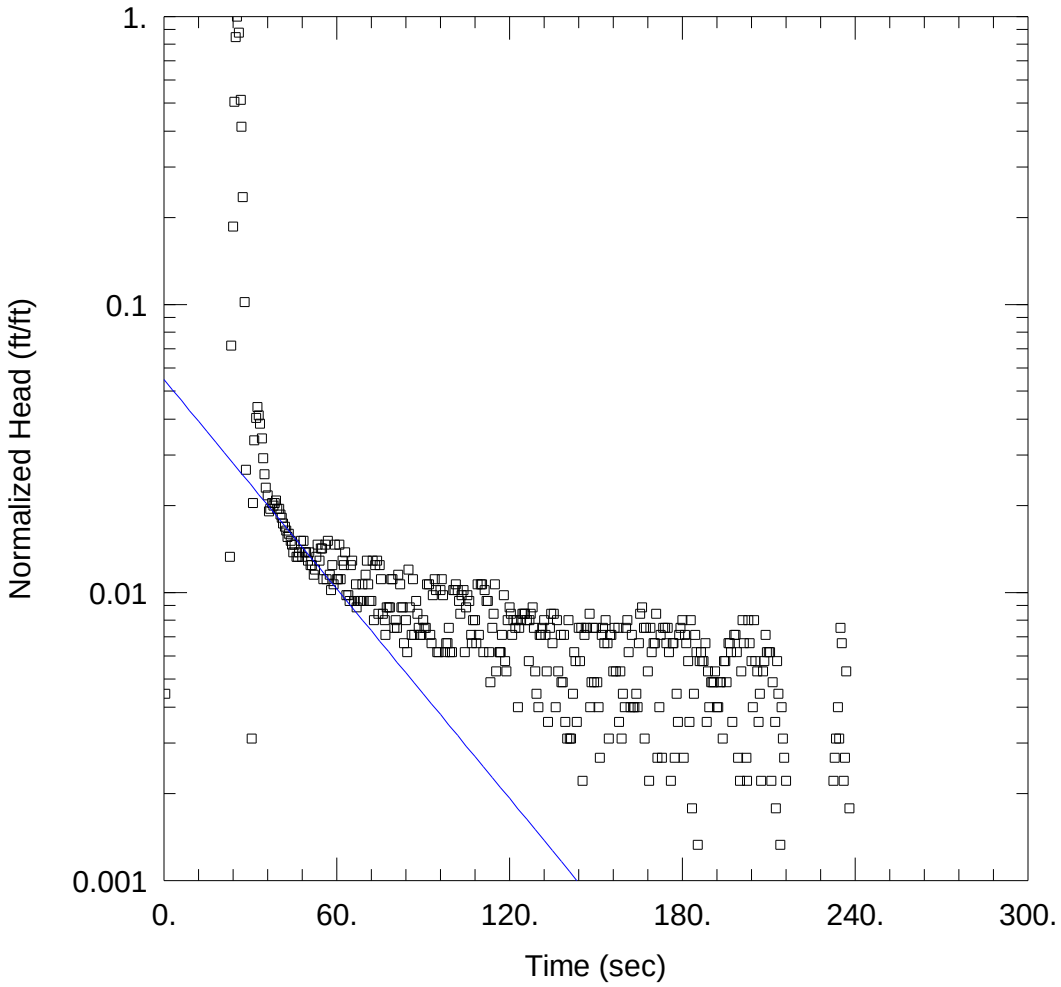
Saturated Thickness: 20. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-10B)

Initial Displacement: 0.829 ft
Total Well Penetration Depth: 44.5 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 44.5 ft
Screen Length: 15. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 2.194E-5 ft/sec
y0 = 0.08584 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW10B-3SO.aqt
Date: 01/05/15 Time: 15:40:48

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 10B-3SO
Test Date: 12/3/2014

AQUIFER DATA

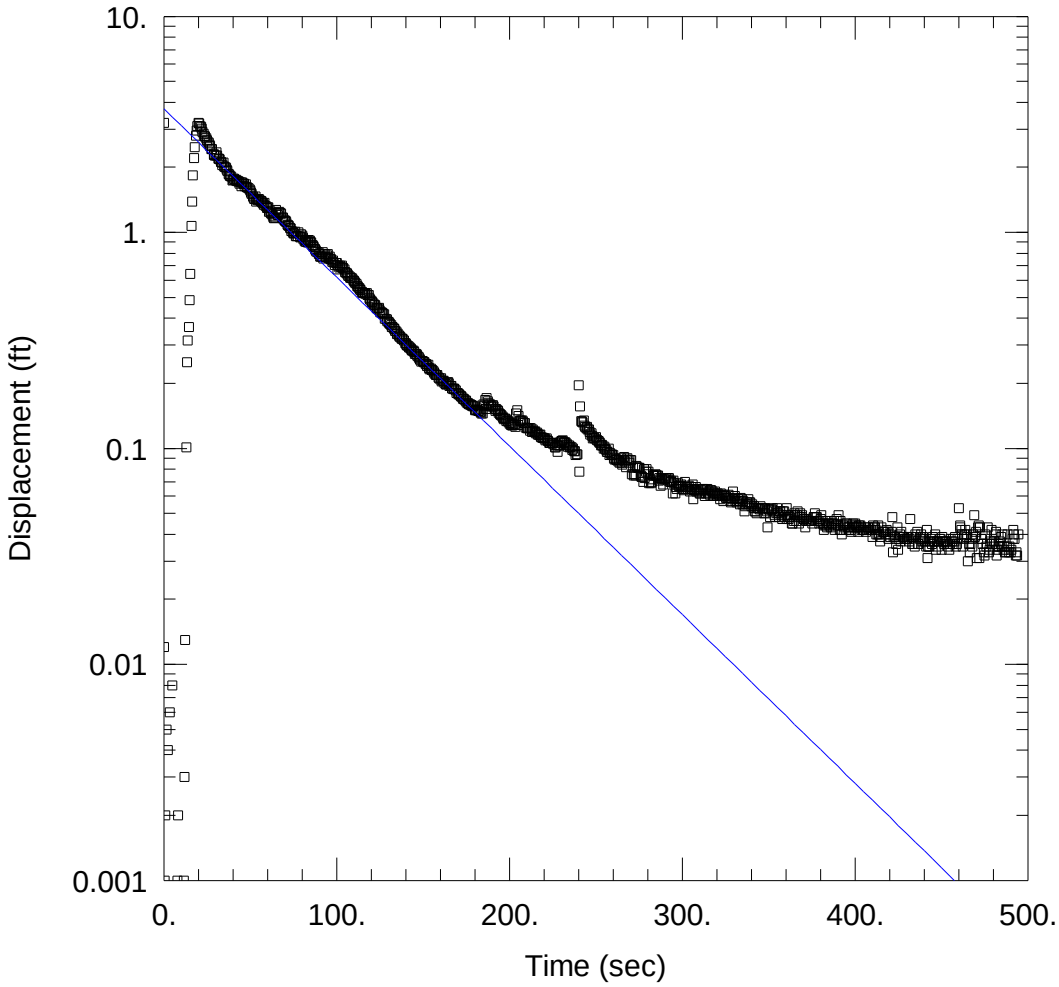
Saturated Thickness: 20. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-10B)

Initial Displacement: -2.254 ft
Total Well Penetration Depth: 44.5 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 44.5 ft
Screen Length: 15. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 2.464E-5 ft/sec
y0 = -0.1238 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW11A-1SI.aqt
Date: 01/05/15 Time: 15:41:13

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 11A-1SI
Test Date: 12/2/2014

AQUIFER DATA

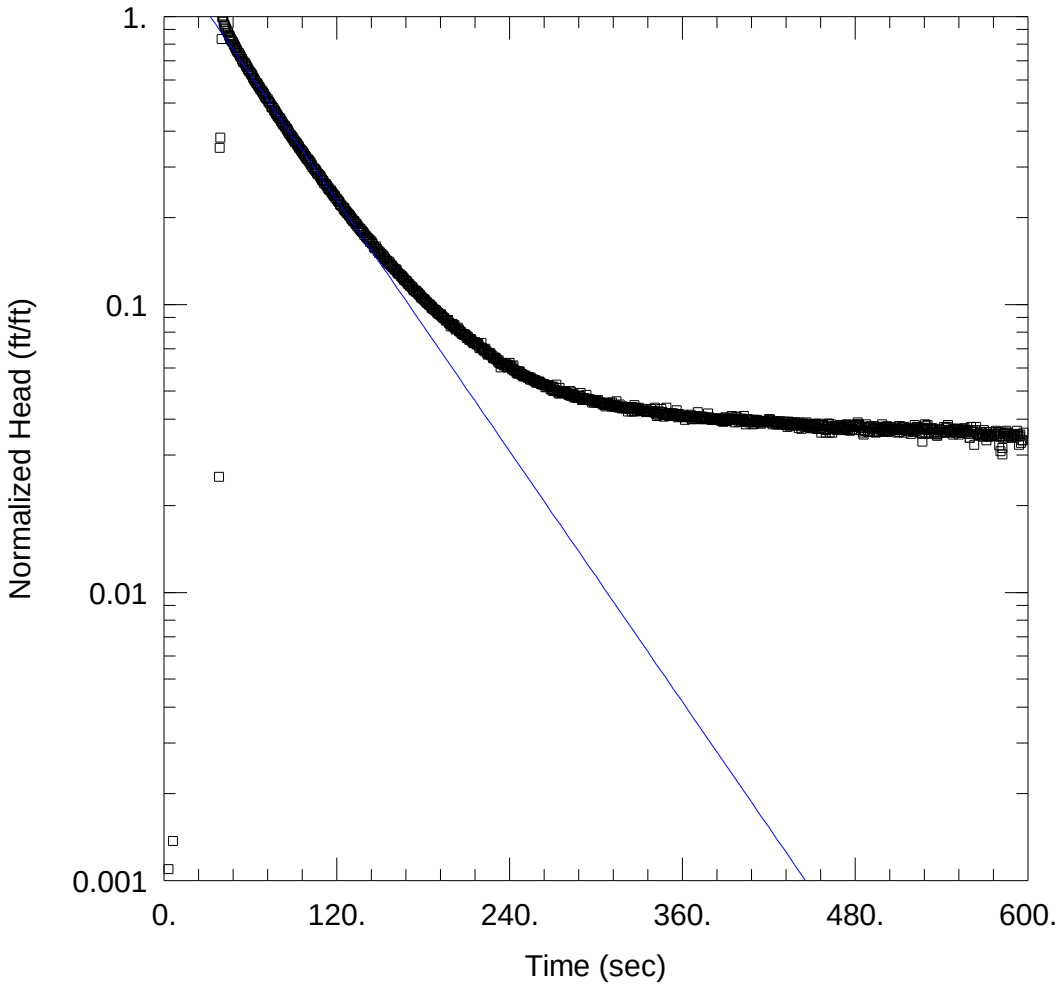
Saturated Thickness: 28. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-11A)

Initial Displacement: 3.22 ft
Total Well Penetration Depth: 28. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 28. ft
Screen Length: 15. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 1.376E-5 ft/sec
y0 = 3.741 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW11A-1SO.aqt
Date: 01/05/15 Time: 15:41:39

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 11A-1SO
Test Date: 12/2/2014

AQUIFER DATA

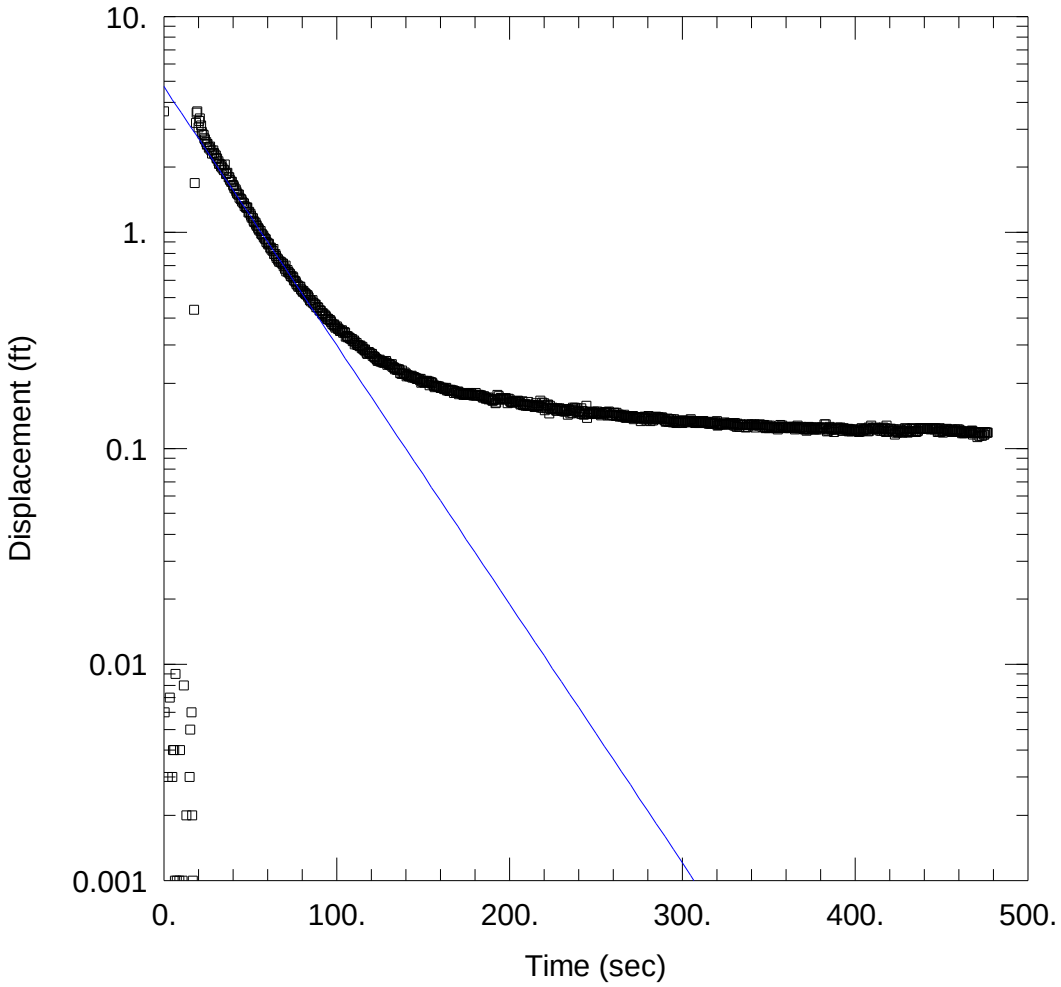
Saturated Thickness: 28. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-11A)

Initial Displacement: -3.655 ft
Total Well Penetration Depth: 28. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 28. ft
Screen Length: 15. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 1.278E-5 ft/sec
y0 = -6.241 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW11A-2SI.aqt
Date: 01/05/15 Time: 15:42:00

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 11A-2SI
Test Date: 12/2/2014

AQUIFER DATA

Saturated Thickness: 28. ft
Anisotropy Ratio (Kz/Kr): 1.

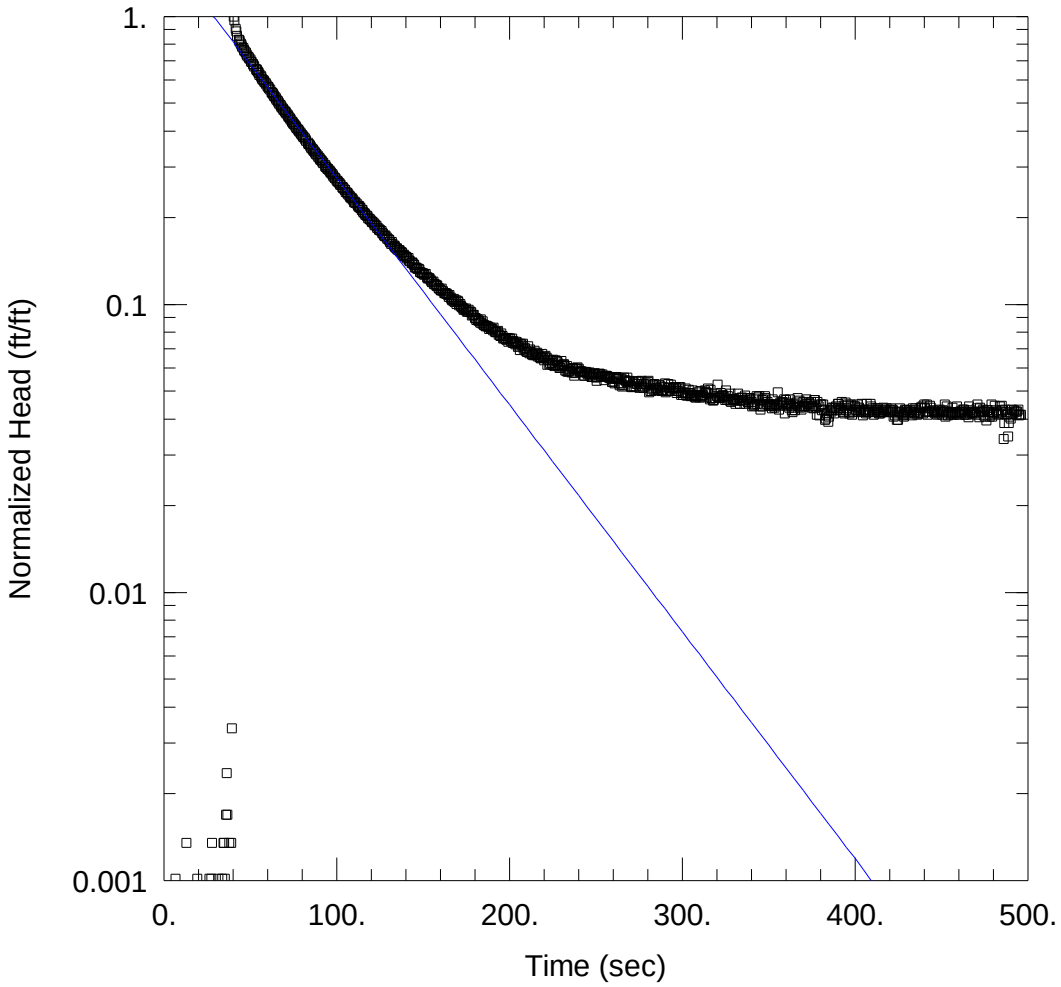
WELL DATA (MW-11A)

Initial Displacement: 3.63 ft
Total Well Penetration Depth: 28. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 28. ft
Screen Length: 15. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

K = 2.109E-5 ft/sec
y0 = 4.728 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW11A-2SO.aqt
Date: 01/05/15 Time: 15:42:22

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 11A-2SO
Test Date: 12/2/2014

AQUIFER DATA

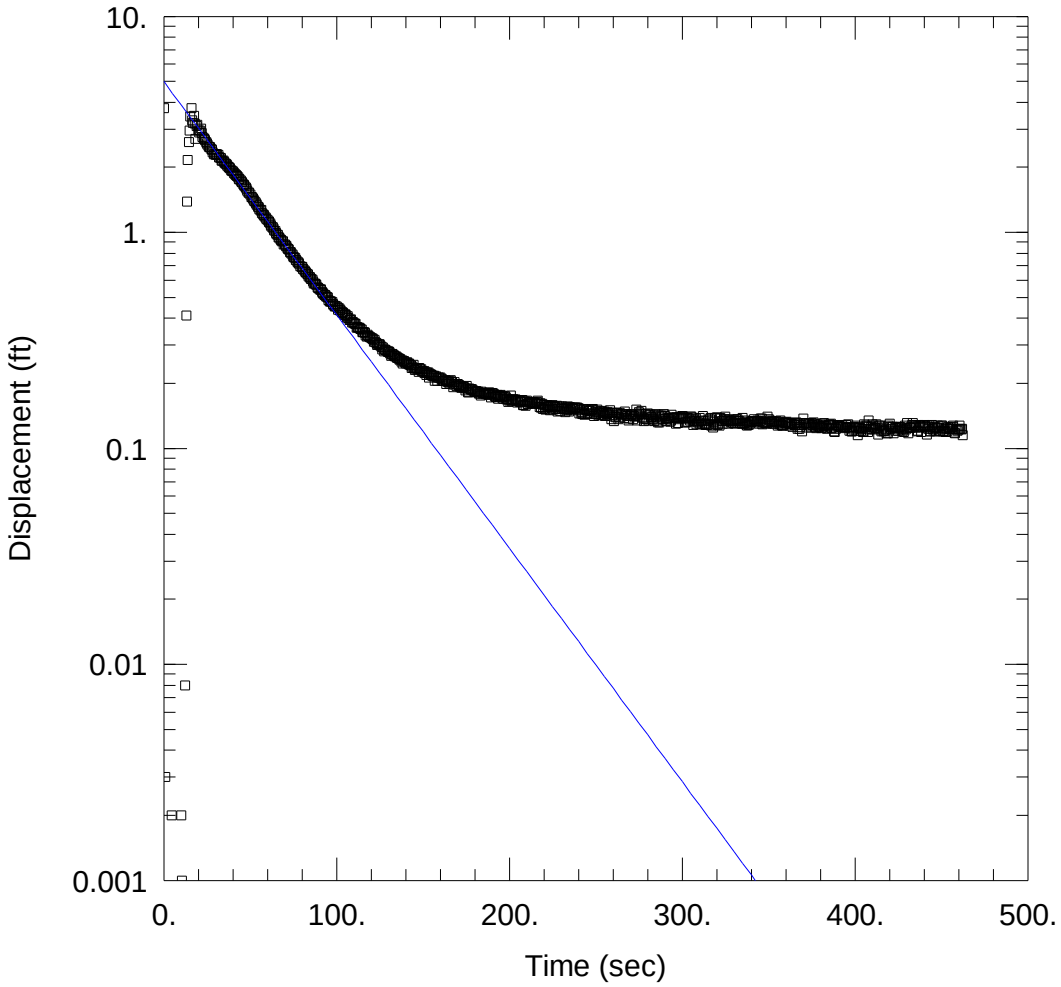
Saturated Thickness: 28. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-11A)

Initial Displacement: -2.966 ft
Total Well Penetration Depth: 28. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 28. ft
Screen Length: 15. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 1.388E-5 ft/sec
y0 = -5.003 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW11A-3SI.aqt
Date: 01/05/15 Time: 15:42:39

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 11A-3SI
Test Date: 12/2/2014

AQUIFER DATA

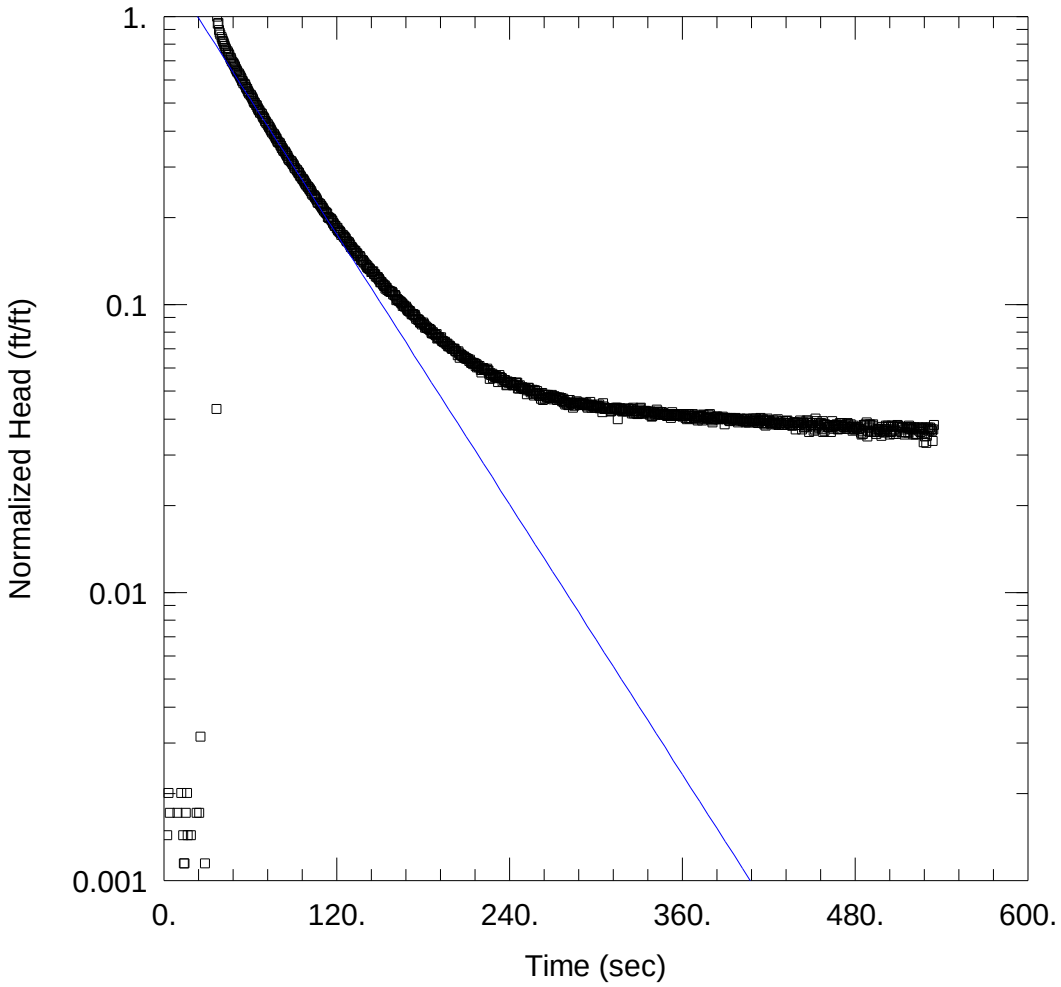
Saturated Thickness: 28. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-11A)

Initial Displacement: 3.752 ft
Total Well Penetration Depth: 28. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 28. ft
Screen Length: 15. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 1.903E-5 ft/sec
y0 = 4.993 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW11A-3SO.aqt
Date: 01/05/15 Time: 15:42:58

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 11A-3SO
Test Date: 12/2/2014

AQUIFER DATA

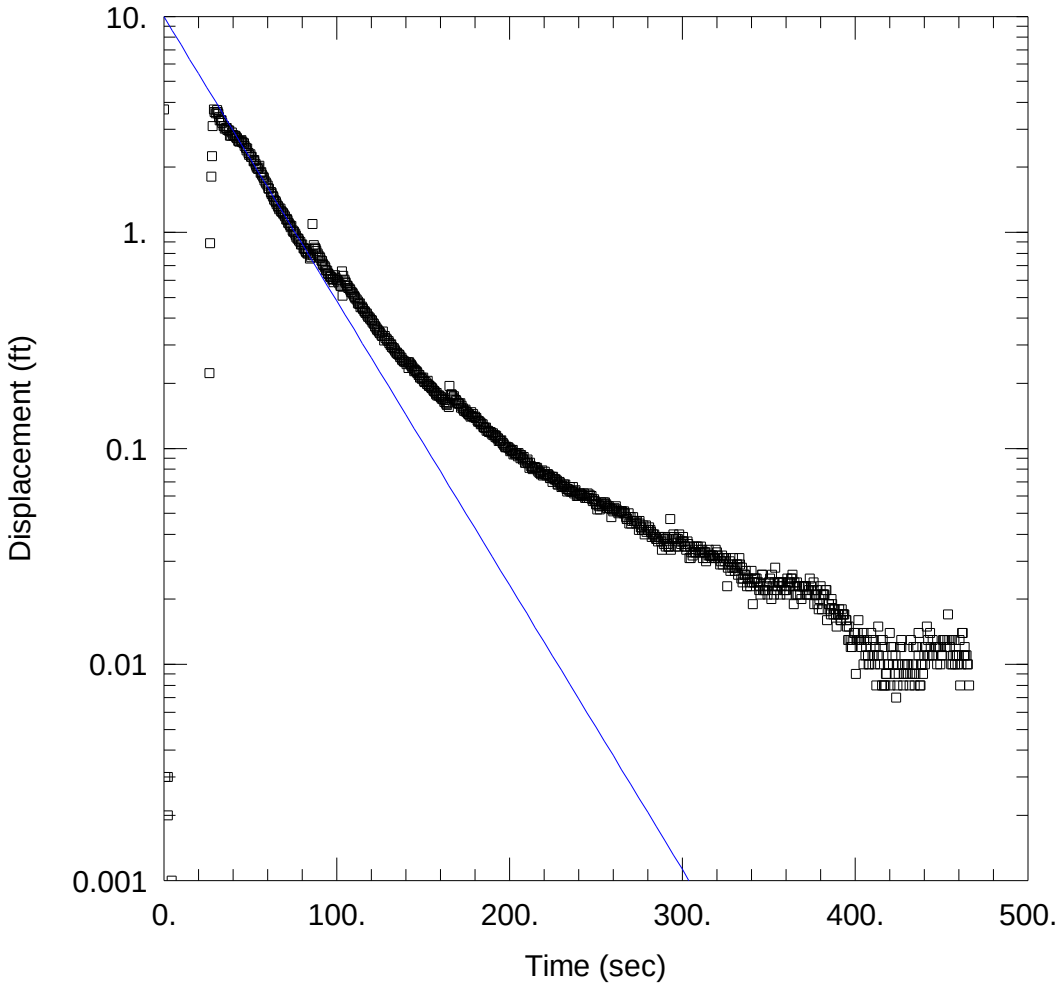
Saturated Thickness: 28. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-11A)

Initial Displacement: -3.489 ft
Total Well Penetration Depth: 28. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 28. ft
Screen Length: 15. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 1.377E-5 ft/sec
y0 = -5.301 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW11B-1SI.aqt
Date: 01/05/15 Time: 15:43:29

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 11B-1SI
Test Date: 12/2/2014

AQUIFER DATA

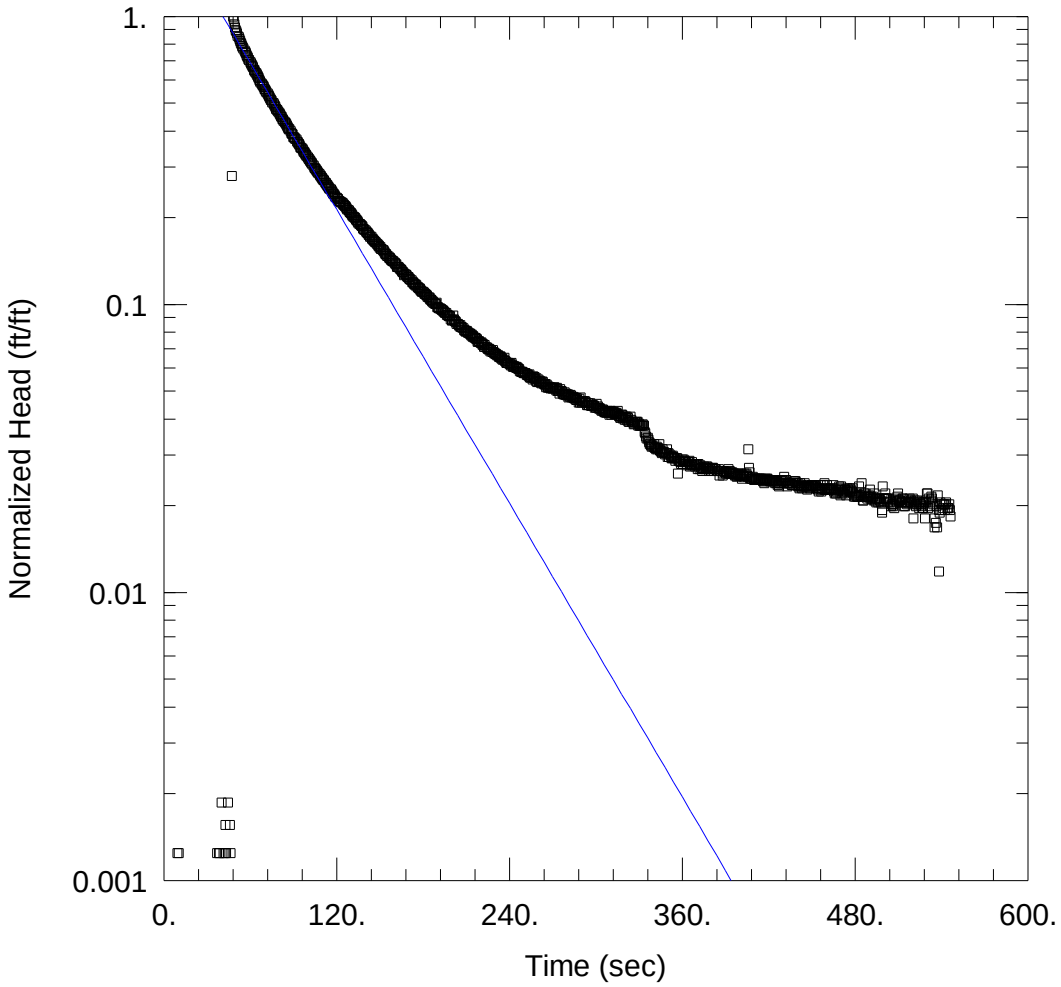
Saturated Thickness: 12. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-11B)

Initial Displacement: 3.706 ft
Total Well Penetration Depth: 48. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 48. ft
Screen Length: 12. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 3.333E-5 ft/sec
y0 = 9.964 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW11B-1SO.aqt
Date: 01/05/15 Time: 15:44:22

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 11B-1SO
Test Date: 12/2/2014

AQUIFER DATA

Saturated Thickness: 12. ft Anisotropy Ratio (Kz/Kr): 1.

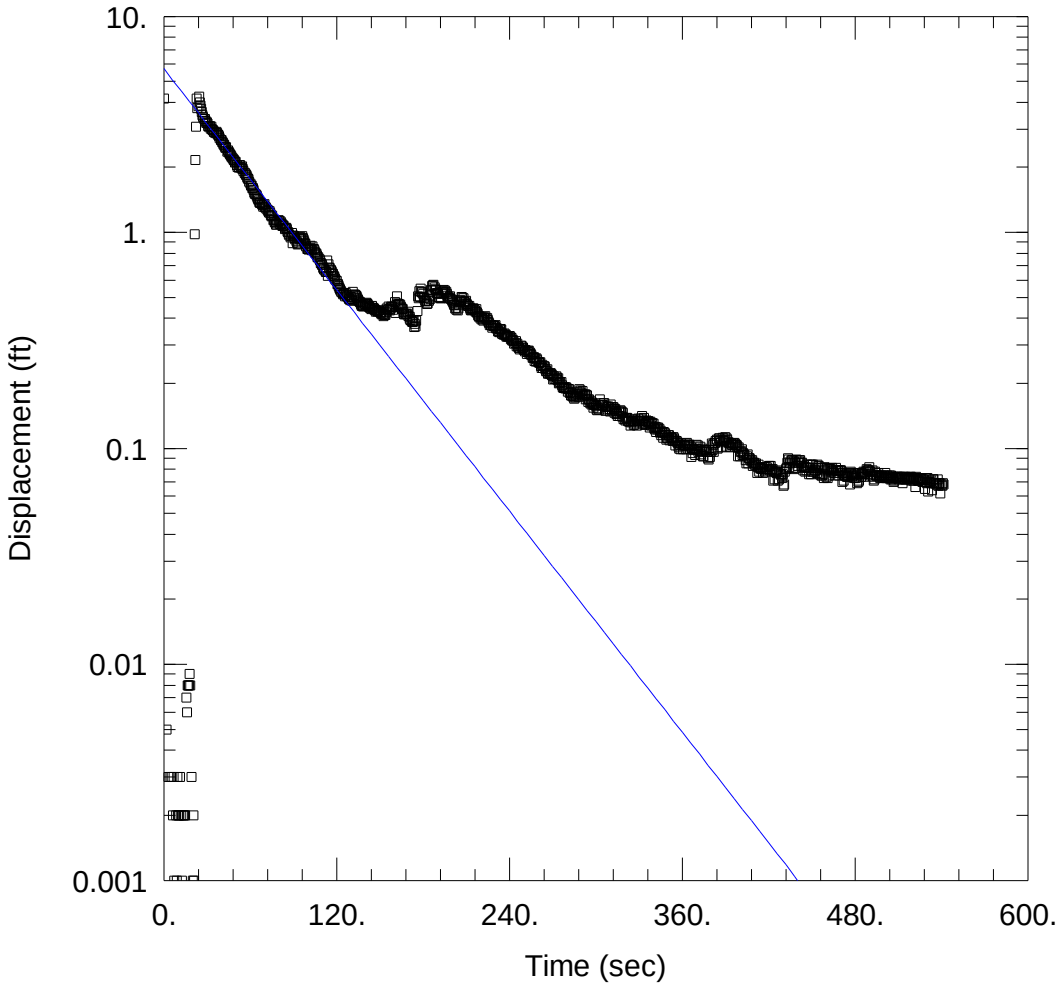
WELL DATA (MW-11B)

Initial Displacement: -3.218 ft
Total Well Penetration Depth: 48. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 48. ft
Screen Length: 12. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 2.153E-5 ft/sec y0 = -7.18 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW11B-2SI.aqt
Date: 01/05/15 Time: 15:44:43

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 11B-2SI
Test Date: 12/2/2014

AQUIFER DATA

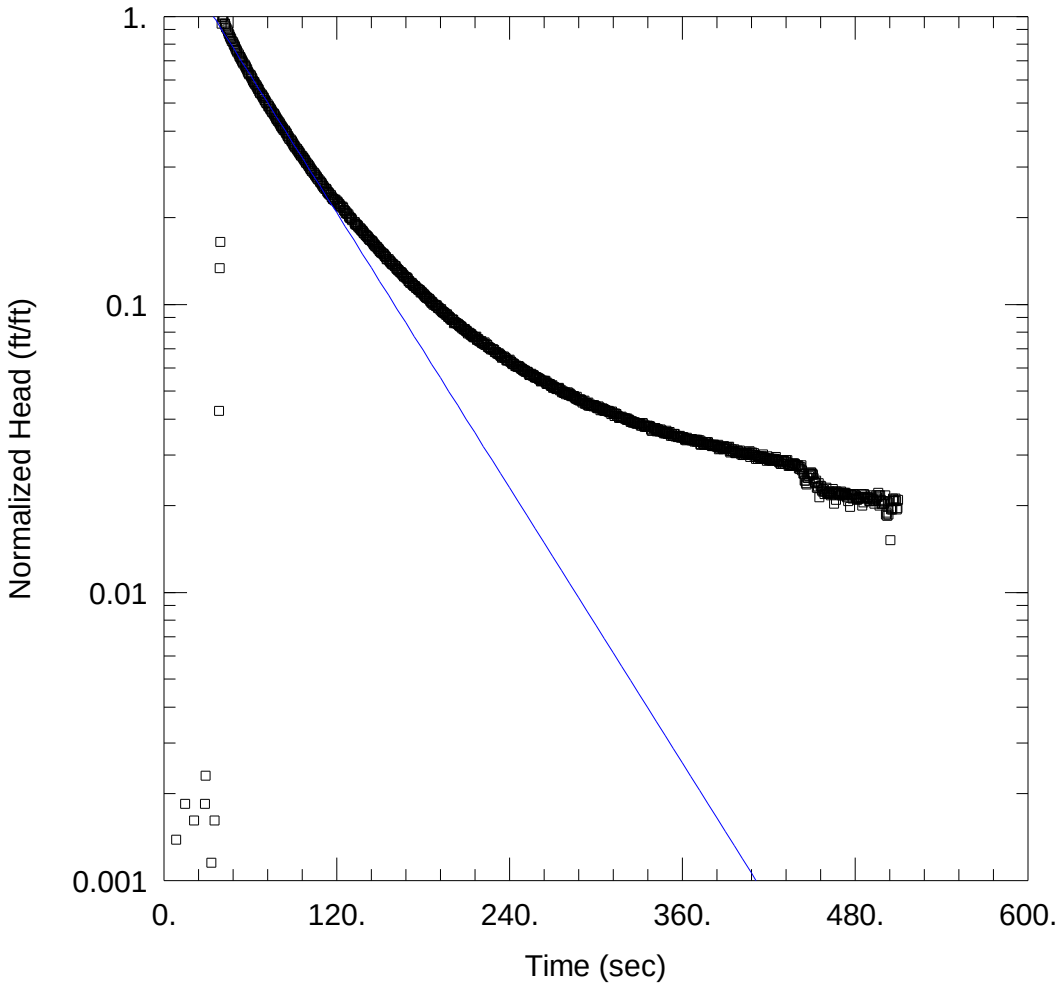
Saturated Thickness: 12. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-11B)

Initial Displacement: 4.159 ft
Total Well Penetration Depth: 48. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 48. ft
Screen Length: 12. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 2.161E-5 ft/sec
y0 = 5.723 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW11B-2SO.aqt
Date: 01/05/15 Time: 15:45:23

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 11B-2SO
Test Date: 12/2/2014

AQUIFER DATA

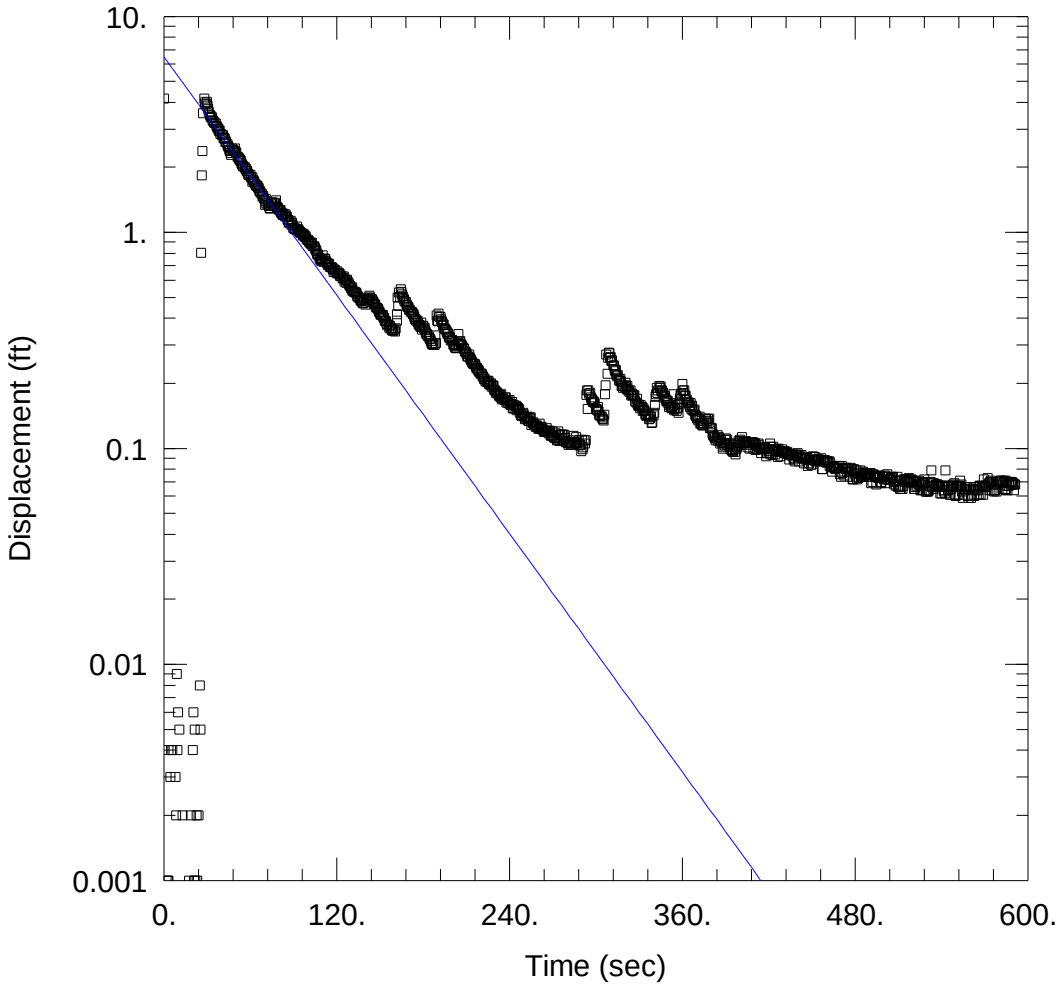
Saturated Thickness: 12. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-11B)

Initial Displacement: -4.34 ft
Total Well Penetration Depth: 48. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 48. ft
Screen Length: 12. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 2.016E-5 ft/sec
y0 = -8.145 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW11B-3SI.aqt
Date: 01/05/15 Time: 15:45:55

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 11B-3SI
Test Date: 12/2/2014

AQUIFER DATA

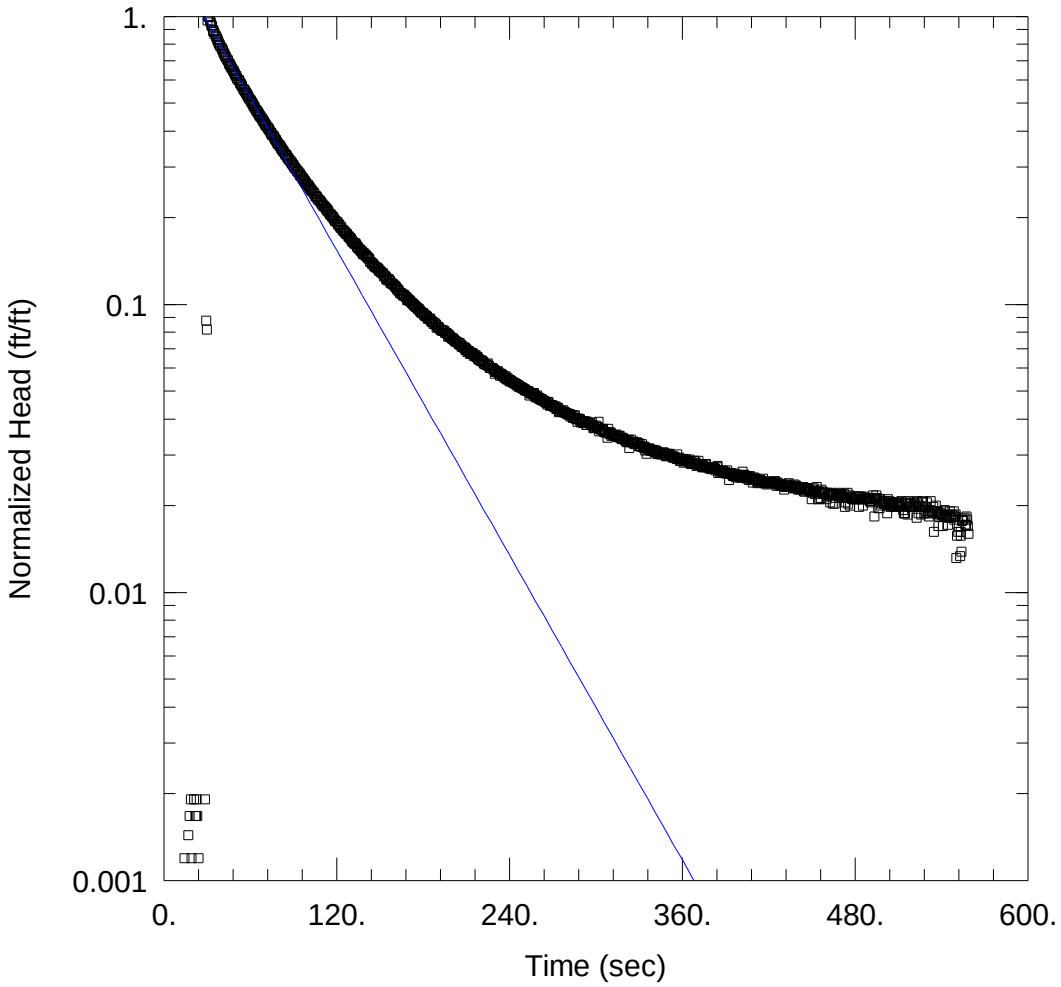
Saturated Thickness: 12. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-11B)

Initial Displacement: 4.153 ft
Total Well Penetration Depth: 48. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 48. ft
Screen Length: 12. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 2.33E-5 ft/sec
y0 = 6.505 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW11B-3SO.aqt
Date: 01/05/15 Time: 15:46:18

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 11B-3SO
Test Date: 12/2/2014

AQUIFER DATA

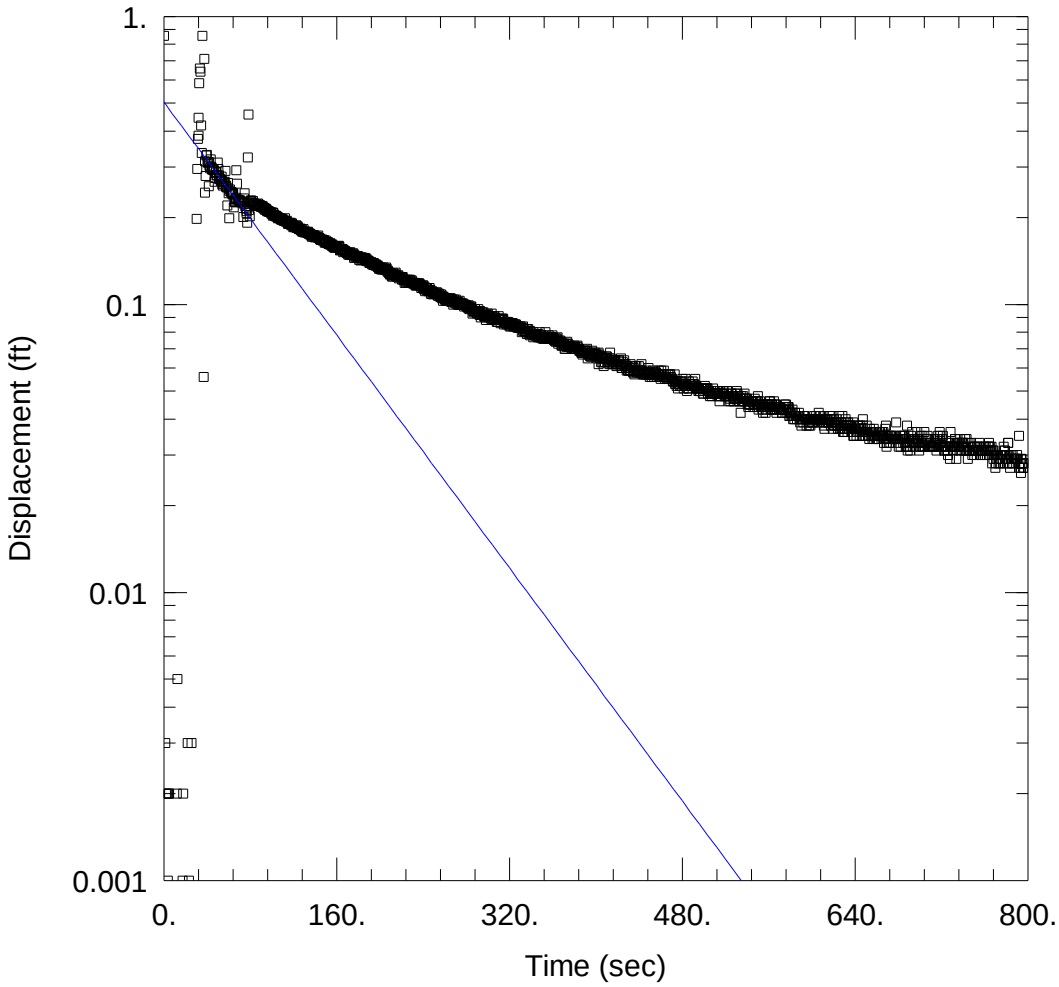
Saturated Thickness: 12. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-11B)

Initial Displacement: -4.189 ft
Total Well Penetration Depth: 48. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 48. ft
Screen Length: 12. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 2.235E-5 ft/sec
y0 = -7.404 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW13A-1SI.aqt
Date: 01/05/15 Time: 15:46:57

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 13A-1SI
Test Date: 12/3/2014

AQUIFER DATA

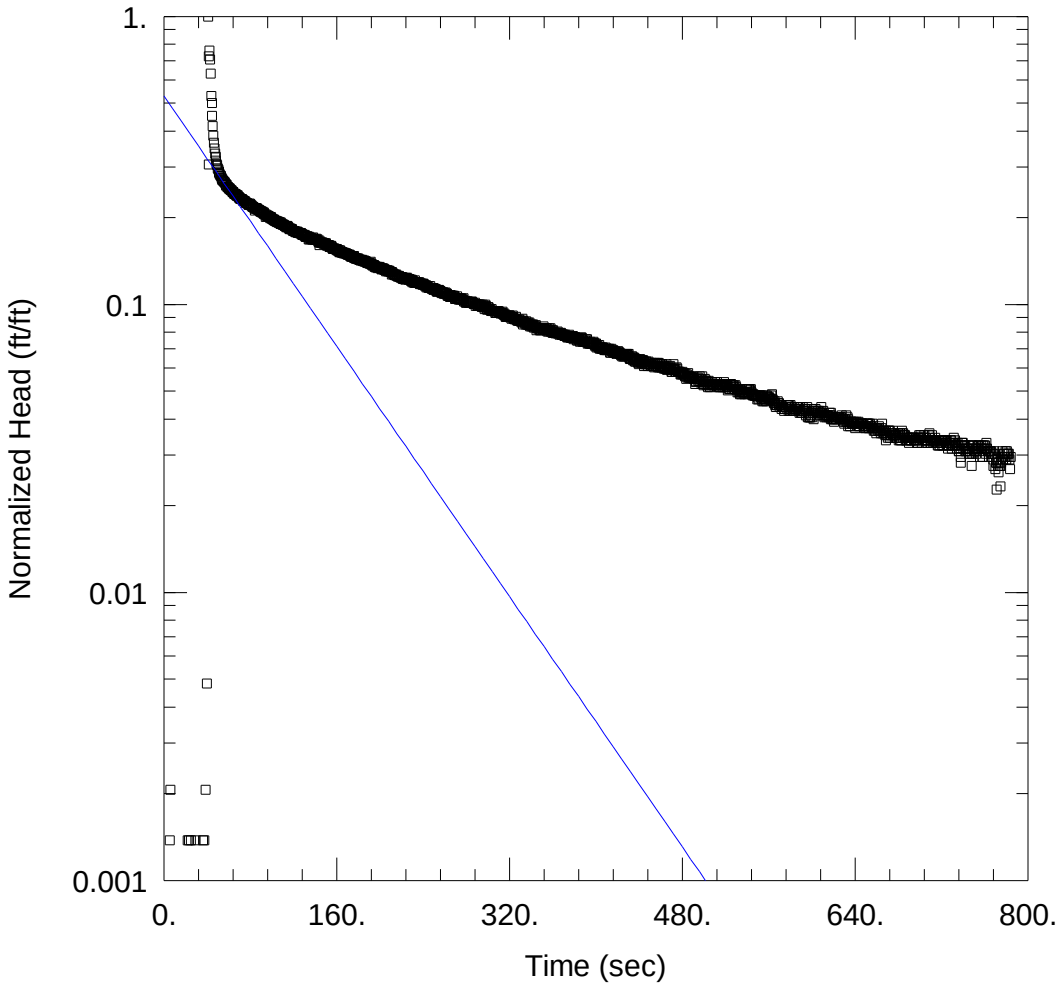
Saturated Thickness: 9. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-13A)

Initial Displacement: 0.856 ft
Total Well Penetration Depth: 12. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 9. ft
Screen Length: 12. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 1.196E-5 ft/sec
y0 = 0.504 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW13A-1SO.aqt
Date: 01/05/15 Time: 15:47:43

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 13A-1SO
Test Date: 12/3/2014

AQUIFER DATA

Saturated Thickness: 9. ft Anisotropy Ratio (Kz/Kr): 1.

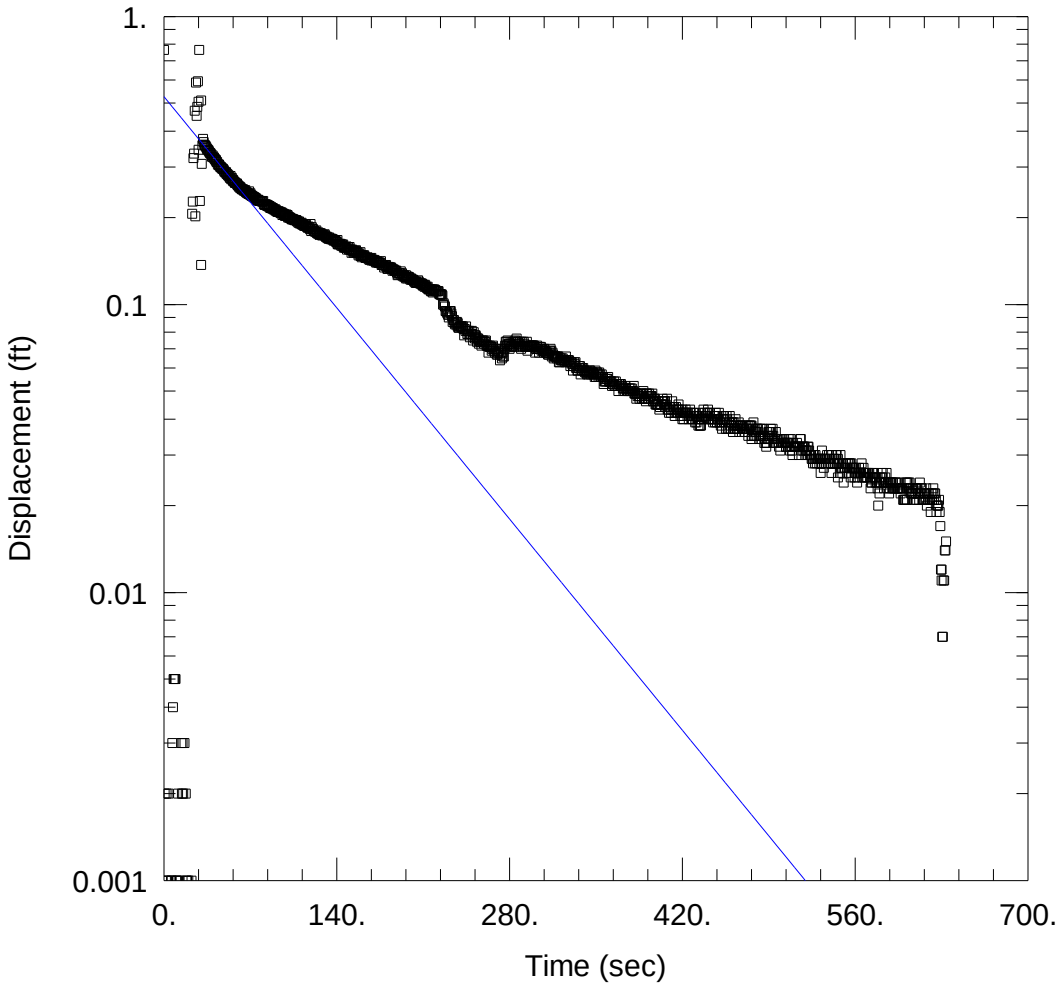
WELL DATA (MW_13A)

Initial Displacement: -1.455 ft
Total Well Penetration Depth: 12. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 9. ft
Screen Length: 12. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 1.285E-5 ft/sec y0 = -0.7705 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW13A-2SI.aqt
Date: 01/05/15 Time: 15:48:03

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 13A-2SI
Test Date: 12/3/2014

AQUIFER DATA

Saturated Thickness: 9. ft Anisotropy Ratio (Kz/Kr): 1.

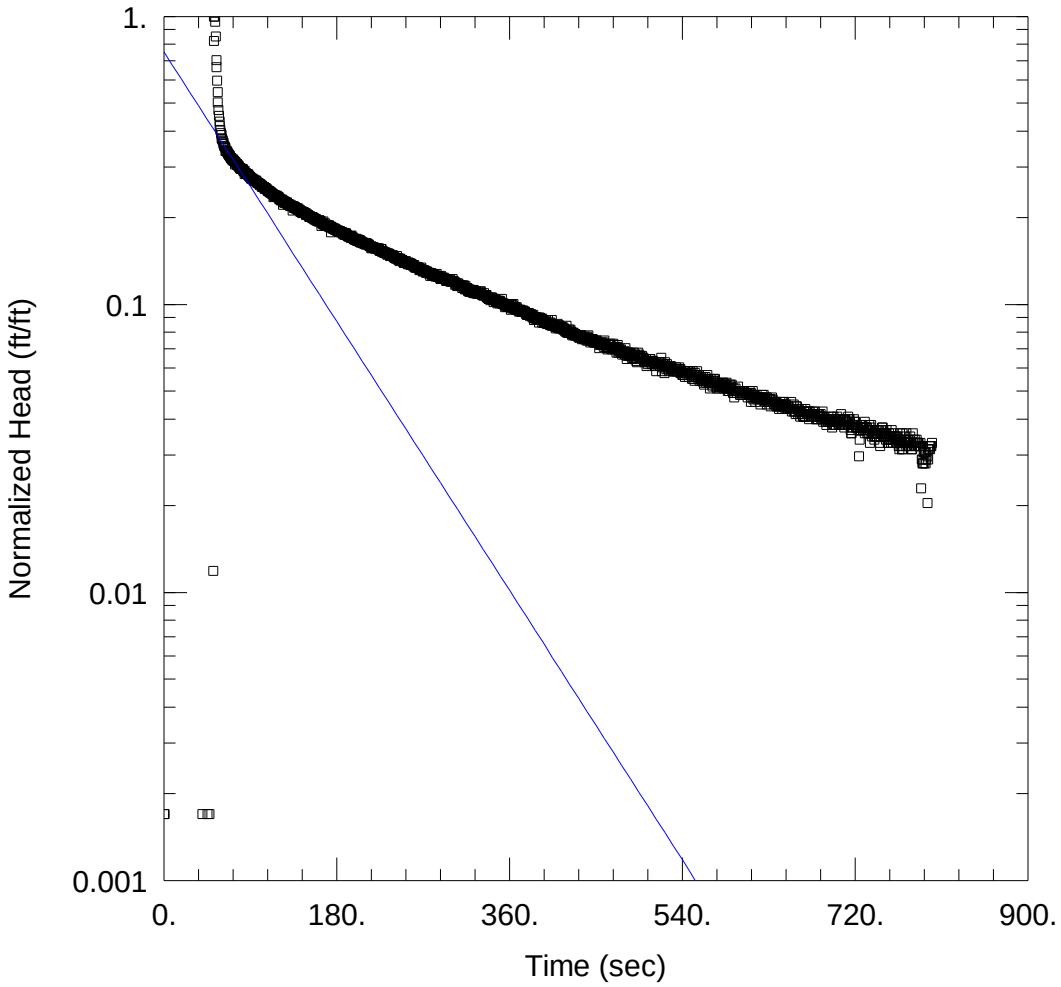
WELL DATA (MW_13A)

Initial Displacement: 0.766 ft
Total Well Penetration Depth: 12. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 9. ft
Screen Length: 12. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 1.24E-5 ft/sec y0 = 0.5275 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW13A-2SO.aqt
Date: 01/05/15 Time: 15:48:28

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 13A-2SO
Test Date: 12/3/2014

AQUIFER DATA

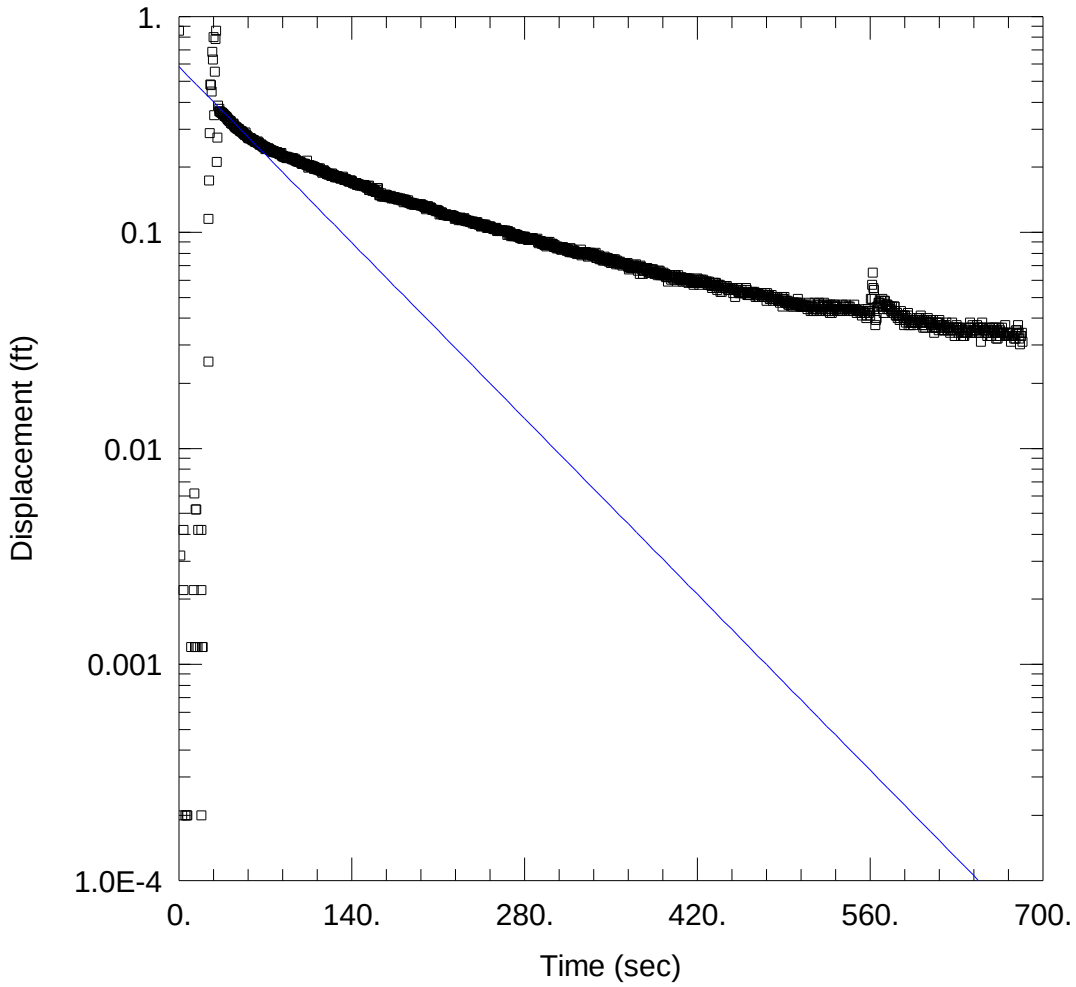
Saturated Thickness: 9. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-13A)

Initial Displacement: -1.178 ft
Total Well Penetration Depth: 12. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 9. ft
Screen Length: 12. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 1.229E-5 ft/sec
y0 = -0.8866 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW13A-3SI.aqt
Date: 01/05/15 Time: 15:48:50

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 13A-3SI
Test Date: 12/3/2014

AQUIFER DATA

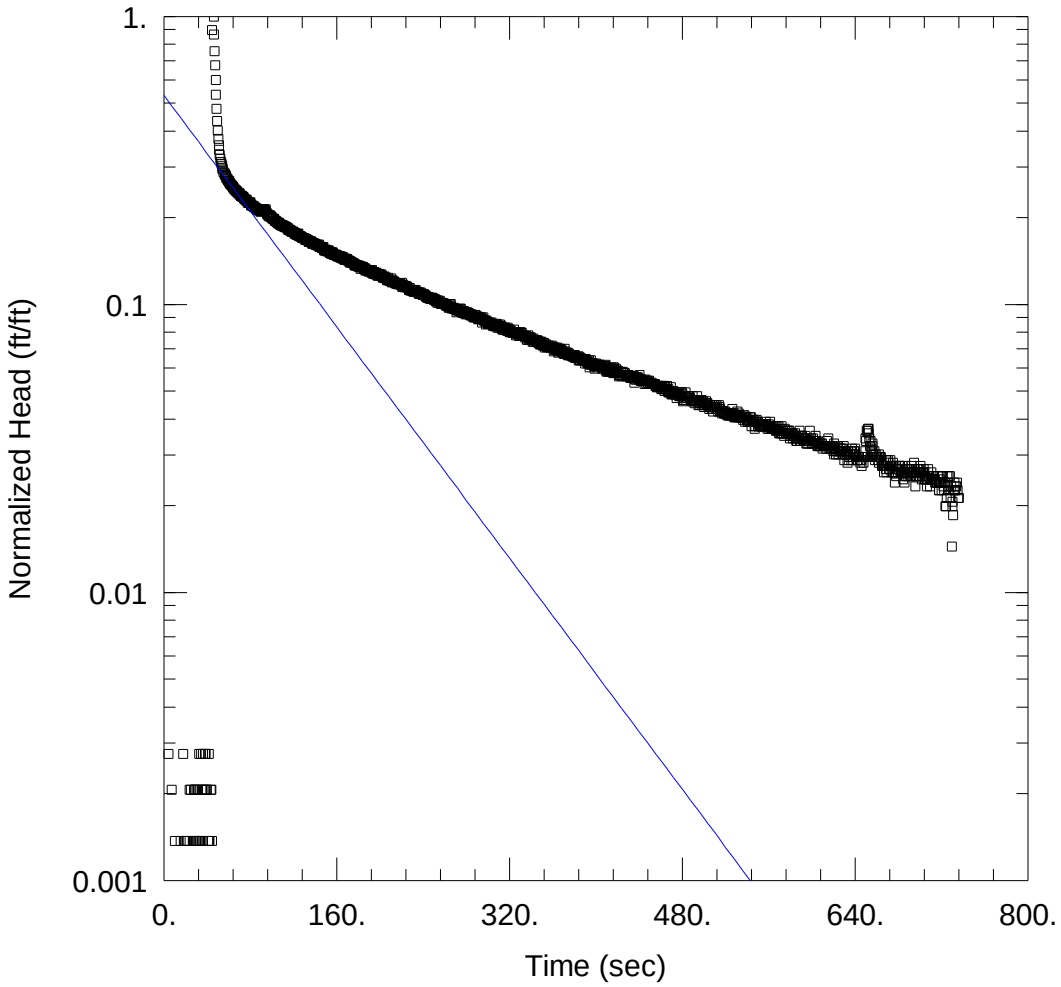
Saturated Thickness: 9. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-13A)

Initial Displacement: 0.8562 ft
Total Well Penetration Depth: 12. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 9. ft
Screen Length: 12. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 1.376E-5 ft/sec
y0 = 0.5851 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW13A-3SO.aqt
Date: 01/05/15 Time: 15:49:13

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 13A-3SO
Test Date: 12/3/2014

AQUIFER DATA

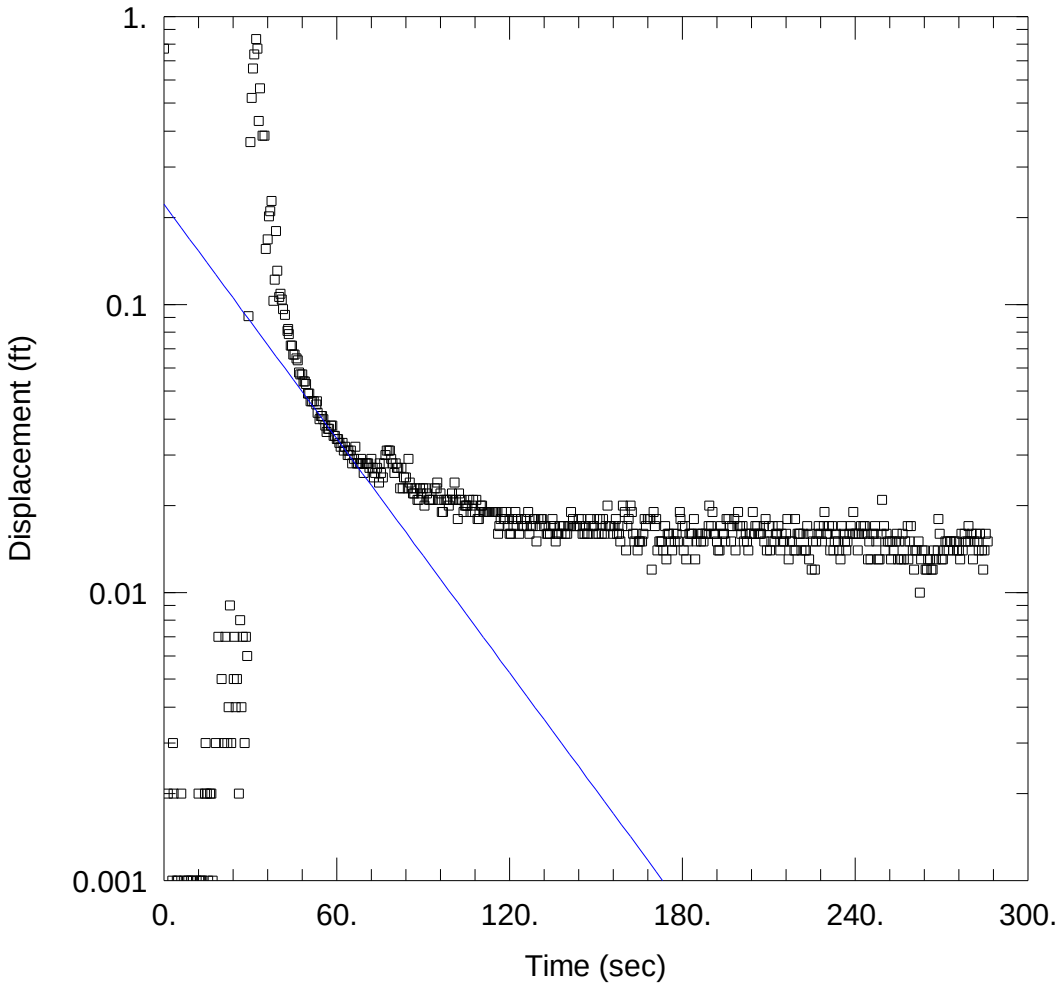
Saturated Thickness: 9. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-13A)

Initial Displacement: -1.458 ft
Total Well Penetration Depth: 12. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 9. ft
Screen Length: 12. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 1.187E-5 ft/sec
y0 = -0.7743 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW13B-1SI.aqt
Date: 01/05/15 Time: 15:49:33

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 13B-1SI
Test Date: 12/3/2014

AQUIFER DATA

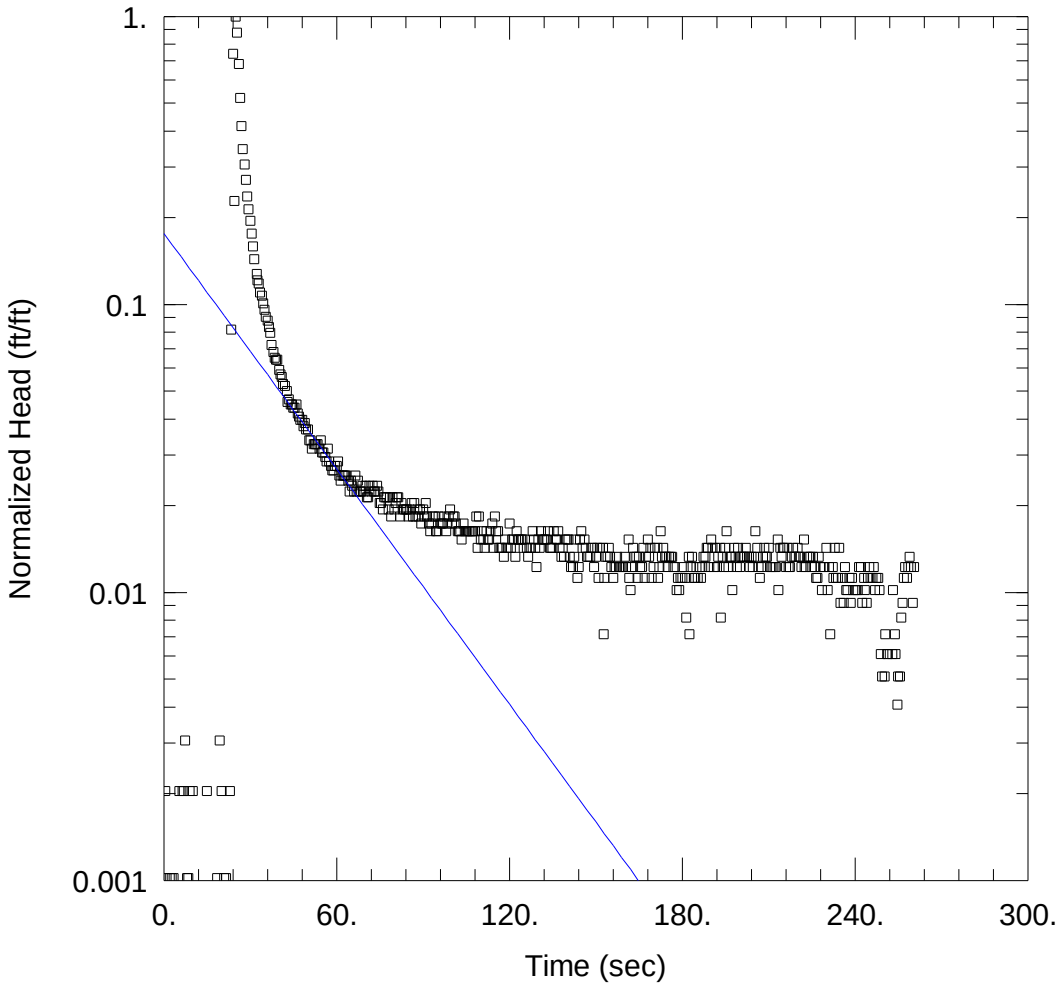
Saturated Thickness: 20. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-13B)

Initial Displacement: 0.772 ft
Total Well Penetration Depth: 32.5 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 32.5 ft
Screen Length: 15. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 2.618E-5 ft/sec
y0 = 0.2228 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW13B-1SO.aqt
Date: 01/05/15 Time: 15:49:53

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 13B-1SO
Test Date: 12/3/2014

AQUIFER DATA

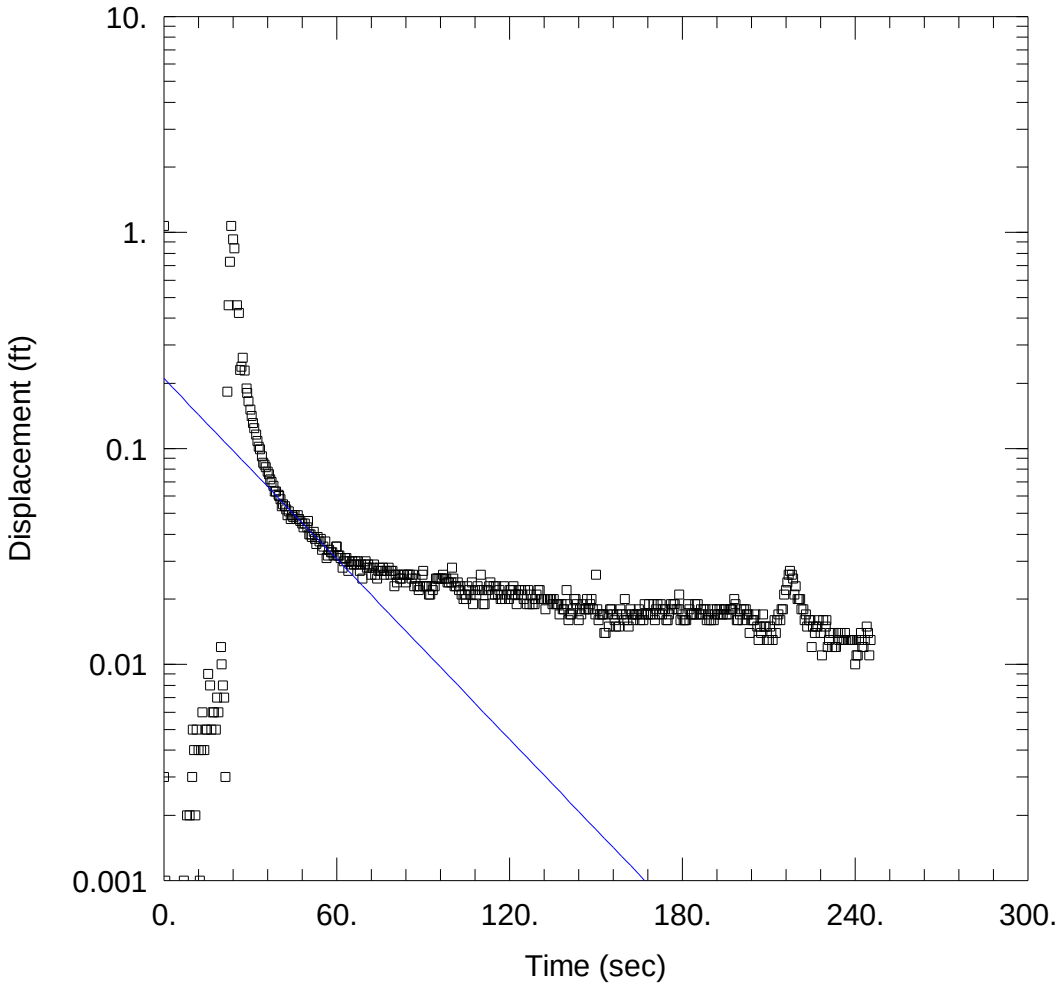
Saturated Thickness: 20. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-13B)

Initial Displacement: -0.981 ft
Total Well Penetration Depth: 32.5 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 32.5 ft
Screen Length: 15. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 2.632E-5 ft/sec
y0 = -0.1731 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW13B-2SI.aqt
Date: 01/05/15 Time: 15:50:15

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 13B-2SI
Test Date: 12/3/2014

AQUIFER DATA

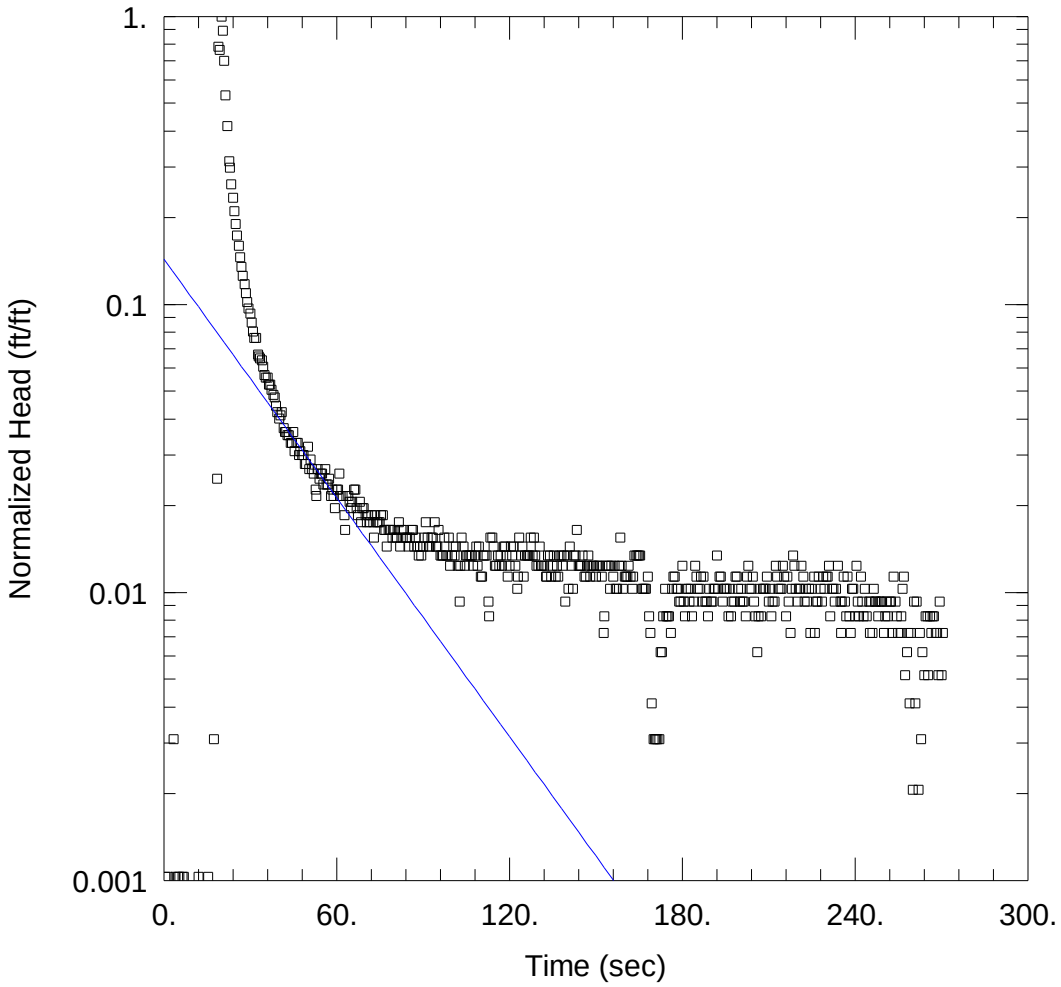
Saturated Thickness: 20. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-13B)

Initial Displacement: 1.068 ft
Total Well Penetration Depth: 32.5 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 32.5 ft
Screen Length: 15. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 2.687E-5 ft/sec
y0 = 0.2106 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW13B-2SO.aqt
Date: 01/05/15 Time: 15:50:38

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 13B-2SO
Test Date: 12/3/2014

AQUIFER DATA

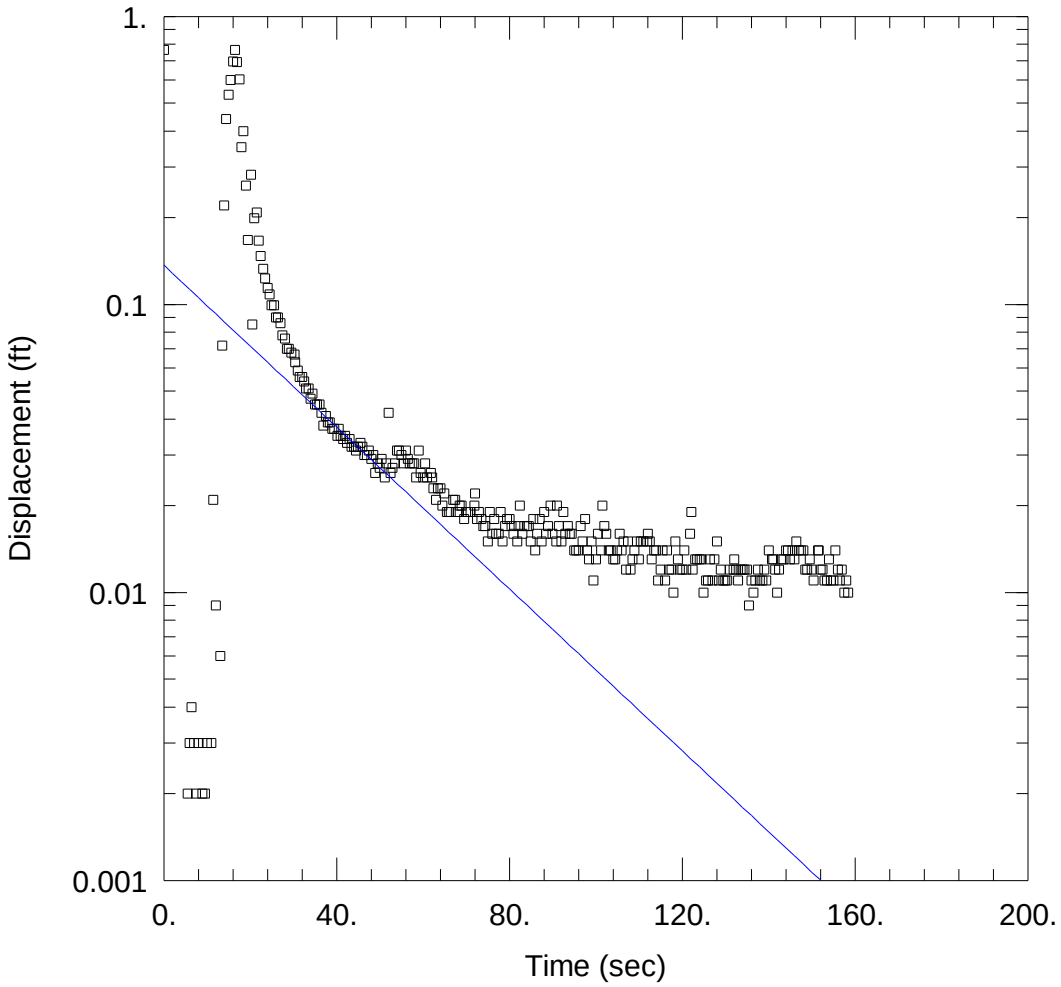
Saturated Thickness: 20. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-13B)

Initial Displacement: -0.97 ft
Total Well Penetration Depth: 32.5 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 32.5 ft
Screen Length: 15. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 2.668E-5 ft/sec
y0 = -0.1393 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW13B-3SI.aqt
Date: 01/05/15 Time: 15:51:01

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 13B-3SI
Test Date: 12/3/2014

AQUIFER DATA

Saturated Thickness: 20. ft Anisotropy Ratio (Kz/Kr): 1.

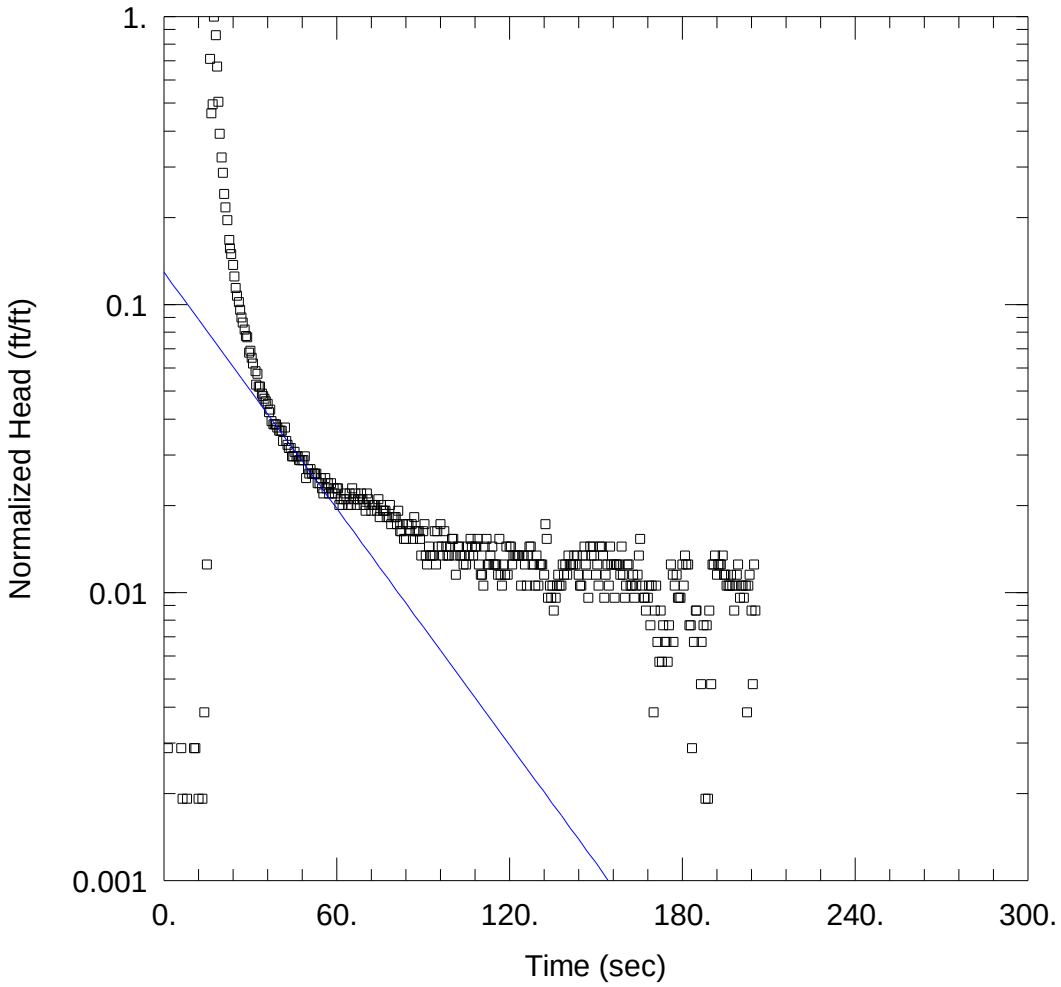
WELL DATA (MW-13B)

Initial Displacement: 0.764 ft
Total Well Penetration Depth: 32.5 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 32.5 ft
Screen Length: 15. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 2.713E-5 ft/sec y0 = 0.1367 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW13B-3SO.aqt
Date: 01/05/15 Time: 15:51:23

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 13B-3SO
Test Date: 12/3/2014

AQUIFER DATA

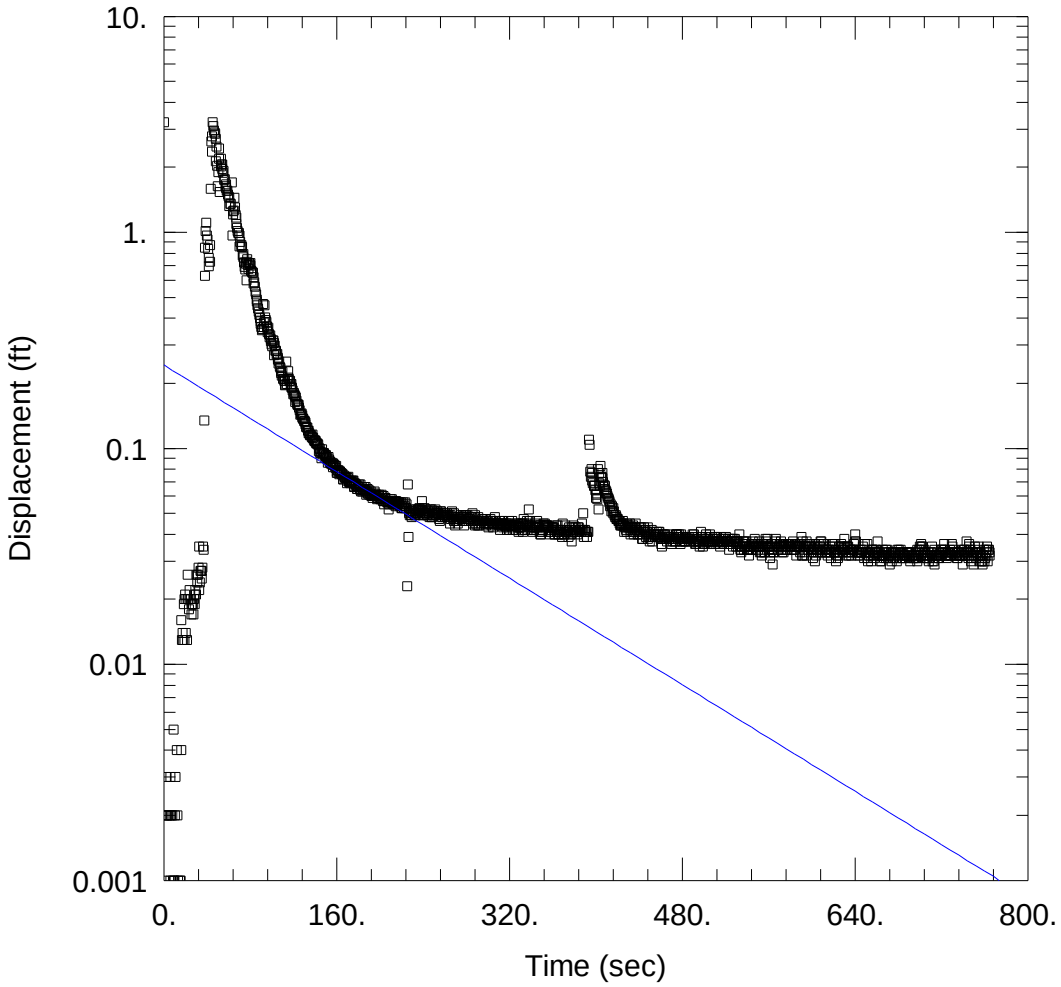
Saturated Thickness: 20. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-13B)

Initial Displacement: -1.043 ft
Total Well Penetration Depth: 32.5 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 32.5 ft
Screen Length: 15. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 2.641E-5 ft/sec
y0 = -0.135 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW15A-1SI.aqt
Date: 01/06/15 Time: 10:42:57

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 15A-1SI
Test Date: 12/1/2014

AQUIFER DATA

Saturated Thickness: 22.23 ft Anisotropy Ratio (Kz/Kr): 1.

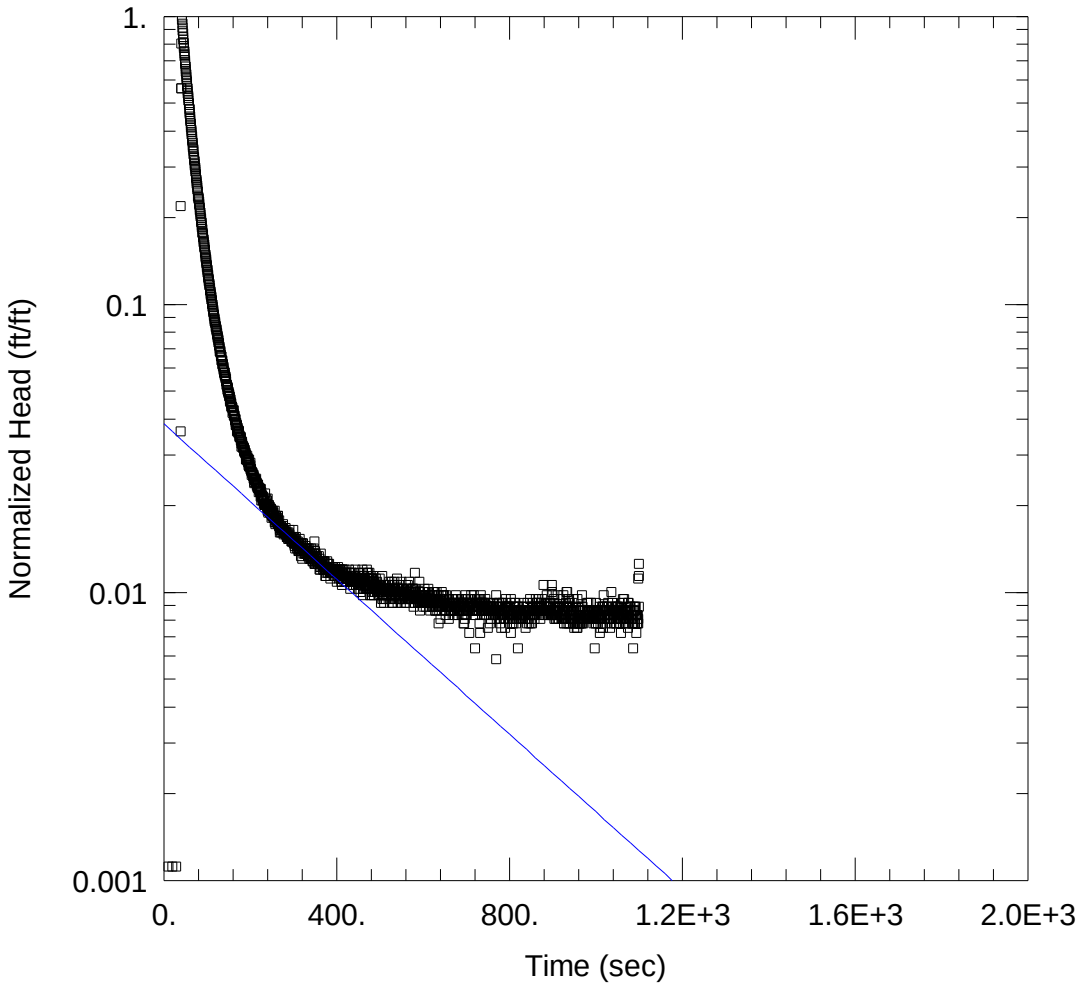
WELL DATA (MW-15A)

Initial Displacement: 3.24 ft
Total Well Penetration Depth: 22.23 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 22.23 ft
Screen Length: 10. ft
Well Radius: 0.333 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 7.522E-6 ft/sec y0 = 0.243 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW15A-1SO.aqt
Date: 01/06/15 Time: 10:51:32

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 15A-1SO
Test Date: 12/1/2014

AQUIFER DATA

Saturated Thickness: 22.23 ft Anisotropy Ratio (Kz/Kr): 1.

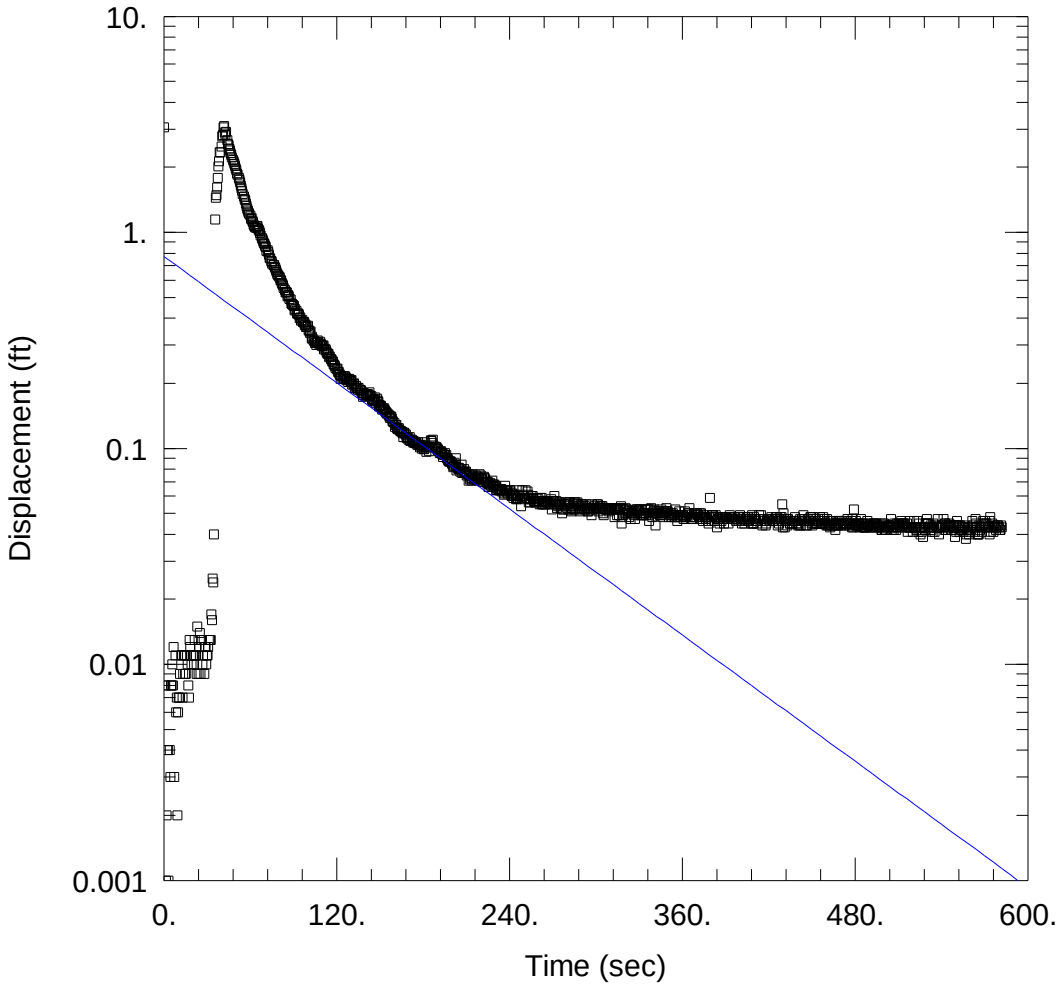
WELL DATA (MW-15A)

Initial Displacement: -3.59 ft
Total Well Penetration Depth: 22.23 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 22.23 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 3.295E-6 ft/sec y0 = -0.138 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW15A-2SI.aqt
Date: 01/06/15 Time: 10:55:15

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 15A-2SI
Test Date: 12/1/2014

AQUIFER DATA

Saturated Thickness: 22.23 ft Anisotropy Ratio (Kz/Kr): 1.

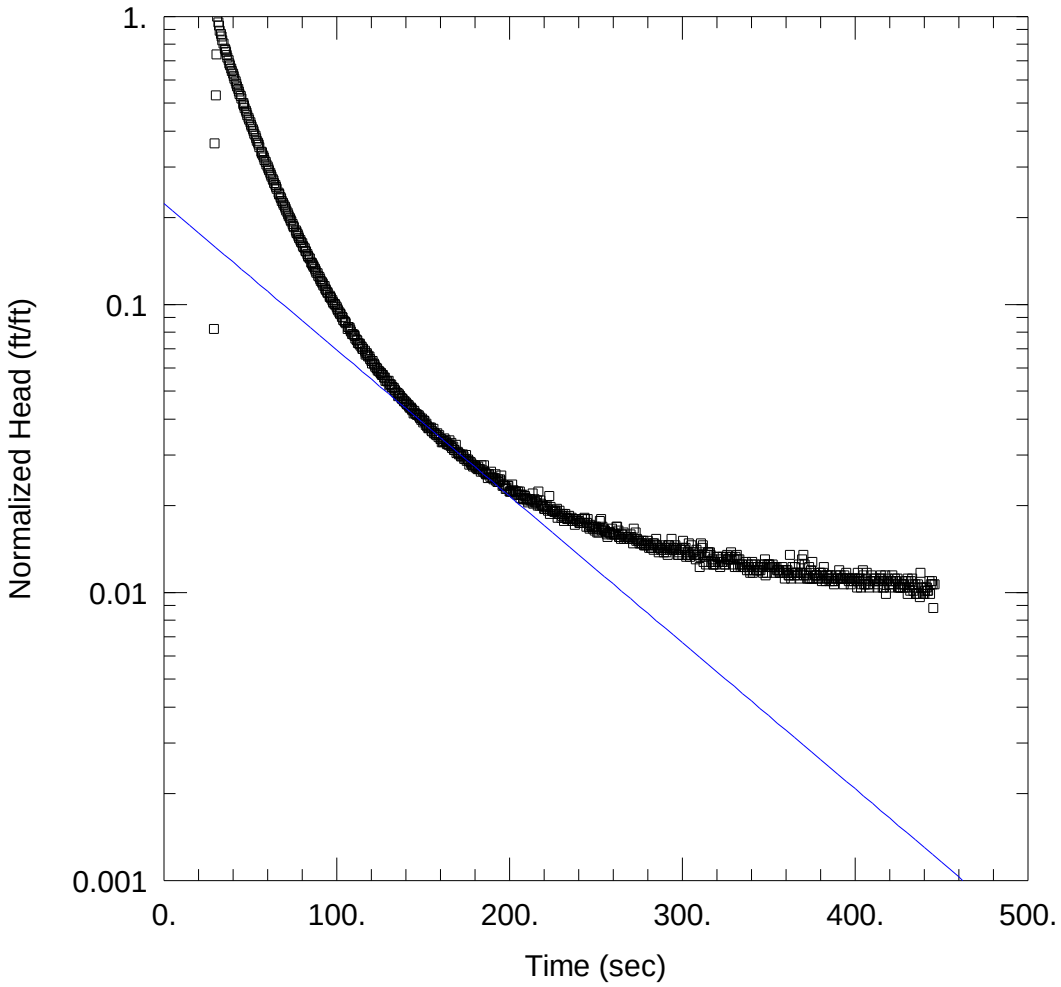
WELL DATA (MW-15A)

Initial Displacement: 3.062 ft
Total Well Penetration Depth: 22.23 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 22.23 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 1.191E-5 ft/sec y0 = 0.7735 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW15A-2SO.aqt
Date: 01/06/15 Time: 10:57:15

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 15A-2SO
Test Date: 12/1/2014

AQUIFER DATA

Saturated Thickness: 22.23 ft Anisotropy Ratio (Kz/Kr): 1.

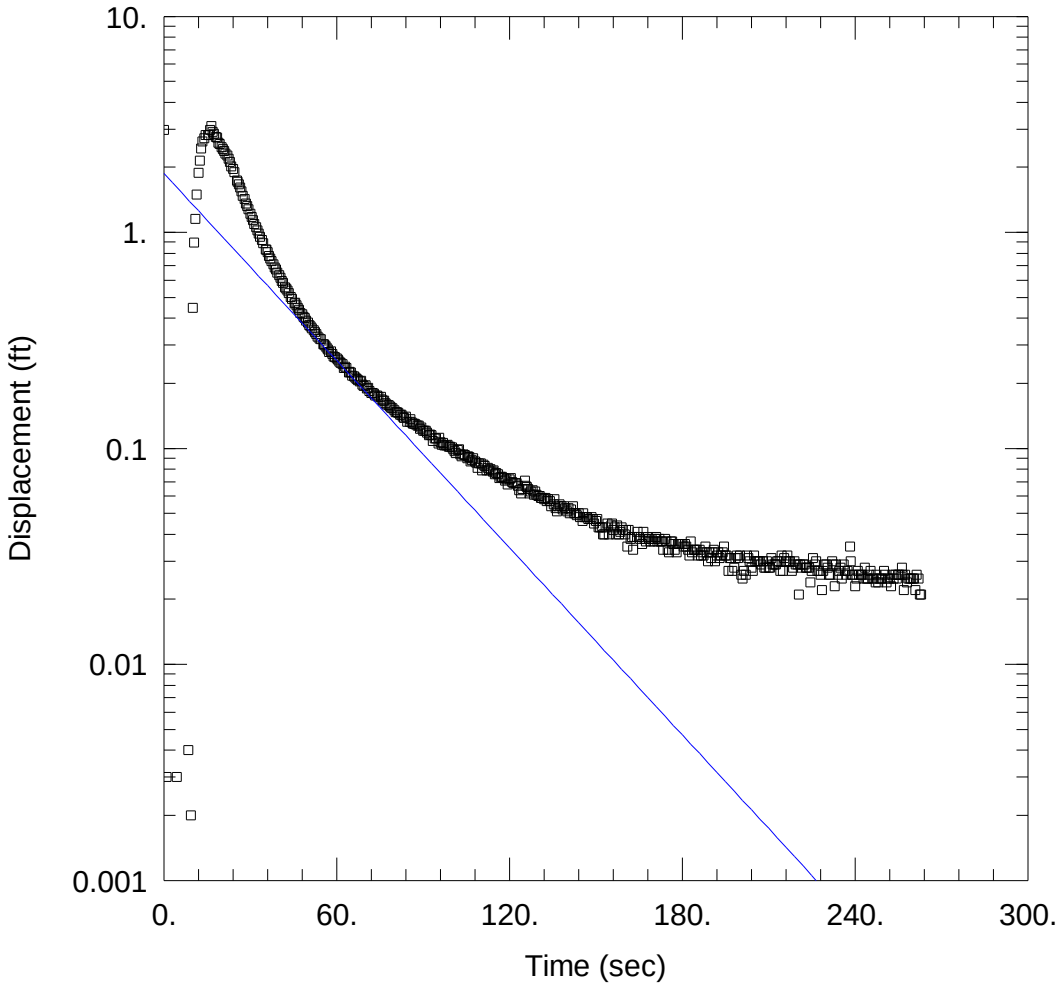
WELL DATA (MW-15A)

Initial Displacement: -3.847 ft
Total Well Penetration Depth: 22.23 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 22.23 ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 1.243E-5 ft/sec y0 = -0.8616 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW15A-3SI.aqt
Date: 01/06/15 Time: 11:07:25

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 15A-3SI
Test Date: 12/1/2014

AQUIFER DATA

Saturated Thickness: 22.23 ft Anisotropy Ratio (Kz/Kr): 1.

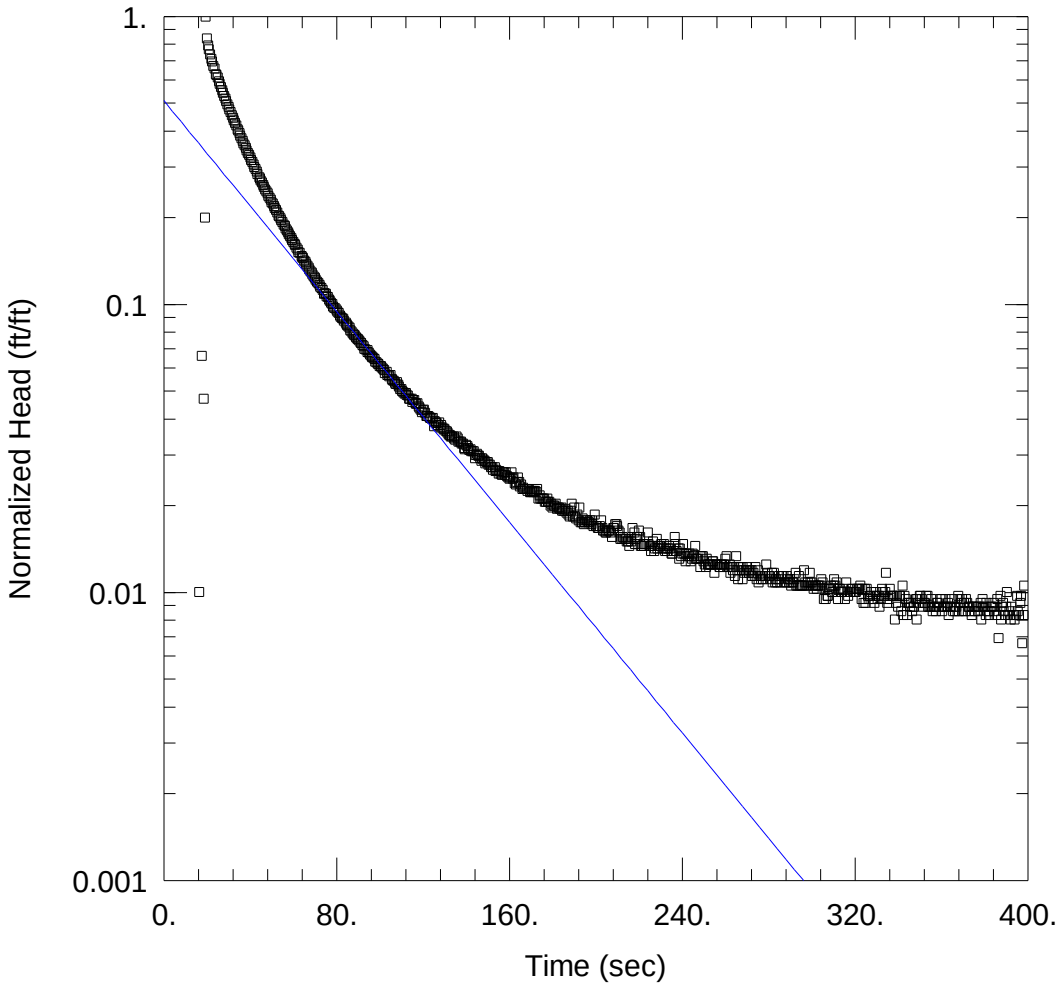
WELL DATA (MW-15A)

Initial Displacement: 2.975 ft
Total Well Penetration Depth: 22.23 ft
Casing Radius: 0.0833 ft
Static Water Column Height: 22.23 ft
Screen Length: 10. ft
Well Radius: 0.333 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 3.524E-5 ft/sec y0 = 1.875 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW15A-3SO.aqt
Date: 01/05/15 Time: 16:00:50

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 15A-3SO
Test Date: 12/1/2014

AQUIFER DATA

Saturated Thickness: 22.23 ft Anisotropy Ratio (Kz/Kr): 1.

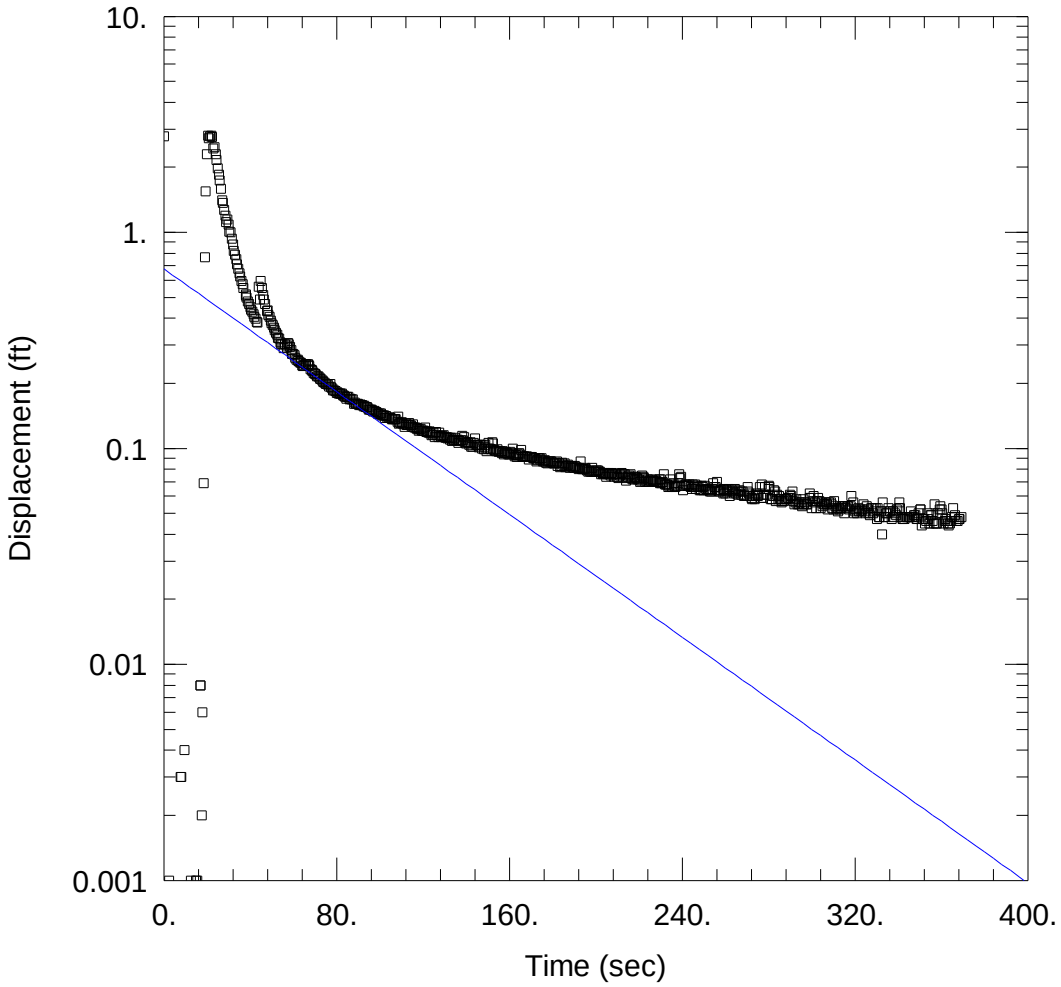
WELL DATA (MW-15A)

Initial Displacement: -3.596 ft
Total Well Penetration Depth: 22.23 ft
Casing Radius: 0.08333 ft
Static Water Column Height: 22.23 ft
Screen Length: 10. ft
Well Radius: 0.333 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 2.233E-5 ft/sec y0 = -1.832 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW15B-1SI.aqt
Date: 01/05/15 Time: 16:03:32

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 15B-1SI
Test Date: 12/1/2014

AQUIFER DATA

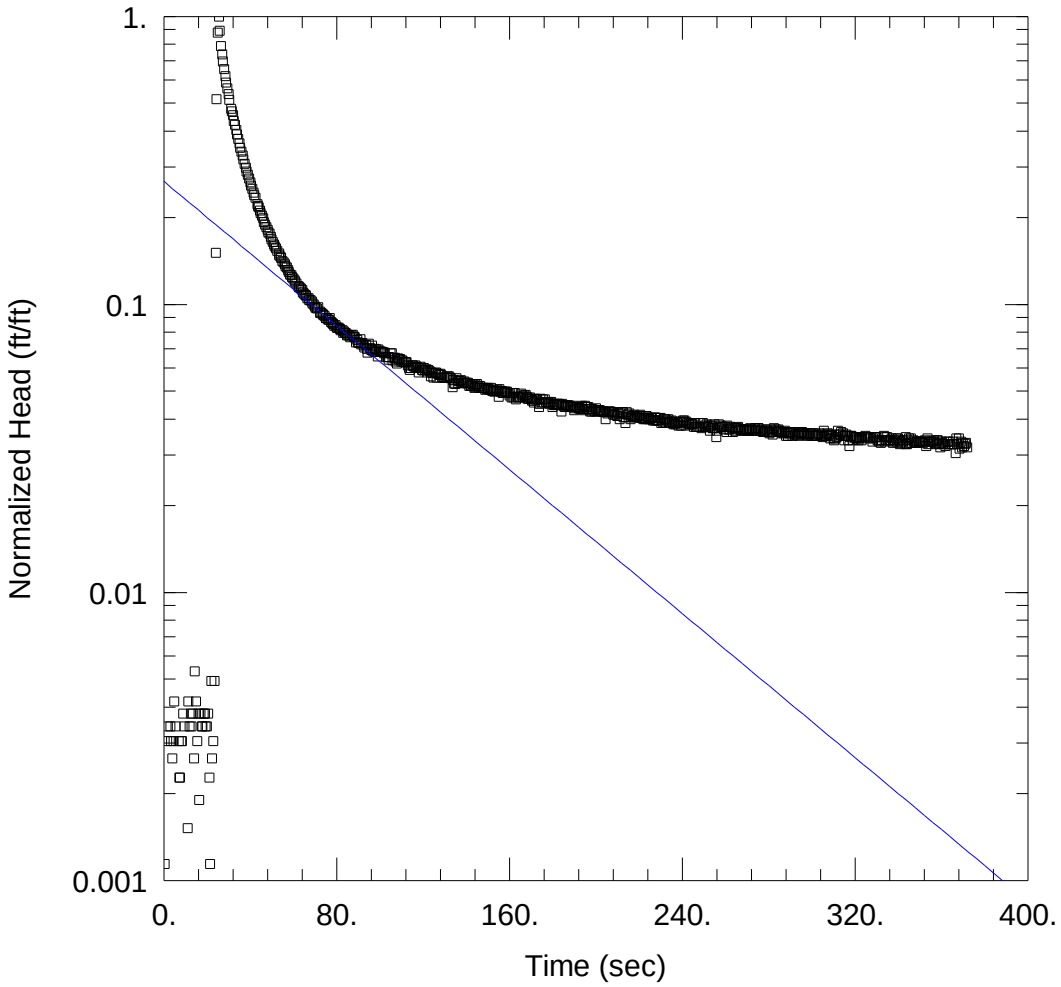
Saturated Thickness: 12. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-15B)

Initial Displacement: 2.79 ft
Total Well Penetration Depth: 12. ft
Casing Radius: 1. ft
Static Water Column Height: 41.52 ft
Screen Length: 10. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 0.002395 ft/sec
y0 = 0.6773 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW15B-1SO.aqt
Date: 01/05/15 Time: 16:05:00

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 15B-1SO
Test Date: 12/1/2014

AQUIFER DATA

Saturated Thickness: 12. ft
Anisotropy Ratio (Kz/Kr): 1.

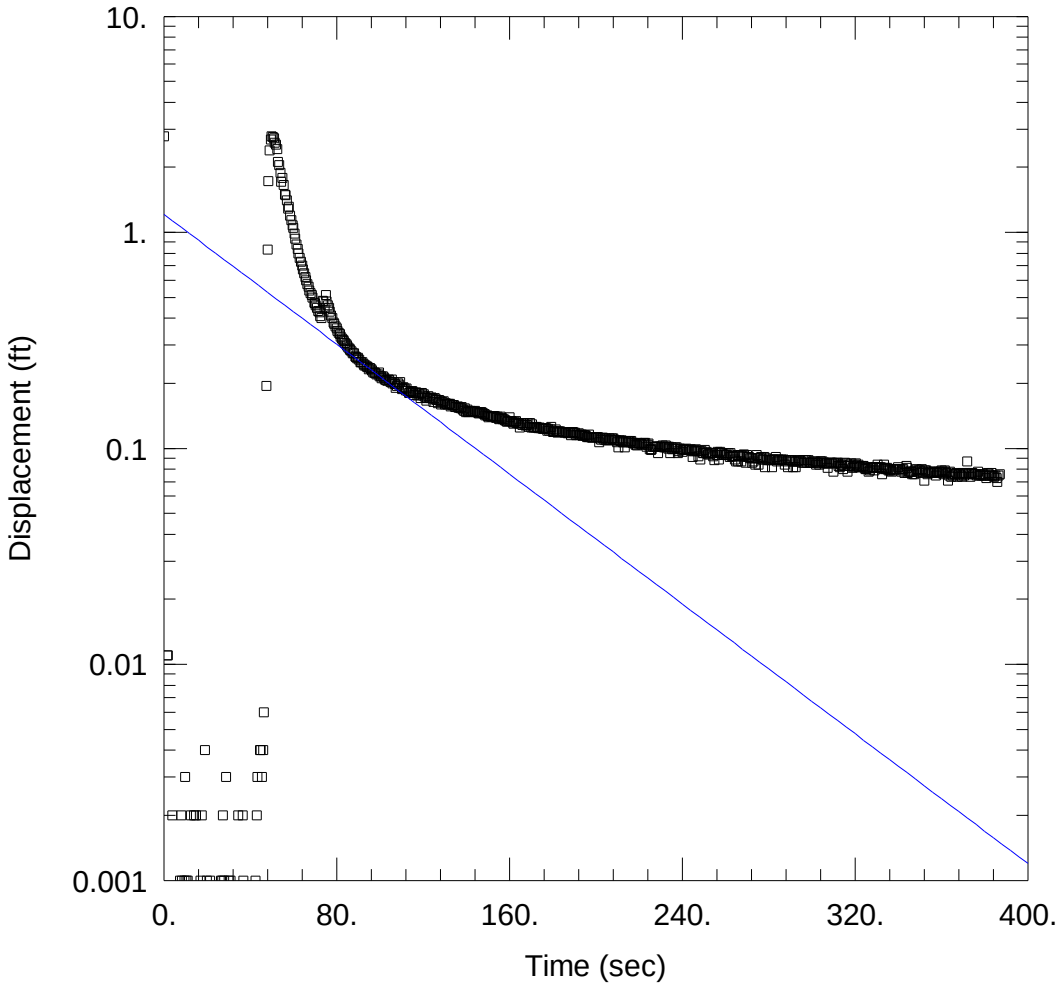
WELL DATA (MW-15B)

Initial Displacement: -2.635 ft
Total Well Penetration Depth: 12. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 41.52 ft
Screen Length: 10. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice

K = 1.462E-5 ft/sec
y0 = -0.7039 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW15B-2SI.aqt
Date: 01/05/15 Time: 16:05:26

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 15B-2SI
Test Date: 12/1/2014

AQUIFER DATA

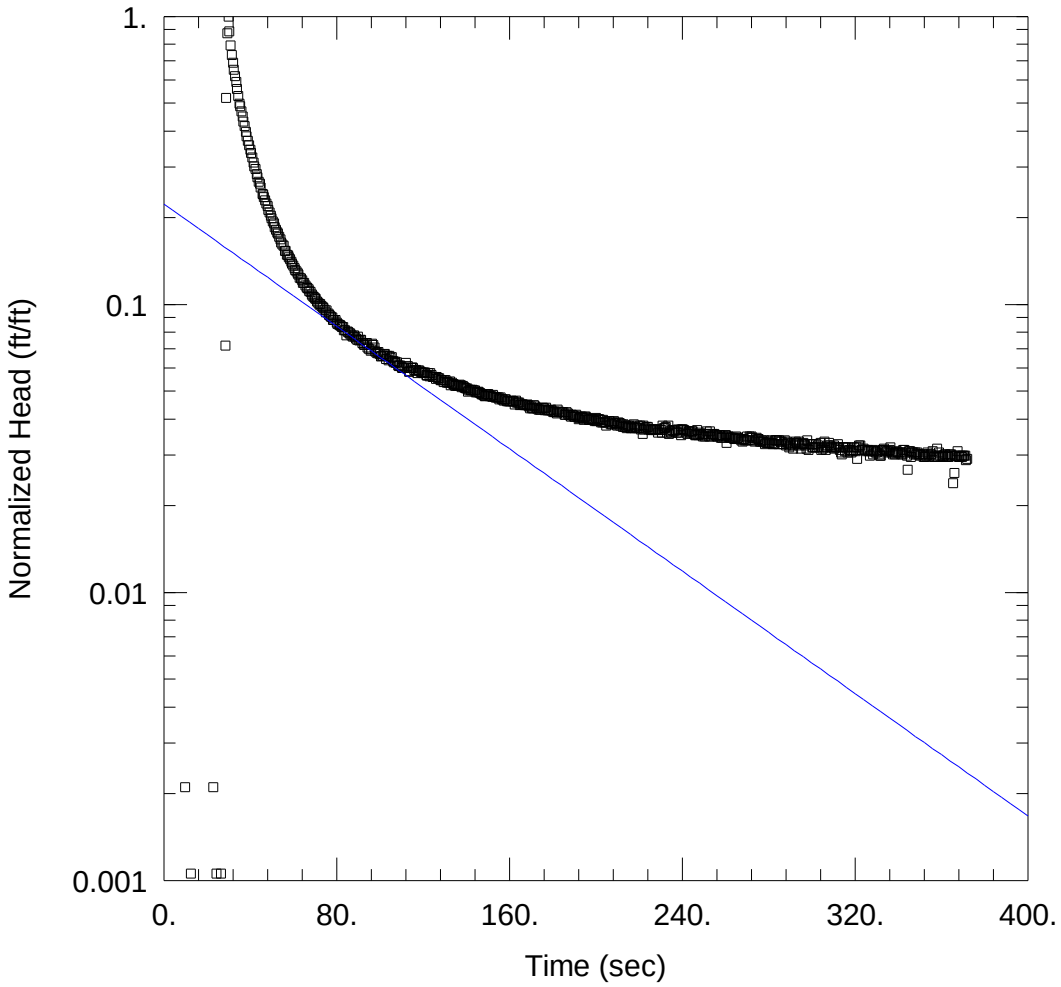
Saturated Thickness: 12. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-15B)

Initial Displacement: 2.786 ft
Total Well Penetration Depth: 12. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 41.52 ft
Screen Length: 10. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 1.757E-5 ft/sec
y0 = 1.212 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW15B-2SO.aqt
Date: 01/05/15 Time: 16:06:07

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 15B-2SO
Test Date: 12/1/2014

AQUIFER DATA

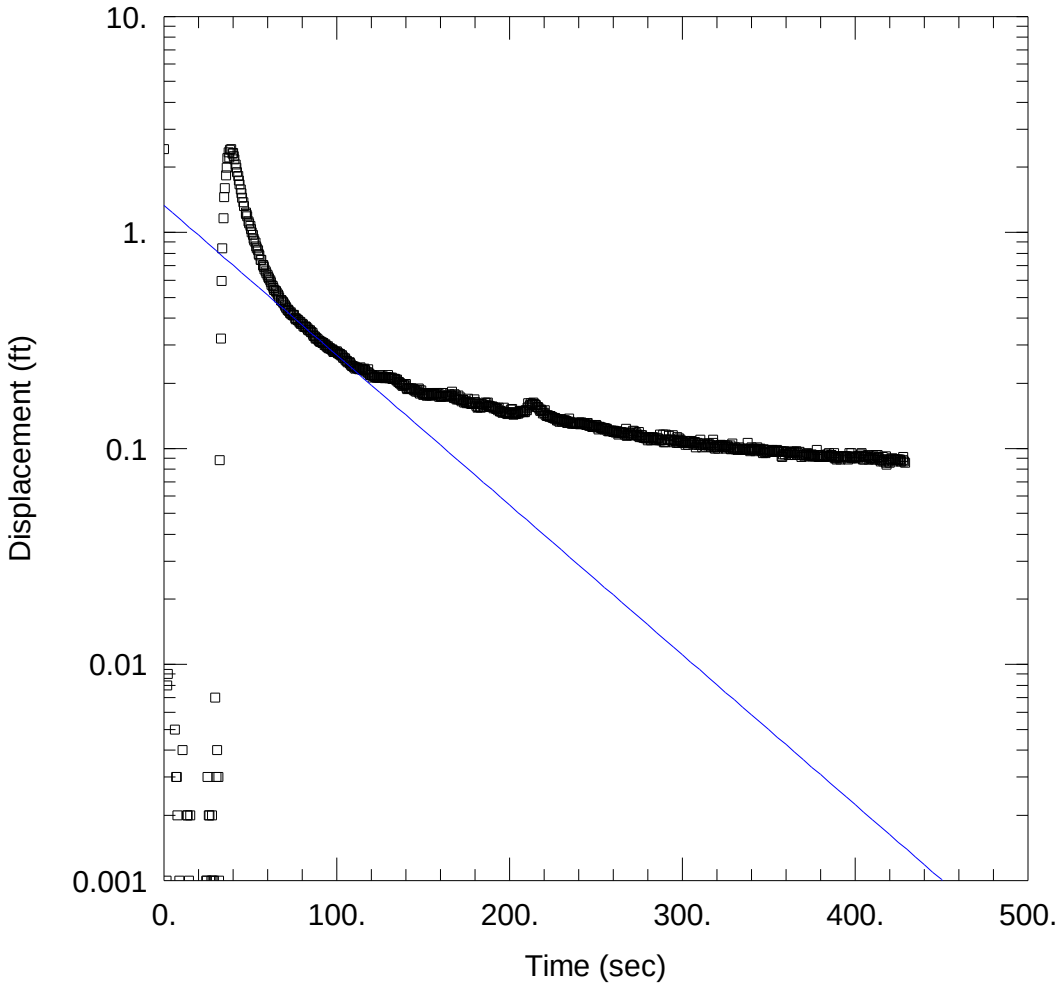
Saturated Thickness: 12. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-15B)

Initial Displacement: -2.849 ft
Total Well Penetration Depth: 12. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 41.52 ft
Screen Length: 10. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 1.242E-5 ft/sec
y0 = -0.6357 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW15B-3SI.aqt
Date: 01/05/15 Time: 16:06:49

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 15B-3SI
Test Date: 12/1/2014

AQUIFER DATA

Saturated Thickness: 12. ft
Anisotropy Ratio (Kz/Kr): 1.

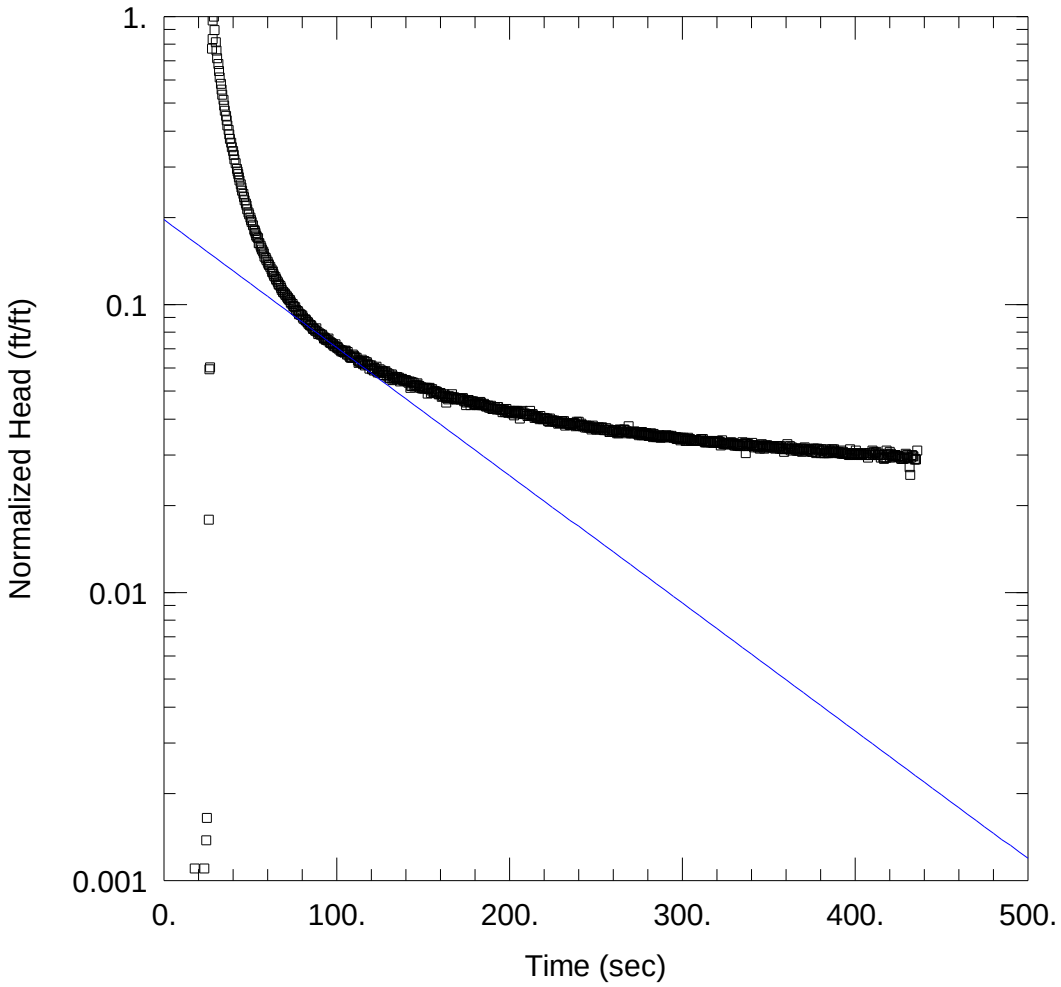
WELL DATA (MW-15B)

Initial Displacement: 2.429 ft
Total Well Penetration Depth: 12. ft
Casing Radius: 0.0833 ft
Static Water Column Height: 41.52 ft
Screen Length: 10. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice

K = 1.623E-5 ft/sec
y0 = 1.336 ft



WELL TEST ANALYSIS

Data Set: P:\...\MW15B-3SO.aqt
Date: 01/05/15 Time: 16:07:17

PROJECT INFORMATION

Company: AECOM
Client: PEPCO Benning Road
Project: 60287343
Location: 3400 Benning Road
Test Well: 15B-3SO
Test Date: 12/1/2014

AQUIFER DATA

Saturated Thickness: 12. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-15B)

Initial Displacement: -3.64 ft
Total Well Penetration Depth: 12. ft
Casing Radius: 0.833 ft
Static Water Column Height: 41.52 ft
Screen Length: 10. ft
Well Radius: 0.25 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice

K = 0.001037 ft/sec
y0 = -0.7154 ft