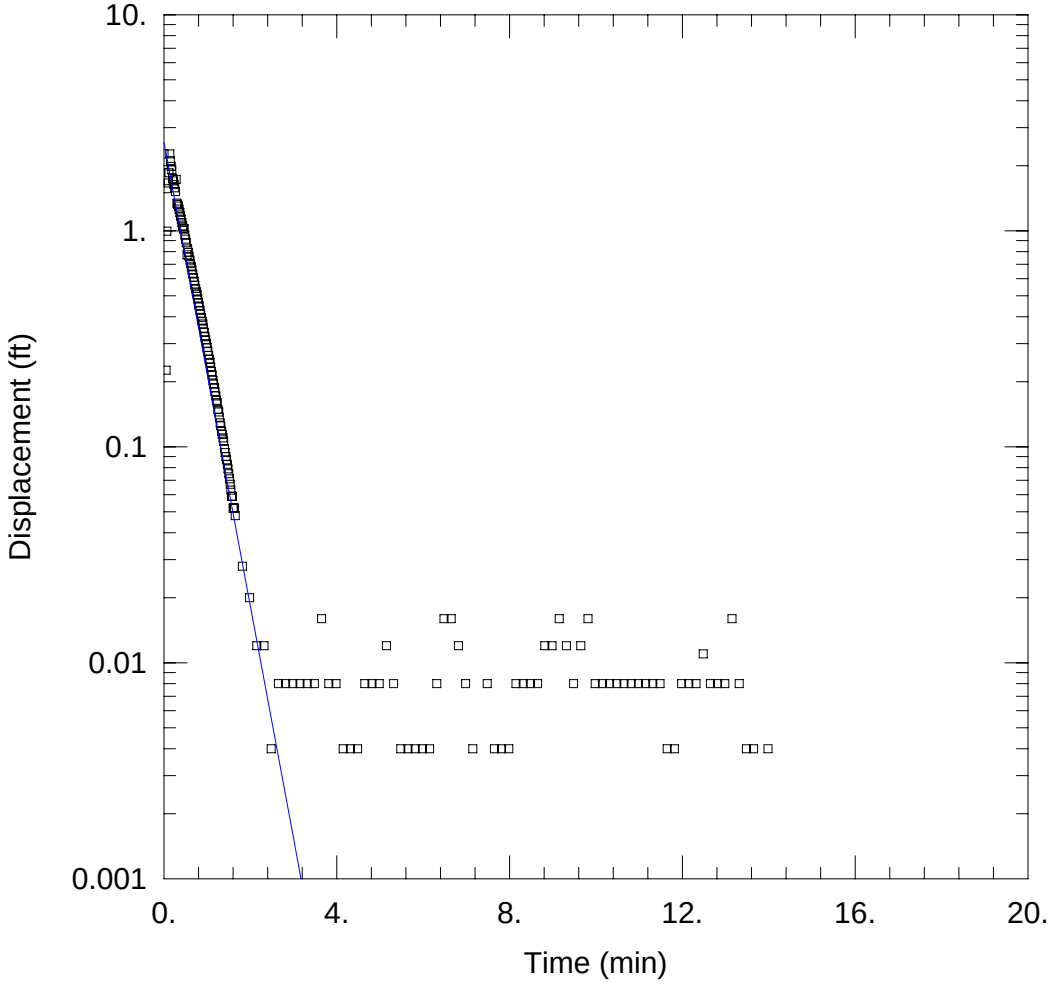
Appendix N

Slug Testing Data Files

Northwest Boundary Area RCRA Facility Investigation
Fort Buchanan, Puerto Rico



MW-01 FALLING

Data Set: \...\MW-PR-01 FALLING.aqt
Date: 11/17/08 Time: 09:52:10

PROJECT INFORMATION

Company: EA Engineering
Project: 6191717
Test Location: Fort Buchanan
Test Well: MW-01
Test Date: 1/11/07

AQUIFER DATA

Saturated Thickness: 40. ft Anisotropy Ratio (Kz/Kr): 0.5

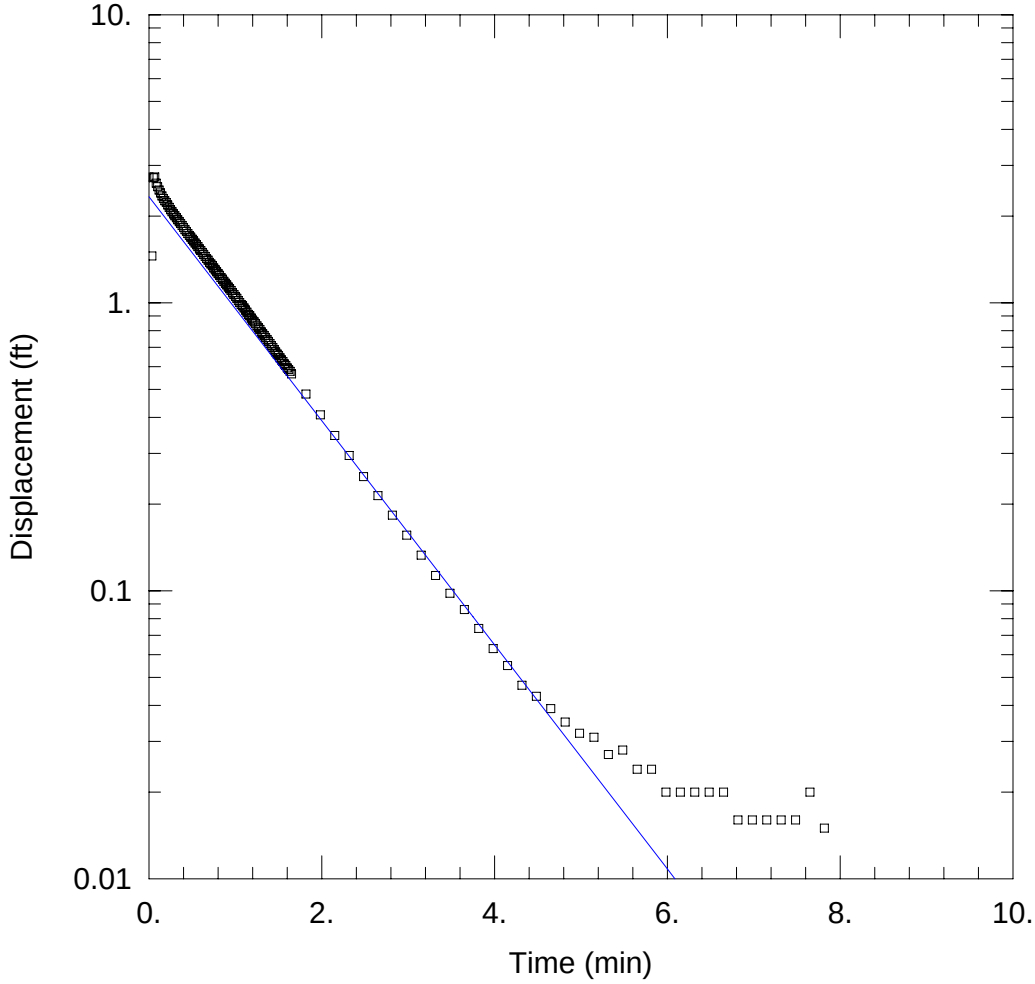
WELL DATA (MW-01)

Initial Displacement: 2.269 ft Water Column Height: 13.3 ft
Casing Radius: 0.08333 ft Wellbore Radius: 0.3333 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 0.01208 ft/min y0 = 2.566 ft



MW-01 RISING

Data Set: \...\MW-PR-01 RISING.aqt
Date: 11/17/08 Time: 09:53:21

PROJECT INFORMATION

Company: EA Engineering
Project: 6191717
Test Location: Fort Buchanan
Test Well: MW-01
Test Date: 1/11/07

AQUIFER DATA

Saturated Thickness: 40. ft Anisotropy Ratio (Kz/Kr): 0.5

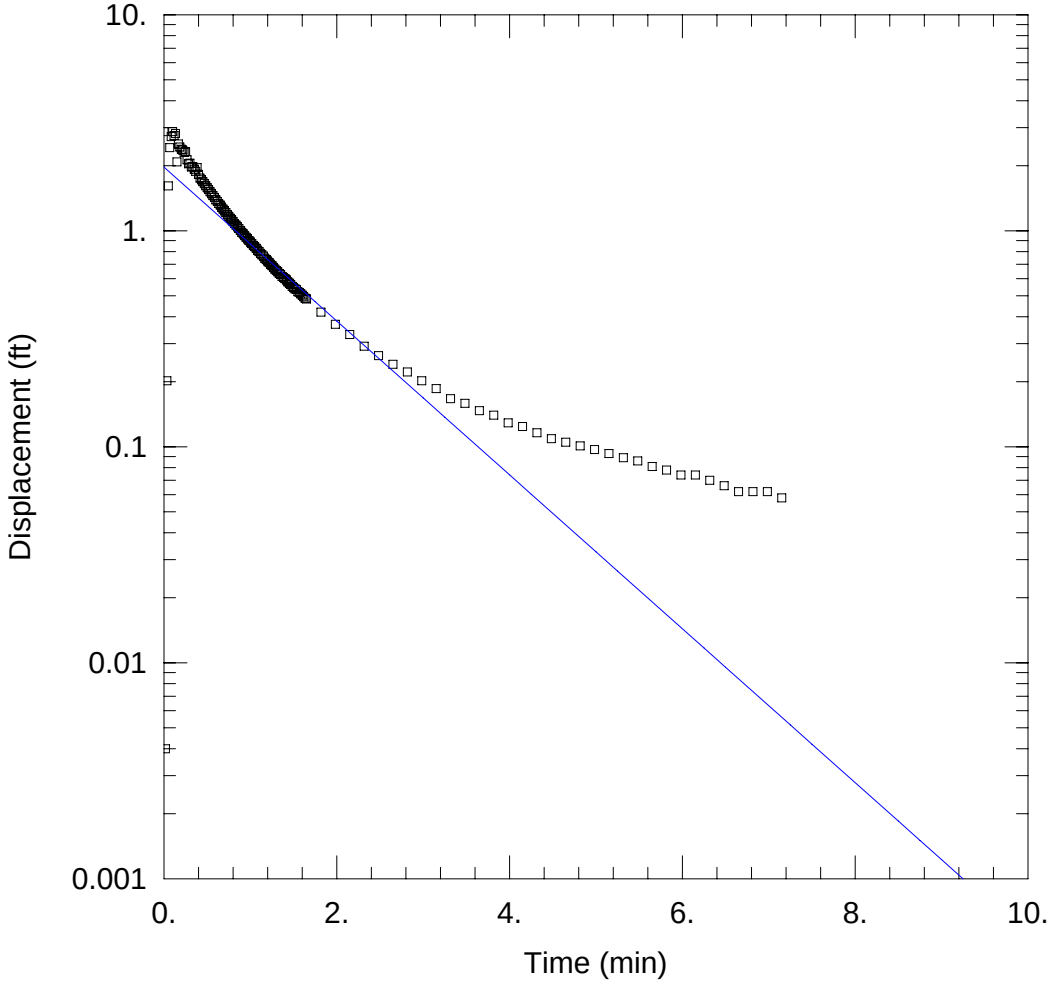
WELL DATA (MW-01)

Initial Displacement: 2.735 ft Water Column Height: 13.31 ft
Casing Radius: 0.08333 ft Wellbore Radius: 0.3333 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 0.004377 ft/min y0 = 2.335 ft



MW-02 FALLING

Data Set: \...\MW-PR-02 FALLING.aqt
Date: 11/17/08 Time: 09:53:57

PROJECT INFORMATION

Company: EA Engineering
Project: 6191717
Test Location: Fort Buchanan
Test Well: MW-02
Test Date: 1/11/07

AQUIFER DATA

Saturated Thickness: 40. ft Anisotropy Ratio (Kz/Kr): 0.5

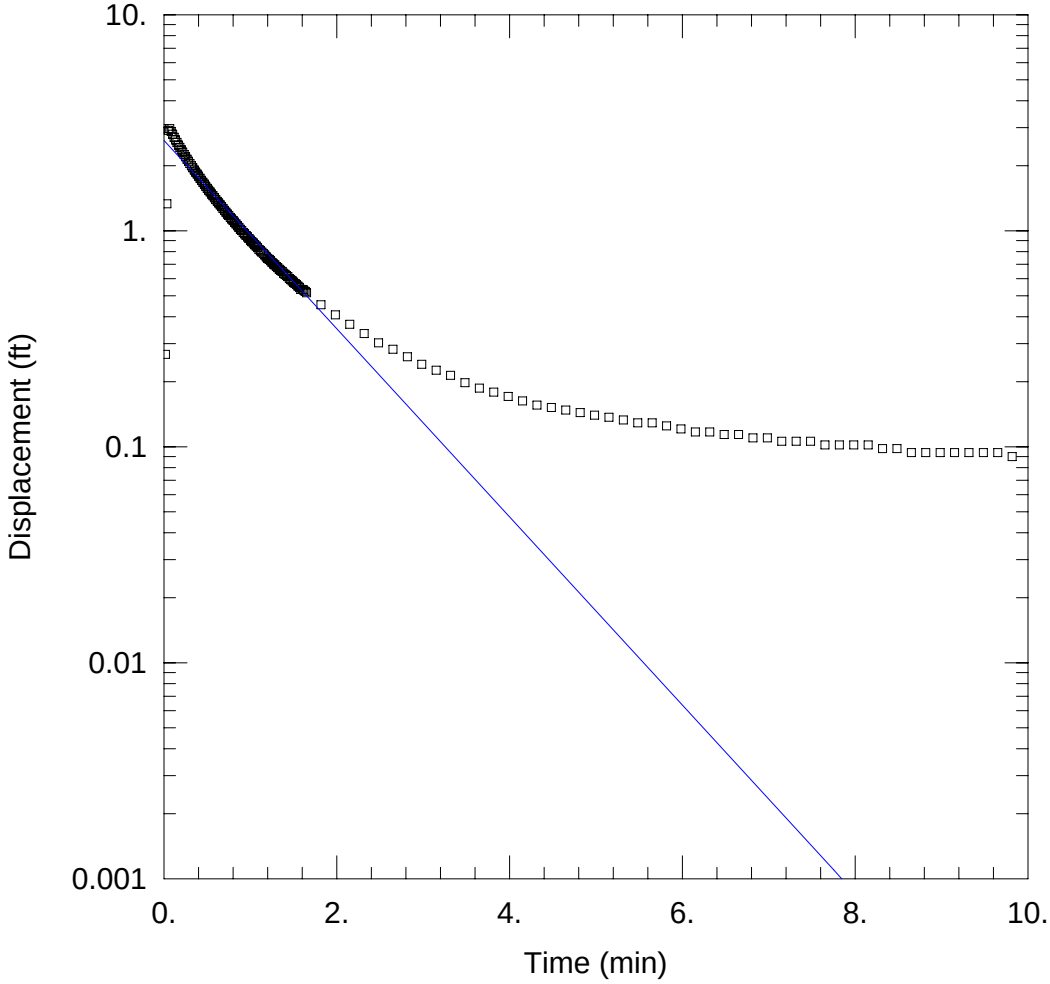
WELL DATA (MW-02)

Initial Displacement: 2.875 ft Water Column Height: 19.72 ft
Casing Radius: 0.08333 ft Wellbore Radius: 0.3333 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 0.004308 ft/min y0 = 1.971 ft



MW-02 RISING

Data Set: \...\MW-PR-02 RISING.aqt
Date: 11/17/08 Time: 09:54:28

PROJECT INFORMATION

Company: EA Engineering
Project: 6191717
Test Location: Fort Buchanan
Test Well: MW-02
Test Date: 1/11/07

AQUIFER DATA

Saturated Thickness: 40. ft Anisotropy Ratio (Kz/Kr): 0.5

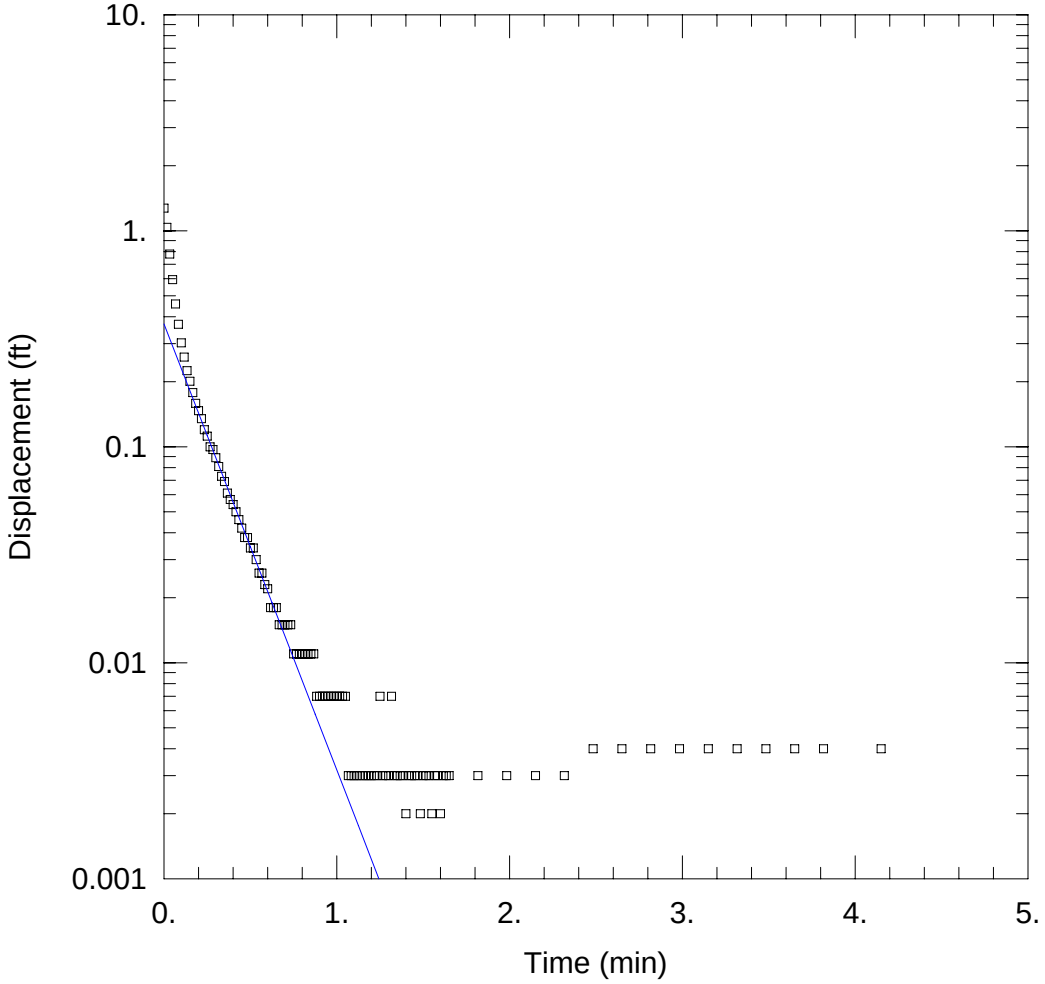
WELL DATA (MW-02)

Initial Displacement: 2.972 ft Water Column Height: 19.77 ft
Casing Radius: 0.08333 ft Wellbore Radius: 0.3333 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 0.00527 ft/min y0 = 2.617 ft



MW-03A RISING

Data Set: \...\MW-PR-03A RISING.aqt
Date: 11/17/08 Time: 09:54:54

PROJECT INFORMATION

Company: EA Engineering
Project: 6191717
Test Location: Fort Buchanan
Test Well: MW-03A
Test Date: 1/11/07

AQUIFER DATA

Saturated Thickness: 40. ft Anisotropy Ratio (Kz/Kr): 0.5

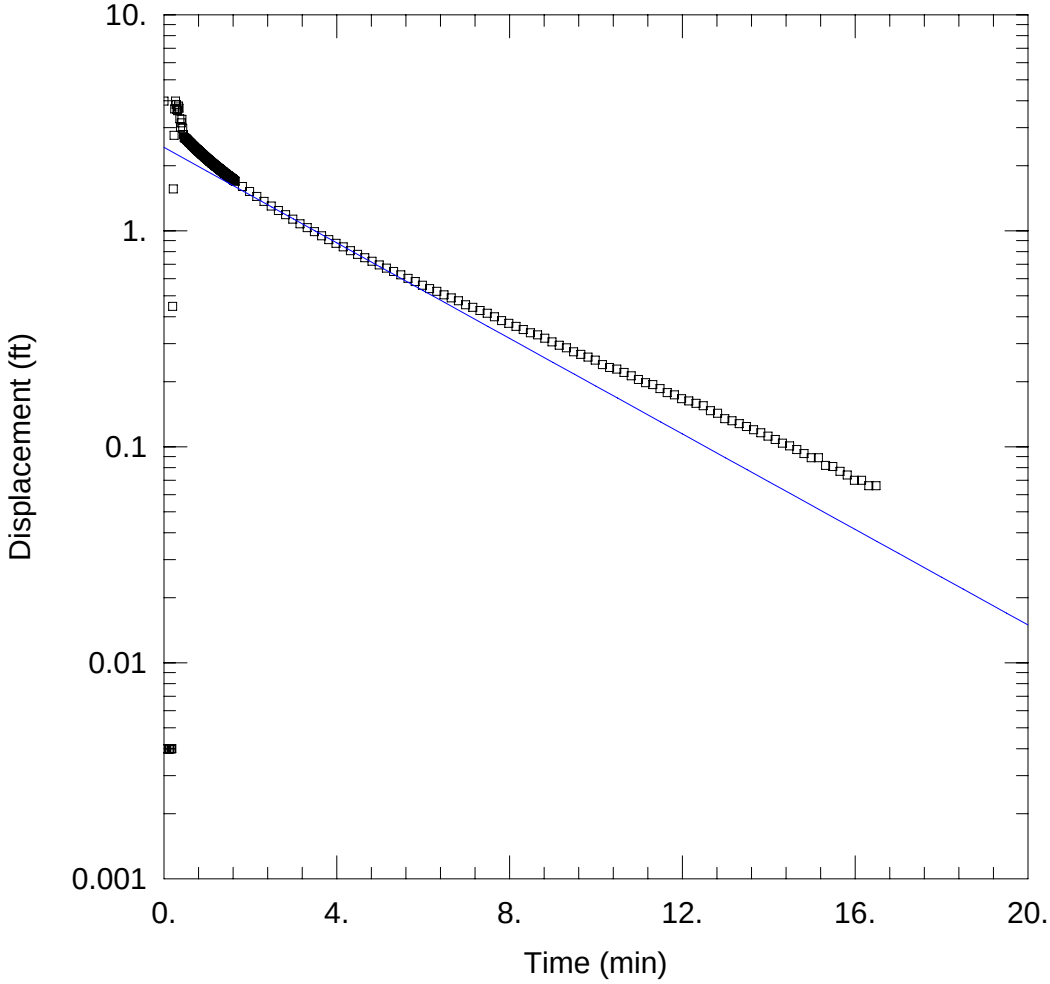
WELL DATA (MW-03A)

Initial Displacement: 1.274 ft Water Column Height: 5.029 ft
Casing Radius: 0.08333 ft Wellbore Radius: 0.3333 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 0.01889 ft/min y0 = 0.3703 ft



MW-03B FALLING

Data Set: \...\MW-PR-03B FALLING.aqt
Date: 11/12/08 Time: 15:09:03

PROJECT INFORMATION

Company: EA Engineering
Project: 6191717
Test Location: Fort Buchanan
Test Well: MW-03B
Test Date: 1/11/07

AQUIFER DATA

Saturated Thickness: 10. ft Anisotropy Ratio (Kz/Kr): 0.5

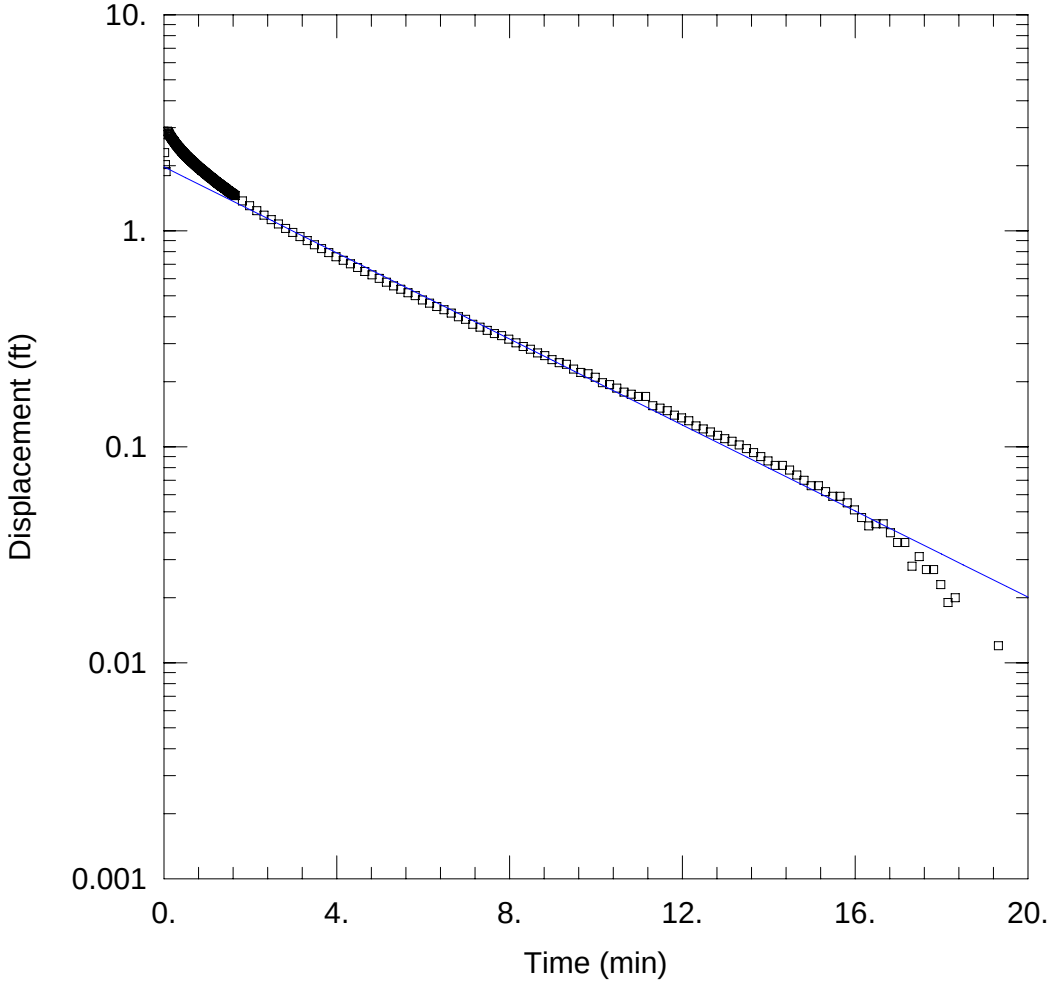
WELL DATA (MW-03B)

Initial Displacement: 3.986 ft Water Column Height: 36.05 ft
Casing Radius: 0.08333 ft Wellbore Radius: 0.3333 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 0.001617 ft/min y0 = 2.432 ft



MW-03B RISING

Data Set: \...\MW-PR-03B RISING.aqt
Date: 11/12/08 Time: 15:09:42

PROJECT INFORMATION

Company: EA Engineering
Project: 6191717
Test Location: Fort Buchanan
Test Well: MW-03B
Test Date: 1/11/07

AQUIFER DATA

Saturated Thickness: 10. ft Anisotropy Ratio (Kz/Kr): 0.5

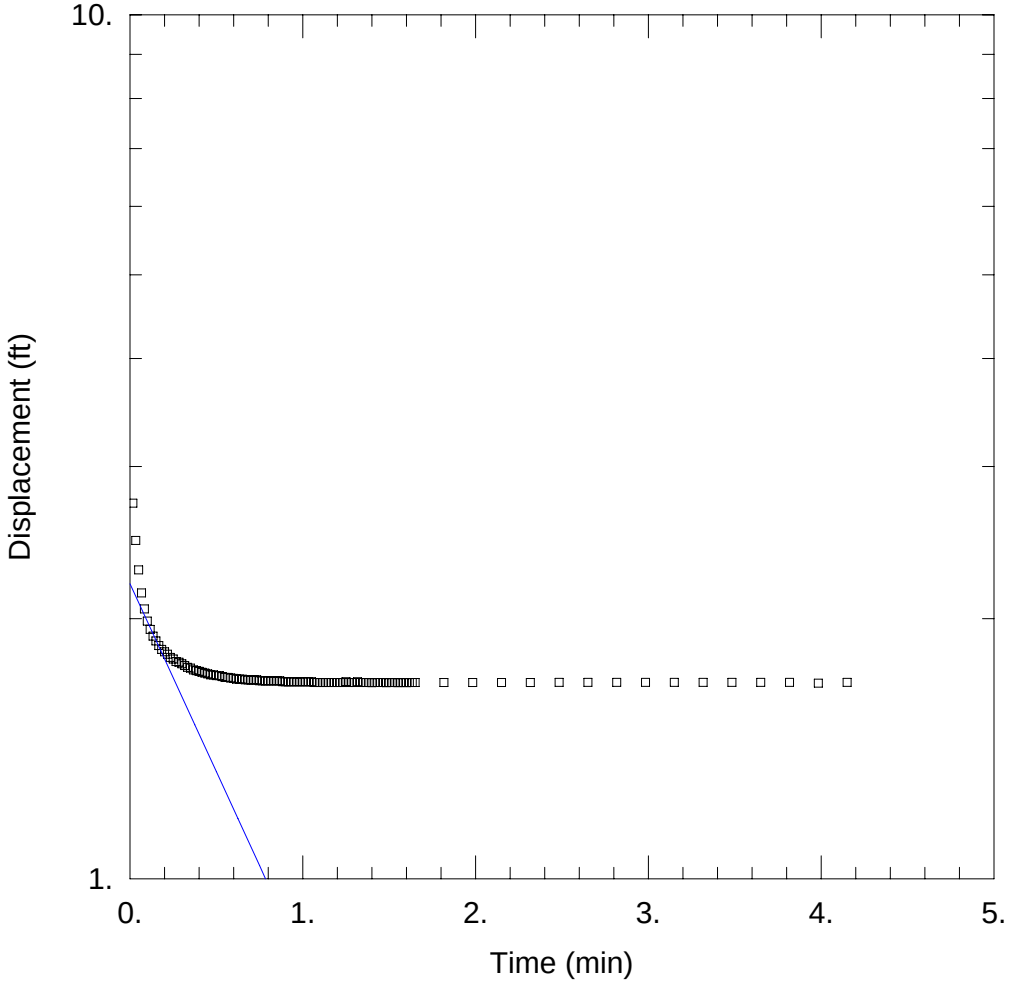
WELL DATA (MW-03B)

Initial Displacement: 2.891 ft Water Column Height: 32.98 ft
Casing Radius: 0.08333 ft Wellbore Radius: 0.3333 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 0.001435 ft/min y0 = 1.975 ft



MW-04A RISING

Data Set: \...\MW-PR-04A RISING.aqt
Date: 11/17/08 Time: 09:55:17

PROJECT INFORMATION

Company: EA Engineering
Project: 6191717
Test Location: Fort Buchanan
Test Well: MW-04A
Test Date: 1/11/07

AQUIFER DATA

Saturated Thickness: 40. ft Anisotropy Ratio (Kz/Kr): 0.5

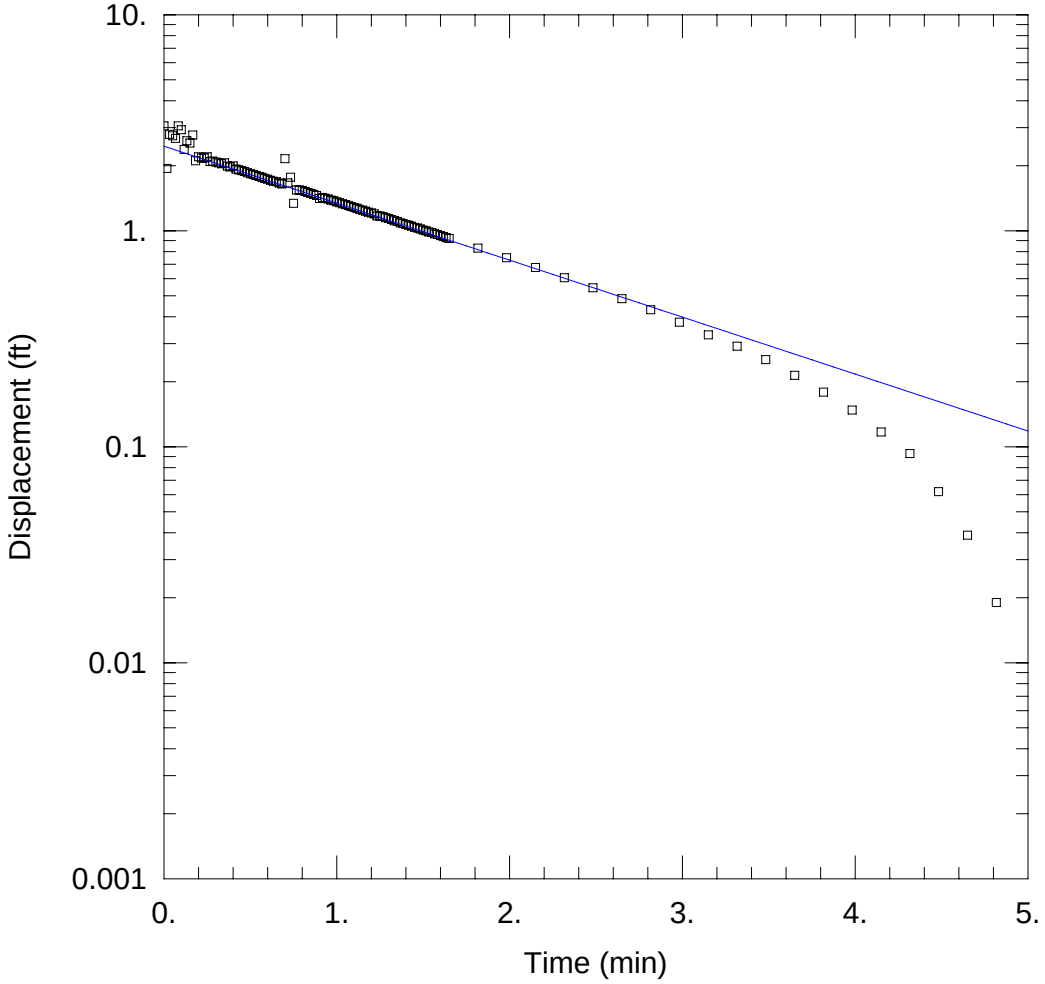
WELL DATA (MW-04A)

Initial Displacement: 0.96 ft Water Column Height: 7.987 ft
Casing Radius: 0.08333 ft Wellbore Radius: 0.3333 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 0.004423 ft/min y0 = 2.195 ft



MW-04B FALLING

Data Set: \...\MW-PR-04B FALLING.aqt
Date: 11/12/08 Time: 15:11:01

PROJECT INFORMATION

Company: EA Engineering
Project: 6191717
Test Location: Fort Buchanan
Test Well: MW-04B
Test Date: 1/11/07

AQUIFER DATA

Saturated Thickness: 10. ft Anisotropy Ratio (Kz/Kr): 0.5

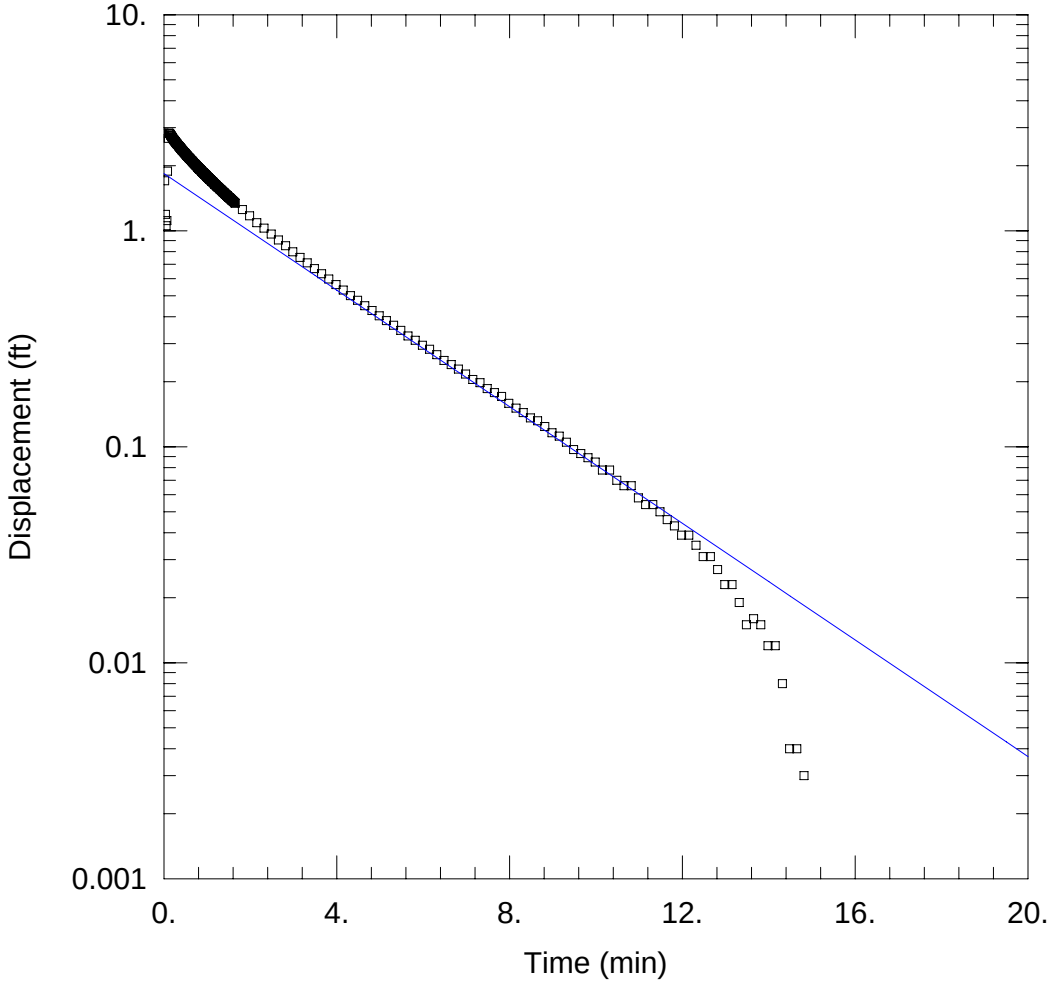
WELL DATA (MW-04B)

Initial Displacement: 3.061 ft Water Column Height: 43.77 ft
Casing Radius: 0.08333 ft Wellbore Radius: 0.3333 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 0.003982 ft/min y0 = 2.462 ft



MW-04B RISING

Data Set: \...\MW-PR-04B RISING.aqt
Date: 11/12/08 Time: 15:11:42

PROJECT INFORMATION

Company: EA Engineering
Project: 6191717
Test Location: Fort Buchanan
Test Well: MW-04B
Test Date: 1/11/07

AQUIFER DATA

Saturated Thickness: 10. ft Anisotropy Ratio (Kz/Kr): 0.5

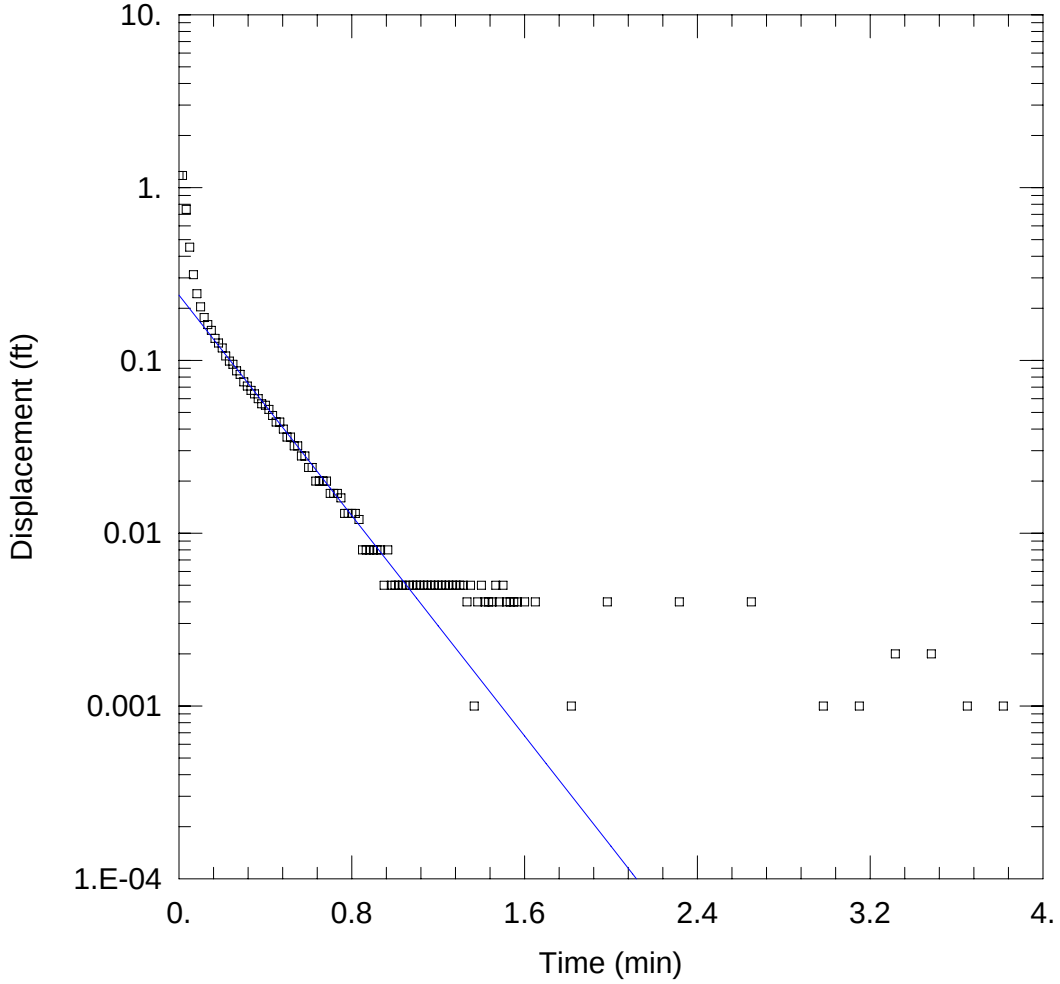
WELL DATA (MW-03B)

Initial Displacement: 2.831 ft Water Column Height: 43.2 ft
Casing Radius: 0.08333 ft Wellbore Radius: 0.3333 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 0.002034 ft/min y0 = 1.841 ft



MW-05A RISING

Data Set: \...\MW-PR-05A RISING.aqt
Date: 11/17/08 Time: 09:56:30

PROJECT INFORMATION

Company: EA Engineering
Project: 6191717
Test Location: Fort Buchanan
Test Well: MW-05A
Test Date: 1/10/07

AQUIFER DATA

Saturated Thickness: 40. ft Anisotropy Ratio (Kz/Kr): 0.5

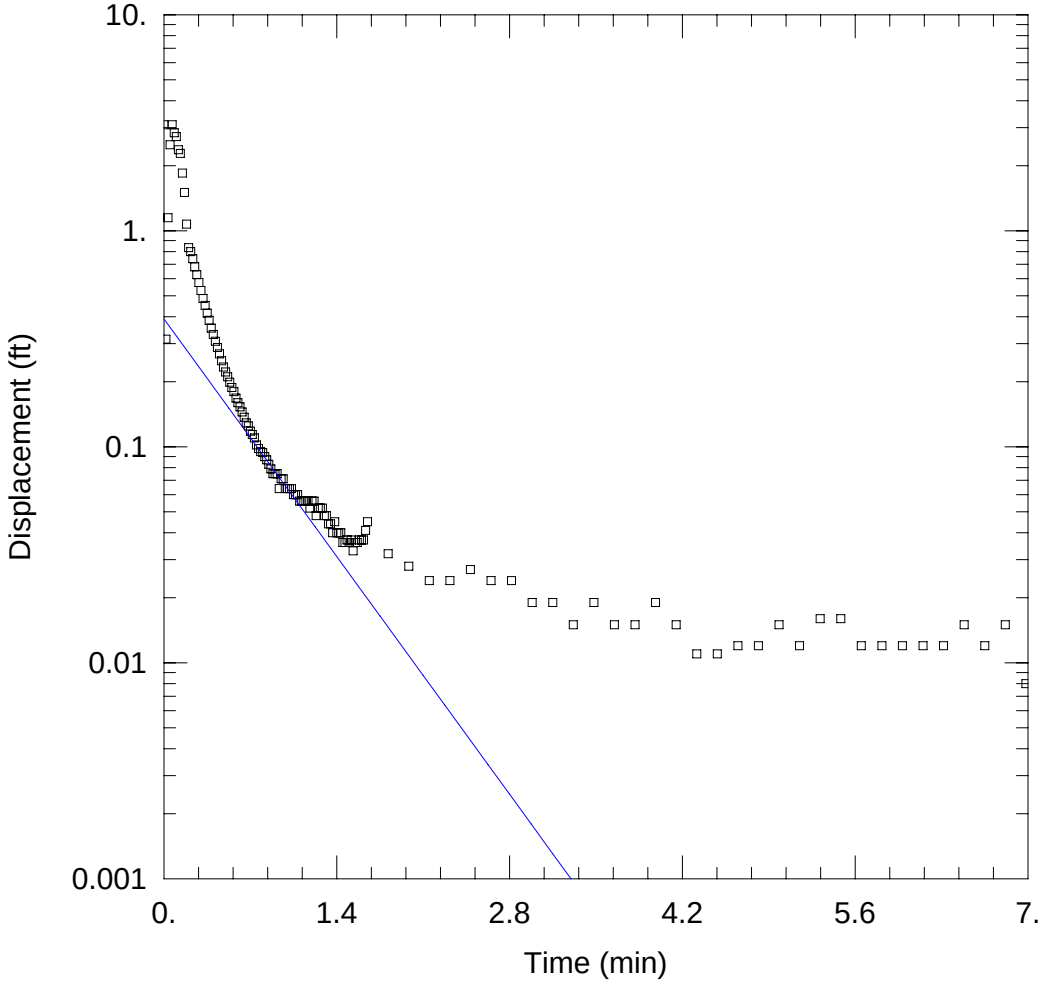
WELL DATA (MW-05A)

Initial Displacement: 1.175 ft Water Column Height: 6.409 ft
Casing Radius: 0.08333 ft Wellbore Radius: 0.3333 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 0.01545 ft/min y0 = 0.2383 ft



MW-05B FALLING

Data Set: \...\MW-PR-05B FALLING.aqt
Date: 11/12/08 Time: 15:12:58

PROJECT INFORMATION

Company: EA Engineering
Project: 6191717
Test Location: Fort Buchanan
Test Well: MW-05B
Test Date: 1/10/07

AQUIFER DATA

Saturated Thickness: 10. ft Anisotropy Ratio (Kz/Kr): 0.5

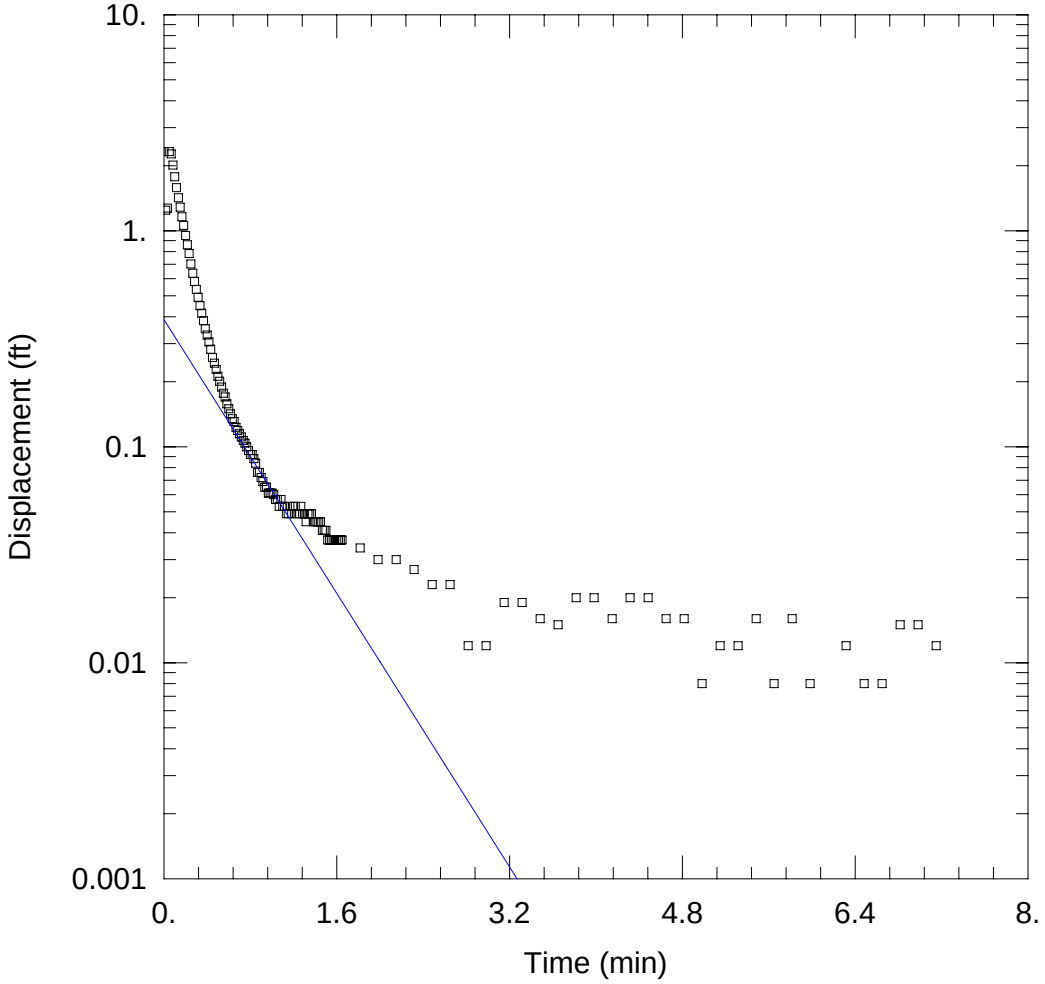
WELL DATA (MW-05B)

Initial Displacement: 3.097 ft Water Column Height: 38.11 ft
Casing Radius: 0.08333 ft Wellbore Radius: 0.3333 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 0.0116 ft/min y0 = 0.3905 ft



MW-05B RISING

Data Set: \...\MW-PR-05B RISING.aqt
Date: 11/12/08 Time: 15:20:21

PROJECT INFORMATION

Company: EA Engineering
Project: 6191717
Test Location: Fort Buchanan
Test Well: MW-05B
Test Date: 1/10/07

AQUIFER DATA

Saturated Thickness: 10. ft Anisotropy Ratio (Kz/Kr): 0.5

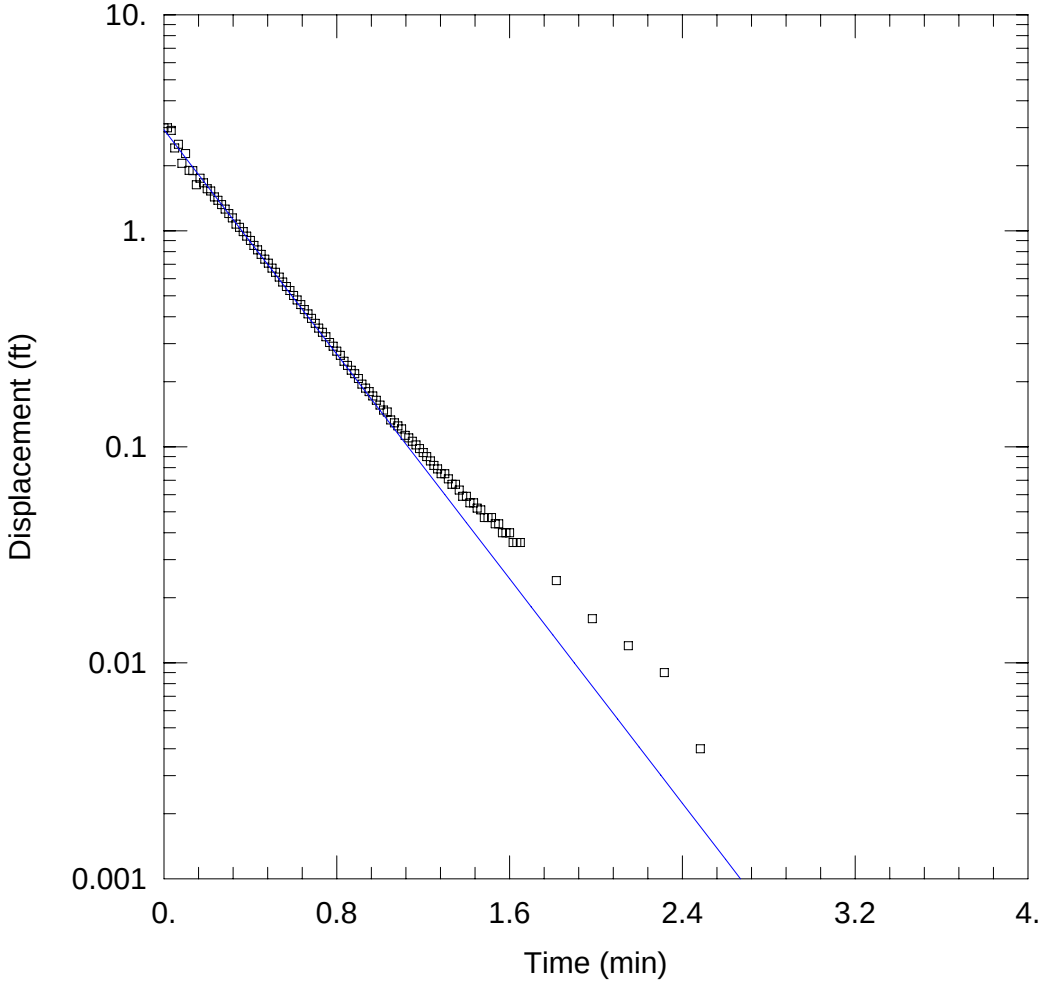
WELL DATA (MW-05B)

Initial Displacement: 2.326 ft Water Column Height: 38.1 ft
Casing Radius: 0.08333 ft Wellbore Radius: 0.3333 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 0.01169 ft/min y0 = 0.3874 ft



MW-06A FALLING

Data Set: \...\MW-PR-06A FALLING.aqt
Date: 11/12/08 Time: 15:21:14

PROJECT INFORMATION

Company: EA Engineering
Project: 6191717
Test Location: Fort Buchanan
Test Well: MW-06A
Test Date: 1/10/07

AQUIFER DATA

Saturated Thickness: 40. ft Anisotropy Ratio (Kz/Kr): 0.5

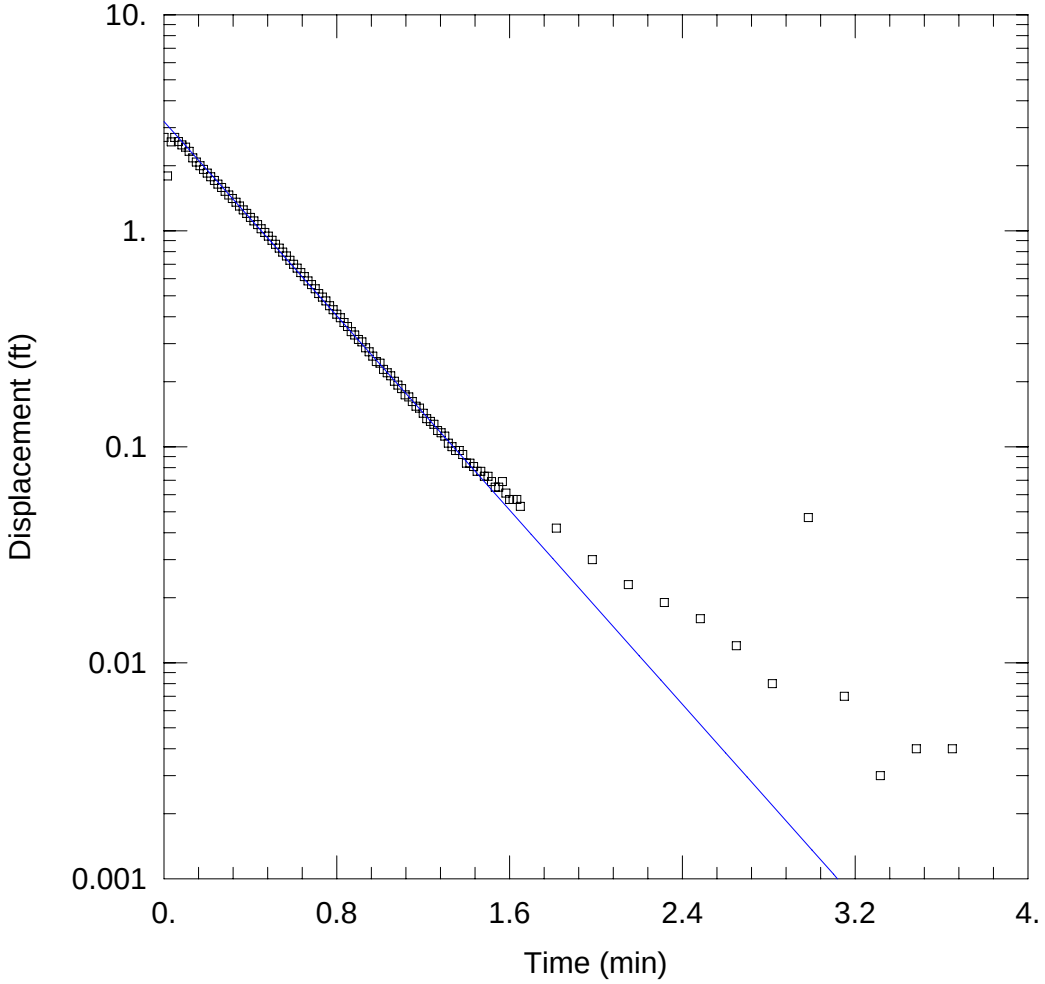
WELL DATA (MW-06A)

Initial Displacement: 2.995 ft Water Column Height: 13.02 ft
Casing Radius: 0.08333 ft Wellbore Radius: 0.3333 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 0.01456 ft/min y0 = 2.935 ft



MW-06A RISING

Data Set: \...\MW-PR-06A RISING.aqt
Date: 11/12/08 Time: 15:21:45

PROJECT INFORMATION

Company: EA Engineering
Project: 6191717
Test Location: Fort Buchanan
Test Well: MW-06A
Test Date: 1/10/07

AQUIFER DATA

Saturated Thickness: 40. ft Anisotropy Ratio (Kz/Kr): 0.5

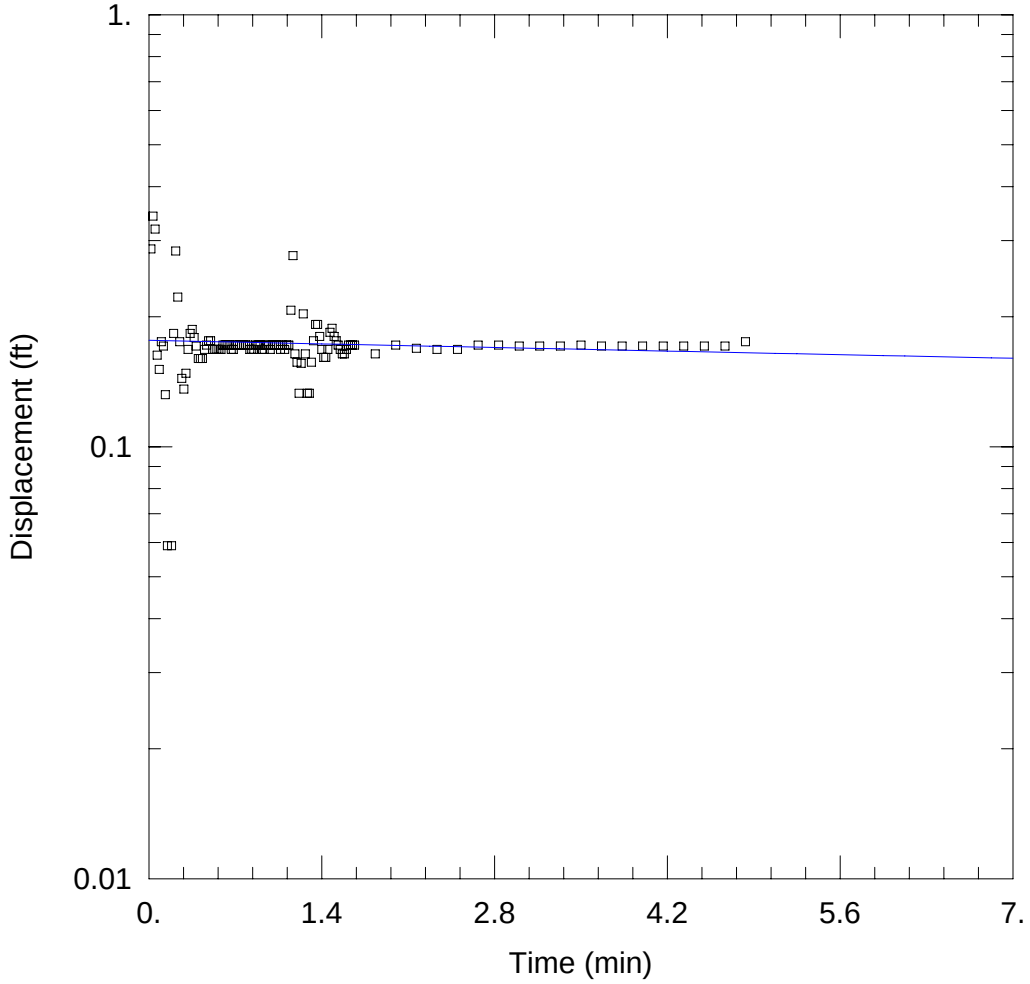
WELL DATA (MW-06A)

Initial Displacement: 2.704 ft Water Column Height: 12.98 ft
Casing Radius: 0.08333 ft Wellbore Radius: 0.3333 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 0.01259 ft/min y0 = 3.205 ft



MW-06B FALLING

Data Set: \...\MW-PR-06B FALLING.aqt
Date: 11/12/08 Time: 15:26:26

PROJECT INFORMATION

Company: EA Engineering
Project: 6191717
Test Location: Fort Buchanan
Test Well: MW-06B
Test Date: 1/10/07

AQUIFER DATA

Saturated Thickness: 10. ft Anisotropy Ratio (Kz/Kr): 0.5

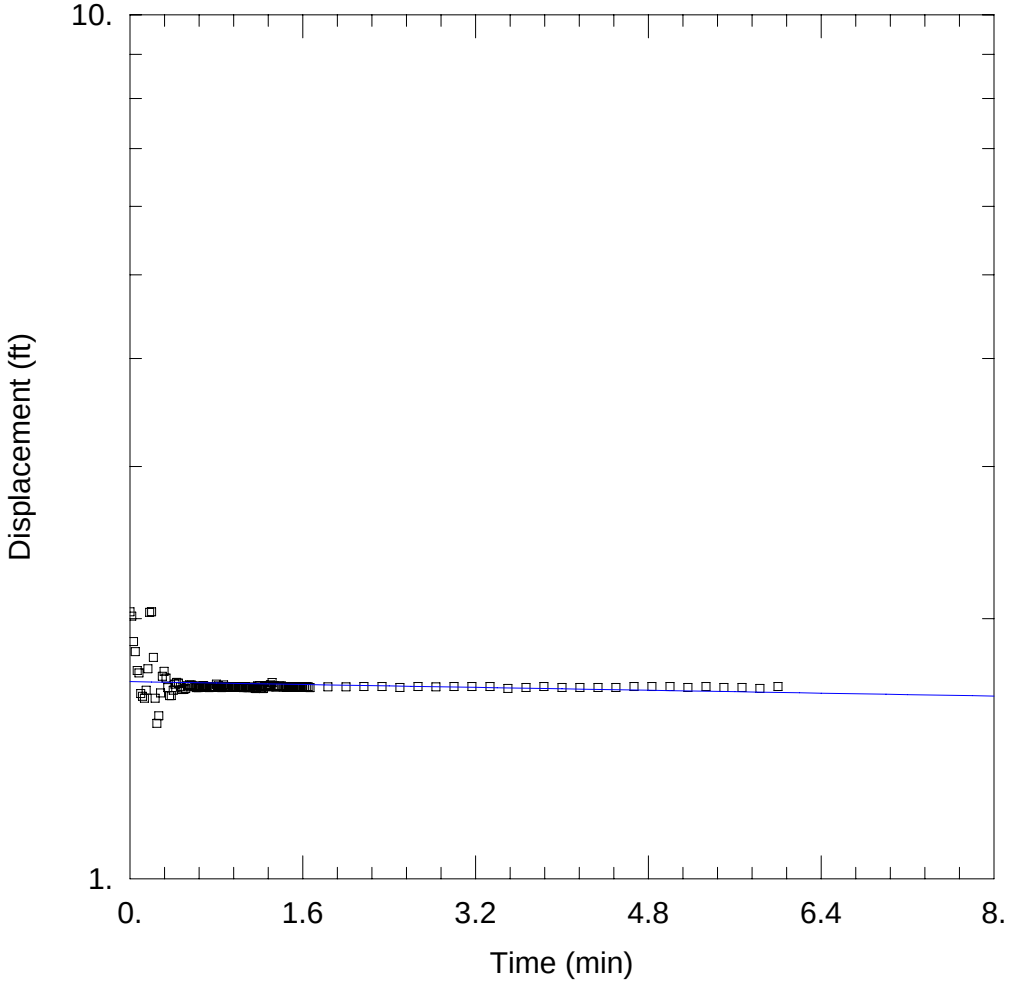
WELL DATA (MW-06B)

Initial Displacement: 1.84 ft Water Column Height: 41.7 ft
Casing Radius: 0.8333 ft Wellbore Radius: 0.3333 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 0.001211 ft/min y0 = 0.1764 ft



MW-06B RISING

Data Set: \...\MW-PR-06B RISING.aqt
Date: 11/12/08 Time: 15:27:03

PROJECT INFORMATION

Company: EA Engineering
Project: 6191717
Test Location: Fort Buchanan
Test Well: MW-06B
Test Date: 1/10/07

AQUIFER DATA

Saturated Thickness: 10. ft Anisotropy Ratio (Kz/Kr): 0.5

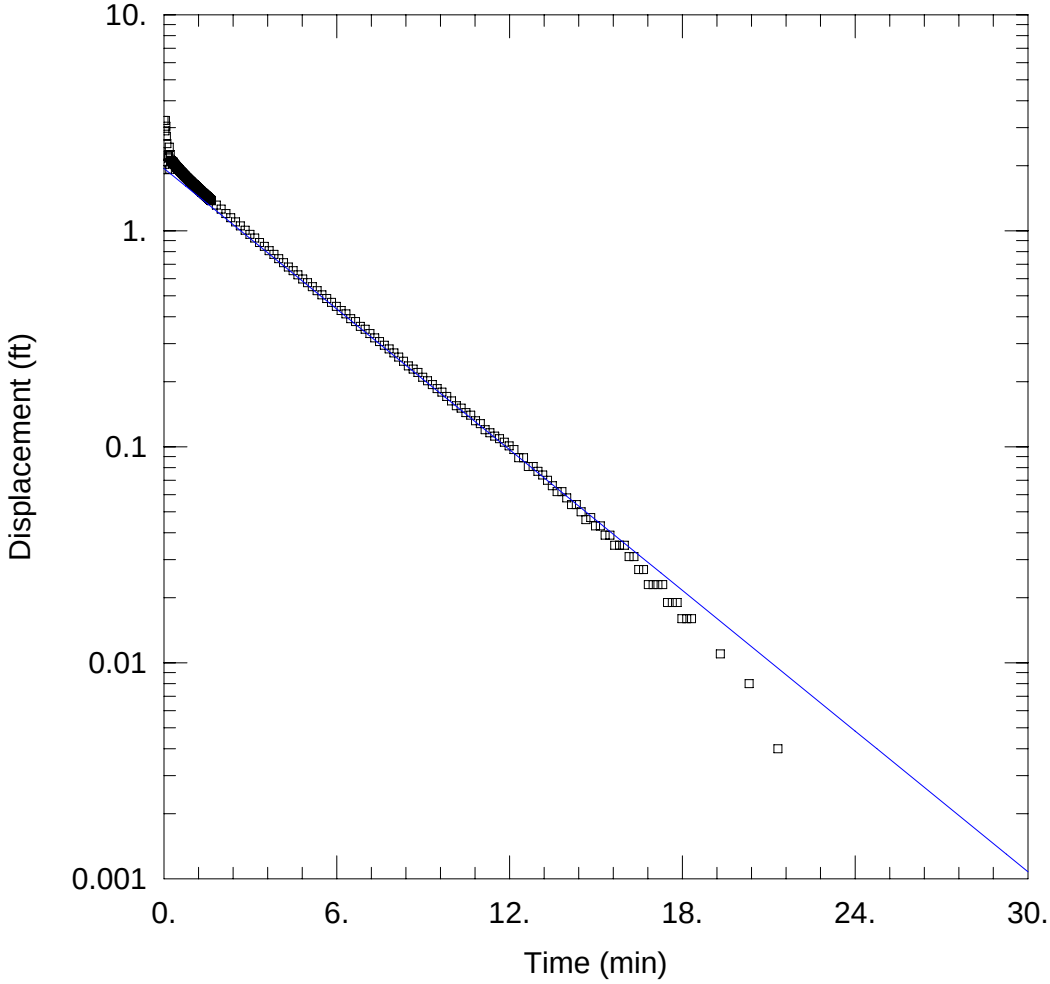
WELL DATA (MW-06B)

Initial Displacement: 2.037 ft Water Column Height: 41.7 ft
Casing Radius: 0.08333 ft Wellbore Radius: 0.3333 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 3.134E-05 ft/min y0 = 1.691 ft



MW-07A FALLING

Data Set: \...\MW-PR-07A FALLING.aqt
Date: 11/17/08 Time: 09:57:03

PROJECT INFORMATION

Company: EA Engineering
Project: 6191717
Test Location: Fort Buchanan
Test Well: MW-07A
Test Date: 1/10/07

AQUIFER DATA

Saturated Thickness: 40. ft
Anisotropy Ratio (Kz/Kr): 0.5

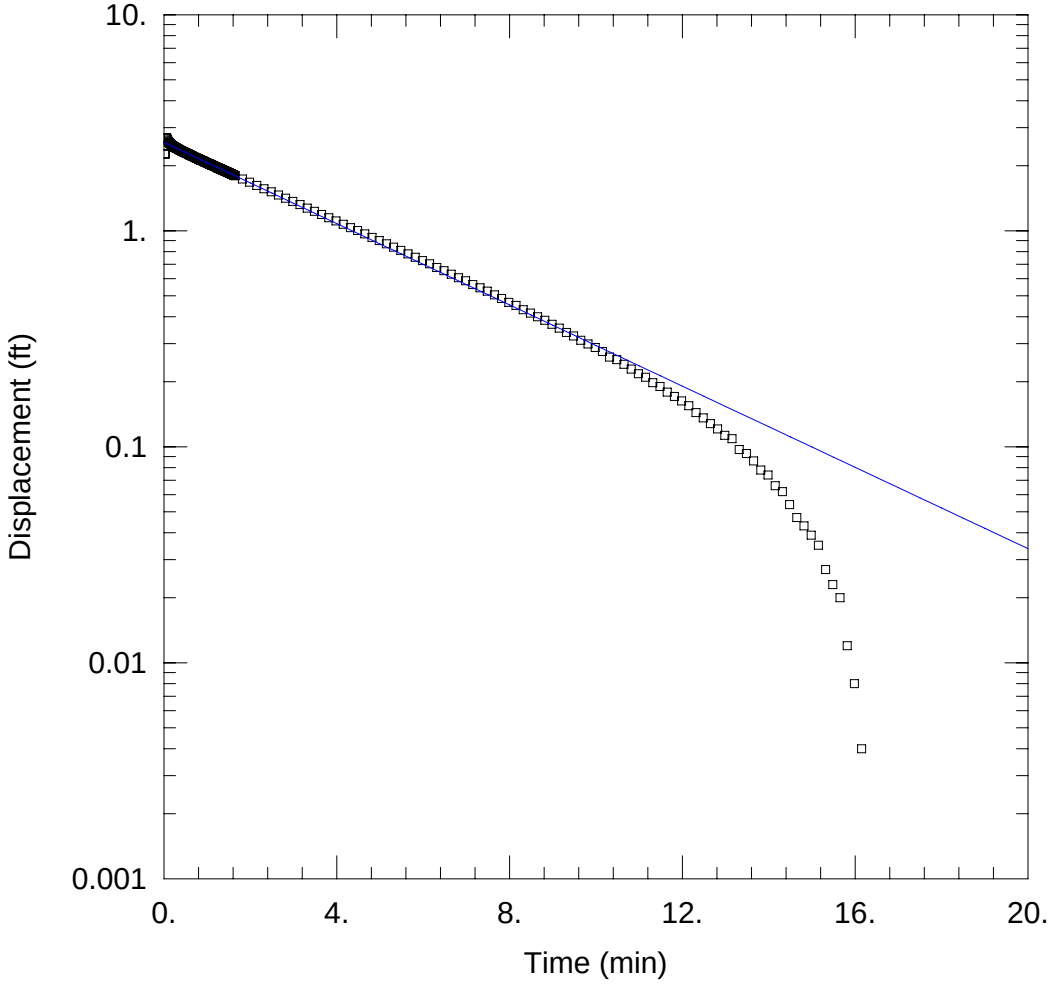
WELL DATA (MW-07A)

Initial Displacement: 3.244 ft
Water Column Height: 28.29 ft
Casing Radius: 0.08333 ft
Wellbore Radius: 0.3333 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice

K = 0.001408 ft/min
y0 = 1.944 ft



MW-07A RISING

Data Set: \...\MW-PR-07A RISING.aqt
Date: 11/17/08 Time: 09:57:28

PROJECT INFORMATION

Company: EA Engineering
Project: 6191717
Test Location: Fort Buchanan
Test Well: MW-07A
Test Date: 1/10/07

AQUIFER DATA

Saturated Thickness: 40. ft Anisotropy Ratio (Kz/Kr): 0.5

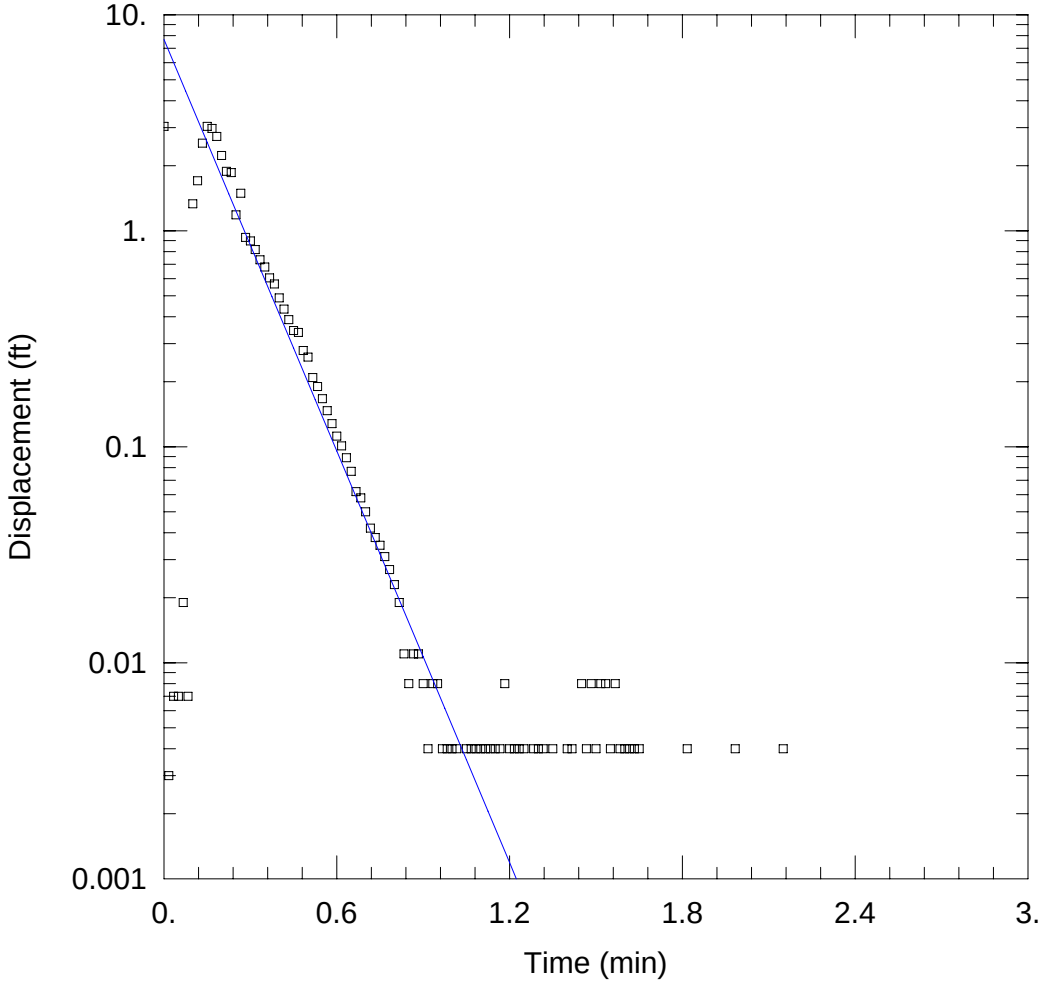
WELL DATA (MW-07A)

Initial Displacement: 2.7 ft Water Column Height: 28.08 ft
Casing Radius: 0.08333 ft Wellbore Radius: 0.3333 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 0.001218 ft/min y0 = 2.568 ft



MW-07B FALLING

Data Set: \...\MW-PR-07B FALLING.aqt
Date: 11/12/08 Time: 15:29:32

PROJECT INFORMATION

Company: EA Engineering
Project: 6191717
Test Location: Fort Buchanan
Test Well: MW-07B
Test Date: 1/10/07

AQUIFER DATA

Saturated Thickness: 10. ft Anisotropy Ratio (Kz/Kr): 0.5

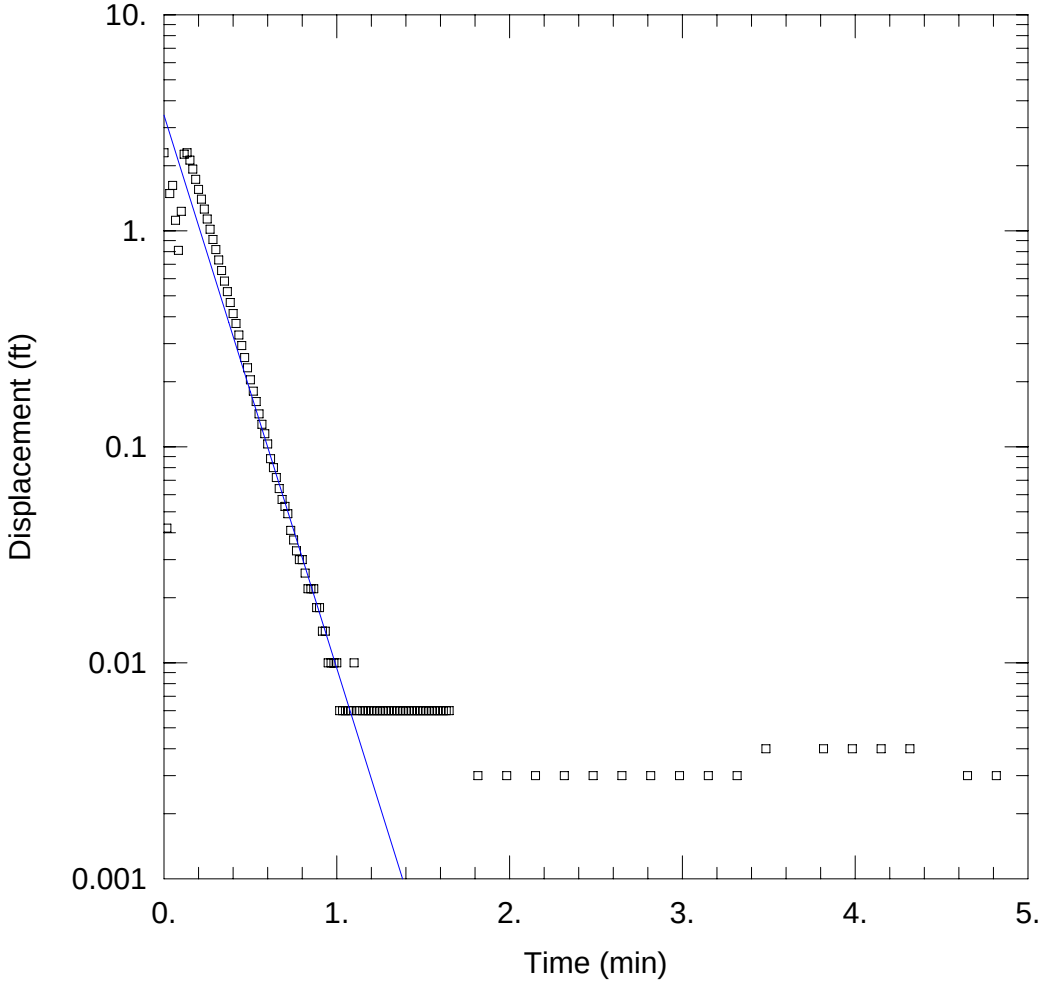
WELL DATA (MW-07B)

Initial Displacement: 3.041 ft Water Column Height: 22.54 ft
Casing Radius: 0.08333 ft Wellbore Radius: 0.3333 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 0.04273 ft/min y0 = 7.679 ft



MW-07B RISING

Data Set: \...\MW-PR-07B RISING.aqt
Date: 11/12/08 Time: 15:30:08

PROJECT INFORMATION

Company: EA Engineering
Project: 6191717
Test Location: Fort Buchanan
Test Well: MW-07B
Test Date: 1/10/07

AQUIFER DATA

Saturated Thickness: 10. ft Anisotropy Ratio (Kz/Kr): 0.5

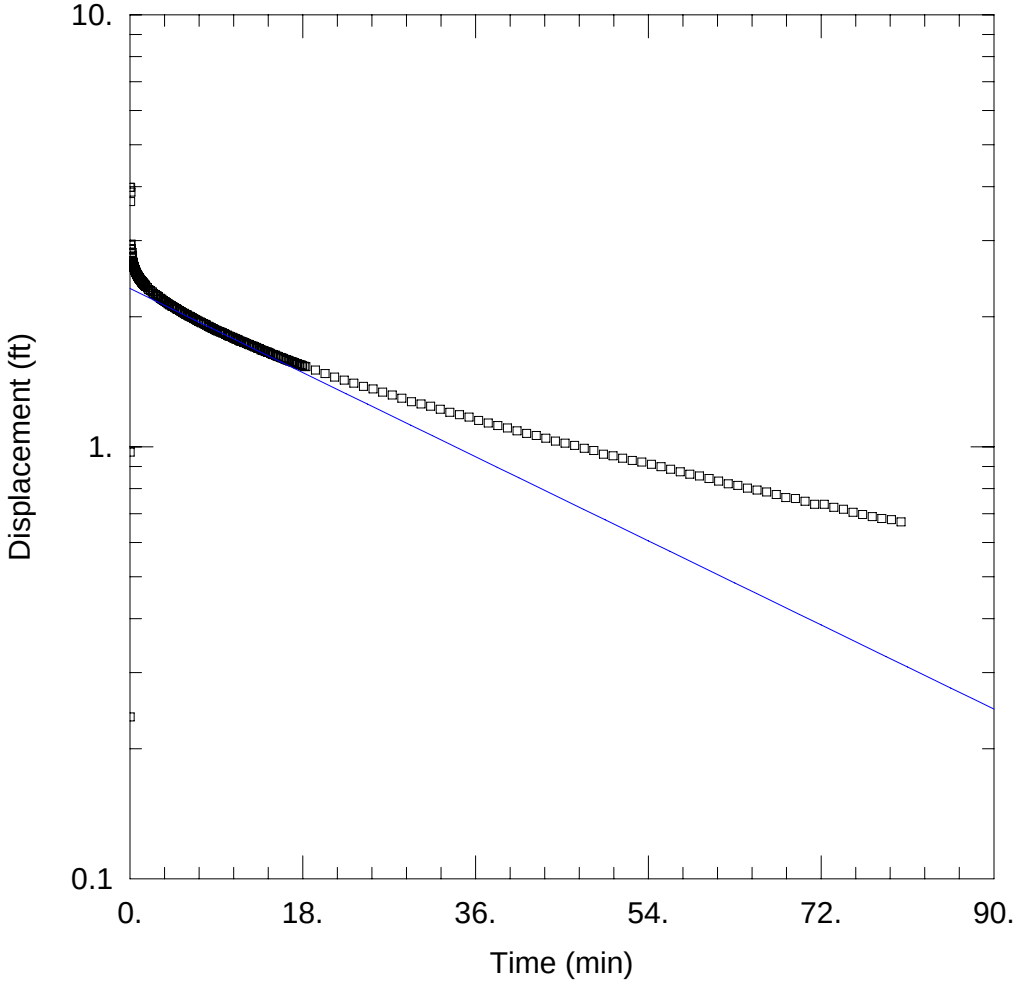
WELL DATA (MW-07B)

Initial Displacement: 2.298 ft Water Column Height: 22.55 ft
Casing Radius: 0.08333 ft Wellbore Radius: 0.3333 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 0.03446 ft/min y0 = 3.428 ft



MW-08A FALLING

Data Set: \...\MW-PR-08A FALLING.aqt
Date: 11/17/08 Time: 09:57:55

PROJECT INFORMATION

Company: EA Engineering
Project: 6191717
Test Location: Fort Buchanan
Test Well: MW-08A
Test Date: 1/10/07

AQUIFER DATA

Saturated Thickness: 40. ft Anisotropy Ratio (Kz/Kr): 0.5

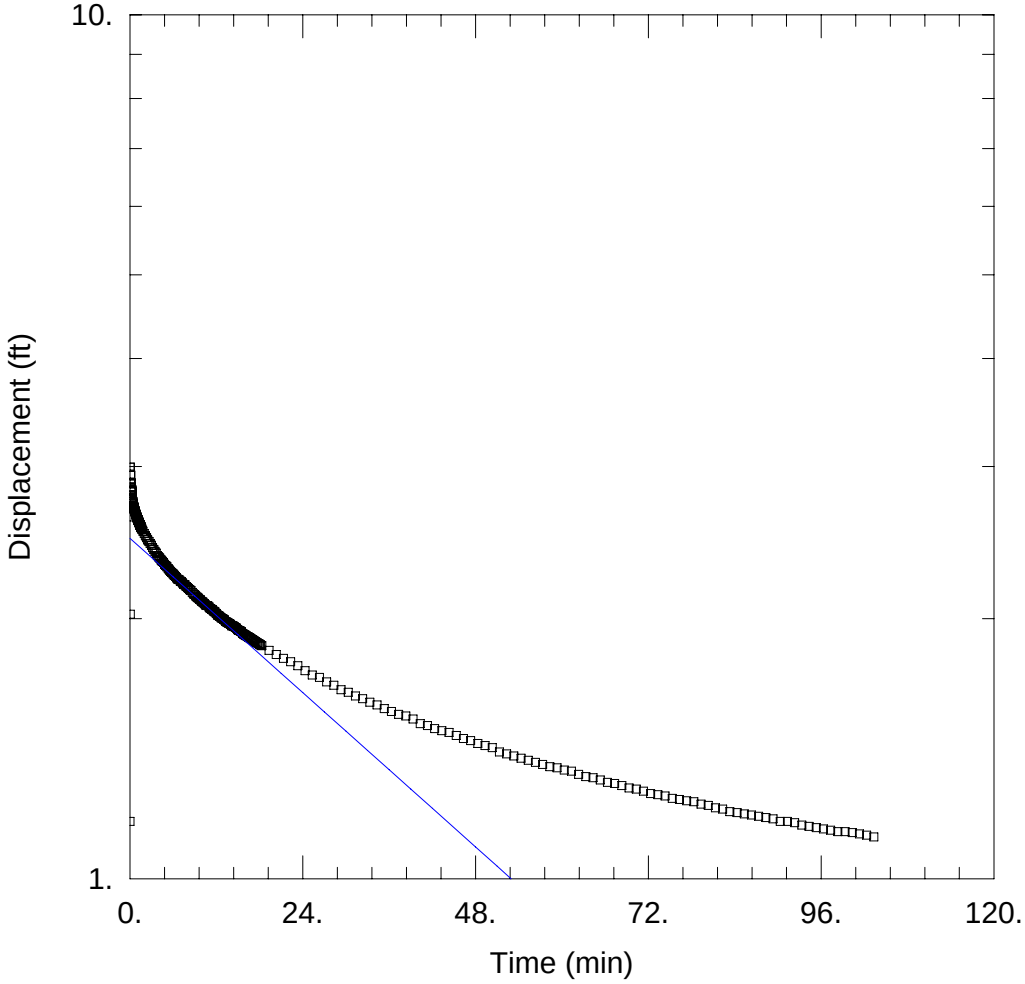
WELL DATA (MW-08A)

Initial Displacement: 3.986 ft Water Column Height: 13.76 ft
Casing Radius: 0.08333 ft Wellbore Radius: 0.3333 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 0.0001225 ft/min y0 = 2.325 ft



MW-08A RISING

Data Set: \...\MW-PR-08A RISING.aqt
Date: 11/17/08 Time: 09:58:17

PROJECT INFORMATION

Company: EA Engineering
Project: 6191717
Test Location: Fort Buchanan
Test Well: MW-08A
Test Date: 1/10/07

AQUIFER DATA

Saturated Thickness: 40. ft Anisotropy Ratio (Kz/Kr): 0.5

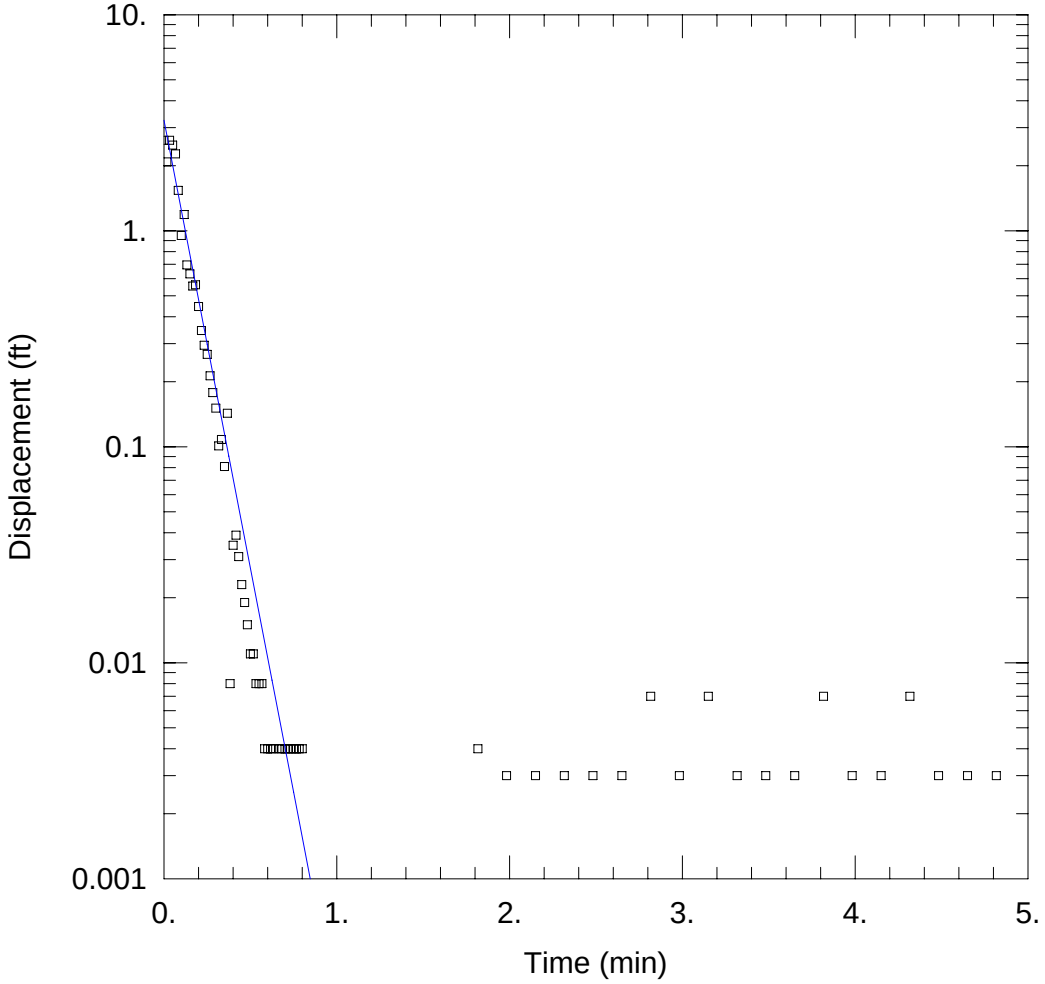
WELL DATA (MW-08A)

Initial Displacement: 2.995 ft Water Column Height: 14.4 ft
Casing Radius: 0.08333 ft Wellbore Radius: 0.3333 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 8.496E-05 ft/min y0 = 2.478 ft



MW-08B FALLING

Data Set: \...\MW-PR-08B FALLING.aqt
Date: 11/12/08 Time: 15:32:13

PROJECT INFORMATION

Company: EA Engineering
Project: 6191717
Test Location: Fort Buchanan
Test Well: MW-08B
Test Date: 1/10/07

AQUIFER DATA

Saturated Thickness: 10. ft Anisotropy Ratio (Kz/Kr): 0.5

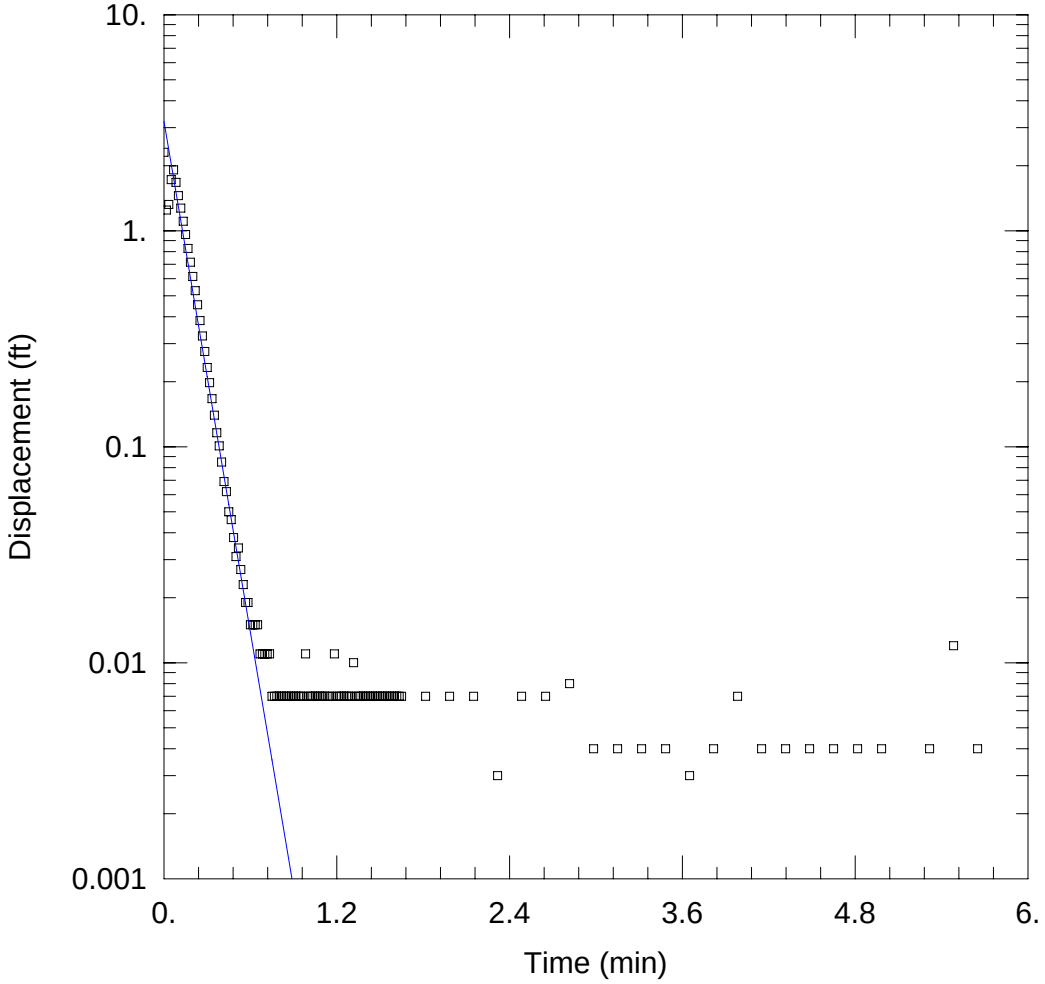
WELL DATA (MW-08B)

Initial Displacement: 2.625 ft Water Column Height: 33.82 ft
Casing Radius: 0.08333 ft Wellbore Radius: 0.3333 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 0.06002 ft/min y0 = 3.247 ft



MW-08B RISING

Data Set: \...\MW-PR-08B RISING.aqt
Date: 11/12/08 Time: 15:31:39

PROJECT INFORMATION

Company: EA Engineering
Project: 6191717
Test Location: Fort Buchanan
Test Well: MW-08B
Test Date: 1/10/07

AQUIFER DATA

Saturated Thickness: 10. ft Anisotropy Ratio (Kz/Kr): 0.5

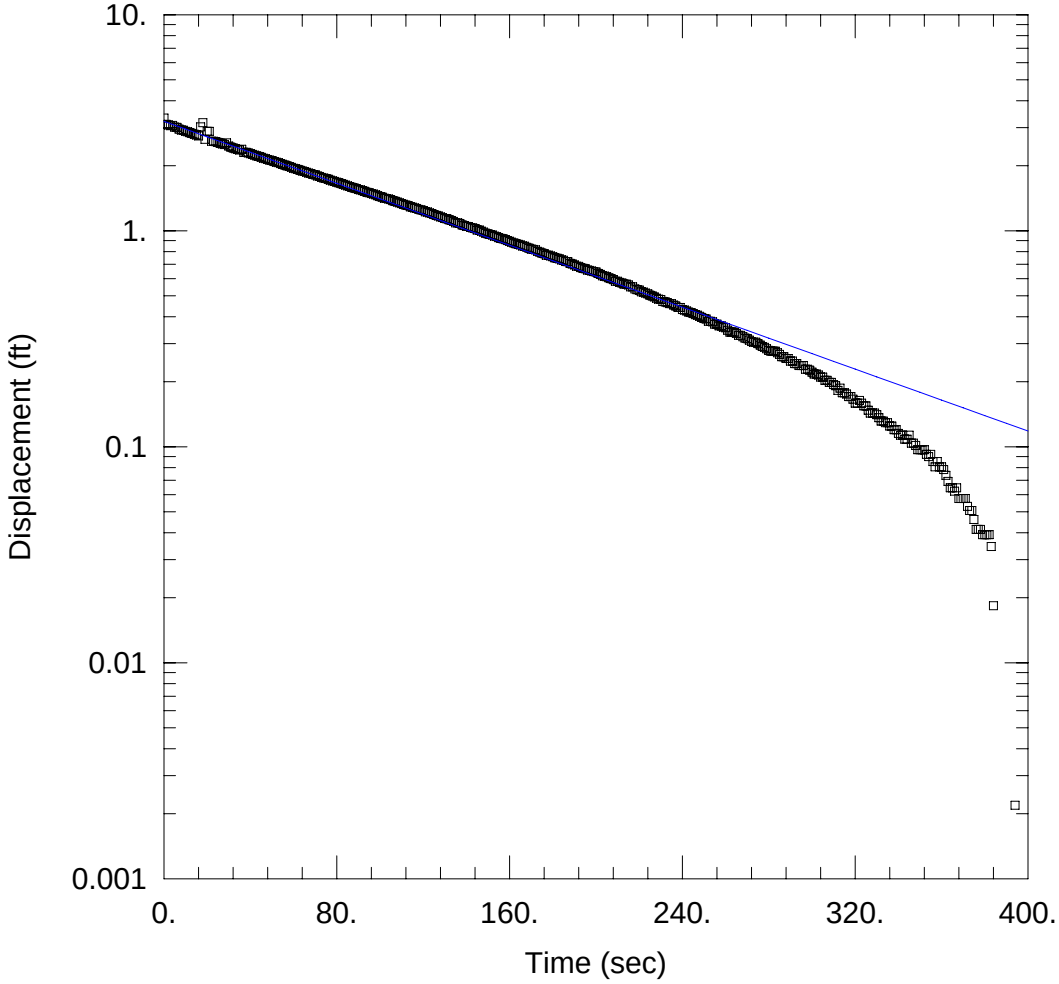
WELL DATA (MW-08B)

Initial Displacement: 2.308 ft Water Column Height: 33.84 ft
Casing Radius: 0.08333 ft Wellbore Radius: 0.3333 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 0.05706 ft/min y0 = 3.209 ft



MW-9A FALLING

Data Set: \...\MW-9AFall2.aqt
Date: 11/12/08 Time: 14:38:50

PROJECT INFORMATION

Company: EA
Client: AEC
Project: 6191717
Test Location: Fort Buchanan
Test Well: MW-9A
Test Date: 9/24/08

AQUIFER DATA

Saturated Thickness: 18. ft Anisotropy Ratio (Kz/Kr): 0.1

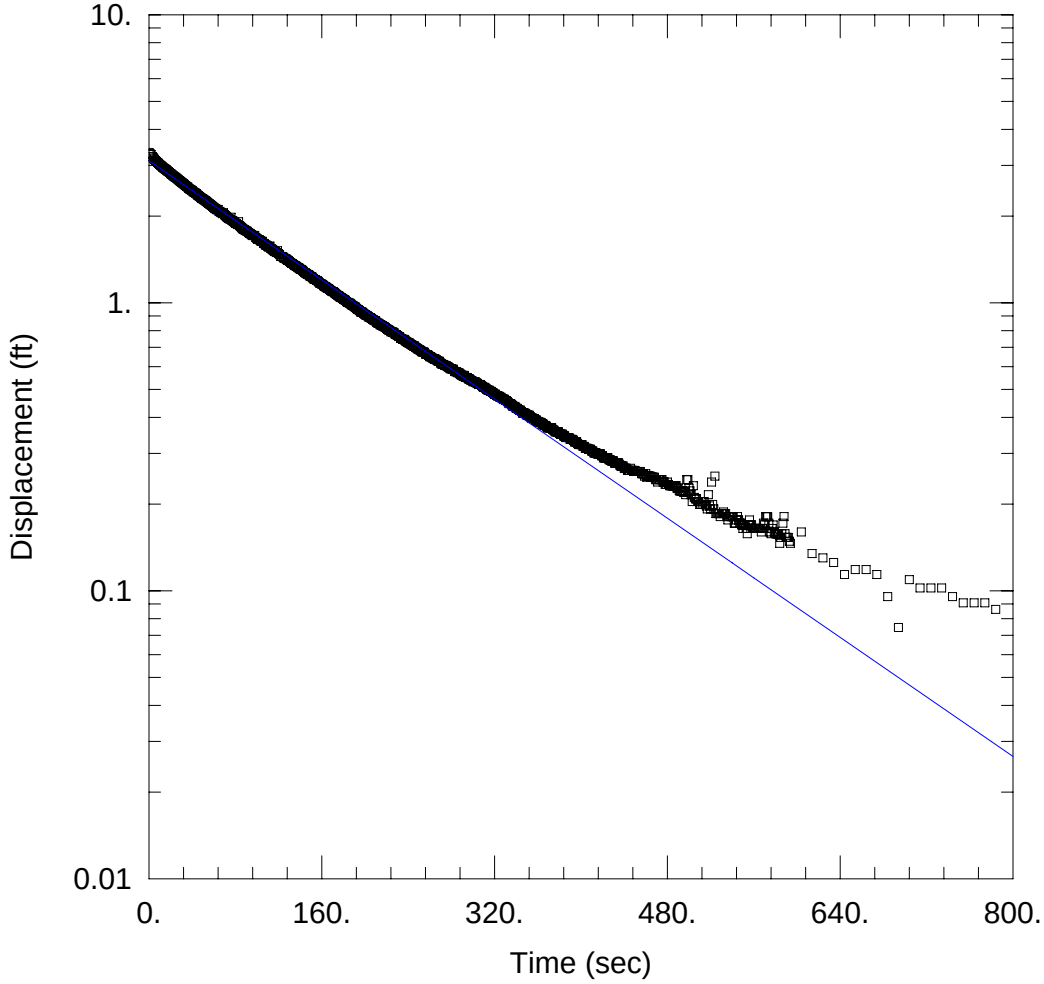
WELL DATA (MW-9A)

Initial Displacement: 3.326 ft Water Column Height: 18. ft
Casing Radius: 0.083 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 5.194 ft/day y0 = 3.21 ft



MW-9A RISING

Data Set: \...\MW-9ARise.aqt
Date: 11/12/08 Time: 14:40:08

PROJECT INFORMATION

Company: EA
Client: AEC
Project: 6191717
Test Location: Fort Buchanan
Test Well: MW-9A
Test Date: 9/24/08

AQUIFER DATA

Saturated Thickness: 18. ft Anisotropy Ratio (Kz/Kr): 0.1

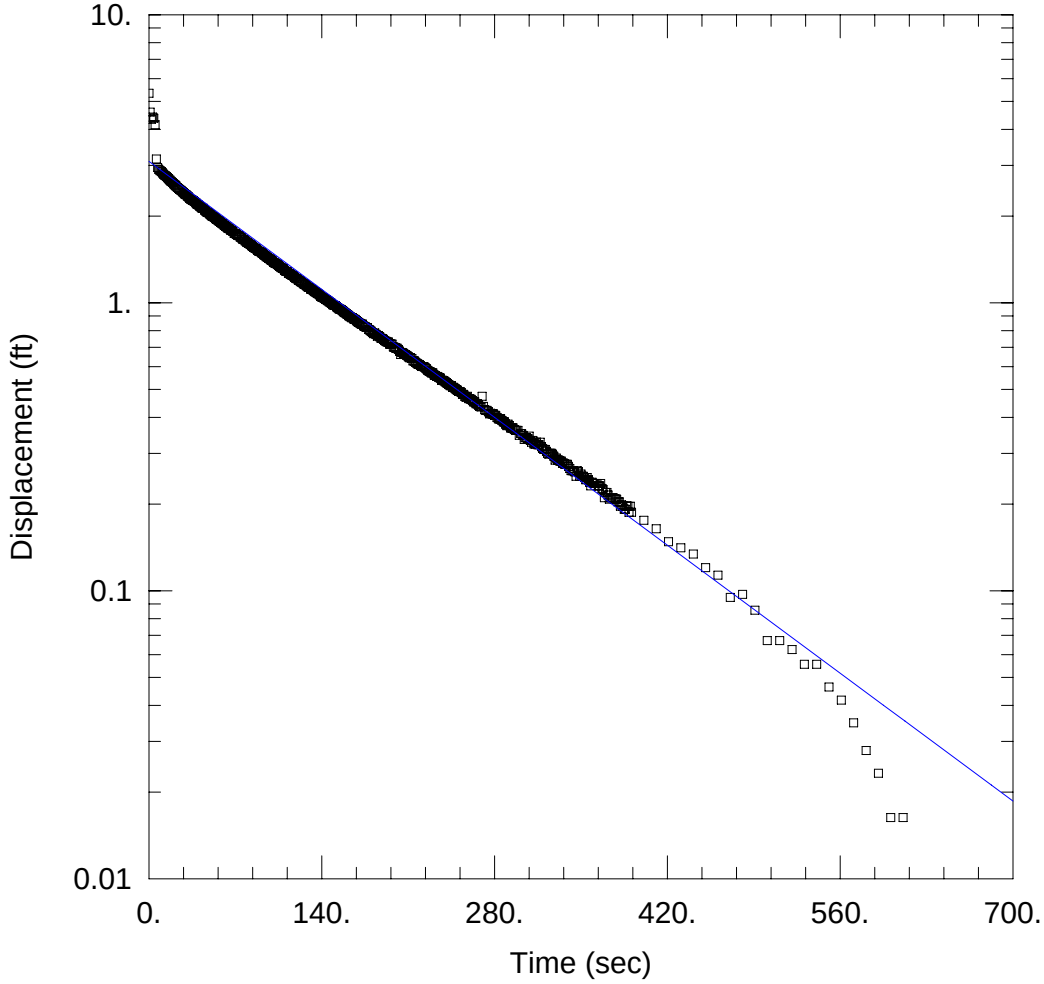
WELL DATA (MW-9A)

Initial Displacement: 3.327 ft Water Column Height: 18. ft
Casing Radius: 0.083 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 3.746 ft/day y0 = 3.111 ft



MW-9B FALLING

Data Set: \...\MW-9BFall.aqt
Date: 11/12/08 Time: 14:40:41

PROJECT INFORMATION

Company: EA
Client: AEC
Project: 6191717
Test Location: Fort Buchanan
Test Well: MW-9B
Test Date: 9/24/08

AQUIFER DATA

Saturated Thickness: 13. ft Anisotropy Ratio (Kz/Kr): 0.1

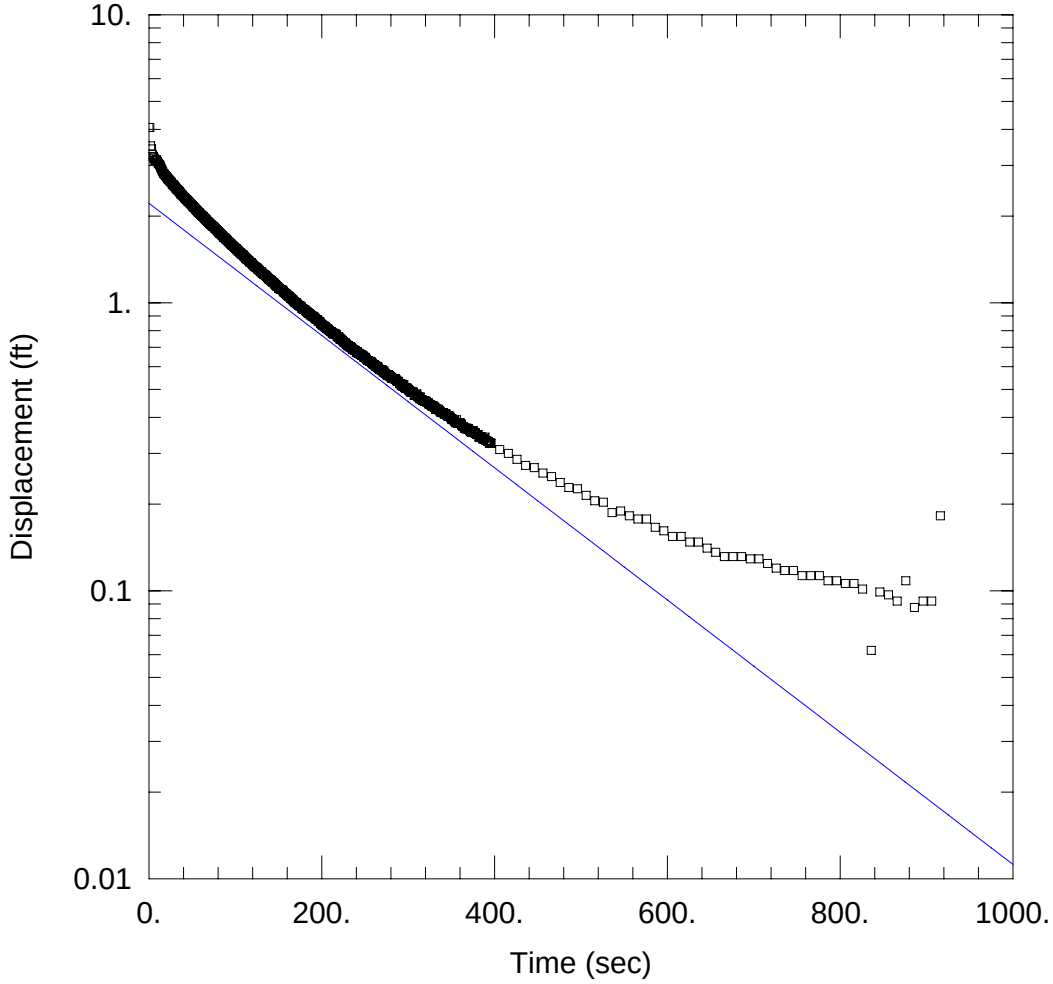
WELL DATA (MW-9B)

Initial Displacement: 5.34 ft Water Column Height: 13. ft
Casing Radius: 0.083 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 4.354 ft/day y0 = 3.094 ft



MW-9B RISING

Data Set: \...\MW-9BRise.aqt
Date: 11/12/08 Time: 14:41:00

PROJECT INFORMATION

Company: EA
Client: AEC
Project: 6191717
Test Location: Fort Buchanan
Test Well: MW-9B
Test Date: 9/24/08

AQUIFER DATA

Saturated Thickness: 13. ft Anisotropy Ratio (Kz/Kr): 0.1

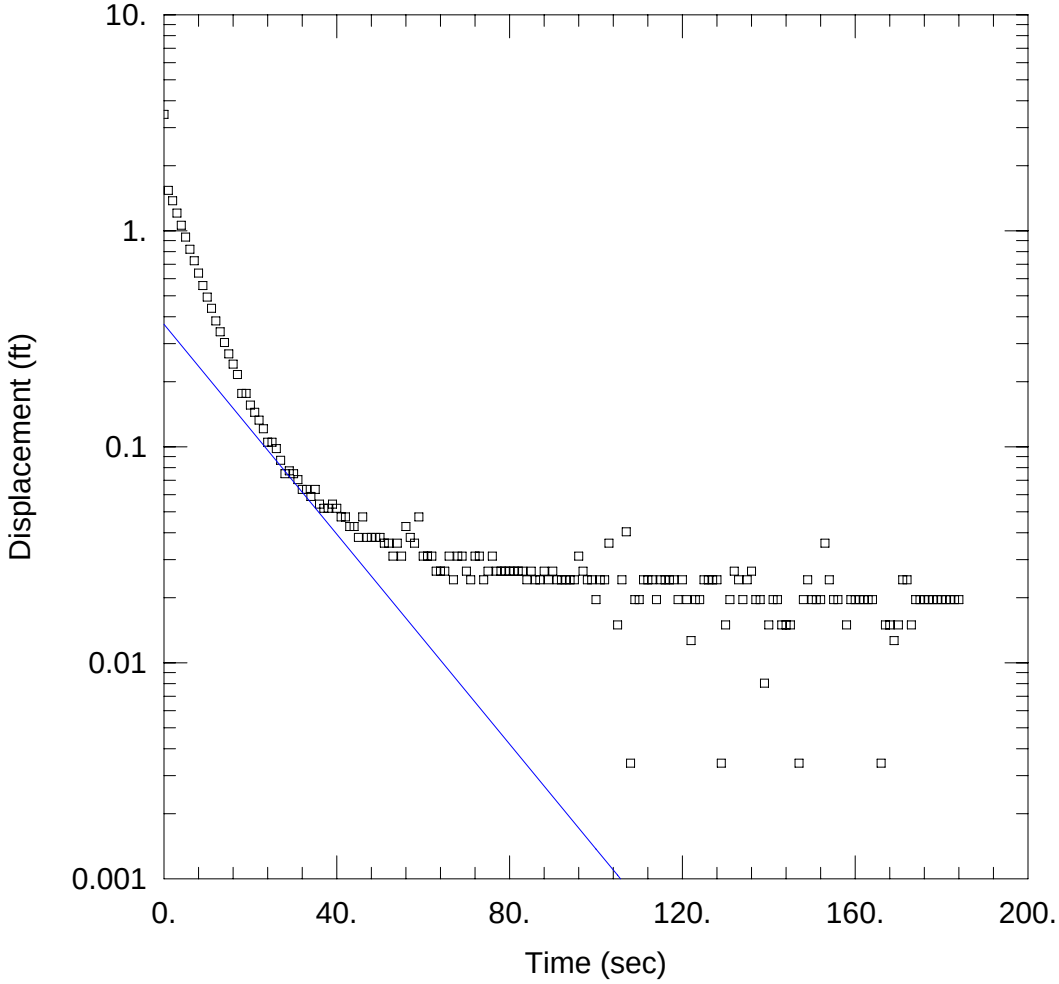
WELL DATA (MW-9B)

Initial Displacement: 4.063 ft Water Column Height: 13. ft
Casing Radius: 0.083 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 3.15 ft/day y0 = 2.215 ft



MW-10A FALLING

Data Set: \...\MW-10AFall.aqt
Date: 11/12/08 Time: 14:41:28

PROJECT INFORMATION

Company: EA
Client: AEC
Project: 10A Falling
Test Location: Fort Buchanan
Test Well: MW-10A
Test Date: 9/24/08

AQUIFER DATA

Saturated Thickness: 8. ft
Anisotropy Ratio (Kz/Kr): 0.1

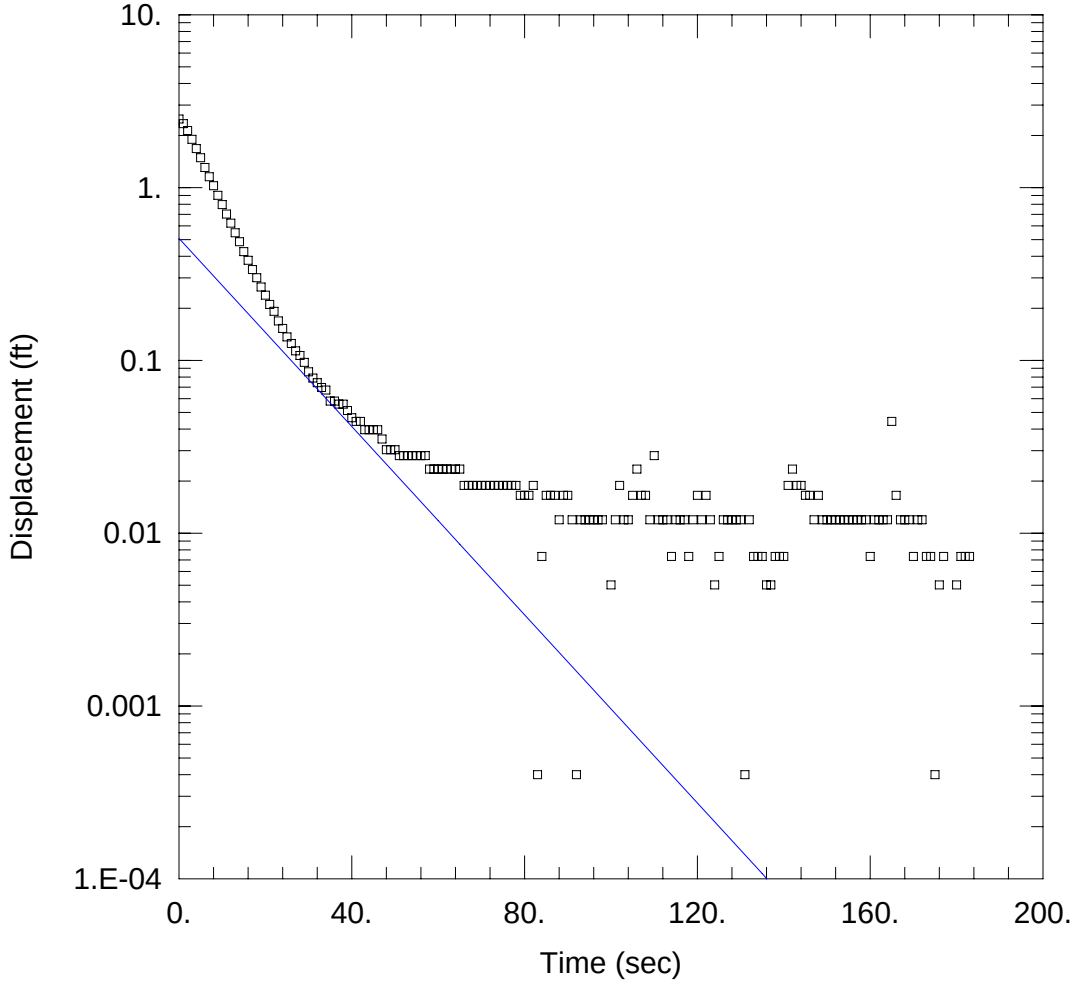
WELL DATA (MW-10A)

Initial Displacement: 3.46 ft
Casing Radius: 0.083 ft
Screen Length: 10. ft
Water Column Height: 8. ft
Wellbore Radius: 0.33 ft
Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice

K = 22.08 ft/day
y0 = 0.3688 ft



MW-10A RISING

Data Set: \...\MW-10ARise.aqt
Date: 11/12/08 Time: 14:42:05

PROJECT INFORMATION

Company: EA
Client: AEC
Project: 10A Rising
Test Location: Fort Buchanan
Test Well: MW-10A
Test Date: 9/24/08

AQUIFER DATA

Saturated Thickness: 8. ft Anisotropy Ratio (Kz/Kr): 0.1

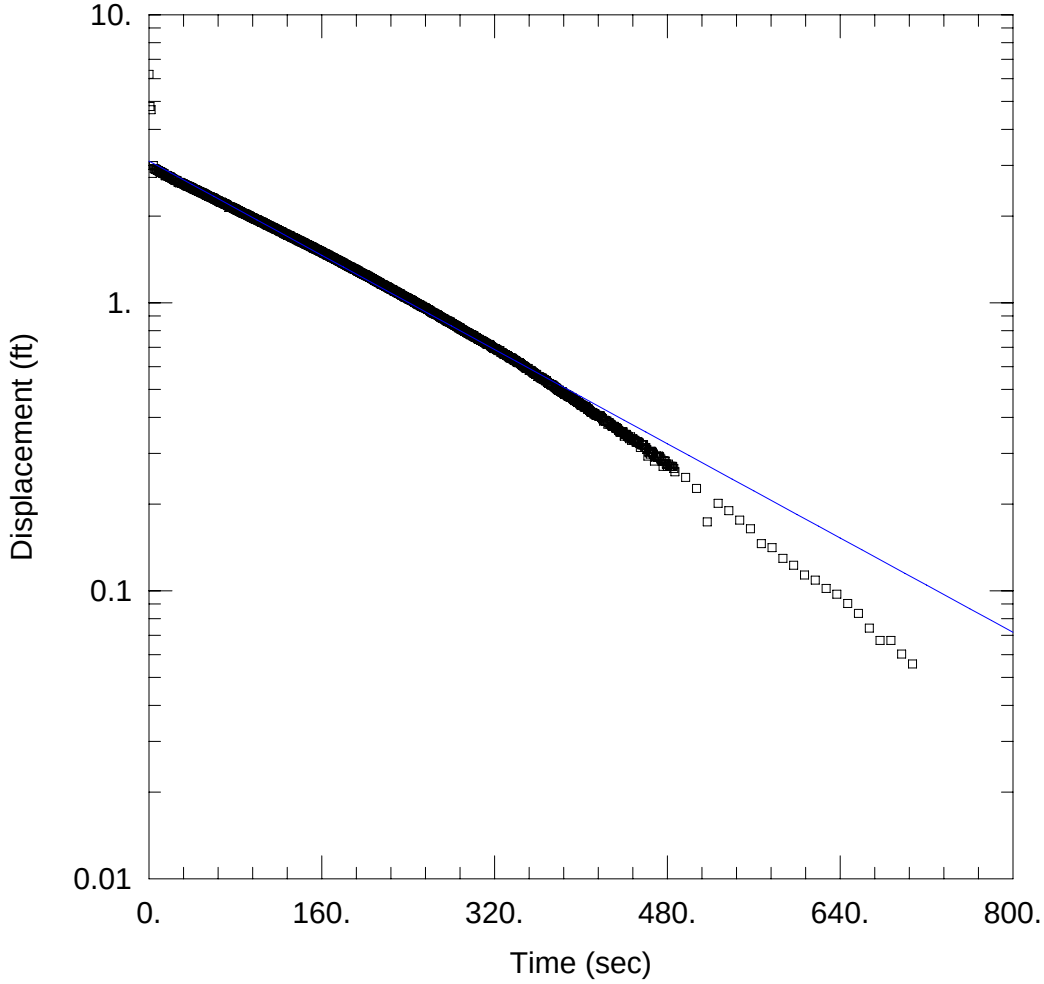
WELL DATA (MW-10A)

Initial Displacement: 2.493 ft Water Column Height: 8. ft
Casing Radius: 0.083 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 24.75 ft/day y0 = 0.5081 ft



MW-10B FALLING

Data Set: \...\MW-10BFall.aqt
Date: 11/12/08 Time: 14:42:41

PROJECT INFORMATION

Company: EA
Client: AEC
Project: 10B Falling
Test Location: Fort Buchanan
Test Well: MW-10B
Test Date: 9/24/08

AQUIFER DATA

Saturated Thickness: 7. ft Anisotropy Ratio (Kz/Kr): 0.1

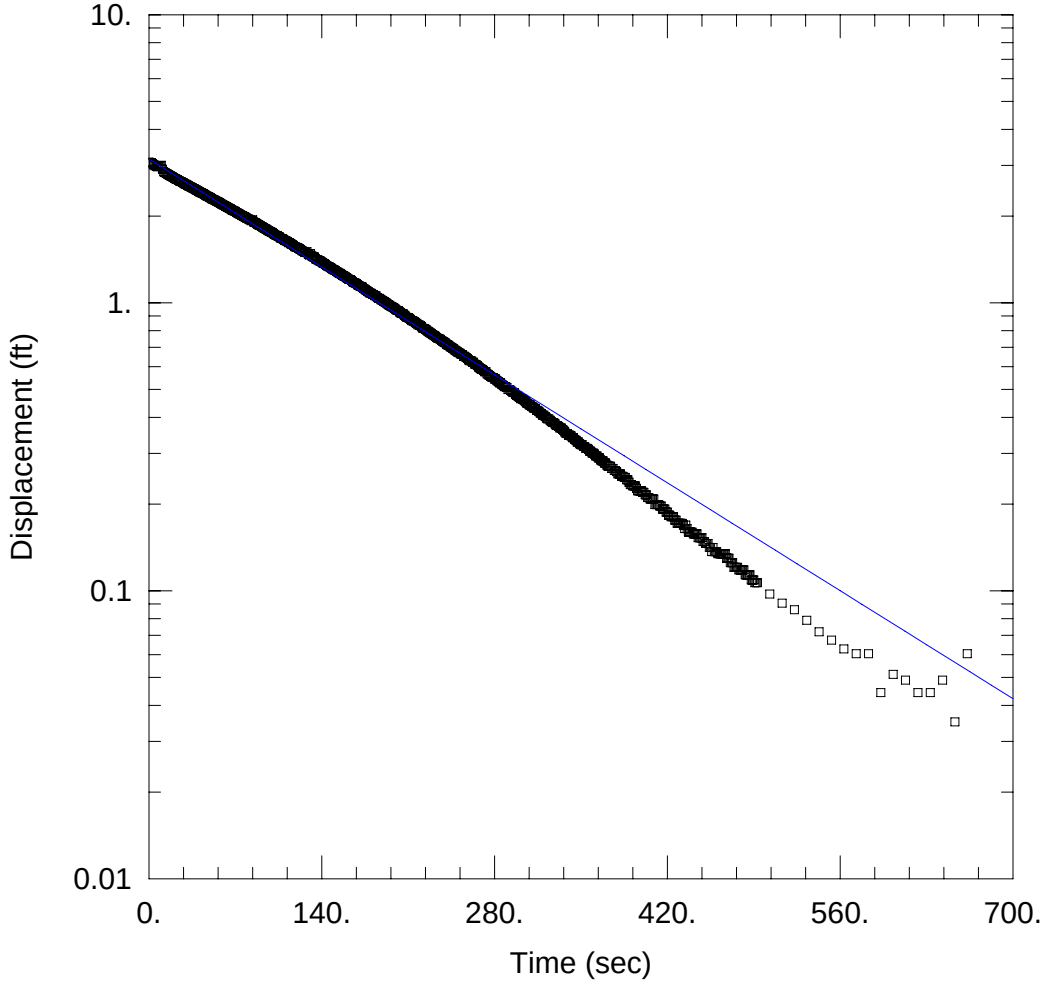
WELL DATA (MW-10B)

Initial Displacement: 6.21 ft Water Column Height: 7. ft
Casing Radius: 0.083 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 1.793 ft/day y0 = 3.106 ft



MW-10B RISING

Data Set: \...\MW-10BRise.aqt
Date: 11/12/08 Time: 14:43:03

PROJECT INFORMATION

Company: EA
Client: AEC
Project: 10B Rising
Test Location: Fort Buchanan
Test Well: MW-10B
Test Date: 9/24/08

AQUIFER DATA

Saturated Thickness: 7. ft Anisotropy Ratio (Kz/Kr): 0.1

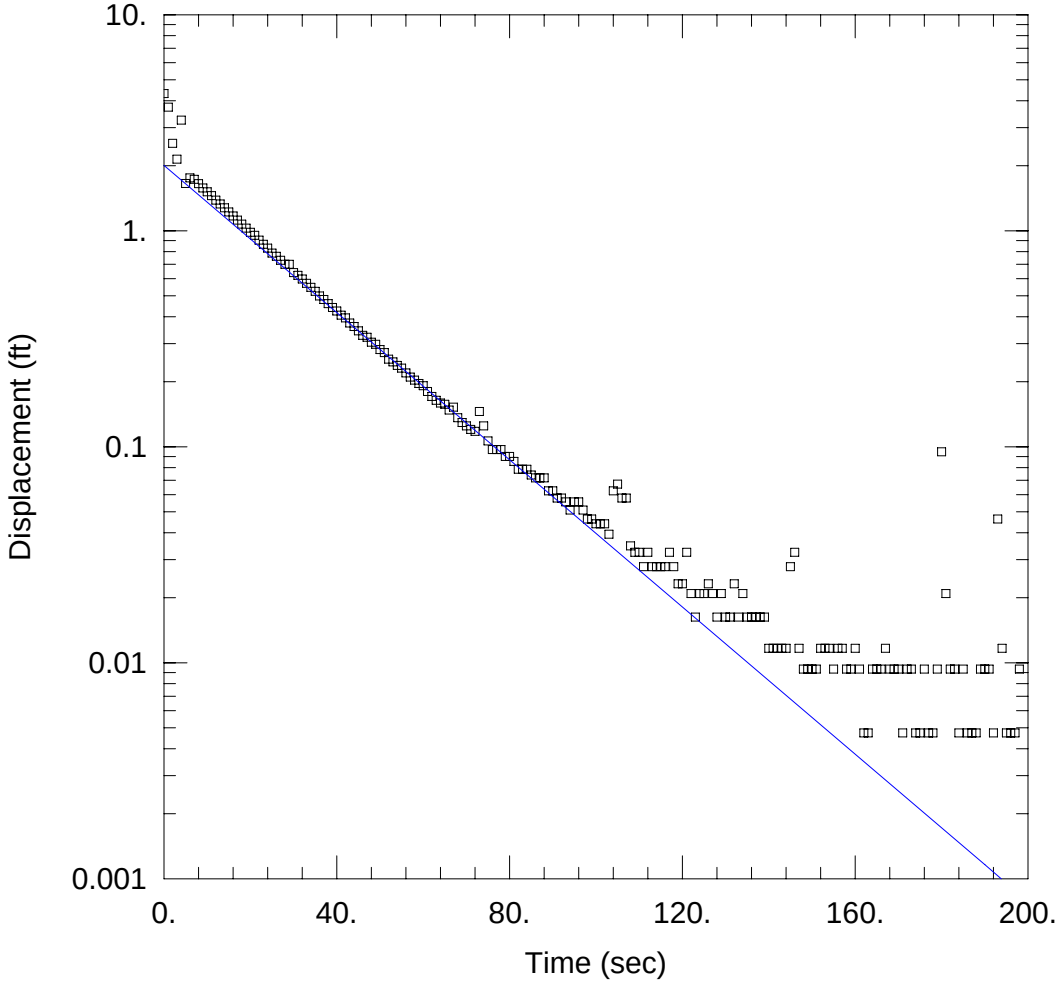
WELL DATA (MW-10B)

Initial Displacement: 3.08 ft Water Column Height: 7. ft
Casing Radius: 0.083 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 2.346 ft/day y0 = 3.155 ft



MW-11A FALLING

Data Set: \...\MW-11AFall.aqt
Date: 11/12/08 Time: 14:43:24

PROJECT INFORMATION

Company: EA
Client: AEC
Project: 11A Falling
Test Location: Fort Buchanan
Test Well: MW-11A
Test Date: 9/24/08

AQUIFER DATA

Saturated Thickness: 12. ft
Anisotropy Ratio (Kz/Kr): 0.1

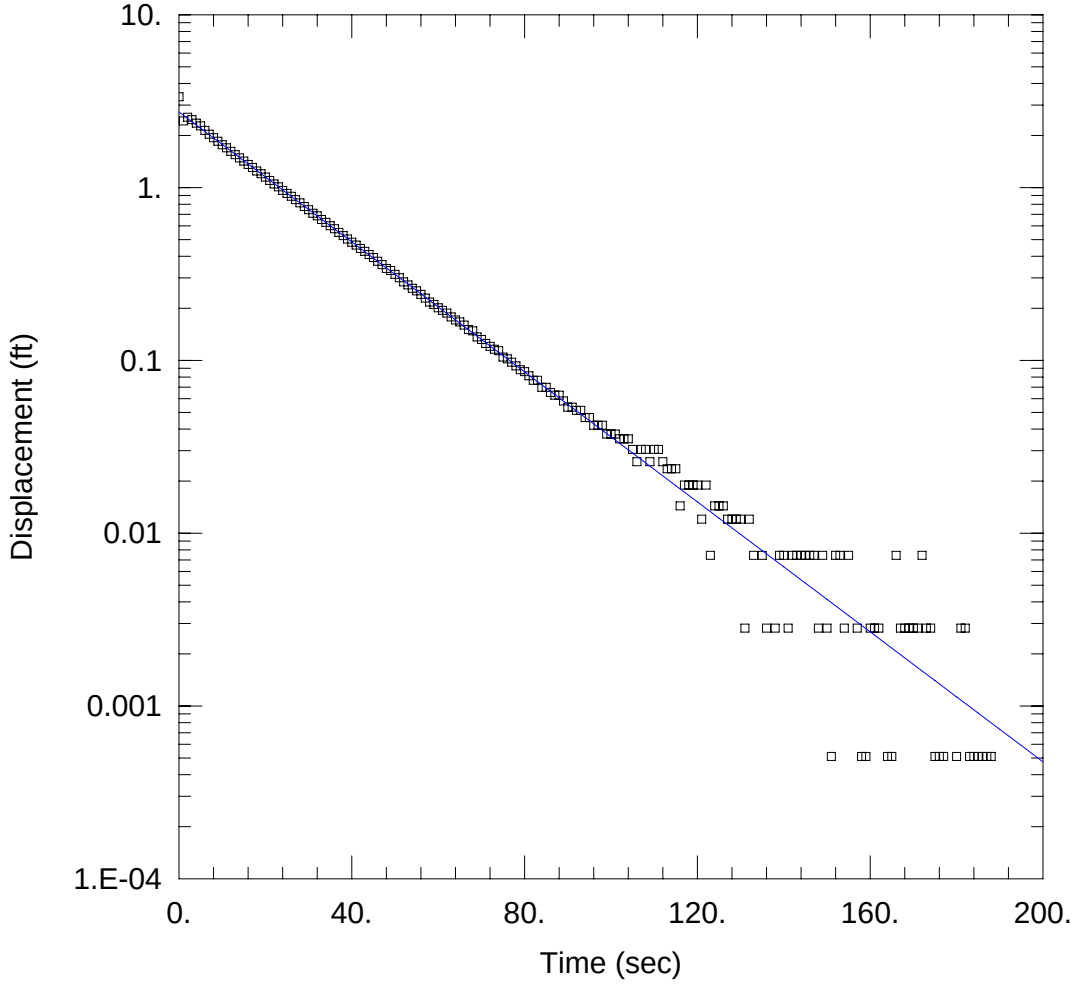
WELL DATA (MW-11A)

Initial Displacement: 4.32 ft
Casing Radius: 0.083 ft
Screen Length: 10. ft
Water Column Height: 12. ft
Wellbore Radius: 0.33 ft
Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice

K = 23.06 ft/day
y0 = 2.009 ft



MW-11A RISING

Data Set: \...\MW-11ARise.aqt
Date: 11/12/08 Time: 14:43:42

PROJECT INFORMATION

Company: EA
Client: AEC
Project: 11A Rising
Test Location: Fort Buchanan
Test Well: MW-11A
Test Date: 9/24/08

AQUIFER DATA

Saturated Thickness: 12. ft Anisotropy Ratio (Kz/Kr): 0.1

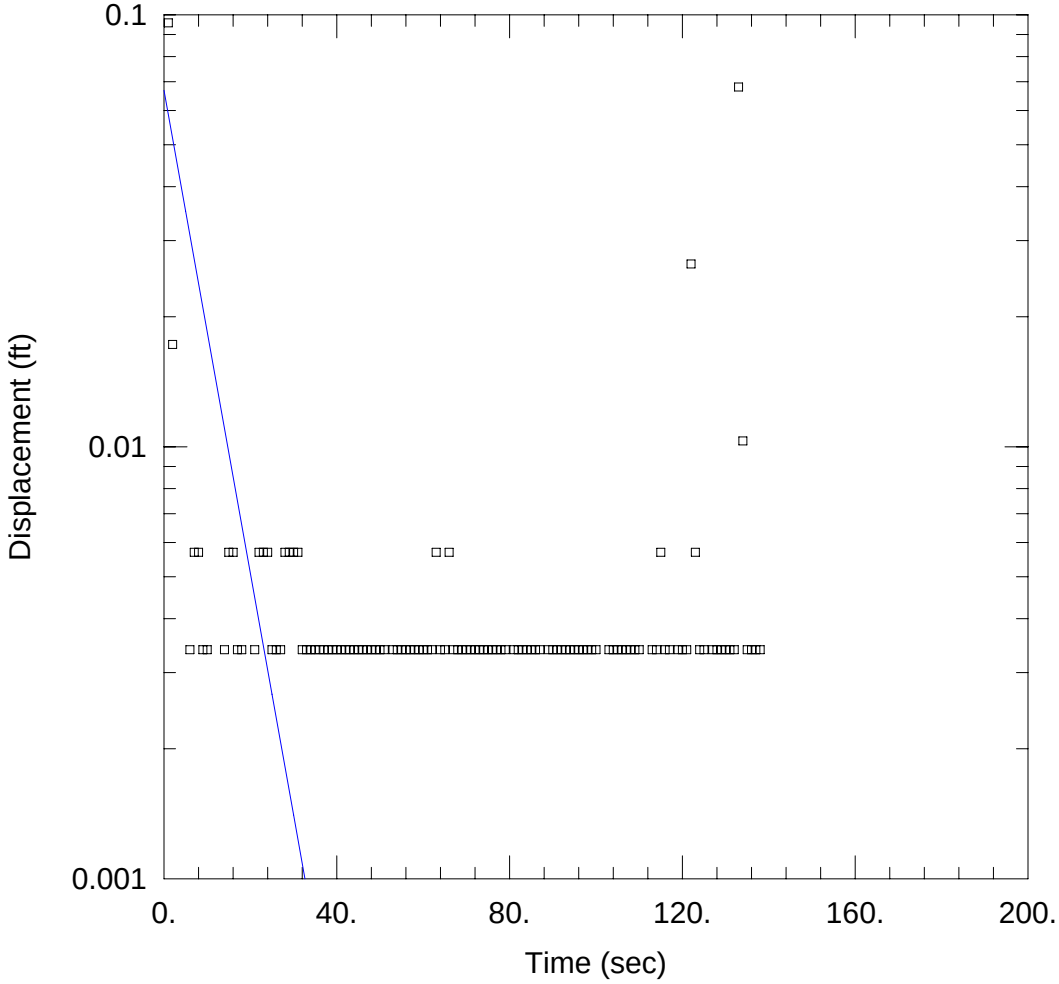
WELL DATA (MW-11A)

Initial Displacement: 3.356 ft Water Column Height: 12. ft
Casing Radius: 0.083 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 25.44 ft/day y0 = 2.739 ft



MW-11B RISING

Data Set: \...\MW-11BRise.aqt
Date: 11/14/08 Time: 14:01:21

PROJECT INFORMATION

Company: EA
Client: AEC
Project: 11B Rising
Test Location: Fort Buchanan
Test Well: MW-11B
Test Date: 9/24/08

AQUIFER DATA

Saturated Thickness: 26. ft Anisotropy Ratio (Kz/Kr): 0.1

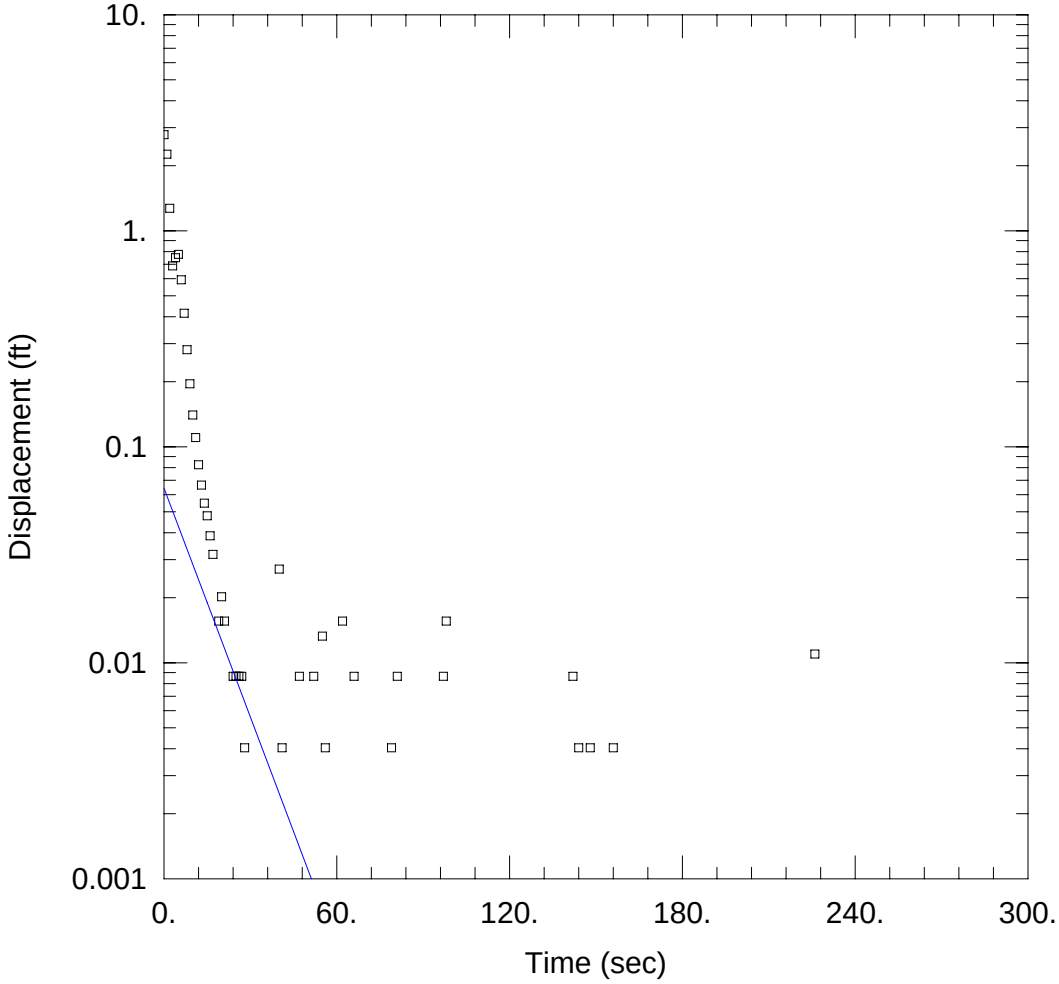
WELL DATA (MW-11B)

Initial Displacement: 0.4 ft Water Column Height: 26. ft
Casing Radius: 0.083 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 85.76 ft/day y0 = 0.06686 ft



MW-12B RISING

Data Set: \...\MW-12BRise.aqt
Date: 11/12/08 Time: 14:44:20

PROJECT INFORMATION

Company: EA
Client: AEC
Project: 12B Rising
Test Location: Fort Buchanan
Test Well: MW-12B
Test Date: 9/24/08

AQUIFER DATA

Saturated Thickness: 15. ft Anisotropy Ratio (Kz/Kr): 0.1

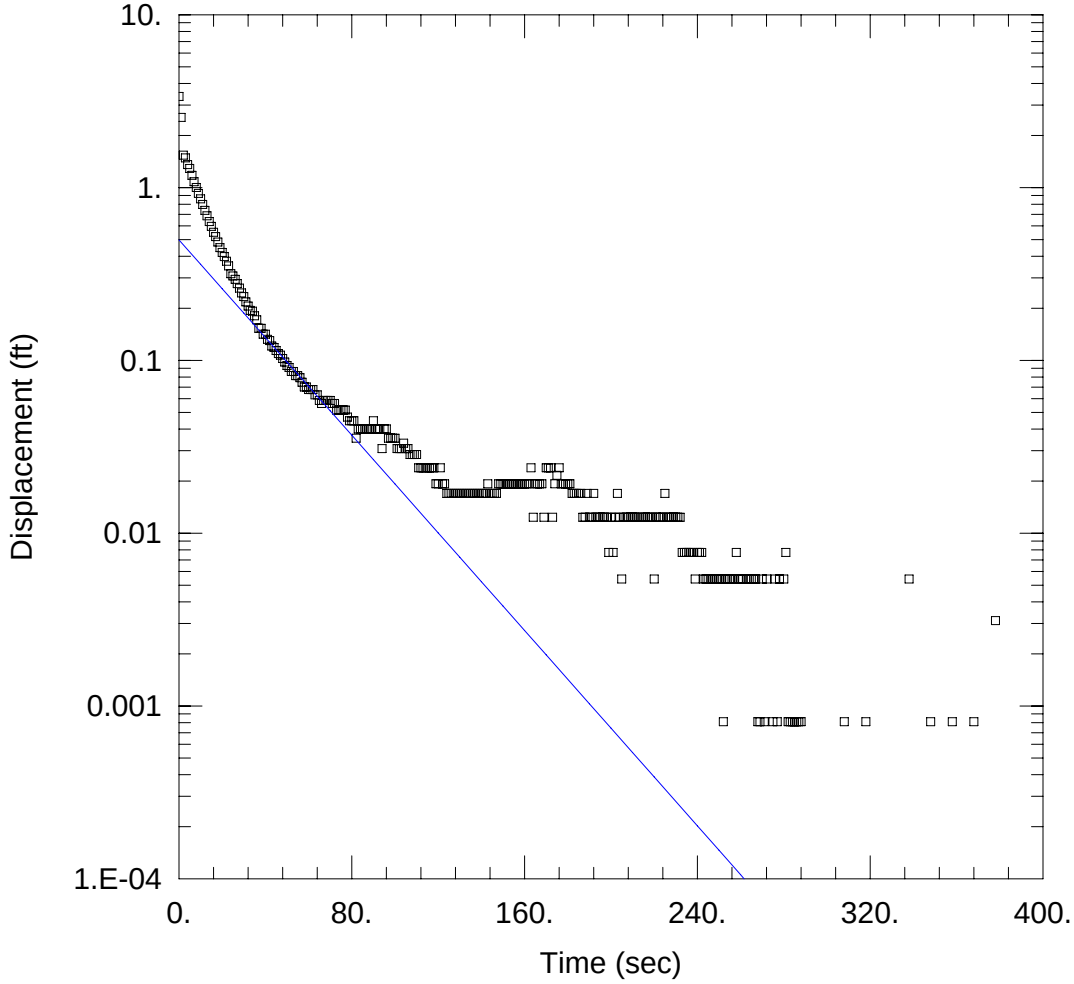
WELL DATA (MW-12B)

Initial Displacement: 2.787 ft Water Column Height: 15. ft
Casing Radius: 0.083 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 49.7 ft/day y0 = 0.06439 ft



MW-13A FALLING

Data Set: \...\MW-13AFall.aqt
Date: 11/12/08 Time: 14:44:43

PROJECT INFORMATION

Company: EA
Client: AEC
Project: 13A Falling
Test Location: Fort Buchanan
Test Well: MW-13A
Test Date: 9/24/08

AQUIFER DATA

Saturated Thickness: 11. ft Anisotropy Ratio (Kz/Kr): 0.1

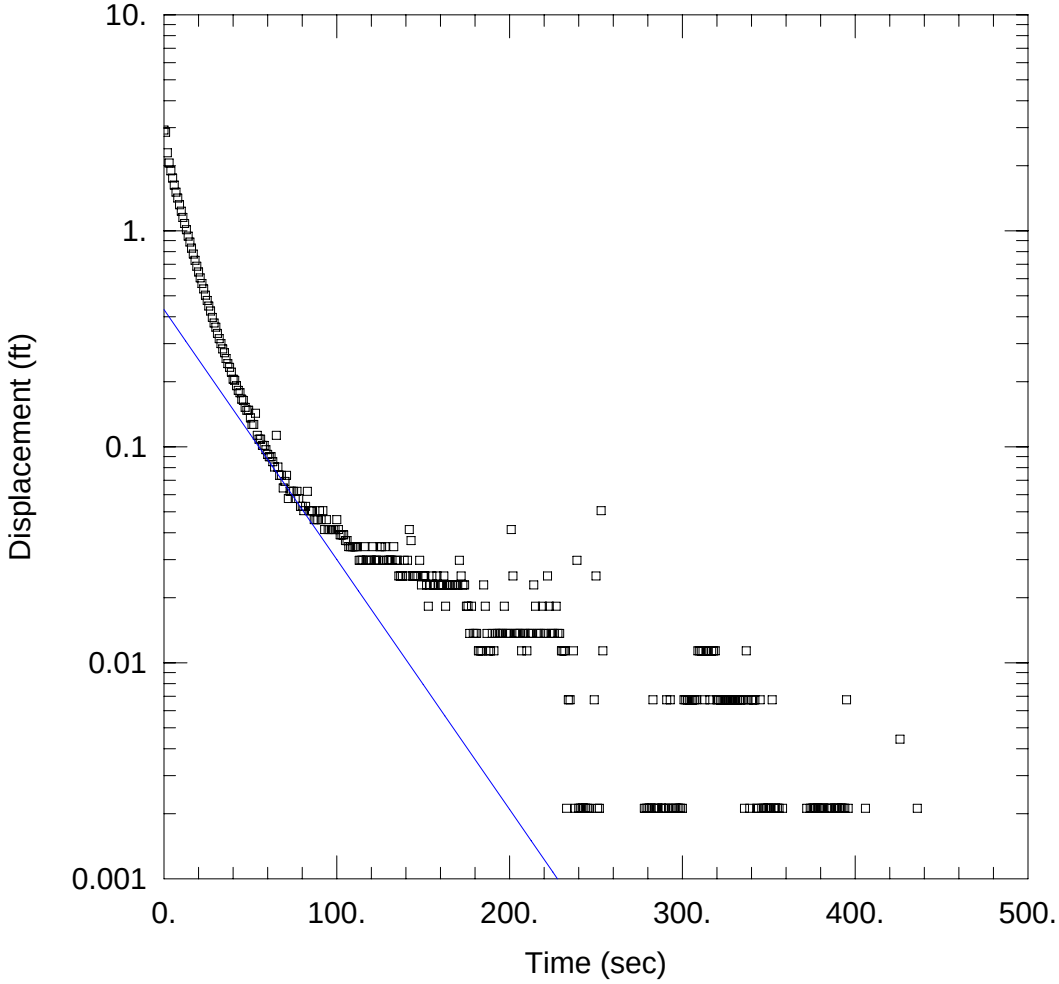
WELL DATA (MW-13A)

Initial Displacement: 3.366 ft Water Column Height: 11. ft
Casing Radius: 0.083 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 18.82 ft/day y0 = 0.4978 ft



MW-13A RISING

Data Set: \...\MW-13ARise.aqt
Date: 11/12/08 Time: 14:45:01

PROJECT INFORMATION

Company: EA
Client: AEC
Project: 13A Rising
Test Location: Fort Buchanan
Test Well: MW-13A
Test Date: 9/24/08

AQUIFER DATA

Saturated Thickness: 11. ft Anisotropy Ratio (Kz/Kr): 0.1

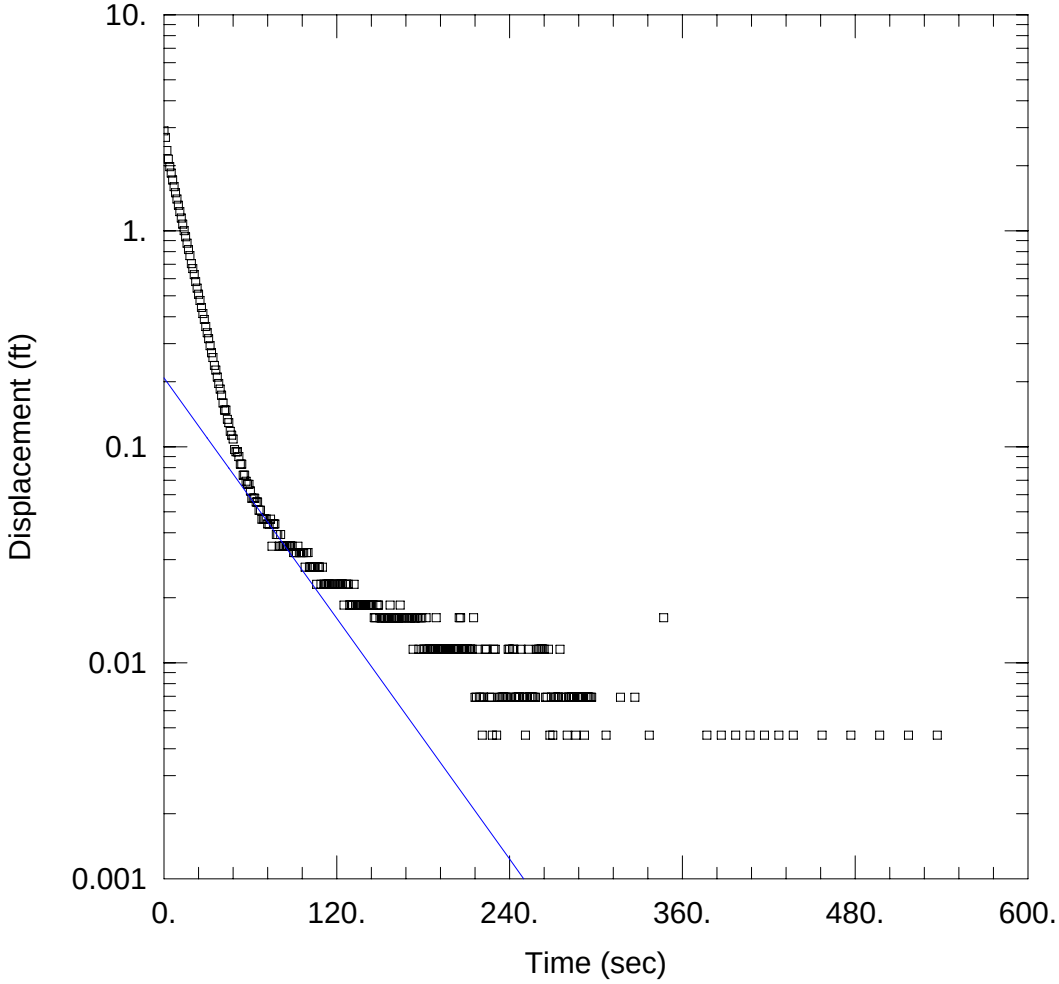
WELL DATA (MW-13A)

Initial Displacement: 2.924 ft Water Column Height: 11. ft
Casing Radius: 0.083 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 15.41 ft/day y0 = 0.4313 ft



MW-16A RISING

Data Set: \...\MW-16ARise.aqt
Date: 11/12/08 Time: 14:45:39

PROJECT INFORMATION

Company: EA
Client: AEC
Project: 16A Rising
Test Location: Fort Buchanan
Test Well: MW-16A
Test Date: 9/24/08

AQUIFER DATA

Saturated Thickness: 9. ft Anisotropy Ratio (Kz/Kr): 0.1

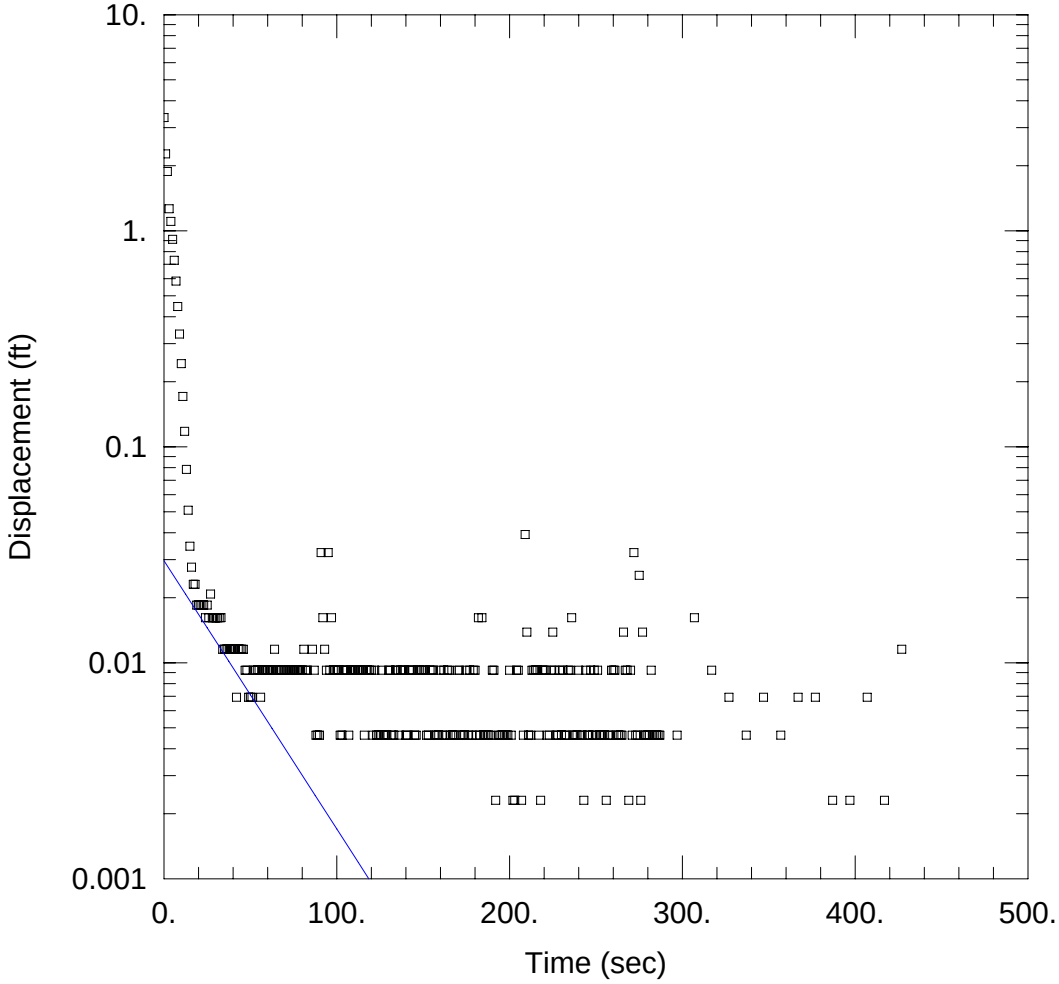
WELL DATA (MW-16A)

Initial Displacement: 2.901 ft Water Column Height: 9. ft
Casing Radius: 0.083 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 8.698 ft/day y0 = 0.2086 ft



MW-16B FALLING

Data Set: \...\MW-16BFall.aqt
Date: 11/12/08 Time: 14:46:04

PROJECT INFORMATION

Company: EA
Client: AEC
Project: 16B Falling
Test Location: Fort Buchanan
Test Well: MW-16B
Test Date: 9/24/08

AQUIFER DATA

Saturated Thickness: 4. ft Anisotropy Ratio (Kz/Kr): 0.1

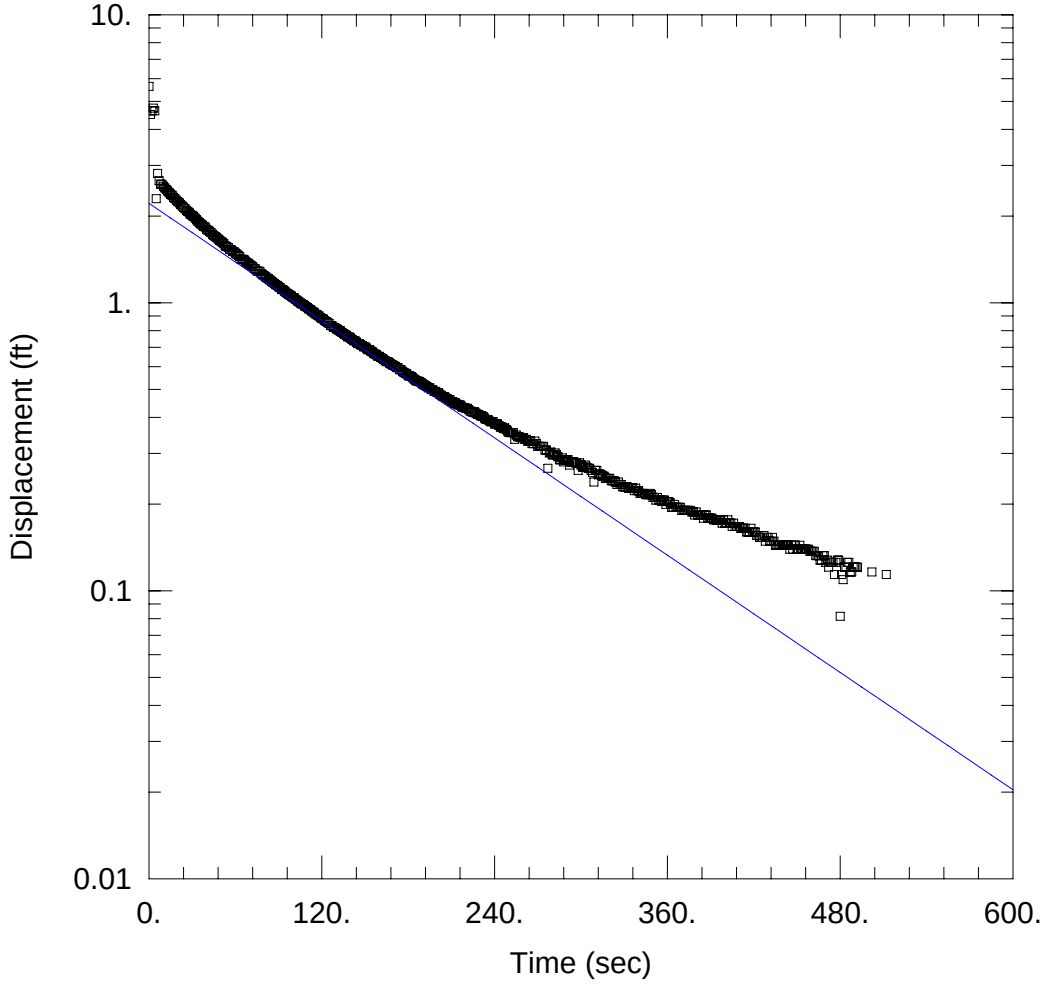
WELL DATA (MW-16B)

Initial Displacement: 3.344 ft Water Column Height: 12. ft
Casing Radius: 0.083 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 12.47 ft/day y0 = 0.02967 ft



MW-17 FALLING

Data Set: \...\MW-17Fall.aqt
Date: 11/12/08 Time: 14:46:23

PROJECT INFORMATION

Company: EA
Client: AEC
Project: 17 Falling
Test Location: Fort Buchanan
Test Well: MW-17
Test Date: 9/25/08

AQUIFER DATA

Saturated Thickness: 4. ft Anisotropy Ratio (Kz/Kr): 0.1

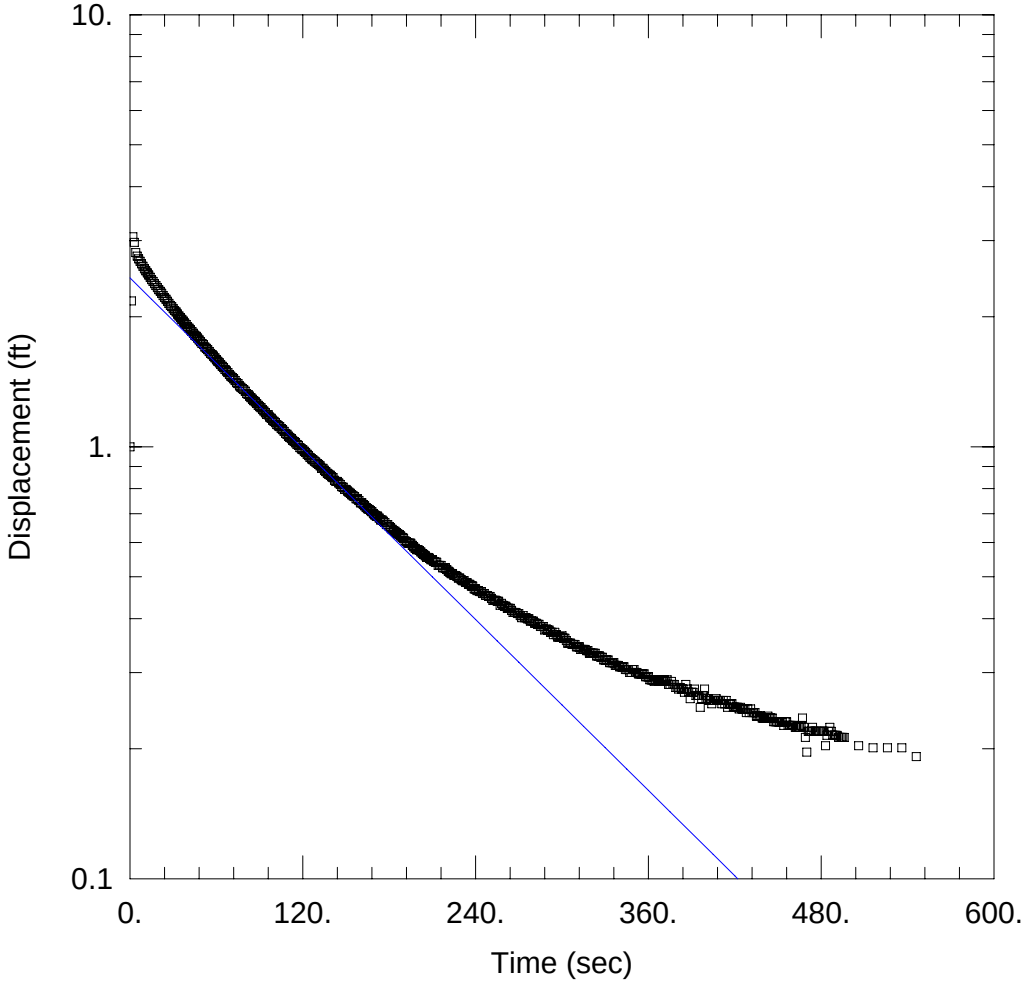
WELL DATA (MW-17)

Initial Displacement: 5.641 ft Water Column Height: 8. ft
Casing Radius: 0.083 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 3.085 ft/day y0 = 2.215 ft



MW-17 RISING

Data Set: \...\MW-17Rise.aqt
Date: 11/12/08 Time: 14:46:43

PROJECT INFORMATION

Company: EA
Client: AEC
Project: 17 Rising
Test Location: Fort Buchanan
Test Well: MW-17
Test Date: 9/25/08

AQUIFER DATA

Saturated Thickness: 4. ft Anisotropy Ratio (Kz/Kr): 0.1

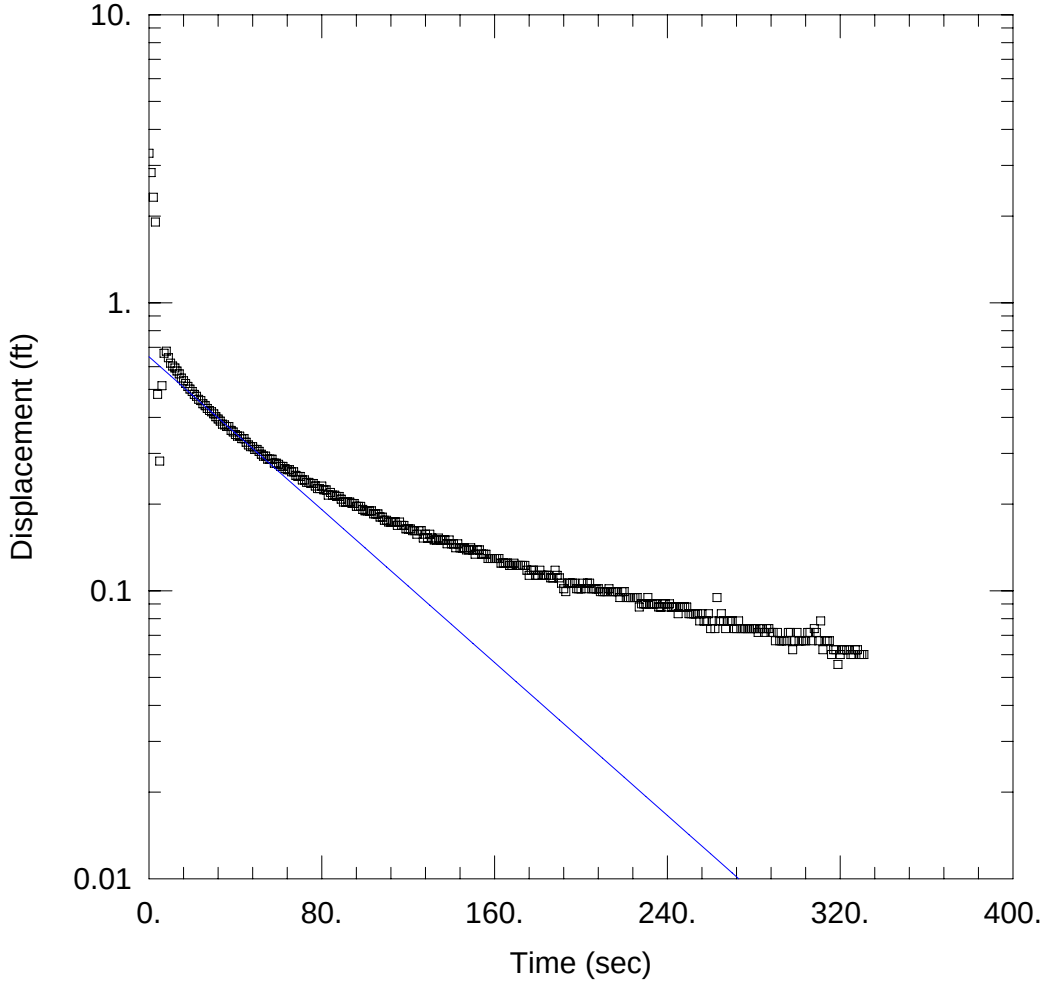
WELL DATA (MW-17)

Initial Displacement: 1. ft Water Column Height: 8. ft
Casing Radius: 0.083 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 2.995 ft/day y0 = 2.46 ft



MW-18A FALLING

Data Set: \...\MW-18AFall.aqt
Date: 11/12/08 Time: 14:47:07

PROJECT INFORMATION

Company: EA
Client: AEC
Project: 18A Falling
Test Location: Fort Buchanan
Test Well: MW-18A
Test Date: 9/24/08

AQUIFER DATA

Saturated Thickness: 13. ft Anisotropy Ratio (Kz/Kr): 0.1

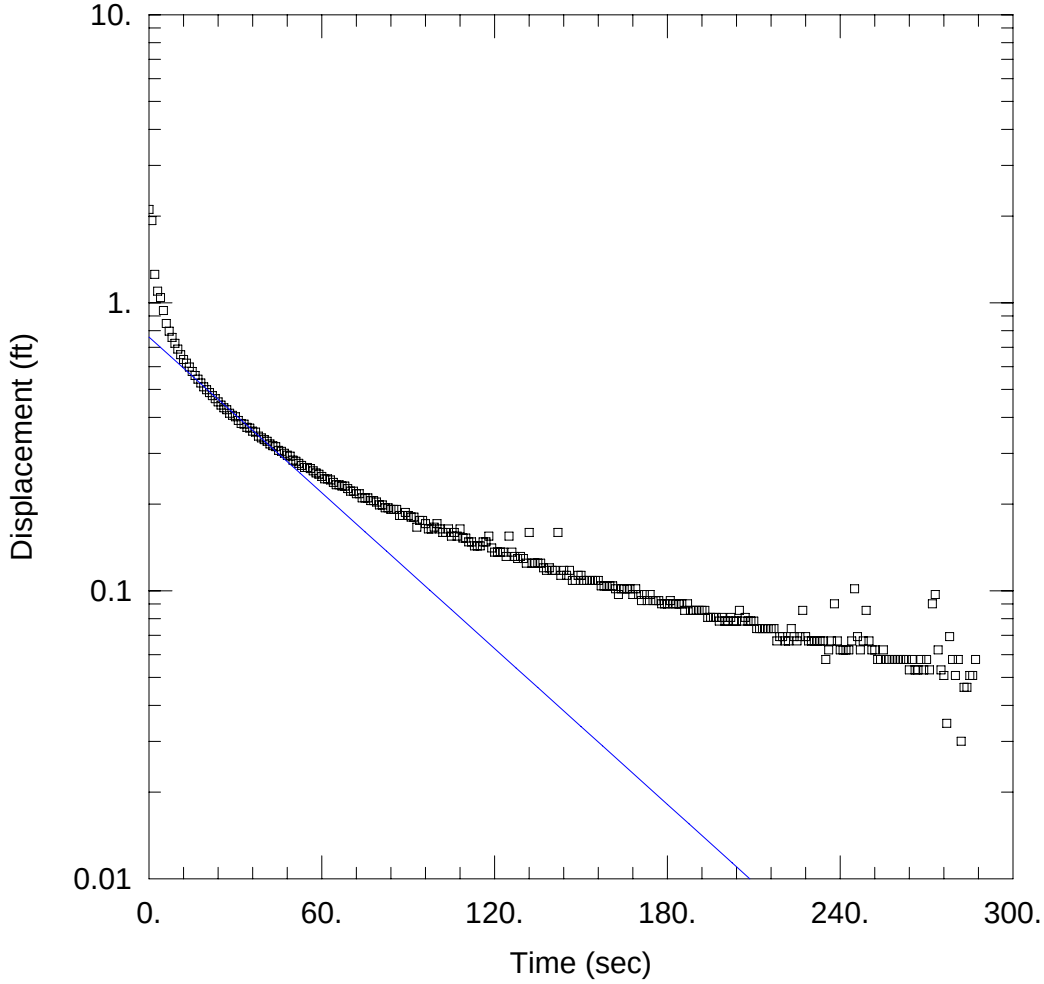
WELL DATA (MW-18A)

Initial Displacement: 3.305 ft Water Column Height: 13. ft
Casing Radius: 0.083 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 9.109 ft/day y0 = 0.6497 ft



MW-18A RISING

Data Set: \...\MW-18ARise.aqt
Date: 11/12/08 Time: 14:47:24

PROJECT INFORMATION

Company: EA
Client: AEC
Project: 18A rising
Test Location: Fort Buchanan
Test Well: MW-18A
Test Date: 9/24/08

AQUIFER DATA

Saturated Thickness: 13. ft
Anisotropy Ratio (Kz/Kr): 0.1

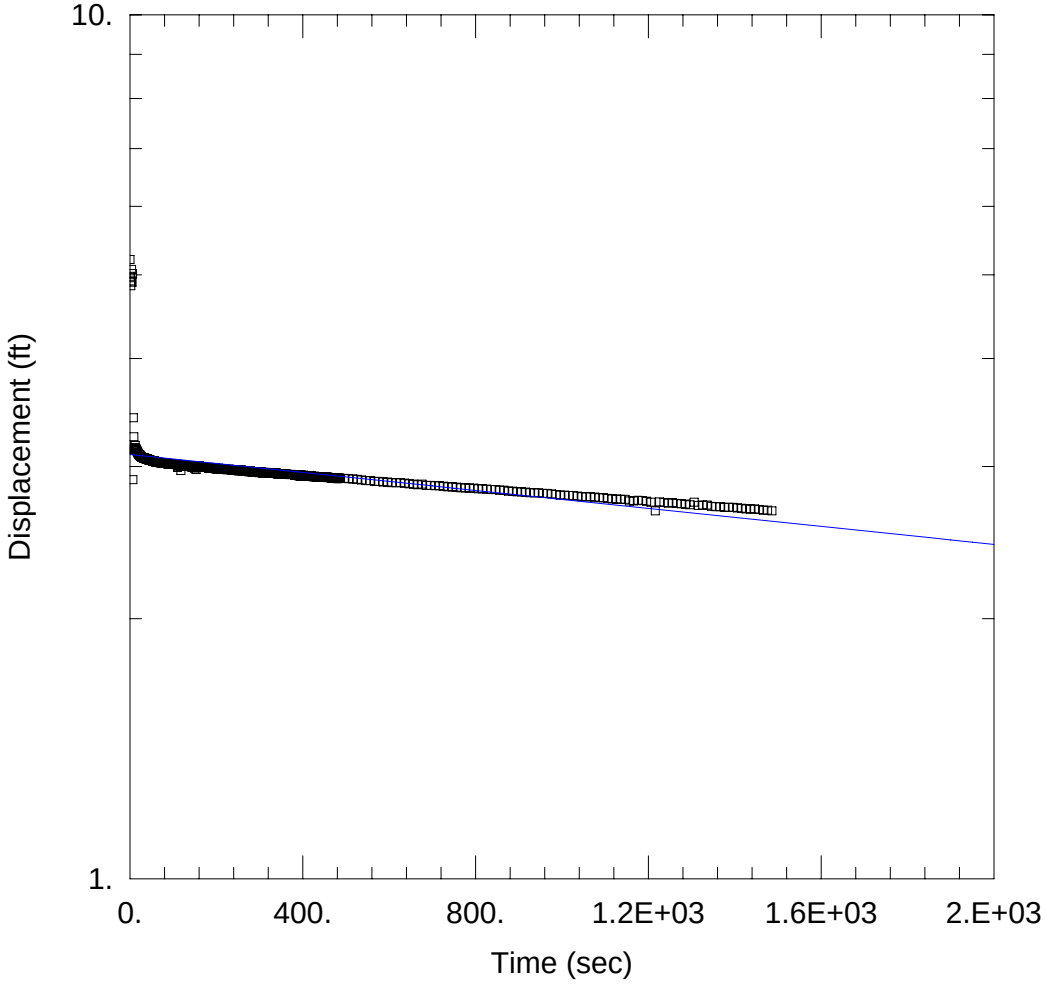
WELL DATA (MW-18A)

Initial Displacement: 2.11 ft
Casing Radius: 0.083 ft
Screen Length: 10. ft
Water Column Height: 13. ft
Wellbore Radius: 0.33 ft
Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice

K = 12.37 ft/day
y0 = 0.7605 ft



MW-18B FALLING

Data Set: \...\MW-18BFall.aqt
Date: 11/12/08 Time: 14:56:05

PROJECT INFORMATION

Company: EA
Client: AEC
Project: 18B Falling
Test Location: Fort Buchanan
Test Well: MW-18B
Test Date: 9/24/08

AQUIFER DATA

Saturated Thickness: 2. ft Anisotropy Ratio (Kz/Kr): 0.1

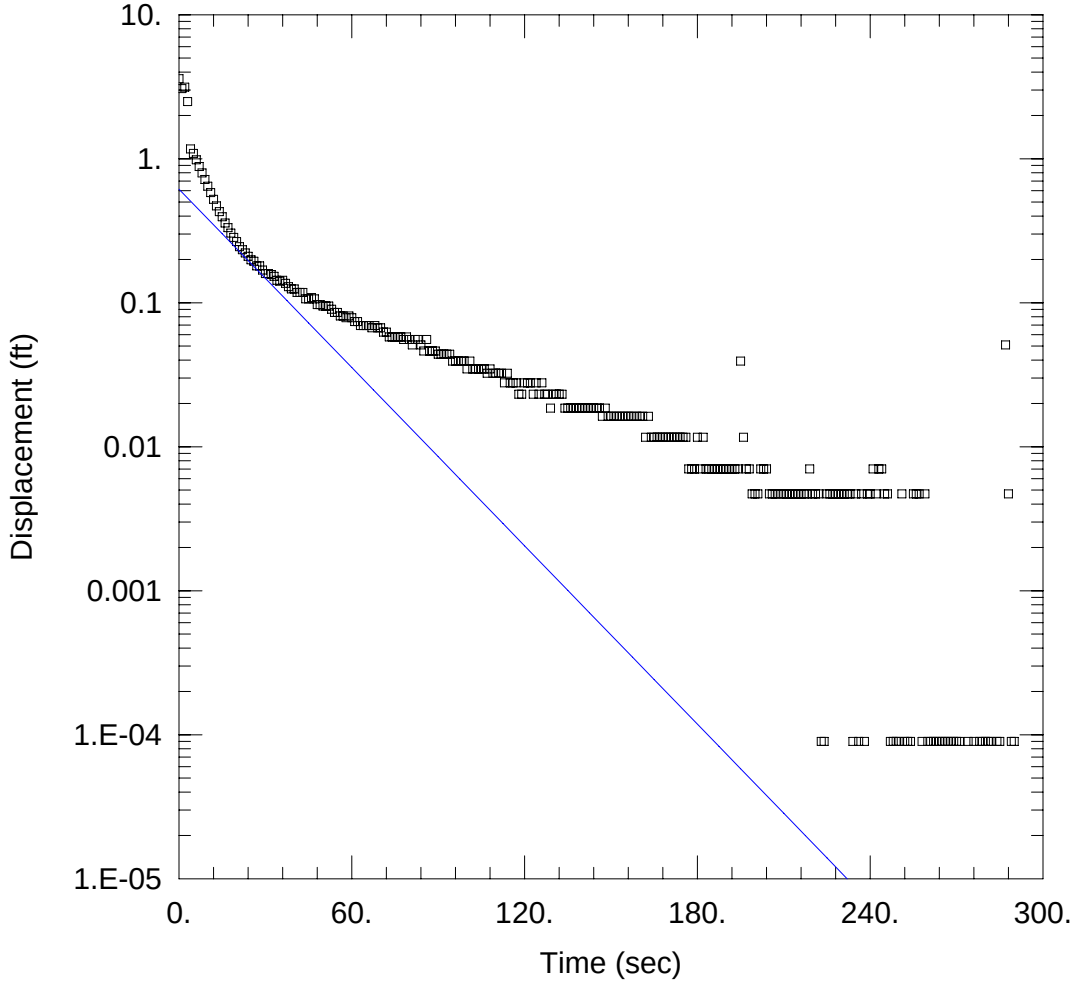
WELL DATA (MW-18B)

Initial Displacement: 5.209 ft Water Column Height: 4. ft
Casing Radius: 0.083 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 0.03832 ft/day y0 = 3.098 ft



MW-19A FALLING

Data Set: \...\MW-19AFall.aqt
Date: 11/12/08 Time: 14:56:33

PROJECT INFORMATION

Company: EA
Client: AEC
Project: 19A Falling
Test Location: Fort Buchanan
Test Well: MW-19A
Test Date: 9/25/08

AQUIFER DATA

Saturated Thickness: 6. ft Anisotropy Ratio (Kz/Kr): 0.1

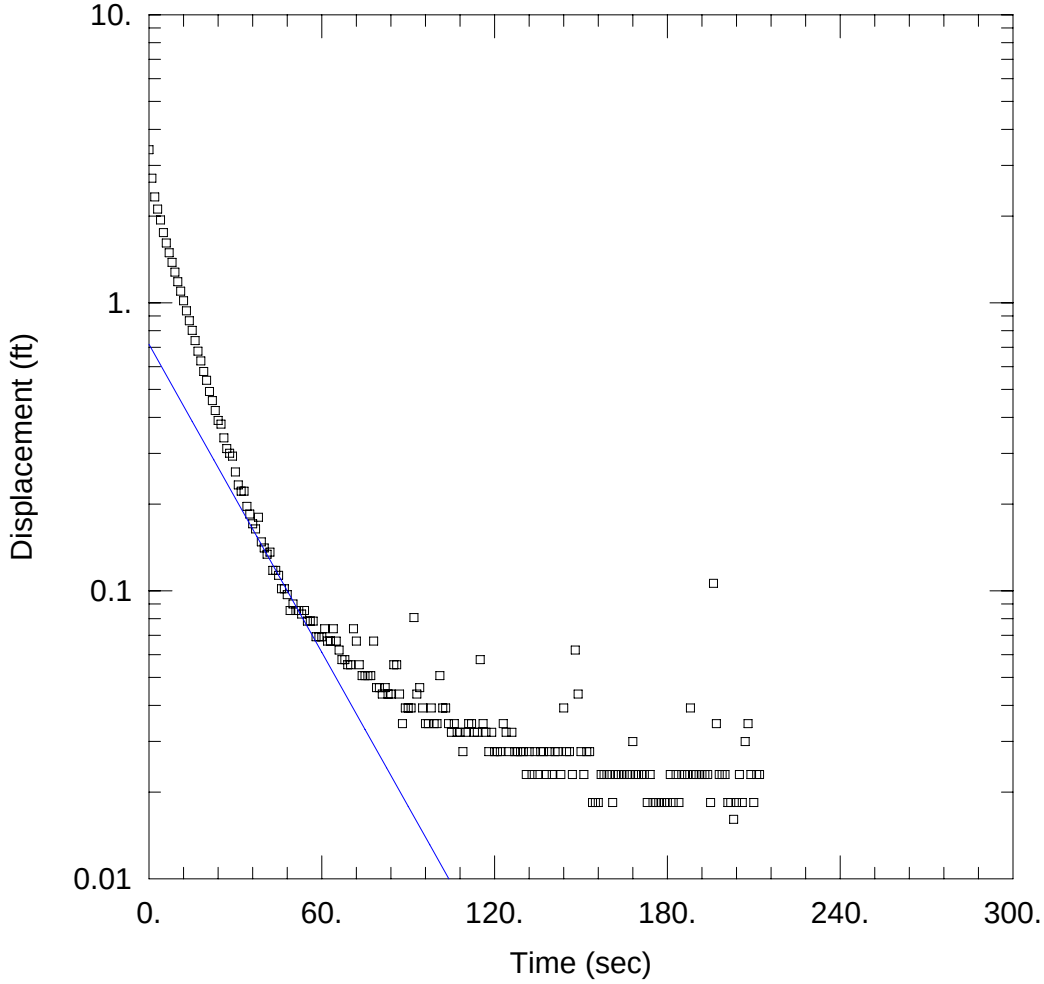
WELL DATA (MW-19A)

Initial Displacement: 3.599 ft Water Column Height: 6. ft
Casing Radius: 0.083 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 17.31 ft/day y0 = 0.6146 ft



MW-19A RISING

Data Set: \...\MW-19ARise.aqt
Date: 11/12/08 Time: 14:56:57

PROJECT INFORMATION

Company: EA
Client: AEC
Project: 19A Rising
Test Location: Fort Buchanan
Test Well: MW-19A
Test Date: 9/25/08

AQUIFER DATA

Saturated Thickness: 6. ft Anisotropy Ratio (Kz/Kr): 0.1

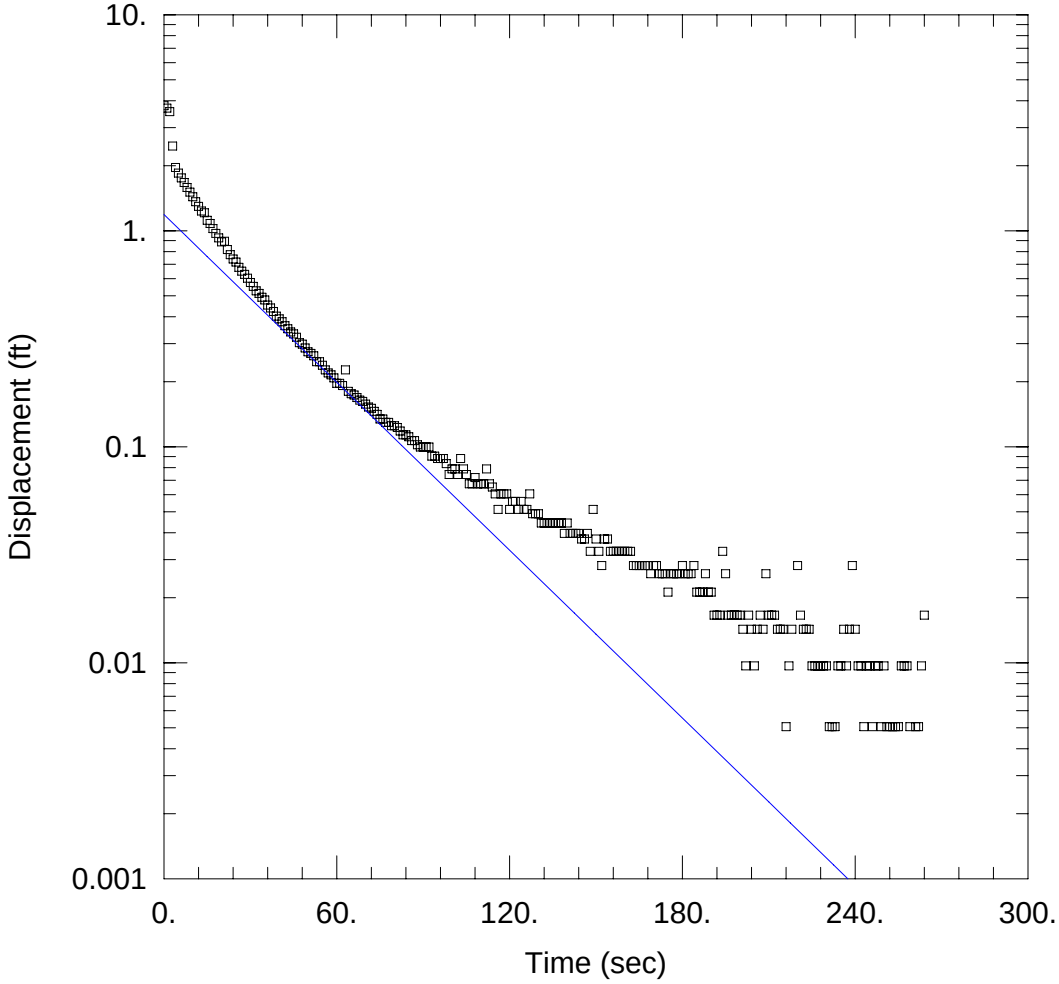
WELL DATA (MW-19A)

Initial Displacement: 3.4 ft Water Column Height: 6. ft
Casing Radius: 0.083 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 14.95 ft/day y0 = 0.7172 ft



MW-19B FALLING

Data Set: \...\MW-19BFall.aqt
Date: 11/12/08 Time: 14:57:18

PROJECT INFORMATION

Company: EA
Client: AEC
Project: 19B Falling
Test Location: Fort Buchanan
Test Well: MW-19B
Test Date: 9/25/08

AQUIFER DATA

Saturated Thickness: 16.5 ft Anisotropy Ratio (Kz/Kr): 0.1

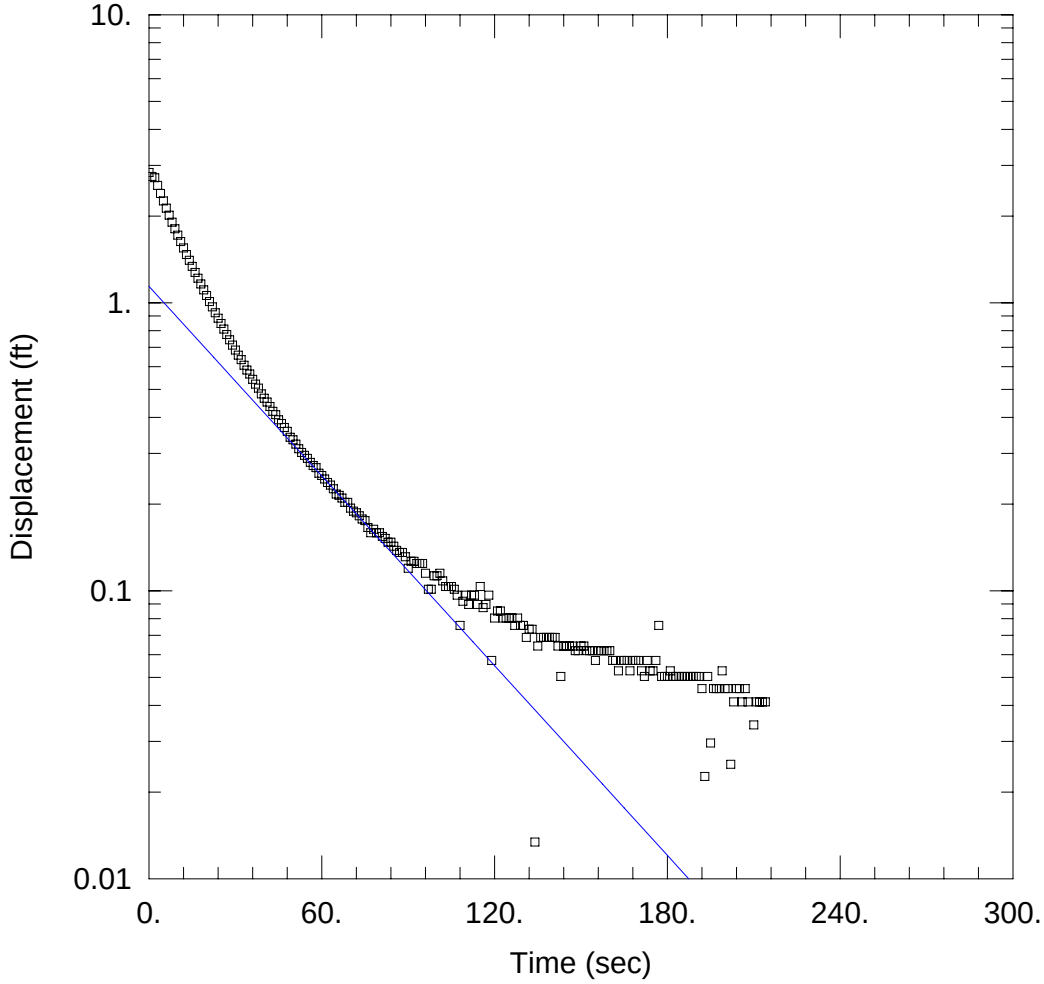
WELL DATA (MW-19B)

Initial Displacement: 3.795 ft Water Column Height: 16.5 ft
Casing Radius: 0.083 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 18.5 ft/day y0 = 1.188 ft



MW-19B RISING

Data Set: \...\MW-19BRise.aqt
Date: 11/12/08 Time: 14:57:44

PROJECT INFORMATION

Company: EA
Client: AEC
Project: 19B Rising
Test Location: Fort Buchanan
Test Well: MW-19B
Test Date: 9/25/08

AQUIFER DATA

Saturated Thickness: 16.5 ft Anisotropy Ratio (Kz/Kr): 0.1

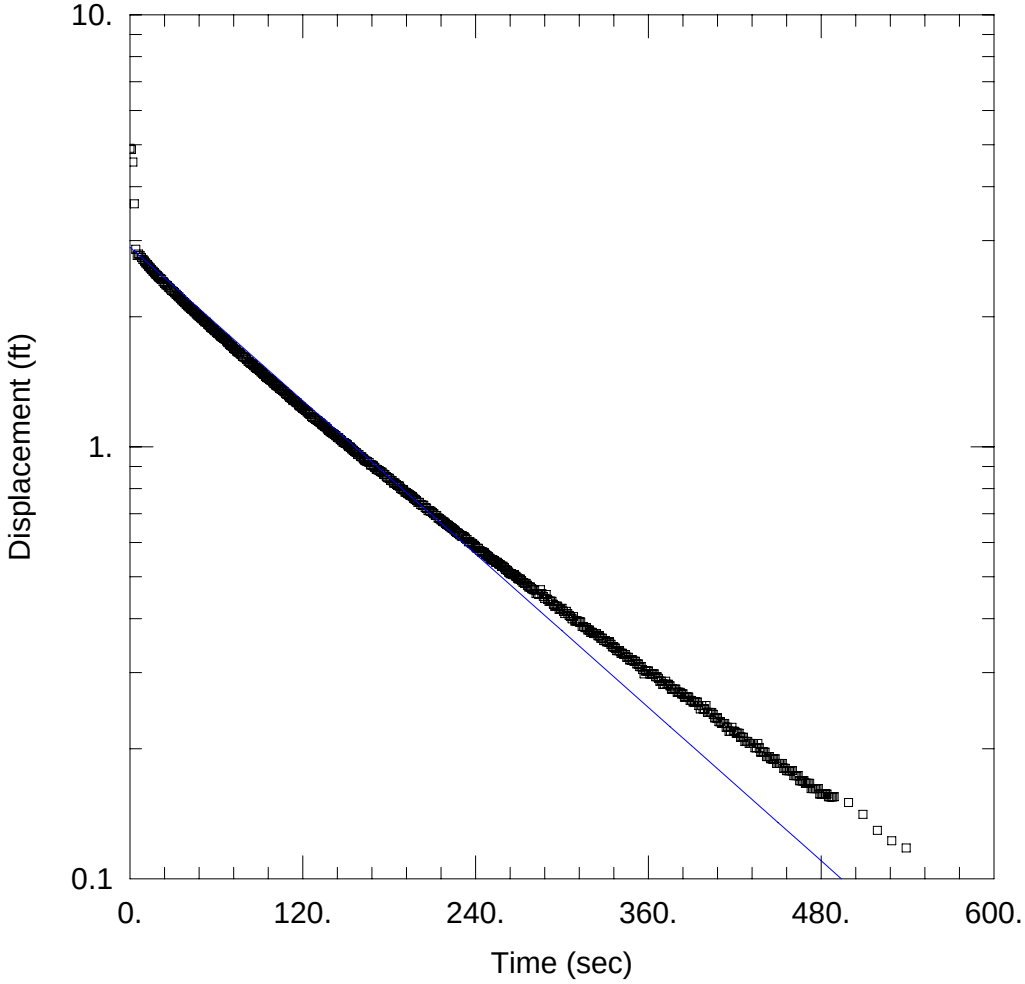
WELL DATA (MW-19B)

Initial Displacement: 2.833 ft Water Column Height: 16.5 ft
Casing Radius: 0.083 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 15.68 ft/day y0 = 1.14 ft



MW-20 FALLING

Data Set: \...\MW-20Fall.aqt
Date: 11/12/08 Time: 14:58:02

PROJECT INFORMATION

Company: EA
Client: AEC
Project: MW-20 Falling
Test Location: Fort Buchanan
Test Well: MW-20
Test Date: 9/24/08

AQUIFER DATA

Saturated Thickness: 9. ft Anisotropy Ratio (Kz/Kr): 0.1

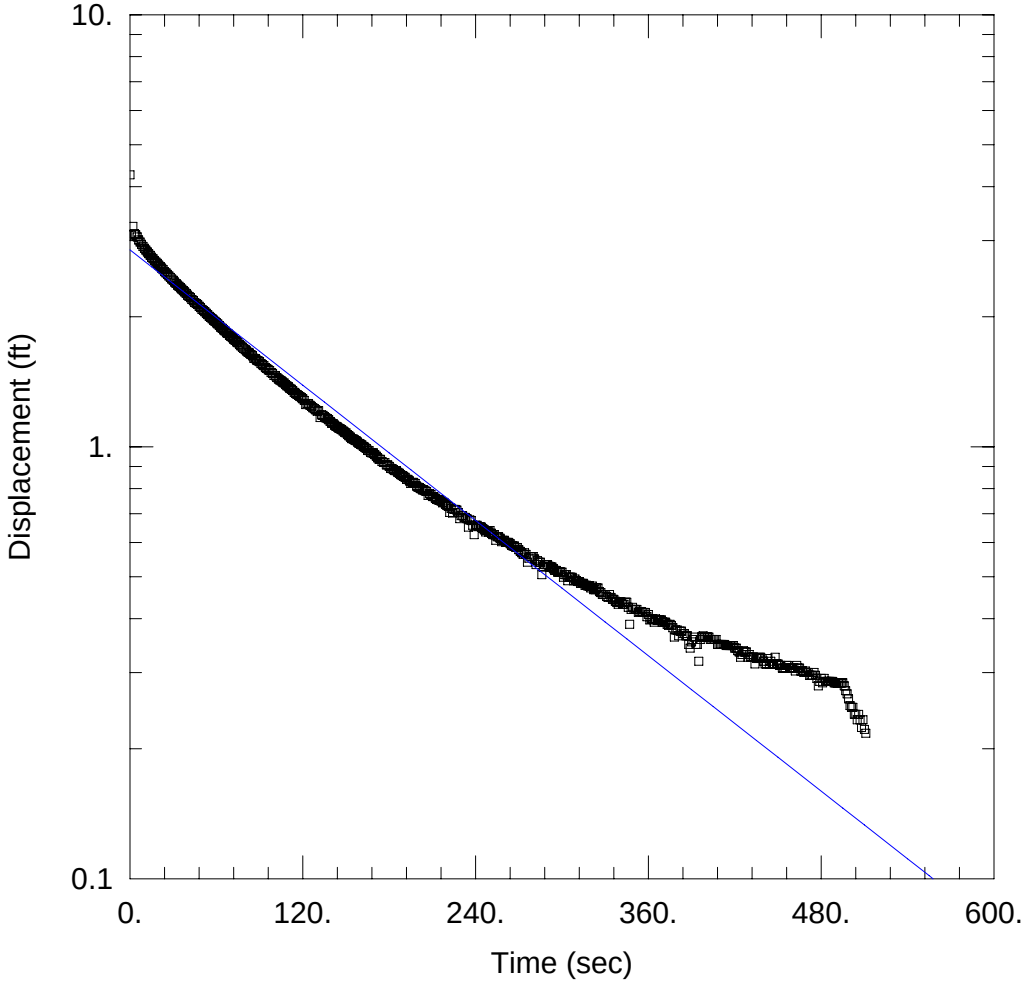
WELL DATA (MW-20)

Initial Displacement: 4.908 ft Water Column Height: 9. ft
Casing Radius: 0.083 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 2.772 ft/day y0 = 2.895 ft



MW-20 RISING

Data Set: \...\MW-20Rise.aqt
Date: 11/12/08 Time: 14:58:21

PROJECT INFORMATION

Company: EA
Client: AEC
Project: MW-20 Rising
Test Location: Fort Buchanan
Test Well: MW-20
Test Date: 9/24/08

AQUIFER DATA

Saturated Thickness: 9. ft Anisotropy Ratio (Kz/Kr): 0.1

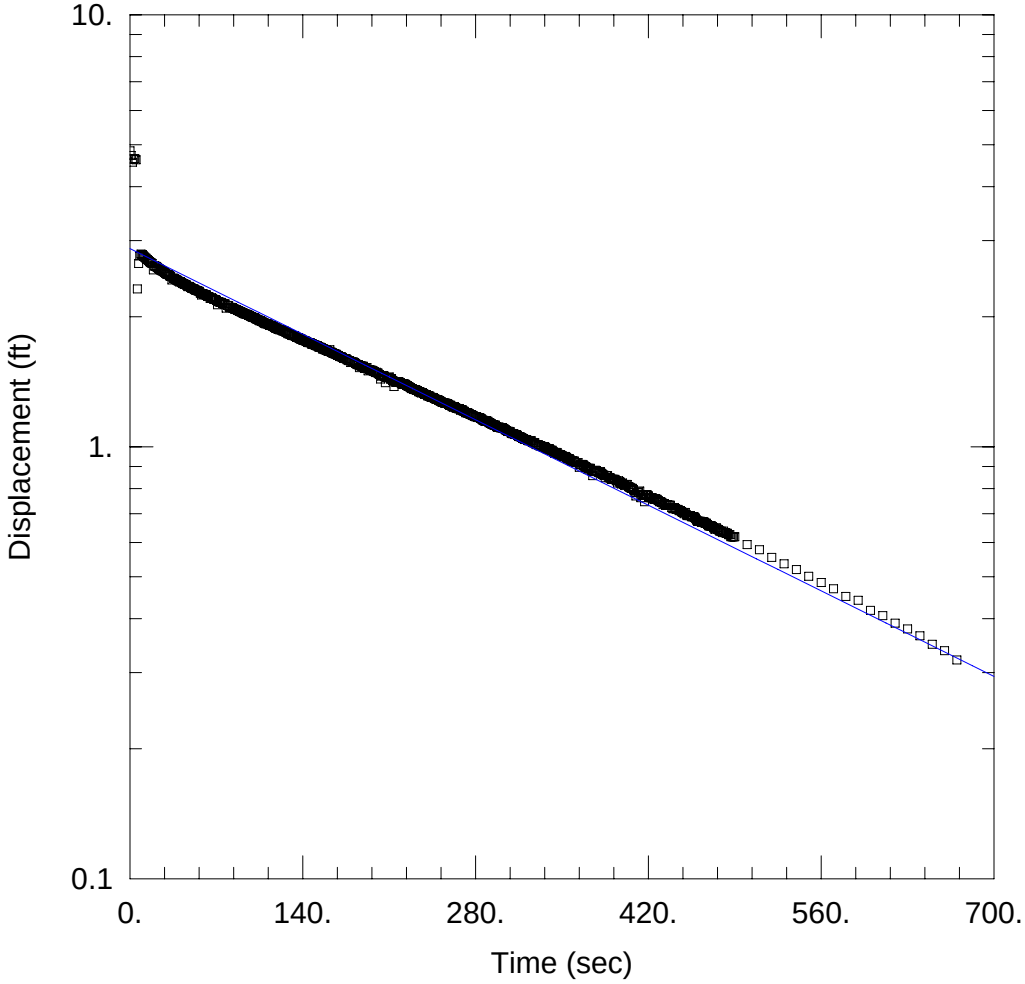
WELL DATA (MW-20)

Initial Displacement: 4.26 ft Water Column Height: 9. ft
Casing Radius: 0.083 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 2.446 ft/day y0 = 2.856 ft



MW-21 FALLING

Data Set: \...\MW-21Fall.aqt
Date: 11/12/08 Time: 14:58:44

PROJECT INFORMATION

Company: EA
Client: AEC
Project: MW-21 Falling
Test Location: Fort Buchanan
Test Well: MW-21
Test Date: 9/24/08

AQUIFER DATA

Saturated Thickness: 11. ft Anisotropy Ratio (Kz/Kr): 0.1

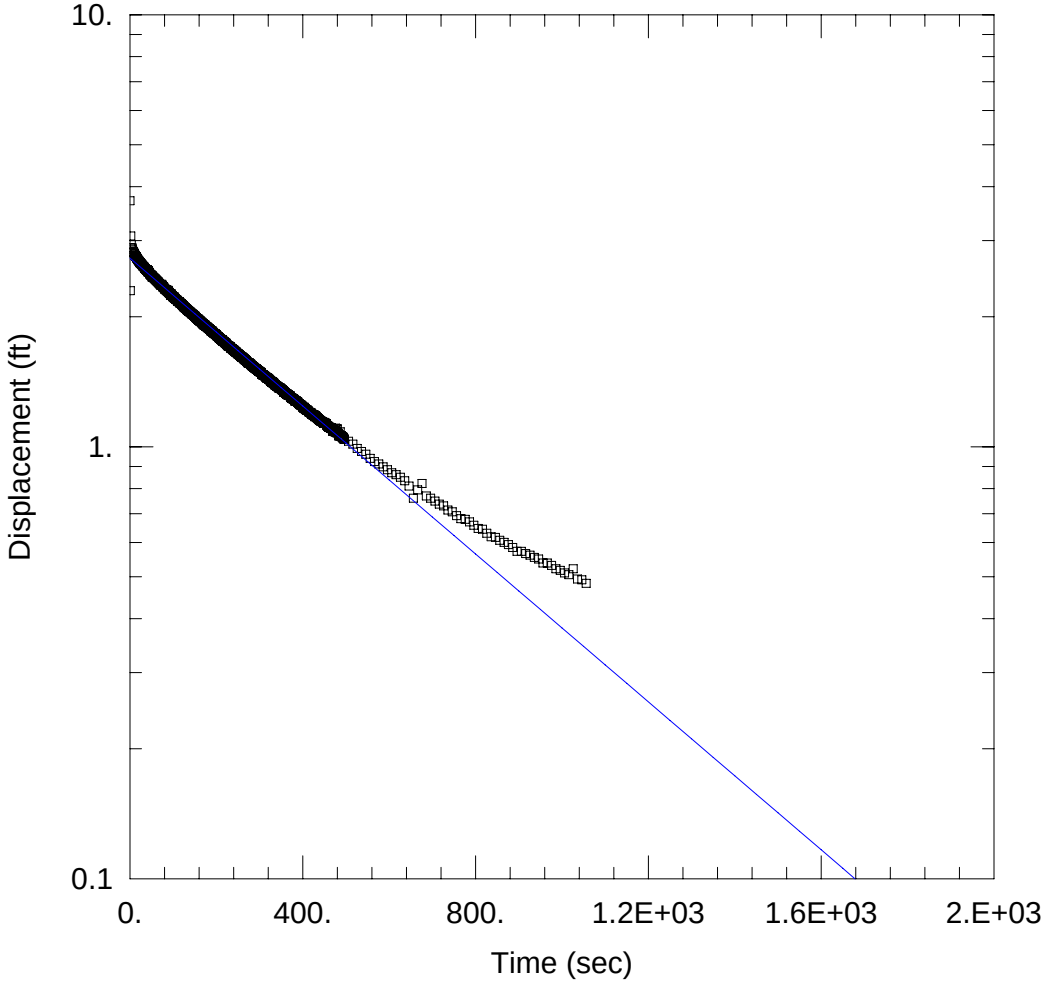
WELL DATA (MW-21)

Initial Displacement: 4.84 ft Water Column Height: 11. ft
Casing Radius: 0.083 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 1.884 ft/day y0 = 2.875 ft



MW-21 RISING

Data Set: \...\MW-21Rise.aqt
Date: 11/12/08 Time: 14:59:02

PROJECT INFORMATION

Company: EA
Client: AEC
Project: MW-21 Rising
Test Location: Fort Buchanan
Test Well: MW-21
Test Date: 9/24/08

AQUIFER DATA

Saturated Thickness: 11. ft
Anisotropy Ratio (Kz/Kr): 0.1

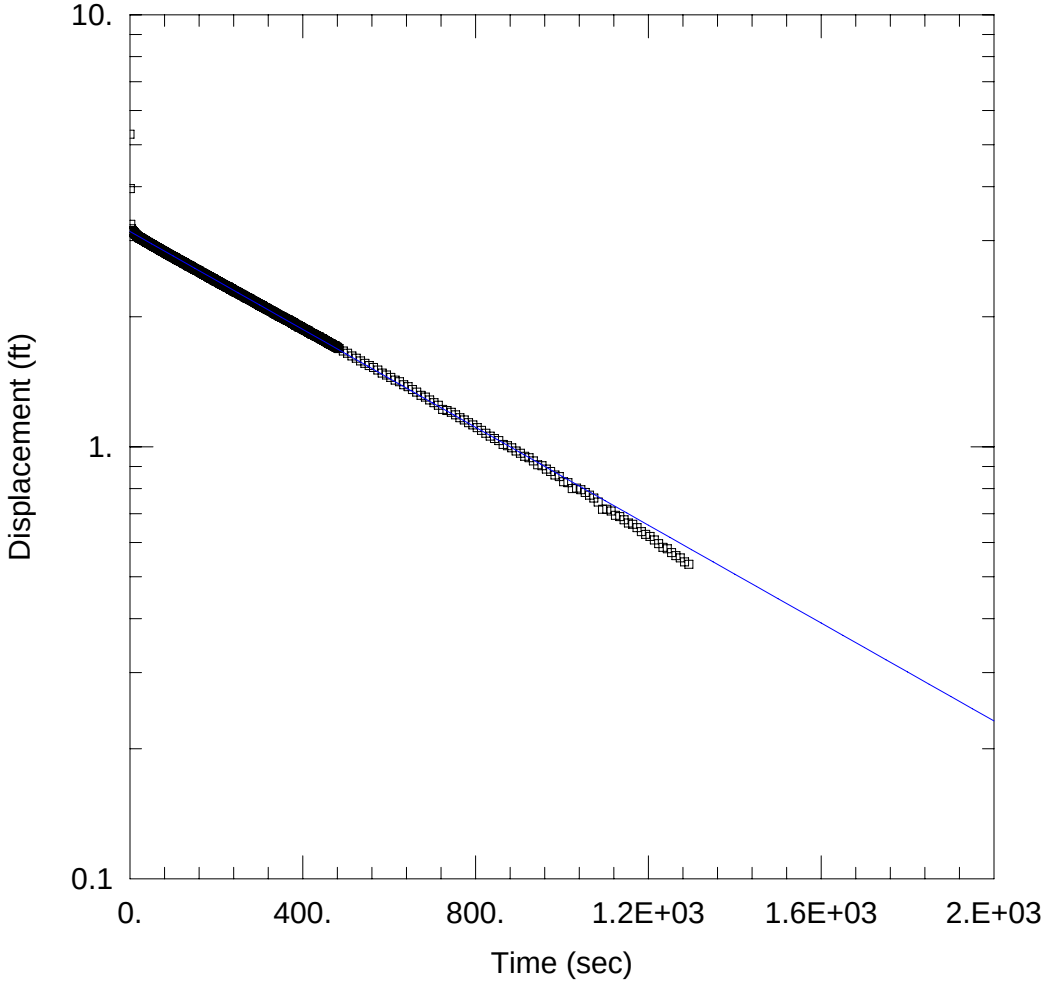
WELL DATA (MW-21)

Initial Displacement: 3.71 ft
Water Column Height: 11. ft
Casing Radius: 0.083 ft
Wellbore Radius: 0.33 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice

K = 1.14 ft/day
y0 = 2.732 ft



MW-22 FALLING

Data Set: \...\MW-22Fall.aqt
Date: 11/12/08 Time: 14:59:24

PROJECT INFORMATION

Company: EA
Client: AEC
Project: MW-22 Falling
Test Location: Fort Buchanan
Test Well: MW-22
Test Date: 9/24/08

AQUIFER DATA

Saturated Thickness: 10. ft Anisotropy Ratio (Kz/Kr): 0.1

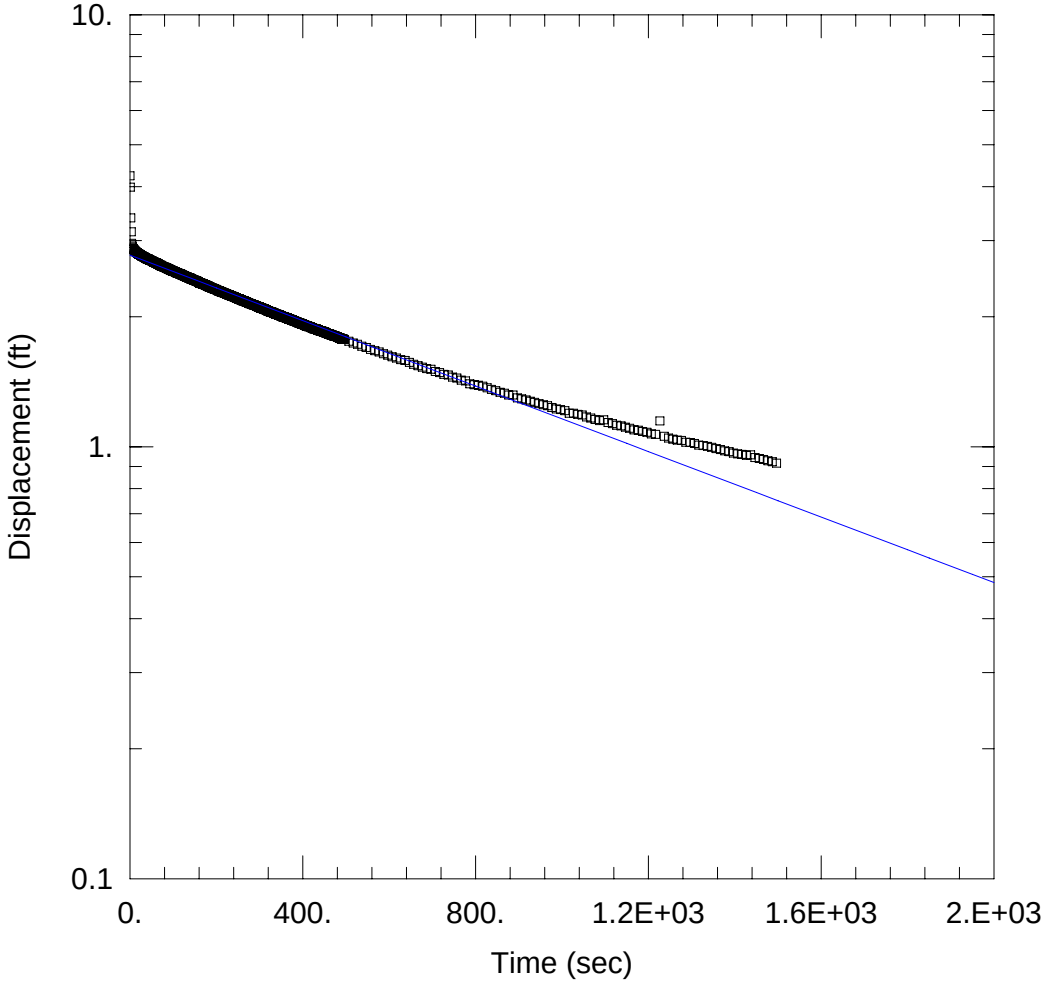
WELL DATA (MW-22)

Initial Displacement: 5.29 ft Water Column Height: 10. ft
Casing Radius: 0.083 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 0.5449 ft/day y0 = 3.15 ft



MW-22 RISING

Data Set: \...\MW-22Rise.aqt
Date: 11/12/08 Time: 14:59:43

PROJECT INFORMATION

Company: EA
Client: AEC
Project: MW-22 Rising
Test Location: Fort Buchanan
Test Well: MW-22
Test Date: 9/24/08

AQUIFER DATA

Saturated Thickness: 10. ft Anisotropy Ratio (Kz/Kr): 0.1

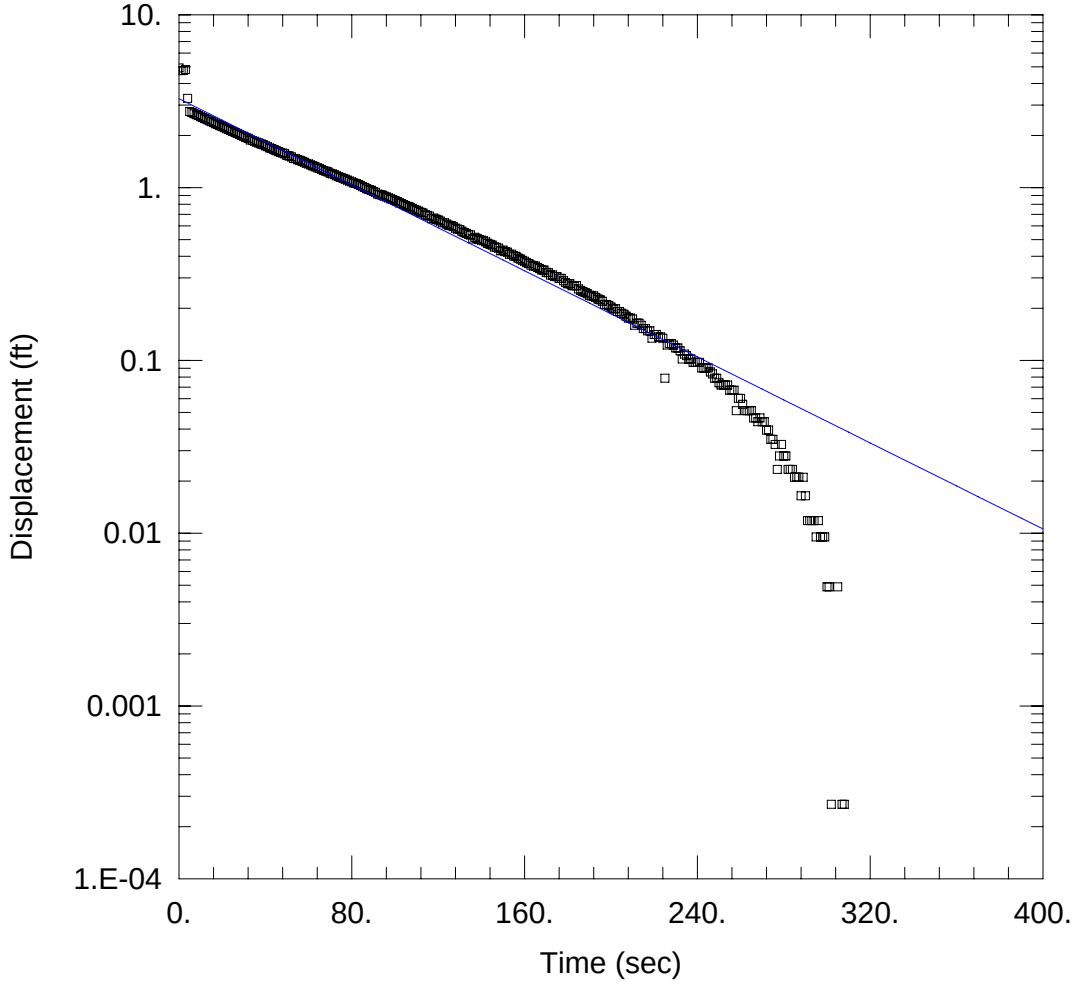
WELL DATA (MW-22)

Initial Displacement: 4.24 ft Water Column Height: 10. ft
Casing Radius: 0.083 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 0.3644 ft/day y0 = 2.777 ft



MW-23 FALLING

Data Set: \...\MW-23Fall.aqt
Date: 11/12/08 Time: 15:00:55

PROJECT INFORMATION

Company: EA
Client: AEC
Project: MW-23 Falling
Test Location: Fort Buchanan
Test Well: MW-23
Test Date: 9/24/08

AQUIFER DATA

Saturated Thickness: 13. ft Anisotropy Ratio (Kz/Kr): 0.1

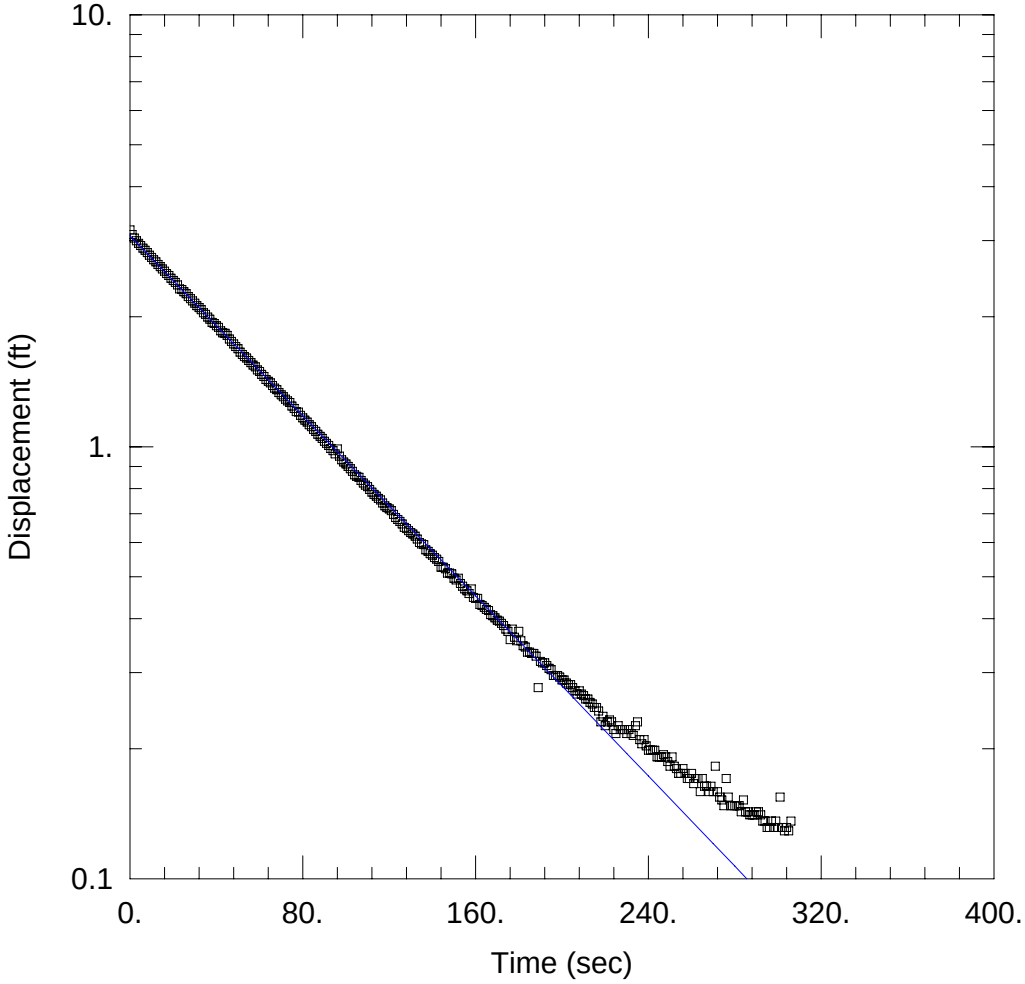
WELL DATA (MW-23)

Initial Displacement: 4.92 ft Water Column Height: 13. ft
Casing Radius: 0.083 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 8.543 ft/day y0 = 3.269 ft



MW-23 RISING

Data Set: \...\MW-23Rise.aqt
Date: 11/12/08 Time: 15:01:21

PROJECT INFORMATION

Company: EA
Client: AEC
Project: MW-23 Rising
Test Location: Fort Buchanan
Test Well: MW-23
Test Date: 9/24/08

AQUIFER DATA

Saturated Thickness: 13. ft Anisotropy Ratio (Kz/Kr): 0.1

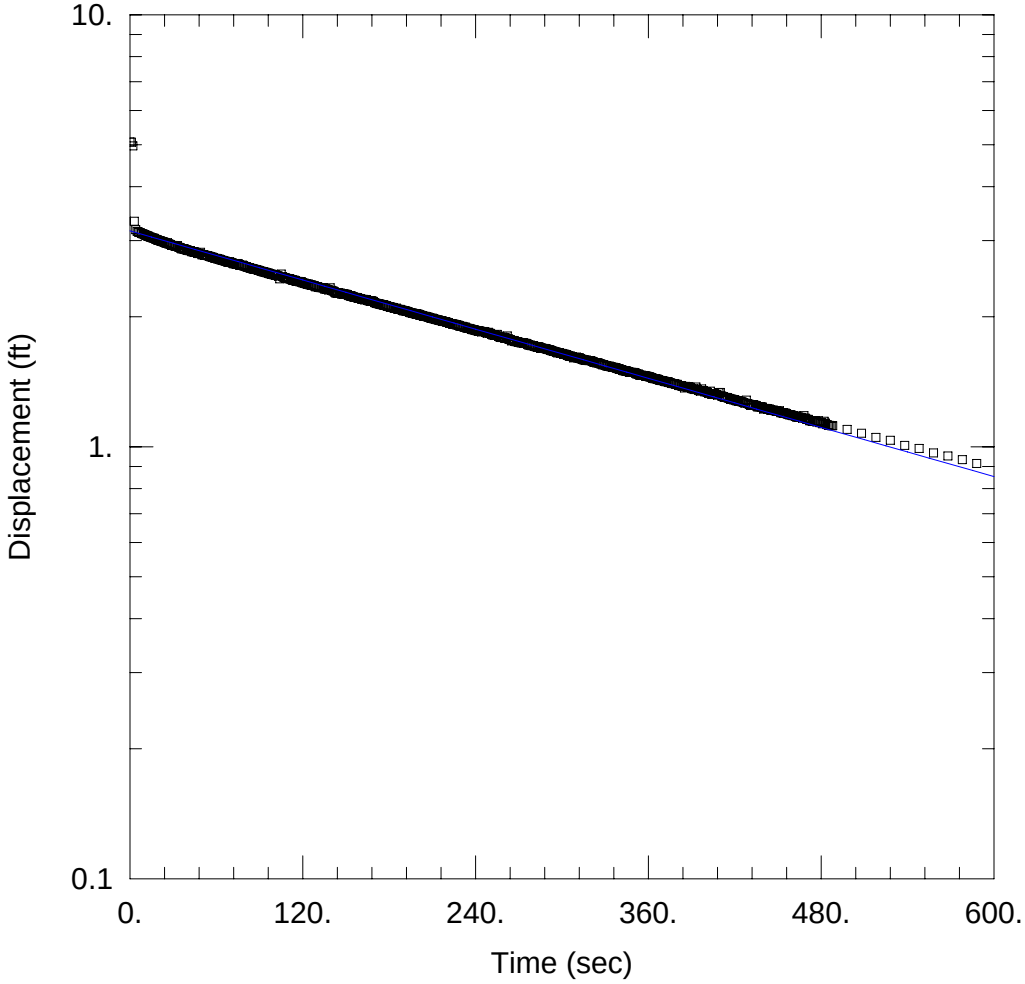
WELL DATA (MW-23)

Initial Displacement: 3.178 ft Water Column Height: 13. ft
Casing Radius: 0.083 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 7.152 ft/day y0 = 3.081 ft



MW-24 FALLING

Data Set: \...\MW-24Fall.aqt
Date: 11/12/08 Time: 15:01:48

PROJECT INFORMATION

Company: EA
Client: AEC
Project: MW-24 Falling
Test Location: Fort Buchanan
Test Well: MW-24
Test Date: 9/24/08

AQUIFER DATA

Saturated Thickness: 8. ft Anisotropy Ratio (Kz/Kr): 0.1

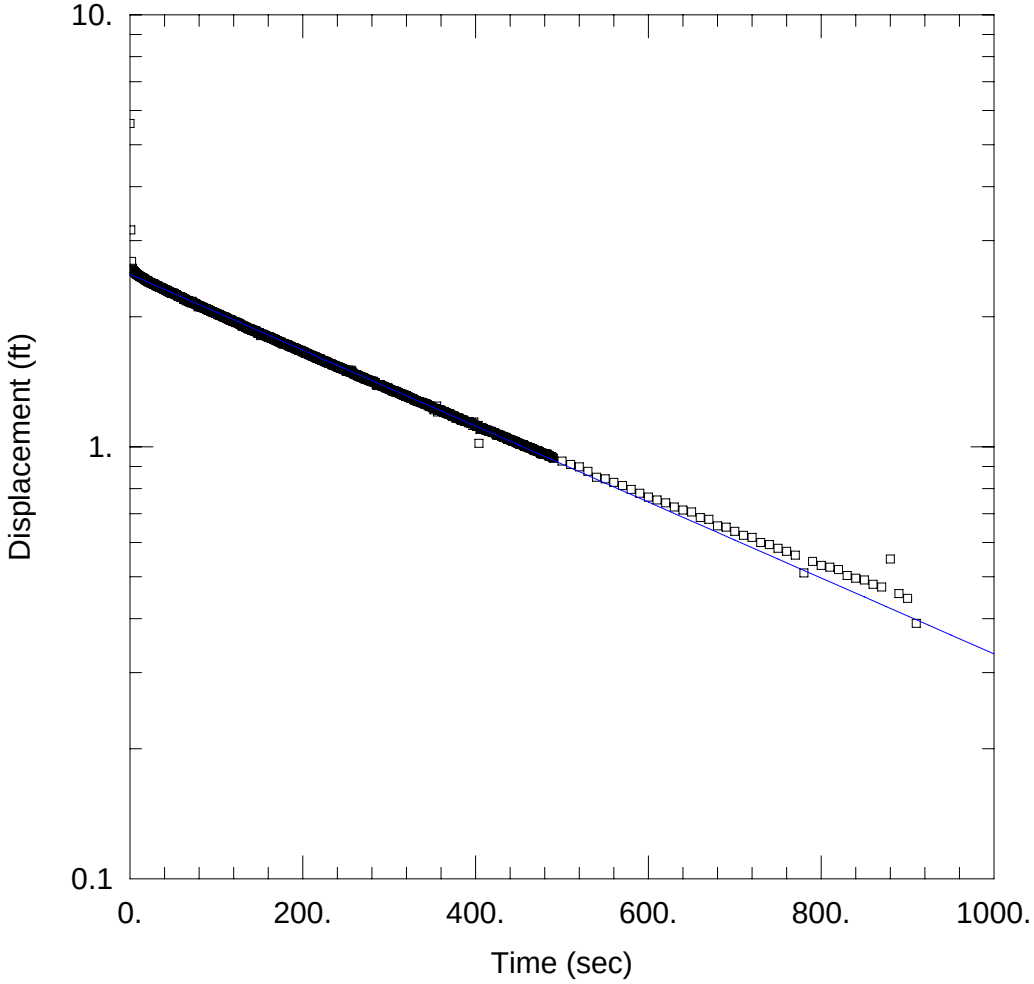
WELL DATA (MW-24)

Initial Displacement: 5.077 ft Water Column Height: 8. ft
Casing Radius: 0.083 ft Wellbore Radius: 0.33 ft
Screen Length: 5. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 2.302 ft/day y0 = 3.16 ft



MW-24 RISING

Data Set: \...\MW-24Rise.aqt
Date: 11/12/08 Time: 15:02:14

PROJECT INFORMATION

Company: EA
Client: AEC
Project: MW-24 Rising
Test Location: Fort Buchanan
Test Well: MW-24
Test Date: 9/24/08

AQUIFER DATA

Saturated Thickness: 8. ft Anisotropy Ratio (Kz/Kr): 0.1

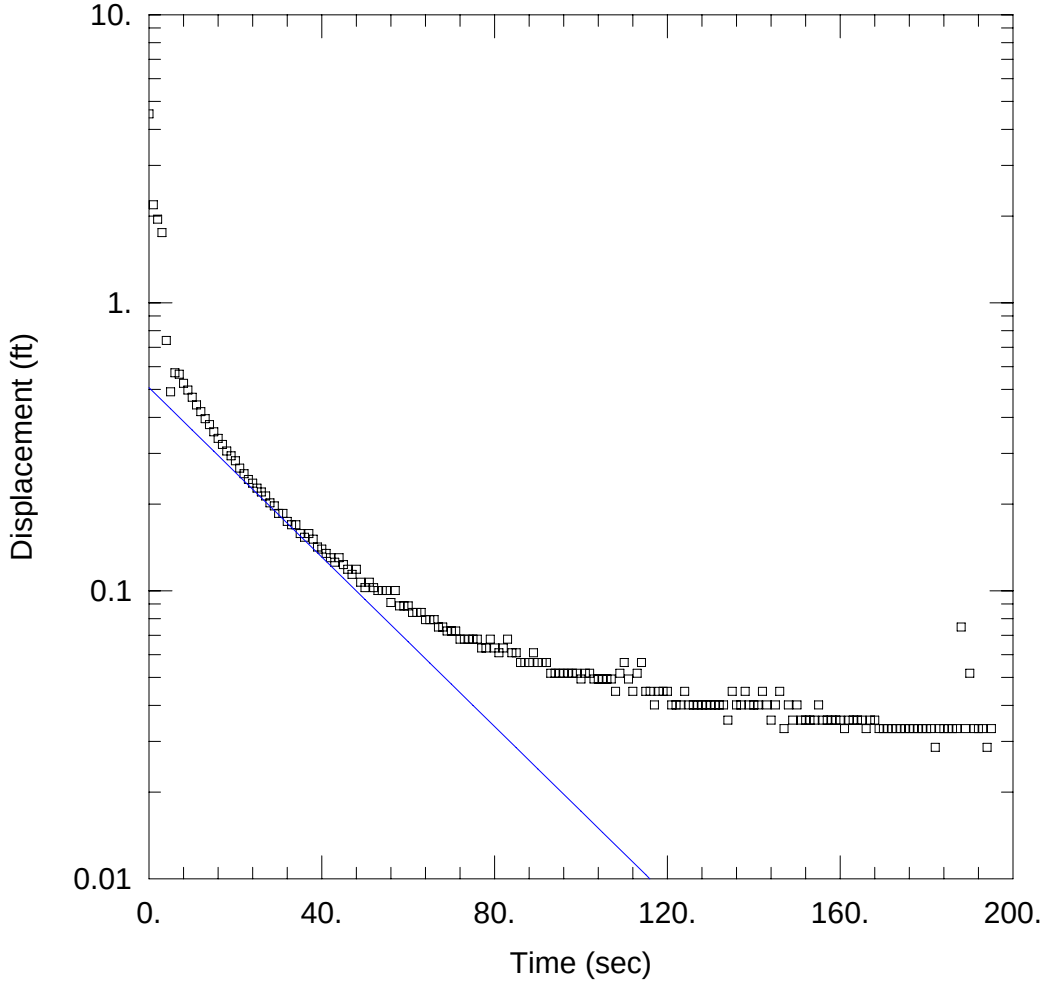
WELL DATA (MW-24)

Initial Displacement: 5.601 ft Water Column Height: 8. ft
Casing Radius: 0.083 ft Wellbore Radius: 0.33 ft
Screen Length: 5. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 2.134 ft/day y0 = 2.507 ft



MW-25 FALLING

Data Set: \...\MW-25Fall.aqt
Date: 11/12/08 Time: 15:02:37

PROJECT INFORMATION

Company: EA
Client: AEC
Project: MW-25 Falling
Test Location: Fort Buchanan
Test Well: MW-25
Test Date: 9/25/08

AQUIFER DATA

Saturated Thickness: 10. ft Anisotropy Ratio (Kz/Kr): 0.1

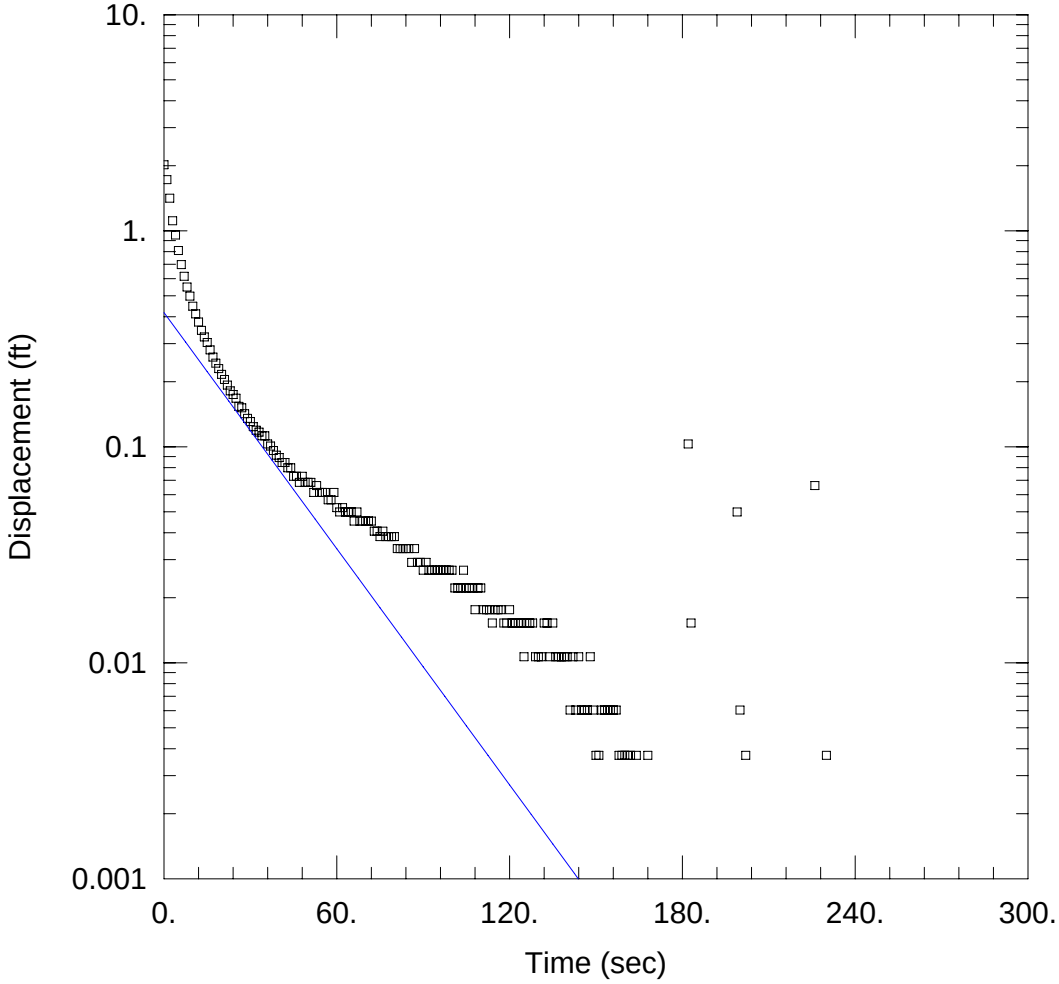
WELL DATA (MW-25)

Initial Displacement: 4.53 ft Water Column Height: 10. ft
Casing Radius: 0.083 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 14.15 ft/day y0 = 0.5072 ft



MW-25 RISING

Data Set: \...\MW-25Rise.aqt
Date: 11/12/08 Time: 15:02:57

PROJECT INFORMATION

Company: EA
Client: AEC
Project: MW-25 Rising
Test Location: Fort Buchanan
Test Well: MW-25
Test Date: 9/25/08

AQUIFER DATA

Saturated Thickness: 10. ft Anisotropy Ratio (Kz/Kr): 0.1

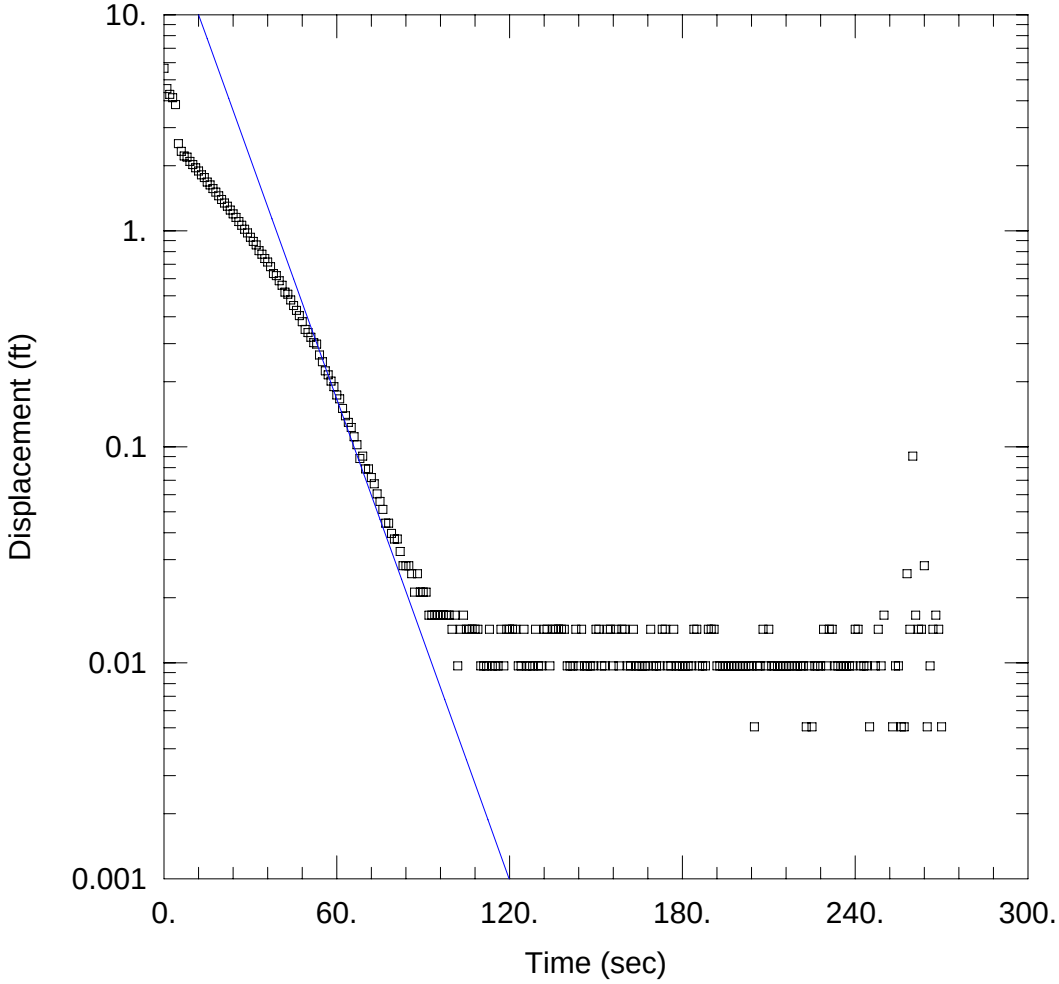
WELL DATA (MW-25)

Initial Displacement: 2.02 ft Water Column Height: 10. ft
Casing Radius: 0.083 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 17.53 ft/day y0 = 0.4181 ft



MW-26 FALLING

Data Set: \...\MW-26Fall.aqt
Date: 11/12/08 Time: 15:03:15

PROJECT INFORMATION

Company: EA
Client: AEC
Project: MW-26 Falling
Test Location: Fort Buchanan
Test Well: MW-26
Test Date: 9/25/08

AQUIFER DATA

Saturated Thickness: 12. ft Anisotropy Ratio (Kz/Kr): 0.1

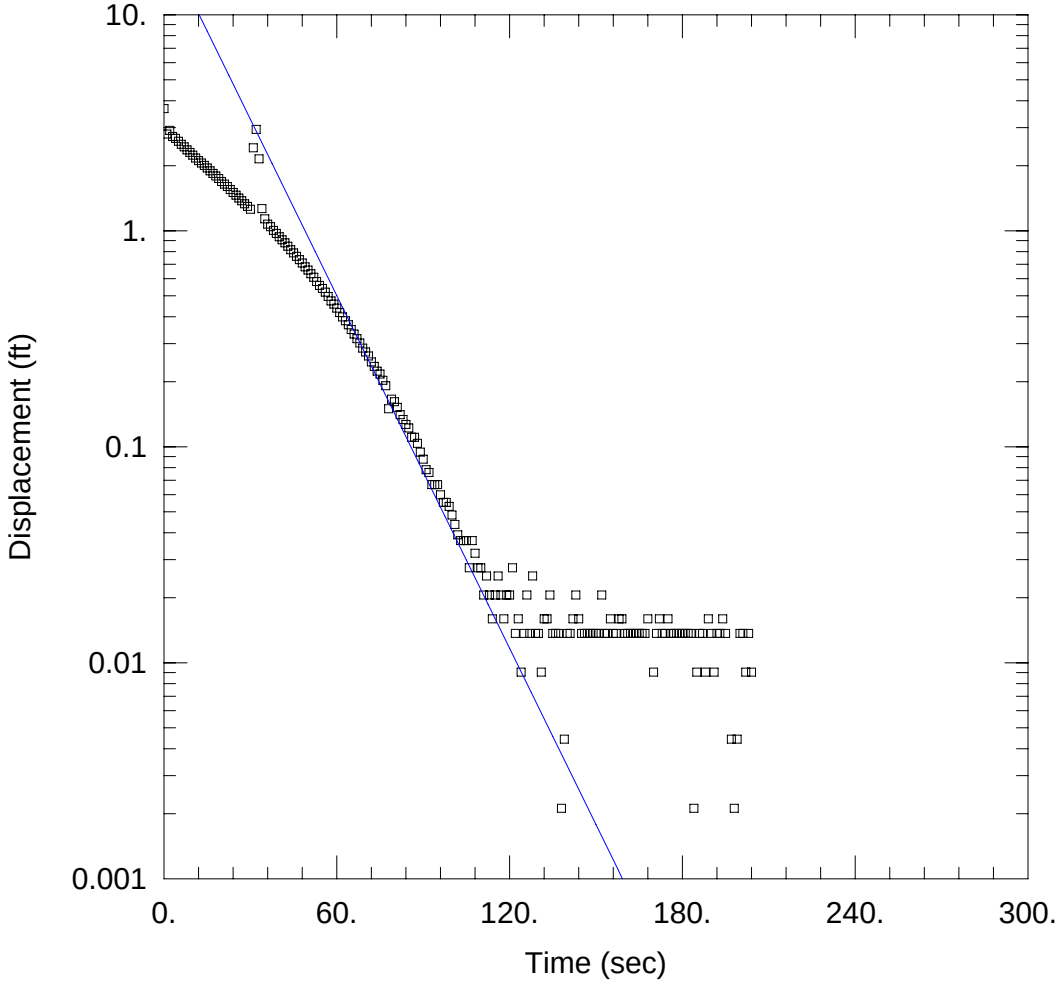
WELL DATA (MW-26)

Initial Displacement: 5.65 ft Water Column Height: 12. ft
Casing Radius: 0.083 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 50.2 ft/day y0 = 27.96 ft



MW-26 RISING

Data Set: \...\MW-26Rise.aqt
Date: 11/12/08 Time: 15:03:36

PROJECT INFORMATION

Company: EA
Client: AEC
Project: MW-26 Rising
Test Location: Fort Buchanan
Test Well: MW-26
Test Date: 9/25/08

AQUIFER DATA

Saturated Thickness: 12. ft Anisotropy Ratio (Kz/Kr): 0.1

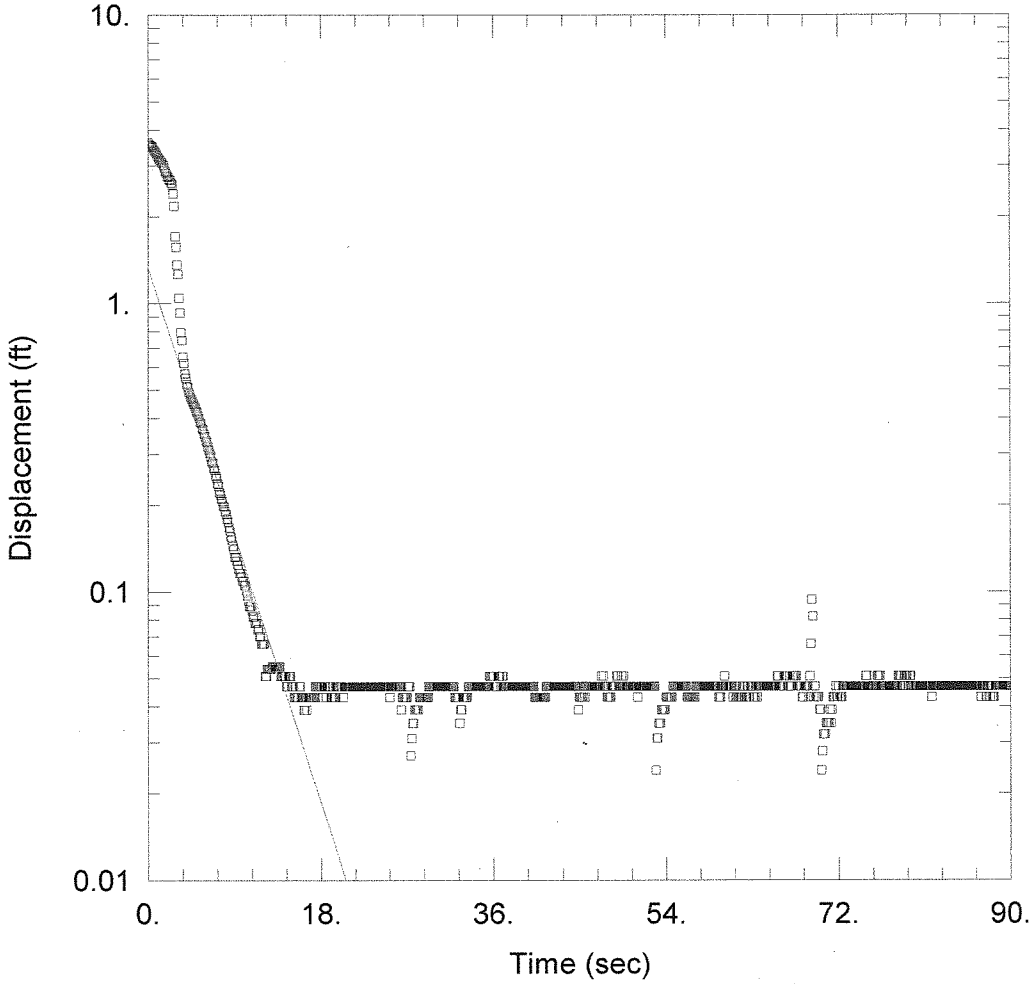
WELL DATA (MW-26)

Initial Displacement: 3.679 ft Water Column Height: 12. ft
Casing Radius: 0.083 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 36.82 ft/day y0 = 21.51 ft



OP-1 FALLING

Data Set: C:\...\OP-1 Fall.aqt
Date: 08/05/09 Time: 15:34:54

PROJECT INFORMATION

Company: EA
Client: AEC
Project: 6191717
Location: Fort Buchanan
Test Well: OP-1
Test Date: 1/27/09

AQUIFER DATA

Saturated Thickness: 26. ft
Anisotropy Ratio (Kz/Kr): 0.1

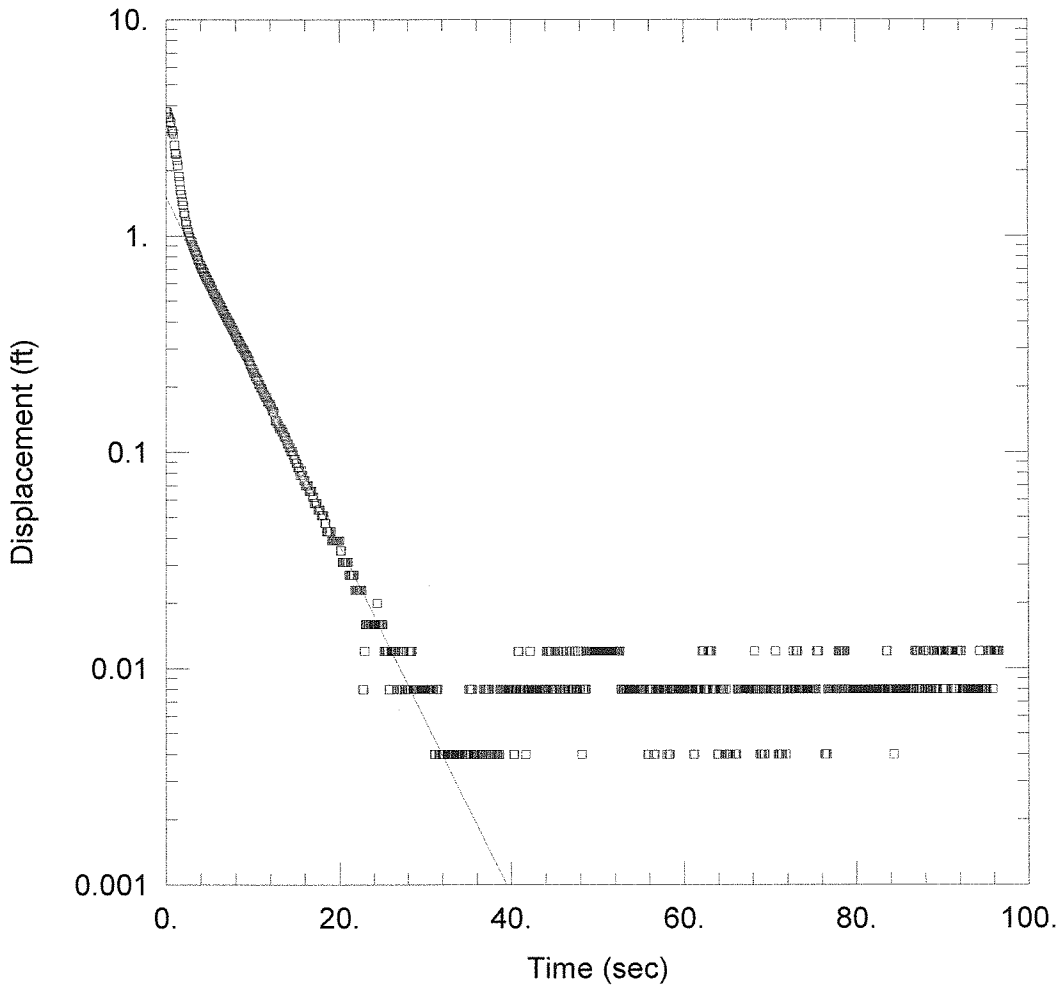
WELL DATA (OP-1)

Initial Displacement: 3.608 ft
Total Well Penetration Depth: 26. ft
Casing Radius: 0.083 ft
Static Water Column Height: 26. ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice

K = 29.07 ft/day
y0 = 1.329 ft



OP-1 RISING

Data Set: C:\...\OP-1 Rise.aqt
Date: 08/05/09 Time: 15:36:19

PROJECT INFORMATION

Company: EA
Client: AEC
Project: 6191717
Location: Fort Buchanan
Test Well: OP-1
Test Date: 1/27/09

AQUIFER DATA

Saturated Thickness: 26. ft
Anisotropy Ratio (Kz/Kr): 0.1

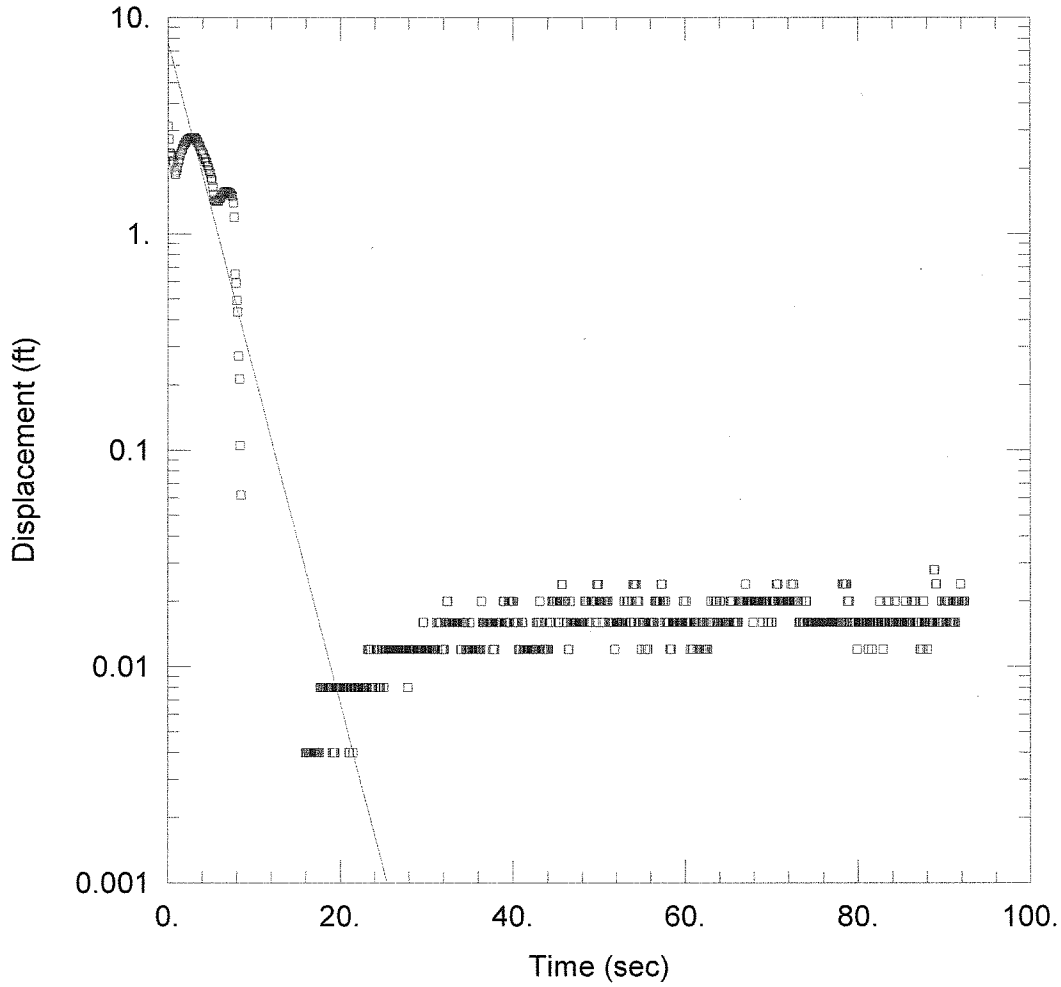
WELL DATA (OP-1)

Initial Displacement: 3.748 ft
Total Well Penetration Depth: 26. ft
Casing Radius: 0.083 ft
Static Water Column Height: 26. ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice

K = 22.73 ft/day
y0 = 1.513 ft



OP-2 FALLING

Data Set: \...\OP-2 Fall.aqt
Date: 08/05/09 Time: 15:30:43

PROJECT INFORMATION

Company: EA
Client: AEC
Project: 6191717
Test Location: Fort Buchanan
Test Well: OP-2
Test Date: 1/29/09

AQUIFER DATA

Saturated Thickness: 27. ft
Anisotropy Ratio (Kz/Kr): 0.1

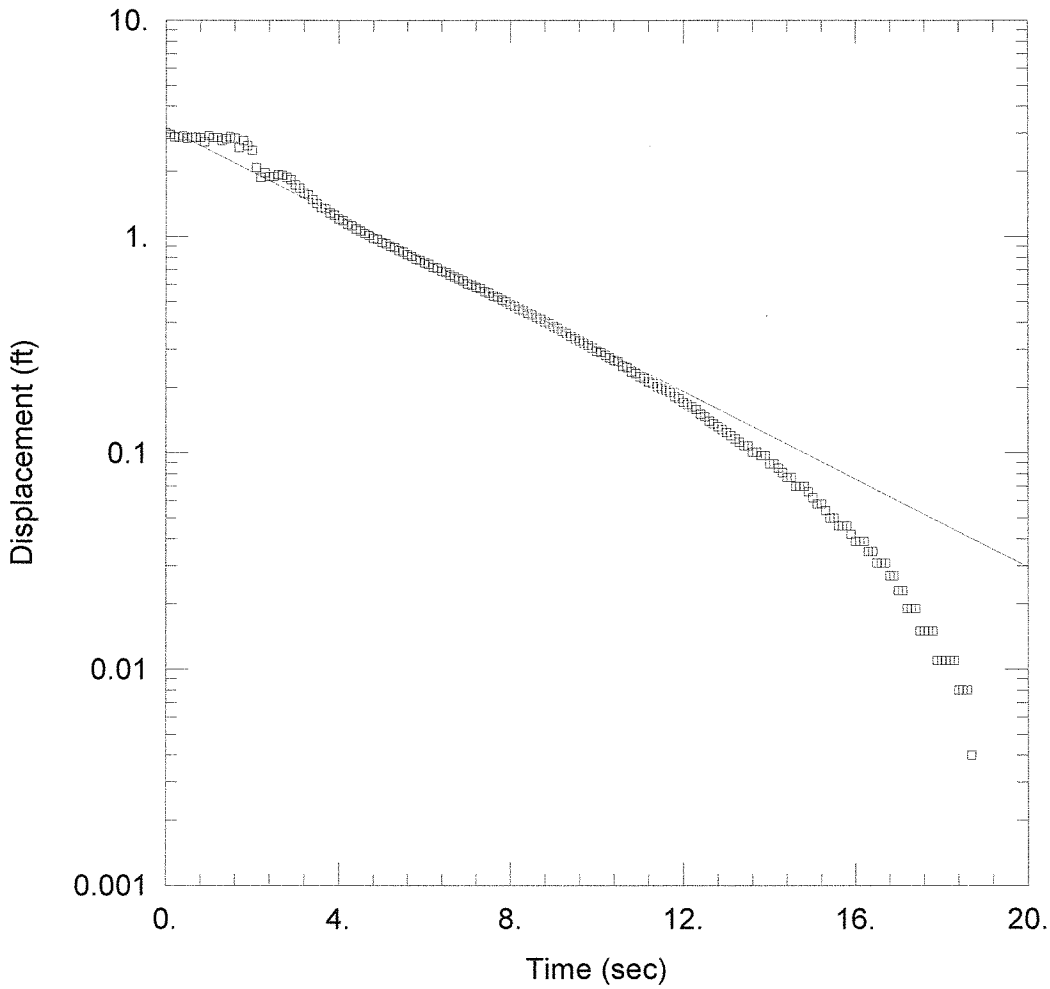
WELL DATA (OP-2)

Initial Displacement: 3.146 ft
Casing Radius: 0.083 ft
Screen Length: 10. ft
Water Column Height: 27. ft
Wellbore Radius: 0.33 ft
Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice

K = 235.3 ft/day
y0 = 7.612 ft



OP-2 RISING

Data Set: C:\...\OP-2 Rise.aqt
Date: 08/05/09 Time: 15:36:28

PROJECT INFORMATION

Company: EA
Client: AEC
Project: 6191717
Location: Fort Buchanan
Test Well: OP-2
Test Date: 1/29/09

AQUIFER DATA

Saturated Thickness: 27. ft
Anisotropy Ratio (Kz/Kr): 0.1

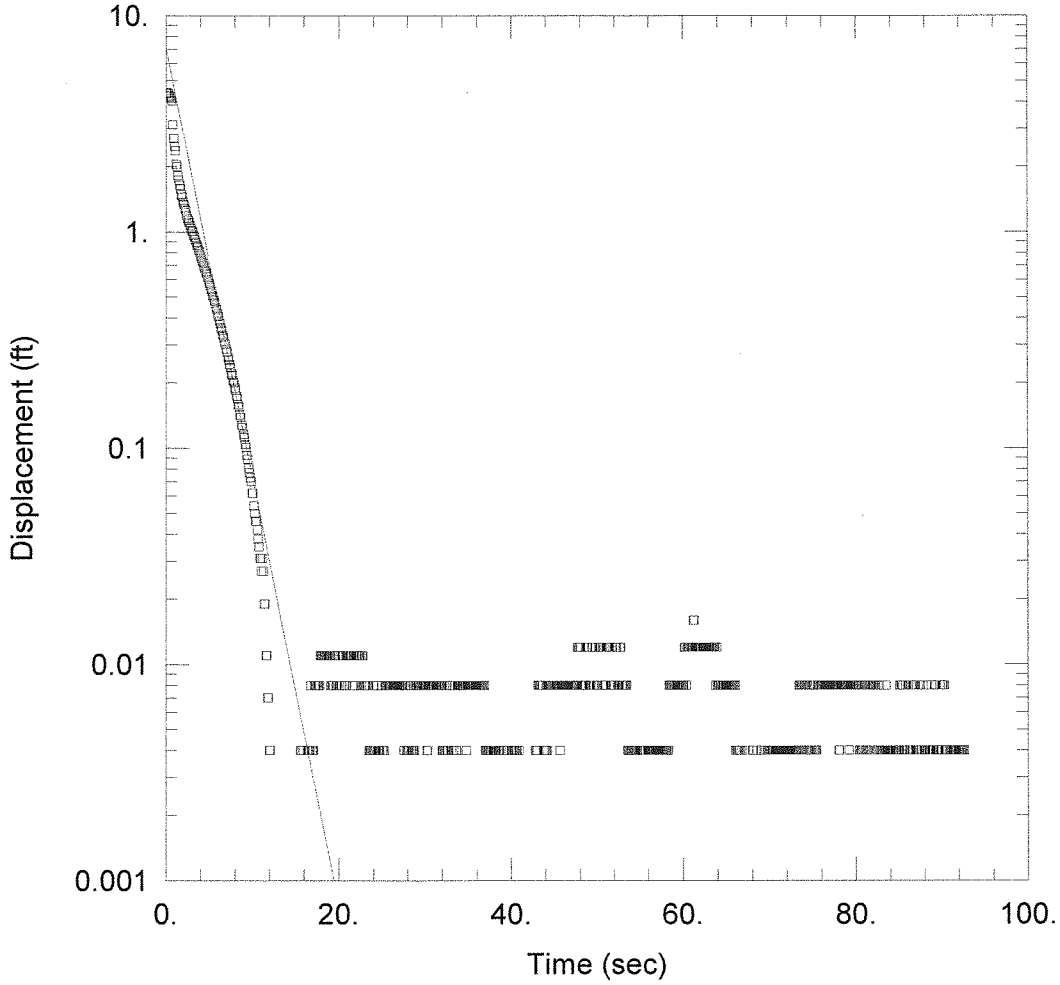
WELL DATA (OP-2)

Initial Displacement: 3.01 ft
Total Well Penetration Depth: 27. ft
Casing Radius: 0.083 ft
Static Water Column Height: 27. ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice

K = 28.76 ft/day
y0 = 3.179 ft



OP-3 FALLING

Data Set: C:\...\OP-3 Fall.aqt
Date: 08/05/09 Time: 15:36:36

PROJECT INFORMATION

Company: EA
Client: AEC
Project: 6191717
Location: Fort Buchanan
Test Well: OP-3
Test Date: 1/27/09

AQUIFER DATA

Saturated Thickness: 35. ft
Anisotropy Ratio (Kz/Kr): 0.1

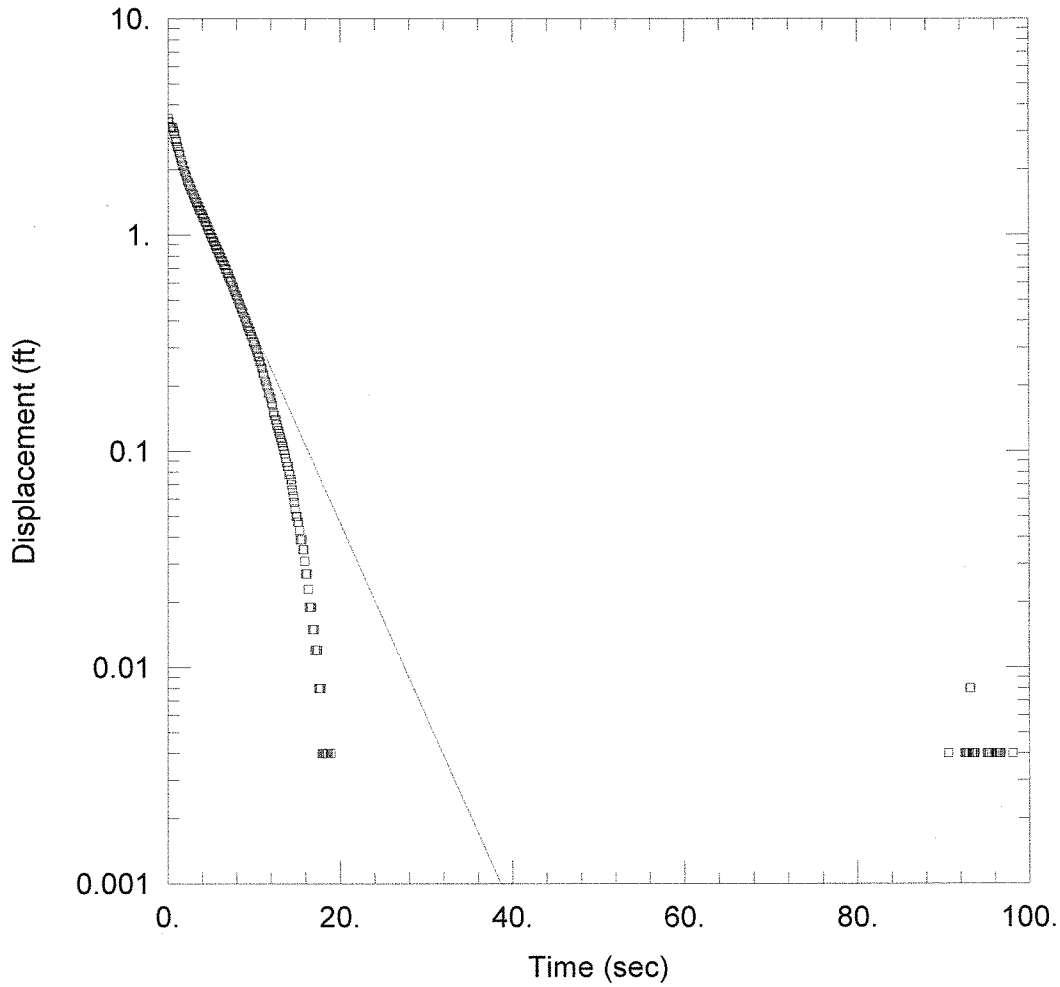
WELL DATA (OP-3)

Initial Displacement: 4.399 ft
Total Well Penetration Depth: 35. ft
Casing Radius: 0.083 ft
Static Water Column Height: 35. ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice

K = 58.24 ft/day
y0 = 7.096 ft



OP-3 RISING

Data Set: C:\...\OP-3 Rise.aqt
Date: 08/05/09 Time: 15:36:45

PROJECT INFORMATION

Company: EA
Client: AEC
Project: 6191717
Location: Fort Buchanan
Test Well: OP-3
Test Date: 1/27/09

AQUIFER DATA

Saturated Thickness: 35. ft
Anisotropy Ratio (Kz/Kr): 0.1

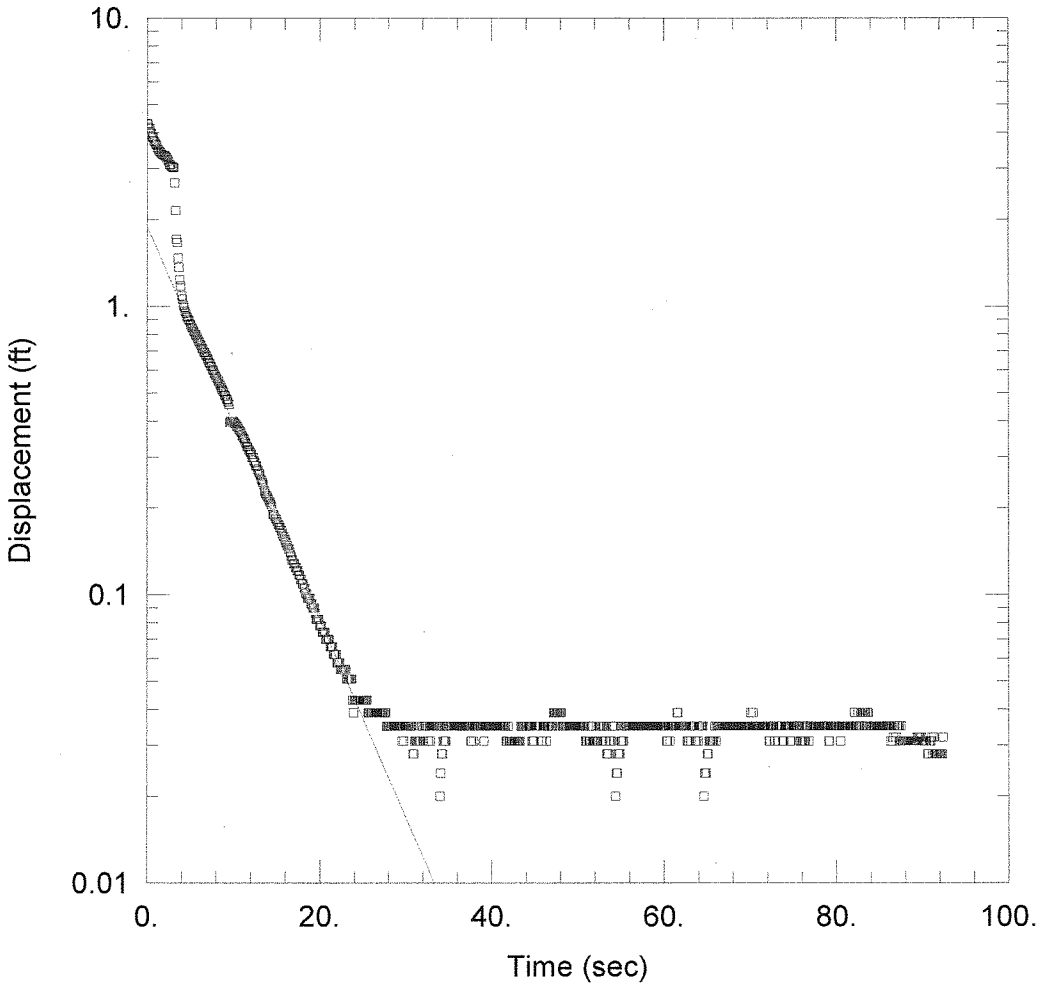
WELL DATA (OP-3)

Initial Displacement: 3.469 ft
Total Well Penetration Depth: 35. ft
Casing Radius: 0.083 ft
Static Water Column Height: 35. ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice

K = 26.32 ft/day
y0 = 2.862 ft



OP-4 FALLING

Data Set: C:\...\OP-4 Fall.aqt
Date: 08/05/09 Time: 15:36:53

PROJECT INFORMATION

Company: EA
Client: AEC
Project: 6191717
Location: Fort Buchanan
Test Well: OP-4
Test Date: 1/27/09

AQUIFER DATA

Saturated Thickness: 25. ft
Anisotropy Ratio (Kz/Kr): 0.1

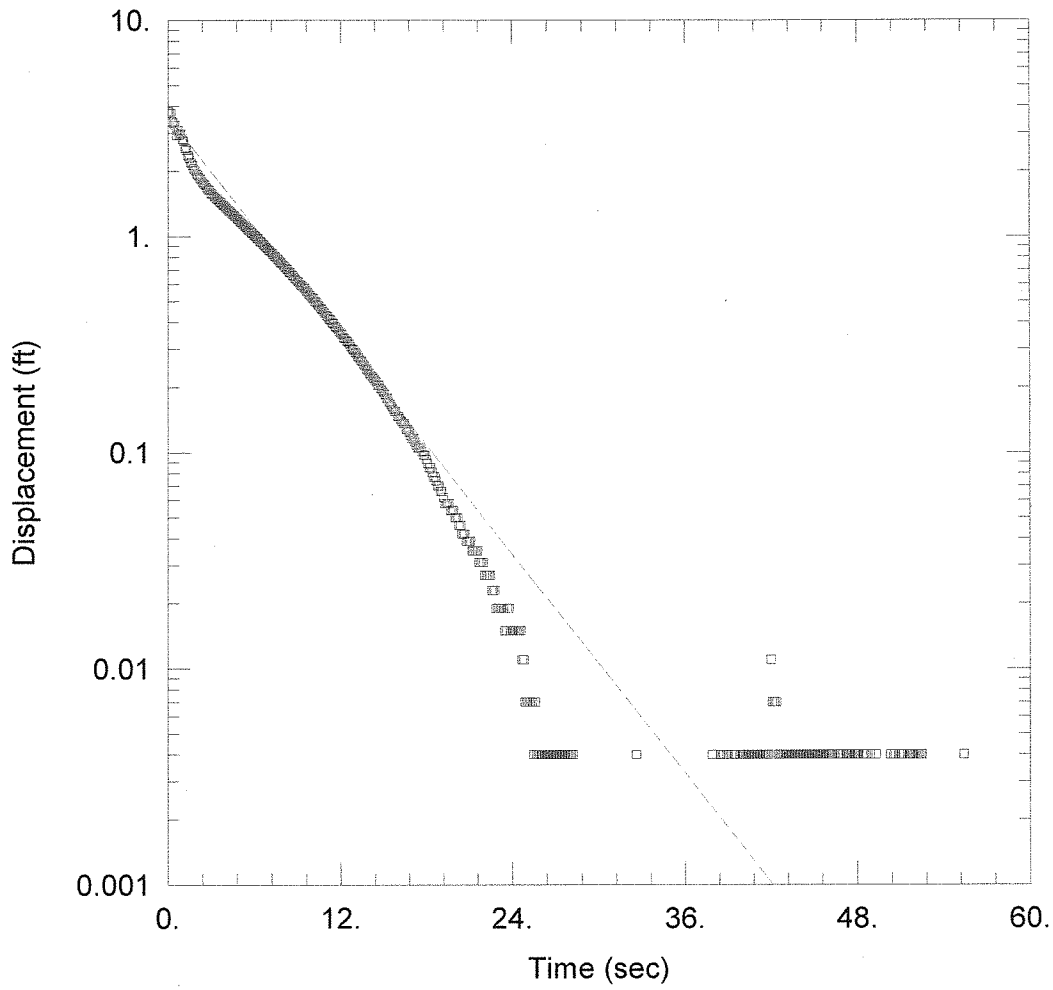
WELL DATA (OP-4)

Initial Displacement: 4.303 ft
Total Well Penetration Depth: 25. ft
Casing Radius: 0.083 ft
Static Water Column Height: 25. ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice

K = 19.12 ft/day
y0 = 1.888 ft



OP-4 RISING

Data Set: C:\...\OP-4 Rise.aqt
Date: 08/05/09 Time: 15:37:02

PROJECT INFORMATION

Company: EA
Client: AEC
Project: 6191717
Location: Fort Buchanan
Test Well: OP-4
Test Date: 1/27/09

AQUIFER DATA

Saturated Thickness: 25. ft
Anisotropy Ratio (Kz/Kr): 0.1

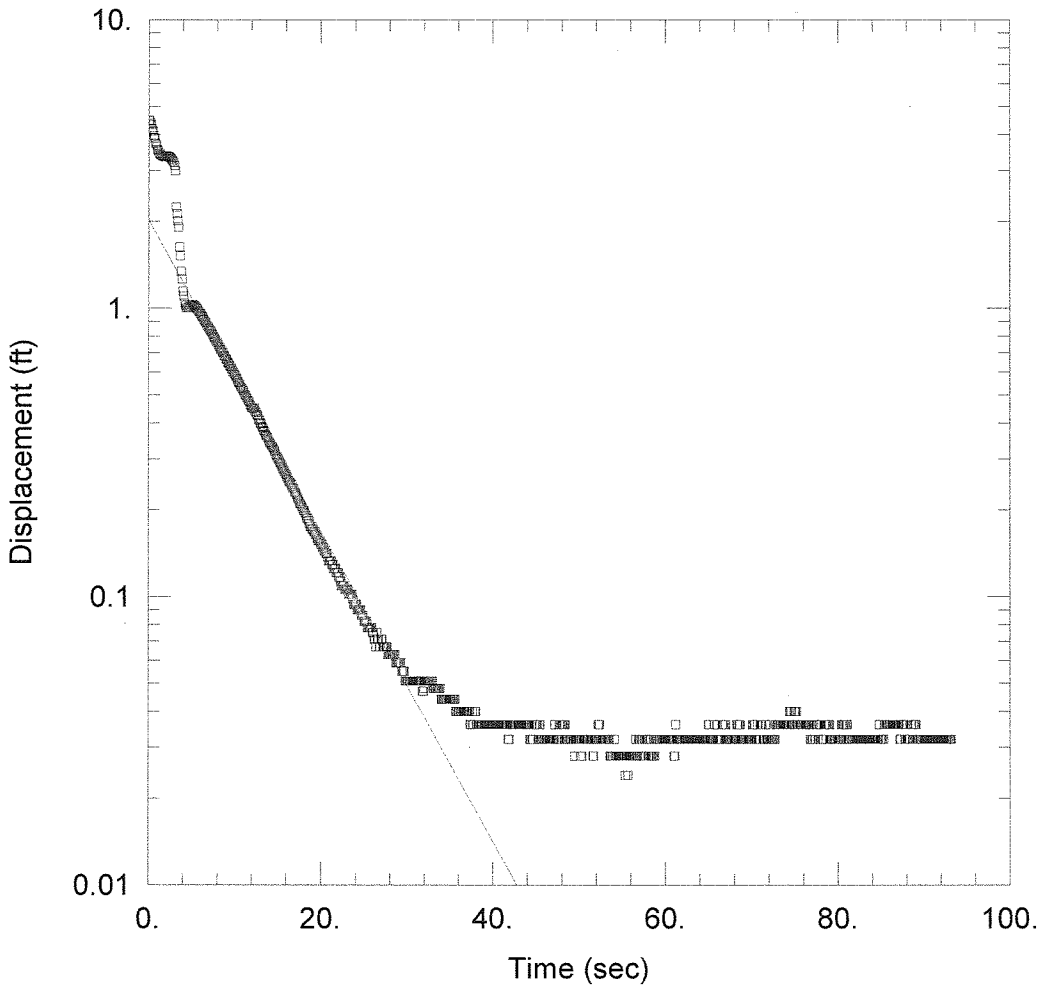
WELL DATA (OP-4)

Initial Displacement: 3.794 ft
Total Well Penetration Depth: 25. ft
Casing Radius: 0.083 ft
Static Water Column Height: 25. ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice

K = 23.63 ft/day
y0 = 3.574 ft



OP-5 FALLING

Data Set: C:\...\OP-5 Fall.aqt
Date: 08/05/09 Time: 15:37:10

PROJECT INFORMATION

Company: EA
Client: AEC
Project: 6191717
Location: Fort Buchanan
Test Well: OP-5
Test Date: 1/27/09

AQUIFER DATA

Saturated Thickness: 27. ft
Anisotropy Ratio (Kz/Kr): 0.1

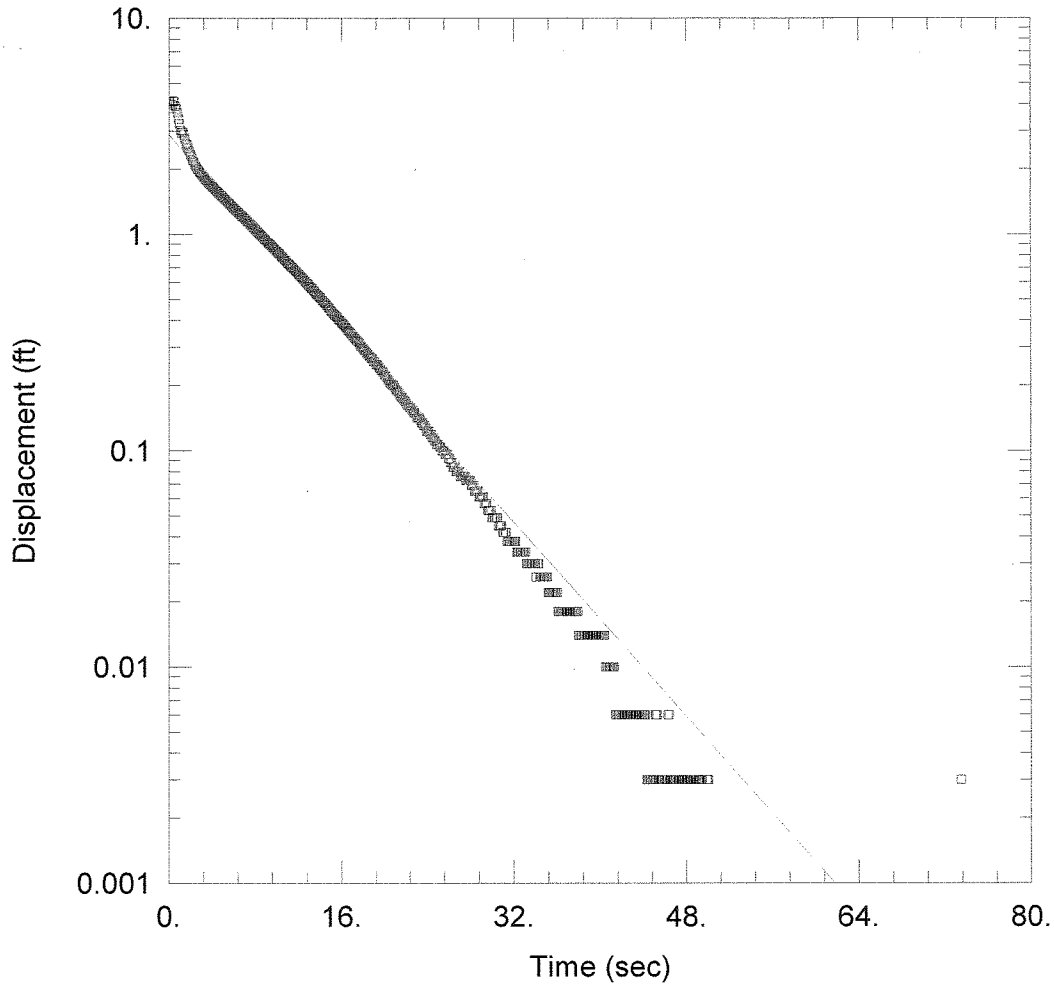
WELL DATA (OP-5)

Initial Displacement: 4.482 ft
Total Well Penetration Depth: 27. ft
Casing Radius: 0.083 ft
Static Water Column Height: 27. ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice

K = 15.26 ft/day
y0 = 2.017 ft



OP-5 RISING

Data Set: C:\...\OP-5 Rise.aqt
Date: 08/05/09 Time: 15:37:20

PROJECT INFORMATION

Company: EA
Client: AEC
Project: 6191717
Location: Fort Buchanan
Test Well: OP-5
Test Date: 1/27/09

AQUIFER DATA

Saturated Thickness: 27. ft
Anisotropy Ratio (Kz/Kr): 0.1

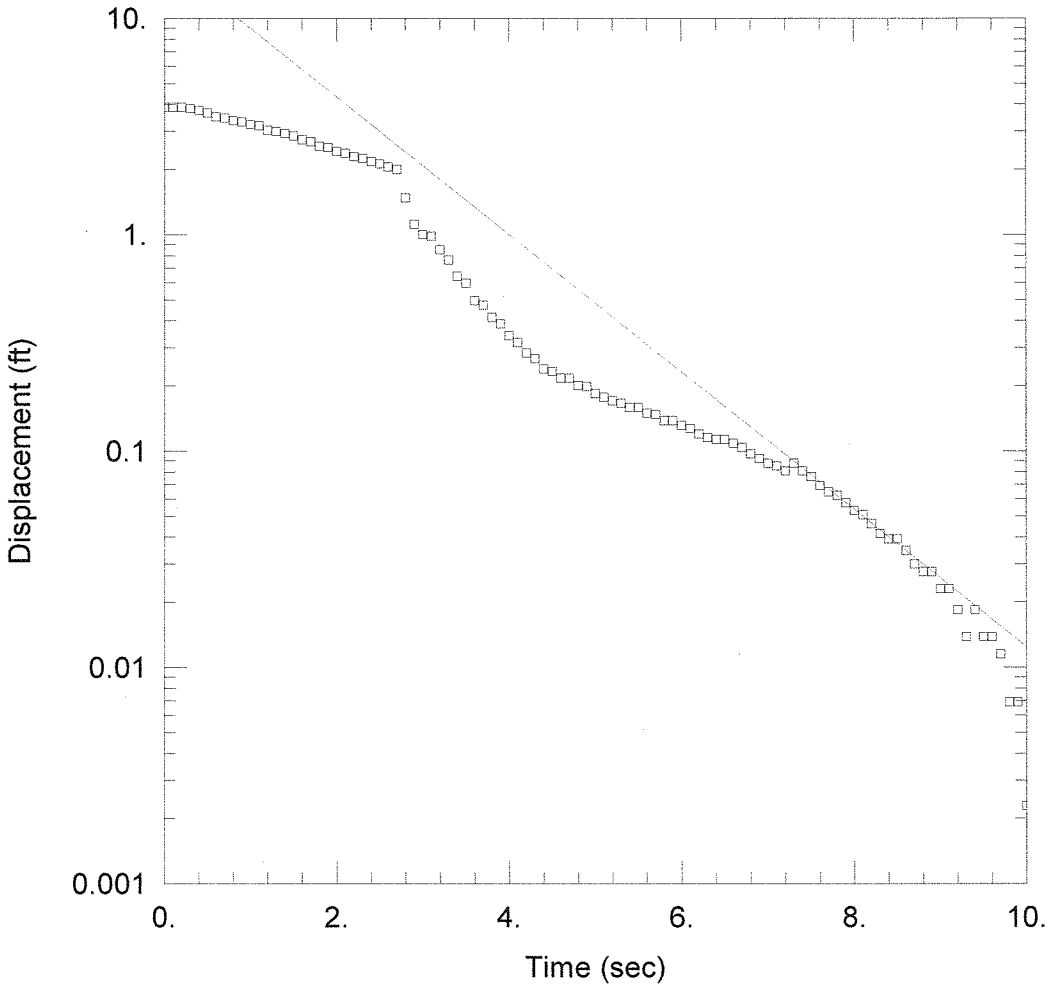
WELL DATA (OP-5)

Initial Displacement: 4.1 ft
Total Well Penetration Depth: 27. ft
Casing Radius: 0.083 ft
Static Water Column Height: 27. ft
Screen Length: 10. ft
Well Radius: 0.33 ft
Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice

K = 15.86 ft/day
y0 = 2.882 ft



OP-6 FALLING

Data Set: \...\OP-6 Fall.aqt
Date: 08/05/09 Time: 15:32:16

PROJECT INFORMATION

Company: EA
Client: AEC
Project: 6191735
Test Location: Off Post Buchanan
Test Well: OP-6
Test Date: 2/24/09

AQUIFER DATA

Saturated Thickness: 30. ft
Anisotropy Ratio (Kz/Kr): 0.1

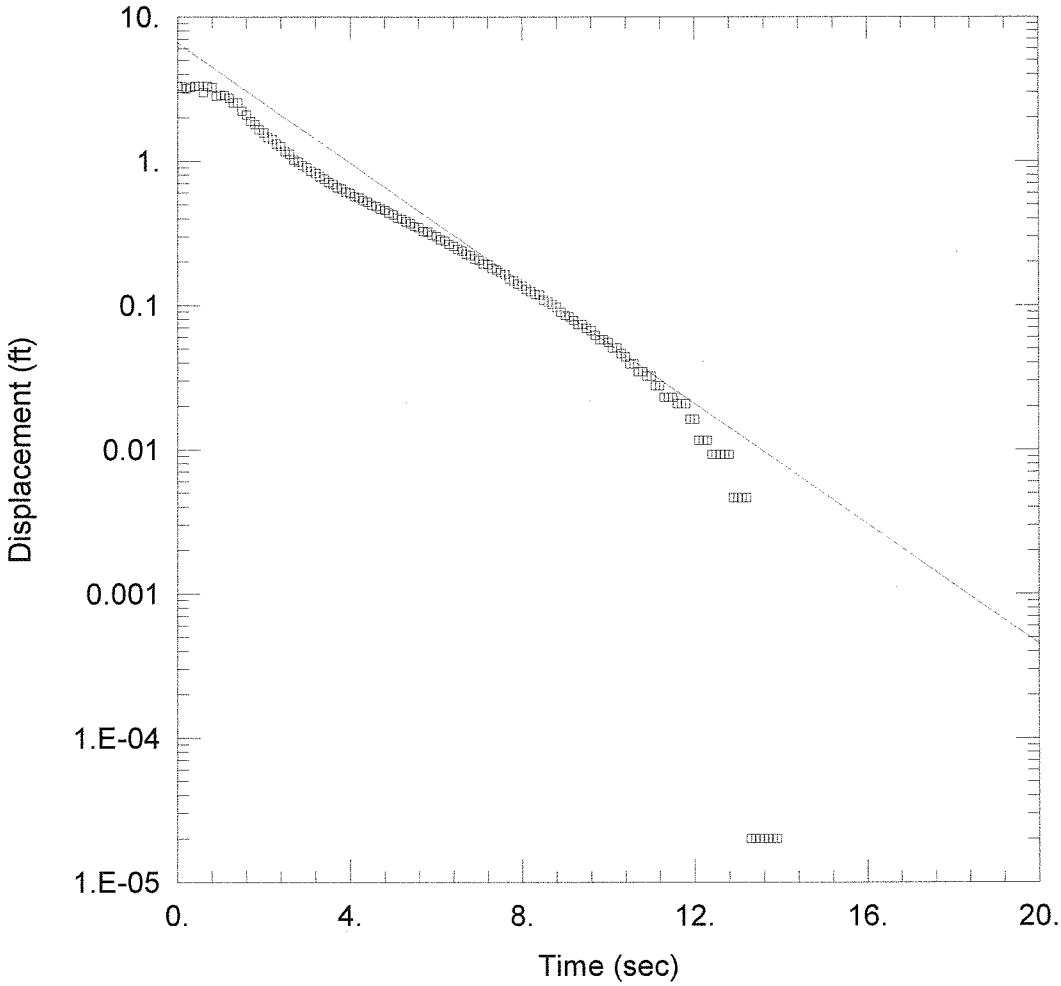
WELL DATA (OP-6)

Initial Displacement: 3.883 ft
Casing Radius: 0.083 ft
Screen Length: 10. ft
Water Column Height: 30. ft
Wellbore Radius: 0.33 ft
Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice

K = 497.5 ft/day
y0 = 18.68 ft



OP-6 RISING

Data Set: \...\OP-6 Rise.aqt
Date: 08/05/09 Time: 15:32:25

PROJECT INFORMATION

Company: EA
Client: AEC
Project: 6191735
Test Location: Offpost Buchanan
Test Well: OP-6
Test Date: 2/24/09

AQUIFER DATA

Saturated Thickness: 30. ft Anisotropy Ratio (Kz/Kr): 0.1

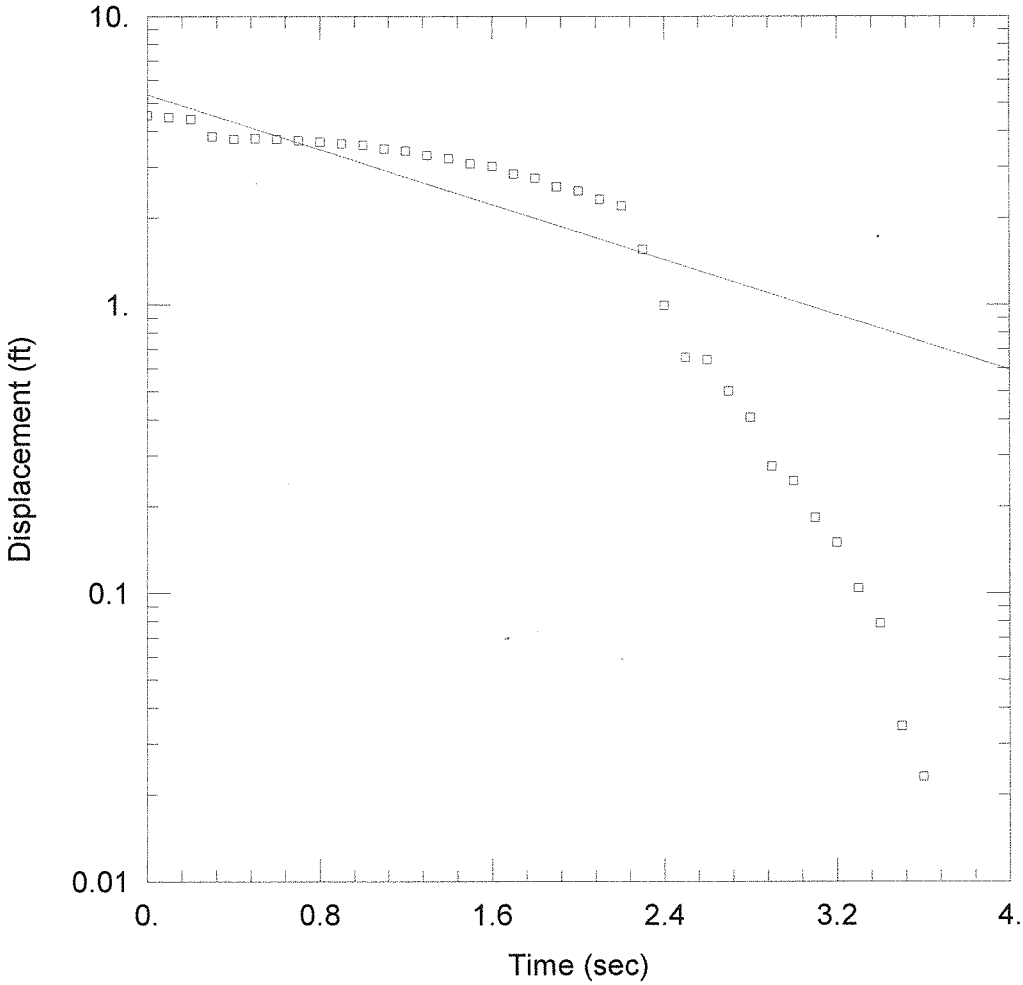
WELL DATA (OP-6)

Initial Displacement: 3.315 ft Water Column Height: 30. ft
Casing Radius: 0.083 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 326.1 ft/day y0 = 6.578 ft



OP-7 FALLING

Data Set: \...\OP-7 Fall.aqt
Date: 08/05/09 Time: 15:32:32

PROJECT INFORMATION

Company: EA
Client: AEC
Project: 6191735
Test Location: Offpost Buchanan
Test Well: OP-7
Test Date: 2/23/09

AQUIFER DATA

Saturated Thickness: 30. ft Anisotropy Ratio (Kz/Kr): 0.1

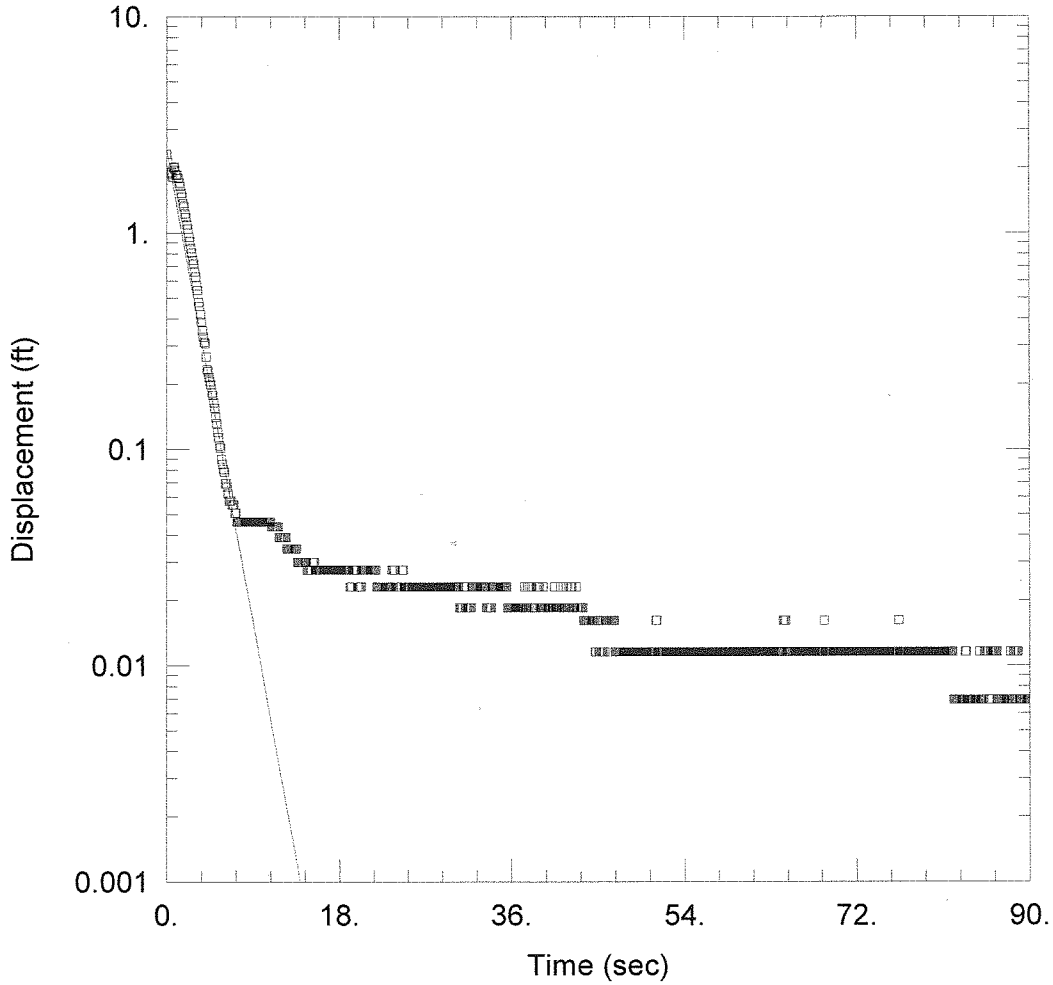
WELL DATA (OP-7)

Initial Displacement: 4.521 ft Water Column Height: 30. ft
Casing Radius: 0.083 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 373.1 ft/day y0 = 5.343 ft



OP-7 RISING

Data Set: \...\OP-7 Rise.aqt
Date: 08/05/09 Time: 15:32:40

PROJECT INFORMATION

Company: EA
Client: AEC
Project: 6191735
Test Location: Offpost Buchanan
Test Well: OP-7
Test Date: 2/23/09

AQUIFER DATA

Saturated Thickness: 30. ft Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA (OP-7)

Initial Displacement: 2.308 ft Water Column Height: 30. ft
Casing Radius: 0.083 ft Wellbore Radius: 0.33 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.3

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 382.2 ft/day y0 = 2.441 ft