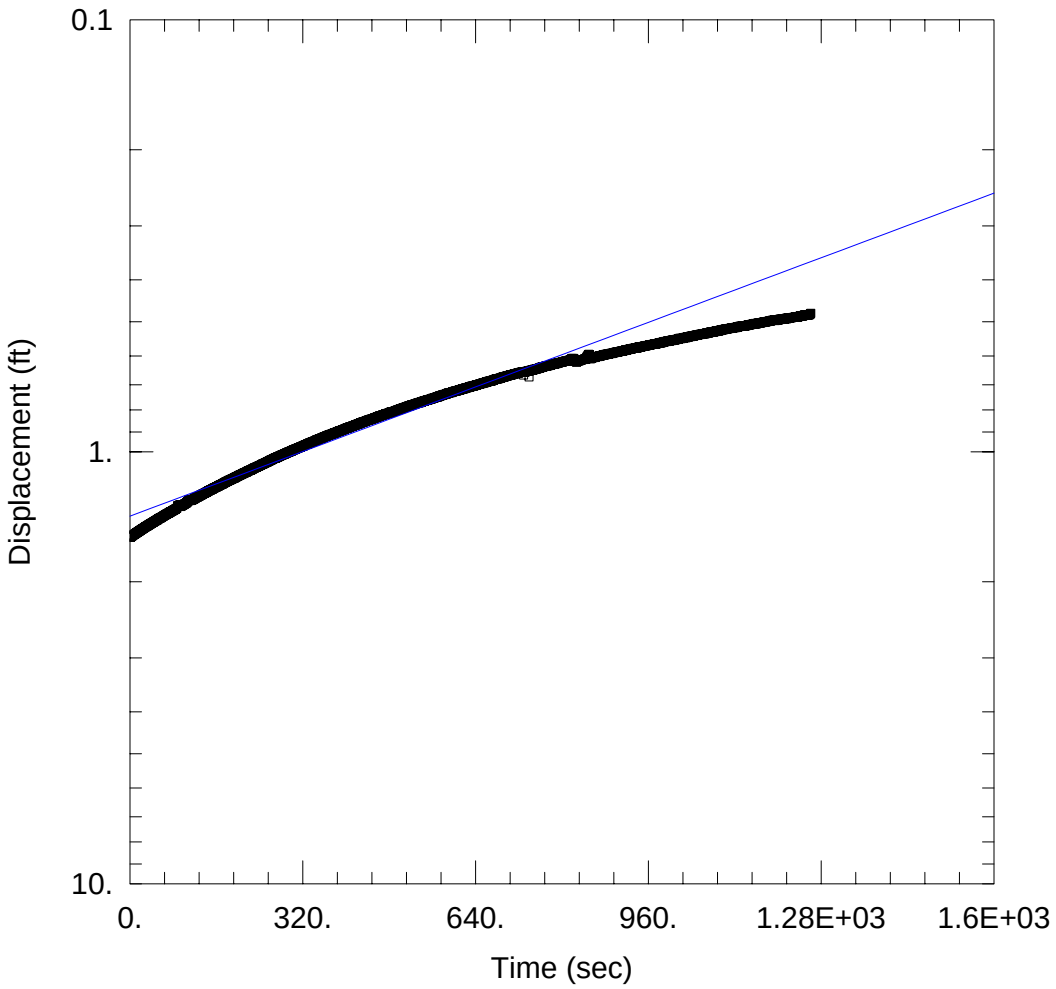
APPENDIX F

Aqtesolv Hydraulic Conductivity Data



WELL TEST ANALYSIS

Data Set: \...\1Da.aqt
Date: 03/08/10 Time: 09:40:08

PROJECT INFORMATION

Company: AMEC Geomatrix
Client: RG&E
Project: 12661.004
Test Location: West Station
Test Well: GMX-MW-1Da
Test Date: December 2009

AQUIFER DATA

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

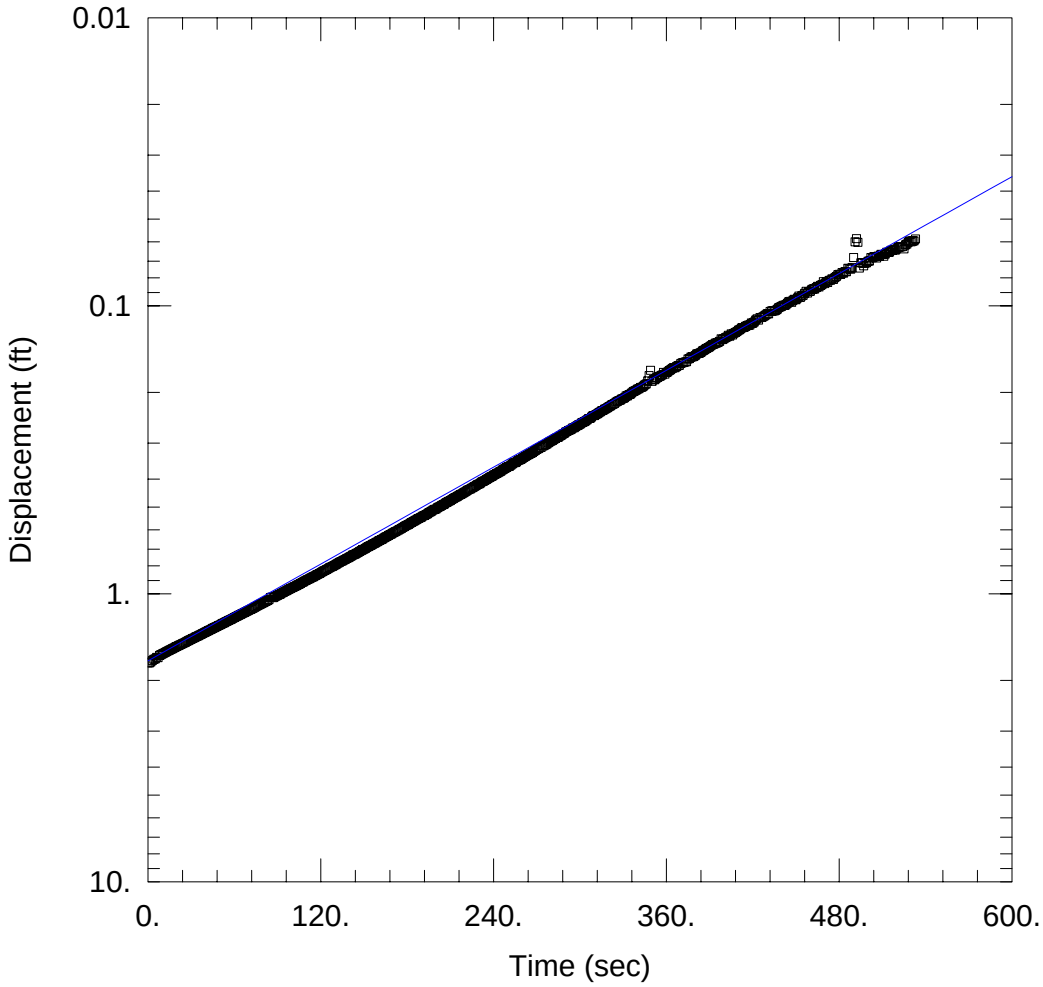
WELL DATA (GMX-MW-1Da)

Initial Displacement: 1.578 ft Water Column Height: 6.89 ft
Casing Radius: 0.0833 ft Wellbore Radius: 0.5 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.1

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 9.187E-05 cm/sec y0 = 1.409 ft



WELL TEST ANALYSIS

Data Set: \...\1Db.aqt
Date: 03/08/10 Time: 09:39:35

PROJECT INFORMATION

Company: AMEC Geomatrix
Client: RG&E
Project: 12661.004
Test Location: West Station
Test Well: GMX-MW-1Db
Test Date: December 2009

AQUIFER DATA

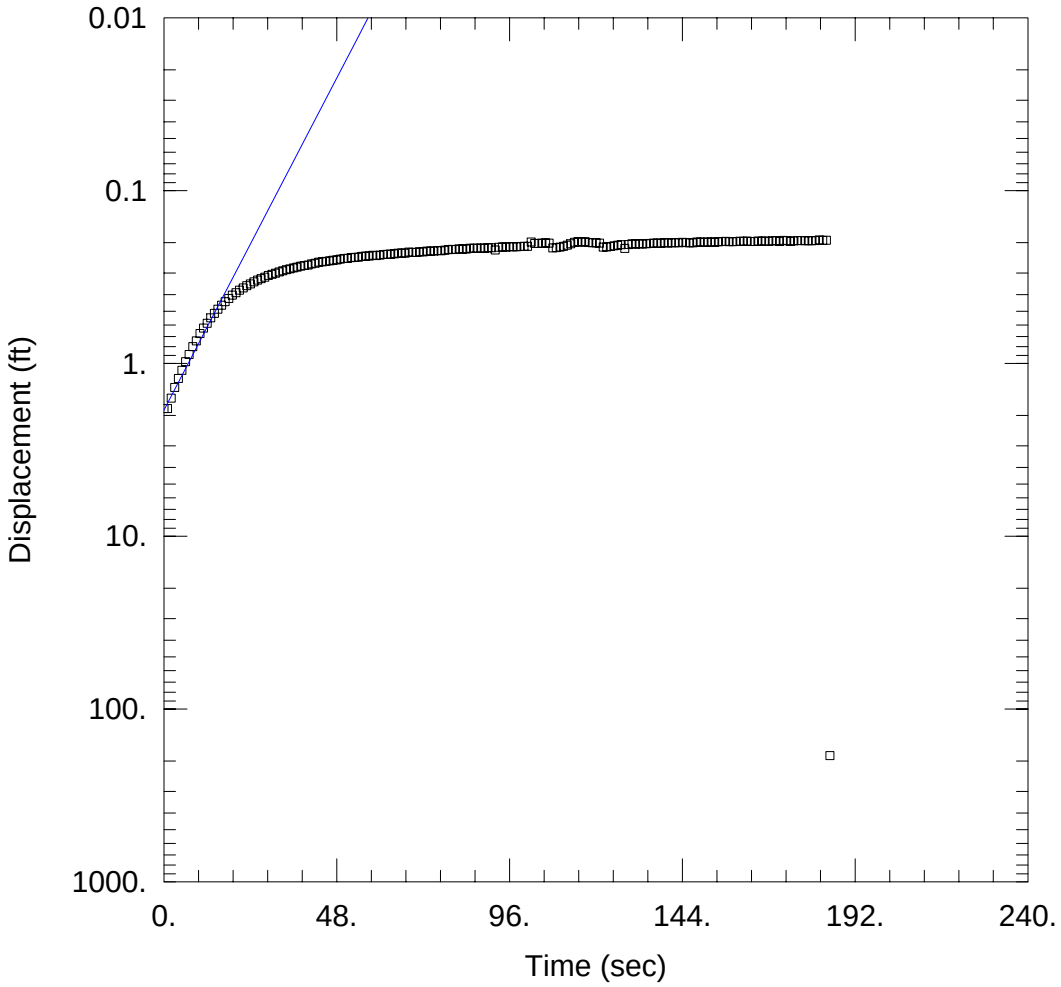
Saturated Thickness: 10. ft Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA (GMX-MW-1Db)

Initial Displacement: 1.738 ft Water Column Height: 41.04 ft
Casing Radius: 0.0833 ft Wellbore Radius: 0.5 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.1

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice
K = 0.0009237 cm/sec y0 = 1.71 ft



WELL TEST ANALYSIS

Data Set: \...\1Dc.aqt
Date: 03/08/10 Time: 09:39:02

PROJECT INFORMATION

Company: AMEC Geomatrix
Client: RG&E
Project: 12661.004
Test Location: West Station
Test Well: GMX-MW-1Dc
Test Date: December 2009

AQUIFER DATA

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

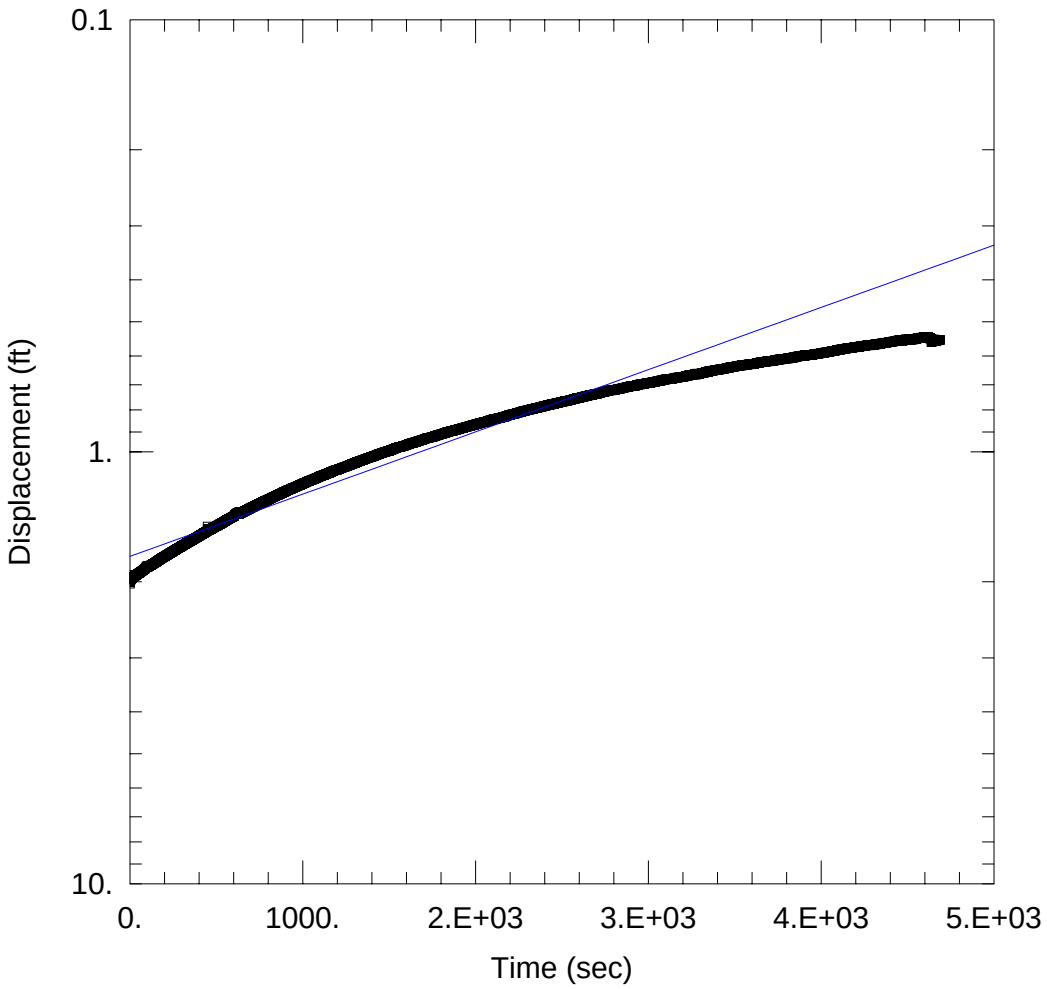
WELL DATA (GMX-MW-1Dc)

Initial Displacement: 1.828 ft Water Column Height: 61.37 ft
Casing Radius: 0.0833 ft Wellbore Radius: 0.5 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.1

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 0.01408 cm/sec y0 = 1.862 ft



WELL TEST ANALYSIS

Data Set: \...\1Dd.aqt
Date: 03/08/10 Time: 09:38:07

PROJECT INFORMATION

Company: AMEC Geomatrix
Client: RG&E
Project: 12661.004
Test Location: West Station
Test Well: GMX-MW-1Dd
Test Date: December 2009

AQUIFER DATA

Saturated Thickness: 5. ft Anisotropy Ratio (Kz/Kr): 0.1

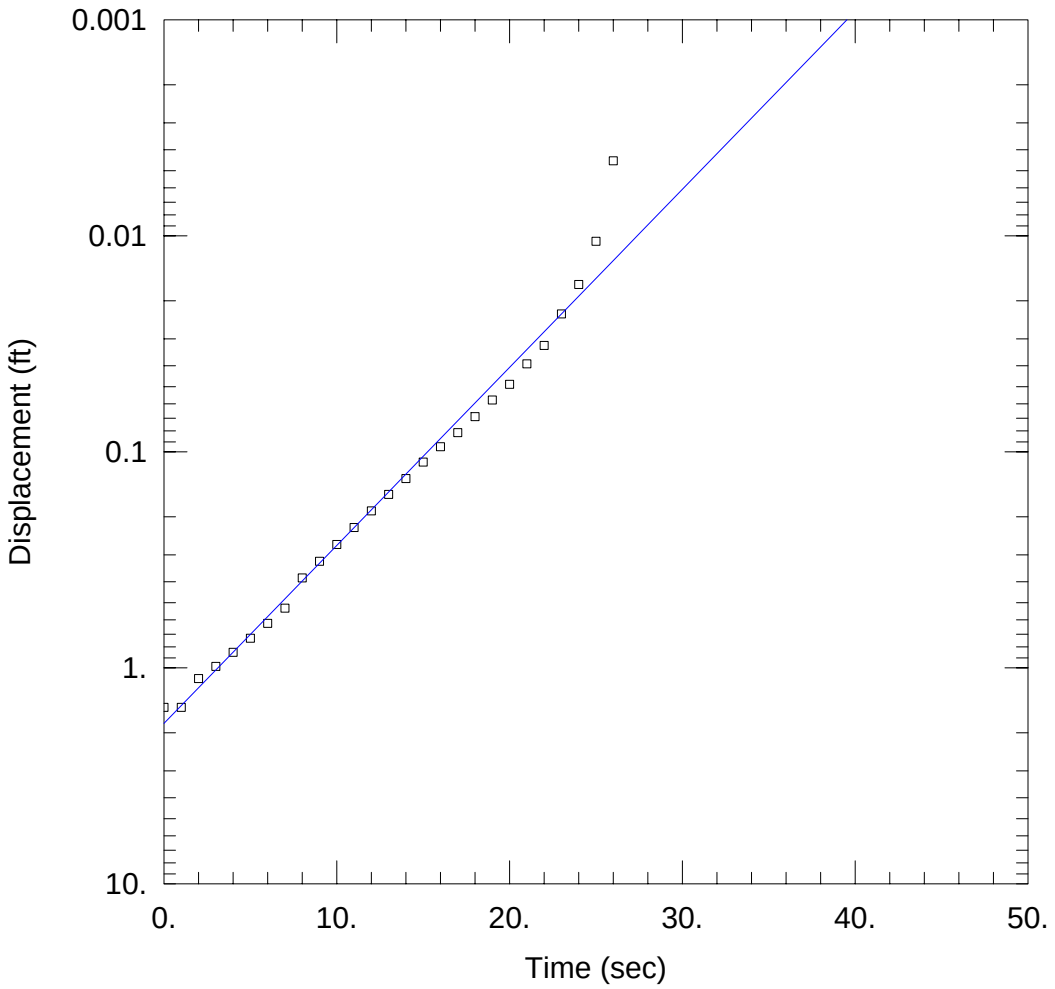
WELL DATA (GMX-MW-1Dd)

Initial Displacement: 1.924 ft Water Column Height: 72.1 ft
Casing Radius: 0.0833 ft Wellbore Radius: 0.5 ft
Screen Length: 5. ft Gravel Pack Porosity: 0.1

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 9.039E-05 cm/sec y0 = 1.747 ft



WELL TEST ANALYSIS

Data Set: \...\1S.aqt
Date: 03/08/10 Time: 09:37:07

PROJECT INFORMATION

Company: AMEC Geomatrix
Client: RG&E
Project: 12661.004
Test Location: West Station
Test Well: GMX-MW-1S
Test Date: December 2009

AQUIFER DATA

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

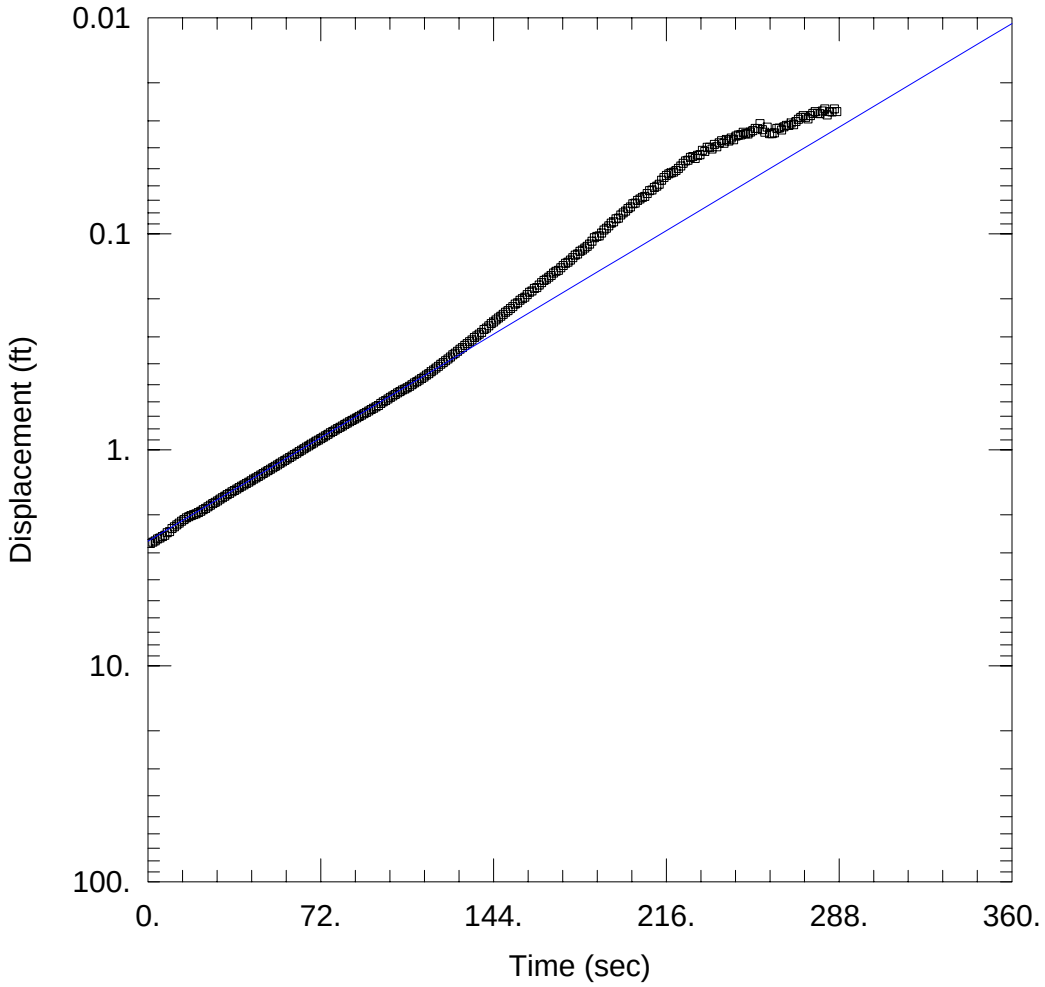
WELL DATA (GMX-MW-1S)

Initial Displacement: 1.526 ft Water Column Height: 6.73 ft
Casing Radius: 0.0833 ft Wellbore Radius: 0.3437 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.1

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 0.01081 cm/sec y0 = 1.81 ft



WELL TEST ANALYSIS

Data Set: \...\2D.aqt
Date: 03/08/10 Time: 09:36:33

PROJECT INFORMATION

Company: AMEC Geomatrix
Client: RG&E
Project: 12661.004
Test Location: West Station
Test Well: GMX-MW-2D
Test Date: December 2009

AQUIFER DATA

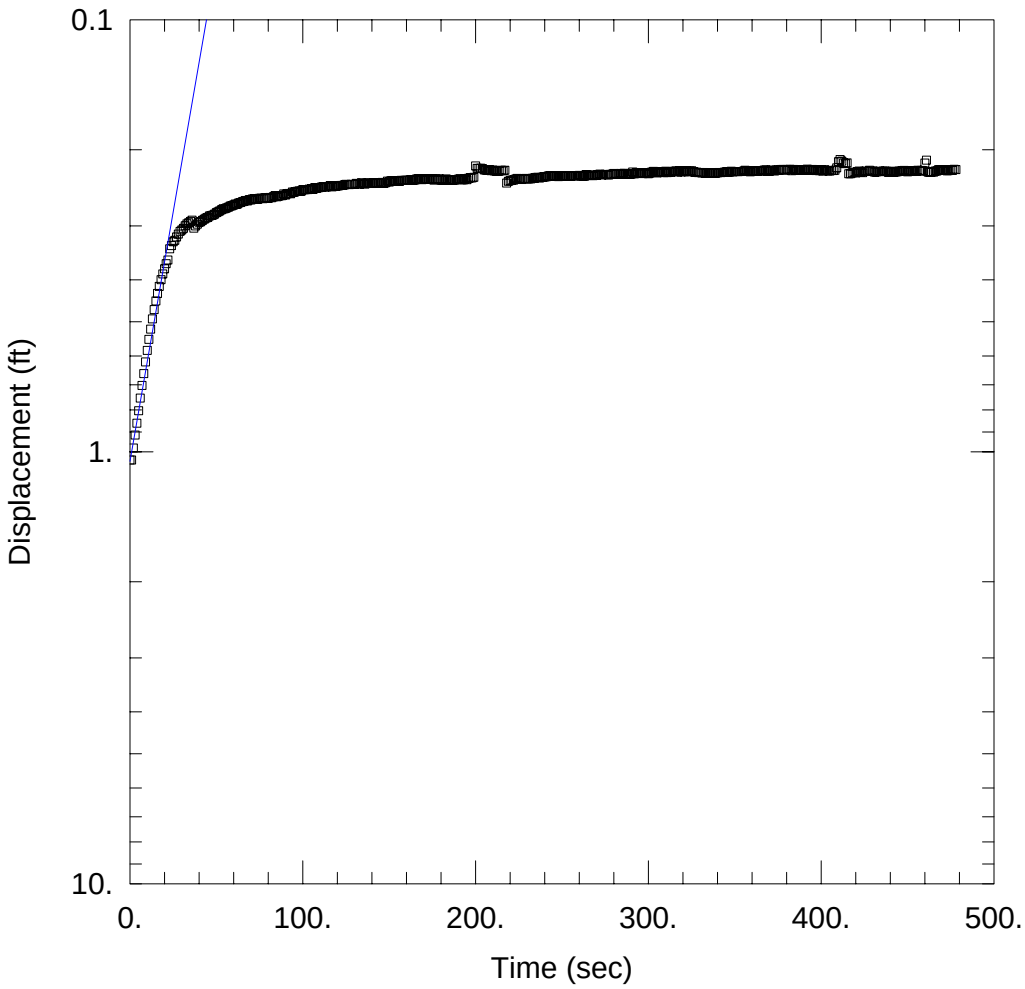
Saturated Thickness: 15. ft Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA (GMX-MW-2D)

Initial Displacement: 2.716 ft Water Column Height: 17.13 ft
Casing Radius: 0.1667 ft Wellbore Radius: 0.1667 ft
Screen Length: 15. ft Gravel Pack Porosity: 1.

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice
K = 0.001535 cm/sec y0 = 2.651 ft



WELL TEST ANALYSIS

Data Set: \...\2S.aqt
Date: 03/08/10 Time: 09:35:57

PROJECT INFORMATION

Company: AMEC Geomatrix
Client: RG&E
Project: 12661.004
Test Location: West Station
Test Well: GMX-MW-2S
Test Date: December 2009

AQUIFER DATA

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

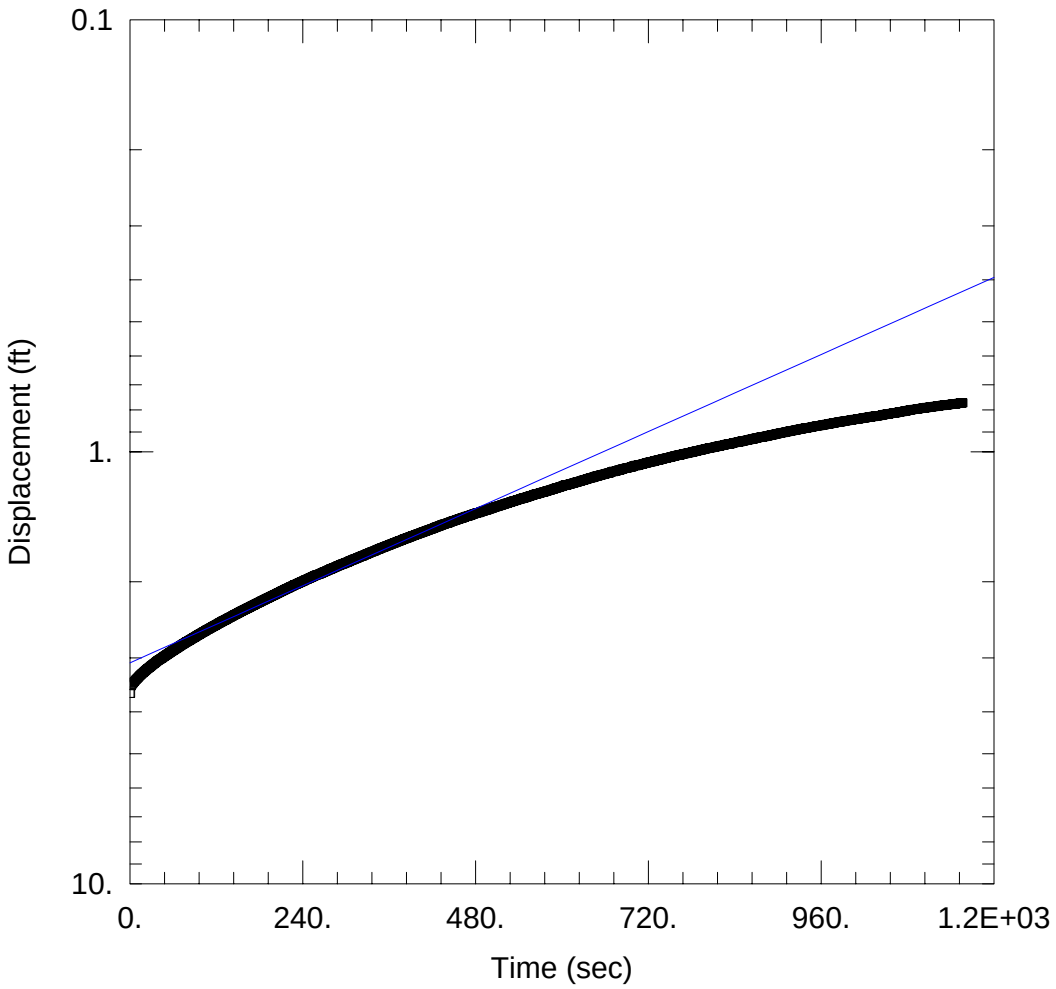
WELL DATA (GMX-MW-2S)

Initial Displacement: 1.045 ft Water Column Height: 1.2 ft
Casing Radius: 0.0833 ft Wellbore Radius: 0.3437 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.1

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 0.001453 cm/sec y0 = 1.052 ft



WELL TEST ANALYSIS

Data Set: \...\3D.aqt
Date: 03/08/10 Time: 09:35:24

PROJECT INFORMATION

Company: AMEC Geomatrix
Client: RG&E
Project: 12661.004
Test Location: West Station
Test Well: GMX-MW-3D
Test Date: December 2009

AQUIFER DATA

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

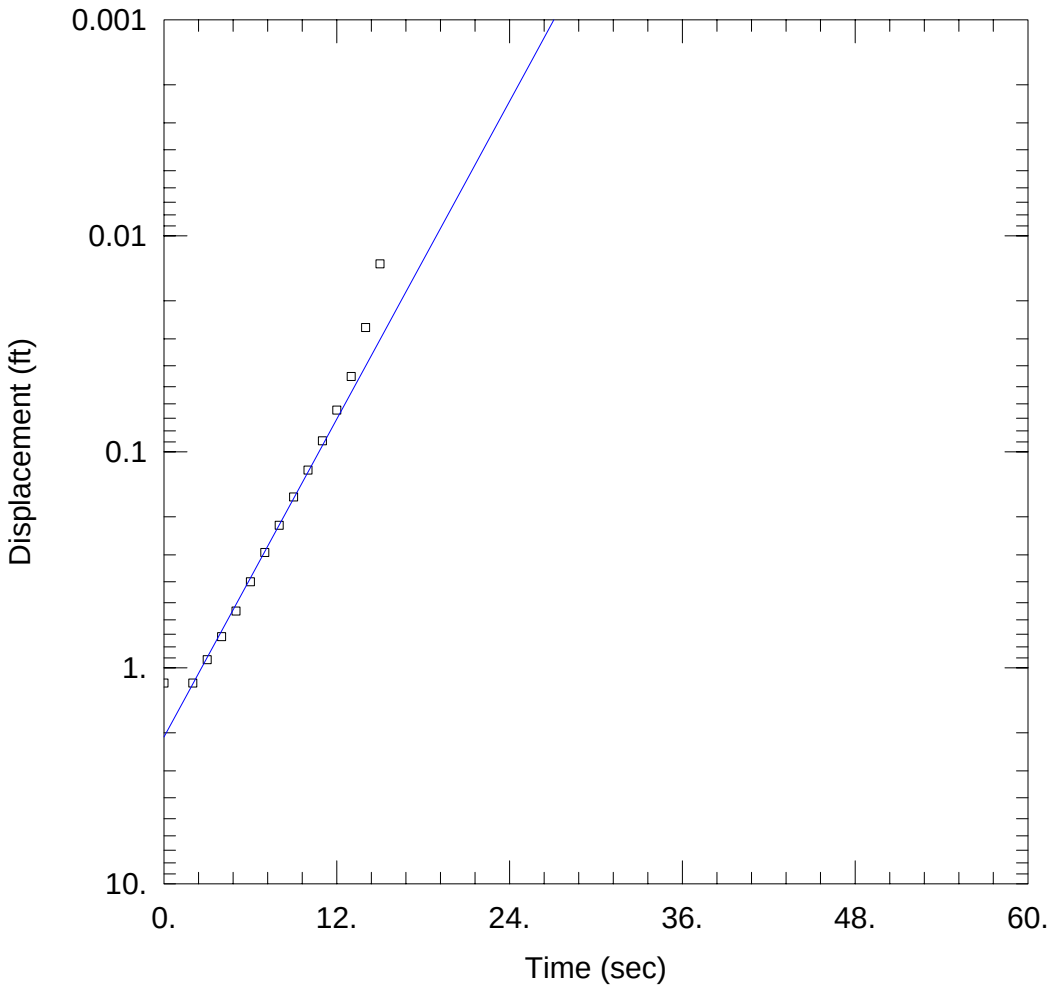
WELL DATA (GMX-MW-3D)

Initial Displacement: 3.626 ft Water Column Height: 28.32 ft
Casing Radius: 0.1667 ft Wellbore Radius: 0.1667 ft
Screen Length: 15. ft Gravel Pack Porosity: 1.

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 0.0001868 cm/sec y0 = 3.08 ft



WELL TEST ANALYSIS

Data Set: \...\3S.aqt
Date: 03/08/10 Time: 09:34:42

PROJECT INFORMATION

Company: AMEC Geomatrix
Client: RG&E
Project: 12661.004
Test Location: West Station
Test Well: GMX-MW-3S
Test Date: December 2009

AQUIFER DATA

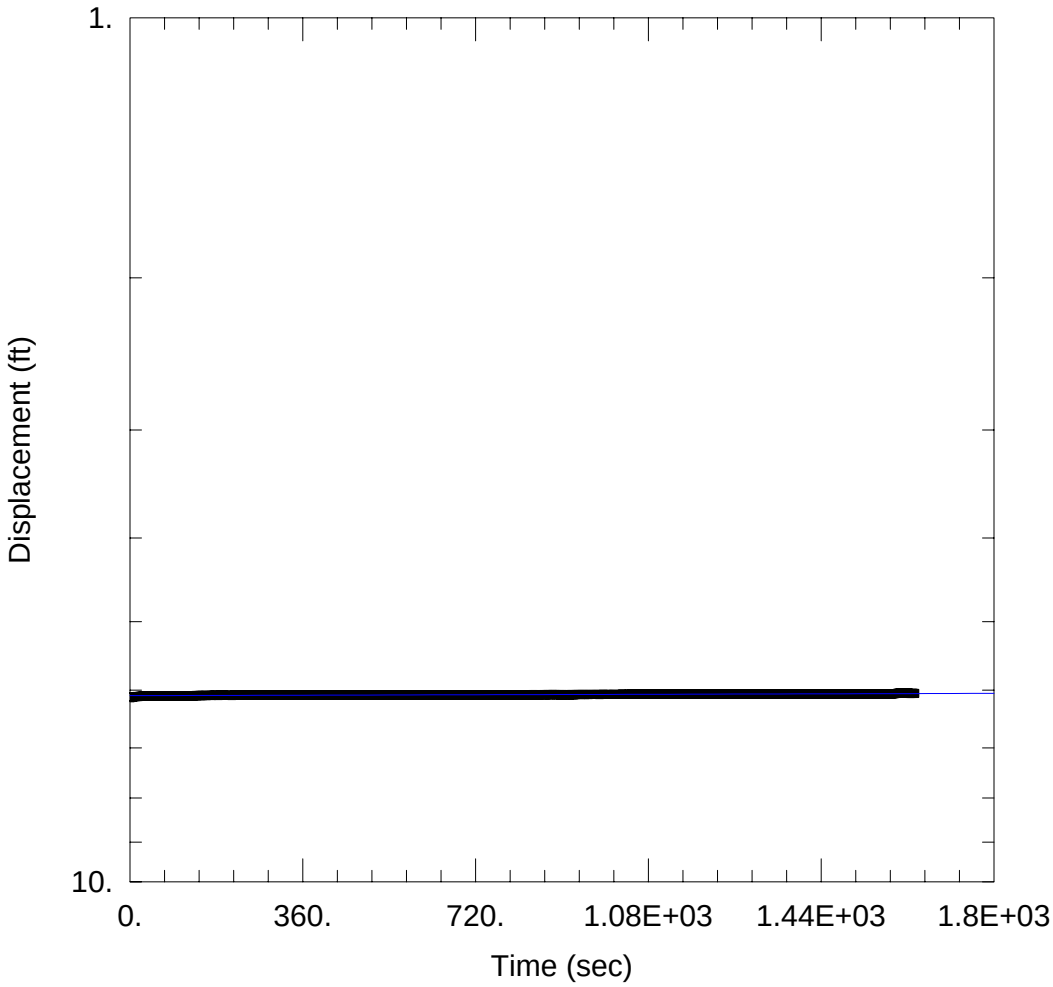
Saturated Thickness: 10. ft Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA (GMX-MW-3S)

Initial Displacement: 1.176 ft Water Column Height: 9.78 ft
Casing Radius: 0.0833 ft Wellbore Radius: 0.3437 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.1

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.01916 cm/sec y0 = 2.091 ft



WELL TEST ANALYSIS

Data Set: \...\4d.aqt
Date: 01/07/10 Time: 12:43:03

PROJECT INFORMATION

Company: AMEC Geomatrix
Client: RG&E
Project: 12661.004
Test Location: West Station
Test Well: GMX-MW-4D
Test Date: December 2009

AQUIFER DATA

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

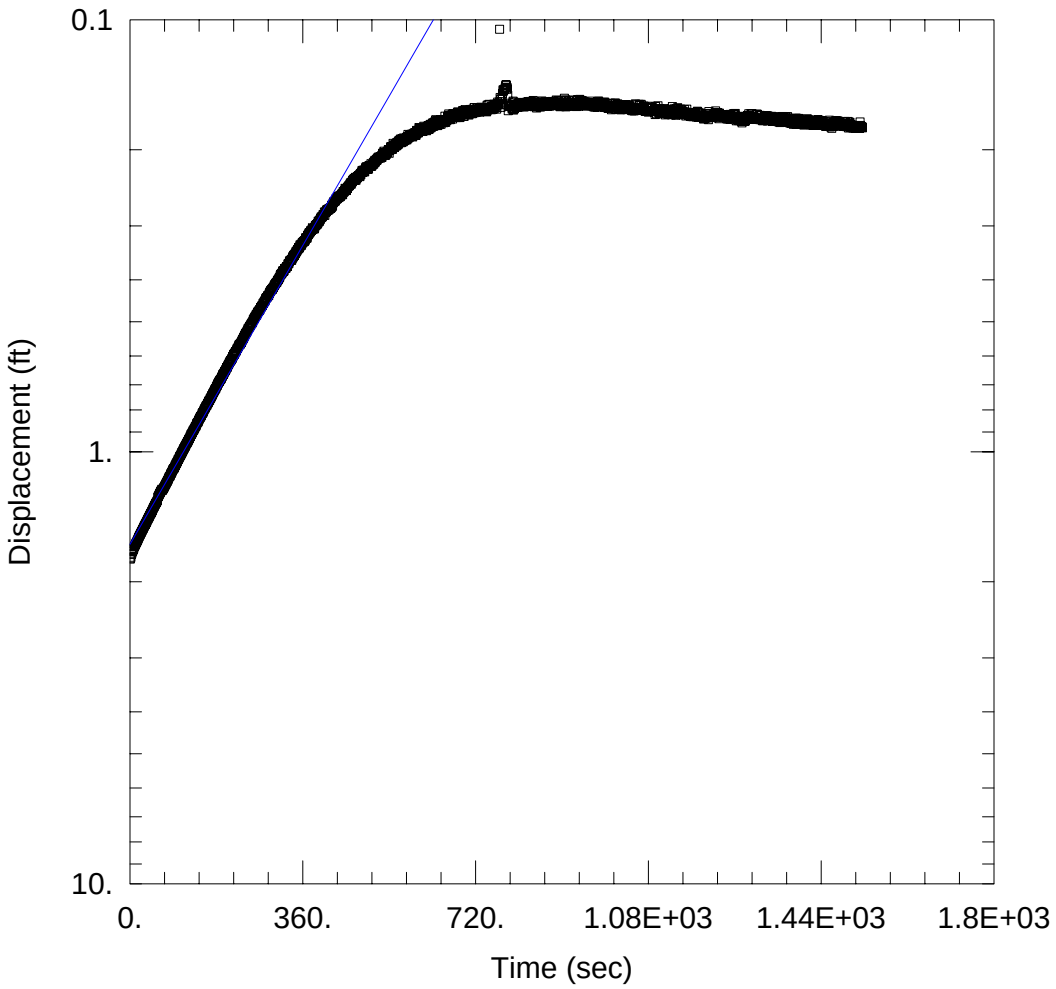
WELL DATA (GMX-MW-4D)

Initial Displacement: 6.124 ft Water Column Height: 22.8 ft
Casing Radius: 0.33 ft Wellbore Radius: 0.33 ft
Screen Length: 15. ft Gravel Pack Porosity: 1.

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 1.193E-06 cm/sec y0 = 6.09 ft



WELL TEST ANALYSIS

Data Set: \...\4I.aqt
Date: 03/08/10 Time: 09:33:55

PROJECT INFORMATION

Company: AMEC Geomatrix
Client: RG&E
Project: 12661.004
Test Location: West Station
Test Well: GMX-MW-4I
Test Date: December 2009

AQUIFER DATA

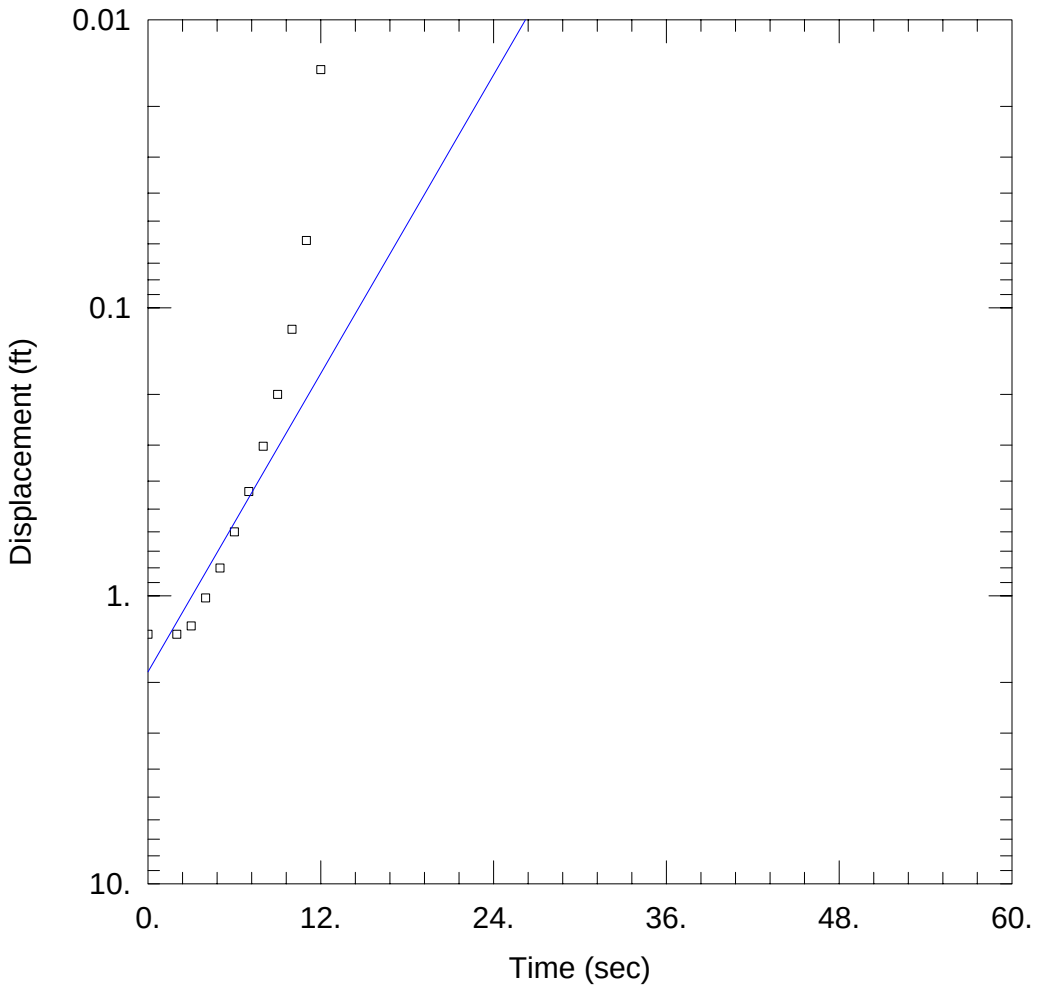
Saturated Thickness: 10. ft
Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA (GMX-MW-4I)

Initial Displacement: 1.77 ft
Water Column Height: 37. ft
Casing Radius: 0.0833 ft
Wellbore Radius: 0.3437 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.1

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 0.0004034 cm/sec
y0 = 1.637 ft



WELL TEST ANALYSIS

Data Set: \...\4S.aqt
Date: 03/08/10 Time: 09:32:56

PROJECT INFORMATION

Company: AMEC Geomatrix
Client: RG&E
Project: 12661.004
Test Location: West Station
Test Well: GMX-MW-4S
Test Date: December 2009

AQUIFER DATA

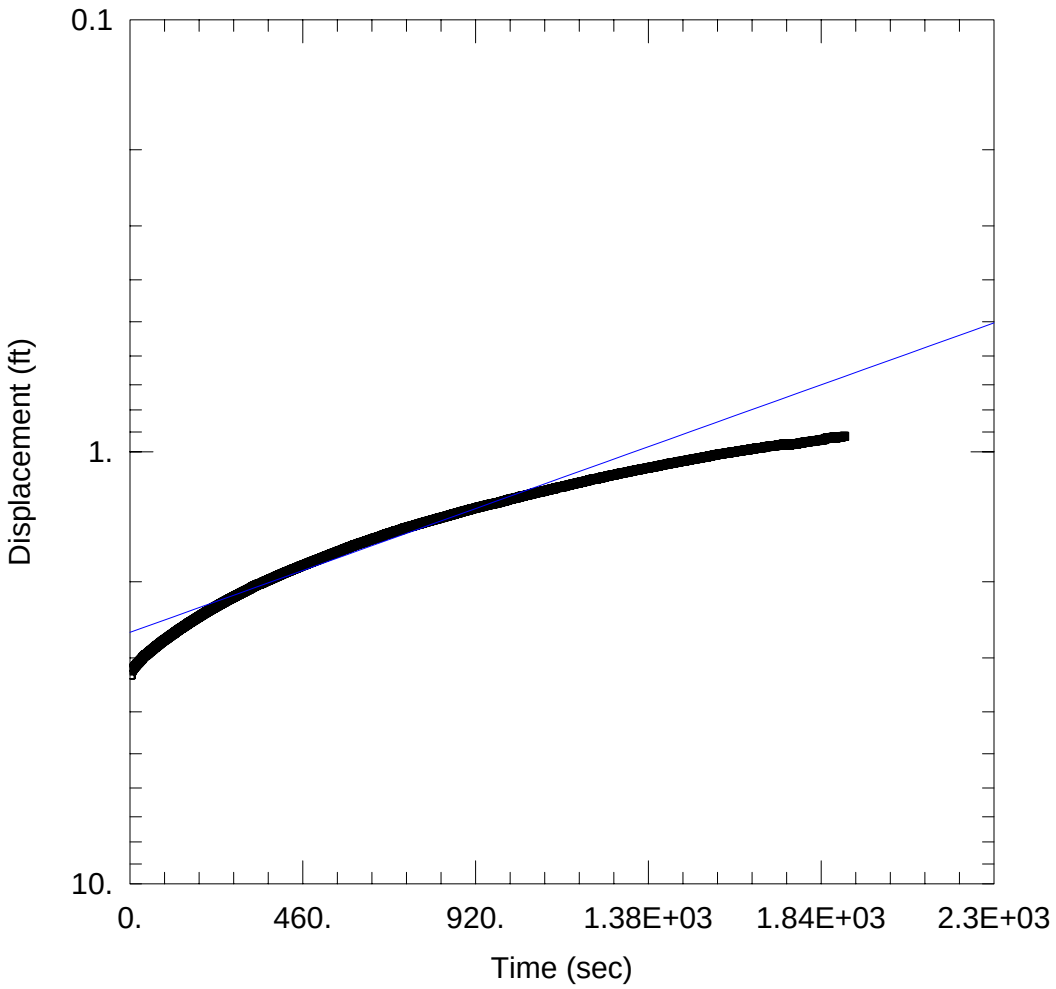
Saturated Thickness: 10. ft Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA (GMX-MW-4S)

Initial Displacement: 1.359 ft Water Column Height: 4.6 ft
Casing Radius: 0.0833 ft Wellbore Radius: 0.3437 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.1

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.01006 cm/sec y0 = 1.838 ft



WELL TEST ANALYSIS

Data Set: \...\5D.aqt
Date: 03/08/10 Time: 09:32:07

PROJECT INFORMATION

Company: AMEC Geomatrix
Client: RG&E
Project: 12661.004
Test Location: West Station
Test Well: GMX-MW-5D
Test Date: December 2009

AQUIFER DATA

Saturated Thickness: 15.5 ft Anisotropy Ratio (Kz/Kr): 0.1

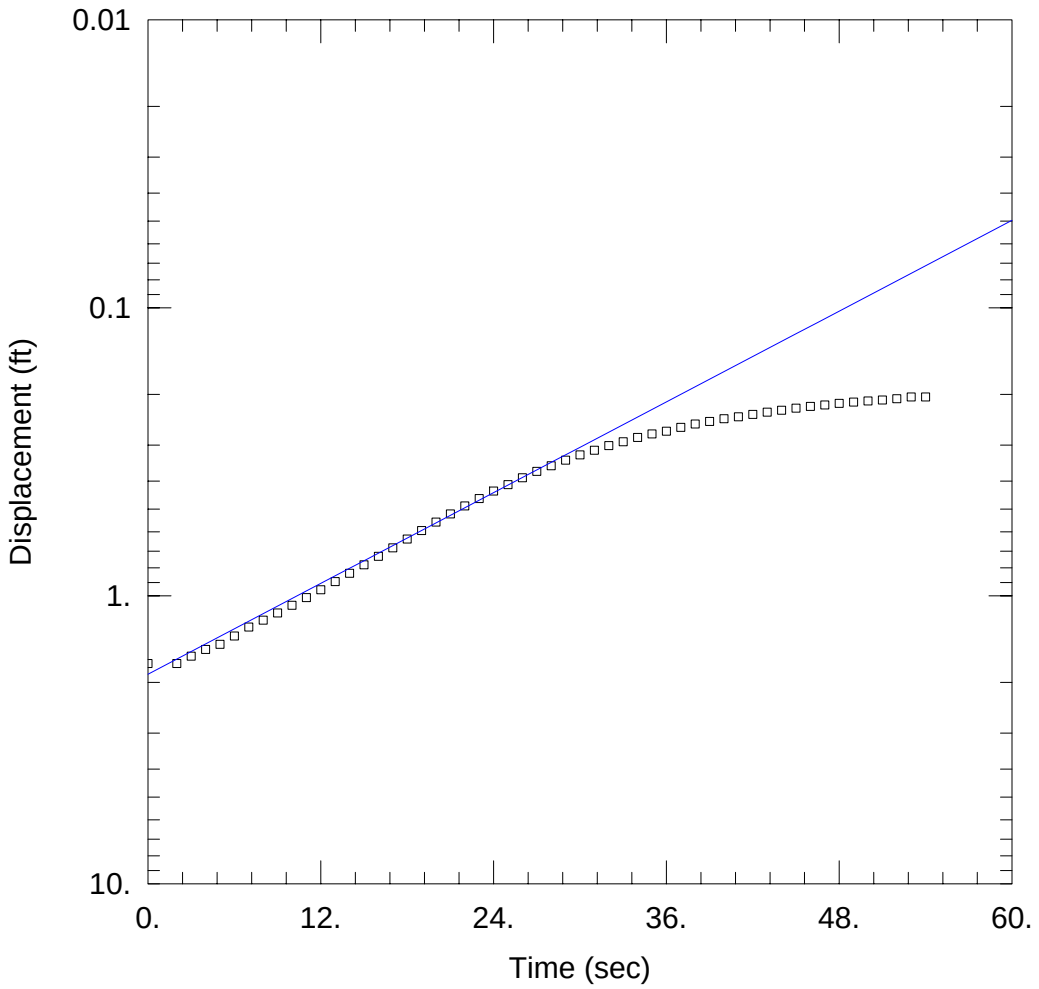
WELL DATA (GMX-MW-5D)

Initial Displacement: 3.287 ft Water Column Height: 20.55 ft
Casing Radius: 0.1667 ft Wellbore Radius: 0.1667 ft
Screen Length: 15.5 ft Gravel Pack Porosity: 1.

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 7.187E-05 cm/sec y0 = 2.619 ft



WELL TEST ANALYSIS

Data Set: \...\5S.aqt
Date: 03/08/10 Time: 09:31:17

PROJECT INFORMATION

Company: AMEC Geomatrix
Client: RG&E
Project: 12661.004
Test Location: West Station
Test Well: GMX-MW-5S
Test Date: December 2009

AQUIFER DATA

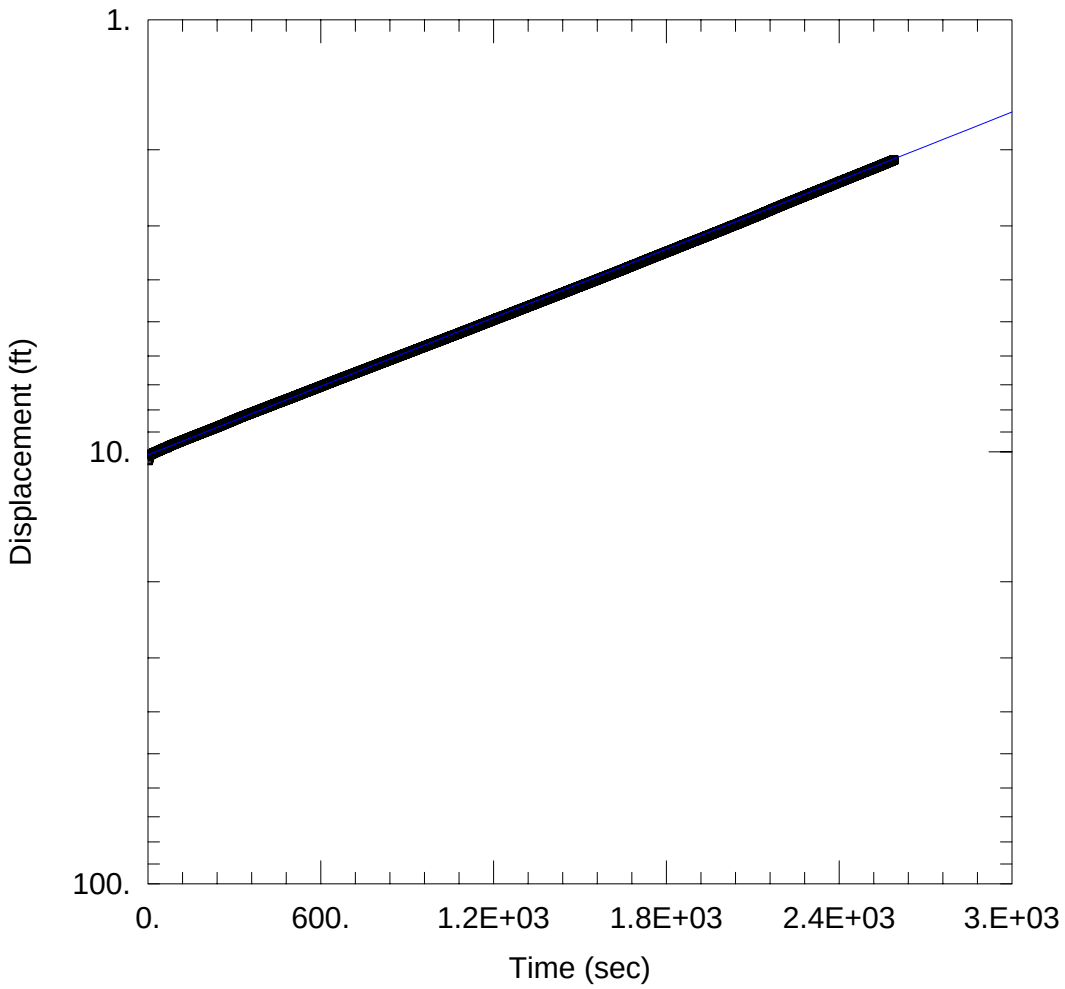
Saturated Thickness: 10. ft Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA (GMX-MW-5S)

Initial Displacement: 1.719 ft Water Column Height: 5.37 ft
Casing Radius: 0.0833 ft Wellbore Radius: 0.3437 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.1

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.003211 cm/sec y0 = 1.872 ft



WELL TEST ANALYSIS

Data Set: \...\6D.aqt
Date: 03/08/10 Time: 09:26:53

PROJECT INFORMATION

Company: AMEC Geomatrix
Client: RG&E
Project: 12661.004
Test Location: West Station
Test Well: GMX-MW-6D
Test Date: December 2009

AQUIFER DATA

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

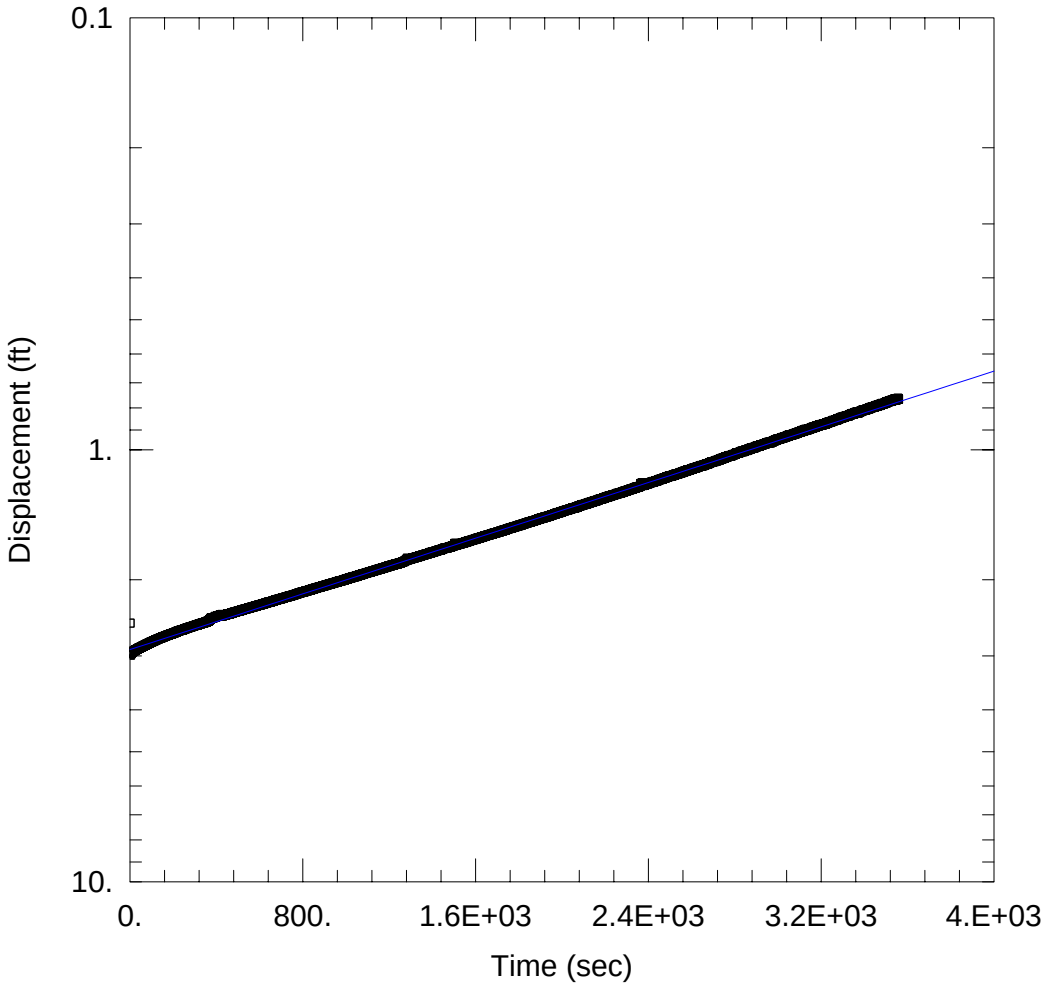
WELL DATA (GMX-MW-6D)

Initial Displacement: 10.44 ft Water Column Height: 21.05 ft
Casing Radius: 0.1667 ft Wellbore Radius: 0.1667 ft
Screen Length: 7. ft Gravel Pack Porosity: 1.

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 0.0001299 cm/sec y0 = 10.17 ft



WELL TEST ANALYSIS

Data Set: \...\6I.aqt
Date: 03/08/10 Time: 09:26:17

PROJECT INFORMATION

Company: AMEC Geomatrix
Client: RG&E
Project: 12661.004
Test Location: West Station
Test Well: GMX-MW-6I
Test Date: December 2009

AQUIFER DATA

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

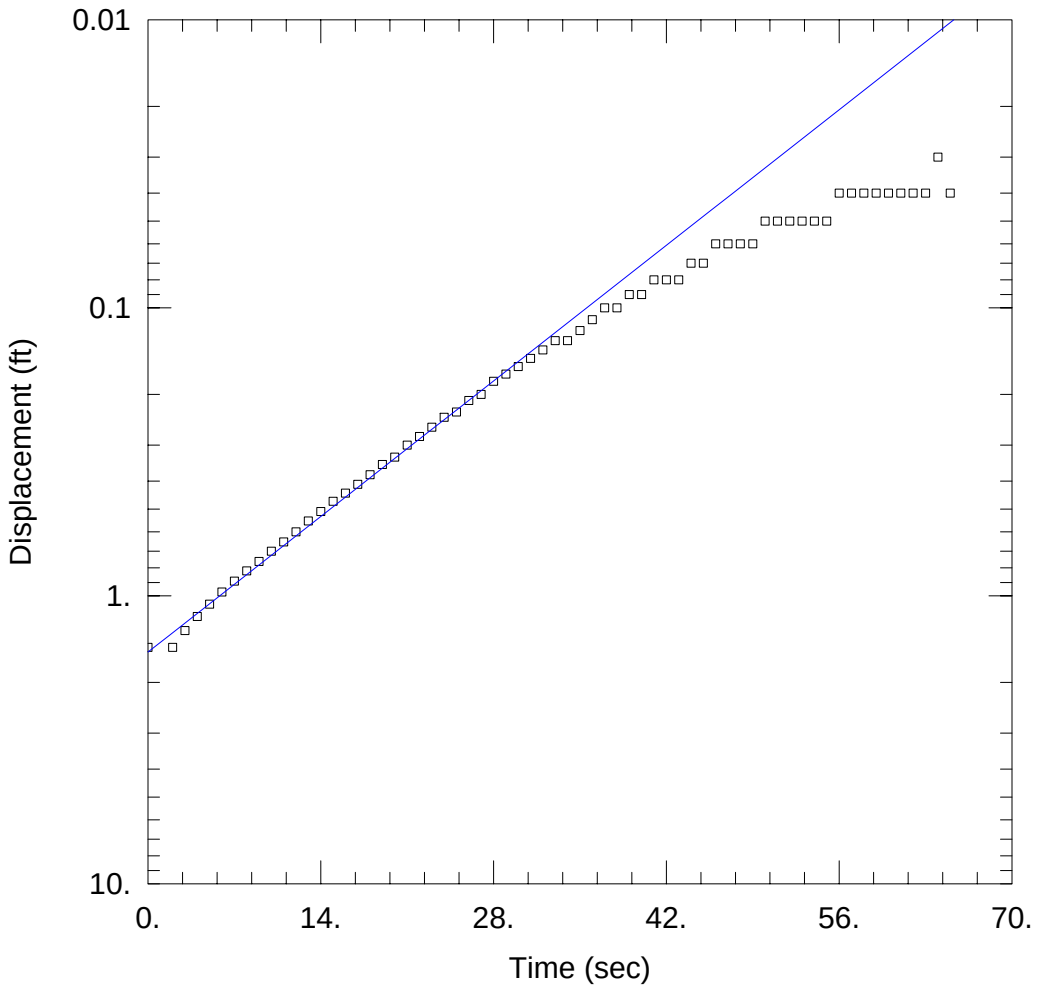
WELL DATA (GMX-MW-6I)

Initial Displacement: 2.519 ft Water Column Height: 35.68 ft
Casing Radius: 0.0833 ft Wellbore Radius: 0.3437 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.1

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 3.363E-05 cm/sec y0 = 2.901 ft



WELL TEST ANALYSIS

Data Set: \...\6S.aqt
Date: 03/08/10 Time: 09:25:32

PROJECT INFORMATION

Company: AMEC Geomatrix
Client: RG&E
Project: 12661.004
Test Location: West Station
Test Well: GMX-MW-6S
Test Date: December 2009

AQUIFER DATA

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

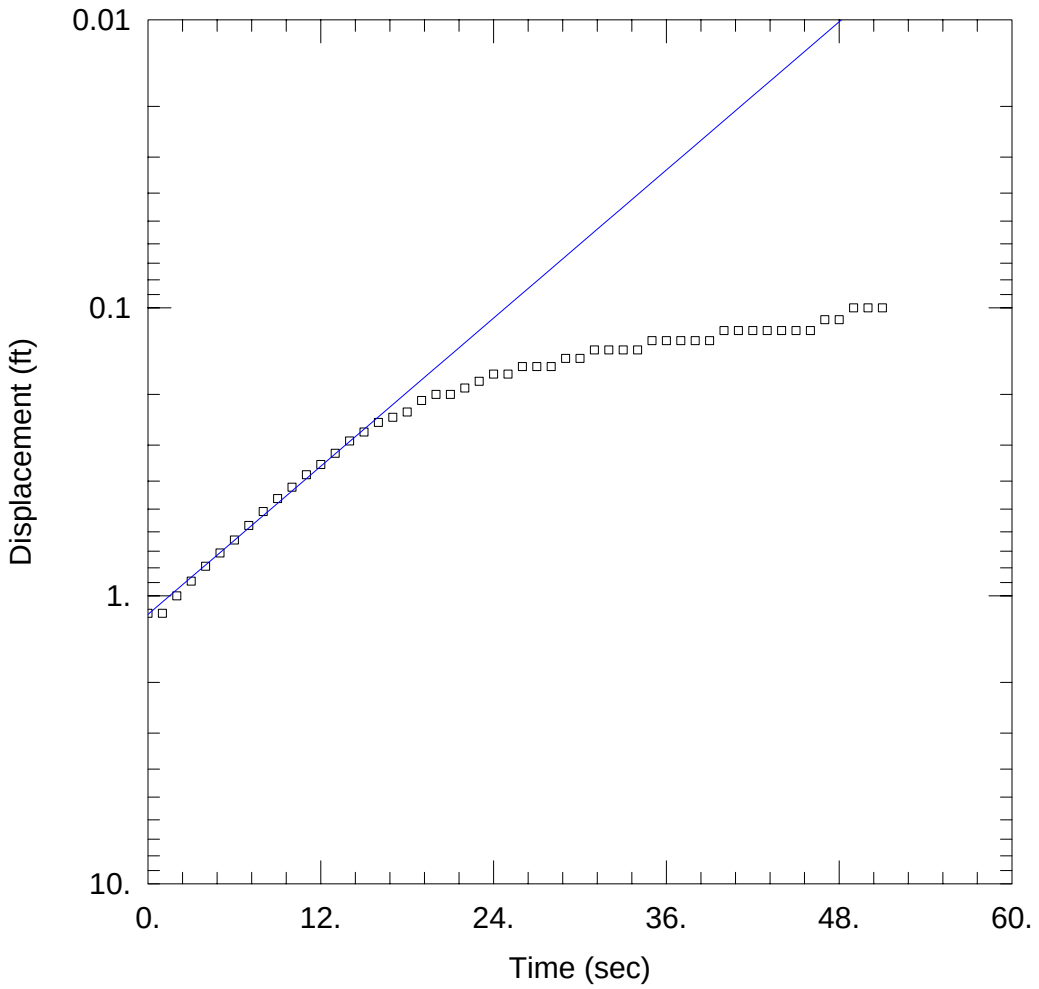
WELL DATA (GMX-MW-6S)

Initial Displacement: 1.51 ft Water Column Height: 12.29 ft
Casing Radius: 0.0833 ft Wellbore Radius: 0.3437 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.1

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 0.005694 cm/sec y0 = 1.569 ft



WELL TEST ANALYSIS

Data Set: \...\7S.aqt
Date: 03/08/10 Time: 09:24:46

PROJECT INFORMATION

Company: AMEC Geomatrix
Client: RG&E
Project: 12661.004
Test Location: West Station
Test Well: GMX-MW-7S
Test Date: December 2009

AQUIFER DATA

Saturated Thickness: 5. ft Anisotropy Ratio (Kz/Kr): 0.1

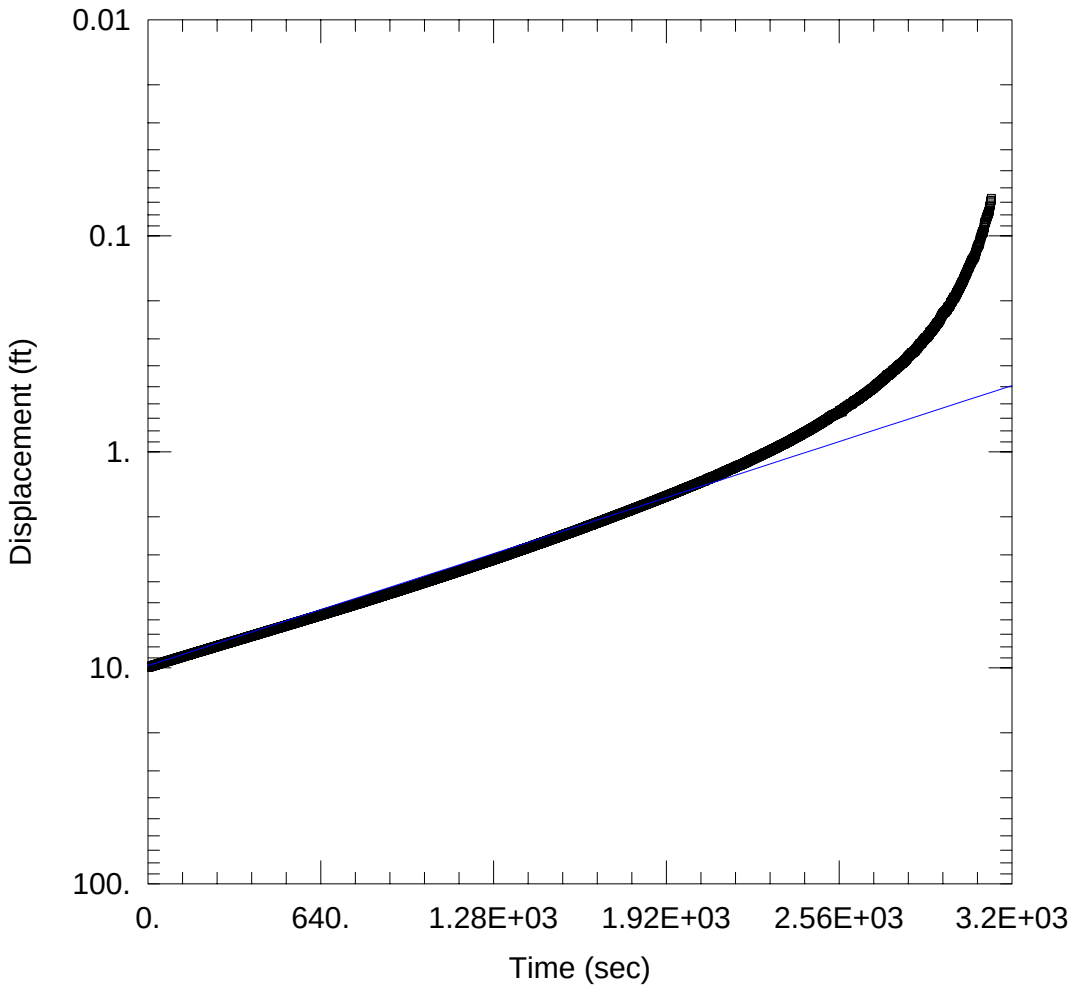
WELL DATA (GMX-MW-7S)

Initial Displacement: 1.15 ft Water Column Height: 5.86 ft
Casing Radius: 0.0833 ft Wellbore Radius: 0.3437 ft
Screen Length: 5. ft Gravel Pack Porosity: 0.1

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 0.01109 cm/sec y0 = 1.161 ft



WELL TEST ANALYSIS

Data Set: \...\8D.aqt
Date: 03/08/10 Time: 09:24:02

PROJECT INFORMATION

Company: AMEC Geomatrix
Client: RG&E
Project: 12661.004
Test Location: West Station
Test Well: GMX-MW-8D
Test Date: December 2009

AQUIFER DATA

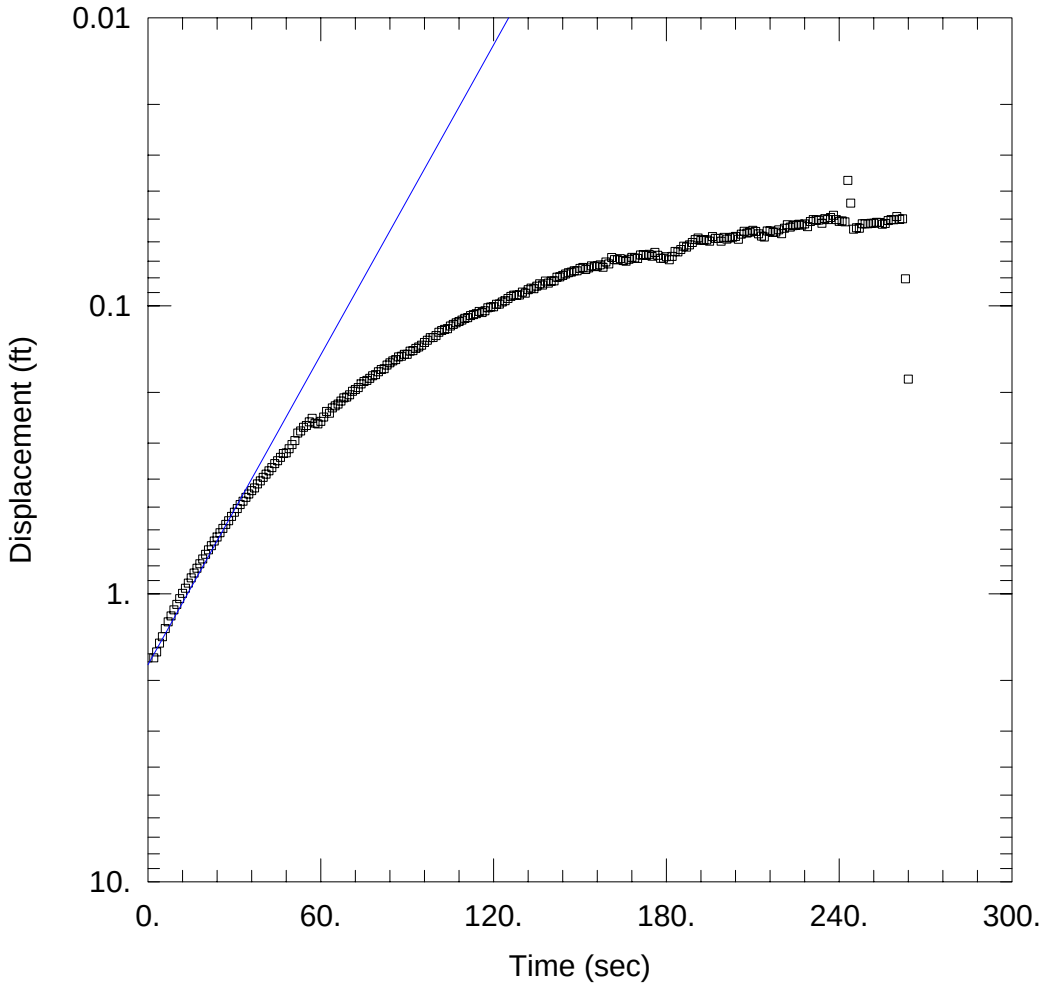
Saturated Thickness: 15. ft Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA (GMX-MW-8D)

Initial Displacement: 9.943 ft Water Column Height: 29.08 ft
Casing Radius: 0.1667 ft Wellbore Radius: 0.1667 ft
Screen Length: 15. ft Gravel Pack Porosity: 1.

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice
K = 0.0001022 cm/sec y0 = 9.778 ft



WELL TEST ANALYSIS

Data Set: \...\8S.aqt
Date: 03/08/10 Time: 09:23:22

PROJECT INFORMATION

Company: AMEC Geomatrix
Client: RG&E
Project: 12661.004
Test Location: West Station
Test Well: GMX-MW-8S
Test Date: December 2009

AQUIFER DATA

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

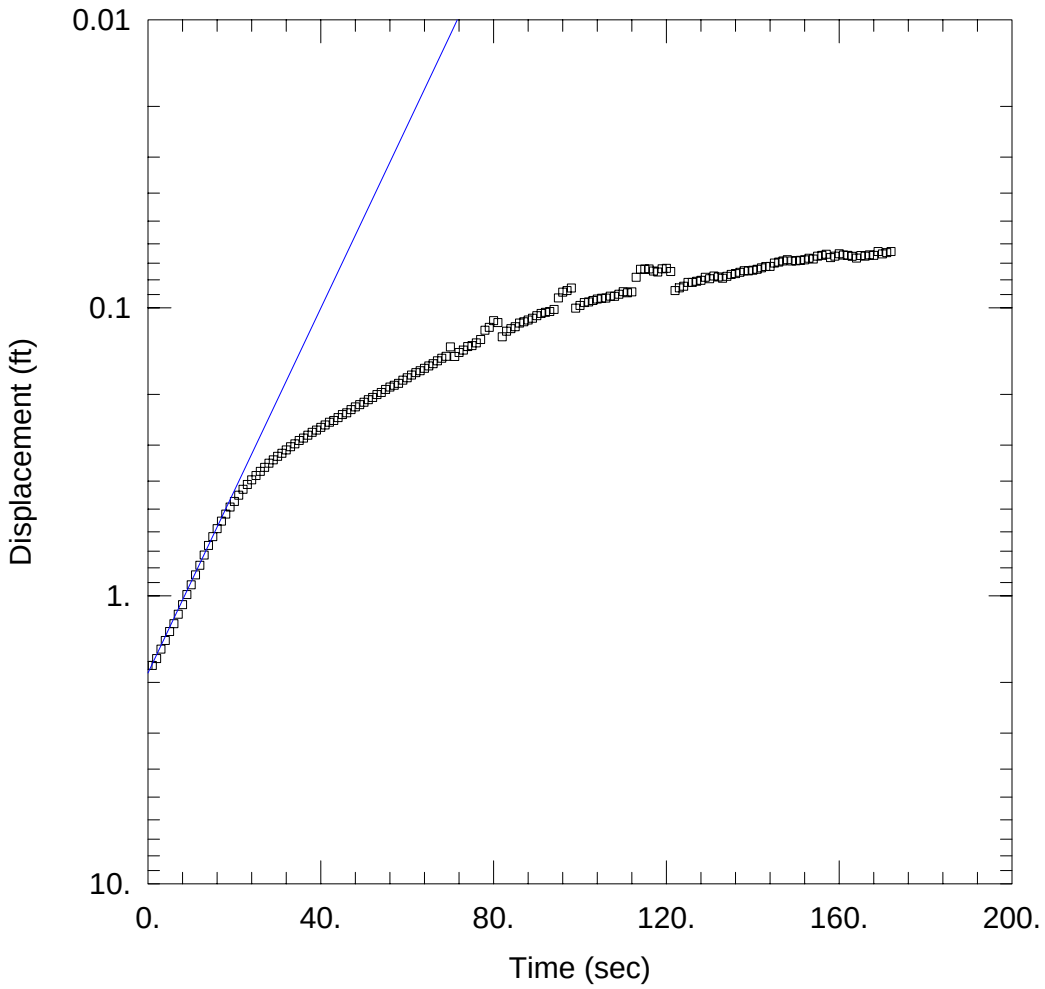
WELL DATA (GMX-MW-8S)

Initial Displacement: 1.668 ft Water Column Height: 13.04 ft
Casing Radius: 0.0833 ft Wellbore Radius: 0.3437 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.1

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 0.003078 cm/sec y0 = 1.764 ft



WELL TEST ANALYSIS

Data Set: \...\9S.aqt
Date: 03/08/10 Time: 09:22:47

PROJECT INFORMATION

Company: AMEC Geomatrix
Client: RG&E
Project: 12661.004
Test Location: West Station
Test Well: GMX-MW-9S
Test Date: December 2009

AQUIFER DATA

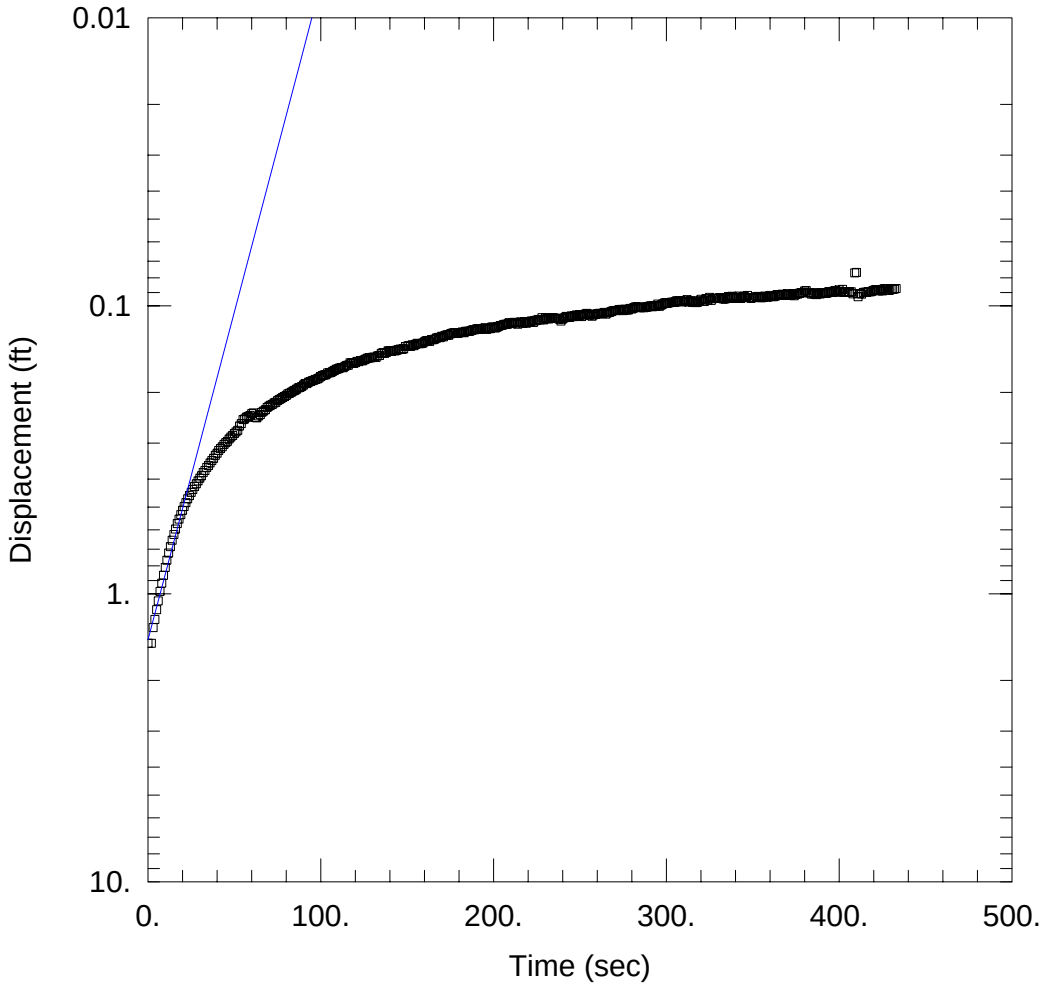
Saturated Thickness: 10. ft Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA (GMX-MW-9S)

Initial Displacement: 1.745 ft Water Column Height: 2.7 ft
Casing Radius: 0.0833 ft Wellbore Radius: 0.3437 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.1

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.003051 cm/sec y0 = 1.854 ft



WELL TEST ANALYSIS

Data Set: \...\10S.aqt
Date: 03/08/10 Time: 09:53:03

PROJECT INFORMATION

Company: AMEC Geomatrix
Client: RG&E
Project: 12661.004
Test Location: West Station
Test Well: GMX-MW-10S
Test Date: December 2009

AQUIFER DATA

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

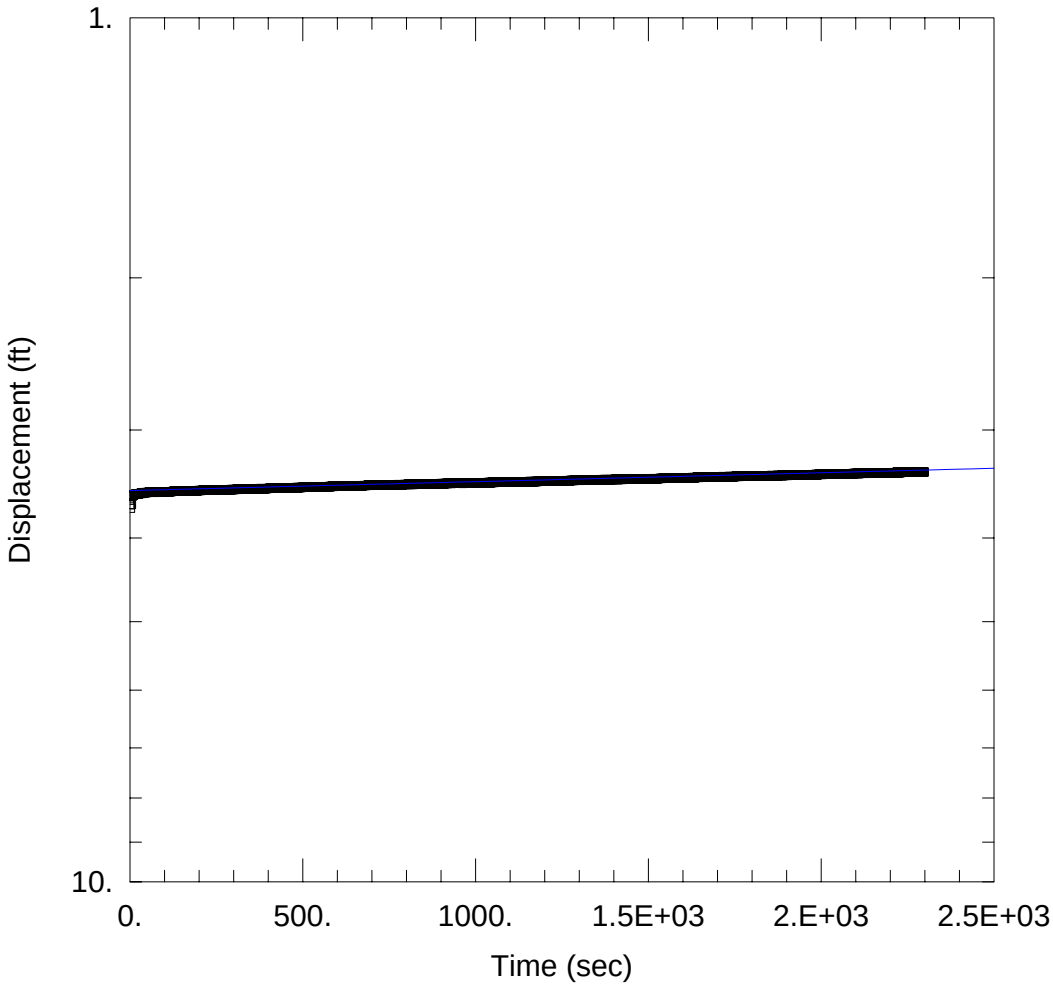
WELL DATA (GMX-MW-10S)

Initial Displacement: 1.486 ft Water Column Height: 5.1 ft
Casing Radius: 0.0833 ft Wellbore Radius: 0.3437 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.1

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 0.002739 cm/sec y0 = 1.444 ft



WELL TEST ANALYSIS

Data Set: \...\12d.aqt
Date: 03/08/10 Time: 09:21:31

PROJECT INFORMATION

Company: AMEC Geomatrix
Client: RG&E
Project: 12661.004
Test Location: West Station
Test Well: GMX-MW-12D
Test Date: December 2009

AQUIFER DATA

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

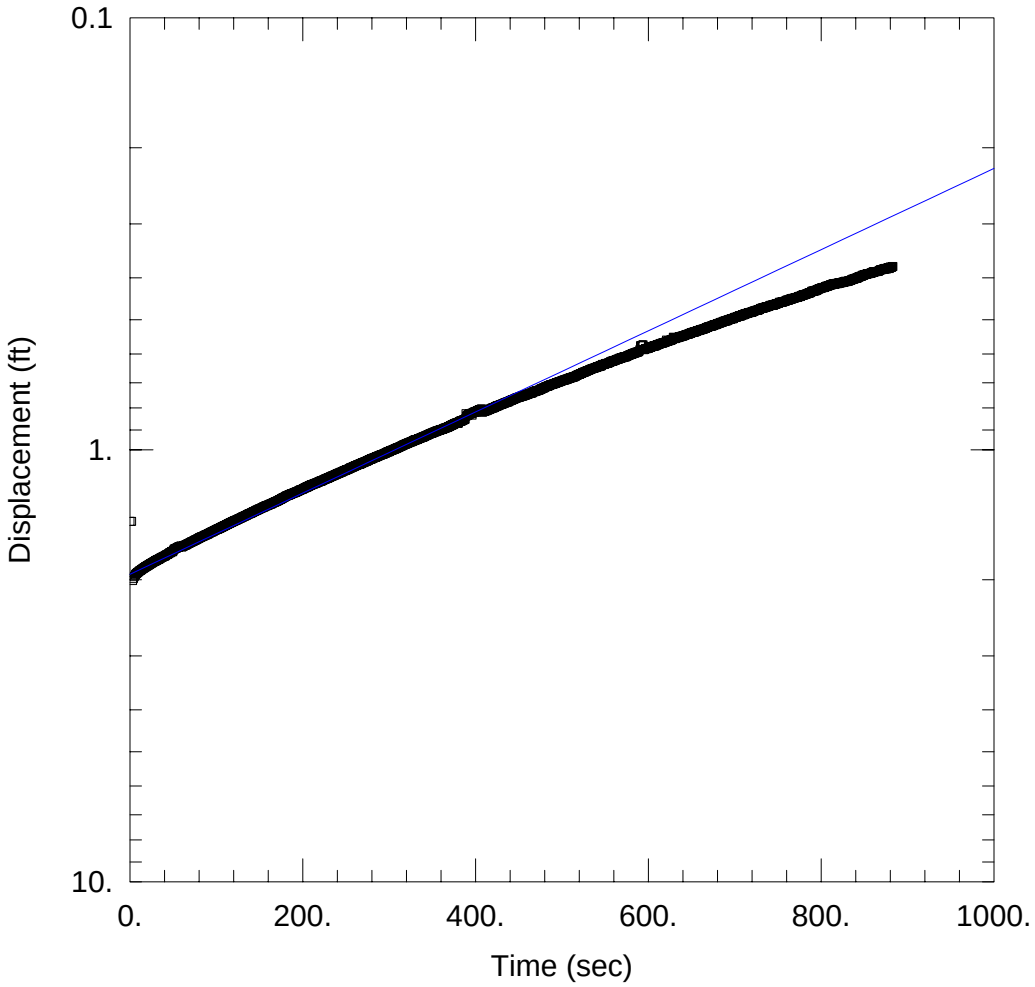
WELL DATA (GMX-MW-12D)

Initial Displacement: 3.66 ft Water Column Height: 24.06 ft
Casing Radius: 0.1667 ft Wellbore Radius: 0.1667 ft
Screen Length: 15. ft Gravel Pack Porosity: 1.

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 2.526E-06 cm/sec y0 = 3.526 ft



WELL TEST ANALYSIS

Data Set: \...\12S.aqt
Date: 03/08/10 Time: 09:20:57

PROJECT INFORMATION

Company: AMEC Geomatrix
Client: RG&E
Project: 12661.004
Test Location: West Station
Test Well: GMX-MW-12S
Test Date: December 2009

AQUIFER DATA

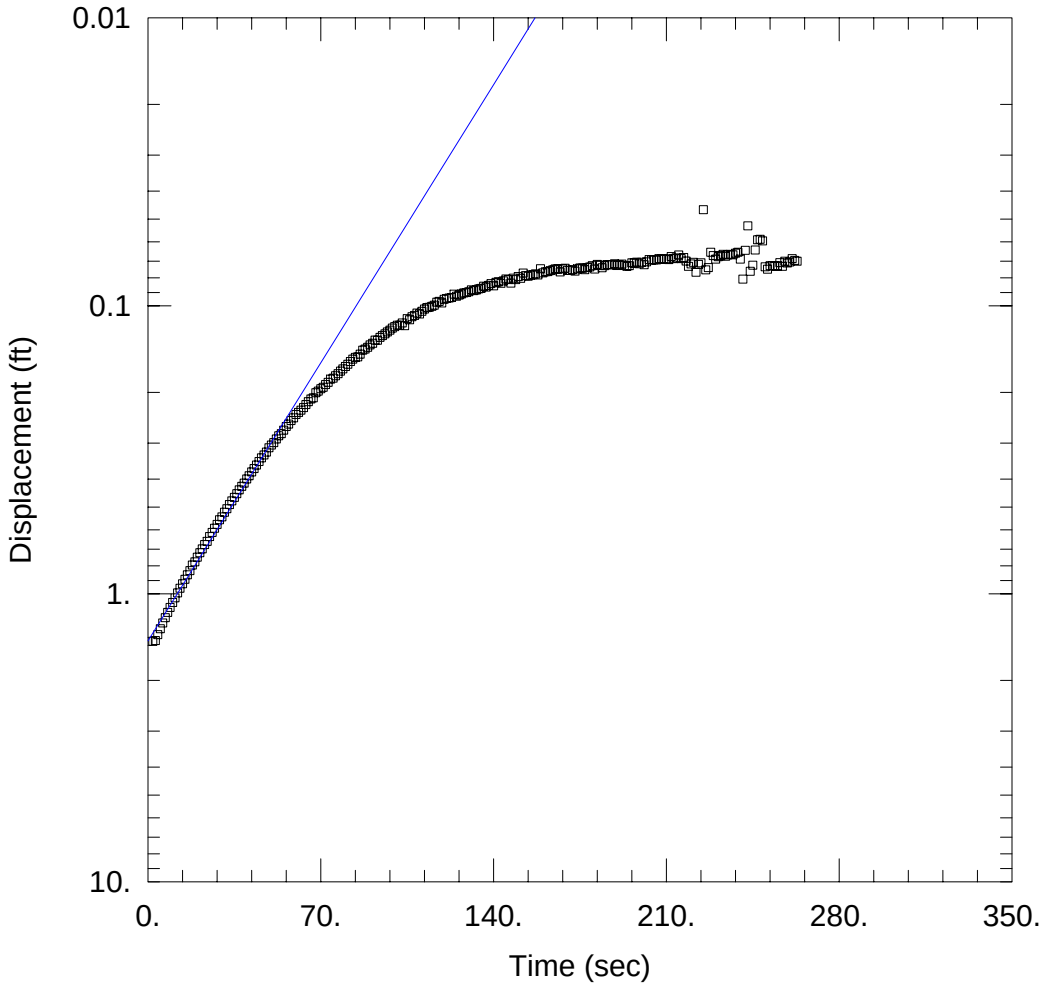
Saturated Thickness: 5. ft Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA (GMX-MW-12S)

Initial Displacement: 1.465 ft Water Column Height: 5.53 ft
Casing Radius: 0.0833 ft Wellbore Radius: 0.3437 ft
Screen Length: 5. ft Gravel Pack Porosity: 0.1

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.0002391 cm/sec y0 = 1.942 ft



WELL TEST ANALYSIS

Data Set: \...\13S.aqt
Date: 03/08/10 Time: 09:19:59

PROJECT INFORMATION

Company: AMEC Geomatrix
Client: RG&E
Project: 12661.004
Test Location: West Station
Test Well: GMX-MW-13S
Test Date: December 2009

AQUIFER DATA

Saturated Thickness: 5. ft Anisotropy Ratio (Kz/Kr): 0.1

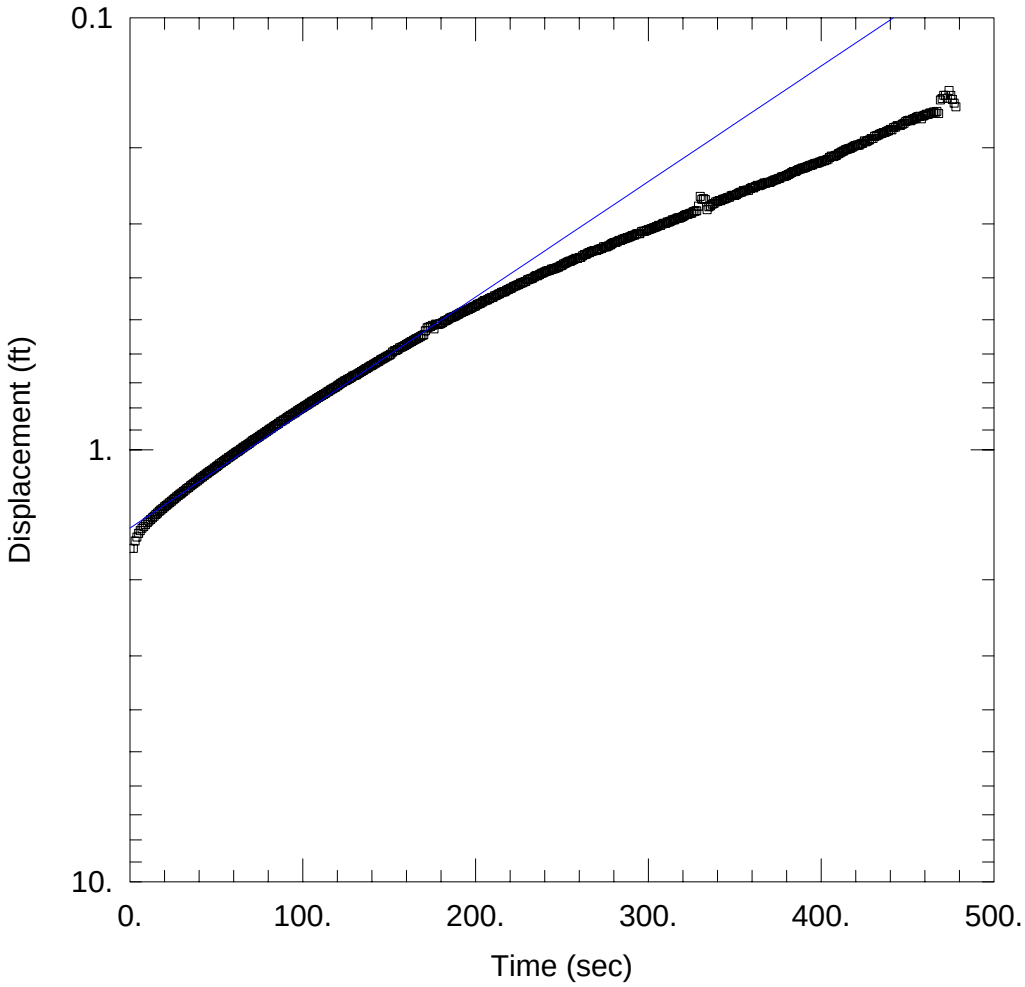
WELL DATA (GMX-MW-13S)

Initial Displacement: 1.463 ft Water Column Height: 6.24 ft
Casing Radius: 0.0833 ft Wellbore Radius: 0.3437 ft
Screen Length: 5. ft Gravel Pack Porosity: 0.1

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 0.003632 cm/sec y0 = 1.458 ft



WELL TEST ANALYSIS

Data Set: \...\14S.aqt
Date: 03/08/10 Time: 09:42:52

PROJECT INFORMATION

Company: AMEC Geomatrix
Client: RG&E
Project: 12661.004
Test Location: West Station
Test Well: GMX-MW-14S
Test Date: December 2009

AQUIFER DATA

Saturated Thickness: 5. ft Anisotropy Ratio (Kz/Kr): 0.1

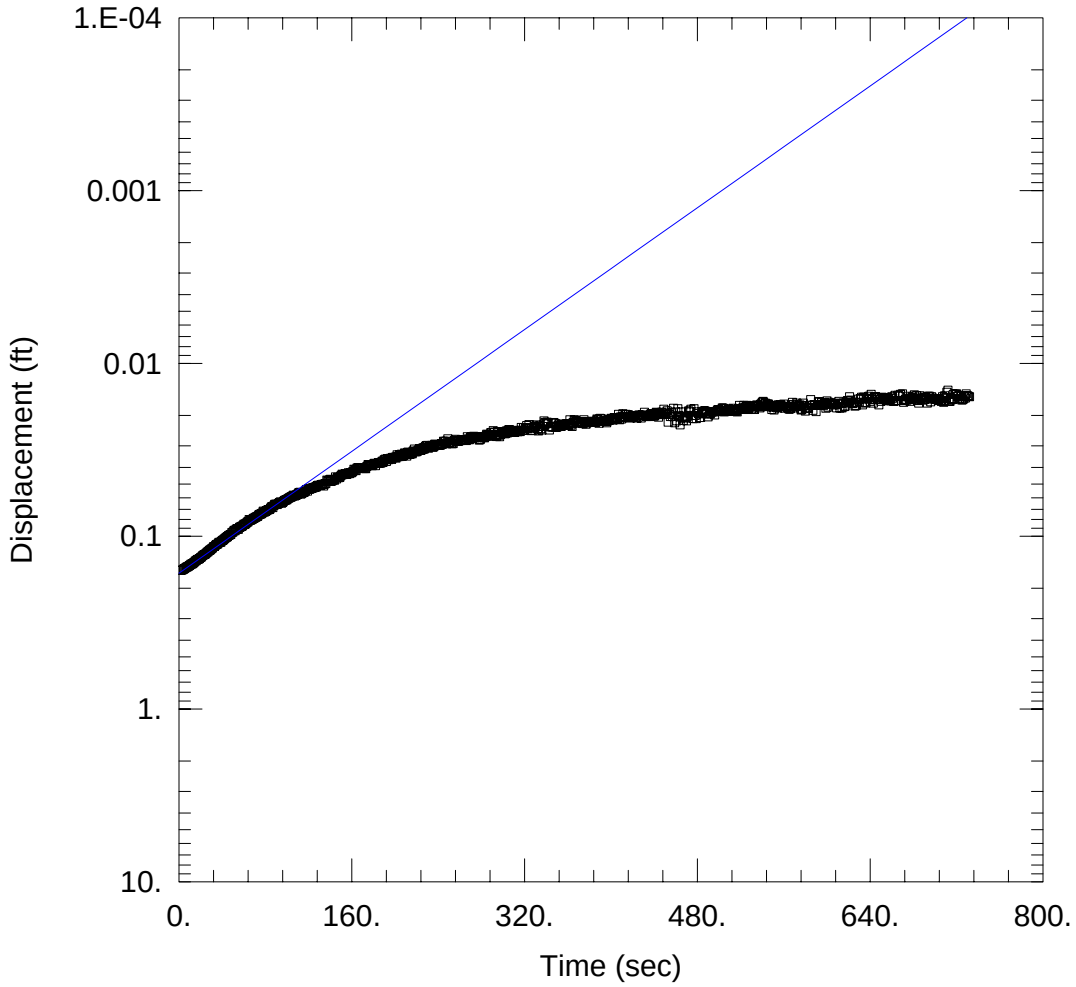
WELL DATA (GMX-MW-14S)

Initial Displacement: 1.692 ft Water Column Height: 1.55 ft
Casing Radius: 0.0833 ft Wellbore Radius: 0.3437 ft
Screen Length: 5. ft Gravel Pack Porosity: 0.1

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 0.0003701 cm/sec y0 = 1.518 ft



WELL TEST ANALYSIS

Data Set: \...\15s.aqt
Date: 03/17/10 Time: 14:39:24

PROJECT INFORMATION

Company: AMEC Geomatrix
Client: RG&E
Project: 12661.004
Test Location: West Station
Test Well: GMX-MW-25S
Test Date: December 2009

AQUIFER DATA

Saturated Thickness: 12.5 ft Anisotropy Ratio (Kz/Kr): 0.1

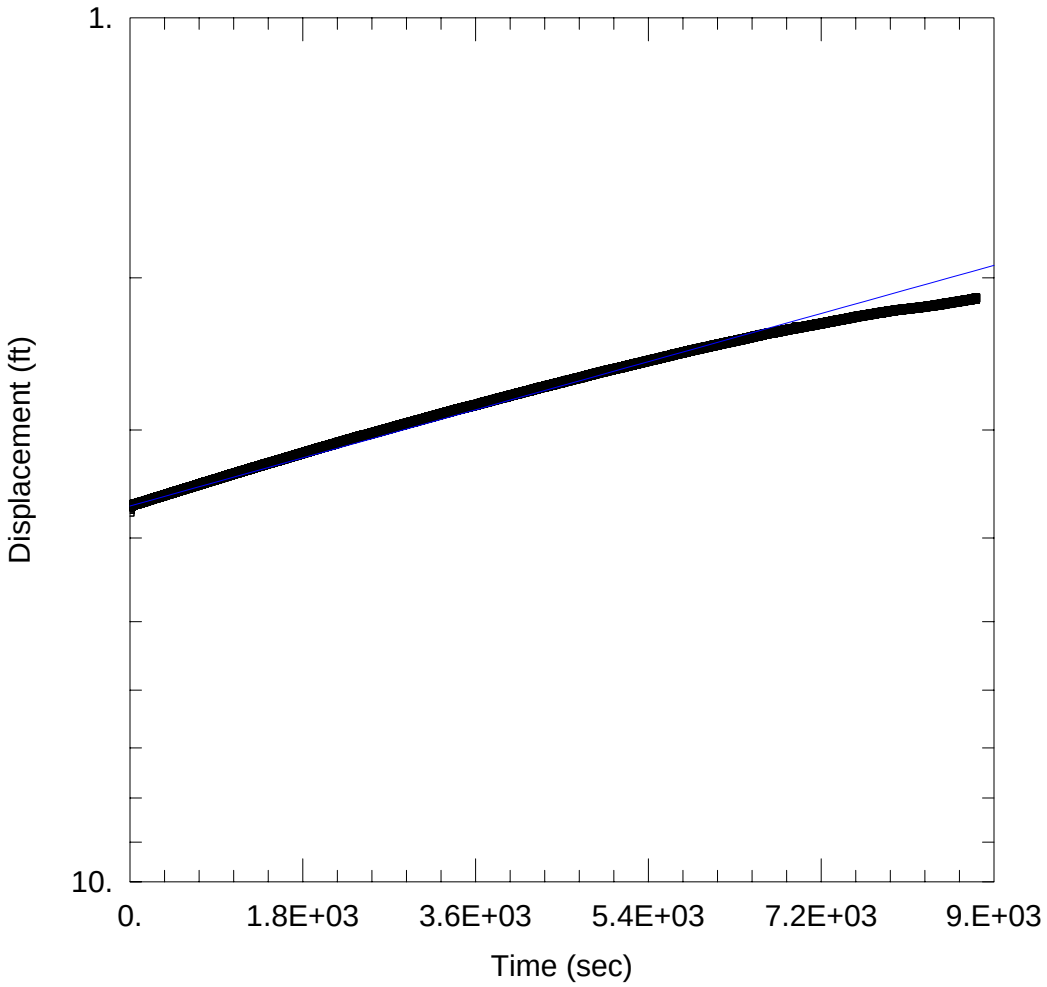
WELL DATA (GMX-MW-15S)

Initial Displacement: 0.1574 ft Water Column Height: 12.5 ft
Casing Radius: 0.04167 ft Wellbore Radius: 0.3437 ft
Screen Length: 9.6 ft Gravel Pack Porosity: 0.1

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 0.0007788 cm/sec y0 = 0.1638 ft



WELL TEST ANALYSIS

Data Set: \...\16D.aqt
Date: 03/08/10 Time: 09:16:01

PROJECT INFORMATION

Company: AMEC Geomatrix
Client: RG&E
Project: 12661.004
Test Location: West Station
Test Well: GMX-MW-16D
Test Date: December 2009

AQUIFER DATA

Saturated Thickness: 5. ft Anisotropy Ratio (Kz/Kr): 0.1

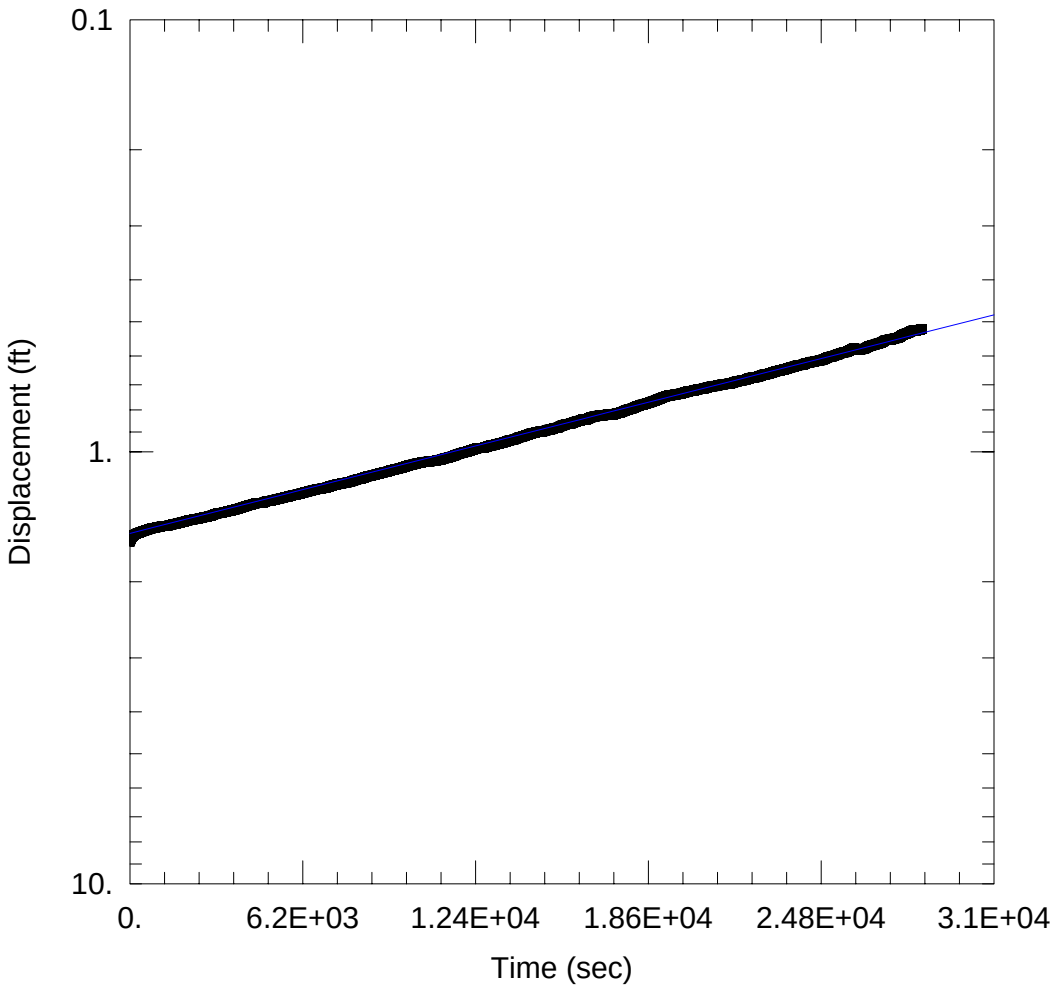
WELL DATA (GMX-MW-16D)

Initial Displacement: 3.734 ft Water Column Height: 12.75 ft
Casing Radius: 0.1667 ft Wellbore Radius: 0.1667 ft
Screen Length: 5. ft Gravel Pack Porosity: 1.

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 1.891E-05 cm/sec y0 = 3.674 ft



WELL TEST ANALYSIS

Data Set: \...\16I.aqt
Date: 03/08/10 Time: 09:44:17

PROJECT INFORMATION

Company: AMEC Geomatrix
Client: RG&E
Project: 12661.004
Test Location: West Station
Test Well: GMX-MW-16I
Test Date: December 2009

AQUIFER DATA

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

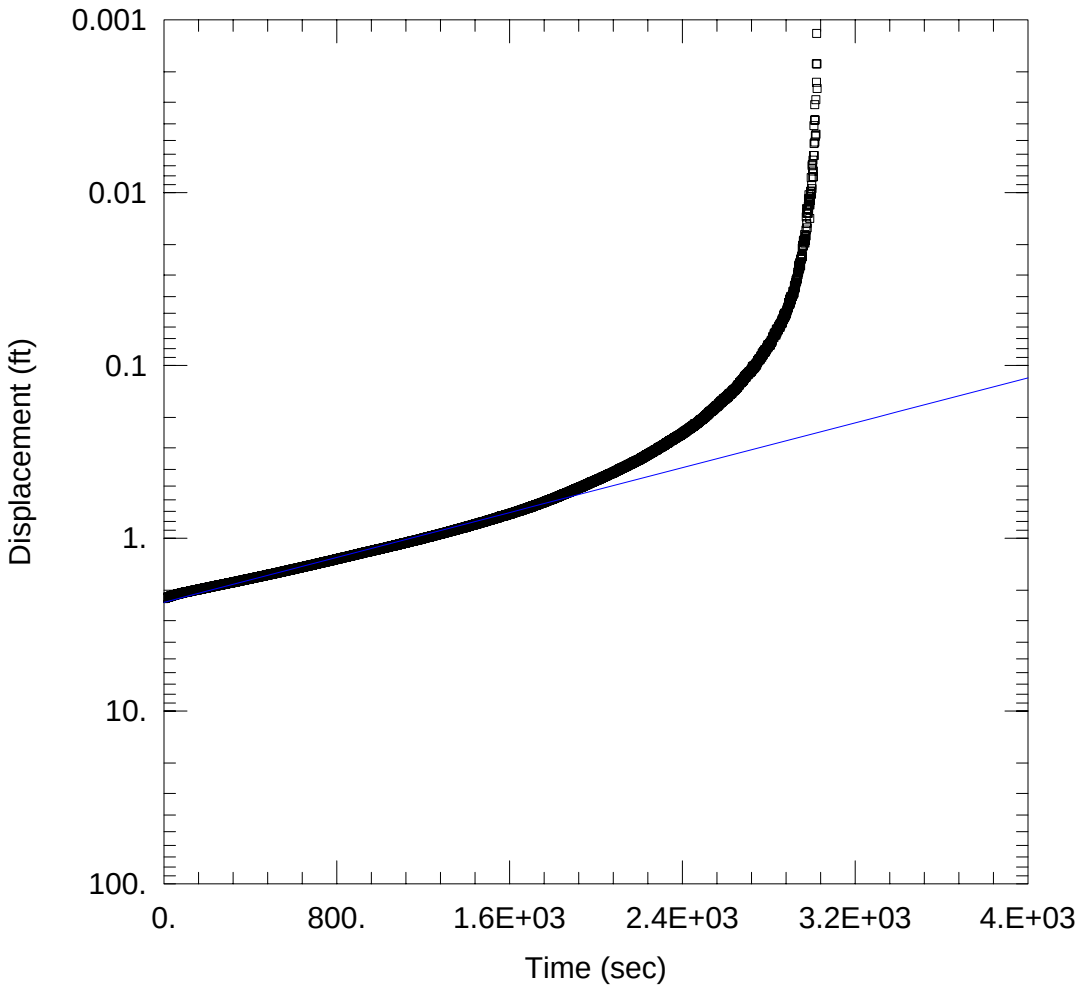
WELL DATA (GMX-MW-16I)

Initial Displacement: 1.62 ft Water Column Height: 42.75 ft
Casing Radius: 0.0833 ft Wellbore Radius: 0.3437 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.1

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 3.508E-06 cm/sec y0 = 1.545 ft



WELL TEST ANALYSIS

Data Set: \...\17D.aqt
Date: 03/08/10 Time: 09:13:14

PROJECT INFORMATION

Company: AMEC Geomatrix
Client: RG&E
Project: 12661.004
Test Location: West Station
Test Well: GMX-MW-17D
Test Date: December 2009

AQUIFER DATA

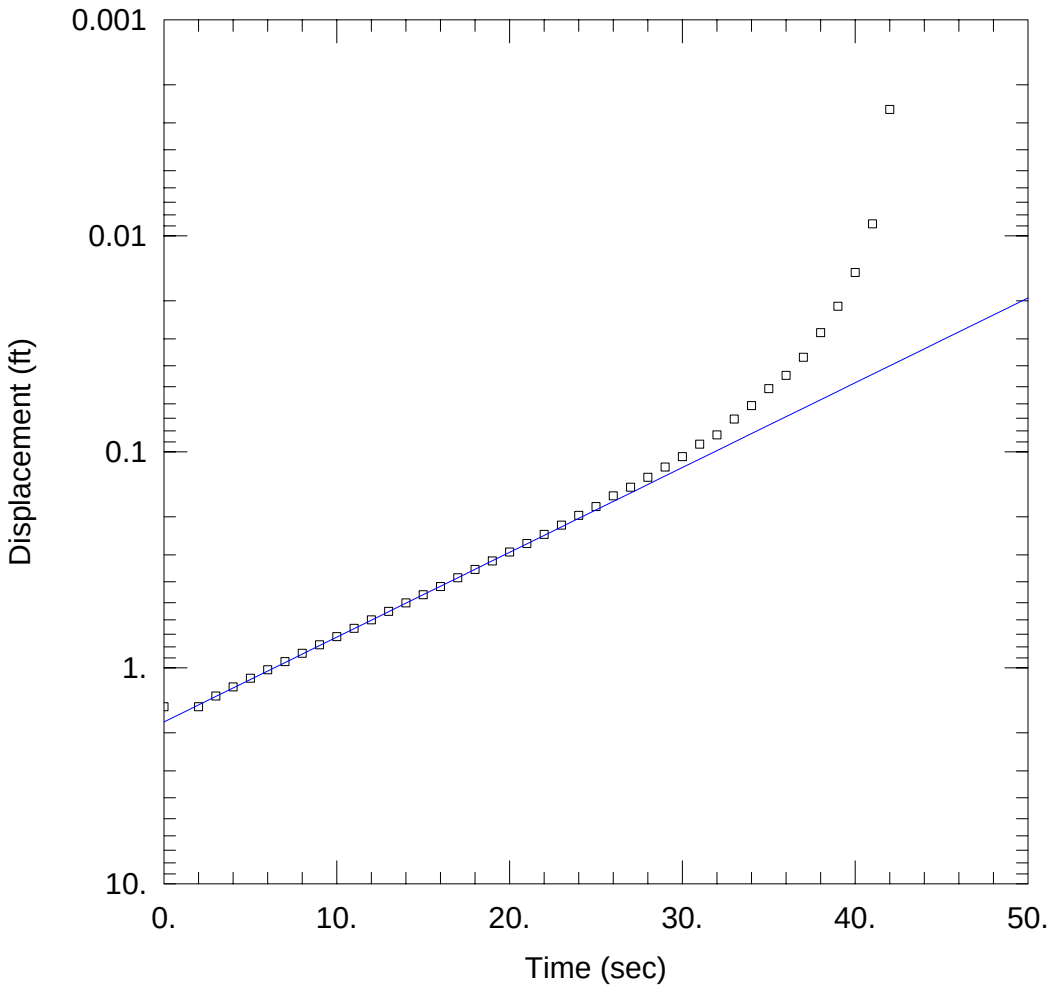
Saturated Thickness: 15. ft Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA (GMX-MW-17D)

Initial Displacement: 2.235 ft Water Column Height: 24.13 ft
Casing Radius: 0.1667 ft Wellbore Radius: 0.1667 ft
Screen Length: 15. ft Gravel Pack Porosity: 1.

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice
K = 7.945E-05 cm/sec y0 = 2.351 ft



WELL TEST ANALYSIS

Data Set: \...\17S.aqt
Date: 03/08/10 Time: 09:45:20

PROJECT INFORMATION

Company: AMEC Geomatrix
Client: RG&E
Project: 12661.004
Test Location: West Station
Test Well: GMX-MW-17S
Test Date: December 2009

AQUIFER DATA

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

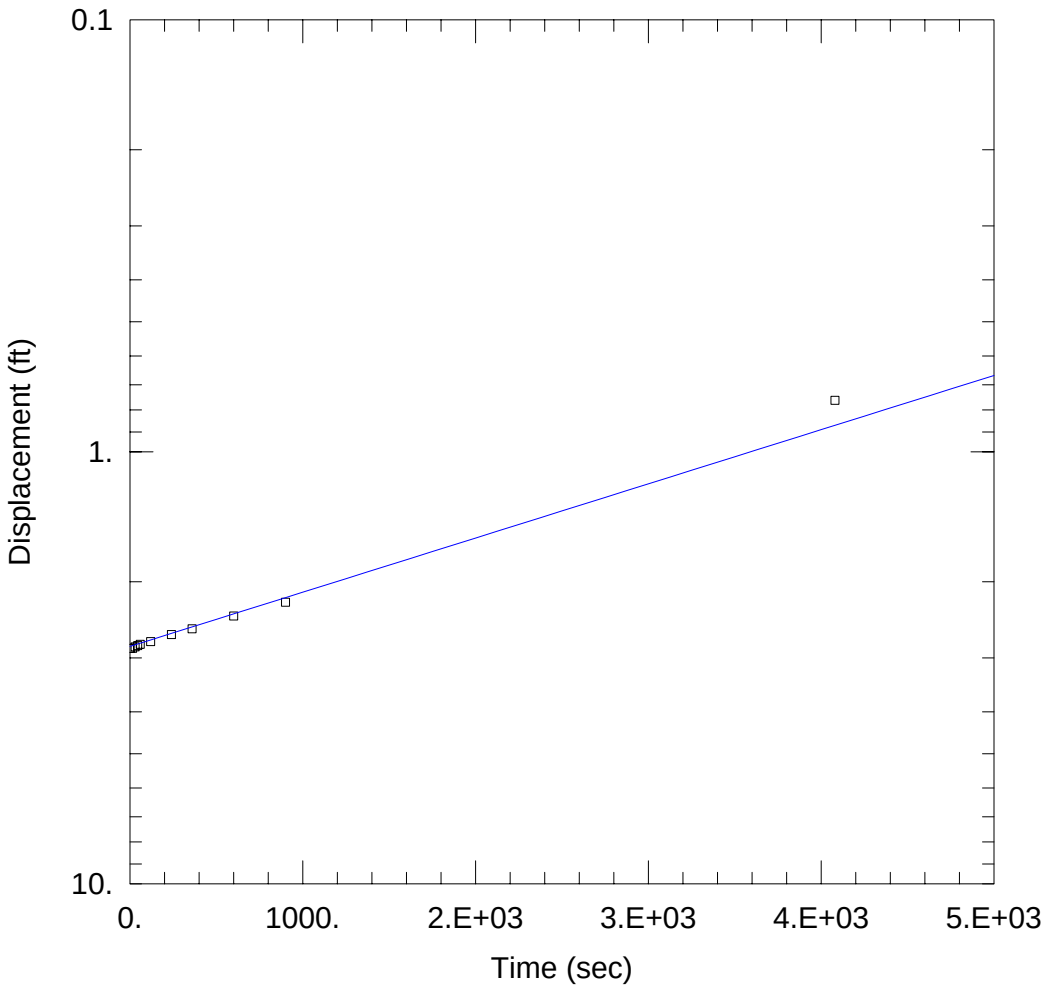
WELL DATA (GMX-MW-17S)

Initial Displacement: 1.515 ft Water Column Height: 5.01 ft
Casing Radius: 0.0833 ft Wellbore Radius: 0.3437 ft
Screen Length: 7. ft Gravel Pack Porosity: 0.1

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 0.006509 cm/sec y0 = 1.781 ft



WELL TEST ANALYSIS

Data Set: \...\19D.aqt
Date: 03/08/10 Time: 09:10:31

PROJECT INFORMATION

Company: AMEC Geomatrix
Client: RG&E
Project: 12661.004
Test Location: West Station
Test Well: GMX-MW-19D
Test Date: December 2009

AQUIFER DATA

Saturated Thickness: 5. ft Anisotropy Ratio (Kz/Kr): 0.1

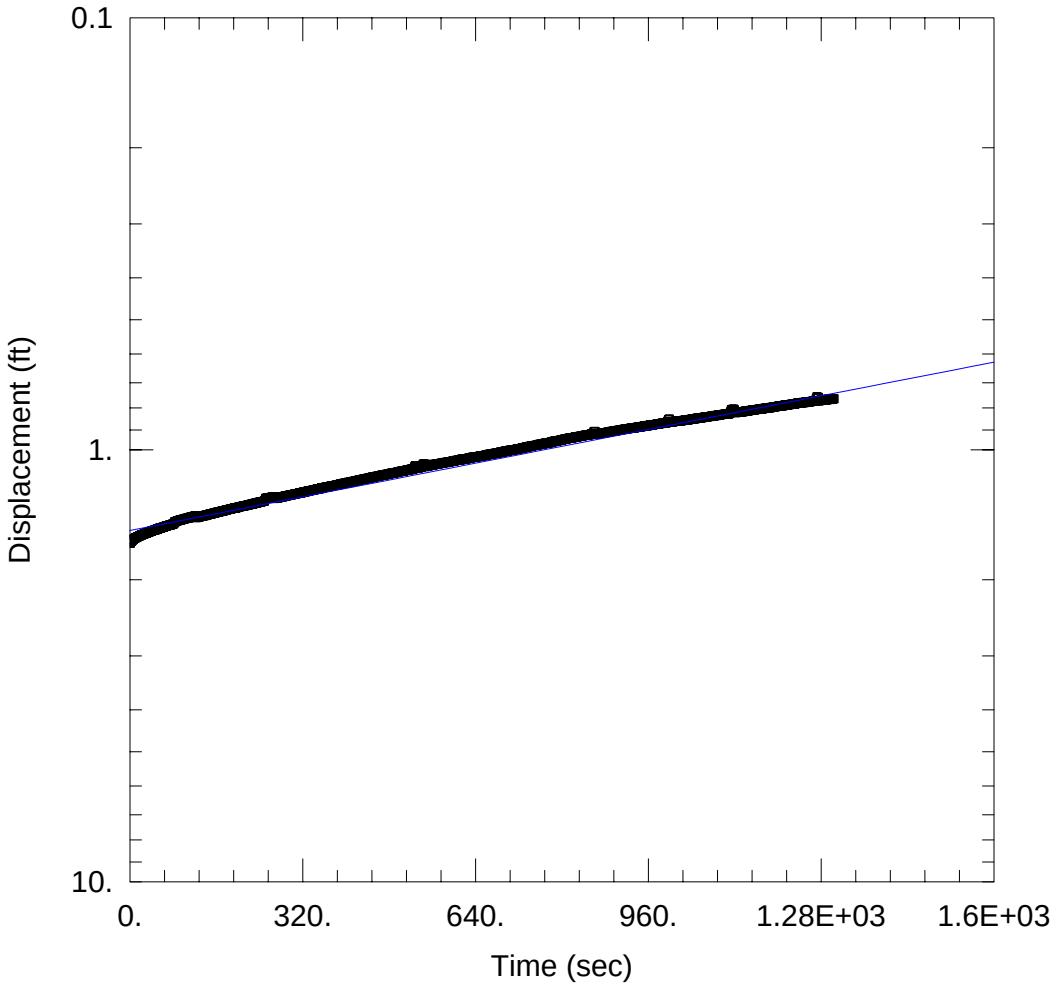
WELL DATA (GMX-MW-19D)

Initial Displacement: 2.85 ft Water Column Height: 25.13 ft
Casing Radius: 0.1667 ft Wellbore Radius: 0.1667 ft
Screen Length: 5. ft Gravel Pack Porosity: 1.

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 8.585E-05 cm/sec y0 = 2.822 ft



WELL TEST ANALYSIS

Data Set: \...\19I.aqt
Date: 03/08/10 Time: 09:46:13

PROJECT INFORMATION

Company: AMEC Geomatrix
Client: RG&E
Project: 12661.004
Test Location: West Station
Test Well: GMX-MW-19I
Test Date: December 2009

AQUIFER DATA

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

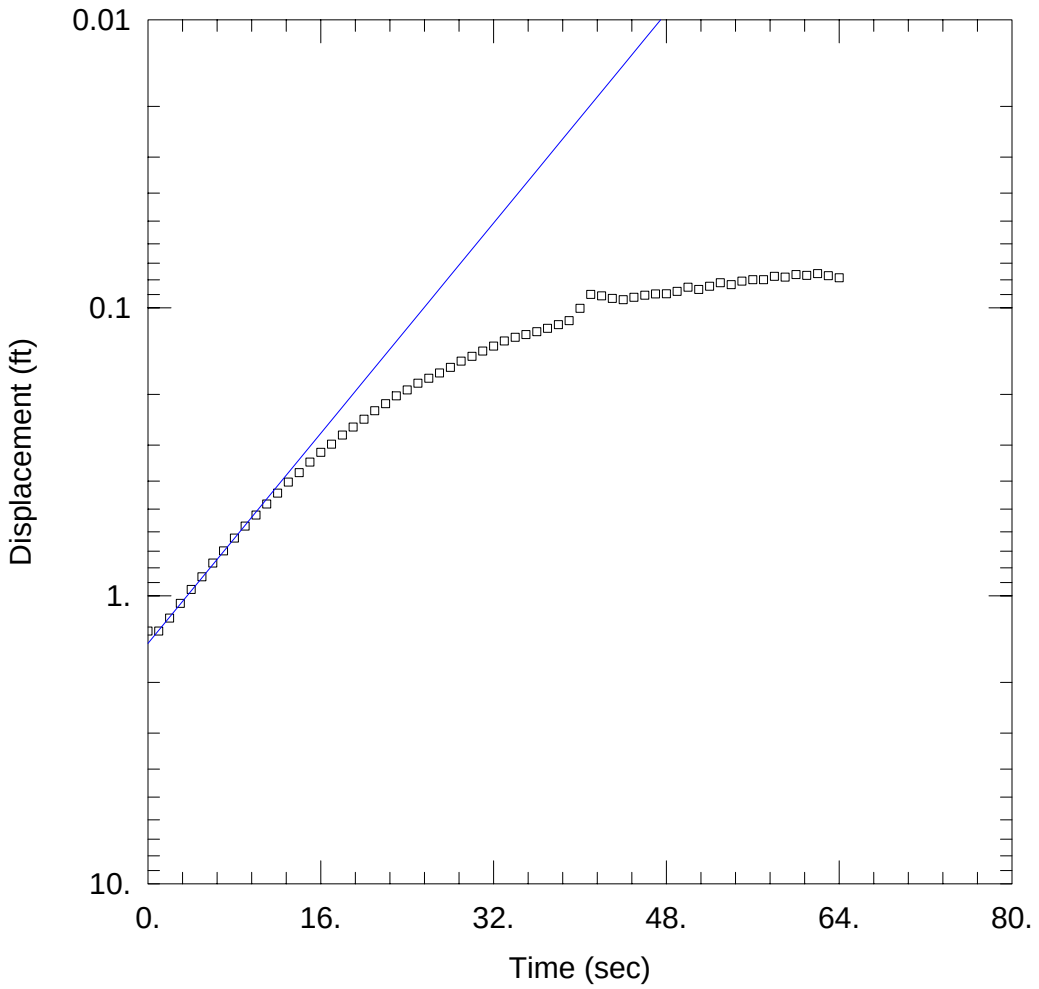
WELL DATA (GMX-MW-19I)

Initial Displacement: 1.644 ft Water Column Height: 34.67 ft
Casing Radius: 0.0833 ft Wellbore Radius: 0.3437 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.1

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 5.059E-05 cm/sec y0 = 1.538 ft



WELL TEST ANALYSIS

Data Set: \...\19S.aqt
Date: 03/08/10 Time: 09:46:59

PROJECT INFORMATION

Company: AMEC Geomatrix
Client: RG&E
Project: 12661.004
Test Location: West Station
Test Well: GMX-MW-19S
Test Date: December 2009

AQUIFER DATA

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

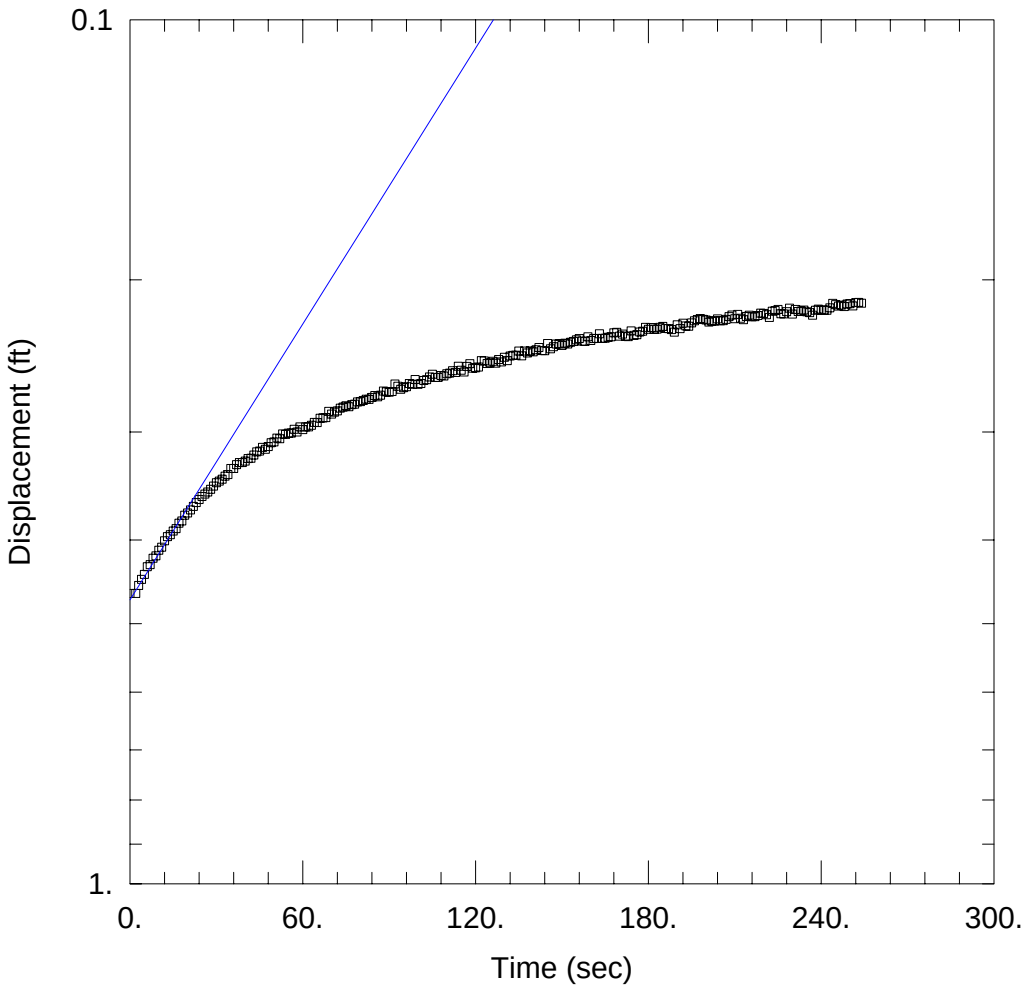
WELL DATA (GMX-MW-19S)

Initial Displacement: 1.326 ft Water Column Height: 2.38 ft
Casing Radius: 0.0833 ft Wellbore Radius: 0.3437 ft
Screen Length: 7. ft Gravel Pack Porosity: 0.1

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 0.005753 cm/sec y0 = 1.464 ft



WELL TEST ANALYSIS

Data Set: \...\21D.aqt
Date: 03/08/10 Time: 09:06:45

PROJECT INFORMATION

Company: AMEC Geomatrix
Client: RG&E
Project: 12661.004
Test Location: West Station
Test Well: GMX-MW-21D
Test Date: December 2009

AQUIFER DATA

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

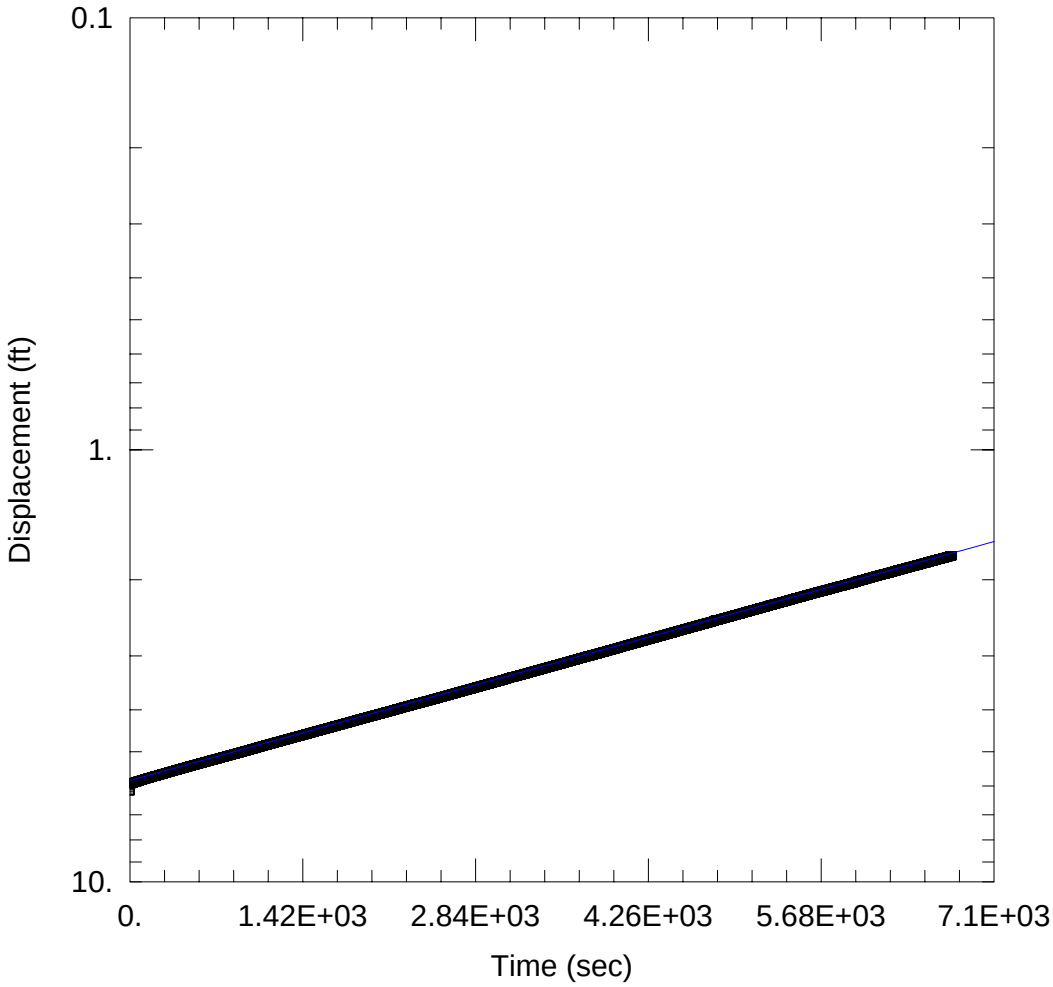
WELL DATA (GMX-MW-21D)

Initial Displacement: 0.4613 ft Water Column Height: 16.3 ft
Casing Radius: 0.1667 ft Wellbore Radius: 0.1667 ft
Screen Length: 15. ft Gravel Pack Porosity: 1.

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 0.001215 cm/sec y0 = 0.4692 ft



WELL TEST ANALYSIS

Data Set: \...\22D.aqt
Date: 03/08/10 Time: 09:05:46

PROJECT INFORMATION

Company: AMEC Geomatrix
Client: RG&E
Project: 12661.004
Test Location: West Station
Test Well: GMX-MW-22D
Test Date: December 2009

AQUIFER DATA

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

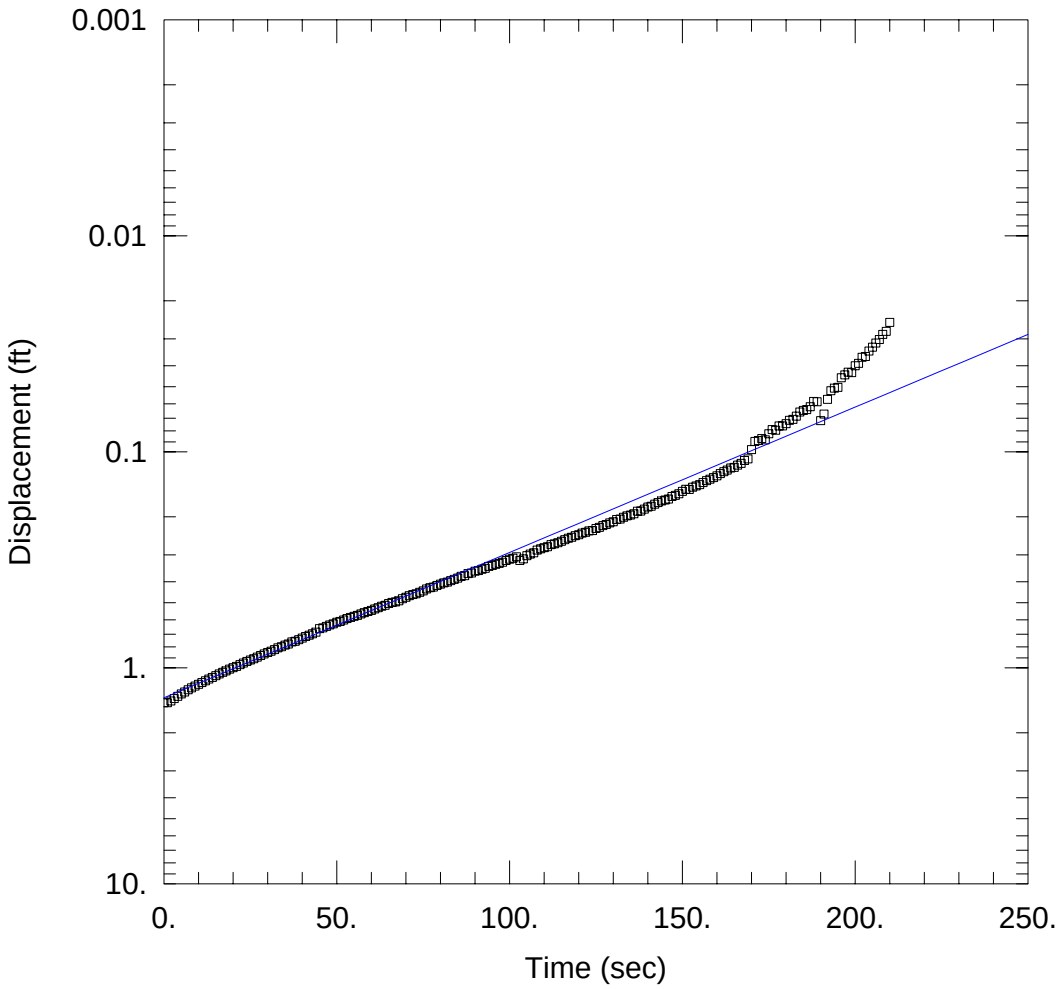
WELL DATA (GMX-MW-22D)

Initial Displacement: 6.171 ft Water Column Height: 31.75 ft
Casing Radius: 0.1667 ft Wellbore Radius: 0.1667 ft
Screen Length: 15. ft Gravel Pack Porosity: 1.

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 1.993E-05 cm/sec y0 = 5.827 ft



WELL TEST ANALYSIS

Data Set: \...\23I.aqt
Date: 03/08/10 Time: 09:47:47

PROJECT INFORMATION

Company: AMEC Geomatrix
Client: RG&E
Project: 12661.004
Test Location: West Station
Test Well: GMX-MW-23I
Test Date: December 2009

AQUIFER DATA

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

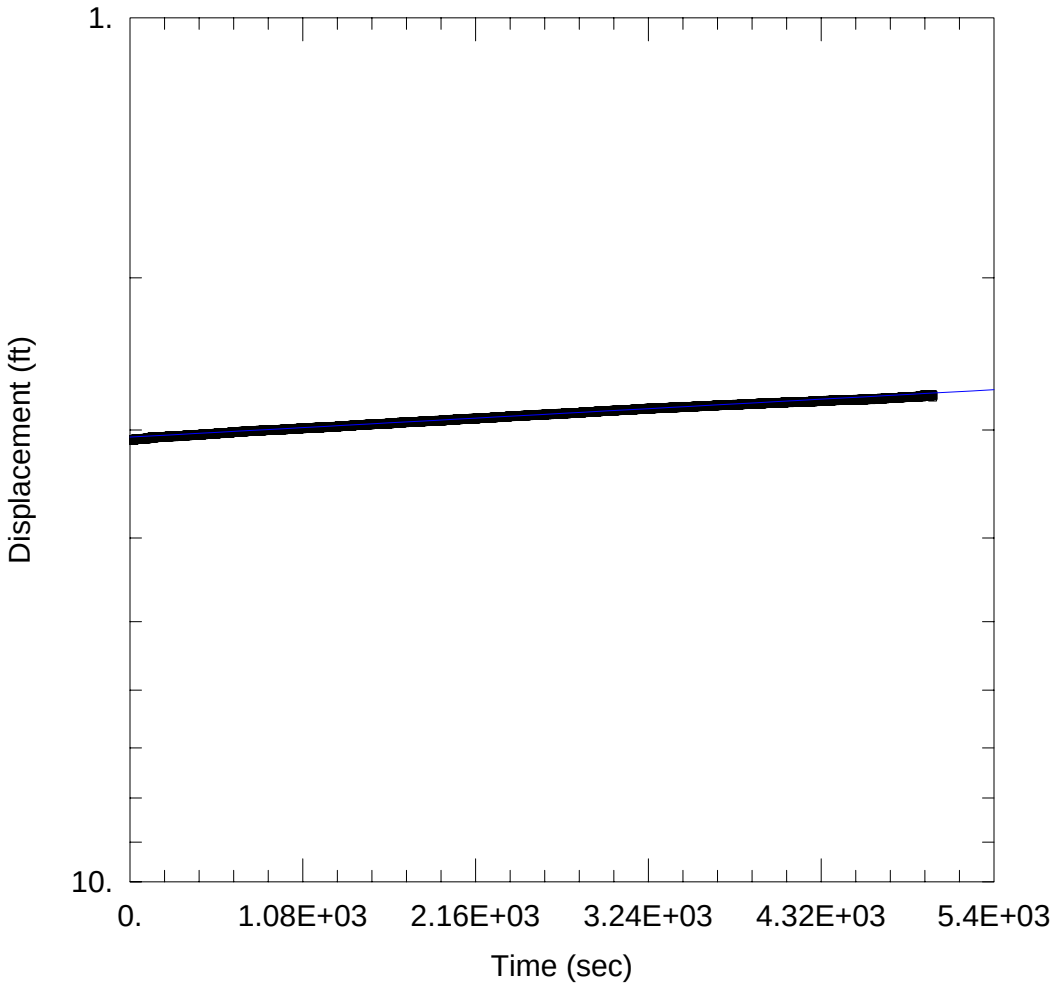
WELL DATA (GMX-MW-23I)

Initial Displacement: 1.451 ft Water Column Height: 47.5 ft
Casing Radius: 0.0833 ft Wellbore Radius: 0.3437 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.1

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 0.001471 cm/sec y0 = 1.377 ft



WELL TEST ANALYSIS

Data Set: \...\24D.aqt
Date: 03/08/10 Time: 09:03:45

PROJECT INFORMATION

Company: AMEC Geomatrix
Client: RG&E
Project: 12661.004
Test Location: West Station
Test Well: GMX-MW-24D
Test Date: December 2009

AQUIFER DATA

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

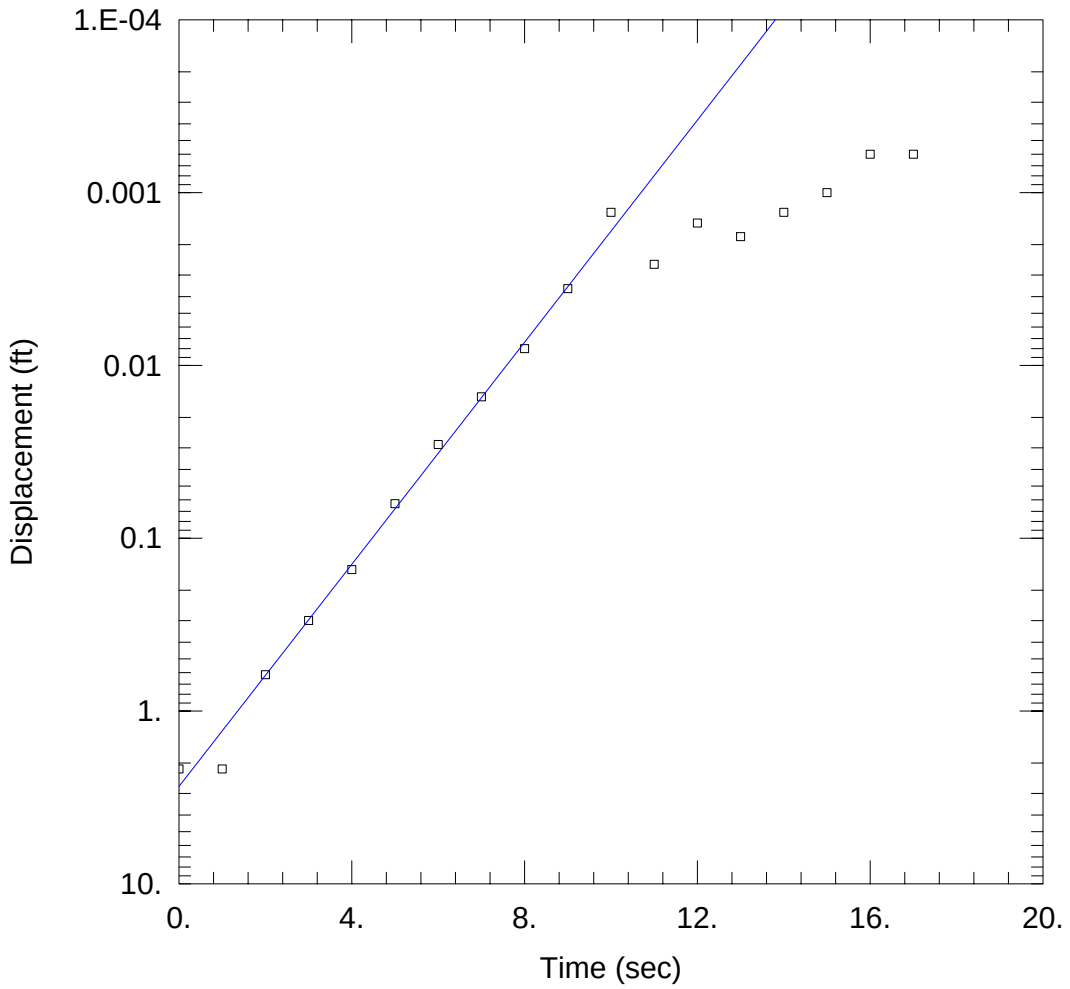
WELL DATA (GMX-MW-24D)

Initial Displacement: 3.082 ft Water Column Height: 24.23 ft
Casing Radius: 0.1667 ft Wellbore Radius: 0.1667 ft
Screen Length: 15. ft Gravel Pack Porosity: 1.

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 2.488E-06 cm/sec y0 = 3.057 ft



WELL TEST ANALYSIS

Data Set: \...\24s.aqt
Date: 03/08/10 Time: 09:48:29

PROJECT INFORMATION

Company: AMEC Geomatrix
Client: RG&E
Project: 12661.004
Test Location: West Station
Test Well: GMX-MW-24S
Test Date: December 2009

AQUIFER DATA

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

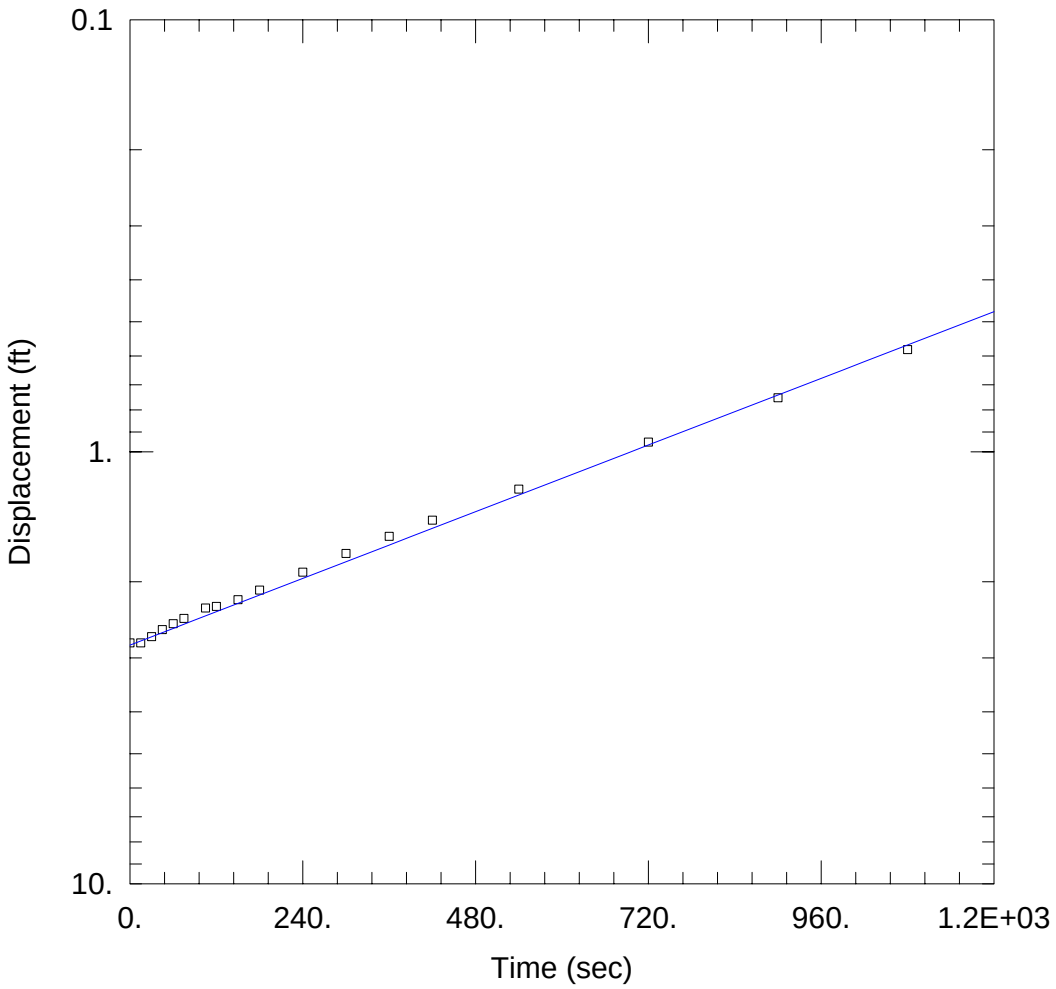
WELL DATA (GMX-MW-24S)

Initial Displacement: 2.164 ft Water Column Height: 5.79 ft
Casing Radius: 0.0833 ft Wellbore Radius: 0.3437 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.1

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 0.04022 cm/sec y0 = 2.735 ft



WELL TEST ANALYSIS

Data Set: \...\25D.aqt
Date: 03/08/10 Time: 09:02:14

PROJECT INFORMATION

Company: AMEC Geomatrix
Client: RG&E
Project: 12661.004
Test Location: West Station
Test Well: GMX-MW-25D
Test Date: December 2009

AQUIFER DATA

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

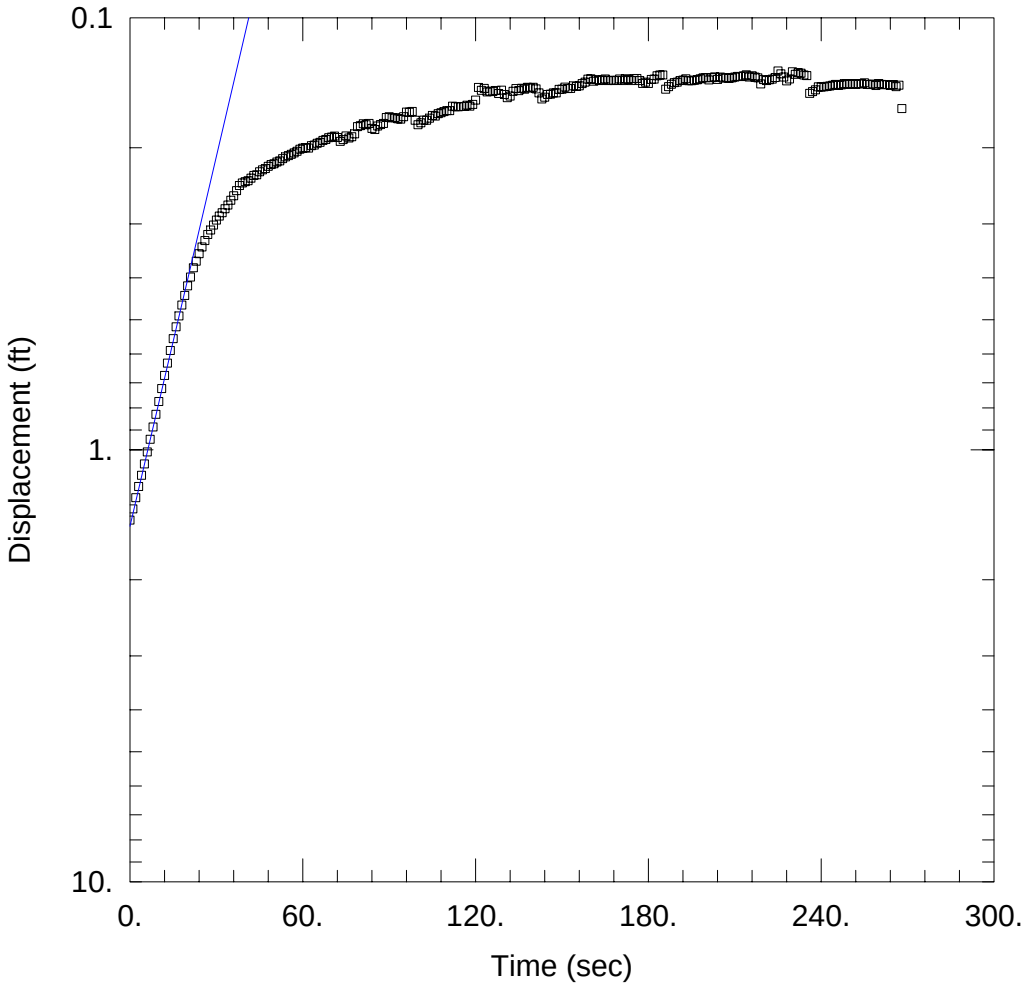
WELL DATA (GMX-MW-25D)

Initial Displacement: 2.77 ft Water Column Height: 28.95 ft
Casing Radius: 0.1667 ft Wellbore Radius: 0.1667 ft
Screen Length: 15. ft Gravel Pack Porosity: 1.

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice

K = 0.0001622 cm/sec y0 = 2.802 ft



WELL TEST ANALYSIS

Data Set: \...\25S.aqt
Date: 03/08/10 Time: 09:49:51

PROJECT INFORMATION

Company: AMEC Geomatrix
Client: RG&E
Project: 12661.004
Test Location: West Station
Test Well: GMX-MW-25S
Test Date: December 2009

AQUIFER DATA

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

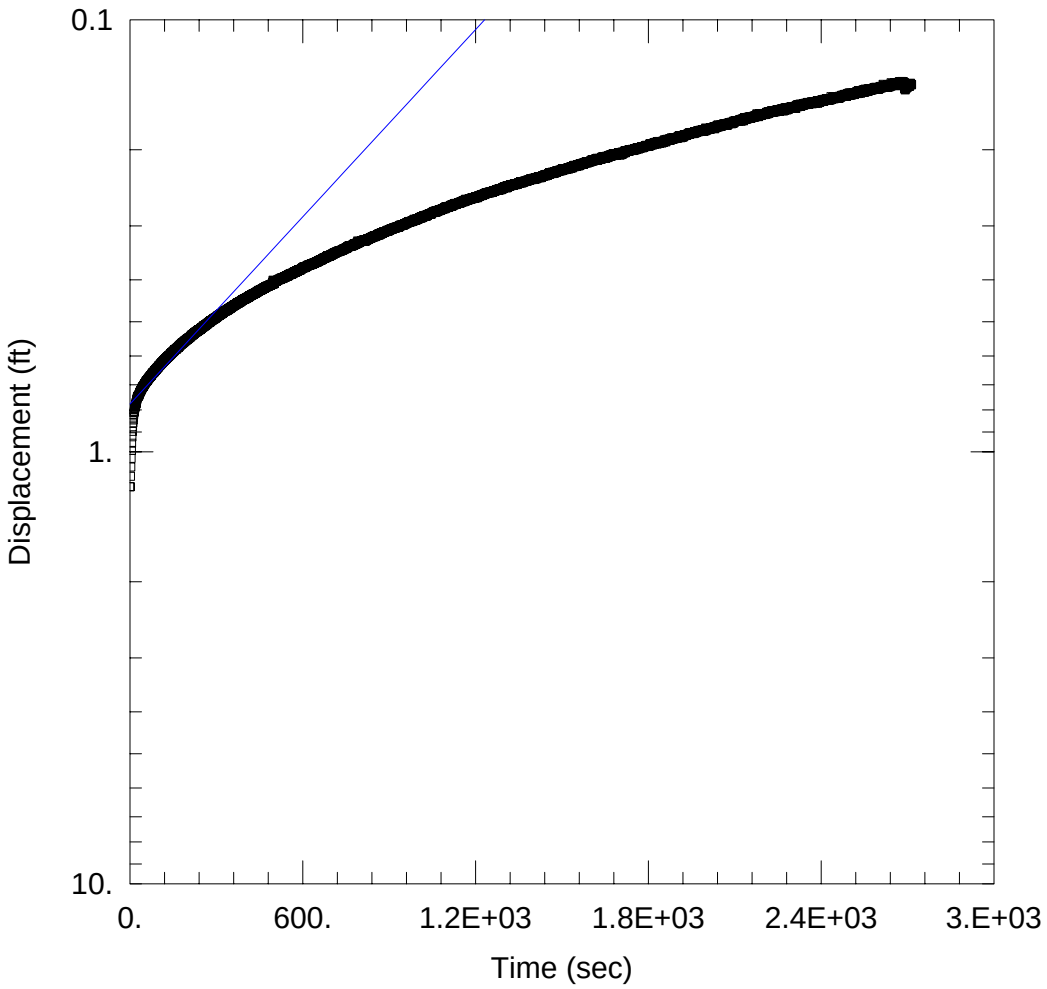
WELL DATA (GMX-MW-25S)

Initial Displacement: 1.455 ft Water Column Height: 9.62 ft
Casing Radius: 0.0833 ft Wellbore Radius: 0.3437 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.1

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 0.004362 cm/sec y0 = 1.502 ft



WELL TEST ANALYSIS

Data Set: \...\MW106.aqt
Date: 03/08/10 Time: 09:51:12

PROJECT INFORMATION

Company: AMEC Geomatrix
Client: RG&E
Project: 12661.004
Test Location: West Station
Test Well: MW106
Test Date: December 2009

AQUIFER DATA

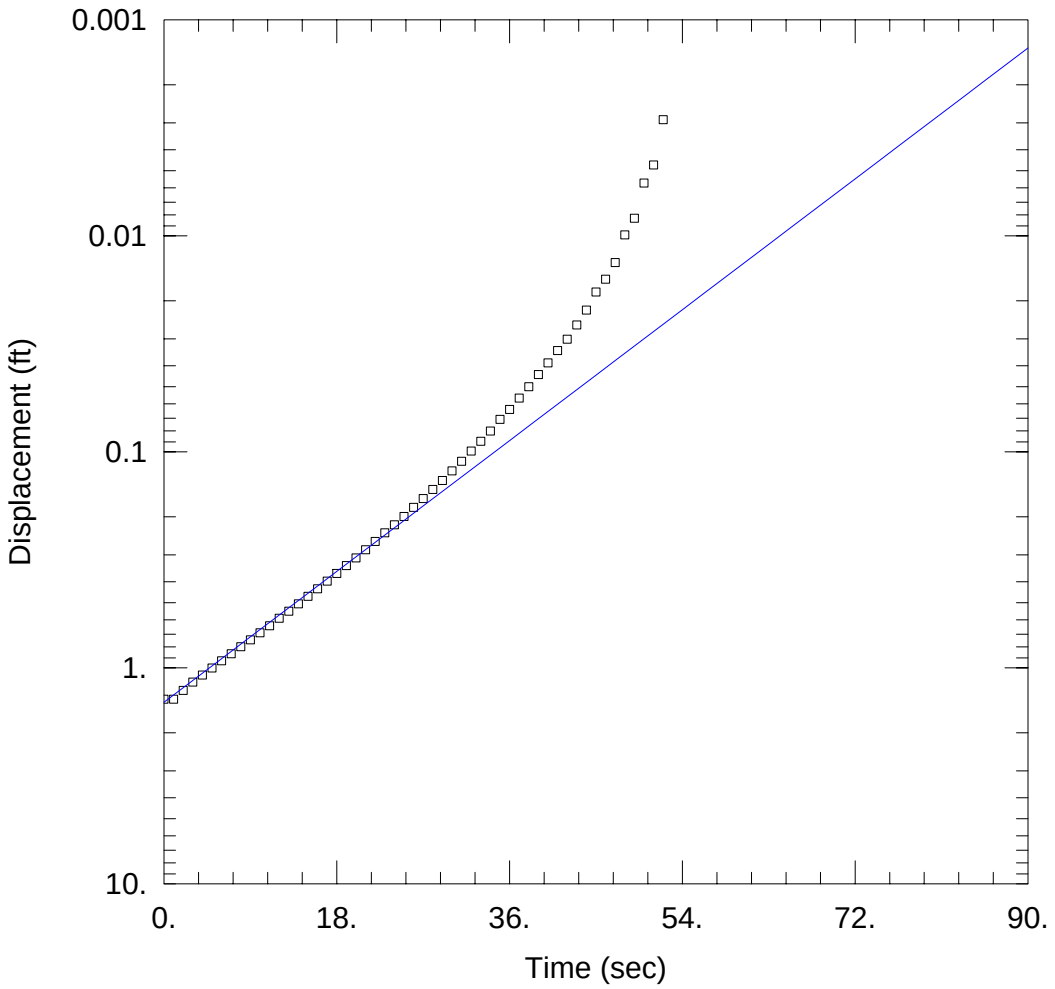
Saturated Thickness: 5. ft Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA (MW106)

Initial Displacement: 1.204 ft Water Column Height: 6.07 ft
Casing Radius: 0.0833 ft Wellbore Radius: 0.3437 ft
Screen Length: 5. ft Gravel Pack Porosity: 0.1

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.0001888 cm/sec y0 = 0.7754 ft



WELL TEST ANALYSIS

Data Set: \...\MW201.aqt
Date: 03/08/10 Time: 09:41:23

PROJECT INFORMATION

Company: AMEC Geomatrix
Client: RG&E
Project: 12661.004
Test Location: West Station
Test Well: MW201
Test Date: December 2009

AQUIFER DATA

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

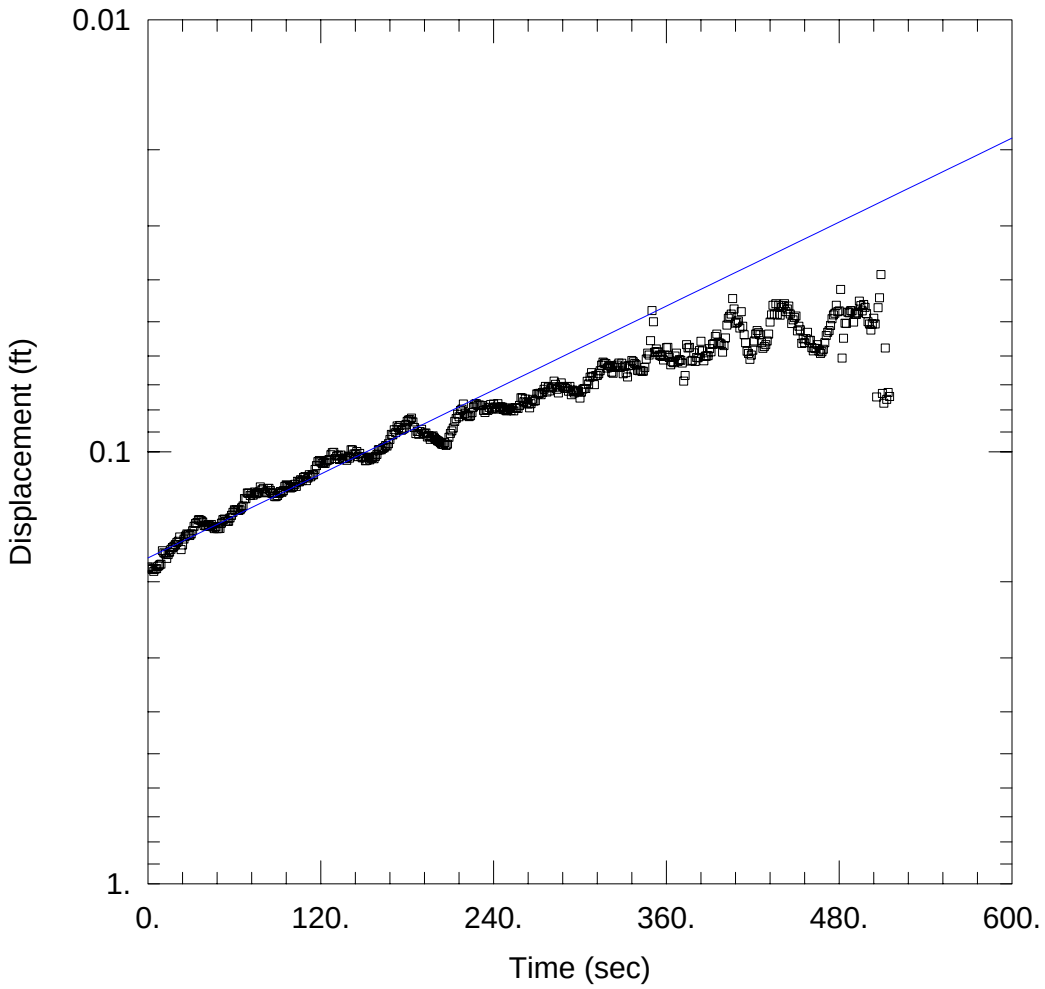
WELL DATA (MW201)

Initial Displacement: 1.397 ft Water Column Height: 4.49 ft
Casing Radius: 0.0833 ft Wellbore Radius: 0.3437 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.1

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 0.003888 cm/sec y0 = 1.445 ft



WELL TEST ANALYSIS

Data Set: \...\MW201d.aqt
Date: 03/17/10 Time: 15:19:22

PROJECT INFORMATION

Company: AMEC Geomatrix
Client: RG&E
Project: 12661.004
Test Location: West Station
Test Well: MW201D
Test Date: December 2009

AQUIFER DATA

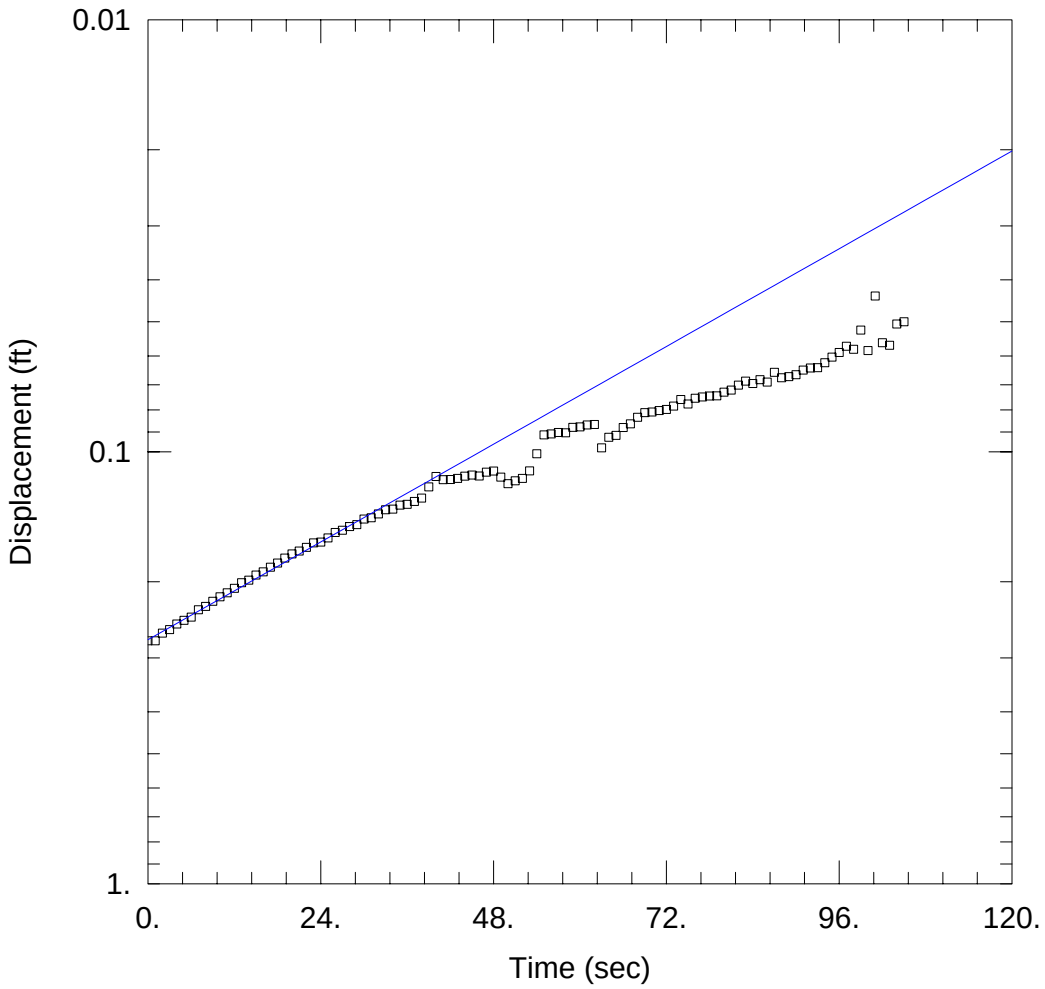
Saturated Thickness: 23. ft Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA (MW201D)

Initial Displacement: 0.1849 ft Water Column Height: 23. ft
Casing Radius: 0.0833 ft Wellbore Radius: 0.3437 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.1

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.0004111 cm/sec y0 = 0.1761 ft



WELL TEST ANALYSIS

Data Set: \...\MW201s.aqt
Date: 03/17/10 Time: 15:15:44

PROJECT INFORMATION

Company: AMEC Geomatrix
Client: RG&E
Project: 12661.004
Test Location: West Station
Test Well: MW201S
Test Date: December 2009

AQUIFER DATA

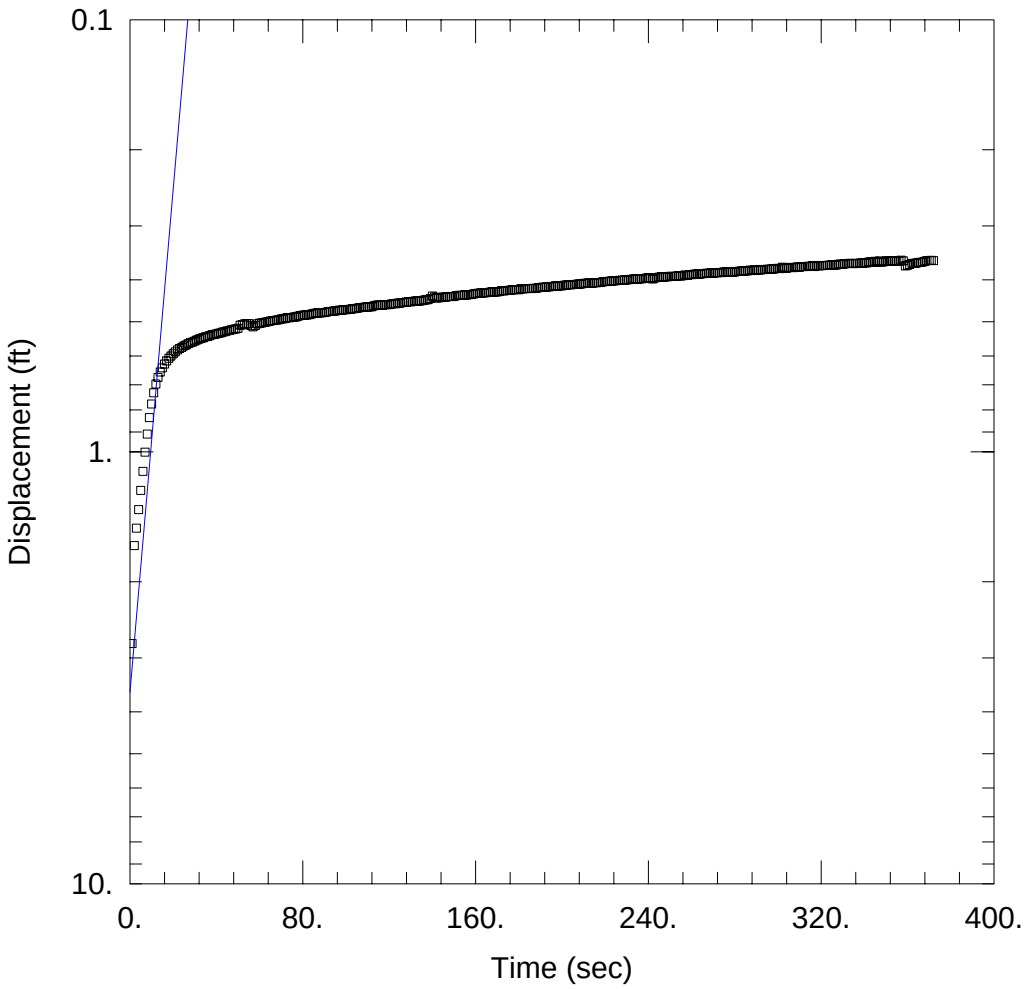
Saturated Thickness: 23. ft Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA (MW201S)

Initial Displacement: 0.2738 ft Water Column Height: 23. ft
Casing Radius: 0.0833 ft Wellbore Radius: 0.3437 ft
Screen Length: 10. ft Gravel Pack Porosity: 0.1

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 0.002392 cm/sec y0 = 0.2723 ft



WELL TEST ANALYSIS

Data Set: \...\P32.aqt
Date: 03/08/10 Time: 09:40:52

PROJECT INFORMATION

Company: AMEC Geomatrix
Client: RG&E
Project: 12661.004
Test Location: West Station
Test Well: P32
Test Date: December 2009

AQUIFER DATA

Saturated Thickness: 5. ft Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA (P32)

Initial Displacement: 2.779 ft Water Column Height: 7.57 ft
Casing Radius: 0.0833 ft Wellbore Radius: 0.3437 ft
Screen Length: 5. ft Gravel Pack Porosity: 0.1

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 0.0161 cm/sec y0 = 3.602 ft