

WELL TEST ANALYSIS

Data Set: M:\...\MW4-15-D.aqt
 Date: 08/14/15

Time: 14:12:49

PROJECT INFORMATION

Company: Stantec Consulting
 Client: Hydro One
 Project: 160900764
 Location: Clarington TS
 Test Well: MW4-15-D
 Test Date: August 12, 2015

AQUIFER DATA

Saturated Thickness: 6.59 m

Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (MW4-15-D)

Initial Displacement: 2.051 m
 Total Well Penetration Depth: 6.59 m
 Casing Radius: 0.02425 m

Static Water Column Height: 6.59 m
 Screen Length: 3.05 m
 Well Radius: 0.02425 m
 Gravel Pack Porosity: 0.3

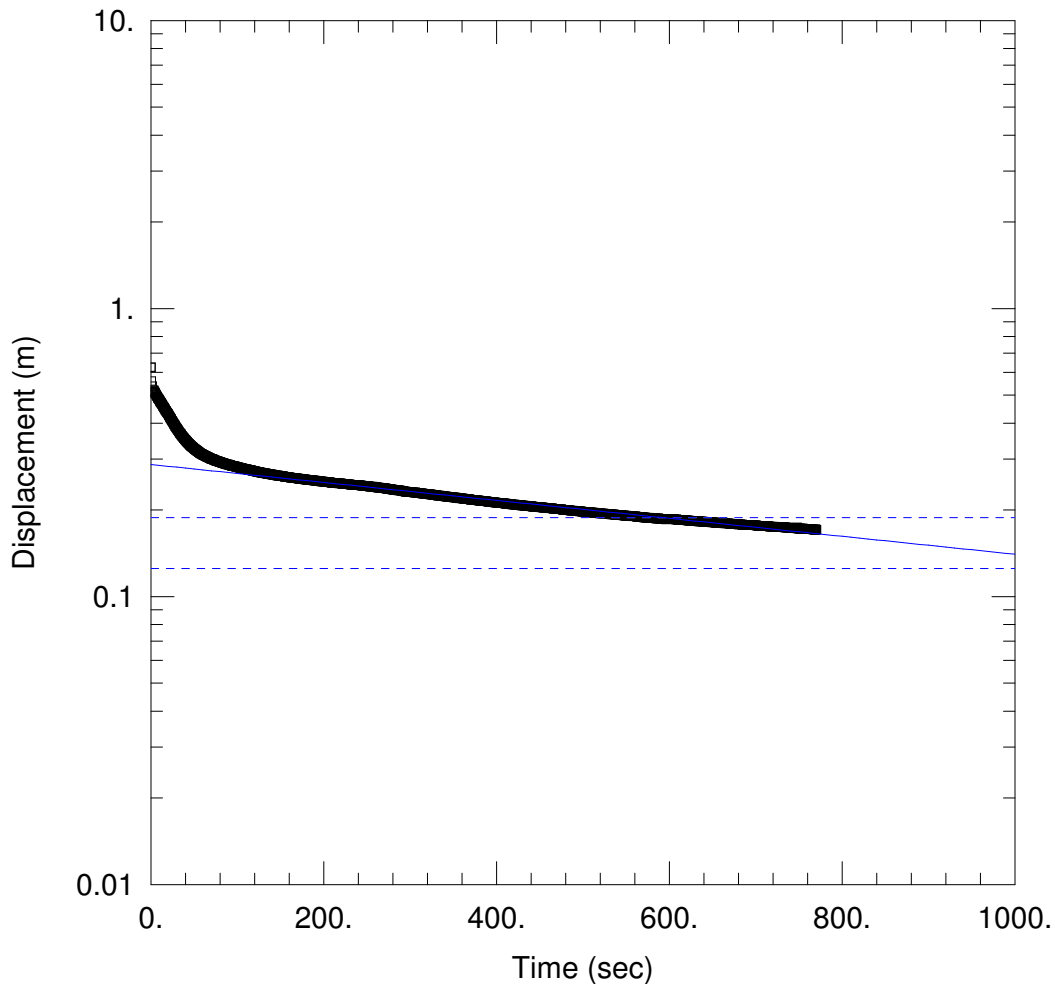
SOLUTION

Aquifer Model: Unconfined

Solution Method: Bouwer-Rice

K = 2.8E-10 m/sec

y0 = 5.129 m



RISING HEAD TEST

Data Set: \...\MW5-14S2_test 1.aqt
 Date: 05/29/15

Time: 12:59:27

PROJECT INFORMATION

Company: Stantec Consulting
 Client: Hydro One
 Project: 160900764
 Location: Clarington TS
 Test Well: MW5-14S2
 Test Date: 24-May-15

AQUIFER DATA

Saturated Thickness: 1.5 m

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW2-13S)

Initial Displacement: 0.6257 m
 Total Well Penetration Depth: 1.52 m
 Casing Radius: 0.0254 m

Static Water Column Height: 1.5 m
 Screen Length: 1.52 m
 Well Radius: 0.1048 m
 Gravel Pack Porosity: 0.

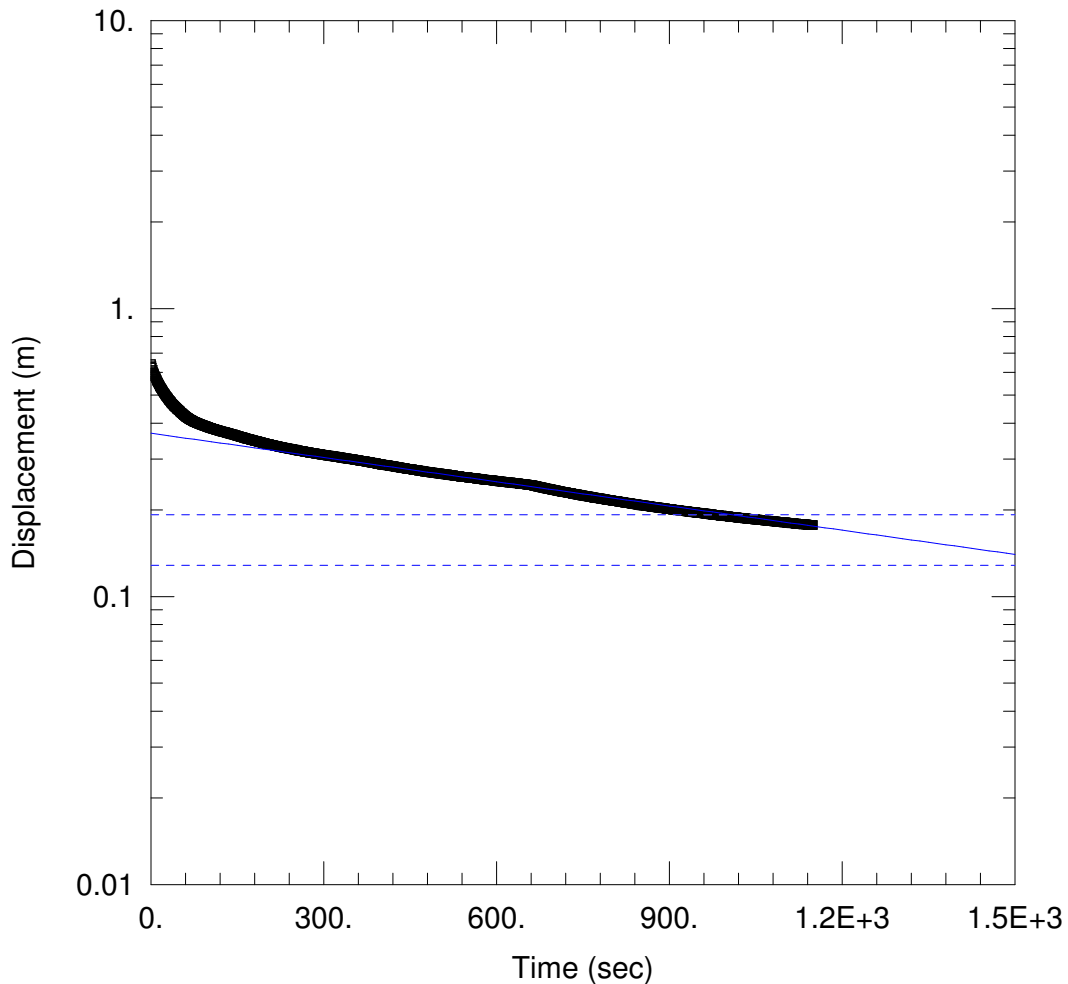
SOLUTION

Aquifer Model: Unconfined

Solution Method: Bouwer-Rice

K = 3.0E-7 m/sec

y0 = 0.2873 m



RISING HEAD TEST

Data Set: \...\MW5-14S2_test 2.aqt
Date: 05/29/15

Time: 13:00:58

PROJECT INFORMATION

Company: Stantec Consulting
Client: Hydro One
Project: 160900764
Location: Clarington TS
Test Well: MW5-14S2
Test Date: 24-May-15

AQUIFER DATA

Saturated Thickness: 1.5 m

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW2-13S)

Initial Displacement: 0.6412 m
Total Well Penetration Depth: 1.52 m
Casing Radius: 0.0254 m

Static Water Column Height: 1.5 m
Screen Length: 1.52 m
Well Radius: 0.1048 m
Gravel Pack Porosity: 0.

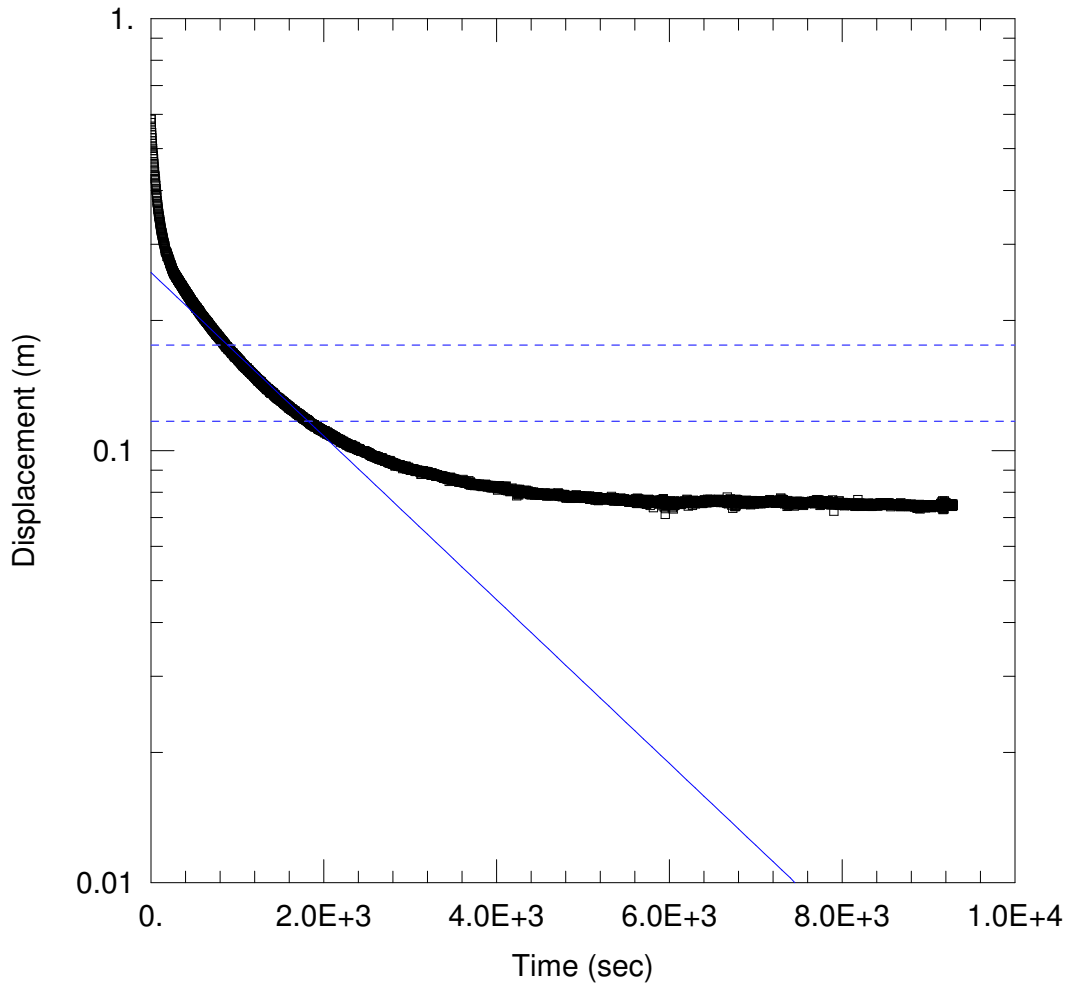
SOLUTION

Aquifer Model: Unconfined

Solution Method: Bouwer-Rice

K = 2.7E-7 m/sec

y0 = 0.3688 m



WELL TEST ANALYSIS

Data Set: M:\...\MW5-15-D.aqt
 Date: 08/14/15

Time: 13:37:24

PROJECT INFORMATION

Company: Stantec Consulting
 Client: Hydro One
 Project: 160900764
 Location: Clarington TS
 Test Well: MW5-14-D
 Test Date: August 12, 2015

AQUIFER DATA

Saturated Thickness: 55.84 m

Anisotropy Ratio (Kz/Kr): 0.5

WELL DATA (MW5-14-D)

Initial Displacement: 0.5847 m
 Total Well Penetration Depth: 14.23 m
 Casing Radius: 0.02425 m

Static Water Column Height: 39.71 m
 Screen Length: 1.52 m
 Well Radius: 0.02425 m

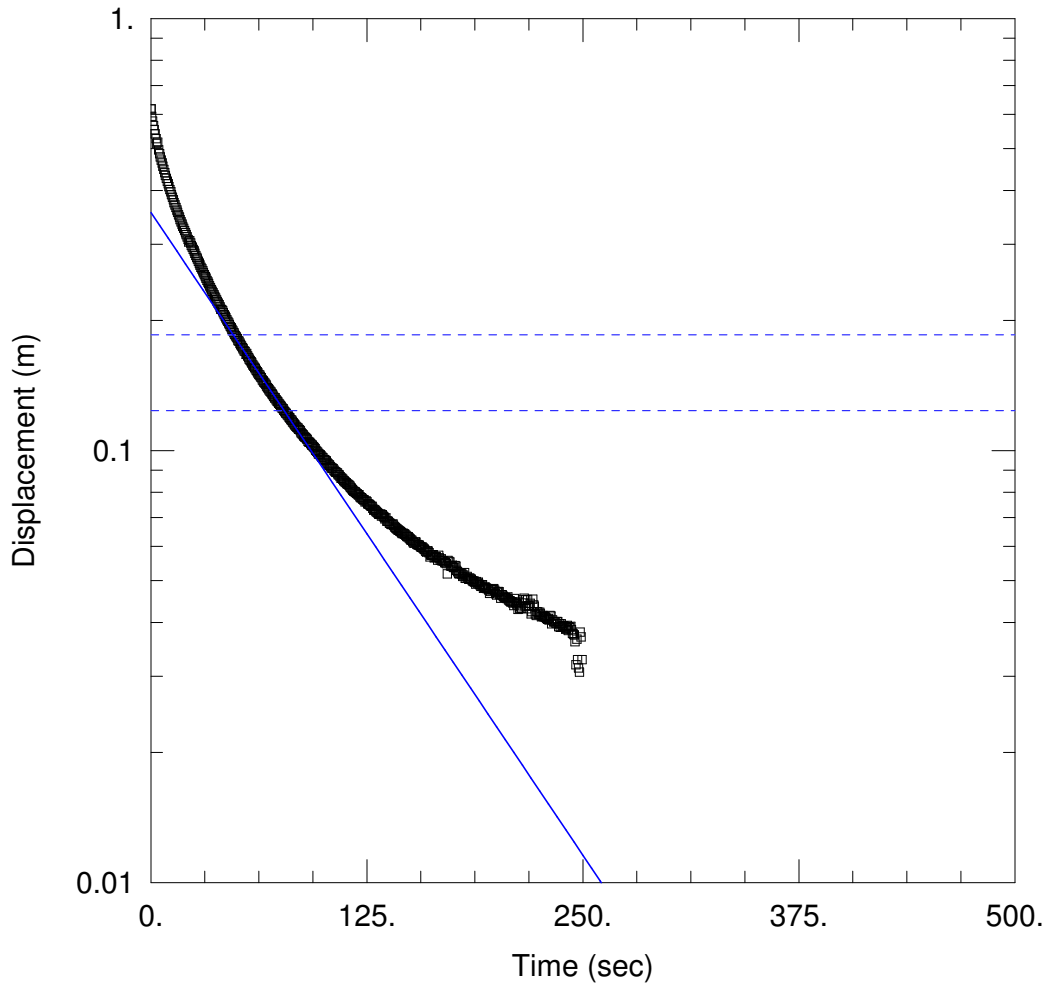
SOLUTION

Aquifer Model: Unconfined

Solution Method: Bouwer-Rice

K = 3.3E-7 m/sec

y0 = 0.2584 m



RISING HEAD RECOVERY TEST

Data Set: M:\...\MW8-15_rising head test 1.aqt

Date: 02/20/15

Time: 09:13:26

PROJECT INFORMATION

Company: Stantec

Client: Hydro One

Project: 160900764

Test Well: MW8-15

Test Date: Feb 3, 2015

AQUIFER DATA

Saturated Thickness: 1.52 m

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW8-15)

Initial Displacement: 0.618 m

Static Water Column Height: 14.13 m

Total Well Penetration Depth: 1.52 m

Screen Length: 1.52 m

Casing Radius: 0.0254 m

Well Radius: 0.0613 m

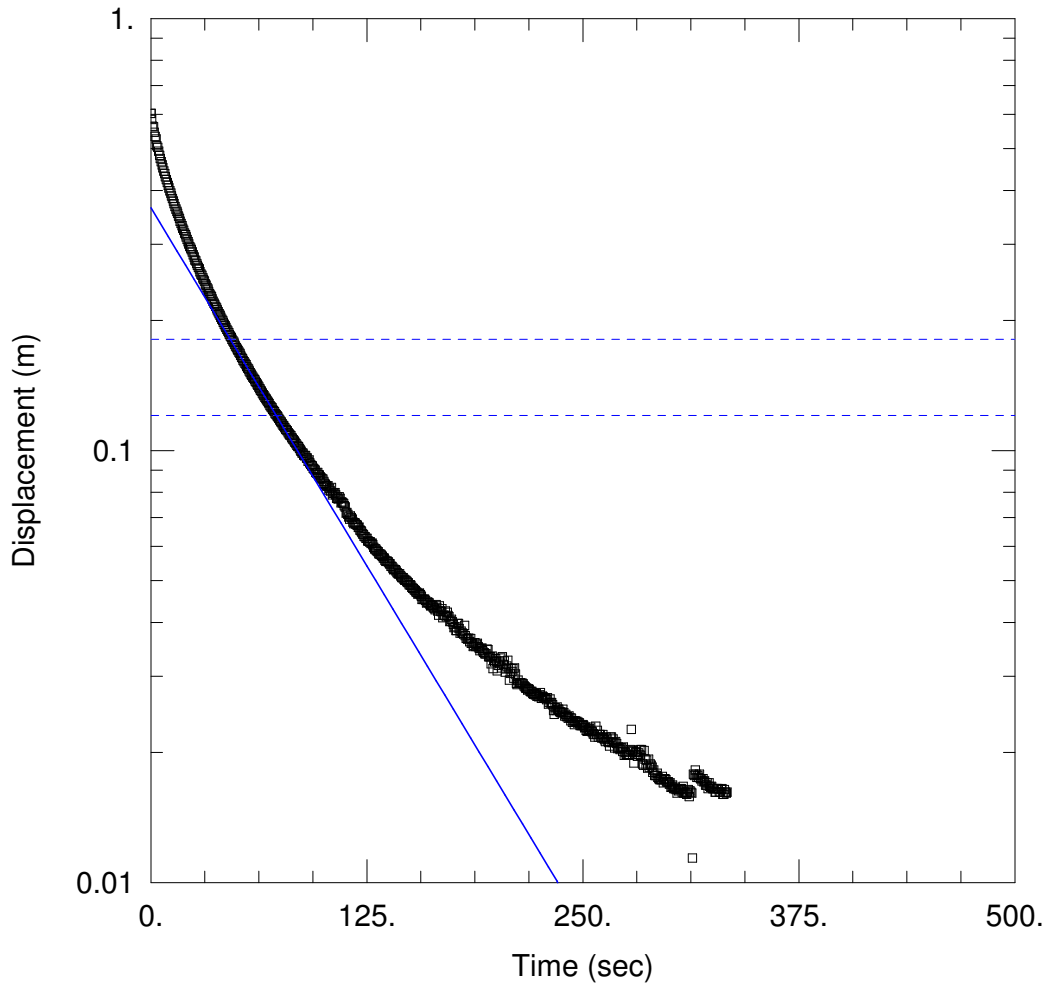
SOLUTION

Aquifer Model: Confined

Solution Method: Bouwer-Rice

$K = 7.0E-6$ m/sec

$y_0 = 0.3555$ m



RISING HEAD RECOVERY TEST

Data Set: M:\...\MW8-15_rising head test 2.aqt

Date: 02/20/15

Time: 09:17:57

PROJECT INFORMATION

Company: Stantec

Client: Hydro One

Project: 160900764

Test Well: MW8-15

Test Date: Feb 3, 2015

AQUIFER DATA

Saturated Thickness: 1.52 m

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW8-15)

Initial Displacement: 0.6027 m

Static Water Column Height: 14.13 m

Total Well Penetration Depth: 1.52 m

Screen Length: 1.52 m

Casing Radius: 0.0254 m

Well Radius: 0.0613 m

SOLUTION

Aquifer Model: Confined

Solution Method: Bouwer-Rice

K = 7.8E-6 m/sec

y0 = 0.3644 m