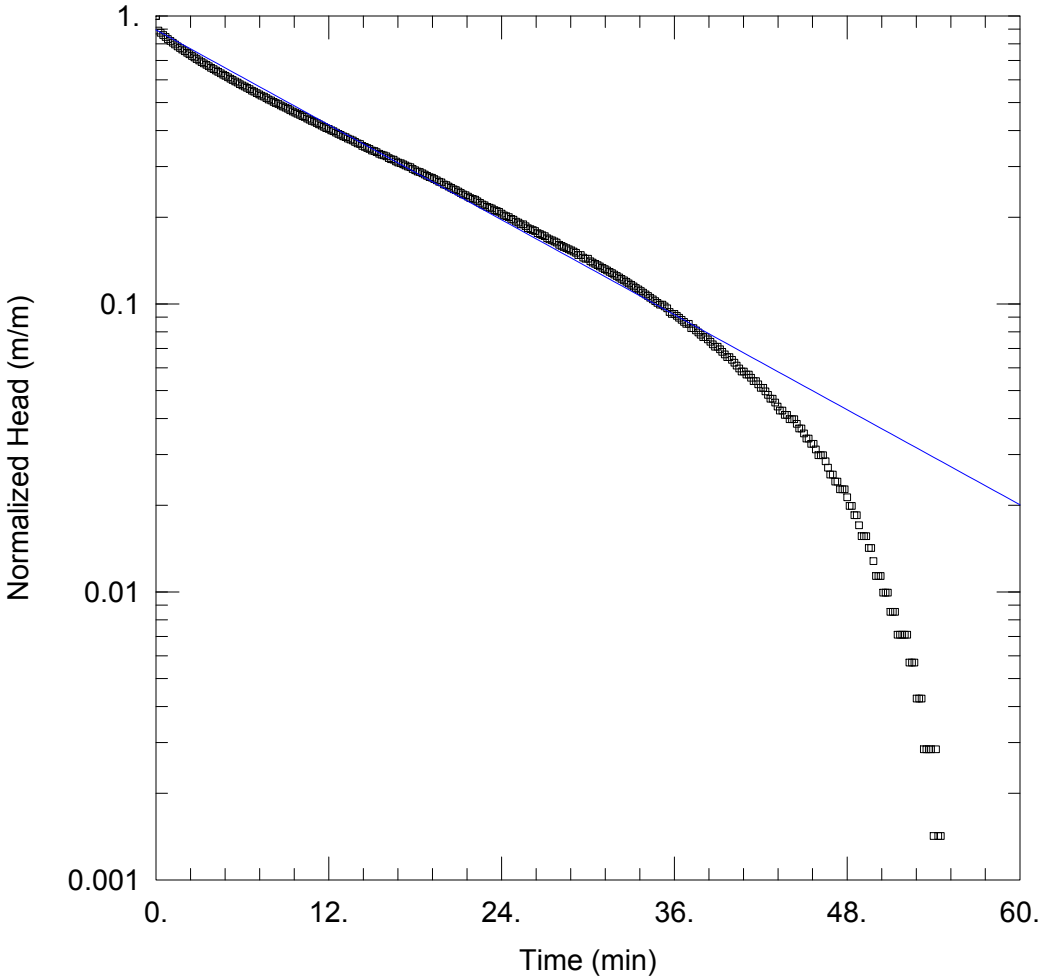


WELL TEST ANALYSIS

Data Set: C:\...\PPD01B Bouwer&Rice - Falling Head.aqt
Date: 11/28/19 Time: 09:53:46

PROJECT INFORMATION

Company: CDM Smith
Client: Bowen Coking Coal
Project: 1000398
Location: Queensland
Test Well: PPD01Bv1
Test Date: 30/04/2019

AQUIFER DATA

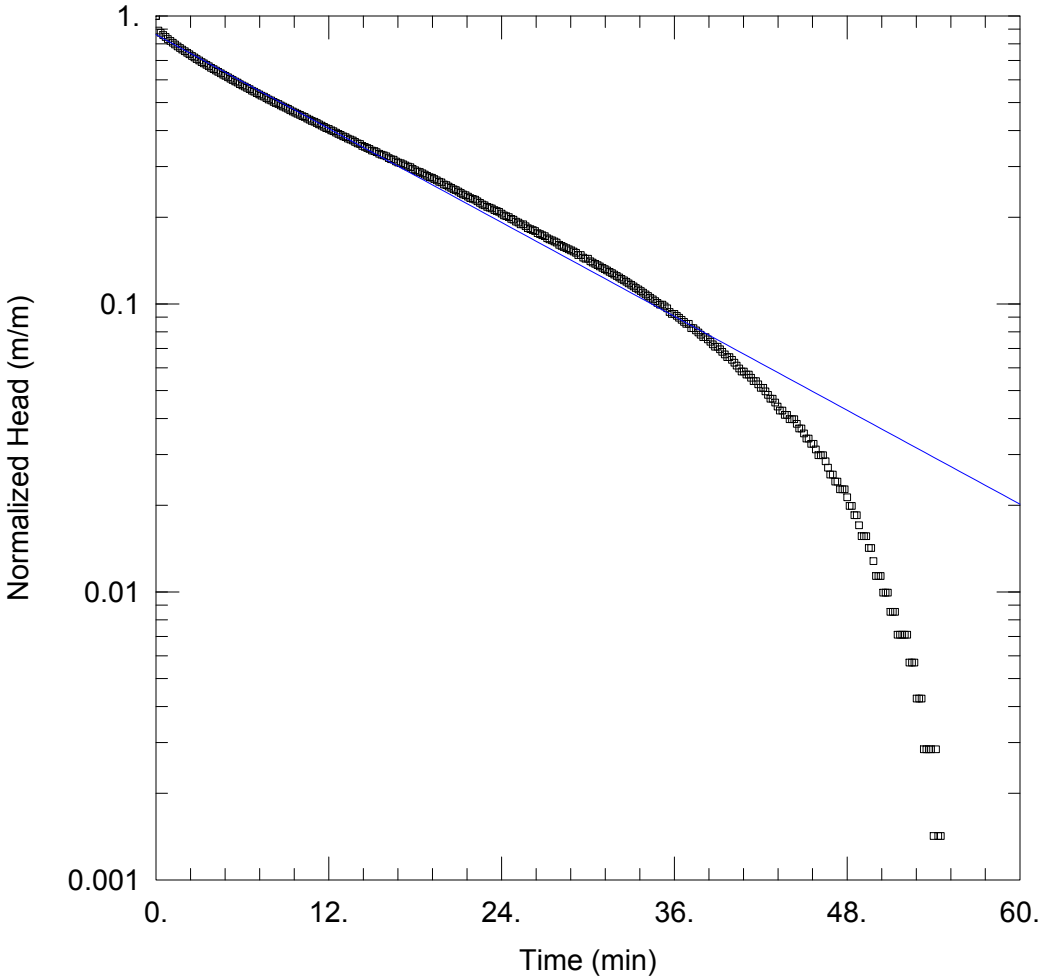
Saturated Thickness: 39.79 m
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (PPD01B)

Initial Displacement: 0.704 m
Total Well Penetration Depth: 79. m
Casing Radius: 0.025 m
Static Water Column Height: 39.79 m
Screen Length: 6. m
Well Radius: 0.025 m

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 0.02817 m/day
y0 = 0.6298 m



WELL TEST ANALYSIS

Data Set: C:\...\PPD01B Hvorslev - Falling Head.aqt
Date: 11/28/19 Time: 09:55:00

PROJECT INFORMATION

Company: CDM Smith
Client: Bowen Coking Coal
Project: 1000398
Location: Queensland
Test Well: PPD01Bv1
Test Date: 30/04/2019

AQUIFER DATA

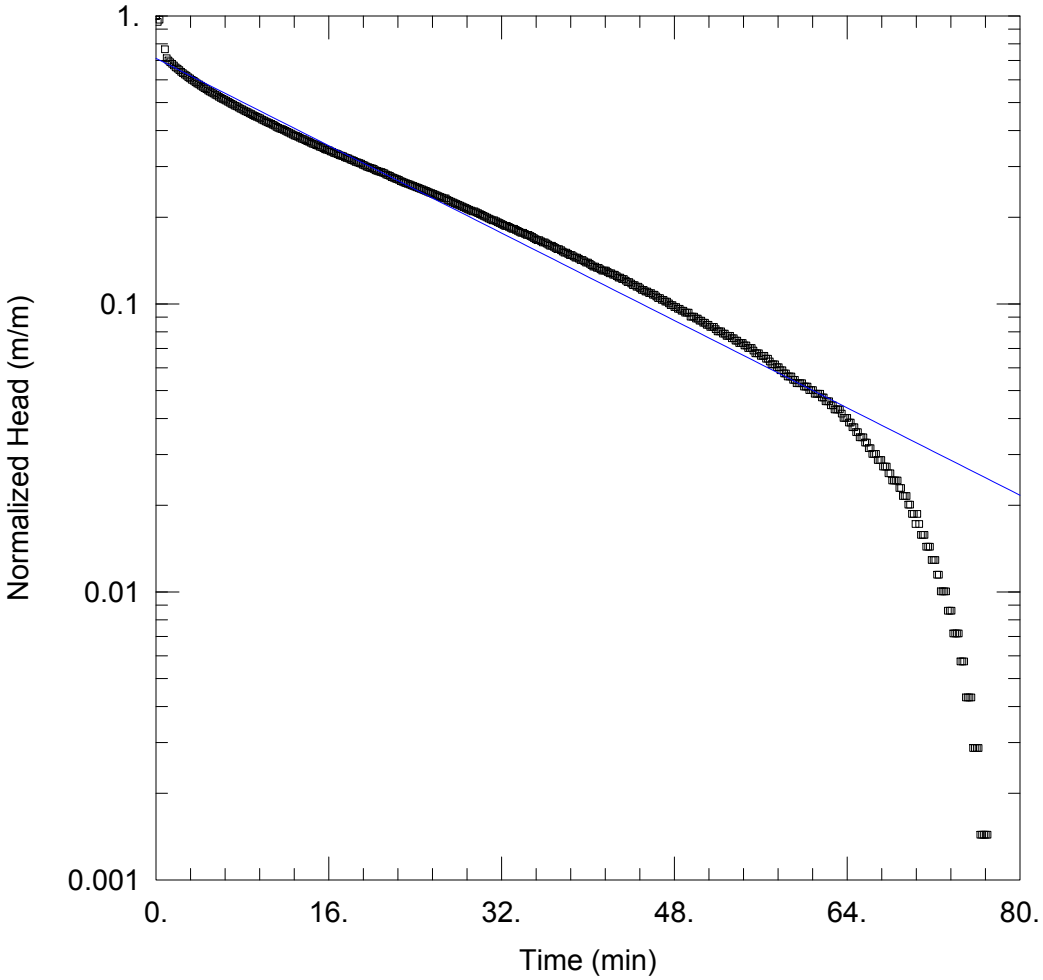
Saturated Thickness: 39.77 m
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (PPD01B)

Initial Displacement: 0.704 m
Static Water Column Height: 39.77 m
Total Well Penetration Depth: 79. m
Screen Length: 6. m
Casing Radius: 0.025 m
Well Radius: 0.025 m

SOLUTION

Aquifer Model: Confined
Solution Method: Hvorslev
K = 0.02897 m/day
y0 = 0.6062 m



WELL TEST ANALYSIS

Data Set: C:\...\PPD01B Bouwer&Rice - Rising Head.aqt
Date: 11/28/19 Time: 09:54:34

PROJECT INFORMATION

Company: CDM Smith
Client: Bowen Coking Coal
Project: 1000398
Location: Queensland
Test Well: PPD01B
Test Date: 30/04/2019

AQUIFER DATA

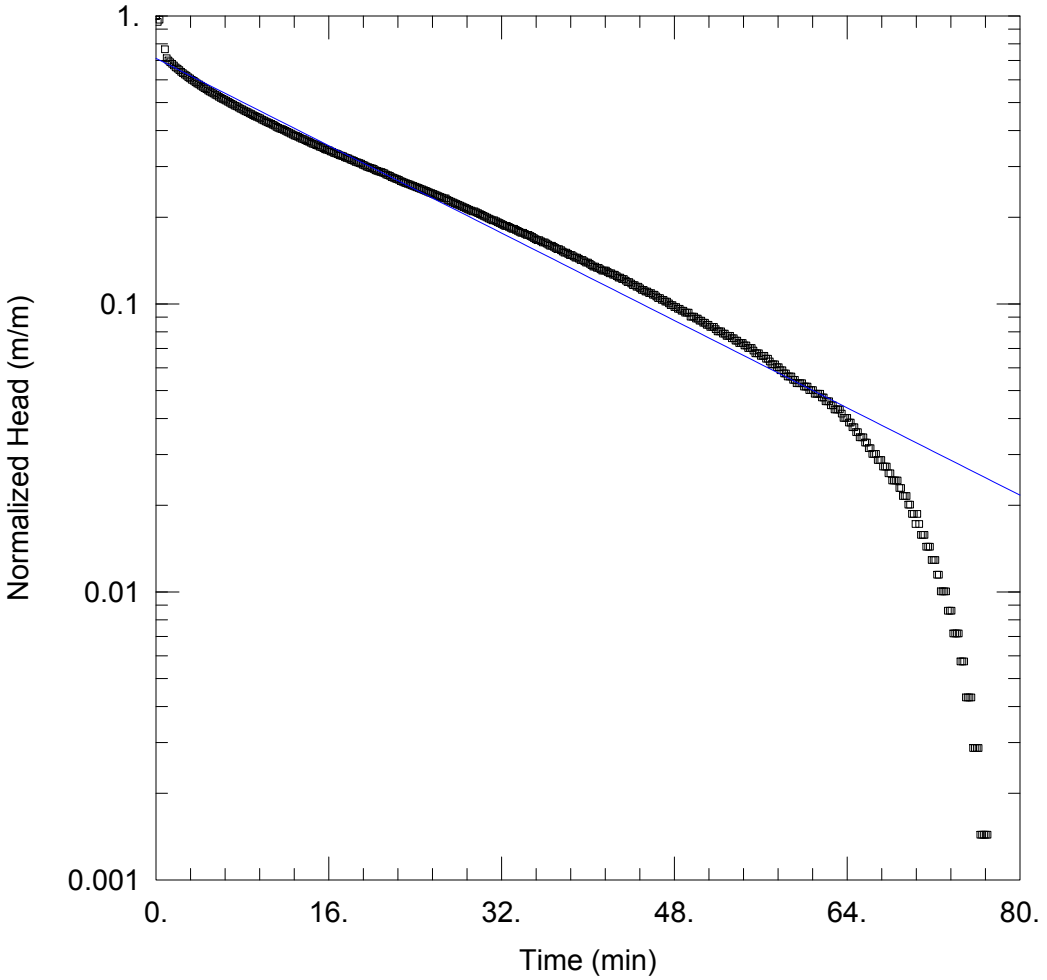
Saturated Thickness: 39.79 m
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (PPD01B)

Initial Displacement: 0.697 m
Static Water Column Height: 39.79 m
Total Well Penetration Depth: 79. m
Screen Length: 6. m
Casing Radius: 0.025 m
Well Radius: 0.025 m

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 0.01943 m/day
y0 = 0.4965 m



WELL TEST ANALYSIS

Data Set: C:\...\PPD01B Hvorslev - Rising Head.aqt
Date: 11/28/19 Time: 09:55:37

PROJECT INFORMATION

Company: CDM Smith
Client: Bowen Coking Coal
Project: 1000398
Location: Queensland
Test Well: PPD01B
Test Date: 30/04/2019

AQUIFER DATA

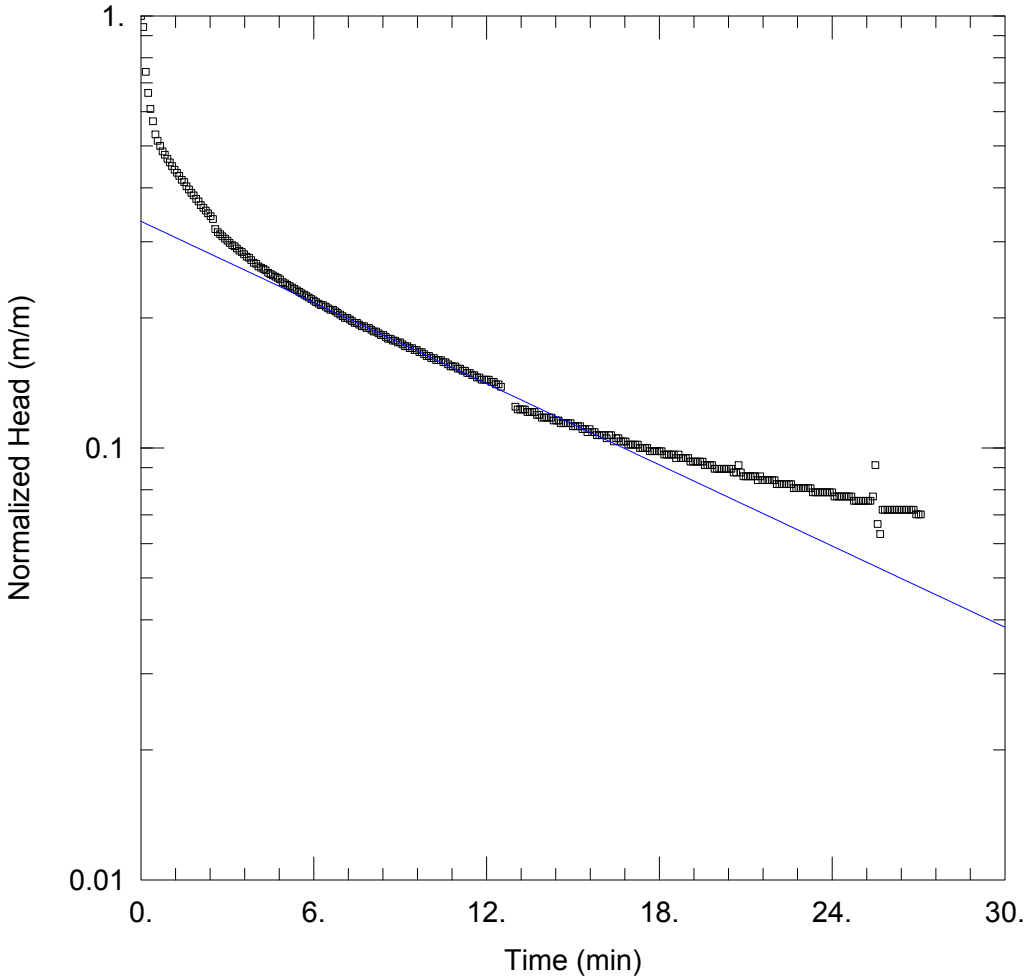
Saturated Thickness: 39.79 m Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (PPD01B)

Initial Displacement: 0.697 m Static Water Column Height: 39.79 m
Total Well Penetration Depth: 79. m Screen Length: 6. m
Casing Radius: 0.025 m Well Radius: 0.025 m

SOLUTION

Aquifer Model: Confined Solution Method: Hvorslev
K = 0.02021 m/day y0 = 0.4965 m



WELL TEST ANALYSIS

Data Set: C:\...\PPD02B Bouwer & Rice - Falling Head.aqt
Date: 11/28/19 Time: 09:56:45

PROJECT INFORMATION

Company: CDM Smith
Client: Bowen Coking Coal
Project: 1000398
Location: Queensland
Test Well: PPD02B
Test Date: 30/04/2019

AQUIFER DATA

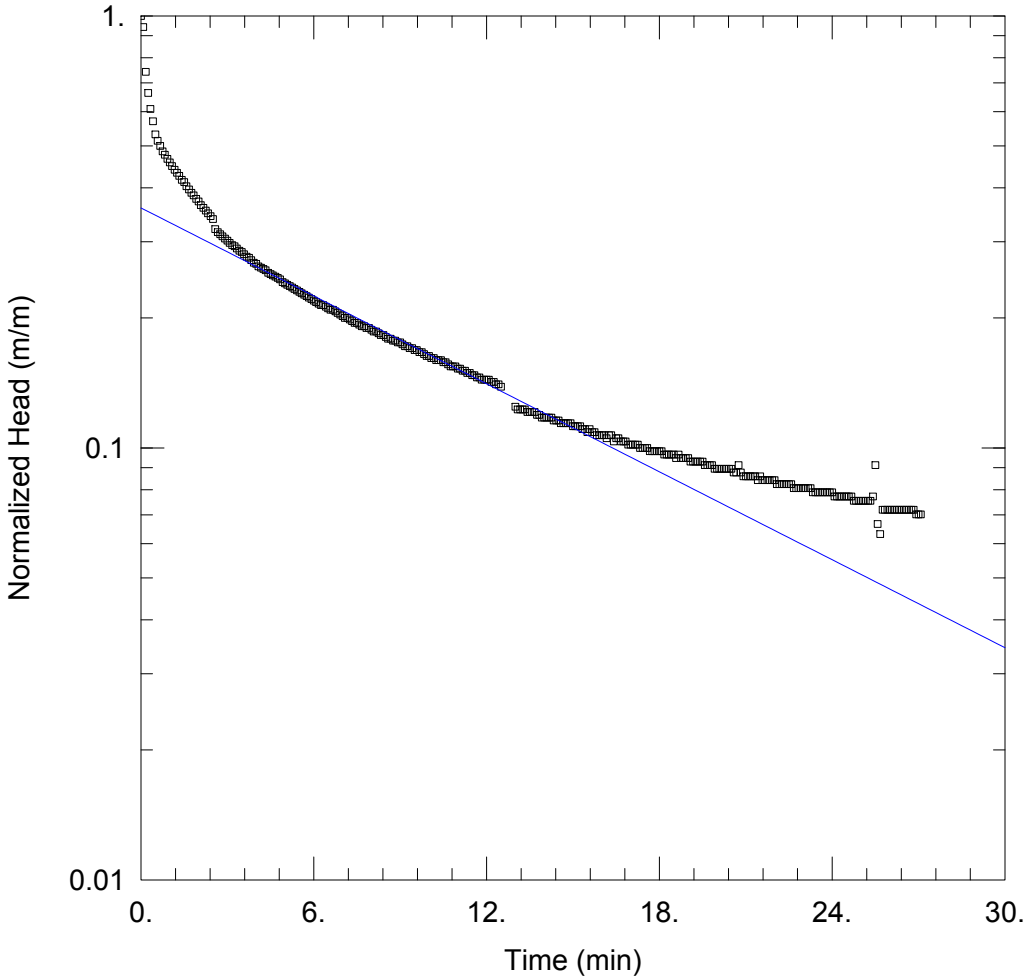
Saturated Thickness: 38.22 m
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (PPD02B)

Initial Displacement: 0.57 m
Total Well Penetration Depth: 55. m
Casing Radius: 0.025 m
Static Water Column Height: 38.22 m
Screen Length: 3. m
Well Radius: 0.025 m

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 0.05877 m/day
y0 = 0.1907 m



WELL TEST ANALYSIS

Data Set: C:\...\PPD02B Hvorslev - Falling Head.aqt
Date: 11/27/19 Time: 16:24:17

PROJECT INFORMATION

Company: CDM Smith
Client: Bowen Coking Coal
Project: 1000398
Location: Queensland
Test Well: PPD02B
Test Date: 30/04/2019

AQUIFER DATA

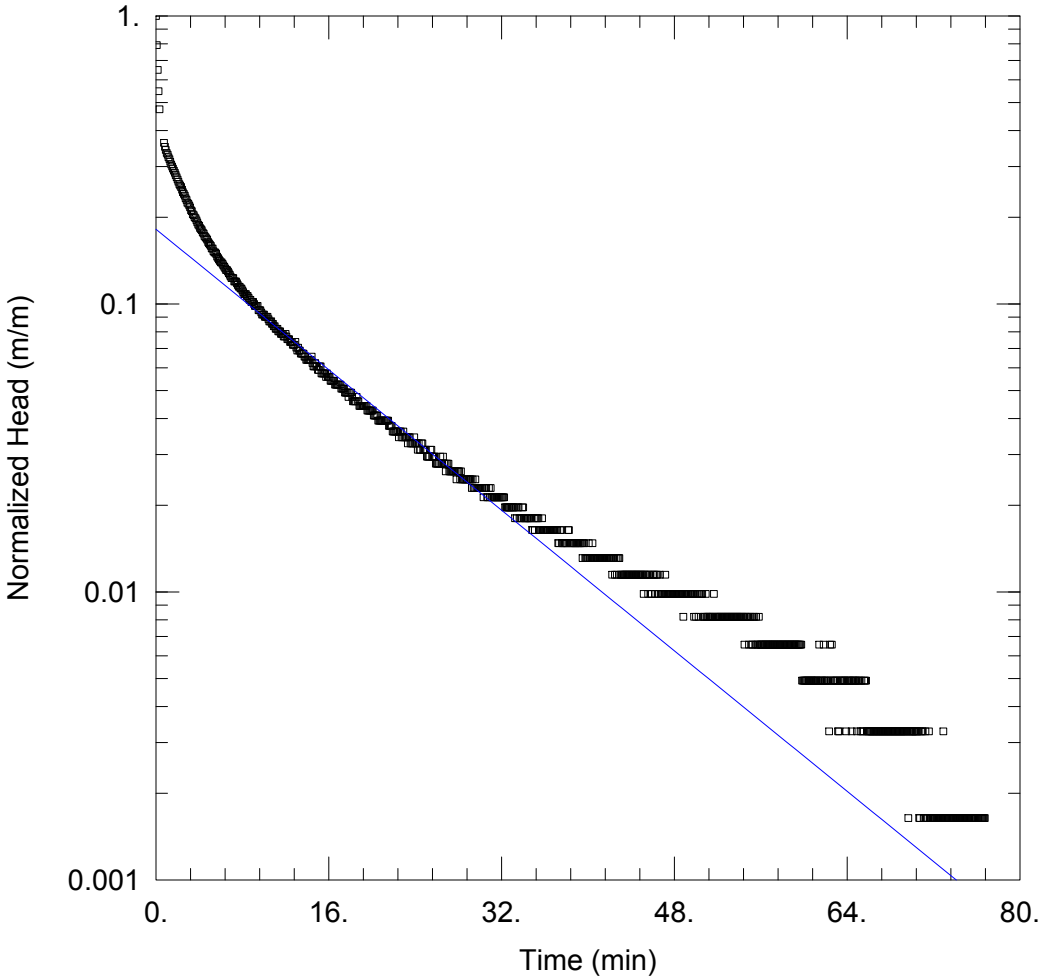
Saturated Thickness: 38.22 m Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (PPD02B)

Initial Displacement: 0.57 m
Total Well Penetration Depth: 55. m
Casing Radius: 0.025 m
Static Water Column Height: 38.22 m
Screen Length: 3. m
Well Radius: 0.025 m

SOLUTION

Aquifer Model: Confined
Solution Method: Hvorslev
K = 0.06424 m/day
y0 = 0.2048 m



WELL TEST ANALYSIS

Data Set: C:\...\PPD02B Bouwer & Rice - Rising Head.aqt
Date: 11/28/19 Time: 09:57:19

PROJECT INFORMATION

Company: CDM Smith
Client: Bowen Coking Coal
Project: 1000398
Location: Queensland
Test Well: PPD02B
Test Date: 30/04/2019

AQUIFER DATA

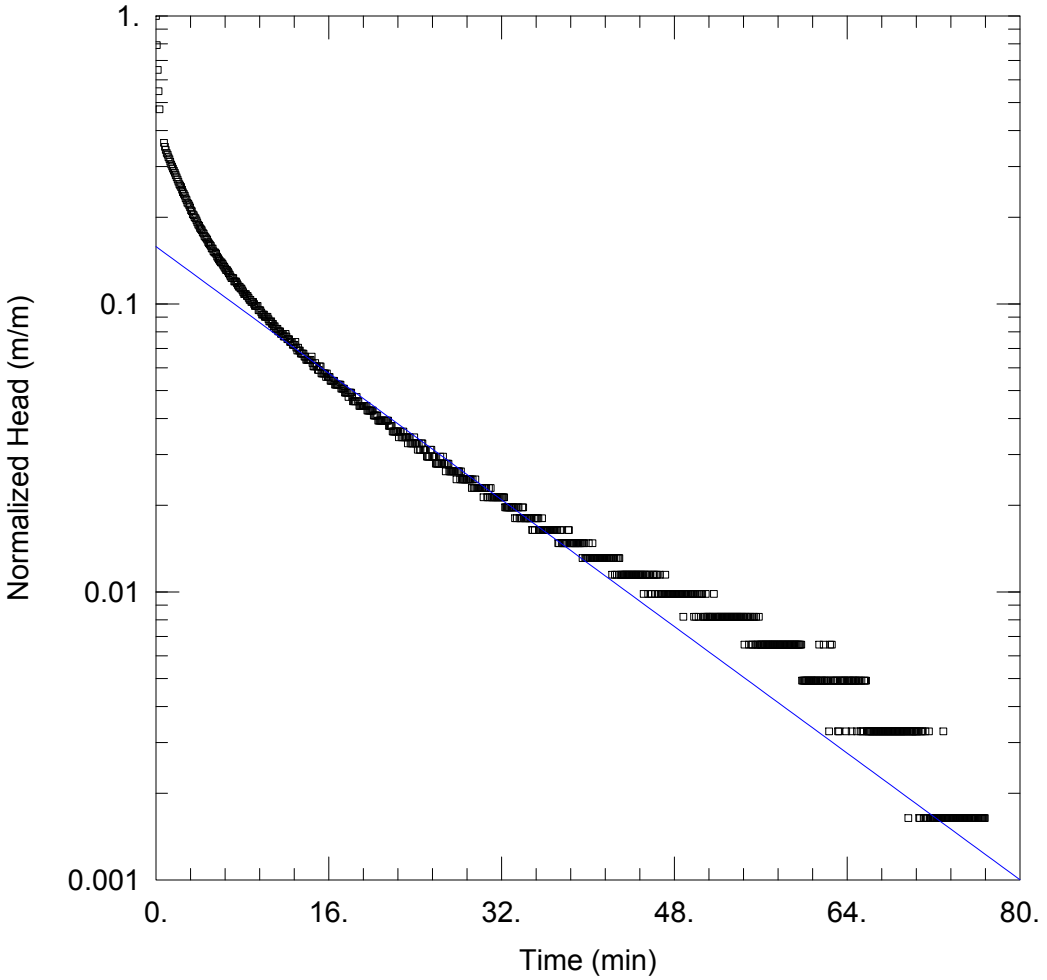
Saturated Thickness: 38.22 m
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (PPD02B)

Initial Displacement: 0.61 m
Total Well Penetration Depth: 55. m
Casing Radius: 0.025 m
Static Water Column Height: 38.22 m
Screen Length: 3. m
Well Radius: 0.025 m

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 0.05721 m/day
y0 = 0.1108 m



WELL TEST ANALYSIS

Data Set: C:\...\PPD02B Hvorslev - Rising Head.aqt
Date: 11/27/19 Time: 16:31:03

PROJECT INFORMATION

Company: CDM Smith
Client: Bowen Coking Coal
Project: 1000398
Location: Queensland
Test Well: PPD02B
Test Date: 30/04/2019

AQUIFER DATA

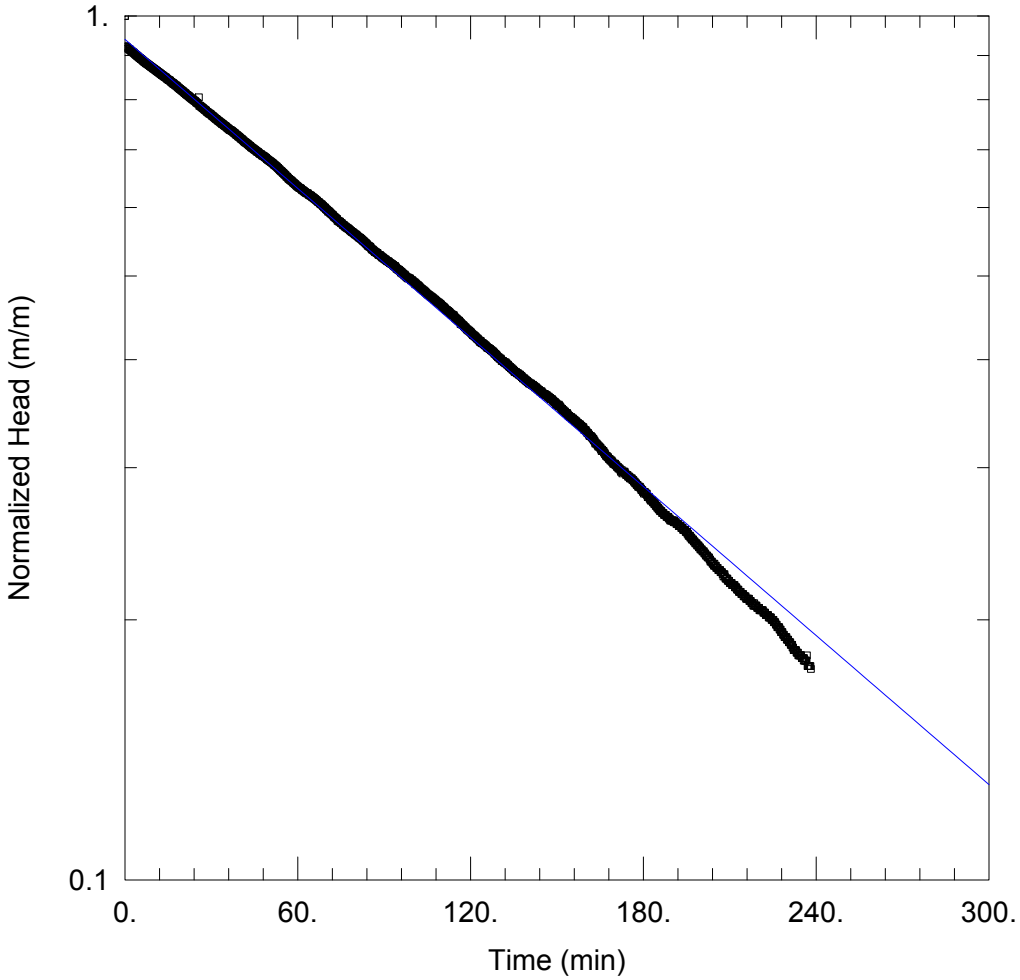
Saturated Thickness: 38.22 m
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (PPD02B)

Initial Displacement: 0.61 m
Total Well Penetration Depth: 55. m
Casing Radius: 0.025 m
Static Water Column Height: 38.22 m
Screen Length: 3. m
Well Radius: 0.025 m

SOLUTION

Aquifer Model: Confined
Solution Method: Hvorslev
K = 0.05201 m/day
y0 = 0.09647 m



WELL TEST ANALYSIS

Data Set: C:\...\PPD02C Bouwer & Rice - Falling Head.aqt
Date: 11/28/19 Time: 09:59:27

PROJECT INFORMATION

Company: CDM Smith
Client: Bowen Coking Coal
Project: 1000398
Location: Queensland
Test Well: PPD02C
Test Date: 30/04/2019

AQUIFER DATA

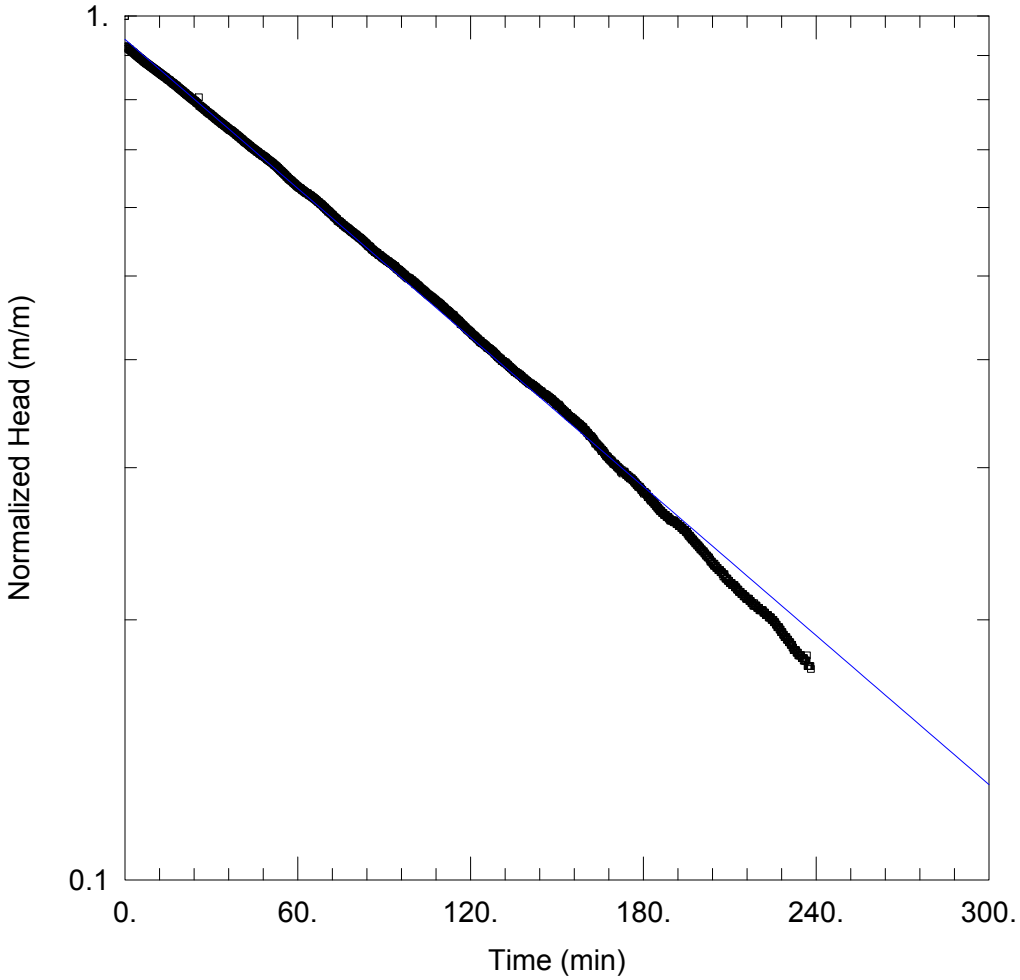
Saturated Thickness: 39.7 m Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (PPD02C)

Initial Displacement: 0.775 m Static Water Column Height: 39.7 m
Total Well Penetration Depth: 102. m Screen Length: 3. m
Casing Radius: 0.025 m Well Radius: 0.025 m

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice
K = 0.005725 m/day y0 = 0.7279 m



WELL TEST ANALYSIS

Data Set: C:\...\PPD02C Hvorslev - Falling Head.aqt
Date: 11/28/19 Time: 10:00:02

PROJECT INFORMATION

Company: CDM Smith
Client: Bowen Coking Coal
Project: 1000398
Location: Queensland
Test Well: PPD02C
Test Date: 30/04/2019

AQUIFER DATA

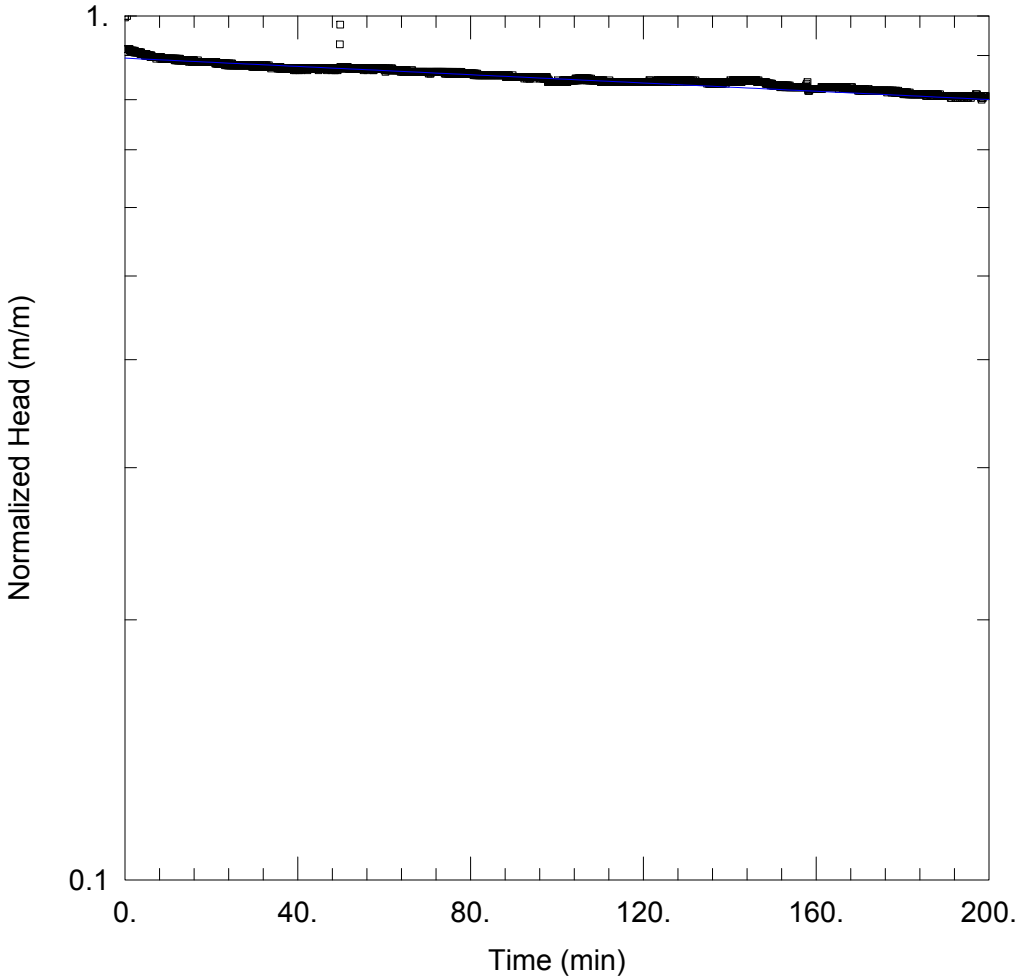
Saturated Thickness: 39.7 m Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (PPD02C)

Initial Displacement: 0.775 m Static Water Column Height: 39.7 m
Total Well Penetration Depth: 102. m Screen Length: 3. m
Casing Radius: 0.025 m Well Radius: 0.025 m

SOLUTION

Aquifer Model: Confined Solution Method: Hvorslev
K = 0.005442 m/day y0 = 0.7279 m



WELL TEST ANALYSIS

Data Set: C:\...\PPD03A Bouwer & Rice - Falling Head.aqt
Date: 11/28/19 Time: 10:02:51

PROJECT INFORMATION

Company: CDM Smith
Client: Bowen Coking Coal
Project: 1000398
Location: Queensland
Test Well: PPD03A
Test Date: 30/04/2019

AQUIFER DATA

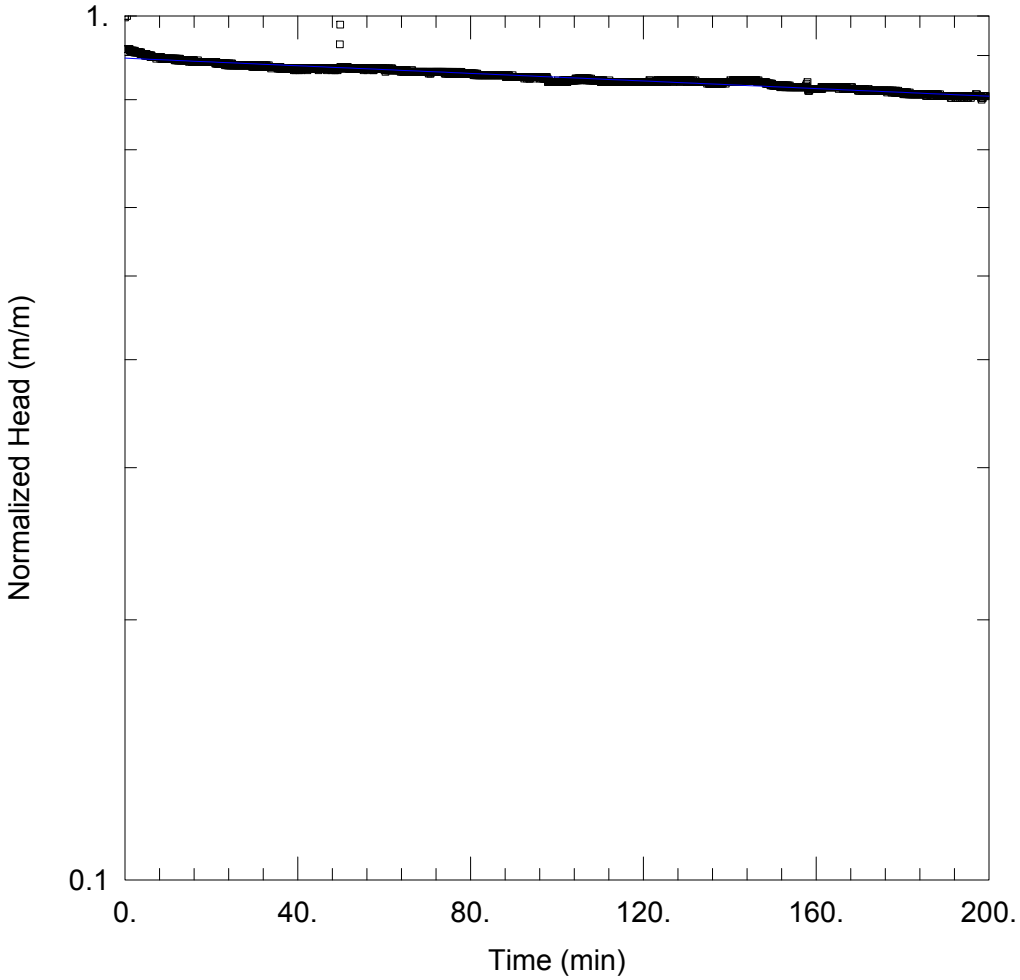
Saturated Thickness: 45. m
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (PPD03A)

Initial Displacement: 0.26 m
Total Well Penetration Depth: 51.1 m
Casing Radius: 0.025 m
Static Water Column Height: 45. m
Screen Length: 6. m
Well Radius: 0.025 m

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 0.0002346 m/day
y0 = 0.2323 m



WELL TEST ANALYSIS

Data Set: C:\...\PPD03A Hvorslev - Falling Head.aqt
Date: 11/28/19 Time: 10:04:02

PROJECT INFORMATION

Company: CDM Smith
Client: Bowen Coking Coal
Project: 1000398
Location: Queensland
Test Well: PPD03A
Test Date: 30/04/2019

AQUIFER DATA

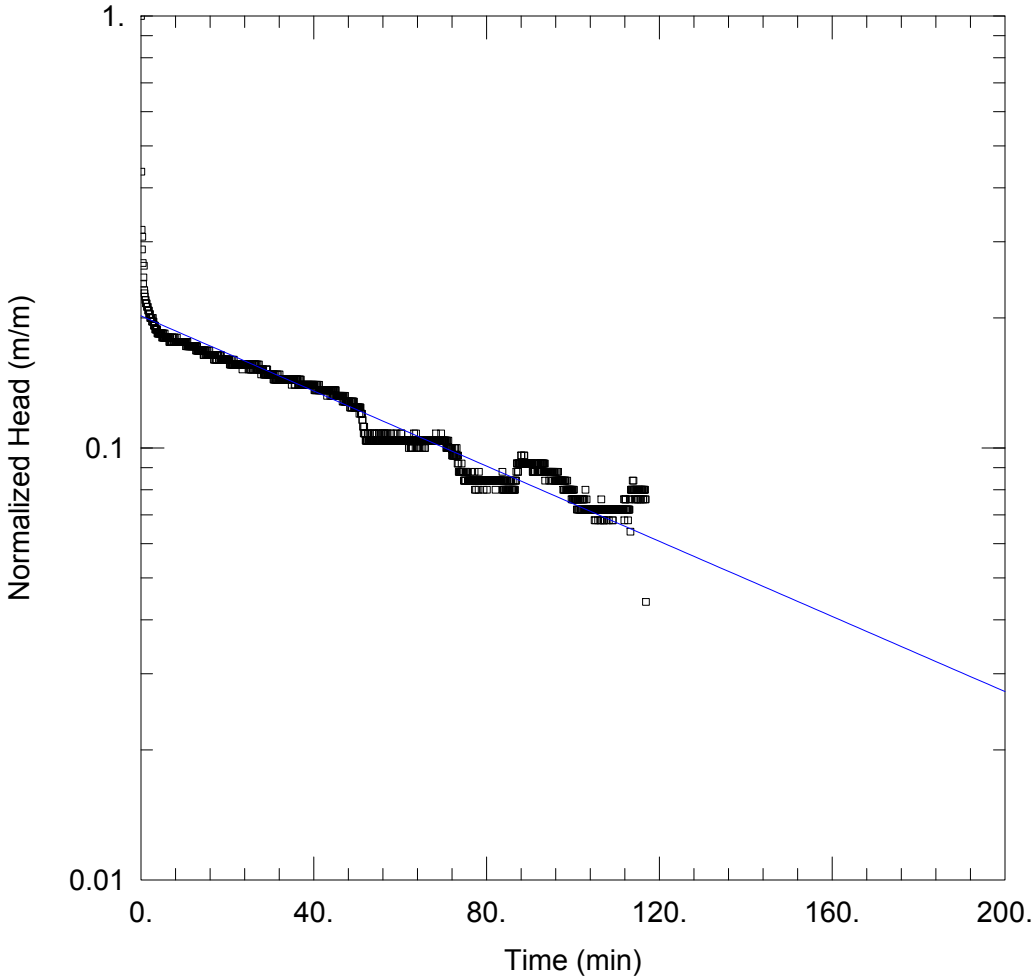
Saturated Thickness: 45. m Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (PPD03A)

Initial Displacement: 0.26 m Static Water Column Height: 45. m
Total Well Penetration Depth: 51.1 m Screen Length: 6. m
Casing Radius: 0.025 m Well Radius: 0.025 m

SOLUTION

Aquifer Model: Confined Solution Method: Hvorslev
K = 0.0002346 m/day y0 = 0.2323 m



WELL TEST ANALYSIS

Data Set: C:\...\PPD03A Bouwer & Rice - Rising Head.aqt
Date: 11/28/19 Time: 10:03:26

PROJECT INFORMATION

Company: CDM Smith
Client: Bowen Coking Coal
Project: 1000398
Location: Queensland
Test Well: PPD03A
Test Date: 30/04/2019

AQUIFER DATA

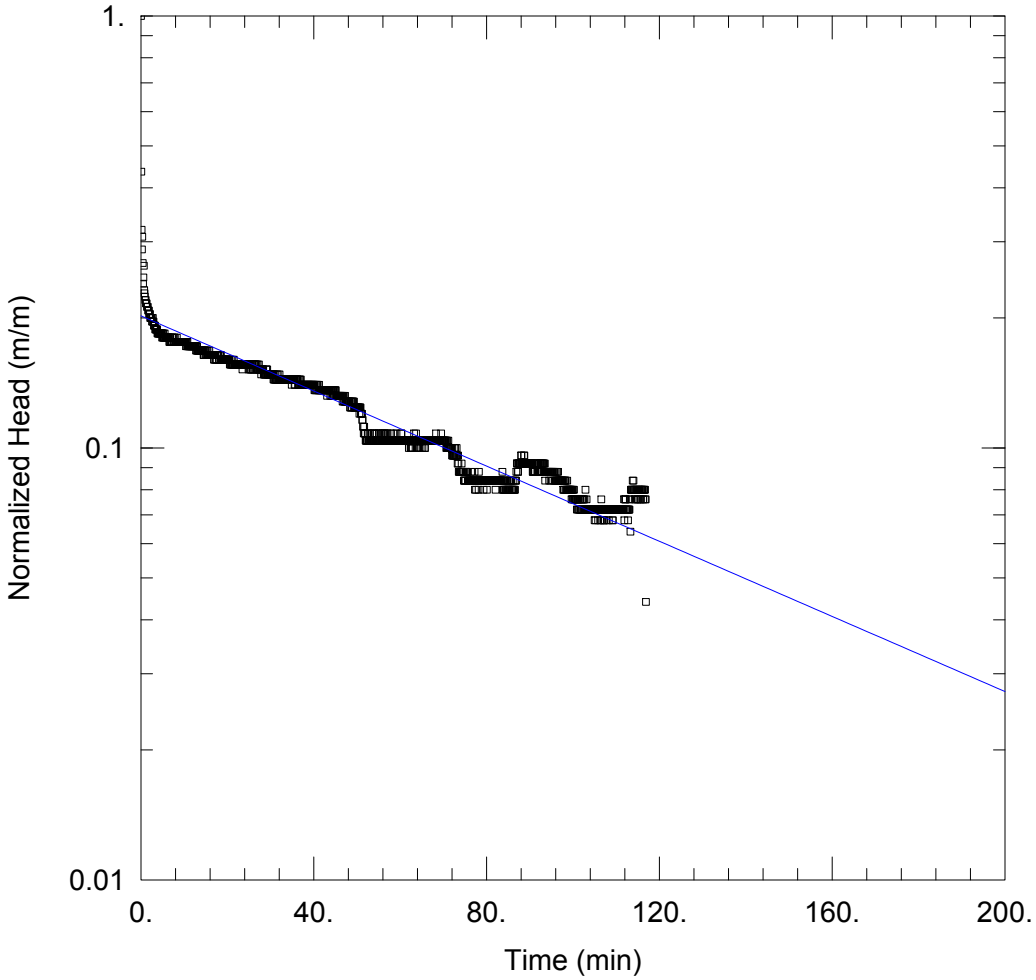
Saturated Thickness: 45. m
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (PPD03A)

Initial Displacement: 0.25 m
Total Well Penetration Depth: 51.1 m
Casing Radius: 0.025 m
Static Water Column Height: 45. m
Screen Length: 6. m
Well Radius: 0.025 m

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 0.004261 m/day
y0 = 0.05054 m



WELL TEST ANALYSIS

Data Set: C:\...\PPD03A Hvorslev - Rising Head.aqt
Date: 11/28/19 Time: 10:04:34

PROJECT INFORMATION

Company: CDM Smith
Client: Bowen Coking Coal
Project: 1000398
Location: Queensland
Test Well: PPD03A
Test Date: 30/04/2019

AQUIFER DATA

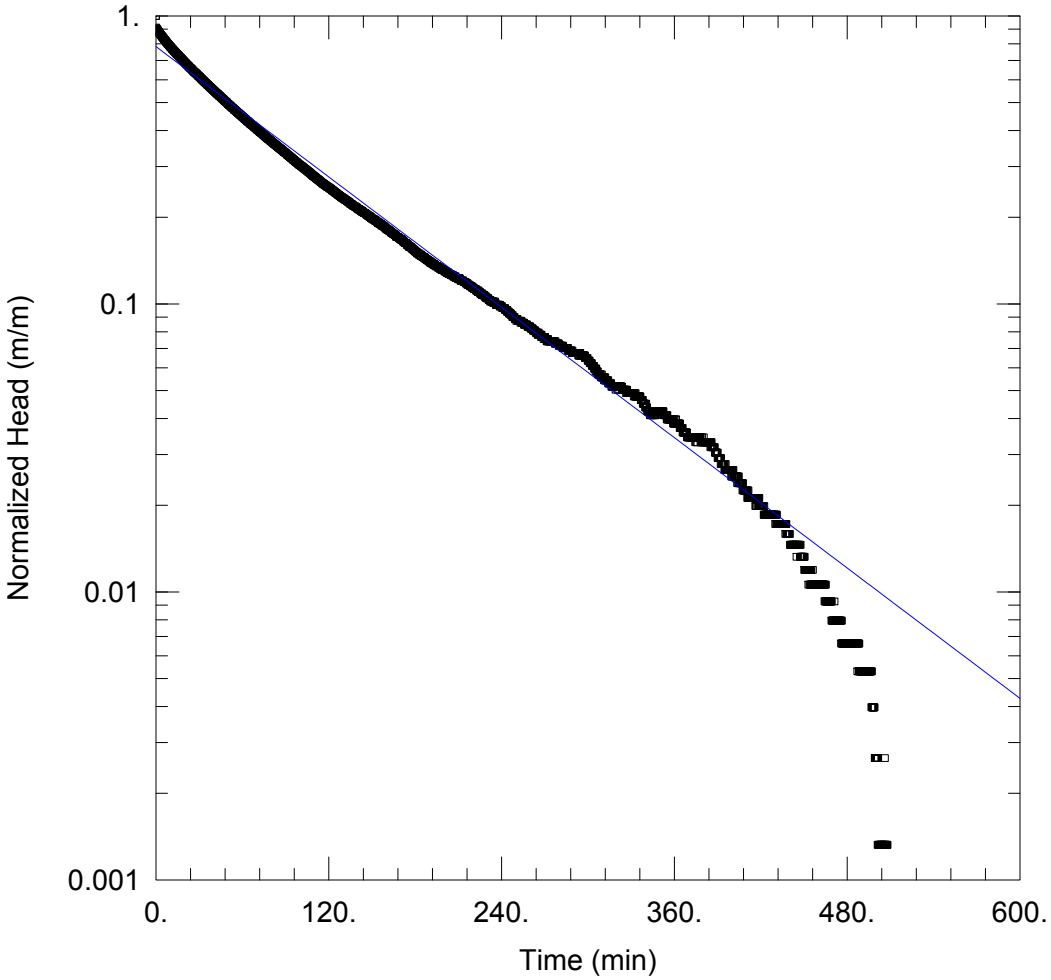
Saturated Thickness: 45. m
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (PPD03A)

Initial Displacement: 0.25 m
Total Well Penetration Depth: 51.1 m
Casing Radius: 0.025 m
Static Water Column Height: 45. m
Screen Length: 6. m
Well Radius: 0.025 m

SOLUTION

Aquifer Model: Confined
Solution Method: Hvorslev
K = 0.004636 m/day
y0 = 0.05054 m



WELL TEST ANALYSIS

Data Set: C:\...\PPD03B Test 2 Bouwer & Rice - Falling Head.aqt
Date: 11/28/19 Time: 10:06:03

PROJECT INFORMATION

Company: CDM Smith
Client: Bowen Coking Coal
Project: 1000398
Location: Queensland
Test Well: PPD03B
Test Date: 30/04/2019

AQUIFER DATA

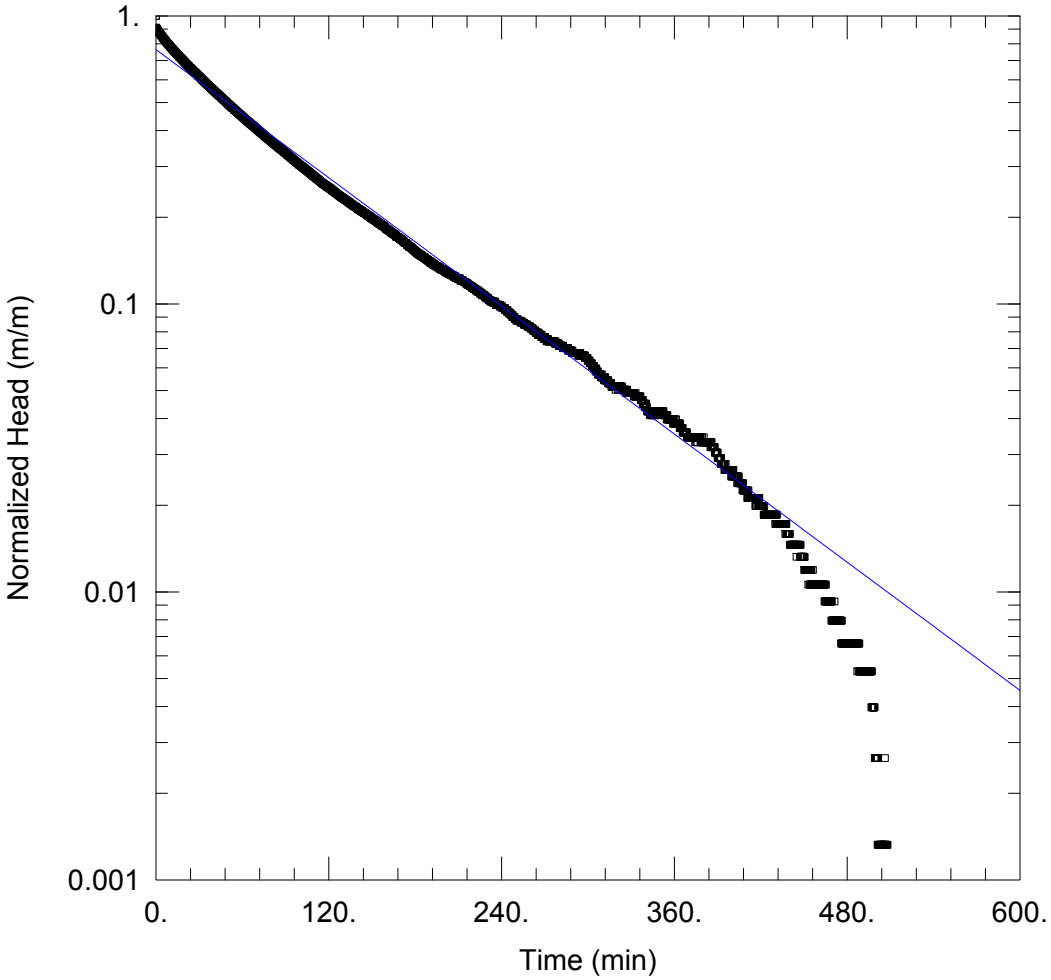
Saturated Thickness: 26.61 m
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (PPD03B)

Initial Displacement: 0.755 m
Total Well Penetration Depth: 69. m
Casing Radius: 0.025 m
Static Water Column Height: 26.61 m
Screen Length: 3. m
Well Radius: 0.025 m

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 0.00724 m/day
y0 = 0.5908 m



WELL TEST ANALYSIS

Data Set: C:\...\PPD03B Test 2 Hvorslev - Falling Head.aqt
Date: 11/28/19 Time: 10:08:35

PROJECT INFORMATION

Company: CDM Smith
Client: Bowen Coking Coal
Project: 1000398
Location: Queensland
Test Well: PPD03B
Test Date: 30/04/2019

AQUIFER DATA

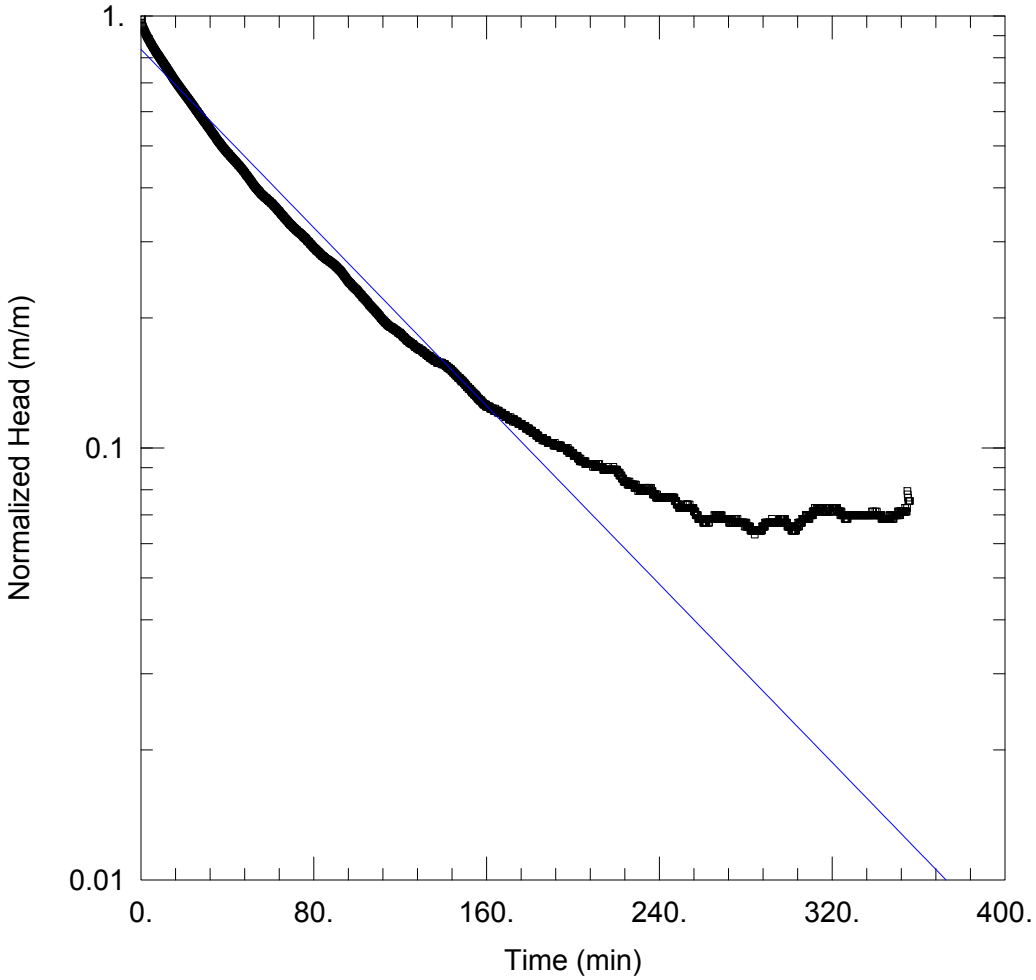
Saturated Thickness: 26.61 m
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (PPD03B)

Initial Displacement: 0.755 m
Total Well Penetration Depth: 69. m
Casing Radius: 0.025 m
Static Water Column Height: 26.61 m
Screen Length: 3. m
Well Radius: 0.025 m

SOLUTION

Aquifer Model: Confined
Solution Method: Hvorslev
K = 0.007019 m/day
y0 = 0.5768 m



WELL TEST ANALYSIS

Data Set: C:\...\PPD03B Test 2 Bouwer & Rice - Rising Head.aqt
Date: 11/28/19 Time: 10:07:36

PROJECT INFORMATION

Company: CDM Smith
Client: Bowen Coking Coal
Project: 1000398
Location: Queensland
Test Well: PPD03B
Test Date: 30/04/2019

AQUIFER DATA

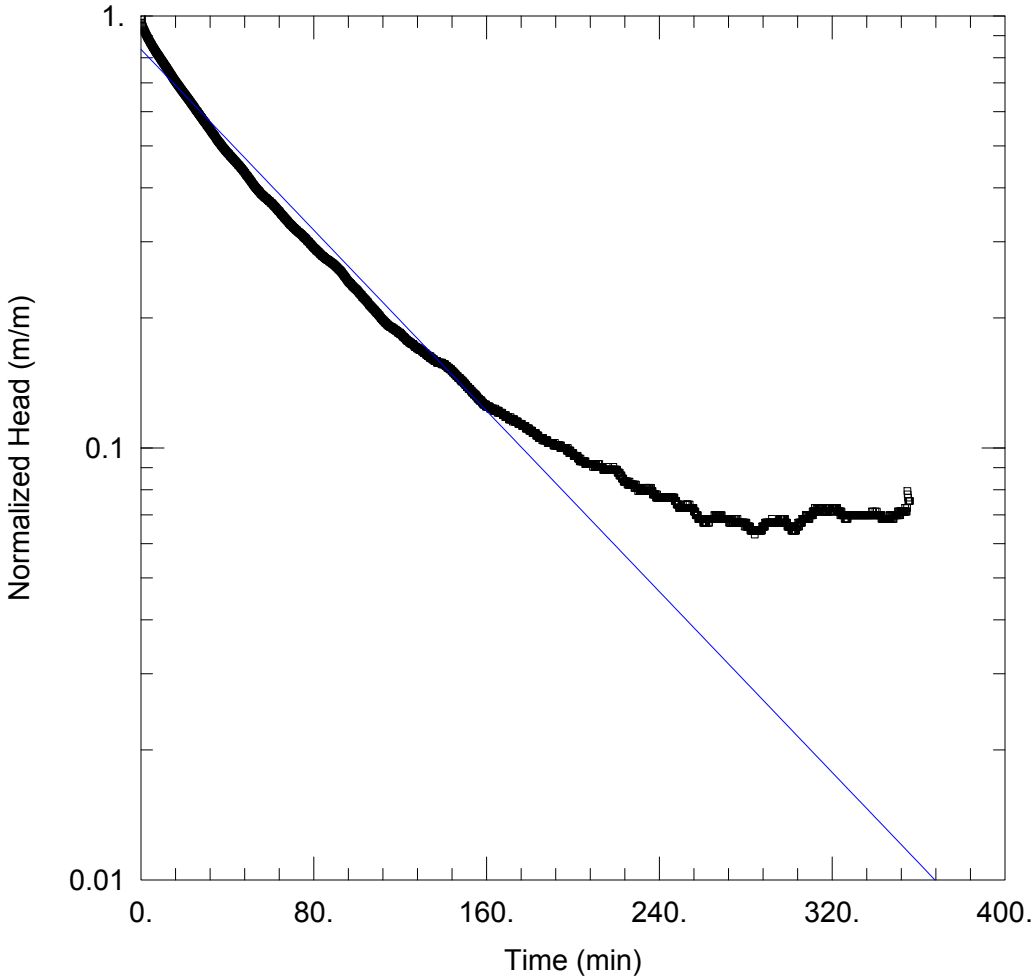
Saturated Thickness: 26.61 m Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (New Well)

Initial Displacement: 0.73 m
Total Well Penetration Depth: 69. m
Casing Radius: 0.025 m
Static Water Column Height: 26.61 m
Screen Length: 3. m
Well Radius: 0.025 m

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 0.009901 m/day
y0 = 0.6108 m



WELL TEST ANALYSIS

Data Set: C:\...\PPD03B Test 2 Hvorslev - Rising Head.aqt
Date: 11/28/19 Time: 10:08:54

PROJECT INFORMATION

Company: CDM Smith
Client: Bowen Coking Coal
Project: 1000398
Location: Queensland
Test Well: PPD03B
Test Date: 30/04/2019

AQUIFER DATA

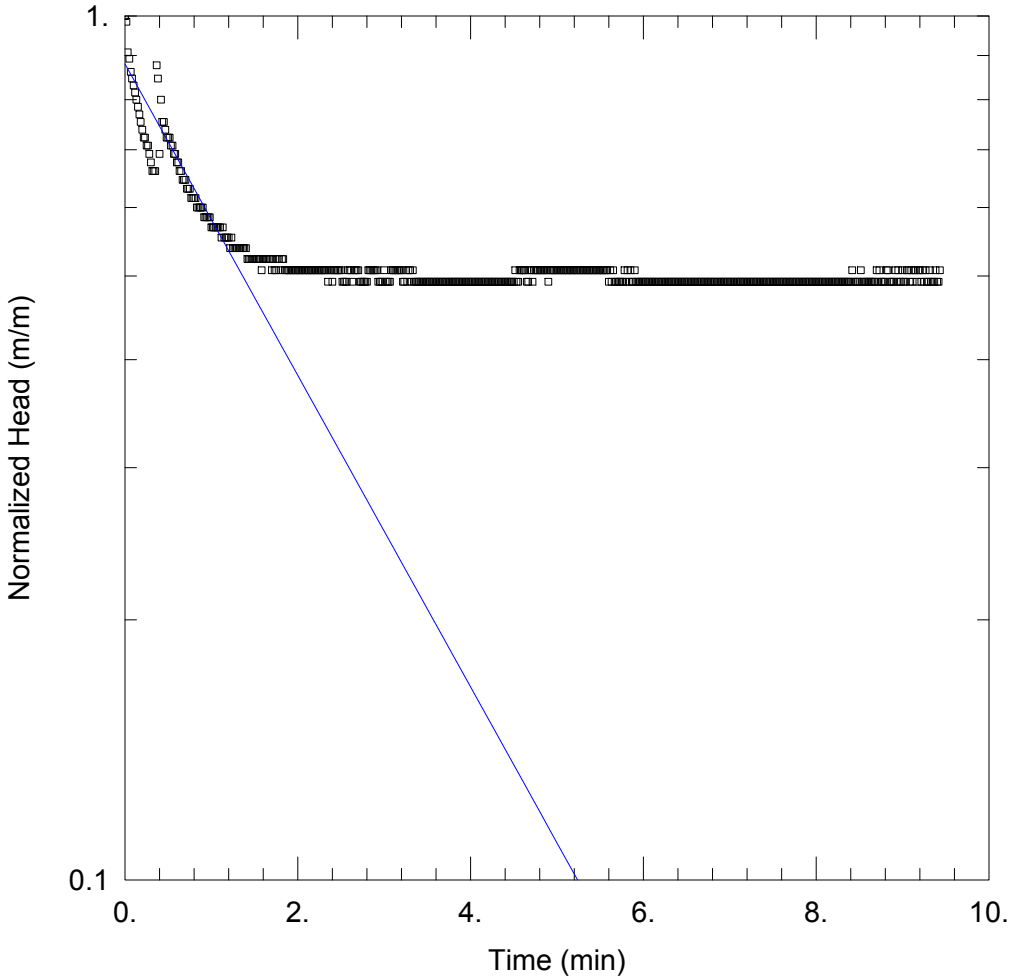
Saturated Thickness: 26.61 m Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (New Well)

Initial Displacement: 0.73 m
Total Well Penetration Depth: 69. m
Casing Radius: 0.025 m
Static Water Column Height: 26.61 m
Screen Length: 3. m
Well Radius: 0.025 m

SOLUTION

Aquifer Model: Confined
Solution Method: Hvorslev
K = 0.009901 m/day
y0 = 0.6108 m



WELL TEST ANALYSIS

Data Set: C:\...\WW04A Bouwer & Rice - Falling Head1.aqt
Date: 11/28/19 Time: 10:38:57

PROJECT INFORMATION

Company: CDM Smith
Client: Bowen Coking Coal
Project: 1000398
Location: Queensland
Test Well: WW04A
Test Date: 30/04/2019

AQUIFER DATA

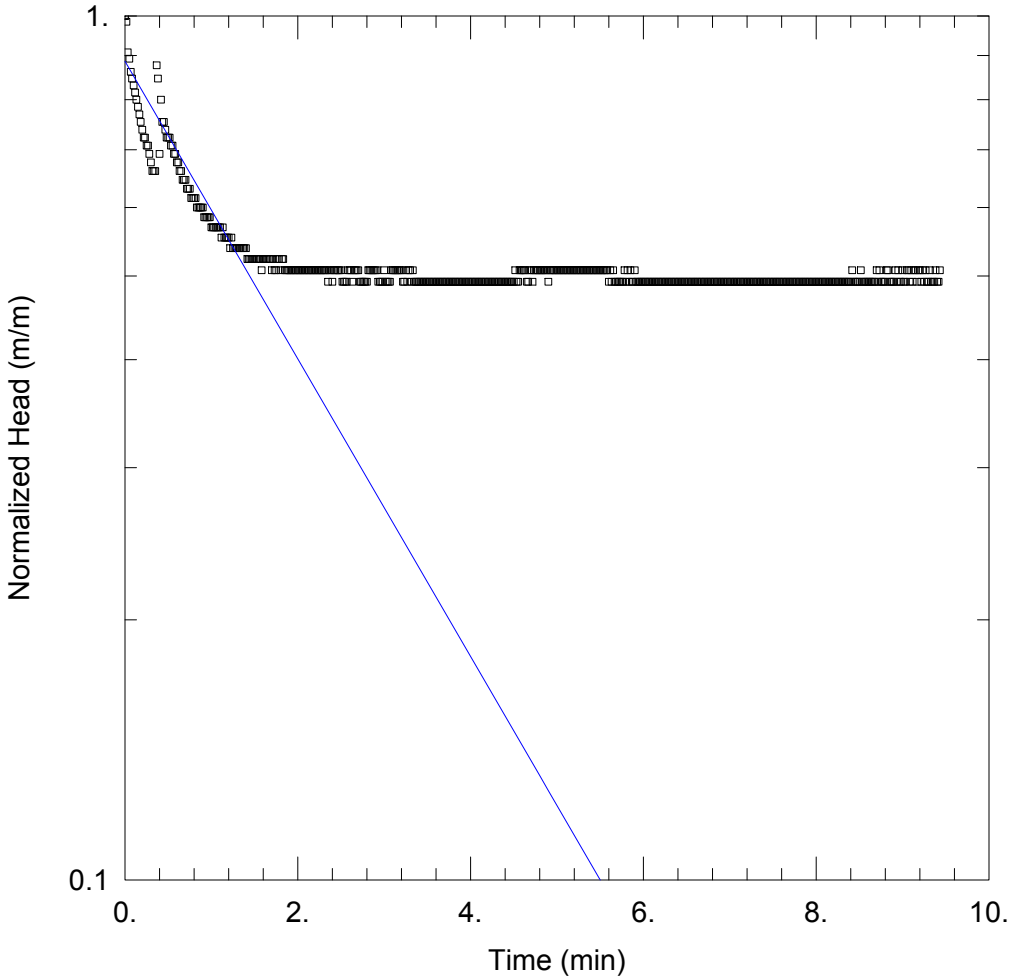
Saturated Thickness: 40.97 m
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (WW04A)

Initial Displacement: 0.065 m
Total Well Penetration Depth: 54.2 m
Casing Radius: 0.025 m
Static Water Column Height: 40.97 m
Screen Length: 12. m
Well Radius: 0.025 m

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 0.09435 m/day
y0 = 0.05719 m



WELL TEST ANALYSIS

Data Set: C:\...\WW04A Hvorslev - Falling Head1.aqt
Date: 11/28/19 Time: 10:34:51

PROJECT INFORMATION

Company: CDM Smith
Client: Bowen Coking Coal
Project: 1000398
Location: Queensland
Test Well: WW04A
Test Date: 30/04/2019

AQUIFER DATA

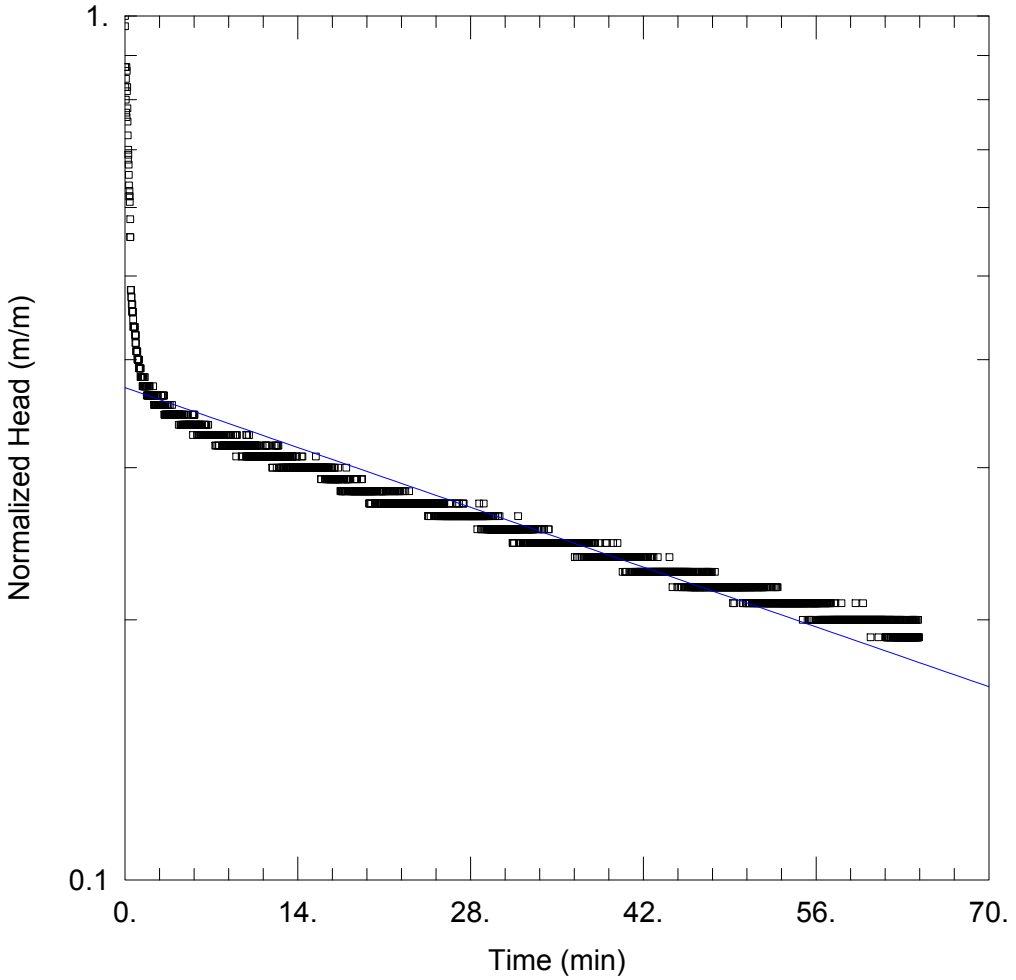
Saturated Thickness: 40.97 m Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (WW04A)

Initial Displacement: 0.065 m
Total Well Penetration Depth: 54.2 m
Casing Radius: 0.025 m
Static Water Column Height: 40.97 m
Screen Length: 12. m
Well Radius: 0.025 m

SOLUTION

Aquifer Model: Confined
Solution Method: Hvorslev
K = 0.1021 m/day
y0 = 0.0576 m



WELL TEST ANALYSIS

Data Set: C:\...\WW04A Bouwer & Rice - Rising Head.aqt
Date: 11/28/19 Time: 10:12:09

PROJECT INFORMATION

Company: CDM Smith
Client: Bowen Coking Coal
Project: 1000398
Location: Queensland
Test Well: WW04A
Test Date: 30/04/2019

AQUIFER DATA

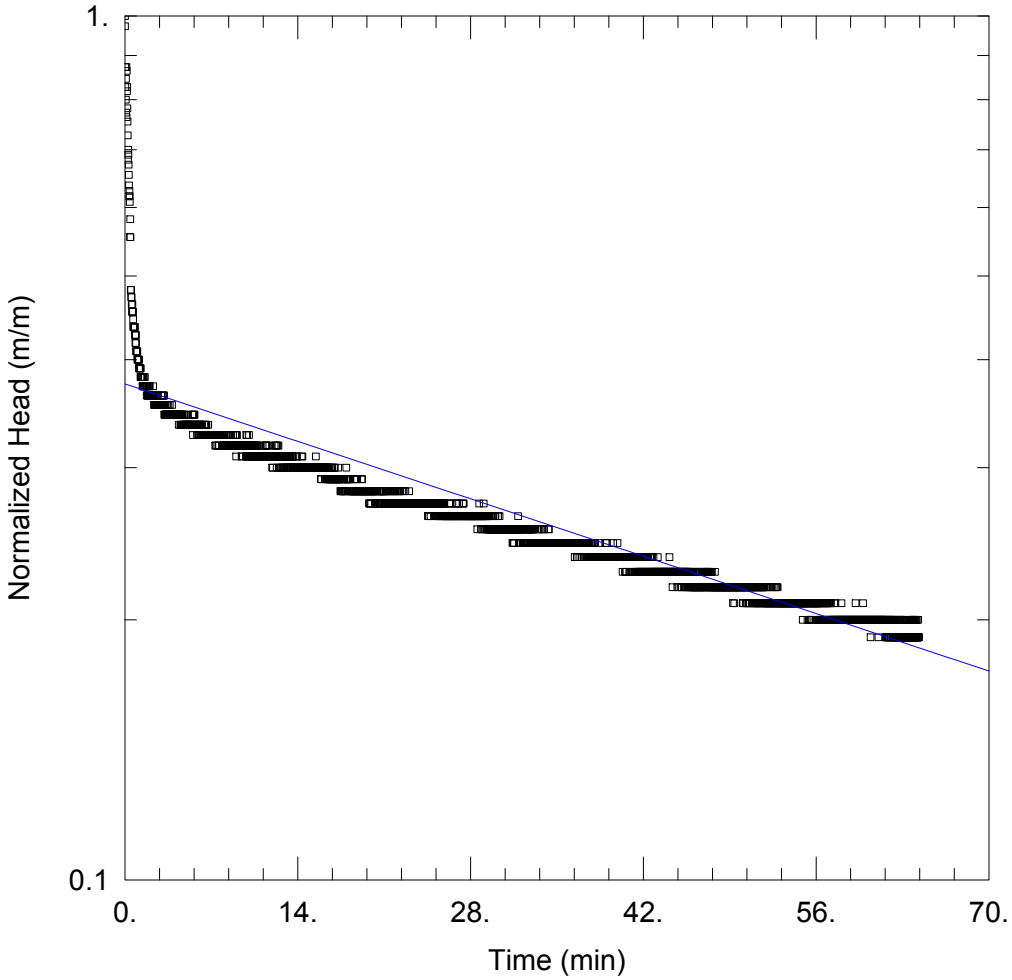
Saturated Thickness: 40.97 m Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (New Well)

Initial Displacement: 0.11 m
Total Well Penetration Depth: 54.2 m
Casing Radius: 0.025 m
Static Water Column Height: 40.97 m
Screen Length: 12. m
Well Radius: 0.025 m

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 0.002588 m/day
y0 = 0.04085 m



WELL TEST ANALYSIS

Data Set: C:\...\WW04A Hvorslev - Rising Head.aqt
Date: 11/28/19 Time: 10:13:11

PROJECT INFORMATION

Company: CDM Smith
Client: Bowen Coking Coal
Project: 1000398
Location: Queensland
Test Well: WW04A
Test Date: 30/04/2019

AQUIFER DATA

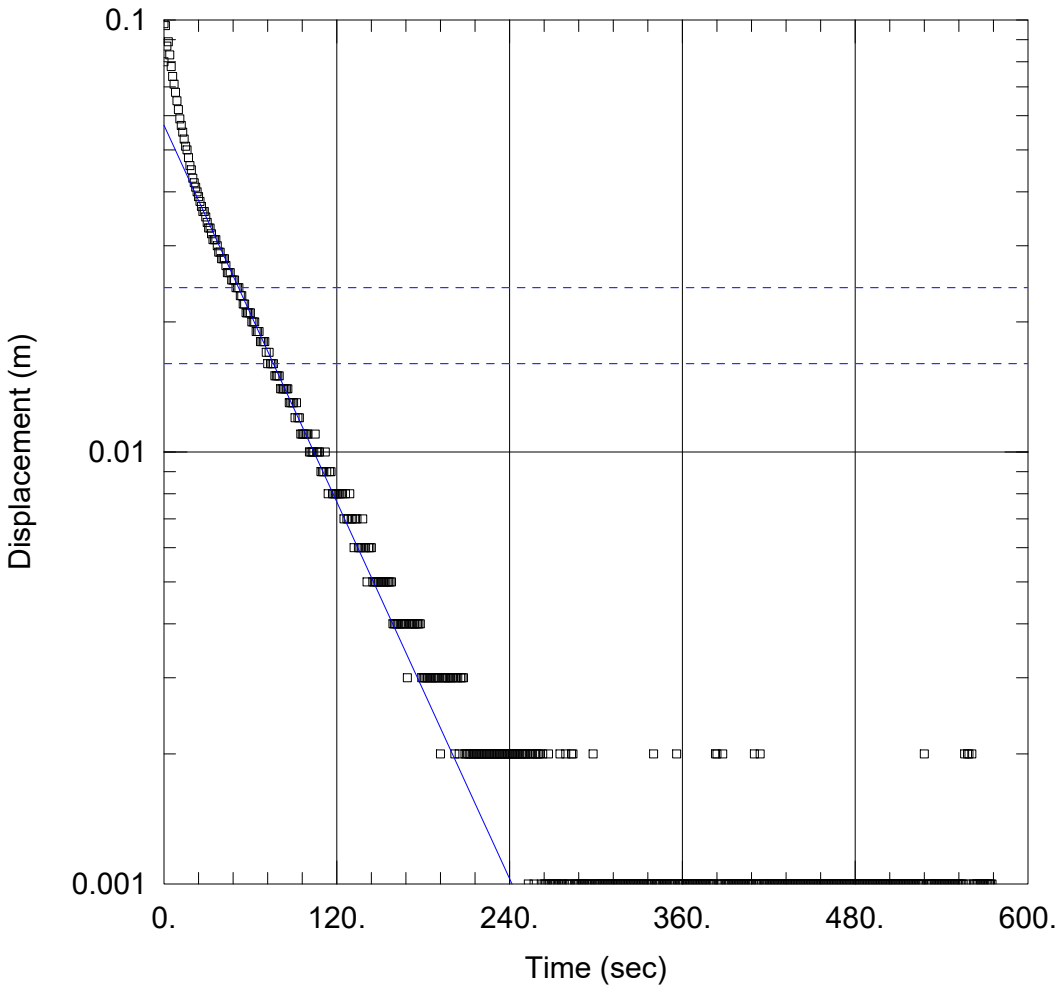
Saturated Thickness: 40.97 m Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (New Well)

Initial Displacement: 0.11 m
Total Well Penetration Depth: 54.2 m
Casing Radius: 0.025 m
Static Water Column Height: 40.97 m
Screen Length: 12. m
Well Radius: 0.025 m

SOLUTION

Aquifer Model: Confined
Solution Method: Hvorslev
K = 0.002815 m/day
y0 = 0.04125 m



WELL TEST ANALYSIS

Data Set: C:\Users\deanfe\Desktop\Marks slug tests\Bore 11 aqtesolv\BH11 FHT 12 m screen.aqt
Date: 03/17/21 Time: 14:03:36

PROJECT INFORMATION

Company: CDM Smith

AQUIFER DATA

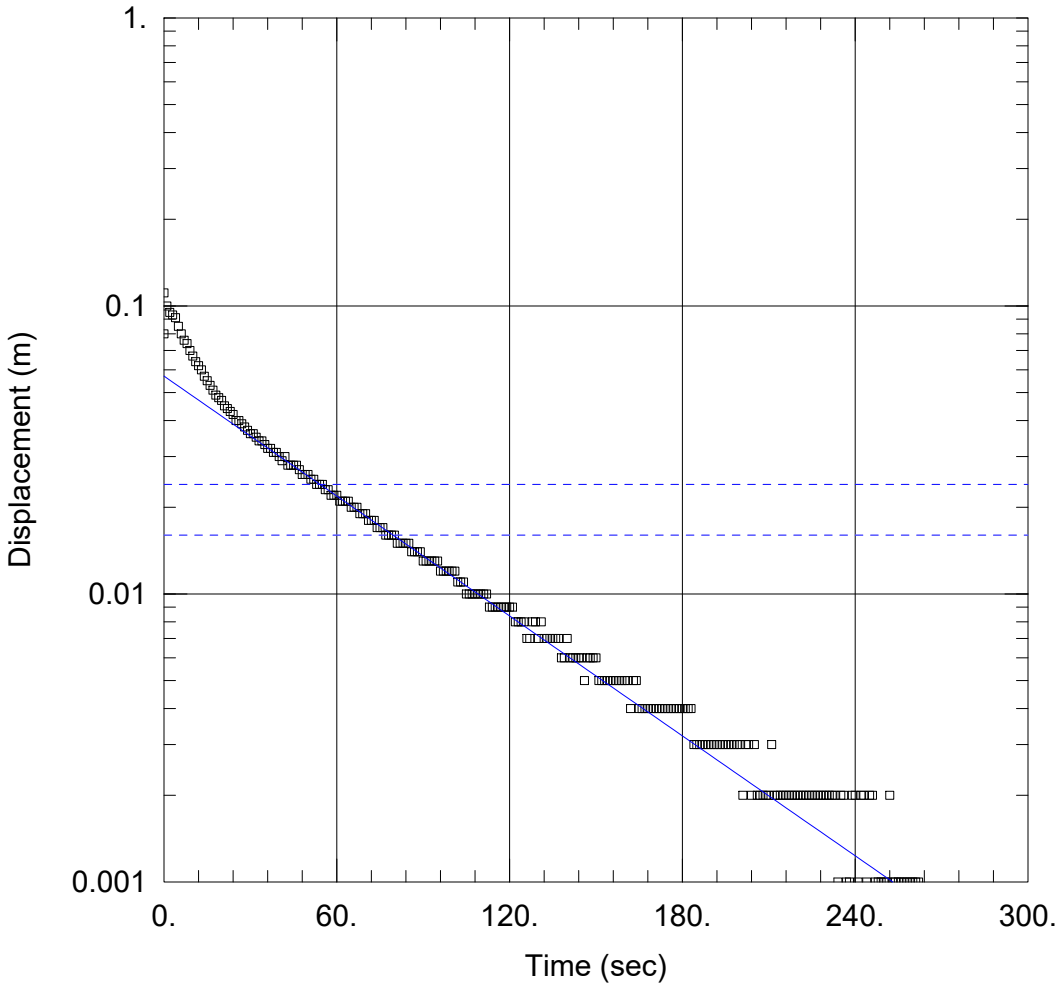
Saturated Thickness: 11.79 m Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (New Well)

Initial Displacement: 0.08 m
Total Well Penetration Depth: 12. m
Casing Radius: 0.0625 m
Static Water Column Height: 11.79 m
Screen Length: 12. m
Well Radius: 0.076 m

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 0.9388 m/day
y0 = 0.05705 m



WELL TEST ANALYSIS

Data Set: C:\Users\deanfe\Desktop\Marks slug tests\Bore 11 aqtesolv\BH11 RHT 12m screen.aqt
Date: 03/17/21 Time: 14:04:27

PROJECT INFORMATION

Company: CDM Smith

AQUIFER DATA

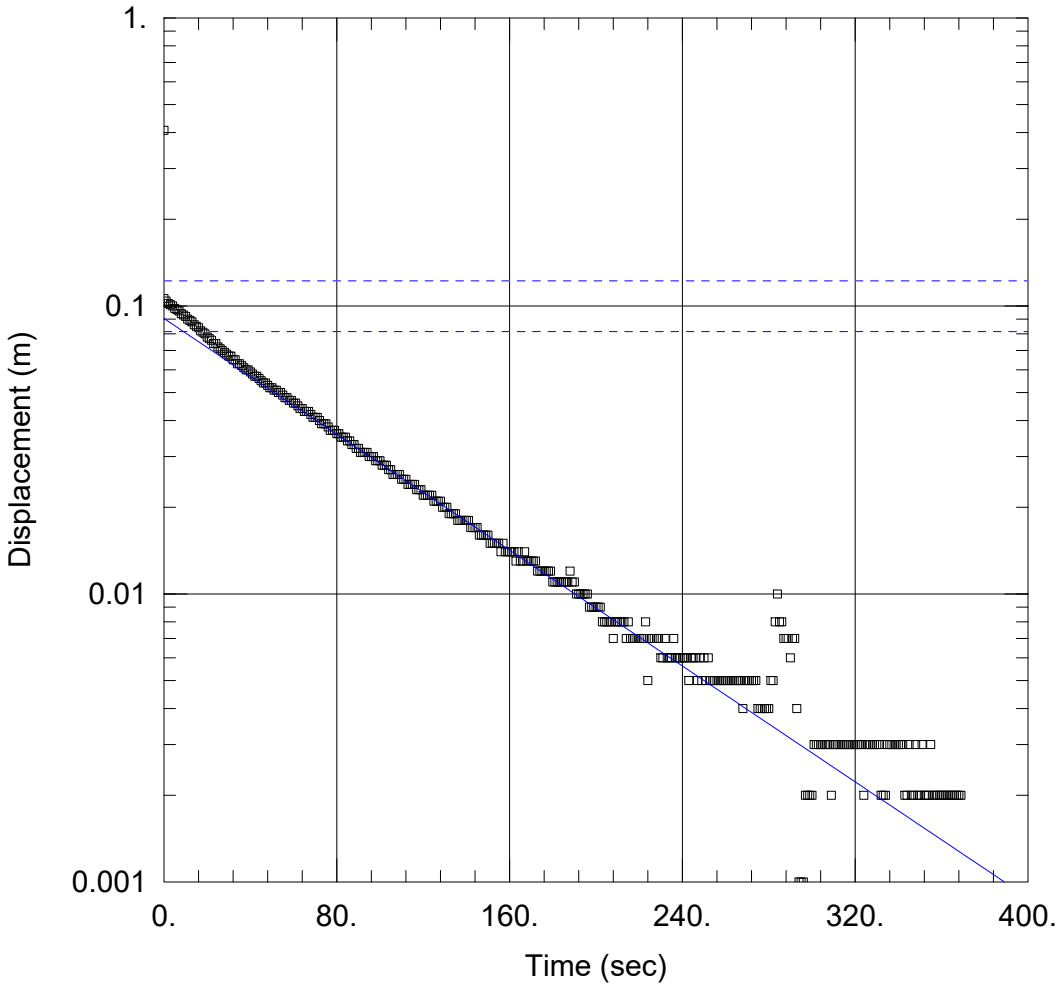
Saturated Thickness: 11.79 m Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (New Well)

Initial Displacement: 0.08 m Static Water Column Height: 11.79 m
Total Well Penetration Depth: 12. m Screen Length: 12. m
Casing Radius: 0.0625 m Well Radius: 0.076 m

SOLUTION

Aquifer Model: Confined Solution Method: Bouwer-Rice
K = 0.8965 m/day y0 = 0.05705 m



WELL TEST ANALYSIS

Data Set: C:\Users\deanfe\Desktop\Marks slug tests\Bore 11 aqtesolv\BH11 5L pour 12m screen.aqt
Date: 03/17/21 Time: 14:02:56

PROJECT INFORMATION

Company: CDM Smith

AQUIFER DATA

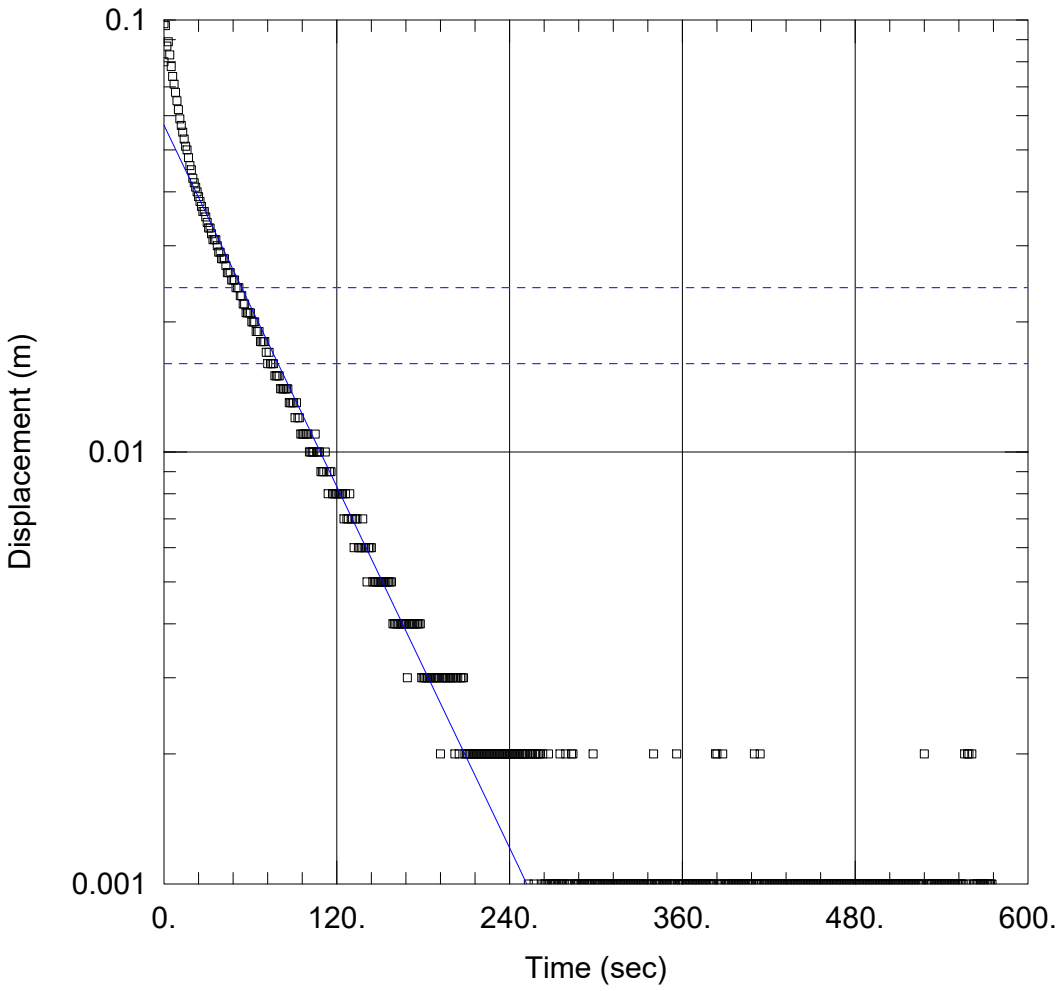
Saturated Thickness: 11.79 m Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (New Well)

Initial Displacement: 0.407 m
Total Well Penetration Depth: 12. m
Casing Radius: 0.0625 m
Static Water Column Height: 11.79 m
Screen Length: 12. m
Well Radius: 0.076 m

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 0.6495 m/day
y0 = 0.09042 m



WELL TEST ANALYSIS

Data Set: C:\Users\deanfe\Desktop\Marks slug tests\Bore 11 aqtesolv\BH11 FHT 6m screen.aqt
Date: 03/17/21 Time: 14:03:19

PROJECT INFORMATION

Company: CDM Smith

AQUIFER DATA

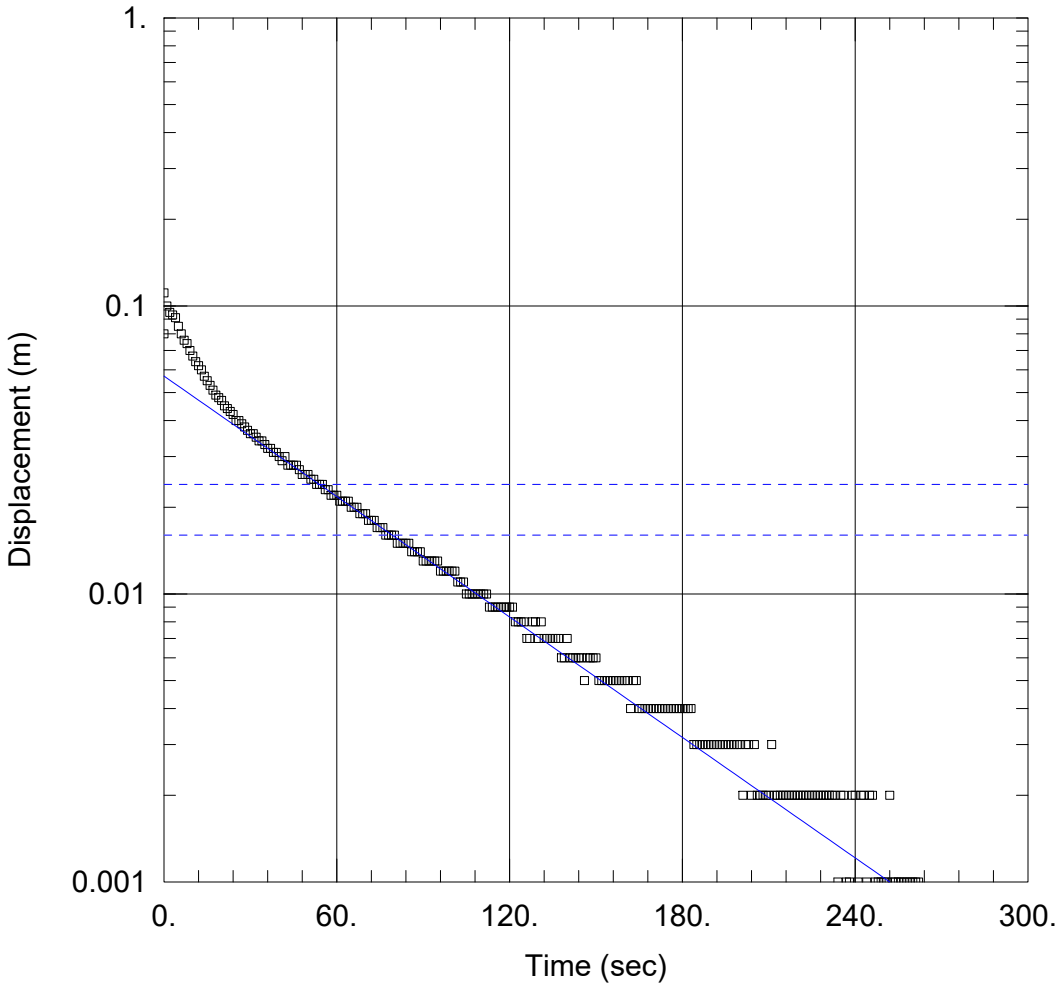
Saturated Thickness: 11.79 m Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (New Well)

Initial Displacement: 0.08 m
Total Well Penetration Depth: 11.79 m
Casing Radius: 0.0625 m
Static Water Column Height: 11.79 m
Screen Length: 6. m
Well Radius: 0.076 m

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 1.708 m/day
y0 = 0.05705 m



WELL TEST ANALYSIS

Data Set: C:\Users\deanfe\Desktop\Marks slug tests\Bore 11 aqtesolv\BH11 RHT 6 m screen.aqt
Date: 03/17/21 Time: 14:04:11

PROJECT INFORMATION

Company: CDM Smith

AQUIFER DATA

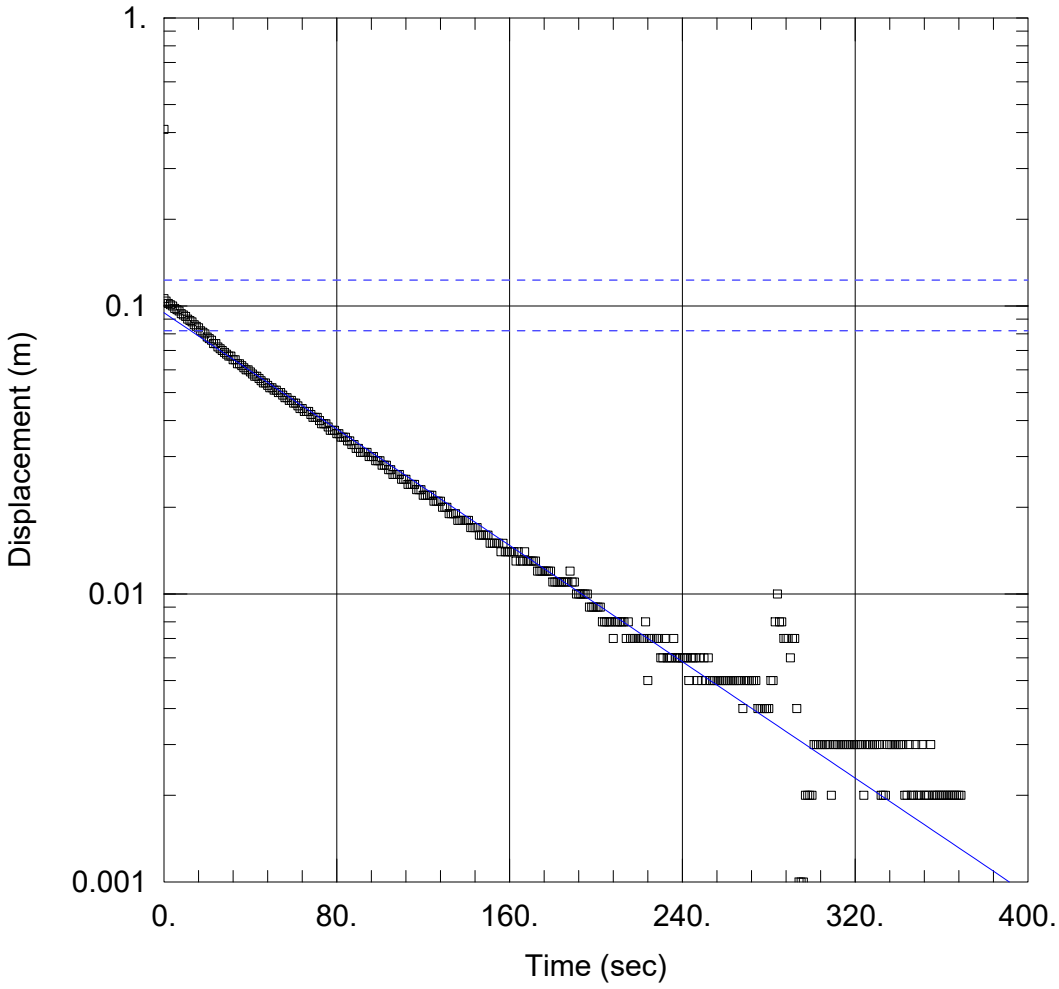
Saturated Thickness: 11.79 m Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (New Well)

Initial Displacement: 0.08 m
Total Well Penetration Depth: 11.79 m
Casing Radius: 0.0625 m
Static Water Column Height: 11.79 m
Screen Length: 6. m
Well Radius: 0.076 m

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 1.708 m/day
y0 = 0.05705 m



WELL TEST ANALYSIS

Data Set: C:\Users\deanfe\Desktop\Marks slug tests\Bore 11 aqtesolv\BH11 5L pour 6 m screen.aqt
Date: 03/17/21 Time: 14:02:40

PROJECT INFORMATION

Company: CDM Smith

AQUIFER DATA

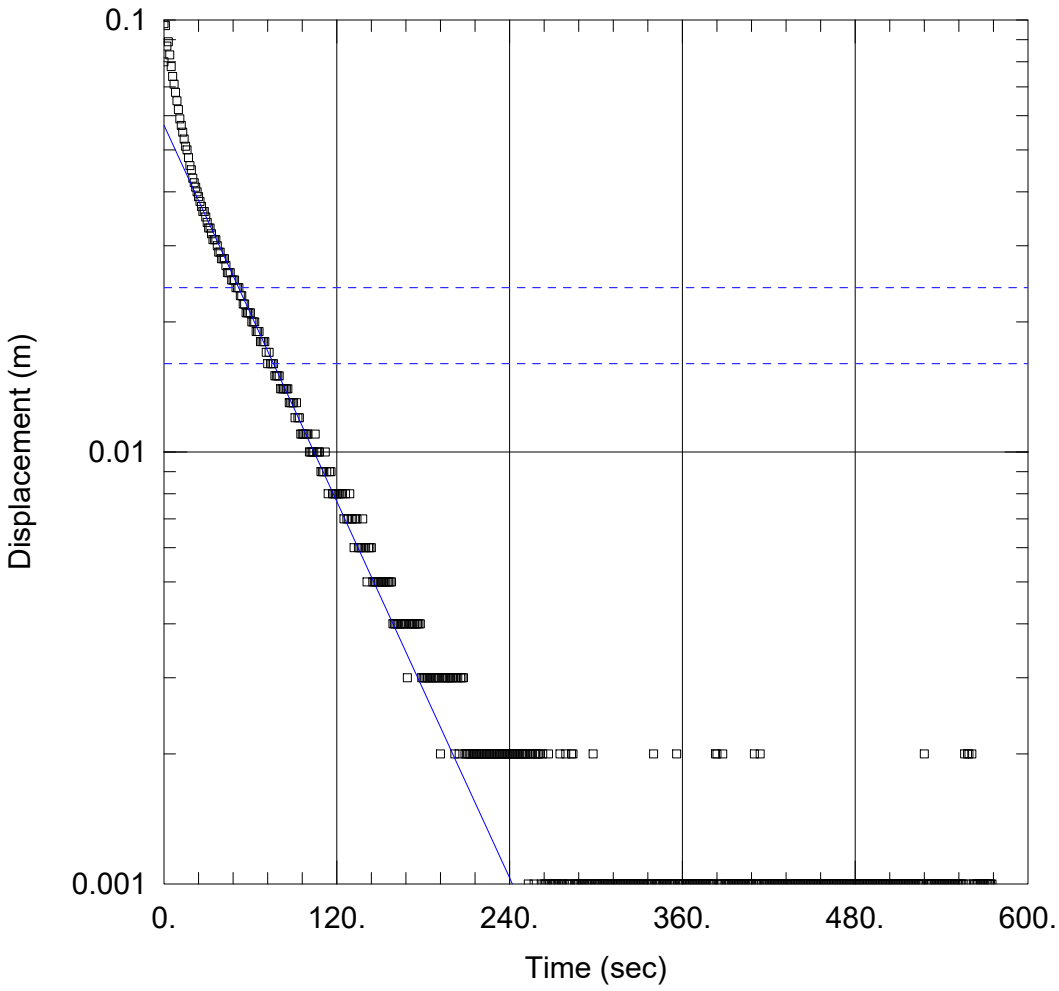
Saturated Thickness: 11.79 m
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (New Well)

Initial Displacement: 0.41 m
Static Water Column Height: 11.79 m
Total Well Penetration Depth: 11.79 m
Screen Length: 6. m
Casing Radius: 0.0625 m
Well Radius: 0.076 m

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 1.238 m/day
y0 = 0.09468 m



WELL TEST ANALYSIS

Data Set: C:\Users\deanfe\Desktop\Marks slug tests\Bore 11 aqtesolv\BH11 FHT 3m screen.aqt
Date: 03/17/21 Time: 14:03:08

PROJECT INFORMATION

Company: CDM Smith

AQUIFER DATA

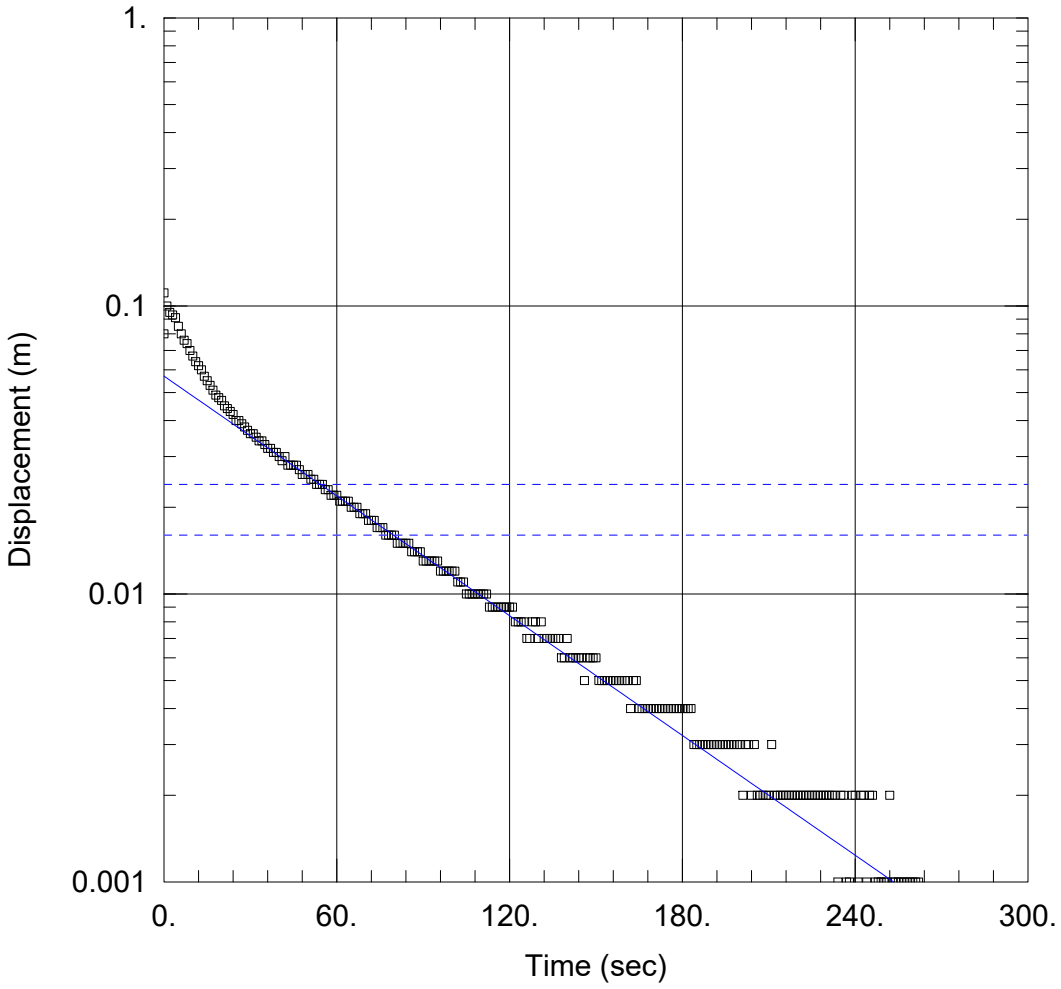
Saturated Thickness: 11.79 m Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (New Well)

Initial Displacement: 0.08 m
Total Well Penetration Depth: 11.79 m
Casing Radius: 0.0625 m
Static Water Column Height: 11.79 m
Screen Length: 3. m
Well Radius: 0.076 m

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 3.409 m/day
y0 = 0.05705 m



WELL TEST ANALYSIS

Data Set: C:\Users\deanfe\Desktop\Marks slug tests\Bore 11 aqtesolv\BH11 RHT 3 m screen.aqt
Date: 03/17/21 Time: 14:03:59

PROJECT INFORMATION

Company: CDM Smith

AQUIFER DATA

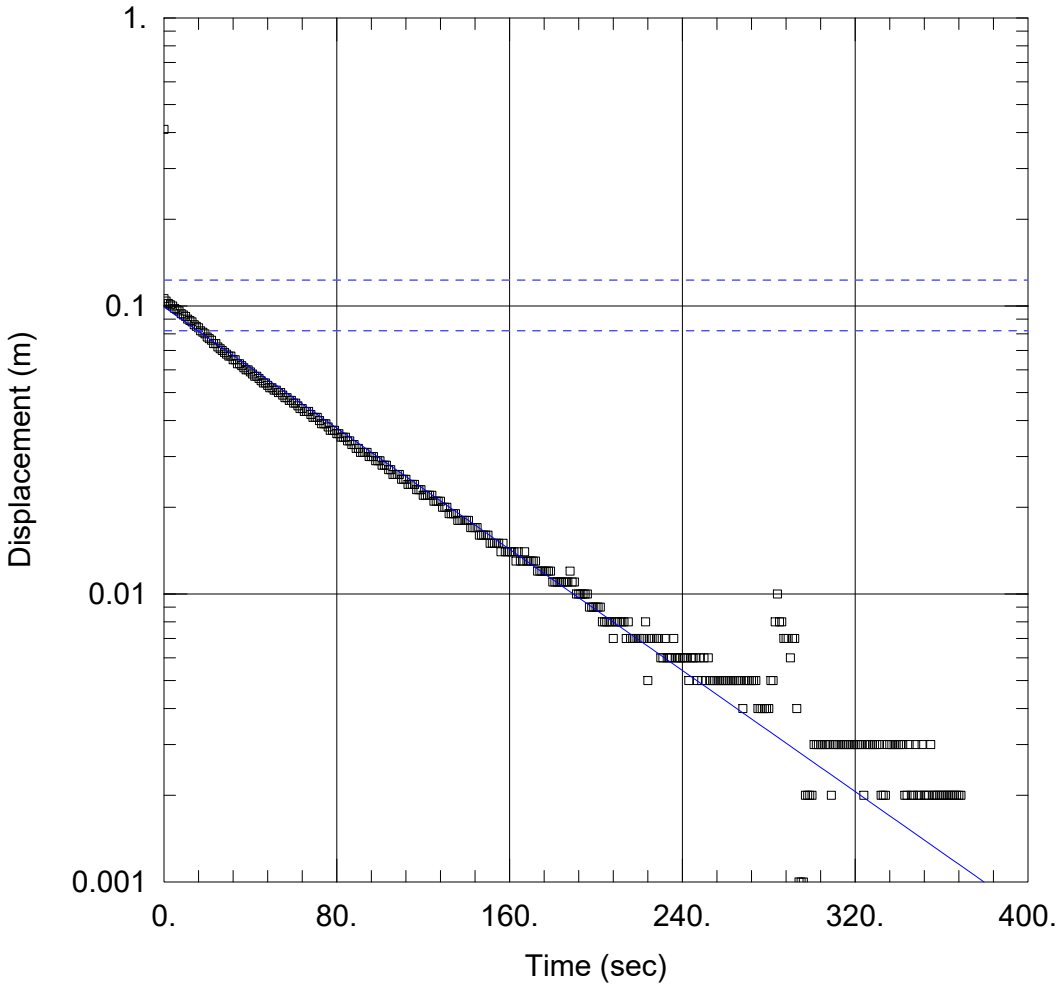
Saturated Thickness: 11.79 m
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (New Well)

Initial Displacement: 0.08 m
Total Well Penetration Depth: 11.79 m
Casing Radius: 0.0625 m
Static Water Column Height: 11.79 m
Screen Length: 3. m
Well Radius: 0.076 m

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 3.255 m/day
y0 = 0.05705 m



WELL TEST ANALYSIS

Data Set: C:\Users\deanfe\Desktop\Marks slug tests\Bore 11 aqtesolv\BH11 5L pour 3 m screen.aqt
Date: 03/17/21 Time: 14:02:03

PROJECT INFORMATION

Company: CDM Smith

AQUIFER DATA

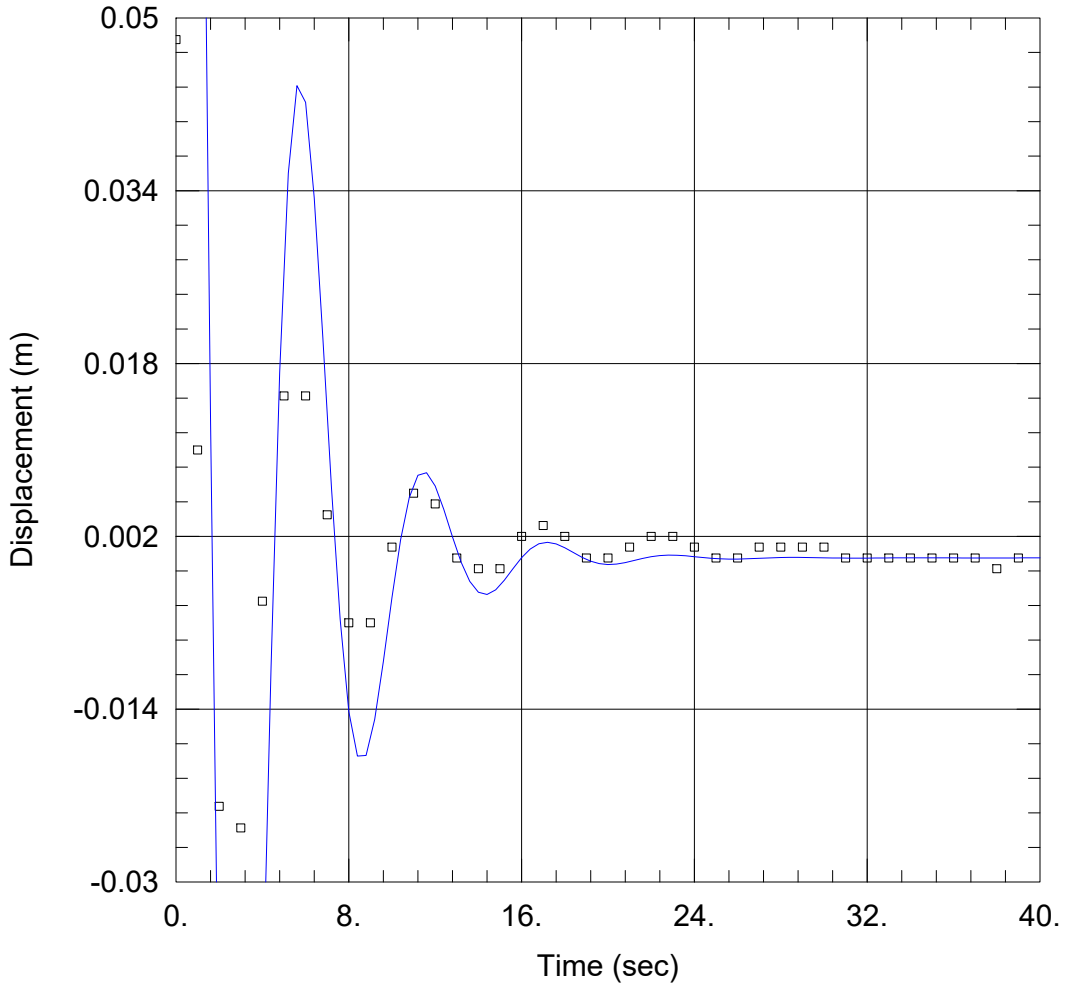
Saturated Thickness: 11.79 m Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (New Well)

Initial Displacement: 0.41 m
Total Well Penetration Depth: 11.79 m
Casing Radius: 0.0625 m
Static Water Column Height: 11.79 m
Screen Length: 3. m
Well Radius: 0.076 m

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 2.469 m/day
y0 = 0.09915 m



WELL TEST ANALYSIS

Data Set: C:\...\BH11 B RHT1 run 1 12 m screen.aqt
Date: 03/17/21 Time: 14:05:26

PROJECT INFORMATION

Company: CDM Smith

AQUIFER DATA

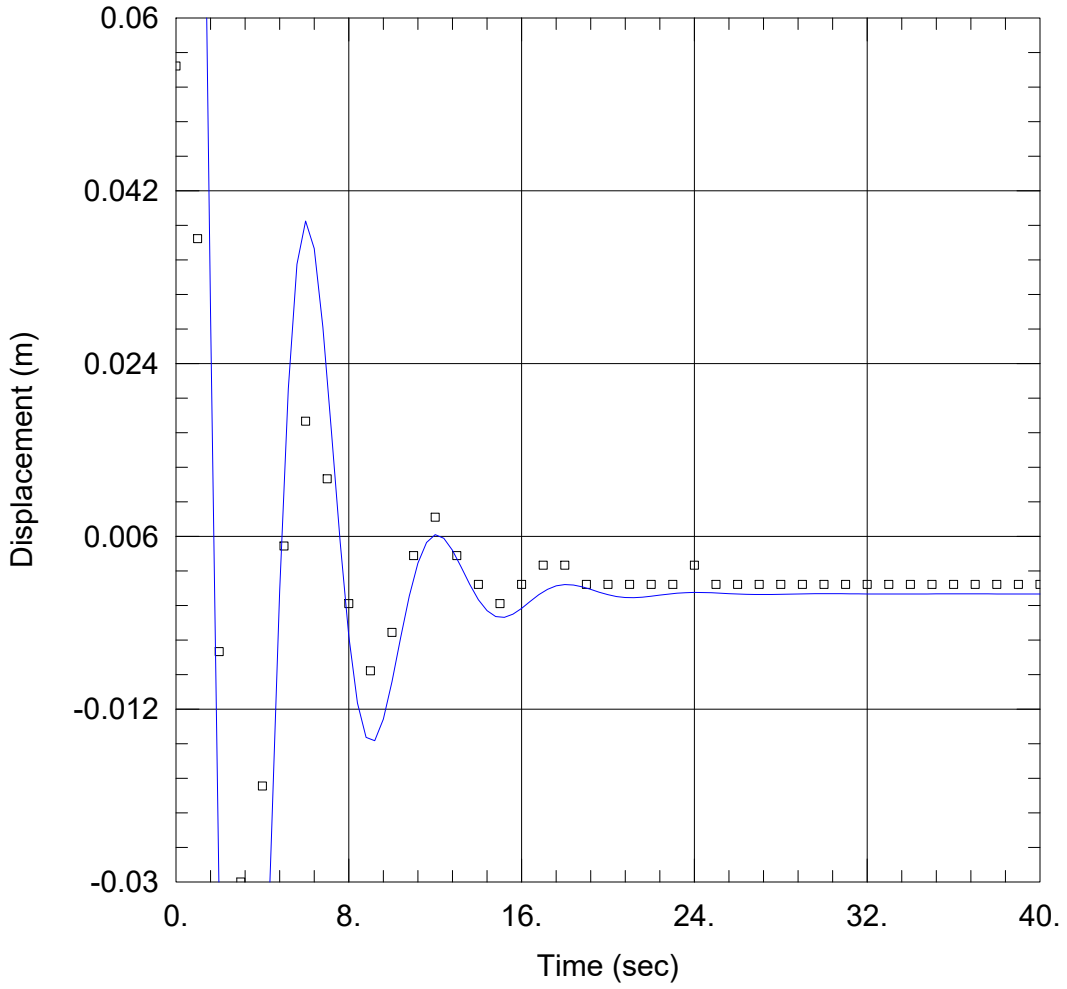
Saturated Thickness: 31.7 m
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (New Well)

Initial Displacement: 0.244 m
Total Well Penetration Depth: 31.7 m
Casing Radius: 0.0625 m
Static Water Column Height: 31.7 m
Screen Length: 12. m
Well Radius: 0.076 m

SOLUTION

Aquifer Model: Confined
Solution Method: Butler
K = 177.5 m/day
Le = 7.586 m



WELL TEST ANALYSIS

Data Set: C:\...\BH11 B RHT1 run 2 12 m screen.aqt
Date: 03/17/21 Time: 14:05:55

PROJECT INFORMATION

Company: CDM Smith

AQUIFER DATA

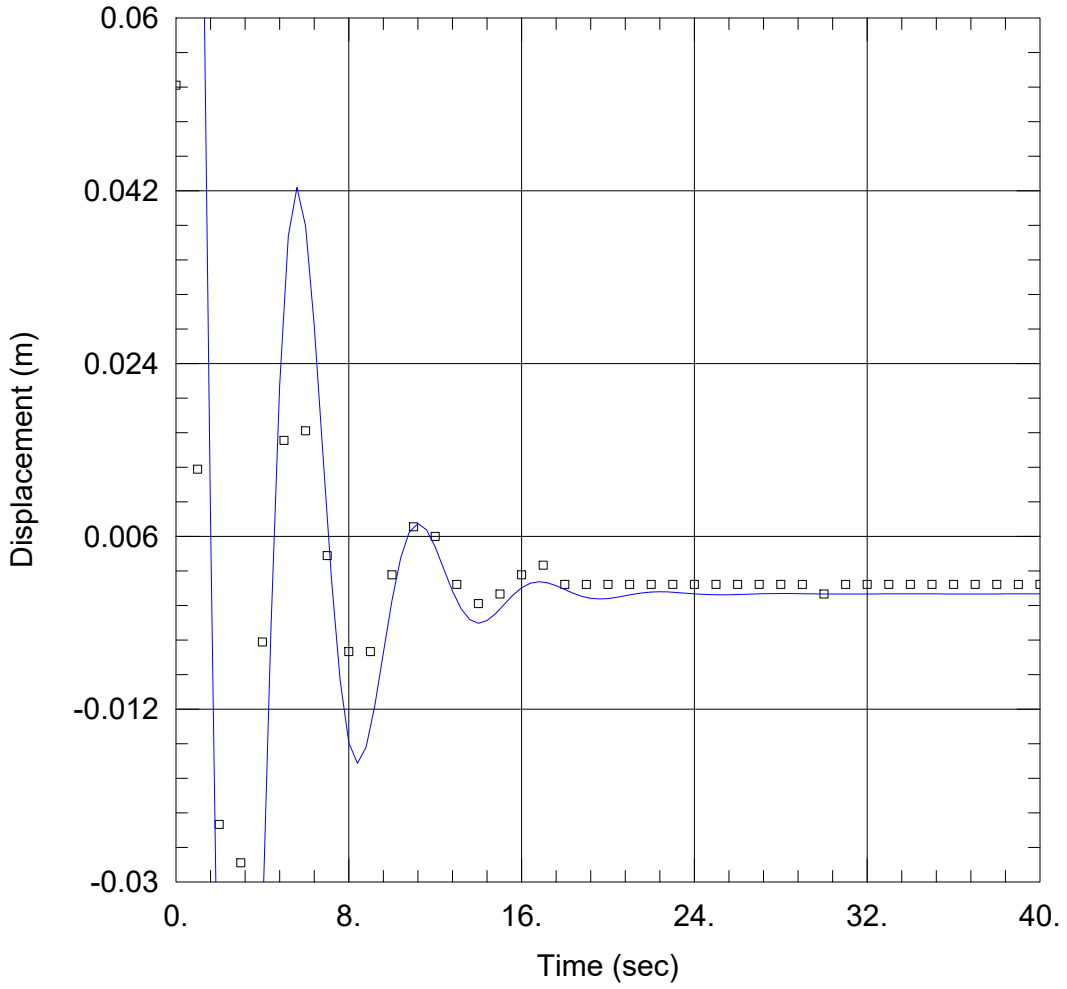
Saturated Thickness: 31.7 m
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (New Well)

Initial Displacement: 0.244 m
Total Well Penetration Depth: 31.7 m
Casing Radius: 0.0625 m
Static Water Column Height: 31.7 m
Screen Length: 12. m
Well Radius: 0.076 m

SOLUTION

Aquifer Model: Confined
Solution Method: Butler
K = 158.3 m/day
Le = 8.318 m



WELL TEST ANALYSIS

Data Set: C:\...\BH11 B RHT2 run 1 12 m screen.aqt
Date: 03/17/21 Time: 14:06:40

PROJECT INFORMATION

Company: CDM Smith

AQUIFER DATA

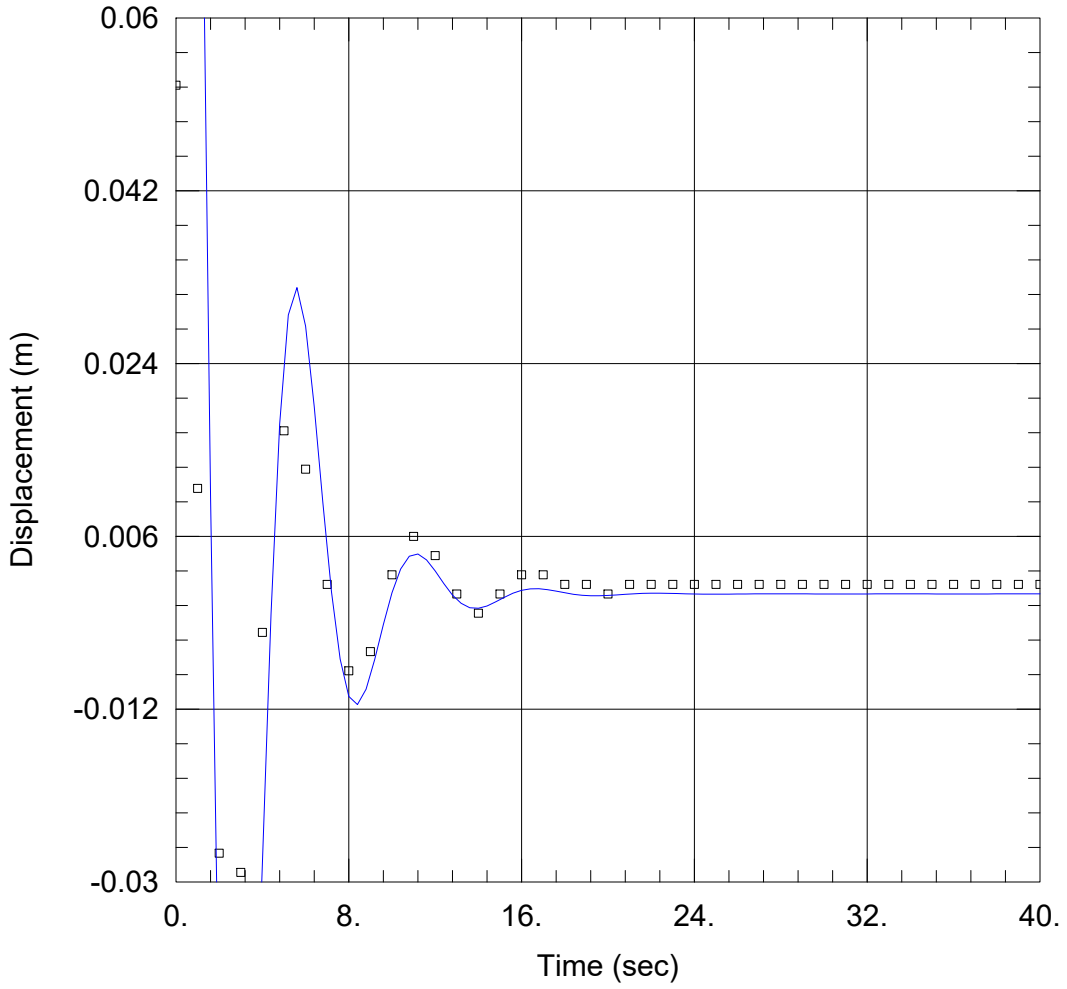
Saturated Thickness: 31.7 m
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (New Well)

Initial Displacement: 0.244 m
Total Well Penetration Depth: 31.7 m
Casing Radius: 0.0625 m
Static Water Column Height: 31.7 m
Screen Length: 12. m
Well Radius: 0.076 m

SOLUTION

Aquifer Model: Confined
Solution Method: Butler
K = 177.5 m/day
Le = 7.244 m



WELL TEST ANALYSIS

Data Set: C:\...\BH11 B RHT2 run 2 12 m screen.aqt
Date: 03/17/21 Time: 14:08:14

PROJECT INFORMATION

Company: CDM Smith

AQUIFER DATA

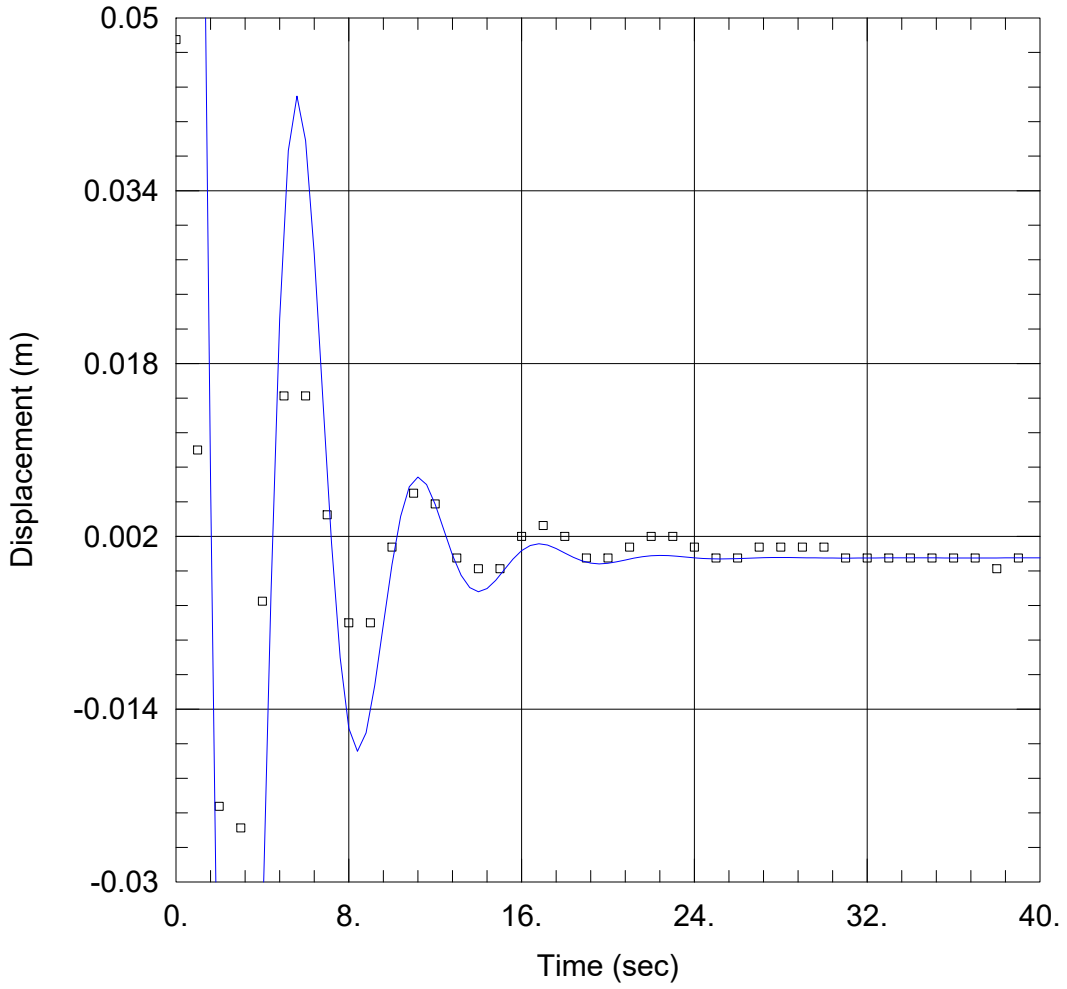
Saturated Thickness: 31.7 m
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (New Well)

Initial Displacement: 0.244 m
Total Well Penetration Depth: 31.7 m
Casing Radius: 0.0625 m
Static Water Column Height: 31.7 m
Screen Length: 12. m
Well Radius: 0.076 m

SOLUTION

Aquifer Model: Confined
Solution Method: Butler
K = 158.3 m/day
Le = 6.918 m



WELL TEST ANALYSIS

Data Set: C:\...\BH11 B RHT1 run 1 6 m screen.aqt
Date: 03/17/21 Time: 14:05:15

PROJECT INFORMATION

Company: CDM Smith

AQUIFER DATA

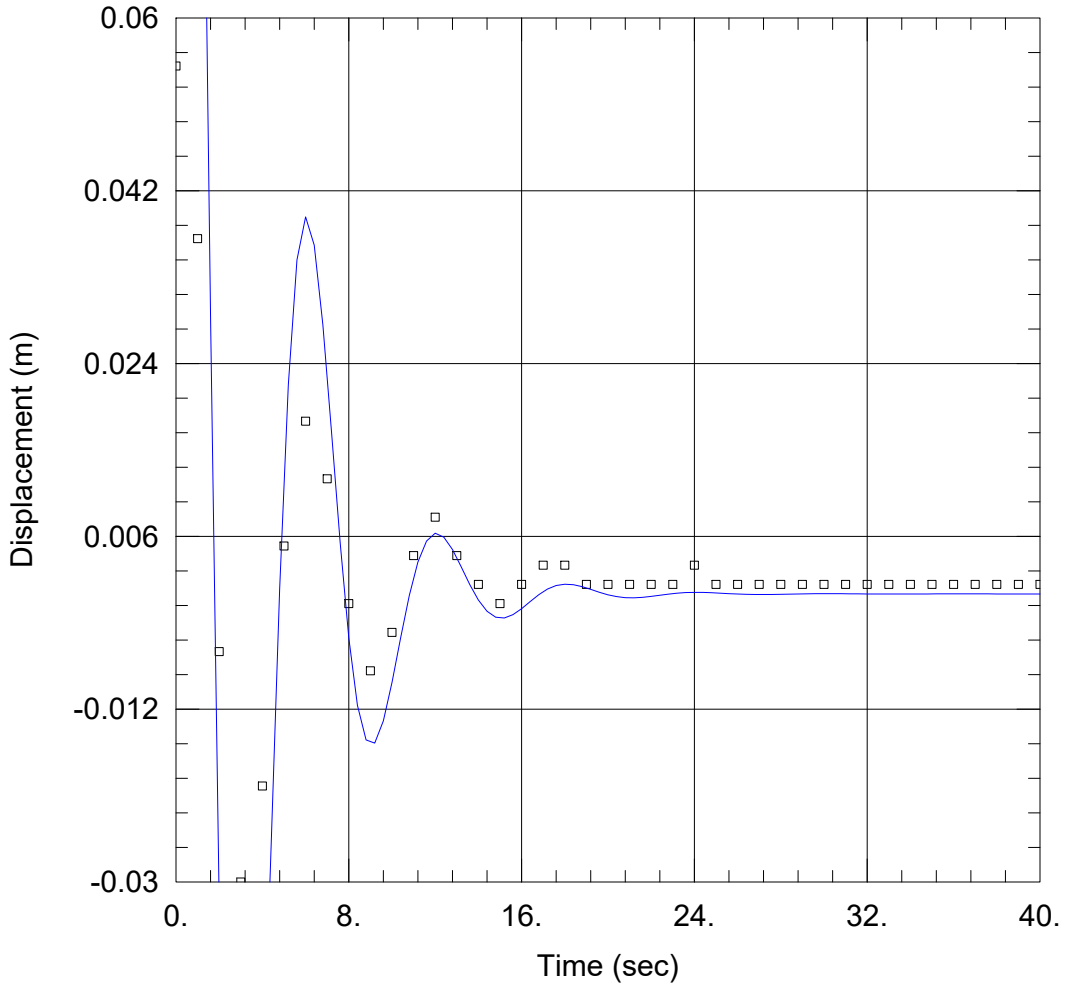
Saturated Thickness: 31.7 m
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (New Well)

Initial Displacement: 0.244 m
Total Well Penetration Depth: 31.7 m
Casing Radius: 0.0625 m
Static Water Column Height: 31.7 m
Screen Length: 6. m
Well Radius: 0.076 m

SOLUTION

Aquifer Model: Confined
Solution Method: Butler
K = 314.7 m/day
Le = 7.244 m



WELL TEST ANALYSIS

Data Set: C:\...\BH11 B RHT1 run 2 6 m screen.aqt
Date: 03/17/21 Time: 14:05:40

PROJECT INFORMATION

Company: CDM Smith

AQUIFER DATA

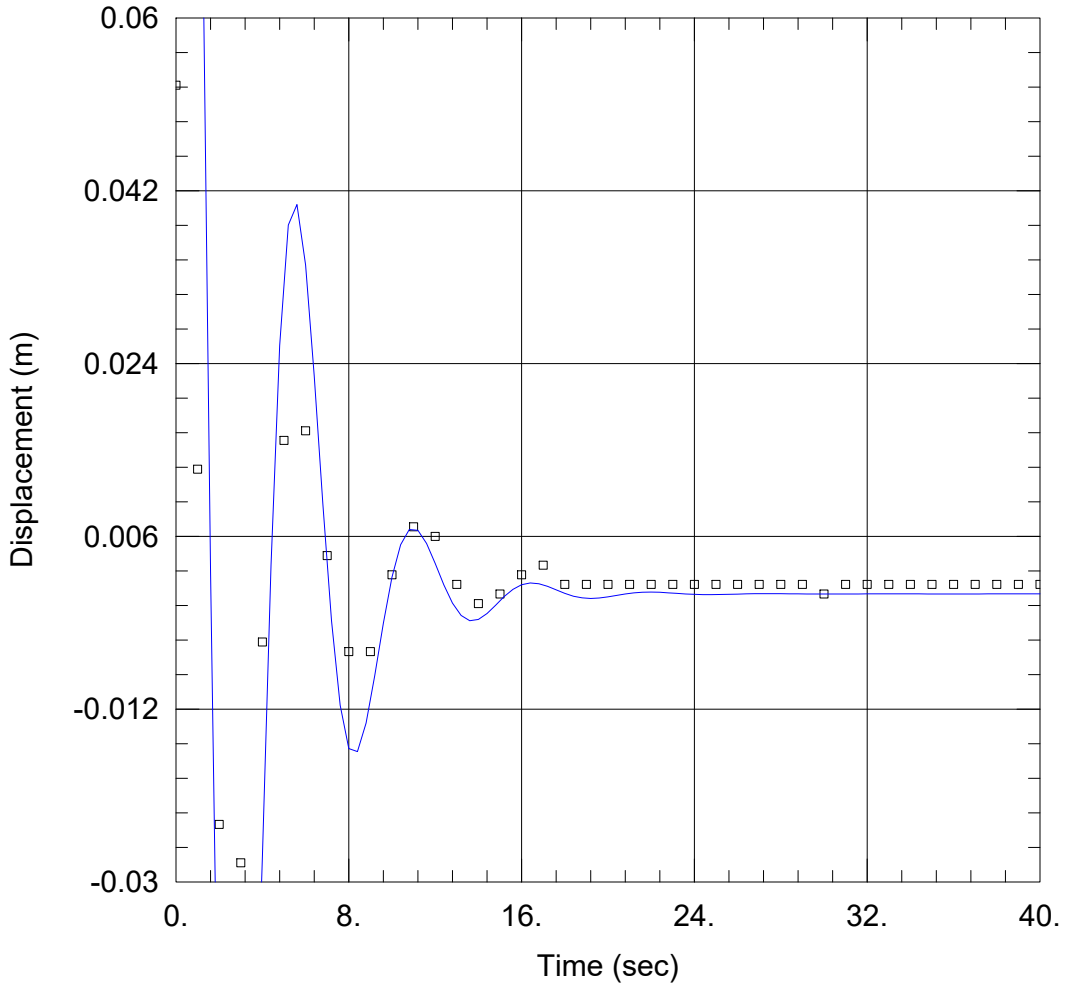
Saturated Thickness: 31.7 m Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (New Well)

Initial Displacement: 0.244 m
Total Well Penetration Depth: 31.7 m
Casing Radius: 0.0625 m
Static Water Column Height: 31.7 m
Screen Length: 6. m
Well Radius: 0.076 m

SOLUTION

Aquifer Model: Confined
Solution Method: Butler
K = 280.7 m/day
Le = 8.318 m



WELL TEST ANALYSIS

Data Set: C:\...\BH11 B RHT2 run 1 6 m screen.aqt
Date: 03/17/21 Time: 14:06:11

PROJECT INFORMATION

Company: CDM Smith

AQUIFER DATA

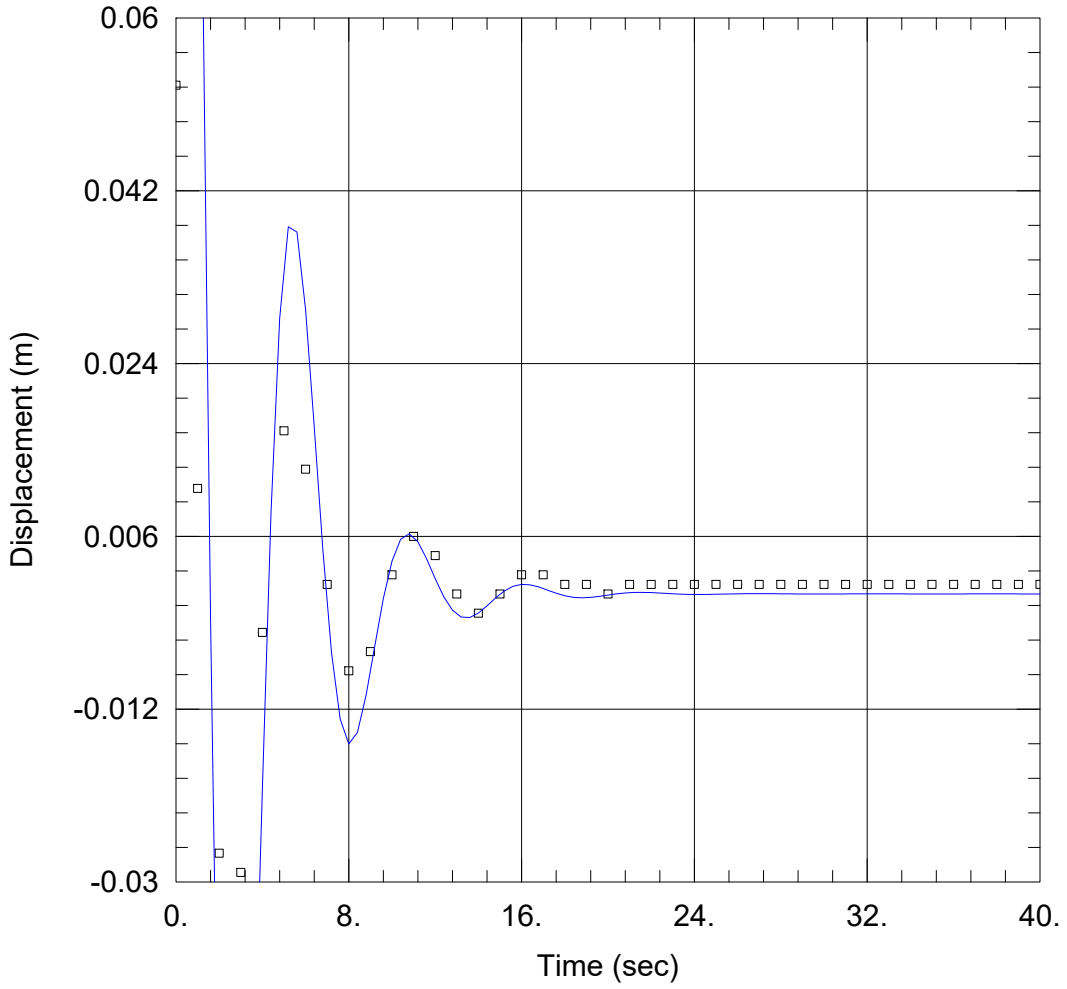
Saturated Thickness: 31.7 m
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (New Well)

Initial Displacement: 0.244 m
Total Well Penetration Depth: 31.7 m
Casing Radius: 0.0625 m
Static Water Column Height: 31.7 m
Screen Length: 6. m
Well Radius: 0.076 m

SOLUTION

Aquifer Model: Confined
Solution Method: Butler
K = 314.7 m/day
Le = 6.918 m



WELL TEST ANALYSIS

Data Set: C:\...\BH11 B RHT2 run 2 6 m screen.aqt
Date: 03/17/21 Time: 14:07:57

PROJECT INFORMATION

Company: CDM Smith

AQUIFER DATA

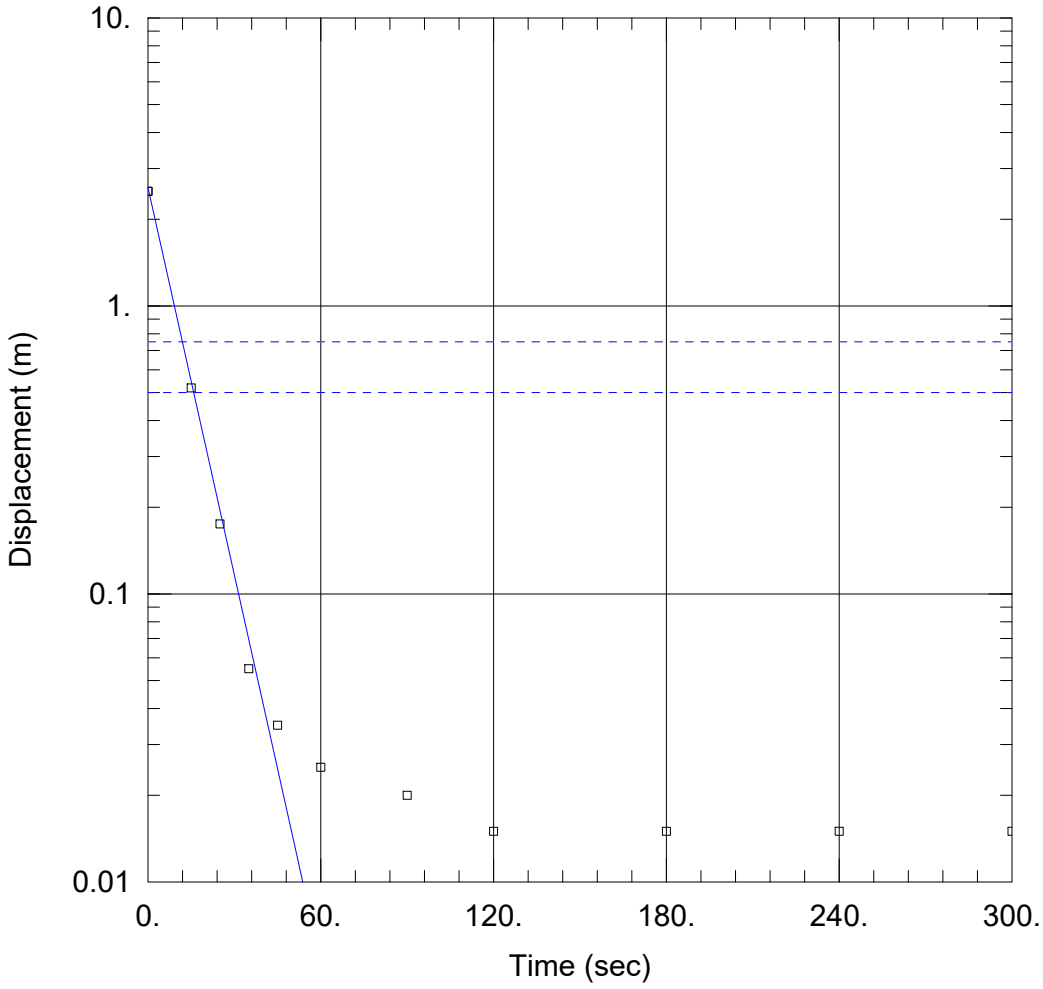
Saturated Thickness: 31.7 m
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (New Well)

Initial Displacement: 0.244 m
Total Well Penetration Depth: 31.7 m
Casing Radius: 0.0625 m
Static Water Column Height: 31.7 m
Screen Length: 6. m
Well Radius: 0.076 m

SOLUTION

Aquifer Model: Confined
Solution Method: Butler
K = 314.7 m/day
Le = 6.607 m



WELL TEST ANALYSIS

Data Set: C:\Users\deanfe\Desktop\RN182169 FHT.aqt
Date: 04/08/21 Time: 15:58:20

PROJECT INFORMATION

Company: CDM Smith
Test Well: RN182169

AQUIFER DATA

Saturated Thickness: 12.16 m Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (RN182169)

Initial Displacement: 2.5 m
Static Water Column Height: 12.16 m
Total Well Penetration Depth: 12.16 m
Screen Length: 6. m
Casing Radius: 0.025 m
Well Radius: 0.075 m

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

K = 1.773 m/day
y0 = 2.576 m