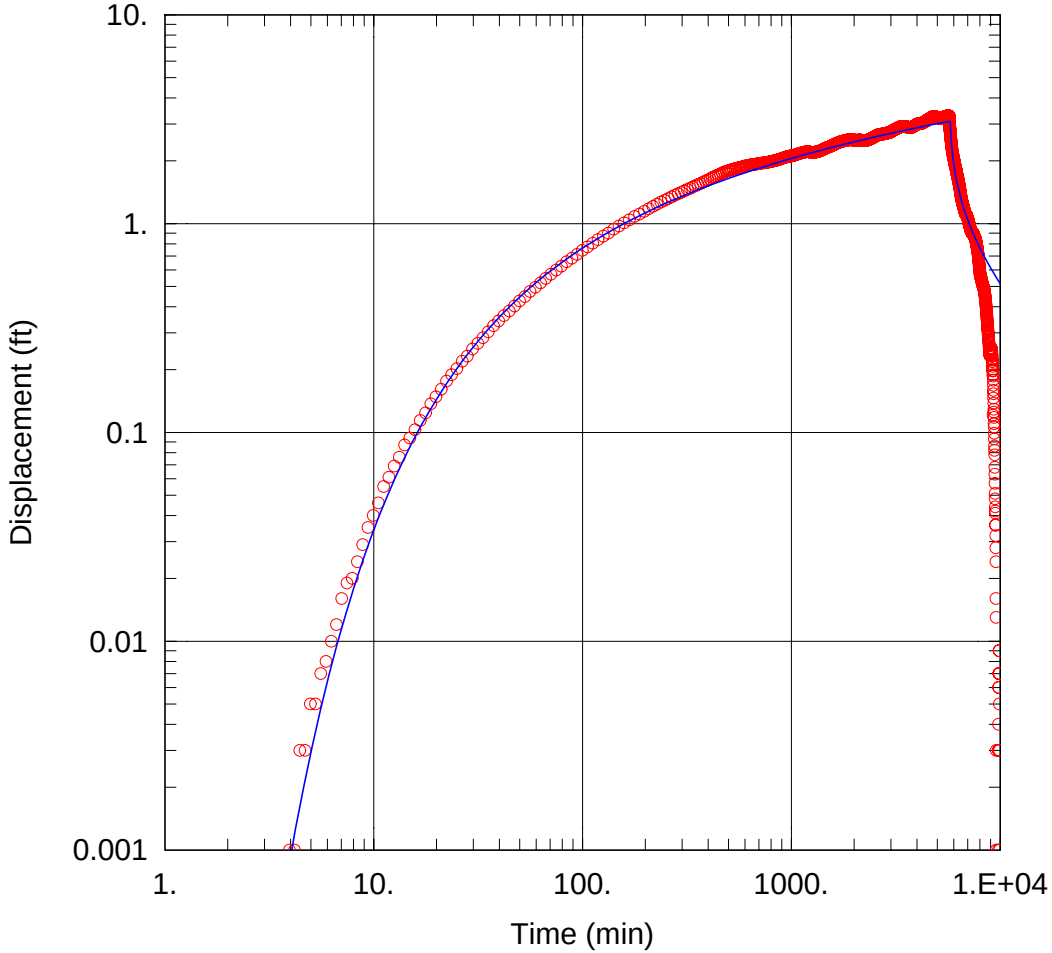
7th Street Response to EW-5 Pumping - Trend Corrected Data

Prepared By:	Prepared For:
SECOR International Inc.	SBMWD
Project:	**Location:**
Newmark Superfund Site	San Bernaridino, CA



Data Set: J:\...\7TH ST TO EW-5 (TC).AQT
Date: 02/06/04 Time: 03:56:45

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 5.371E+04 ft^2/day
S = 0.0006963
Kz/Kr = 0.1
b = 750. ft

WELL DATA

Pumping Wells

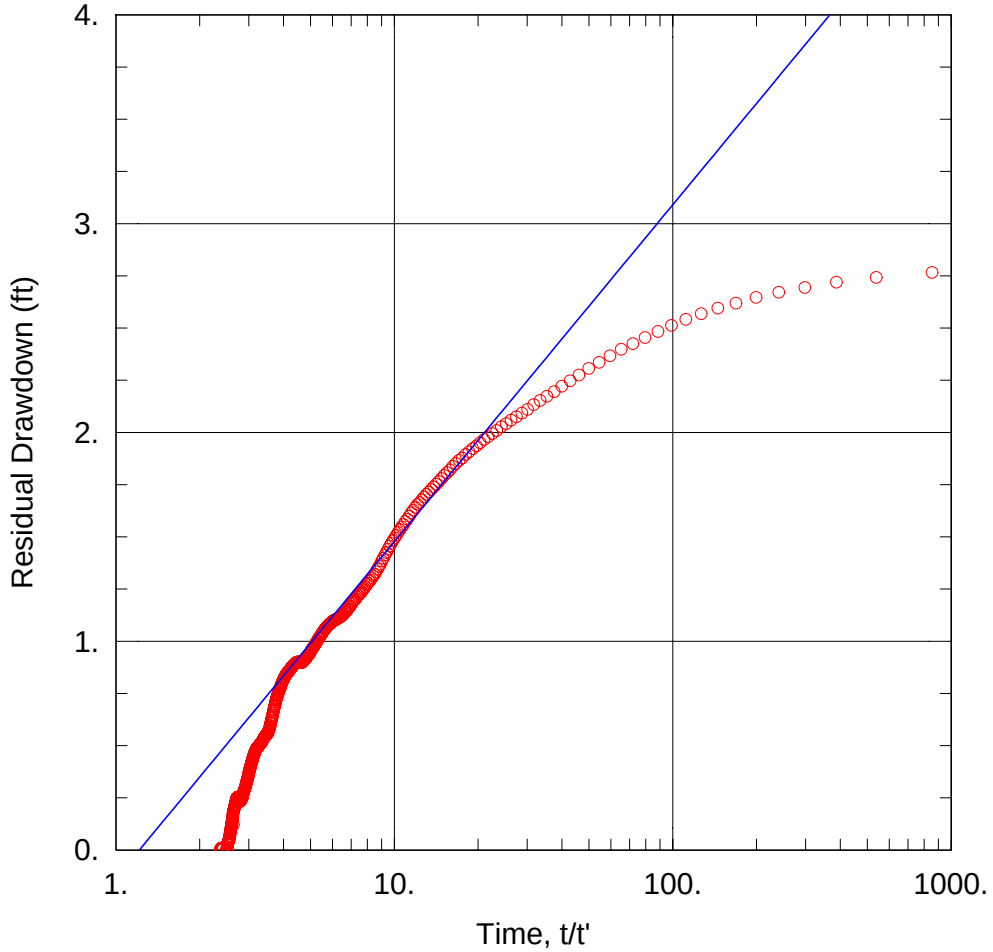
Well Name	X (ft)	Y (ft)
EW-5	6778997.9	1866535.5

Observation Wells

Well Name	X (ft)	Y (ft)
○ 7th St (TC)	6779216.6	1864532

7th Street Response to EW-5 Pumping - Trend Corrected Data

Prepared By:	Prepared For:
SECOR International Inc.	SBMWD
Project:	**Location:**
Newmark Superfund Site	San Bernaridino, CA



Data Set: J:\...\7TH ST TO EW-5 (TC) REC.aqt
Date: 02/06/04 Time: 03:54:44

SOLUTION

Aquifer Model: Confined
Solution Method: Theis (Recovery)

T = 4.62E+04 ft^2/day
S/S' = 1.214

AQUIFER DATA

Saturated Thickness: 750. ft
Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA

Pumping Wells

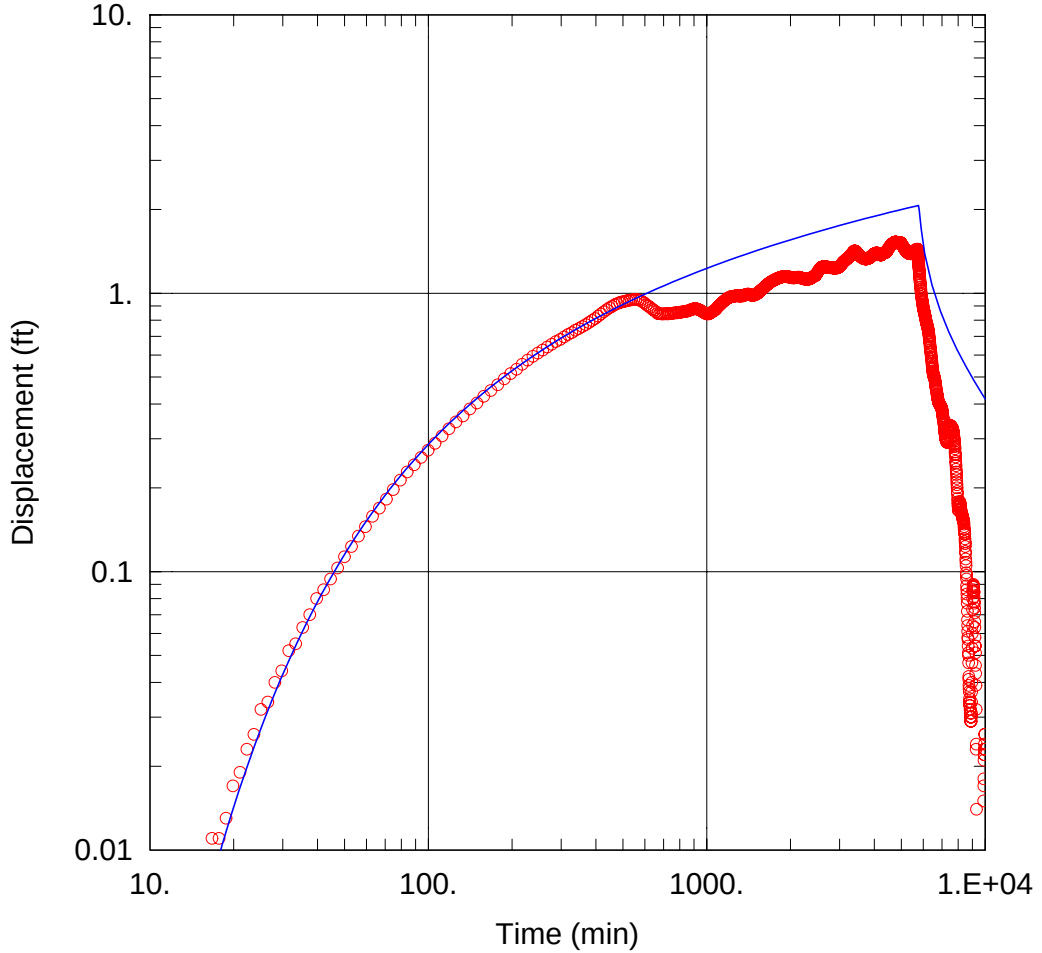
Well Name	X (ft)	Y (ft)
EW-5	6778997.9	1866535.5

Observation Wells

Well Name	X (ft)	Y (ft)
○ 7th St (TC)	6779216.6	1864532

16th Street Response to EW-5 Pumping - Trend Corrected Drawdown

Prepared By:	Prepared For:
SECOR International Inc.	SBMWD
Project:	**Location:**
Newmark Superfund Site	San Bernardino, CA



Data Set: J:\...\16TH ST TO EW-5 (TC).AQT
Date: 02/06/04 Time: 04:00:09

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 6.6E+04 ft^2/day
S = 0.0006592
Kz/Kr = 0.1
b = 750. ft

WELL DATA

Pumping Wells

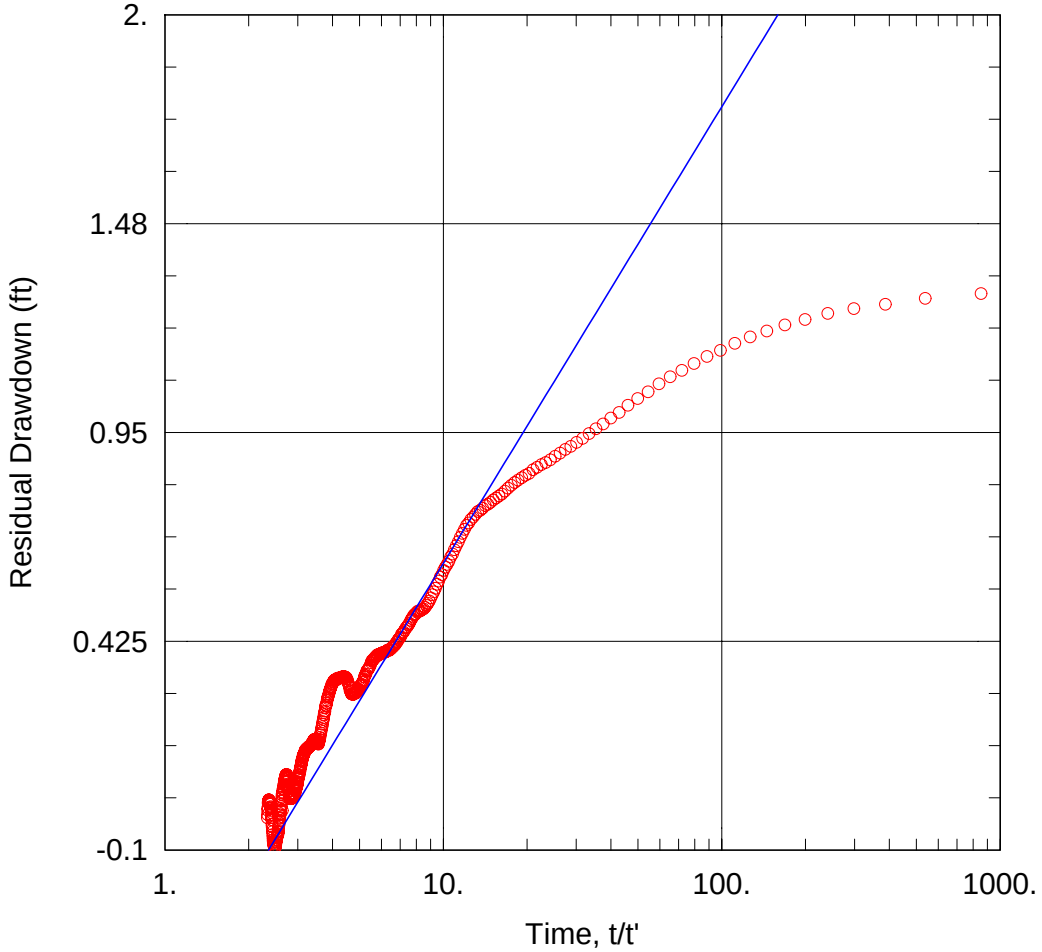
Well Name	X (ft)	Y (ft)
EW-5	6778997.9	1866535.5

Observation Wells

Well Name	X (ft)	Y (ft)
○ 16th St (TC)	6777416.9	1869838.8

16th Street Response to EW-5 Pumping - Trend Corrected Drawdown

Prepared By:	Prepared For:
SECOR International Inc.	SBMWD
Project:	**Location:**
Newmark Superfund Site	San Bernardino, CA



Data Set: J:\...\16TH ST TO EW-5 (TC) REC.aqt
Date: 02/06/04 Time: 03:58:19

SOLUTION

Aquifer Model: Confined
Solution Method: Theis (Recovery)

T = 6.492E+04 ft^2/day
S/S' = 2.879

AQUIFER DATA

Saturated Thickness: 750. ft
Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA

Pumping Wells

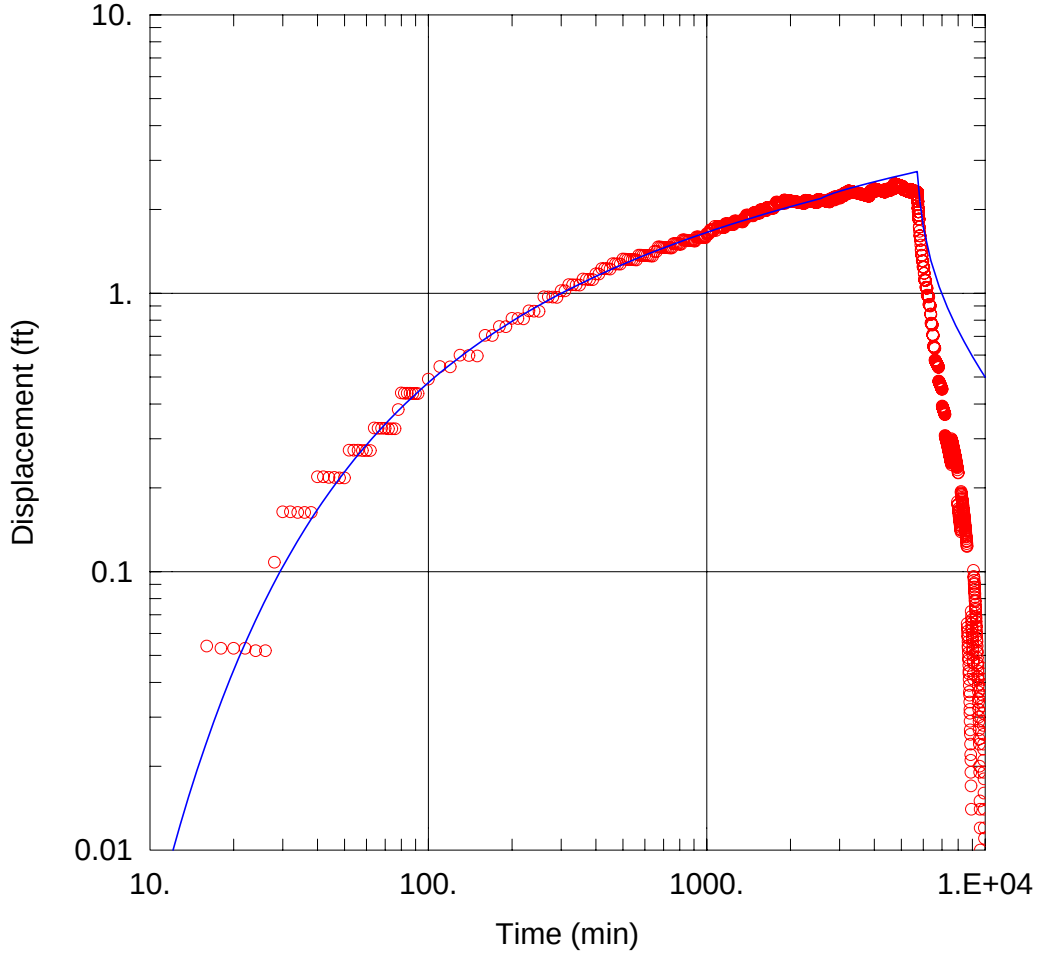
Well Name	X (ft)	Y (ft)
EW-5	6778997.9	1866535.5

Observation Wells

Well Name	X (ft)	Y (ft)
○ 16th St (TC)	6777416.9	1869838.8

EW-1B Response to EW-4 - Trend-Corrected Data

Prepared By:	Prepared For:
SECOR International Inc.	SBMWD
Project:	**Location:**
Newmark Superfund Site	San Bernardino, CA



Data Set: J:\...\EW-1B TO EW-4(TC) Theis.AQT
Date: 02/06/04 Time: 04:55:00

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 5.098E+04 ft^2/day
S = 0.0008047
Kz/Kr = 0.1
b = 780. ft

WELL DATA

Pumping Wells

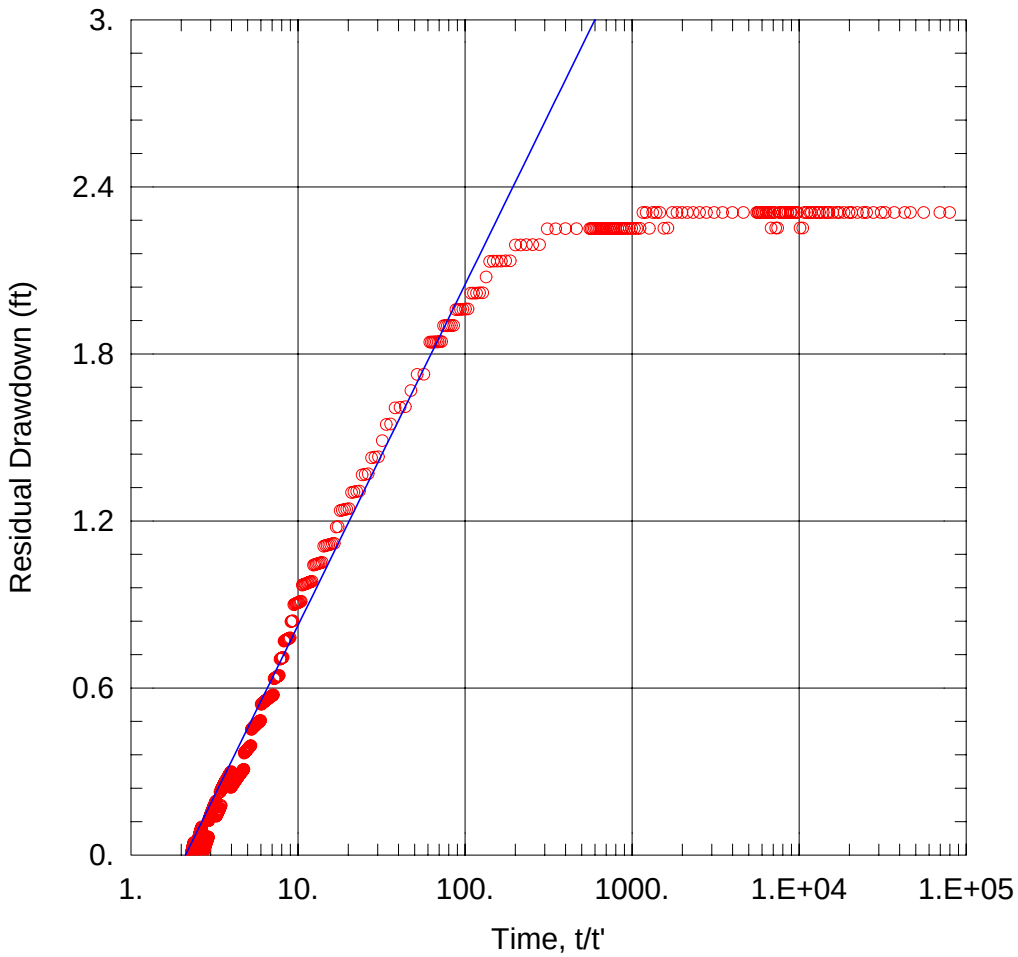
Well Name	X (ft)	Y (ft)
EW-4	6777956.9	1866565.8

Observation Wells

Well Name	X (ft)	Y (ft)
○ EW-1B	6775521.8	1866594.1

EW-1B Response to EW-4 - Trend-Corrected Data

Prepared By:	Prepared For:
SECOR International Inc.	SBMWD
Project:	**Location:**
Newmark Superfund Site	San Bernardino, CA



Data Set: J:\...\EW-1B TO EW-4(TC) REC.AQT
Date: 02/06/04 Time: 04:54:30

SOLUTION

Aquifer Model: Confined
Solution Method: Theis (Recovery)

T = 5.778E+04 ft^2/day
S/S' = 2.121

AQUIFER DATA

Saturated Thickness: 780. ft
Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA

Pumping Wells

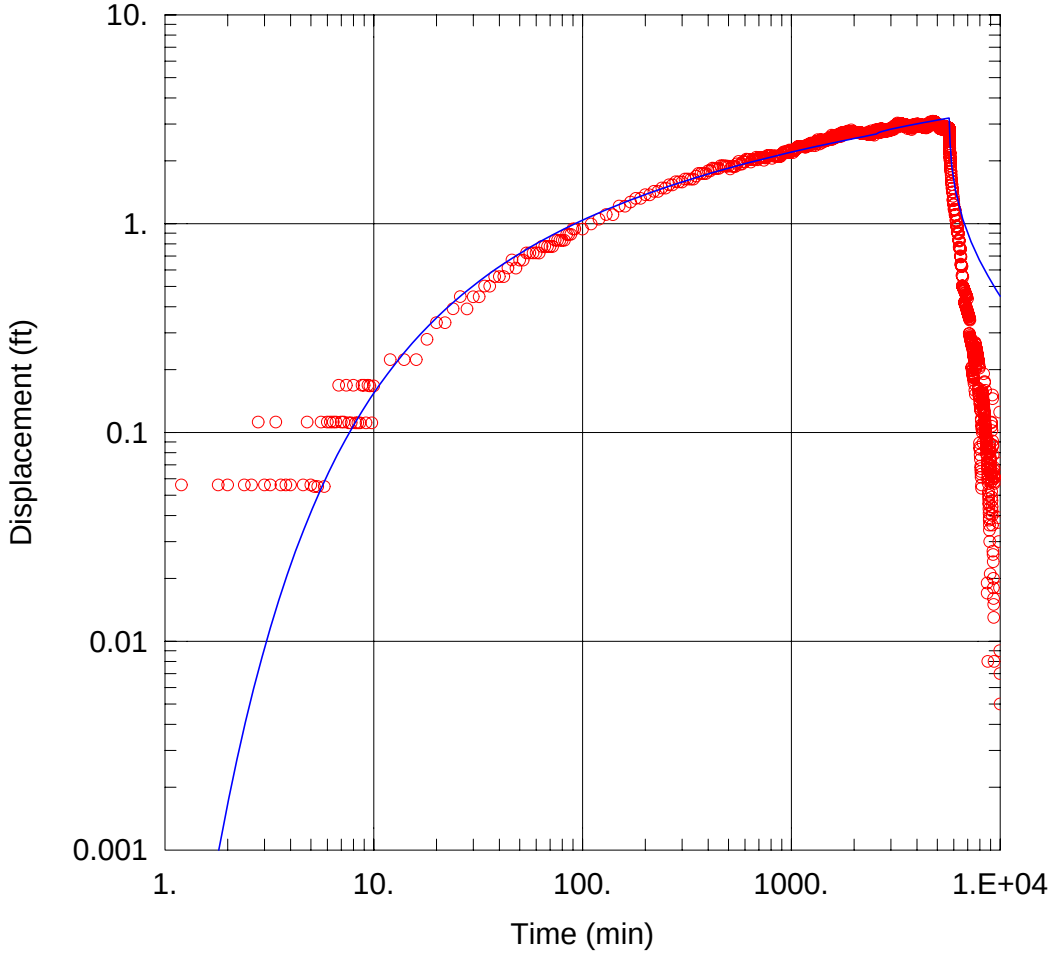
Well Name	X (ft)	Y (ft)
EW-4	6777956.9	1866565.8

Observation Wells

Well Name	X (ft)	Y (ft)
○ EW-1B	6775521.8	1866594.1

EW-2B Response to EW-4 - w/o Partial Penetration

Prepared By:	Prepared For:
SECOR International Inc.	SBMWD
Project:	**Location:**
Newmark Superfund Site	San Bernardino, CA



Data Set: J:\...\EW-2B TO EW-4(TC) Theis.AQT
Date: 02/06/04 Time: 04:55:54

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 5.692E+04 ft^2/day
S = 0.0005844
Kz/Kr = 0.1
b = 780. ft

WELL DATA

Pumping Wells

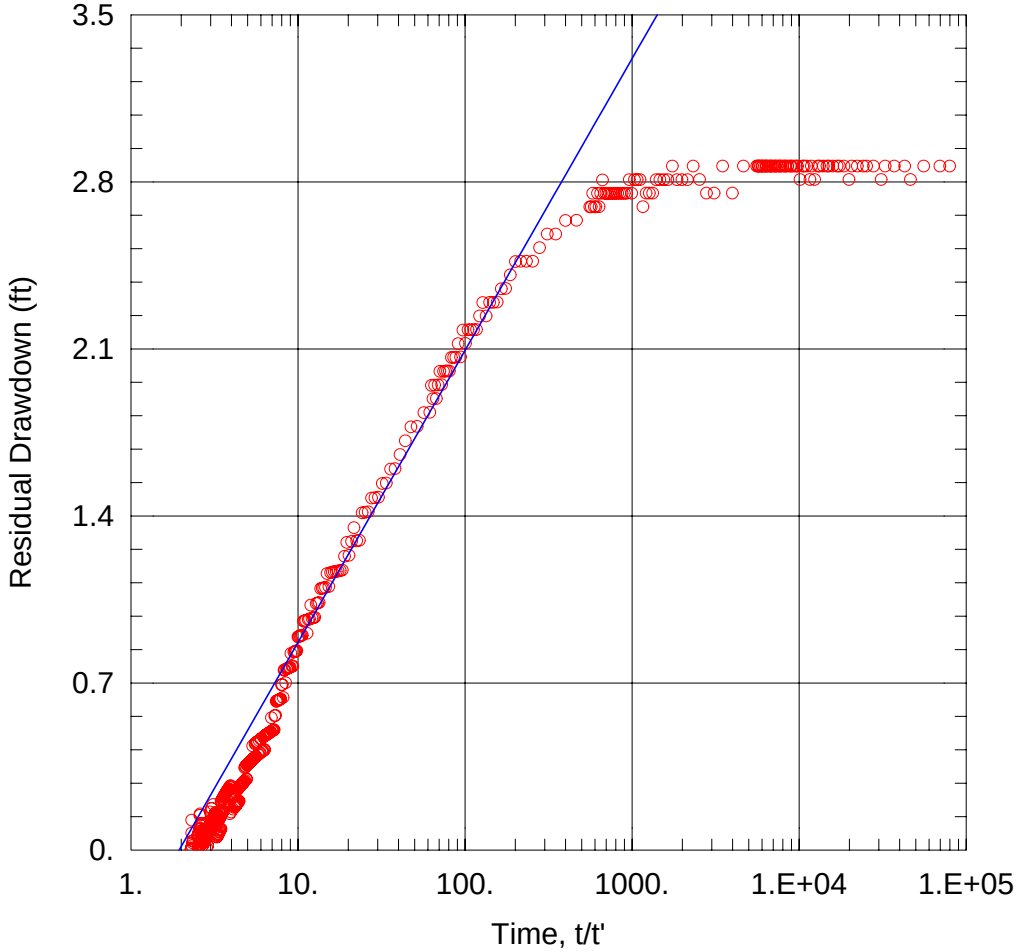
Well Name	X (ft)	Y (ft)
EW-4	6777956.9	1866565.8

Observation Wells

Well Name	X (ft)	Y (ft)
○ EW-2B	6776471.8	1866741.9

EW-2B Response to EW-4 - Trend-Corrected Data

Prepared By:	Prepared For:
SECOR International Inc.	SBMWD
Project:	**Location:**
Newmark Superfund Site	San Bernardino, CA



Data Set: J:\...\EW-2B TO EW-4(TC) REC.AQT
Date: 02/06/04 Time: 04:55:31

SOLUTION

Aquifer Model: Confined
Solution Method: Theis (Recovery)

T = 5.782E+04 ft^2/day
S/S' = 1.944

AQUIFER DATA

Saturated Thickness: 780. ft
Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA

Pumping Wells

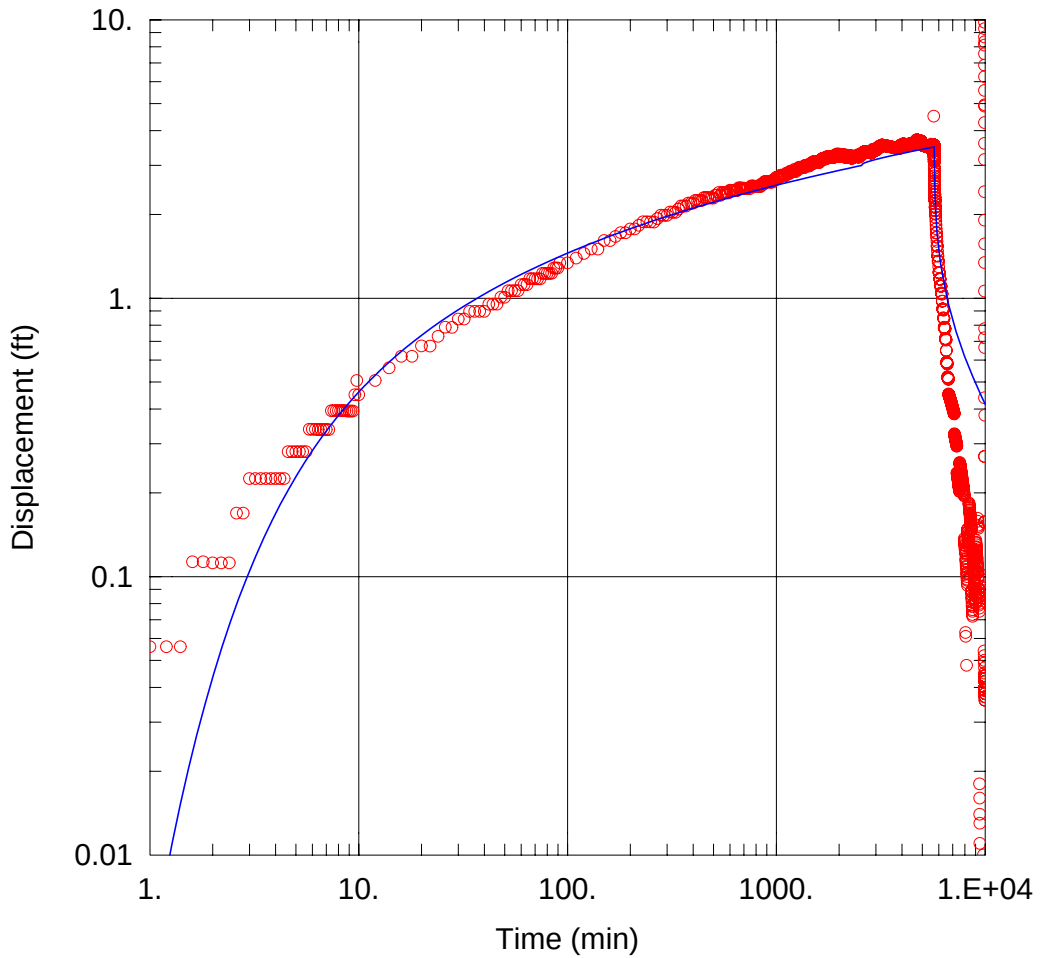
Well Name	X (ft)	Y (ft)
EW-4	6777956.9	1866565.8

Observation Wells

Well Name	X (ft)	Y (ft)
○ EW-2B	6776471.8	1866741.9

EW-3B Response to EW-4 - w/ Partial Penetration

Prepared By:	Prepared For:
SECOR International Inc.	SBMWD
Project:	**Location:**
Newmark Superfund Site	San Bernardino, CA



Data Set: J:\...\EW-3B TO EW-4(TC) PP Theis.AQT
Date: 02/06/04 Time: 04:56:24

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 6.148E+04 ft^2/day
S = 0.0009161
Kz/Kr = 0.1
b = 780. ft

WELL DATA

Pumping Wells

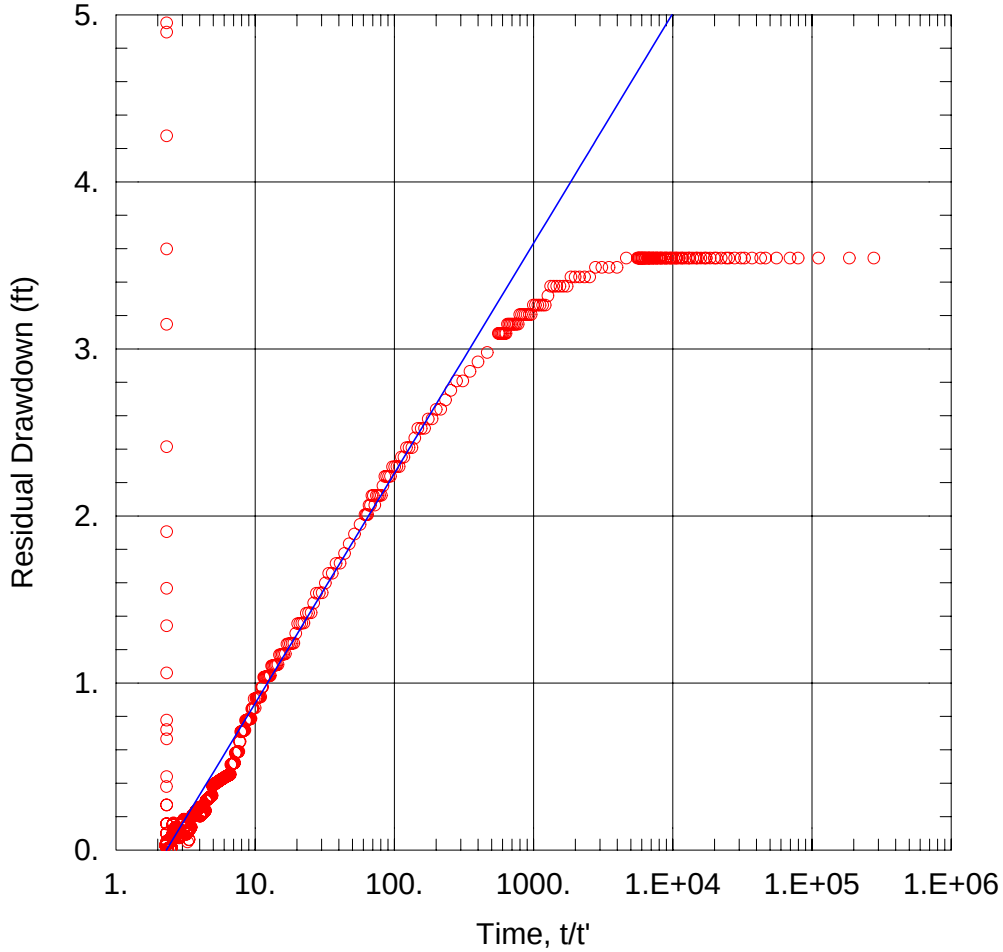
Well Name	X (ft)	Y (ft)
EW-4	6777956.9	1866565.8

Observation Wells

Well Name	X (ft)	Y (ft)
○ EW-3B	6777151.5	1866775.6

EW-3B Response to EW-4 - Trend-Corrected Data

Prepared By:	Prepared For:
SECOR International Inc.	SBMWD
Project:	**Location:**
Newmark Superfund Site	San Bernardino, CA



Data Set: J:\...\EW-3B TO EW-4(TC) REC.AQT
Date: 02/06/04 Time: 04:56:44

SOLUTION

Aquifer Model: Confined
Solution Method: Theis (Recovery)

T = 5.137E+04 ft^2/day
S/S' = 2.302

AQUIFER DATA

Saturated Thickness: 780. ft
Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA

Pumping Wells

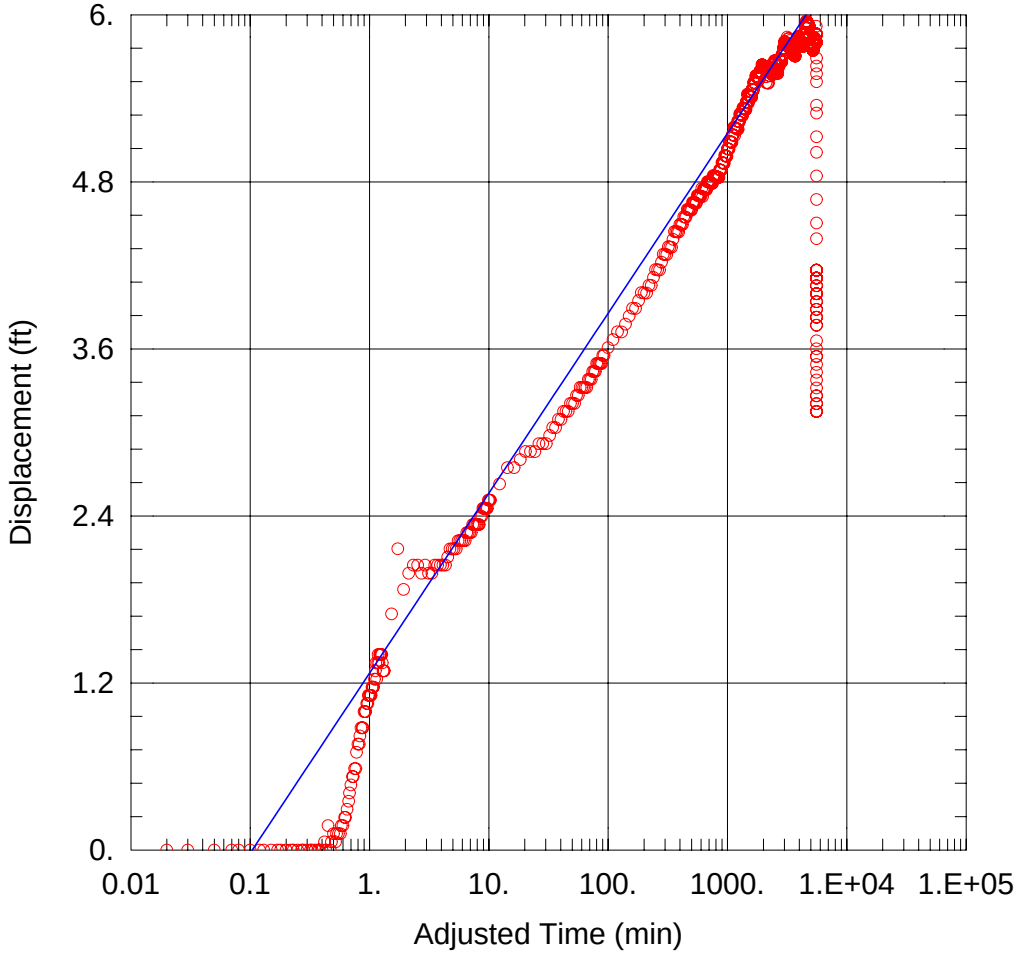
Well Name	X (ft)	Y (ft)
EW-4	6777956.9	1866565.8

Observation Wells

Well Name	X (ft)	Y (ft)
○ EW-3B	6777151.5	1866775.6

EW-4B Response to EW-4 - Trend-Corrected Data

Prepared By:	Prepared For:
SECOR International Inc.	SBMWD
Project:	**Location:**
Newmark Superfund Site	San Bernardino, CA



Data Set: J:\...\EW-4B TO EW-4(TC).AQT
Date: 02/06/04 Time: 04:57:26

SOLUTION

Aquifer Model: Confined
Solution Method: Cooper-Jacob

T = 5.469E+04 ft^2/day
S = 7.607

AQUIFER DATA

Saturated Thickness: 780. ft
Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA

Pumping Wells

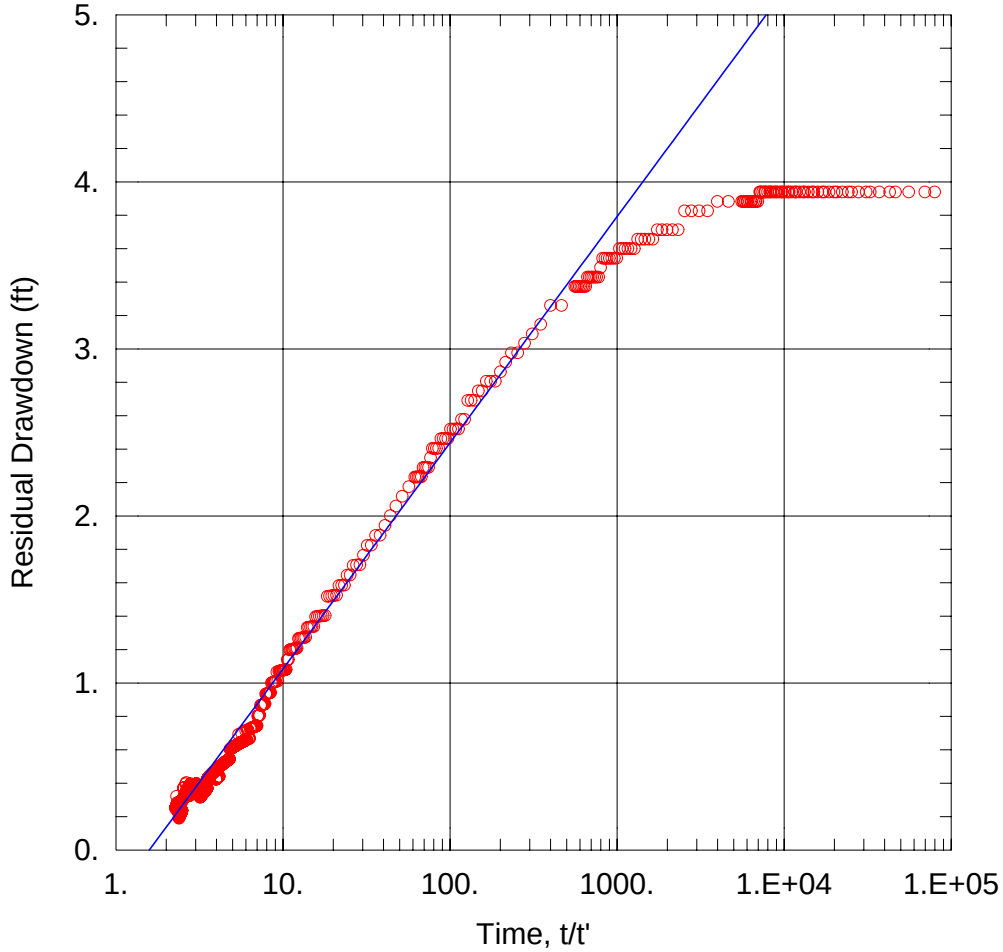
Well Name	X (ft)	Y (ft)
EW-4	6777956.9	1866565.8

Observation Wells

Well Name	X (ft)	Y (ft)
○ EW-4B	6777956.9	1866565.8

EW-4B Response to EW-4 - Trend-Corrected Data

Prepared By:	Prepared For:
SECOR International Inc.	SBMWD
Project:	**Location:**
Newmark Superfund Site	San Bernardino, CA



Data Set: J:\...\EW-4B TO EW-4(TC) REC.AQT
Date: 02/06/04 Time: 04:57:05

SOLUTION

Aquifer Model: Confined
Solution Method: Theis (Recovery)

T = 5.223E+04 ft^2/day
S/S' = 1.585

AQUIFER DATA

Saturated Thickness: 780. ft
Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA

Pumping Wells

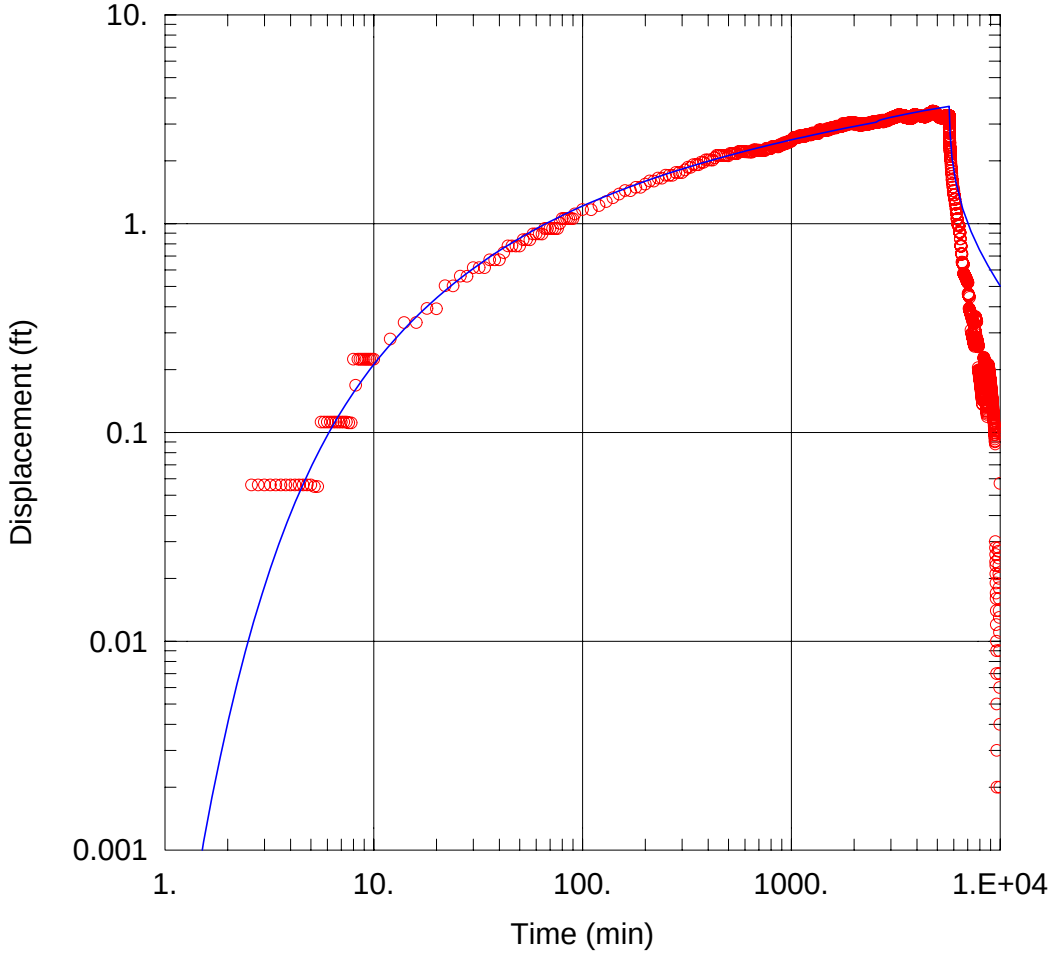
Well Name	X (ft)	Y (ft)
EW-4	6777956.9	1866565.8

Observation Wells

Well Name	X (ft)	Y (ft)
○ EW-4B	6777956.9	1866565.8

EW-5B Response to EW-4 - w/ Partial Penetration

Prepared By:	Prepared For:
SECOR International Inc.	SBMWD
Project:	**Location:**
Newmark Superfund Site	San Bernardino, CA



Data Set: J:\...\EW-5B TO EW-4(TC) PP Theis.AQT
Date: 02/06/04 Time: 04:57:50

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 5.082E+04 ft^2/day
S = 0.0009572
Kz/Kr = 0.1
b = 780. ft

WELL DATA

Pumping Wells

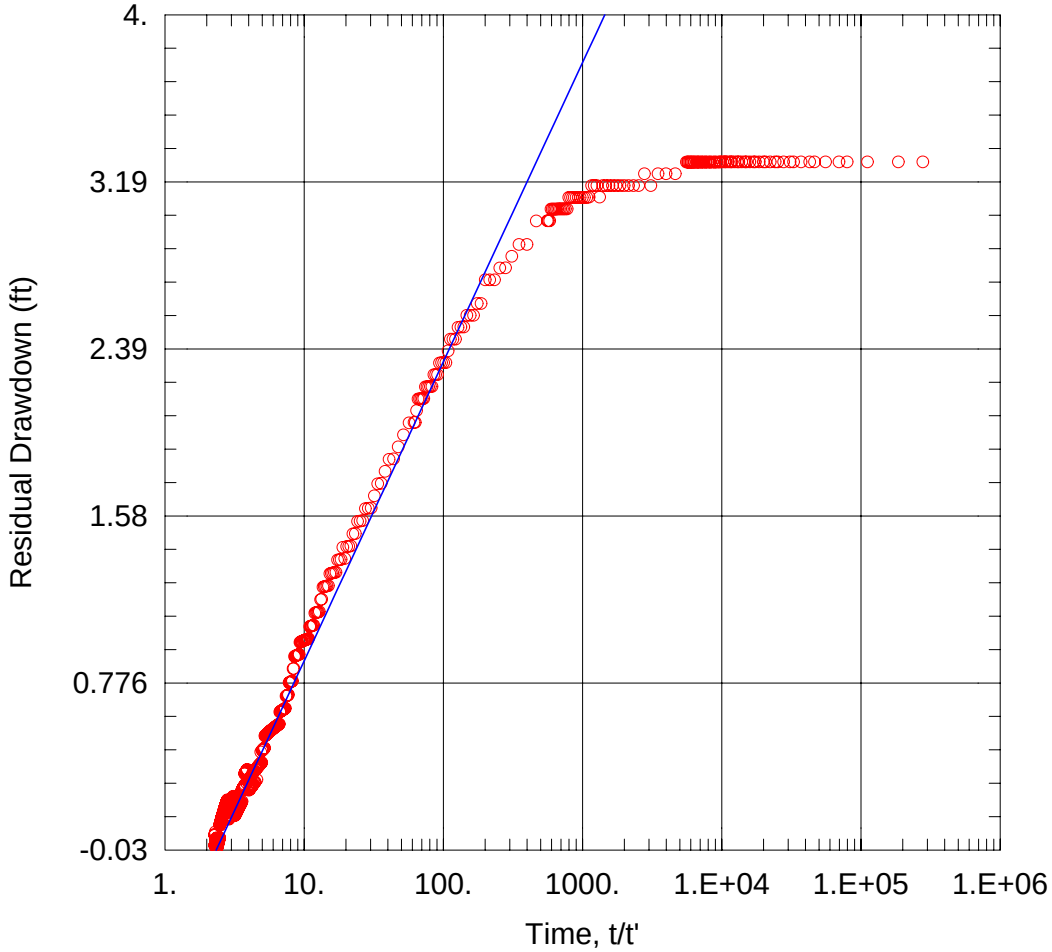
Well Name	X (ft)	Y (ft)
EW-4	6777956.9	1866565.8

Observation Wells

Well Name	X (ft)	Y (ft)
○ EW-5B	6778997.9	1866535.5

EW-5B Response to EW-4 - Trend-Corrected Data

Prepared By:	Prepared For:
SECOR International Inc.	SBMWD
Project:	**Location:**
Newmark Superfund Site	San Bernardino, CA



Data Set: J:\...\EW-5B TO EW-4(TC) REC.AQT
Date: 02/06/04 Time: 04:58:13

SOLUTION

Aquifer Model: Confined
Solution Method: Theis (Recovery)

T = 4.899E+04 ft^2/day
S/S' = 2.449

AQUIFER DATA

Saturated Thickness: 780. ft
Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA

Pumping Wells

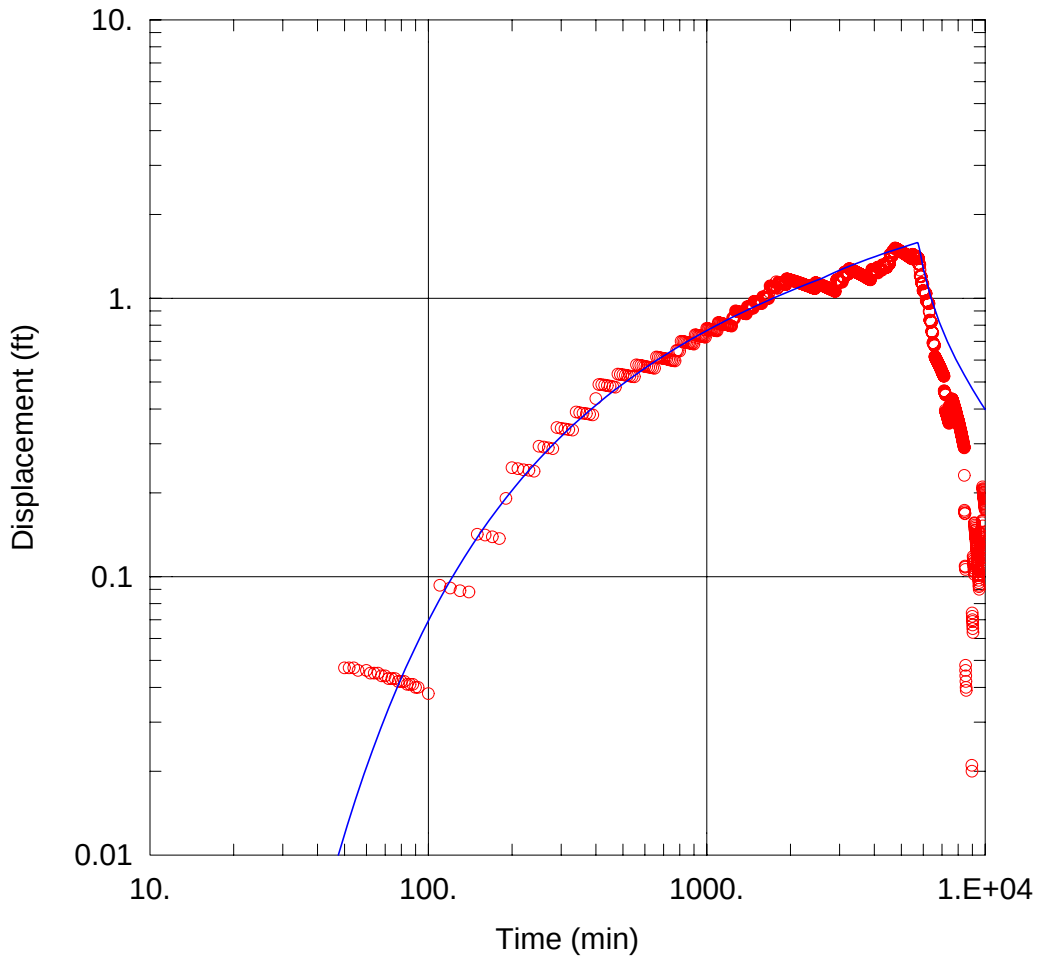
Well Name	X (ft)	Y (ft)
EW-4	6777956.9	1866565.8

Observation Wells

Well Name	X (ft)	Y (ft)
○ EW-5B	6778997.9	1866535.5

EW-108B Response to EW-4 - Trend-Corrected Data

Prepared By:	Prepared For:
SECOR International Inc.	SBMWD
Project:	**Location:**
Newmark Superfund Site	San Bernardino, CA



Data Set: J:\...\EW-108B TO EW-4(TC) Theis.AQT
Date: 02/06/04 Time: 04:59:06

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 6.299E+04 ft^2/day
S = 0.0009383
Kz/Kr = 0.1
b = 780. ft

WELL DATA

Pumping Wells

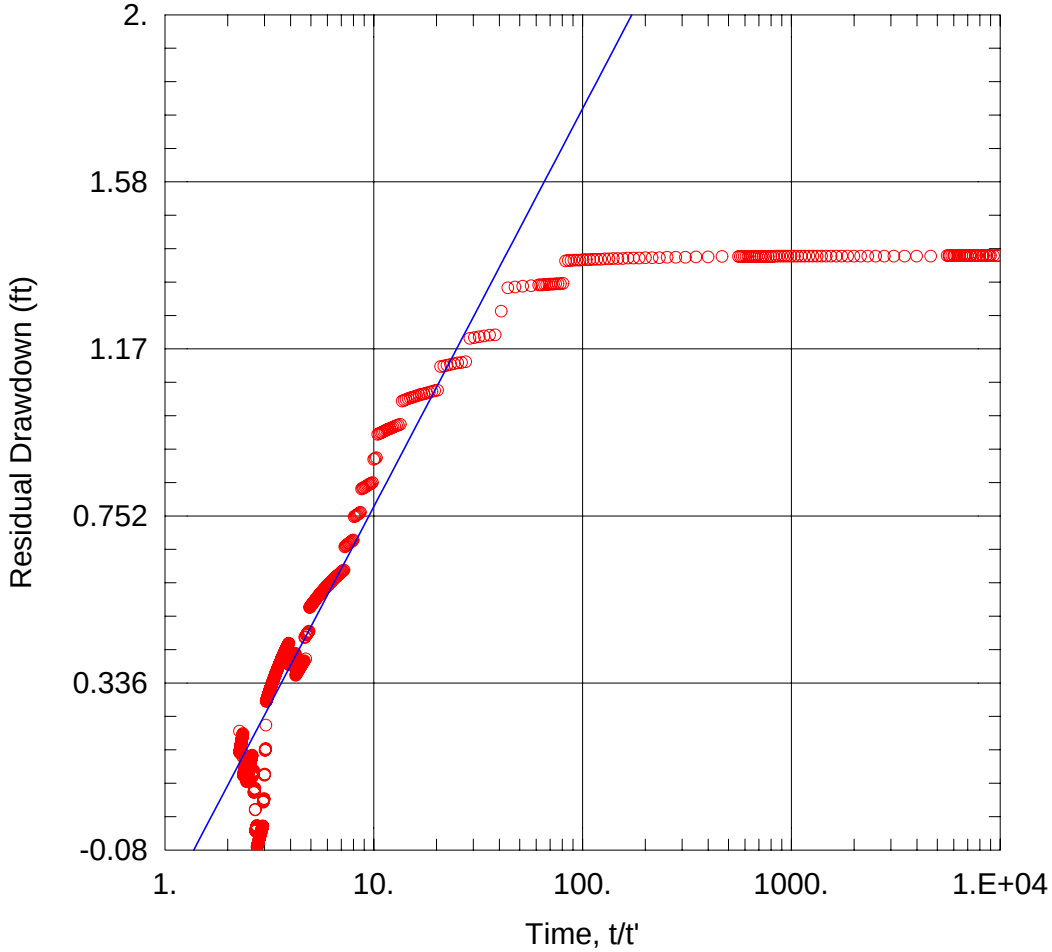
Well Name	X (ft)	Y (ft)
EW-4	6777956.9	1866565.8

Observation Wells

Well Name	X (ft)	Y (ft)
○ EW-108B	6773640.6	1868707.3

EW-108B Response to EW-4 - Trend-Corrected Data

Prepared By:	Prepared For:
SECOR International Inc.	SBMWD
Project:	**Location:**
Newmark Superfund Site	San Bernardino, CA



Data Set: J:\...\EW-108B TO EW-4(TC) REC.AQT
Date: 02/06/04 Time: 04:58:36

SOLUTION

Aquifer Model: Confined
Solution Method: Theis (Recovery)

T = 7.134E+04 ft^2/day
S/S' = 1.655

AQUIFER DATA

Saturated Thickness: 780. ft
Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA

Pumping Wells

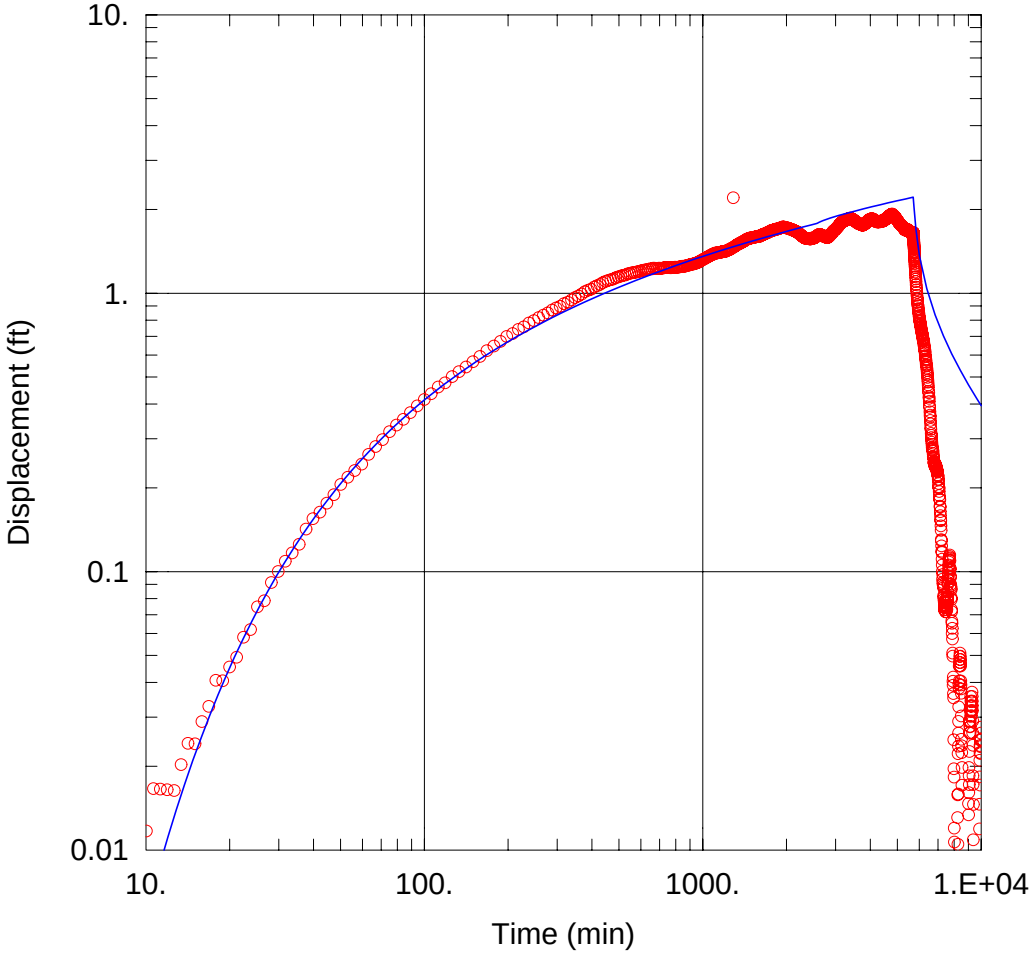
Well Name	X (ft)	Y (ft)
EW-4	6777956.9	1866565.8

Observation Wells

Well Name	X (ft)	Y (ft)
○ EW-108B	6773640.6	1868707.3

MW-10B Response to EW-4 - Trend-Corrected Data

Prepared By:	Prepared For:
SECOR International Inc.	SBMWD
Project:	**Location:**
Newmark Superfund Site	San Bernardino, CA



Data Set: J:\...\MW-10B TO EW-4(TC) Theis.AQT
Date: 02/06/04 Time: 16:47:25

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 6.45E+04 ft^2/day
S = 0.0006386
Kz/Kr = 0.1
b = 780. ft

WELL DATA

Pumping Wells

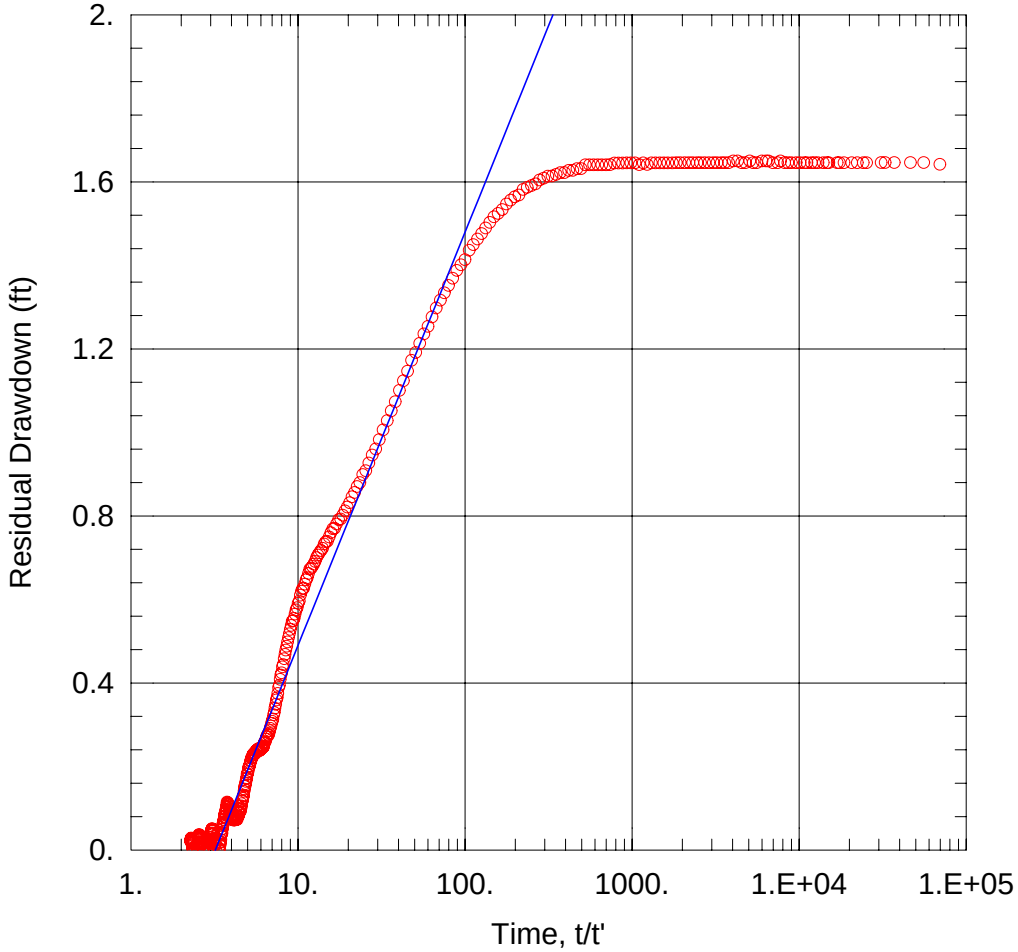
Well Name	X (ft)	Y (ft)
EW-4	6777956.9	1866565.8

Observation Wells

Well Name	X (ft)	Y (ft)
○ MW-10B	6776744.3	1869213.2

MW-10B Response to EW-4 - Trend-Corrected Data

Prepared By:	Prepared For:
SECOR International Inc.	SBMWD
Project:	**Location:**
Newmark Superfund Site	San Bernardino, CA



Data Set: J:\...\MW-10B TO EW-4(TC) REC.AQT
Date: 02/06/04 Time: 16:46:57

SOLUTION

Aquifer Model: Confined
Solution Method: Theis (Recovery)

T = 7.148E+04 ft^2/day
S/S' = 3.201

AQUIFER DATA

Saturated Thickness: 780. ft
Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA

Pumping Wells

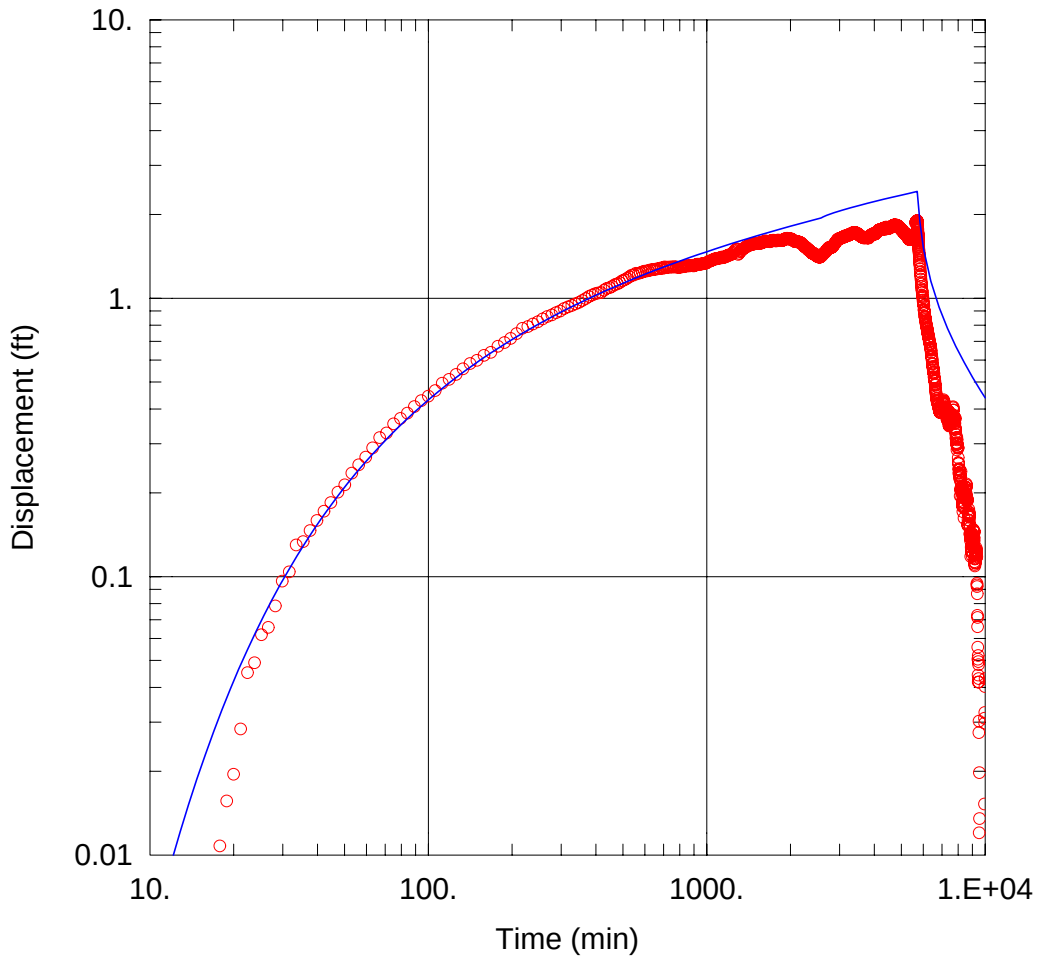
Well Name	X (ft)	Y (ft)
EW-4	6777956.9	1866565.8

Observation Wells

Well Name	X (ft)	Y (ft)
○ MW-10B	6776744.3	1869213.2

MW-10C Response to EW-4 - Trend-Corrected Data

Prepared By:	Prepared For:
SECOR International Inc.	SBMWD
Project:	**Location:**
Newmark Superfund Site	San Bernardino, CA



Data Set: J:\...\MW-10C TO EW-4(TC) Theis.AQT
Date: 02/06/04 Time: 16:48:26

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 5.806E+04 ft^2/day
S = 0.0006197
Kz/Kr = 0.1
b = 780. ft

WELL DATA

Pumping Wells

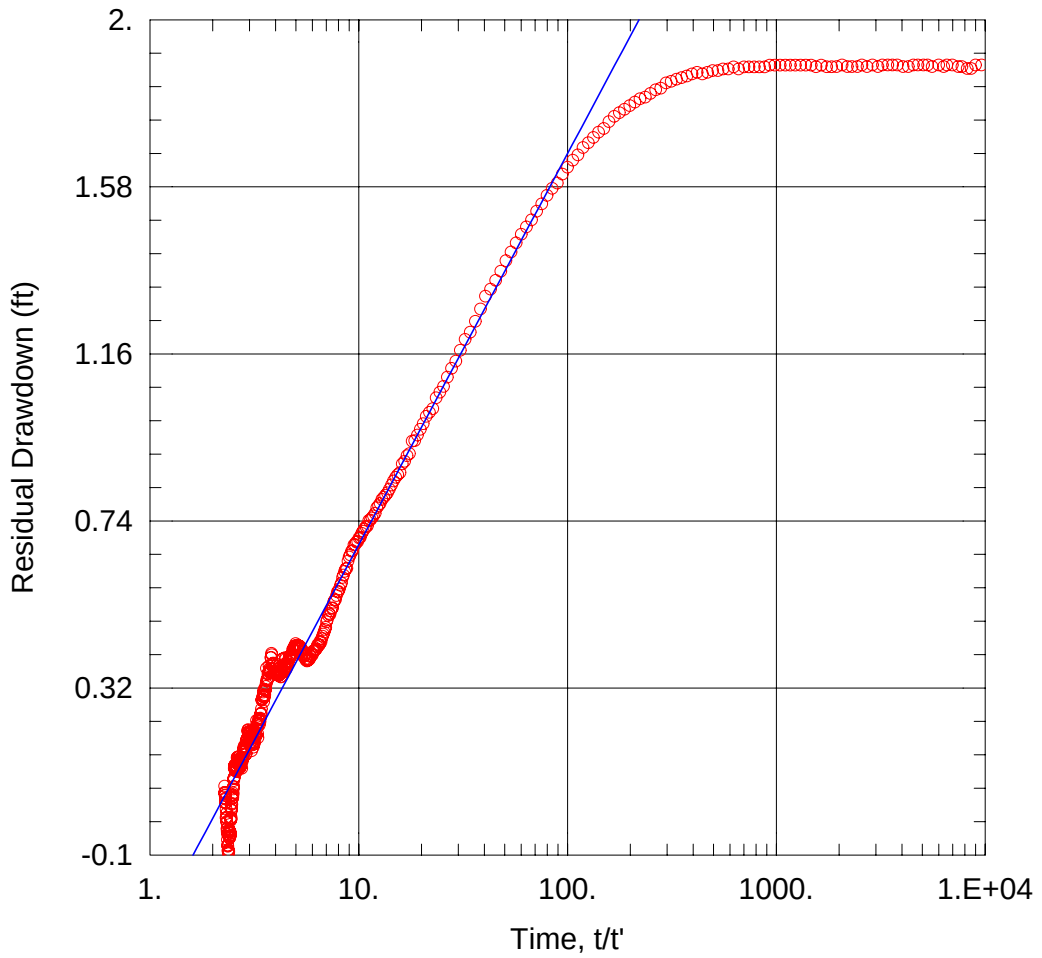
Well Name	X (ft)	Y (ft)
EW-4	6777956.9	1866565.8

Observation Wells

Well Name	X (ft)	Y (ft)
○ MW-10C	6776744.3	1869213.2

MW-10C Response to EW-4 - Trend-Corrected Data

Prepared By:	Prepared For:
SECOR International Inc.	SBMWD
Project:	**Location:**
Newmark Superfund Site	San Bernardino, CA



Data Set: J:\...\MW-10C TO EW-4(TC) REC.AQT
Date: 02/06/04 Time: 16:47:51

SOLUTION

Aquifer Model: Confined
Solution Method: Theis (Recovery)

T = 7.192E+04 ft^2/day
S/S' = 2.035

AQUIFER DATA

Saturated Thickness: 780. ft
Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA

Pumping Wells

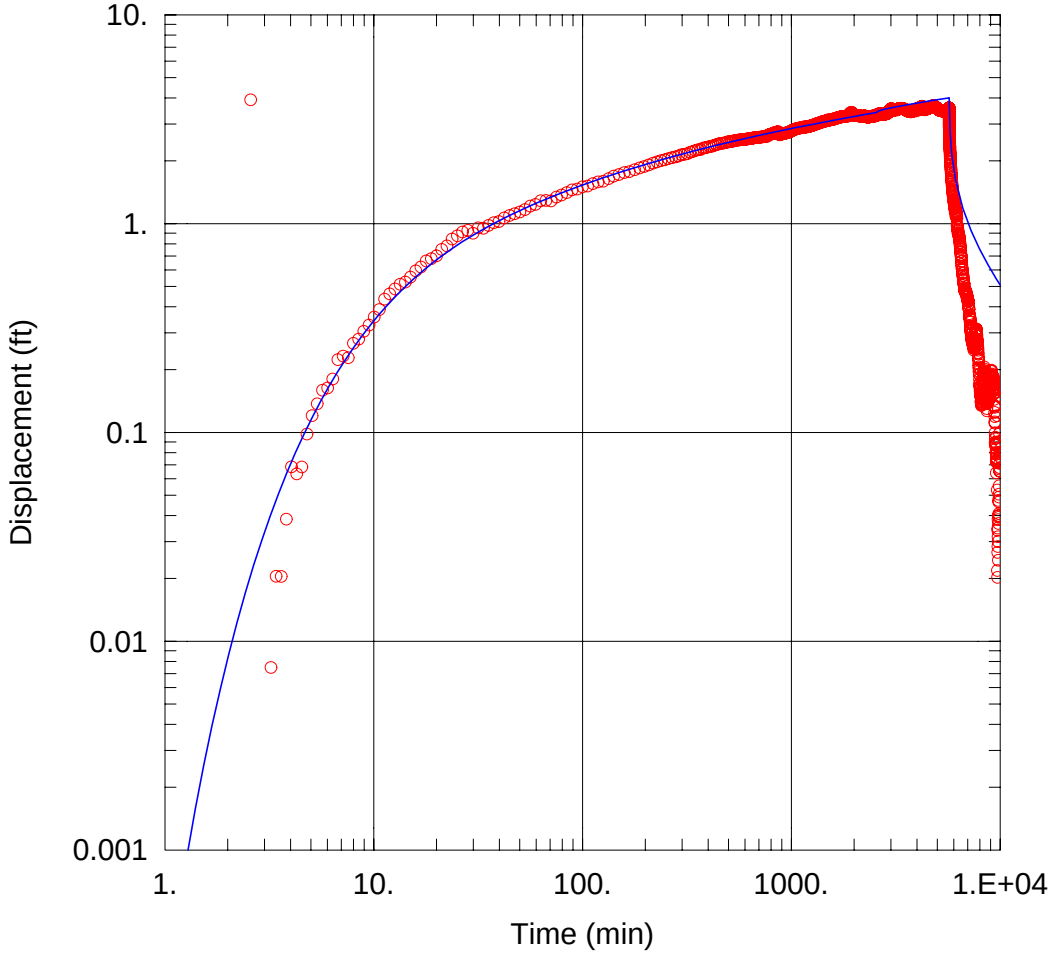
Well Name	X (ft)	Y (ft)
EW-4	6777956.9	1866565.8

Observation Wells

Well Name	X (ft)	Y (ft)
○ MW-10C	6776744.3	1869213.2

MW-11A Response to EW-4 - w/ Partial Penetration

Prepared By:	Prepared For:
SECOR International Inc.	SBMWD
Project:	**Location:**
Newmark Superfund Site	San Bernardino, CA



Data Set: J:\...\MW-11A TO EW-4(TC) PP Theis.AQT
Date: 02/06/04 Time: 16:49:29

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 5.031E+04 ft^2/day
S = 0.000883
Kz/Kr = 0.1
b = 780. ft

WELL DATA

Pumping Wells

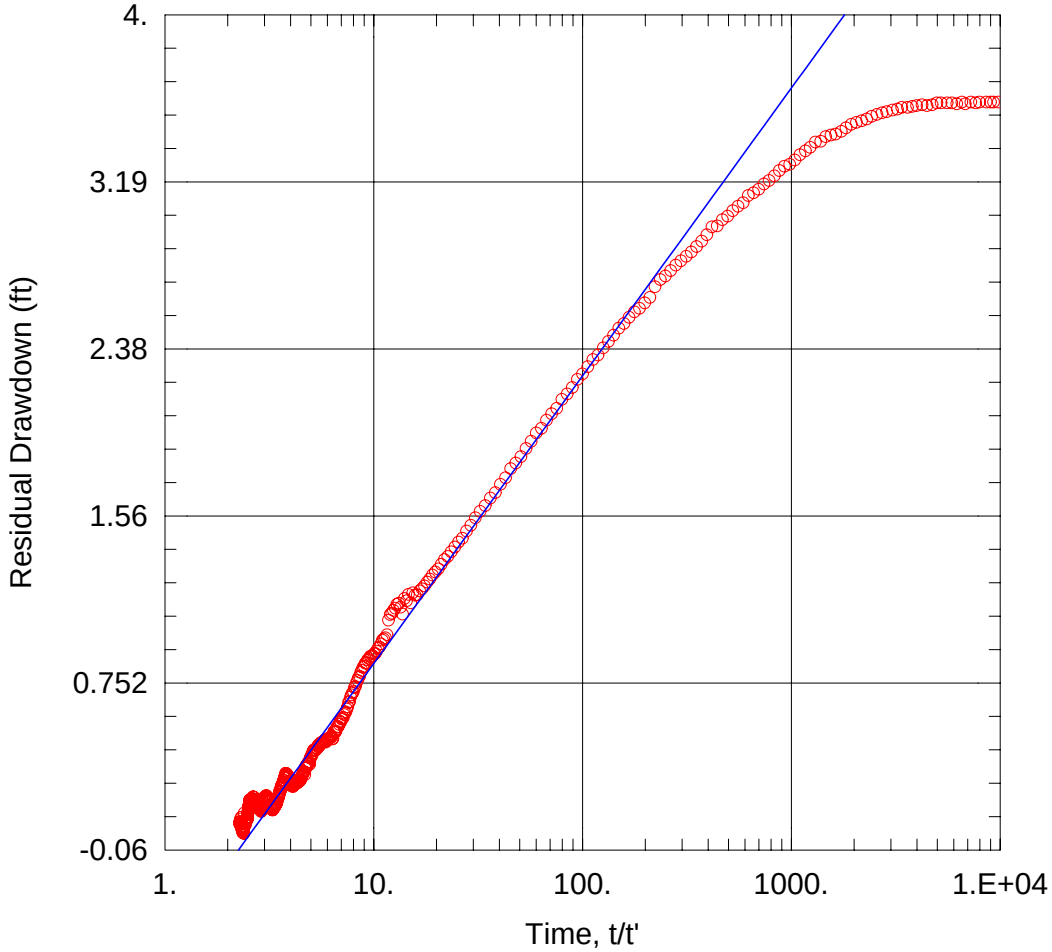
Well Name	X (ft)	Y (ft)
EW-4	6777956.9	1866565.8

Observation Wells

Well Name	X (ft)	Y (ft)
○ MW-11A	6777619.2	1867493.1

MW-11A Response to EW-4 - Trend-Corrected Data w/ Partial Penetration

Prepared By:	Prepared For:
SECOR International Inc.	SBMWD
Project:	**Location:**
Newmark Superfund Site	San Bernardino, CA



Data Set: J:\...\MW-11A TO EW-4(TC) PP REC.AQT
Date: 02/06/04 Time: 16:48:59

SOLUTION

Aquifer Model: Confined
Solution Method: Theis (Recovery)

T = 5.056E+04 ft^2/day
S/S' = 2.484

AQUIFER DATA

Saturated Thickness: 780. ft
Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA

Pumping Wells

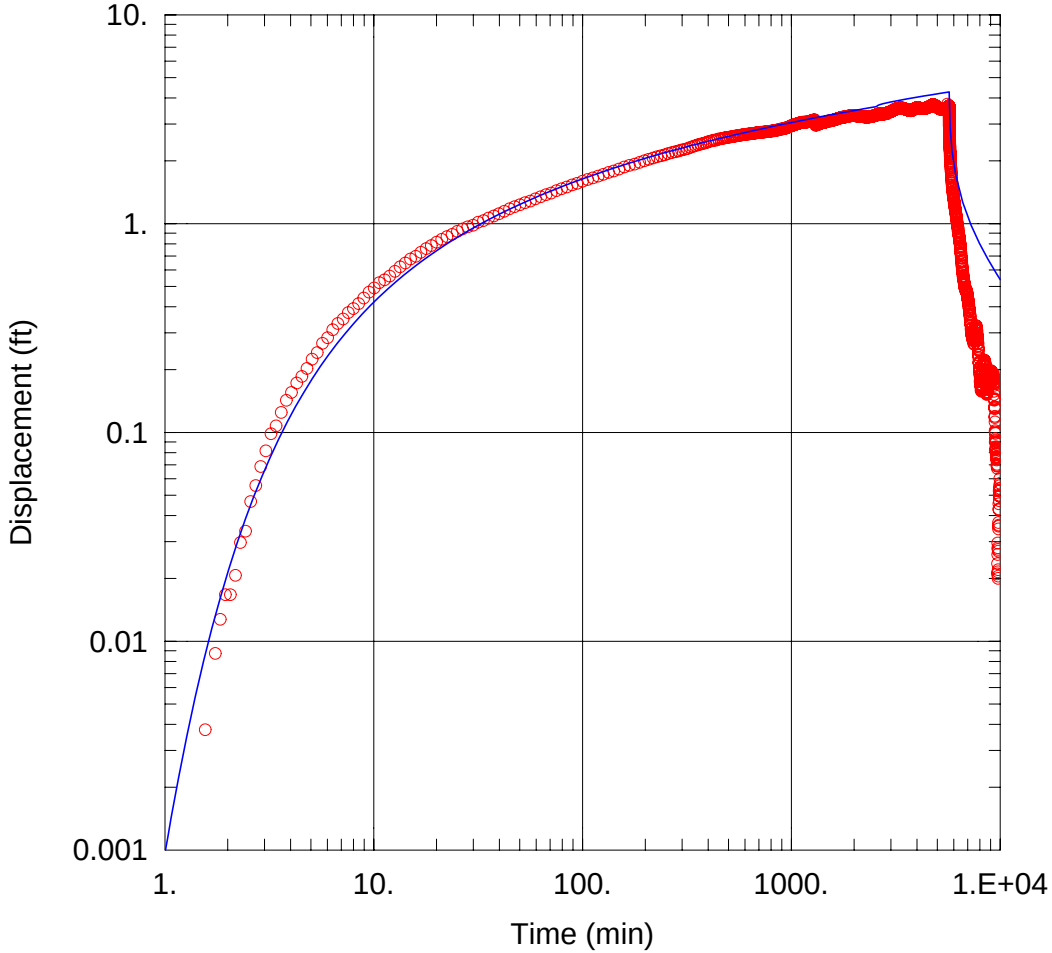
Well Name	X (ft)	Y (ft)
EW-4	6777956.9	1866565.8

Observation Wells

Well Name	X (ft)	Y (ft)
○ MW-11A	6777619.2	1867493.1

MW-11B Response to EW-4 - w/Partial Penetration

Prepared By:	Prepared For:
SECOR International Inc.	SBMWD
Project:	**Location:**
Newmark Superfund Site	San Bernardino, CA



Data Set: J:\...\MW-11B TO EW-4(TC) PP Theis.AQT
Date: 02/06/04 Time: 16:50:25

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 4.738E+04 ft^2/day
S = 0.0006944
Kz/Kr = 0.1
b = 780. ft

WELL DATA

Pumping Wells

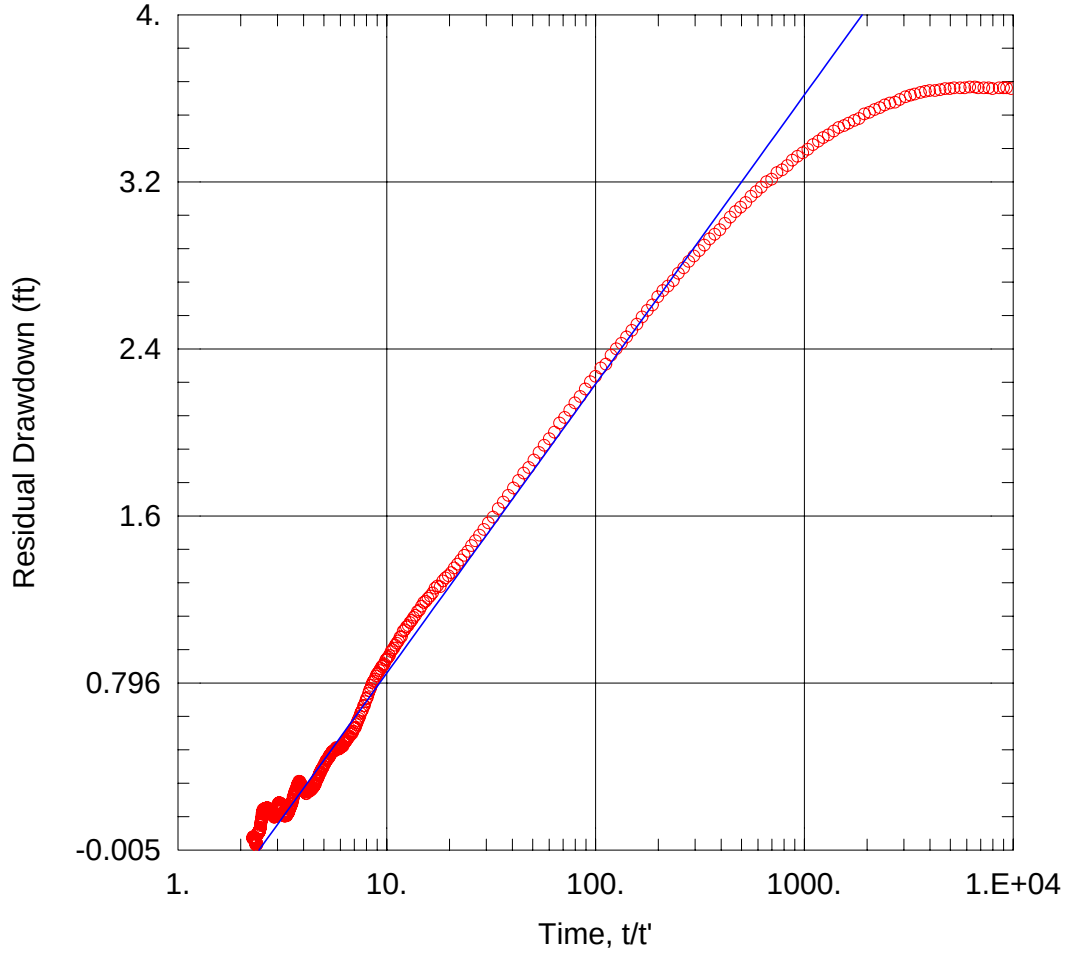
Well Name	X (ft)	Y (ft)
EW-4	6777956.9	1866565.8

Observation Wells

Well Name	X (ft)	Y (ft)
○ MW-11B	6777619.2	1867493.1

MW-11B Response to EW-4 - Trend-Corrected Data w/Partial Penetration

Prepared By:	Prepared For:
SECOR International Inc.	SBMWD
Project:	**Location:**
Newmark Superfund Site	San Bernardino, CA



Data Set: J:\...\MW-11B TO EW-4(TC) PP REC.AQT
Date: 02/06/04 Time: 16:49:57

SOLUTION

Aquifer Model: Confined
Solution Method: Theis (Recovery)

T = 5.101E+04 ft^2/day
S/S' = 2.466

AQUIFER DATA

Saturated Thickness: 780. ft
Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA

Pumping Wells

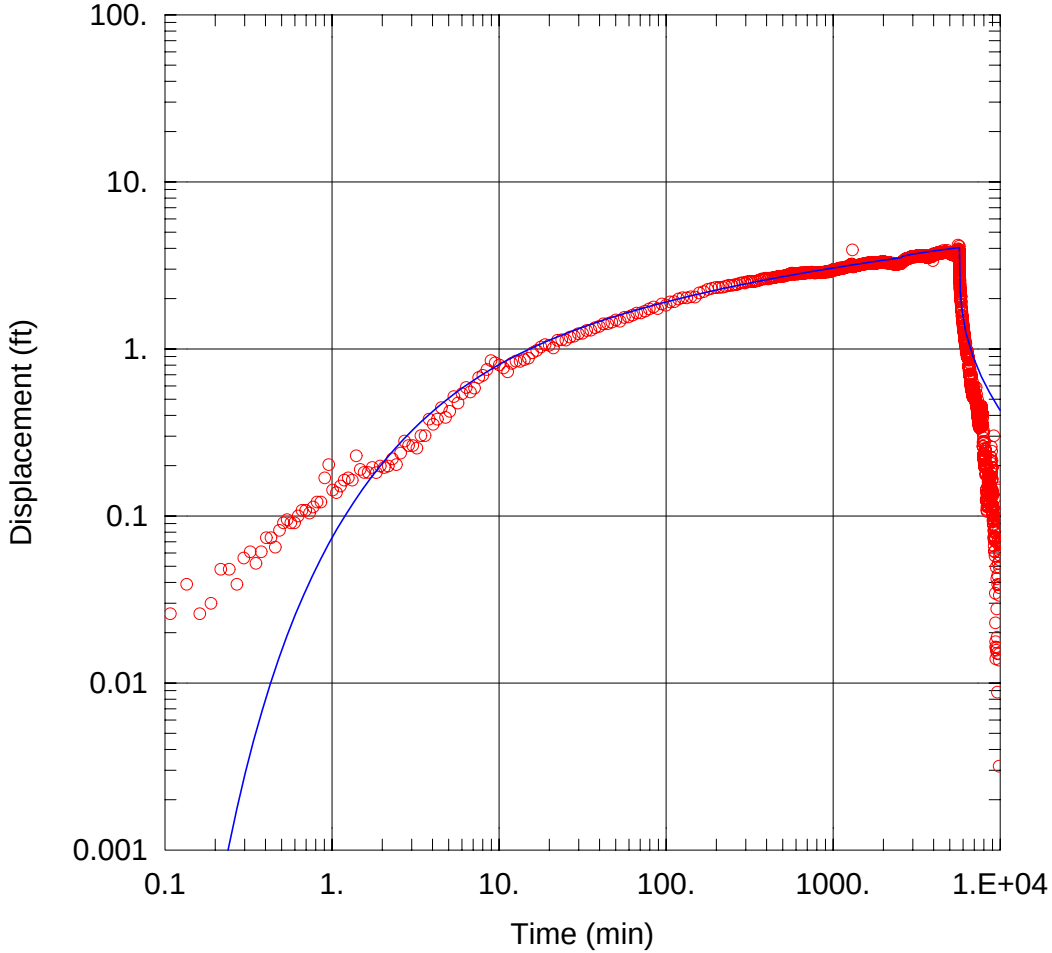
Well Name	X (ft)	Y (ft)
EW-4	6777956.9	1866565.8

Observation Wells

Well Name	X (ft)	Y (ft)
○ MW-11B	6777619.2	1867493.1

MW-11C Response to EW-4 - w/Partial Penetration

Prepared By:	Prepared For:
SECOR International Inc.	SBMWD
Project:	**Location:**
Newmark Superfund Site	San Bernardino, CA



Data Set: J:\...\MW-11C TO EW-4(TC) PP Theis.AQT
Date: 02/06/04 Time: 16:51:06

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 5.964E+04 ft^2/day
S = 0.0001448
Kz/Kr = 0.1
b = 780. ft

WELL DATA

Pumping Wells

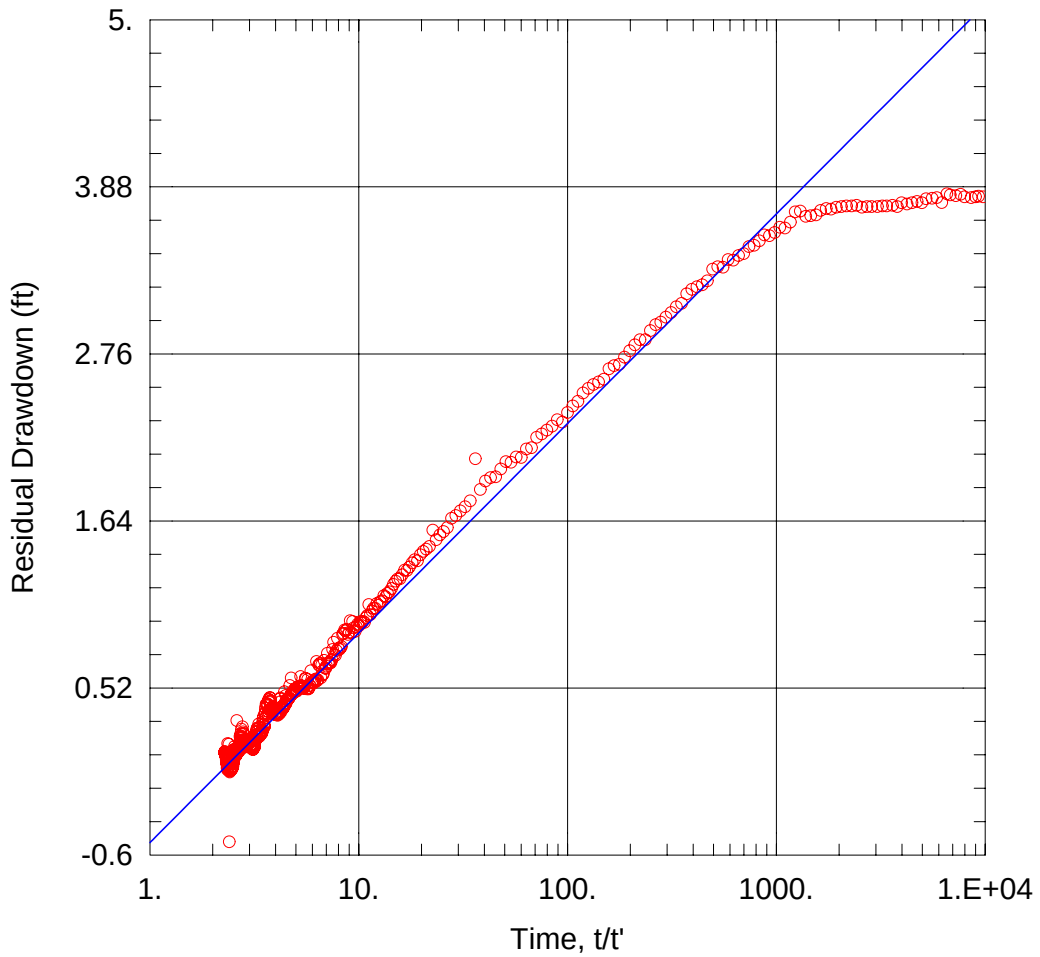
Well Name	X (ft)	Y (ft)
EW-4	6777956.9	1866565.8

Observation Wells

Well Name	X (ft)	Y (ft)
○ MW-11C	6777619.2	1867493.1

MW-11C Response to EW-4 - Trend-Corrected Data w/Partial Penetration

Prepared By:	Prepared For:
SECOR International Inc.	SBMWD
Project:	**Location:**
Newmark Superfund Site	San Bernardino, CA



Data Set: J:\...\MW-11C TO EW-4(TC) PP REC.AQT
Date: 02/06/04 Time: 16:50:47

SOLUTION

Aquifer Model: Confined
Solution Method: Theis (Recovery)

T = 5.035E+04 ft^2/day
S/S' = 2.332

AQUIFER DATA

Saturated Thickness: 780. ft
Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA

Pumping Wells

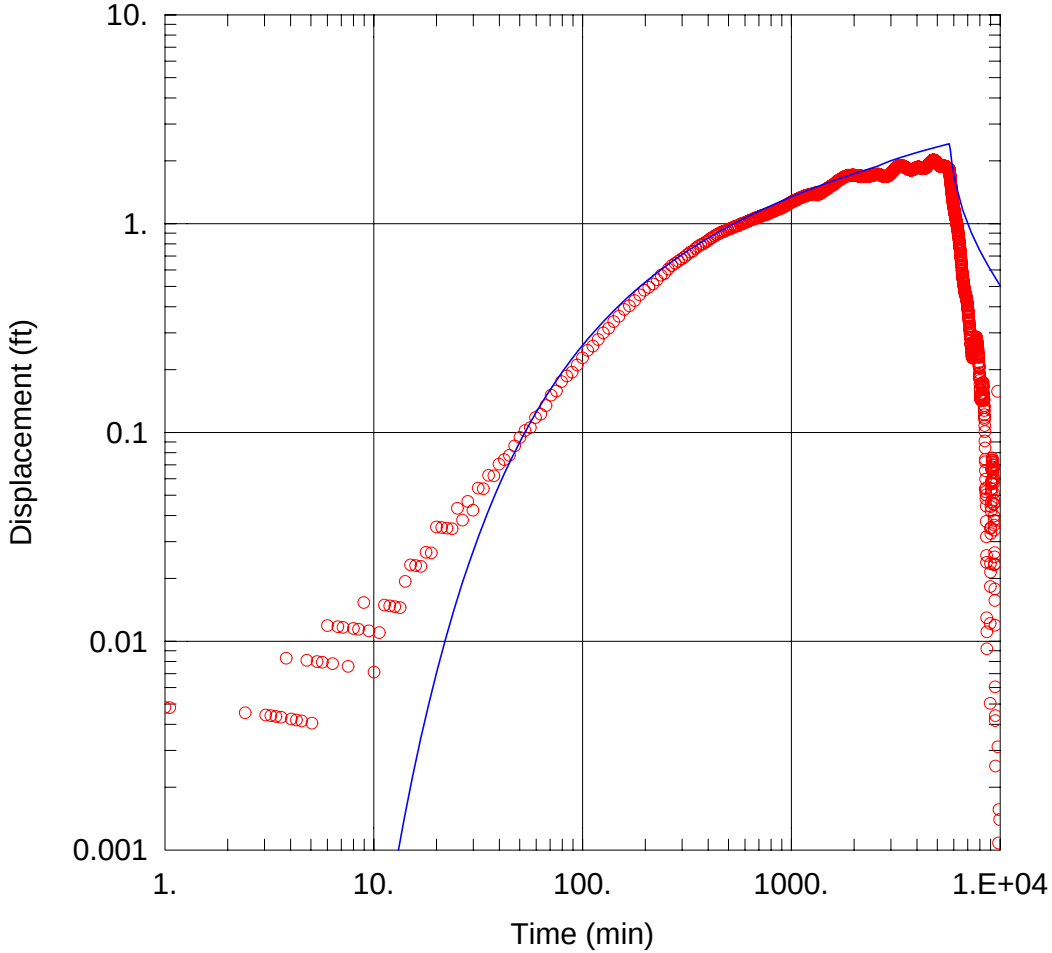
Well Name	X (ft)	Y (ft)
EW-4	6777956.9	1866565.8

Observation Wells

Well Name	X (ft)	Y (ft)
○ MW-11C	6777619.2	1867493.1

MW-12B Response to EW-4 - Trend-Corrected Data

Prepared By:	Prepared For:
SECOR International Inc.	SBMWD
Project:	**Location:**
Newmark Superfund Site	San Bernardino, CA



Data Set: J:\...\MW-12B TO EW-4(TC) Theis.AQT
Date: 02/06/04 Time: 16:51:51

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 5.019E+04 ft^2/day
S = 0.0008775
Kz/Kr = 0.1
b = 780. ft

WELL DATA

Pumping Wells

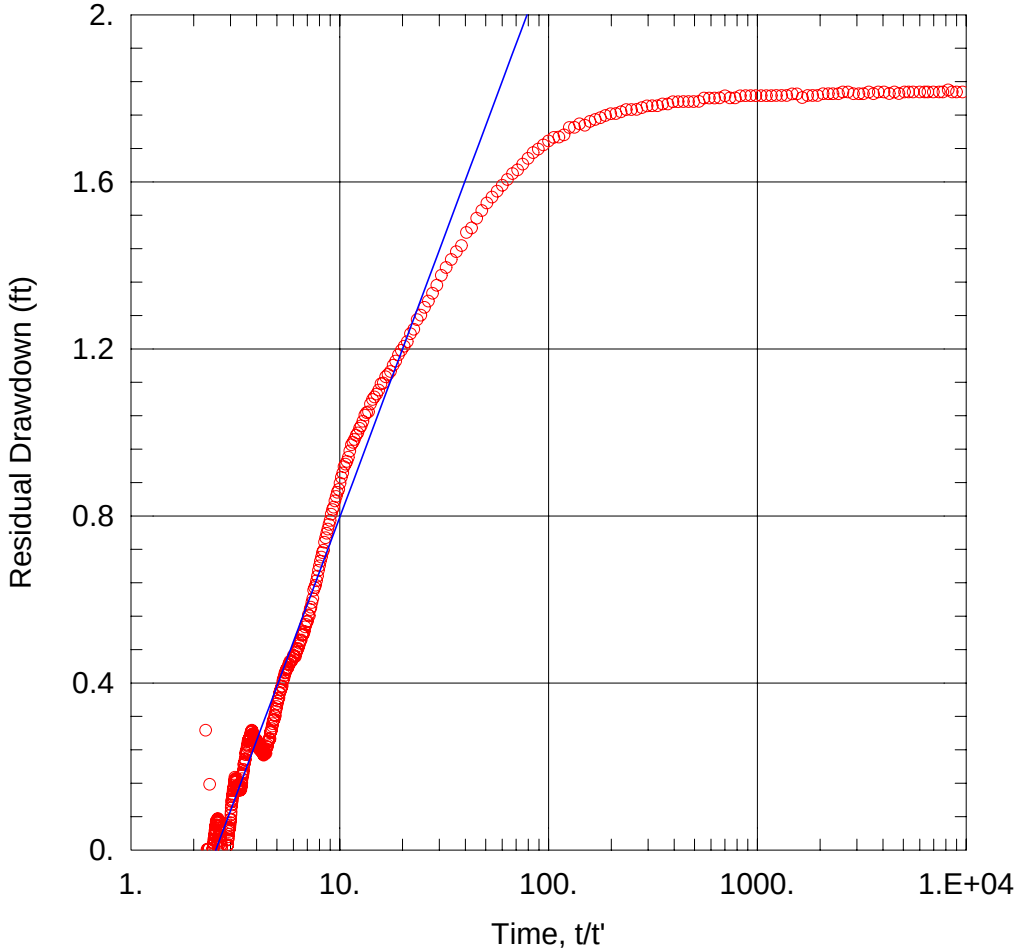
Well Name	X (ft)	Y (ft)
EW-4	6777956.9	1866565.8

Observation Wells

Well Name	X (ft)	Y (ft)
○ MW-12B	6774893.7	1865969.3

MW-12B Response to EW-4 - Trend-Corrected Data

Prepared By:	Prepared For:
SECOR International Inc.	SBMWD
Project:	**Location:**
Newmark Superfund Site	San Bernardino, CA



Data Set: J:\...\MW-12B TO EW-4(TC) REC.AQT
Date: 02/06/04 Time: 16:51:31

SOLUTION

Aquifer Model: Confined
Solution Method: Theis (Recovery)

T = 5.27E+04 ft^2/day
S/S' = 2.551

AQUIFER DATA

Saturated Thickness: 780. ft
Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA

Pumping Wells

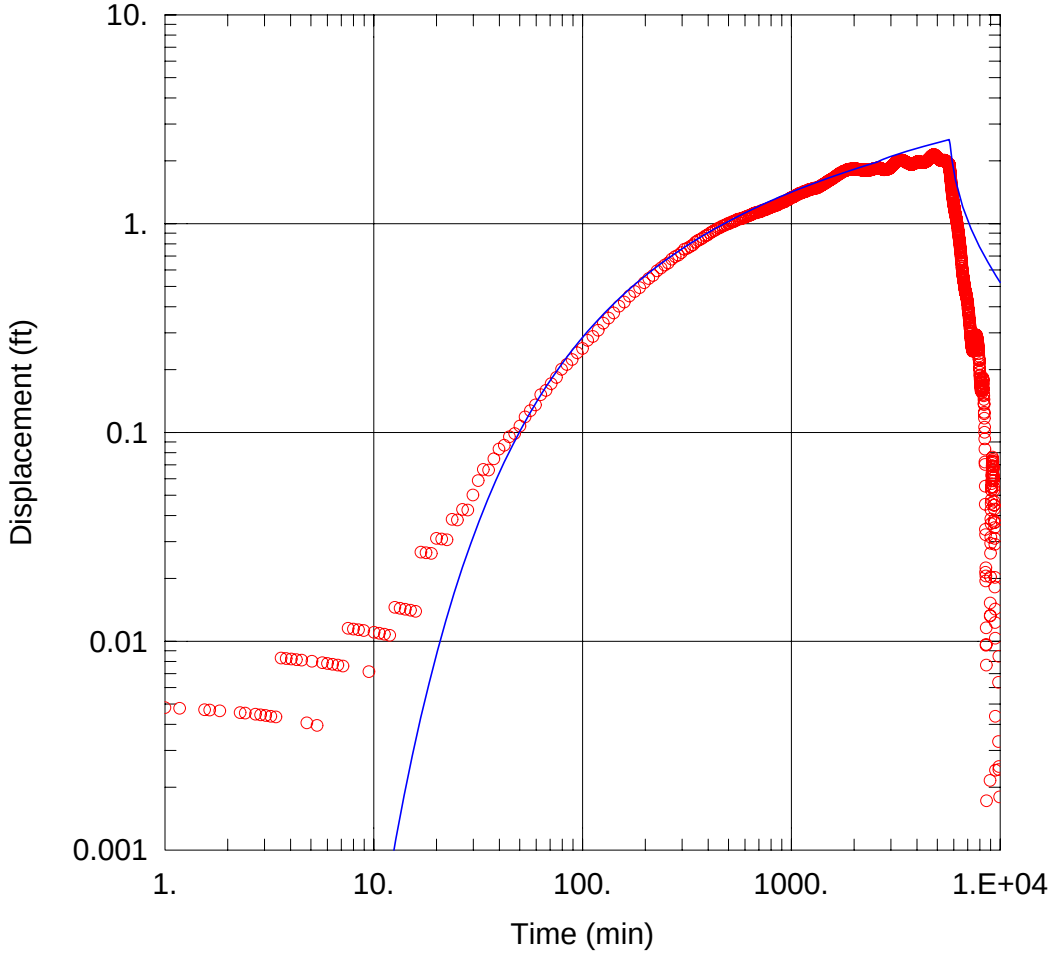
Well Name	X (ft)	Y (ft)
EW-4	6777956.9	1866565.8

Observation Wells

Well Name	X (ft)	Y (ft)
○ MW-12B	6774893.7	1865969.3

MW-12C Response to EW-4 - Trend-Corrected Data

Prepared By:	Prepared For:
SECOR International Inc.	SBMWD
Project:	**Location:**
Newmark Superfund Site	San Bernardino, CA



Data Set: J:\...\MW-12C TO EW-4(TC) Theis.AQT
Date: 02/06/04 Time: 16:52:36

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 4.849E+04 ft^2/day
S = 0.0008113
Kz/Kr = 0.1
b = 780. ft

WELL DATA

Pumping Wells

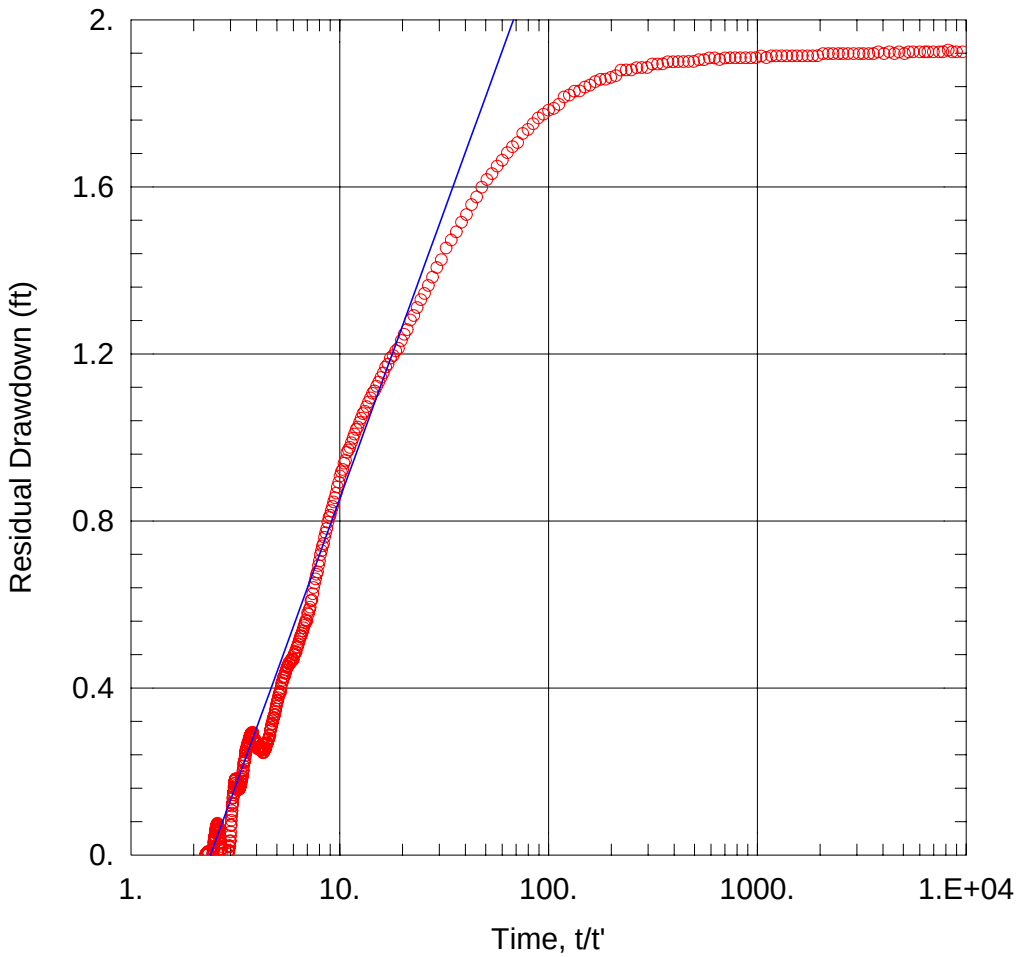
Well Name	X (ft)	Y (ft)
EW-4	6777956.9	1866565.8

Observation Wells

Well Name	X (ft)	Y (ft)
○ MW-12C	6774893.7	1865969.3

MW-12C Response to EW-4 - Trend-Corrected Data

Prepared By:	Prepared For:
SECOR International Inc.	SBMWD
Project:	**Location:**
Newmark Superfund Site	San Bernardino, CA



Data Set: J:\...\MW-12C TO EW-4(TC) REC.AQT
Date: 02/06/04 Time: 16:52:15

SOLUTION

Aquifer Model: Confined
Solution Method: Theis (Recovery)

T = 5.131E+04 ft^2/day
S/S' = 2.405

AQUIFER DATA

Saturated Thickness: 780. ft
Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA

Pumping Wells

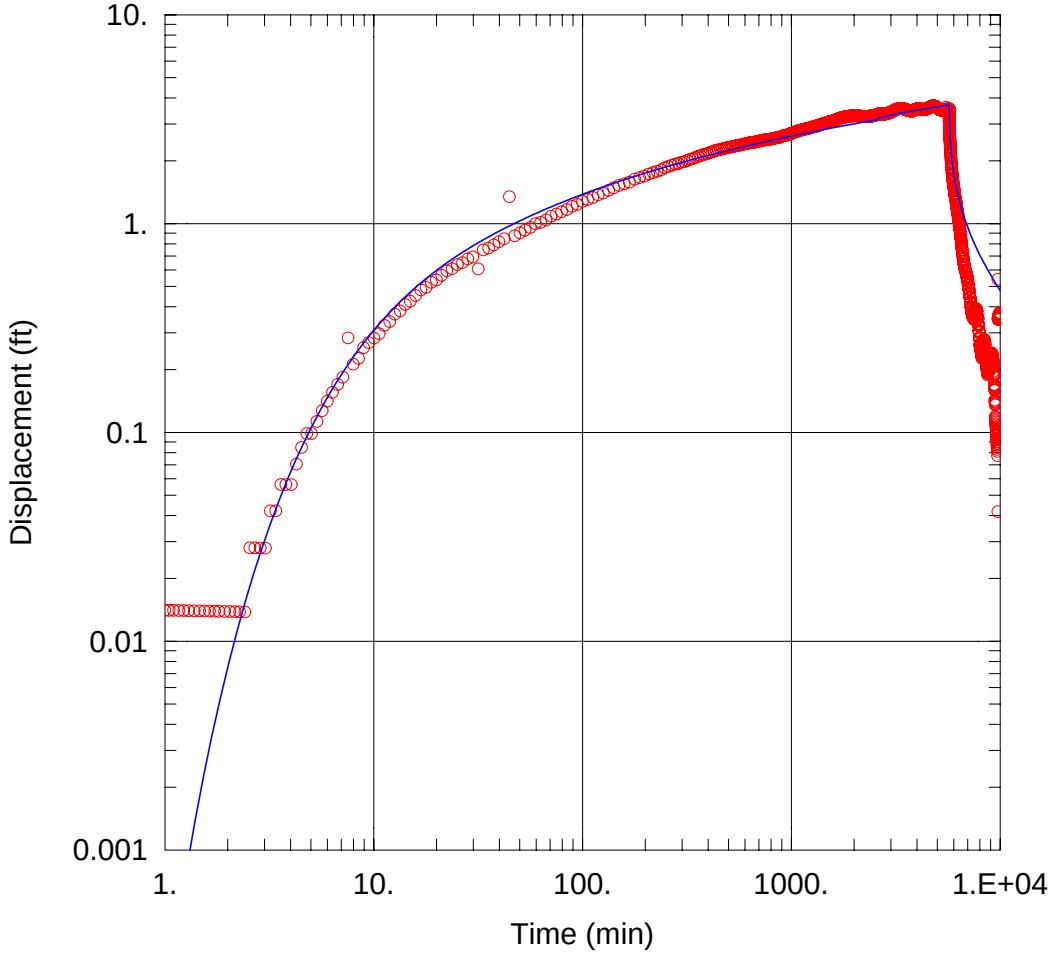
Well Name	X (ft)	Y (ft)
EW-4	6777956.9	1866565.8

Observation Wells

Well Name	X (ft)	Y (ft)
○ MW-12C	6774893.7	1865969.3

MW-13B Response to EW-4 - w/Partial Penetration

Prepared By:	Prepared For:
SECOR International Inc.	SBMWD
Project:	**Location:**
Newmark Superfund Site	San Bernardino, CA



Data Set: J:\...\MW-13B TO EW-4(TC) PP Thesi.AQT
Date: 02/06/04 Time: 18:56:42

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 5.355E+04 ft^2/day
S = 0.0007196
Kz/Kr = 0.1
b = 780. ft

WELL DATA

Pumping Wells

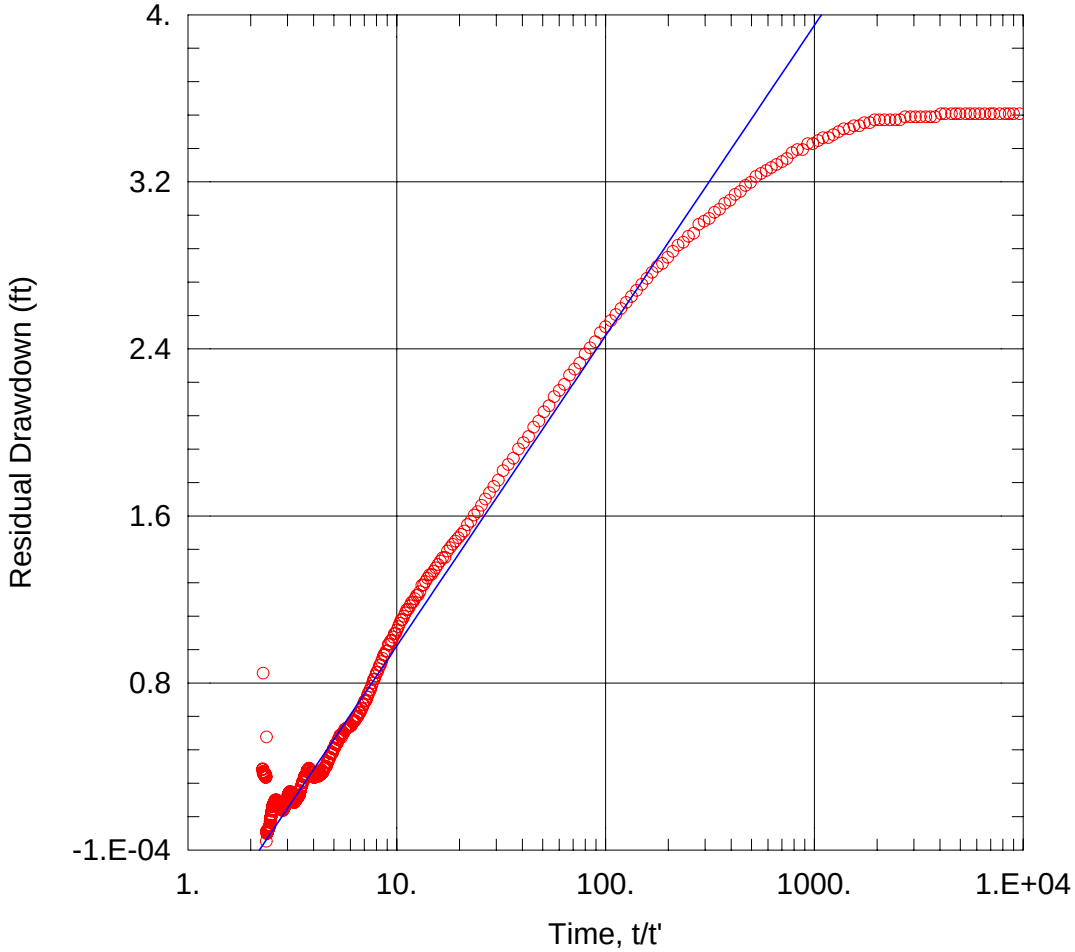
Well Name	X (ft)	Y (ft)
EW-4	6777956.9	1866565.8

Observation Wells

Well Name	X (ft)	Y (ft)
○ MW-13B	6776958.1	1866004.6

MW-13B Response to EW-4 - Trend-Corrected Data w/Partial Penetration

Prepared By:	Prepared For:
SECOR International Inc.	SBMWD
Project:	**Location:**
Newmark Superfund Site	San Bernardino, CA



Data Set: J:\...\MW-13B TO EW-4(TC) PP REC.AQT
Date: 02/06/04 Time: 18:56:20

SOLUTION

Aquifer Model: Confined
Solution Method: Theis (Recovery)

T = 4.759E+04 ft^2/day
S/S' = 2.201

AQUIFER DATA

Saturated Thickness: 780. ft
Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA

Pumping Wells

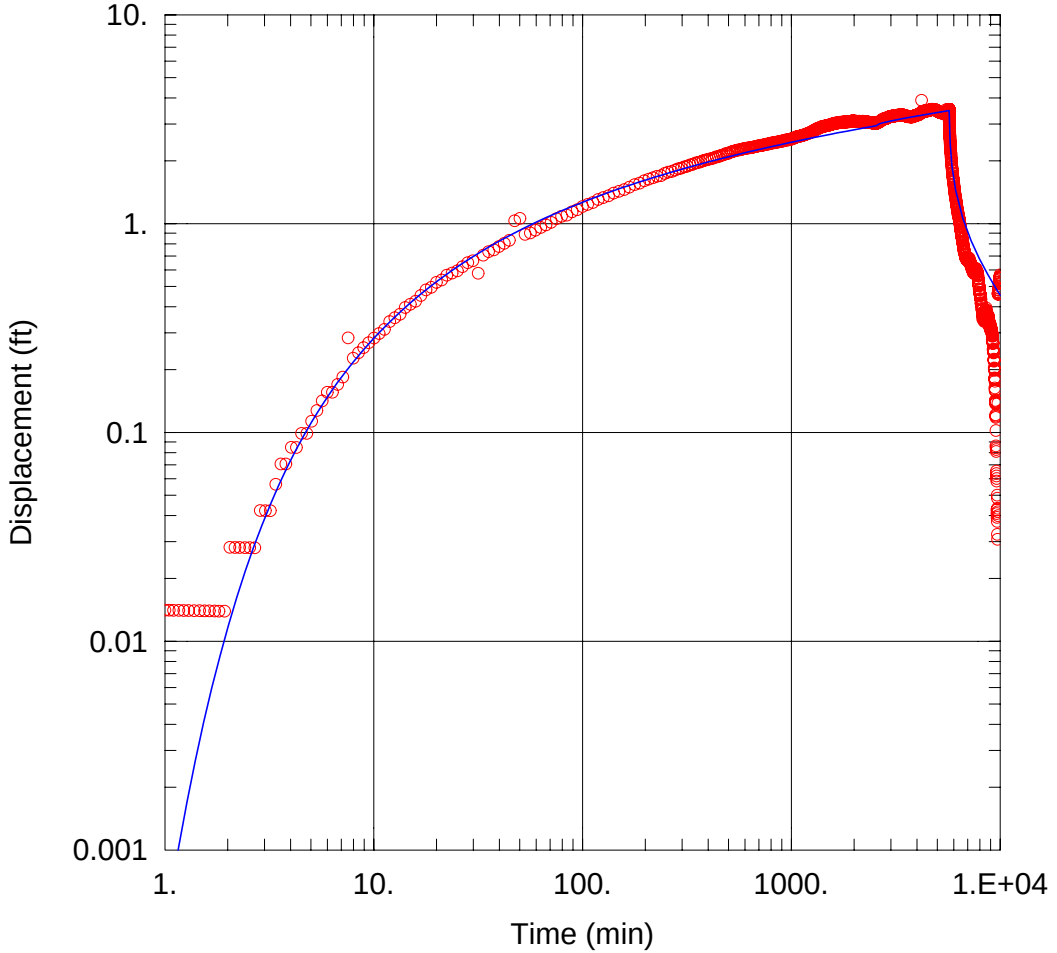
Well Name	X (ft)	Y (ft)
EW-4	6777956.9	1866565.8

Observation Wells

Well Name	X (ft)	Y (ft)
○ MW-13B	6776958.1	1866004.6

MW-13C Response to EW-4 - w/Partial Penetration

Prepared By:	Prepared For:
SECOR International Inc.	SBMWD
Project:	**Location:**
Newmark Superfund Site	San Bernardino, CA



Data Set: J:\...\MW-13C TO EW-4(TC) PP Theis.AQT
Date: 02/06/04 Time: 18:57:43

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 5.623E+04 ft^2/day
S = 0.0006718
Kz/Kr = 0.1
b = 780. ft

WELL DATA

Pumping Wells

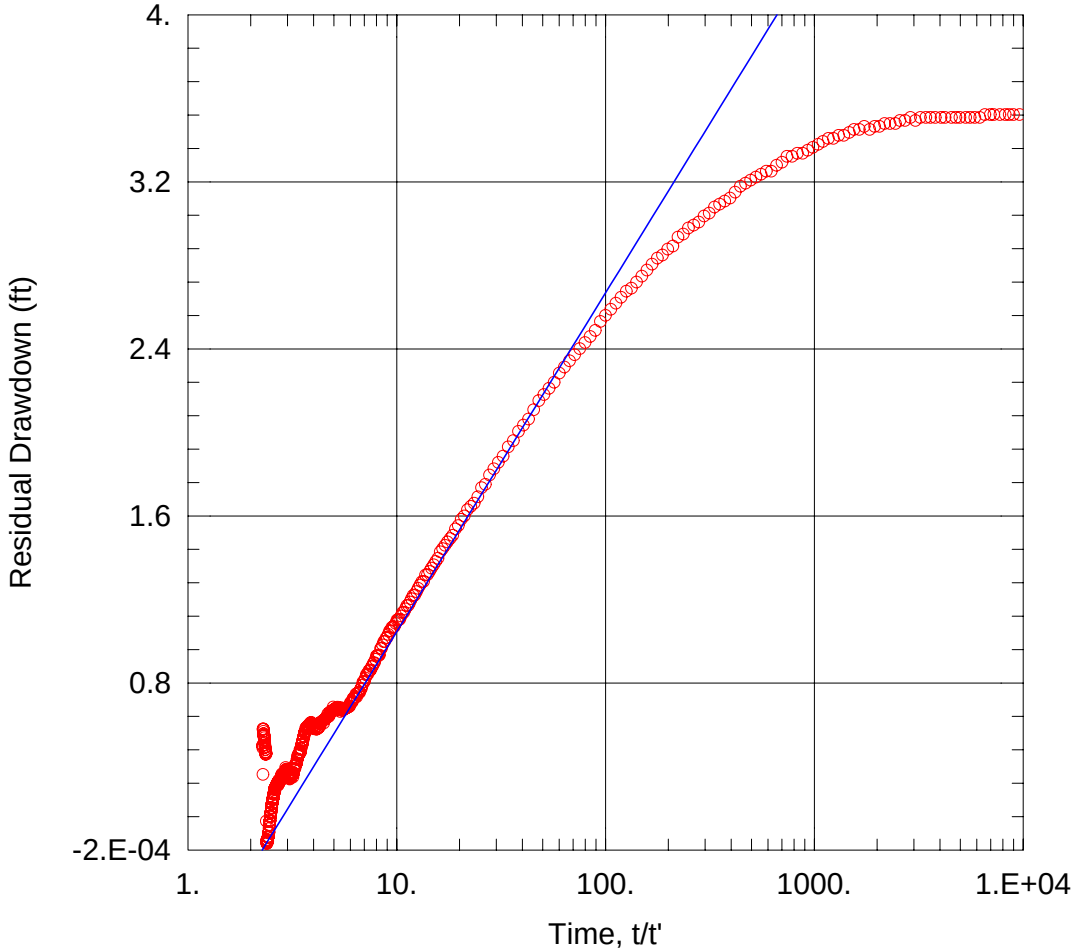
Well Name	X (ft)	Y (ft)
EW-4	6777956.9	1866565.8

Observation Wells

Well Name	X (ft)	Y (ft)
○ MW-13C	6776958.1	1866004.6

MW-13C Response to EW-4 - Trend-Corrected Data w/Partial Penetration

Prepared By:	Prepared For:
SECOR International Inc.	SBMWD
Project:	**Location:**
Newmark Superfund Site	San Bernardino, CA



Data Set: J:\...\MW-13C TO EW-4(TC) PP REC.AQT
Date: 02/06/04 Time: 18:57:15

SOLUTION

Aquifer Model: Confined
Solution Method: Theis (Recovery)

T = 4.358E+04 ft^2/day
S/S' = 2.27

AQUIFER DATA

Saturated Thickness: 780. ft
Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA

Pumping Wells

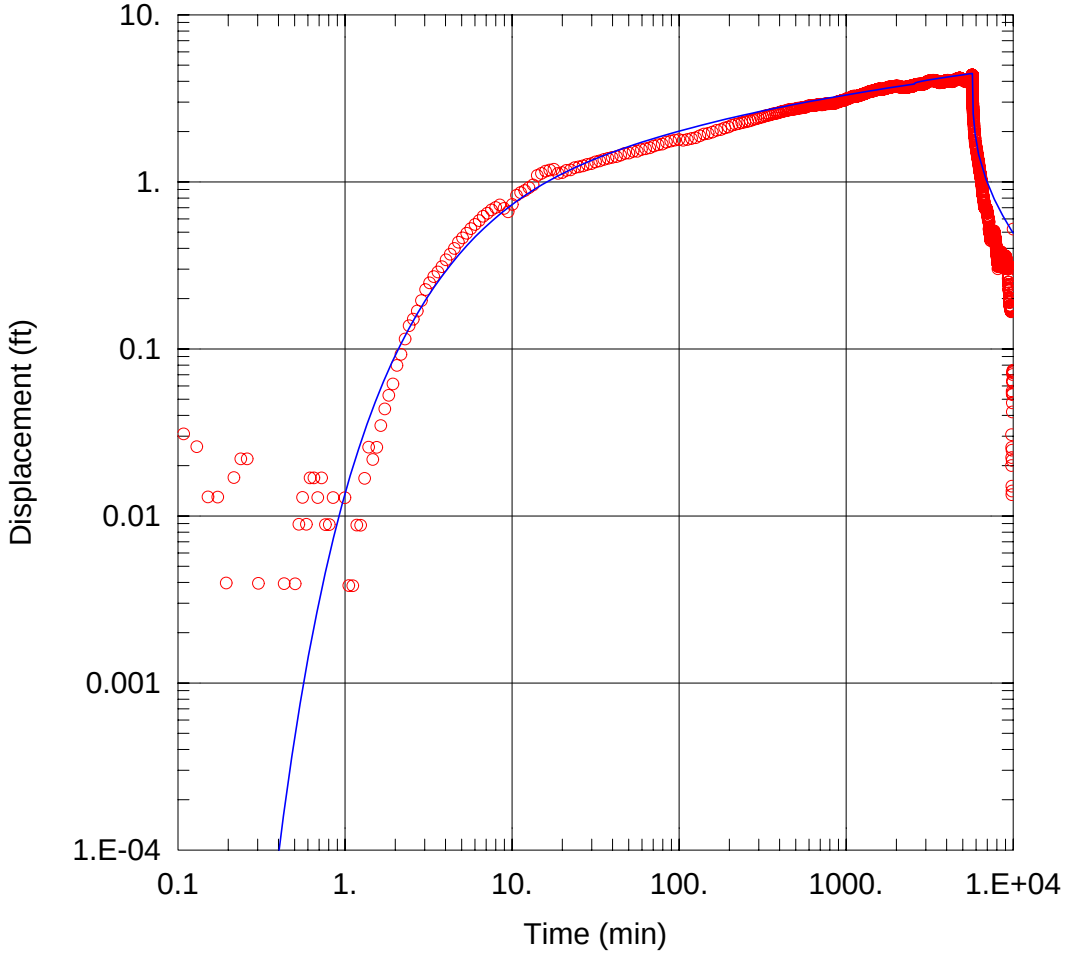
Well Name	X (ft)	Y (ft)
EW-4	6777956.9	1866565.8

Observation Wells

Well Name	X (ft)	Y (ft)
○ MW-13C	6776958.1	1866004.6

MW-14B Response to EW-4 - w/Partial Penetration

Prepared By:	Prepared For:
SECOR International Inc.	SBMWD
Project:	**Location:**
Newmark Superfund Site	San Bernardino, CA



Data Set: J:\...\MW-14B TO EW-4(TC) PP Theis.AQT
Date: 02/06/04 Time: 18:58:28

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 5.176E+04 ft^2/day
S = 0.000806
Kz/Kr = 0.1
b = 780. ft

WELL DATA

Pumping Wells

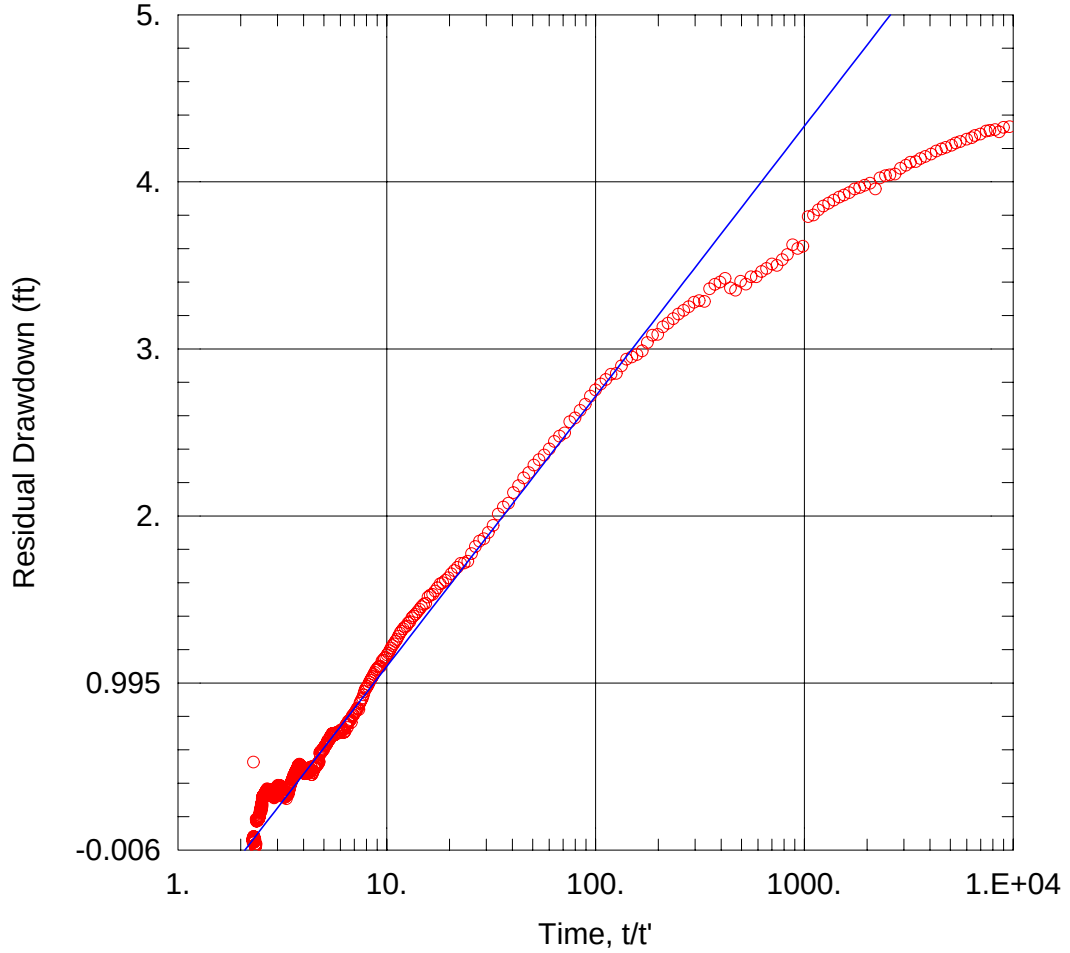
Well Name	X (ft)	Y (ft)
EW-4	6777956.9	1866565.8

Observation Wells

Well Name	X (ft)	Y (ft)
○ MW-14B	6778307.5	1865948.7

MW-14B Response to EW-4 - Trend-Corrected Data w/Partial Penetration

Prepared By:	Prepared For:
SECOR International Inc.	SBMWD
Project:	**Location:**
Newmark Superfund Site	San Bernardino, CA



Data Set: J:\...\MW-14B TO EW-4(TC) PP REC.AQT
Date: 02/06/04 Time: 18:58:04

SOLUTION

Aquifer Model: Confined
Solution Method: Theis (Recovery)

T = 4.368E+04 ft^2/day
S/S' = 2.112

AQUIFER DATA

Saturated Thickness: 780. ft
Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA

Pumping Wells

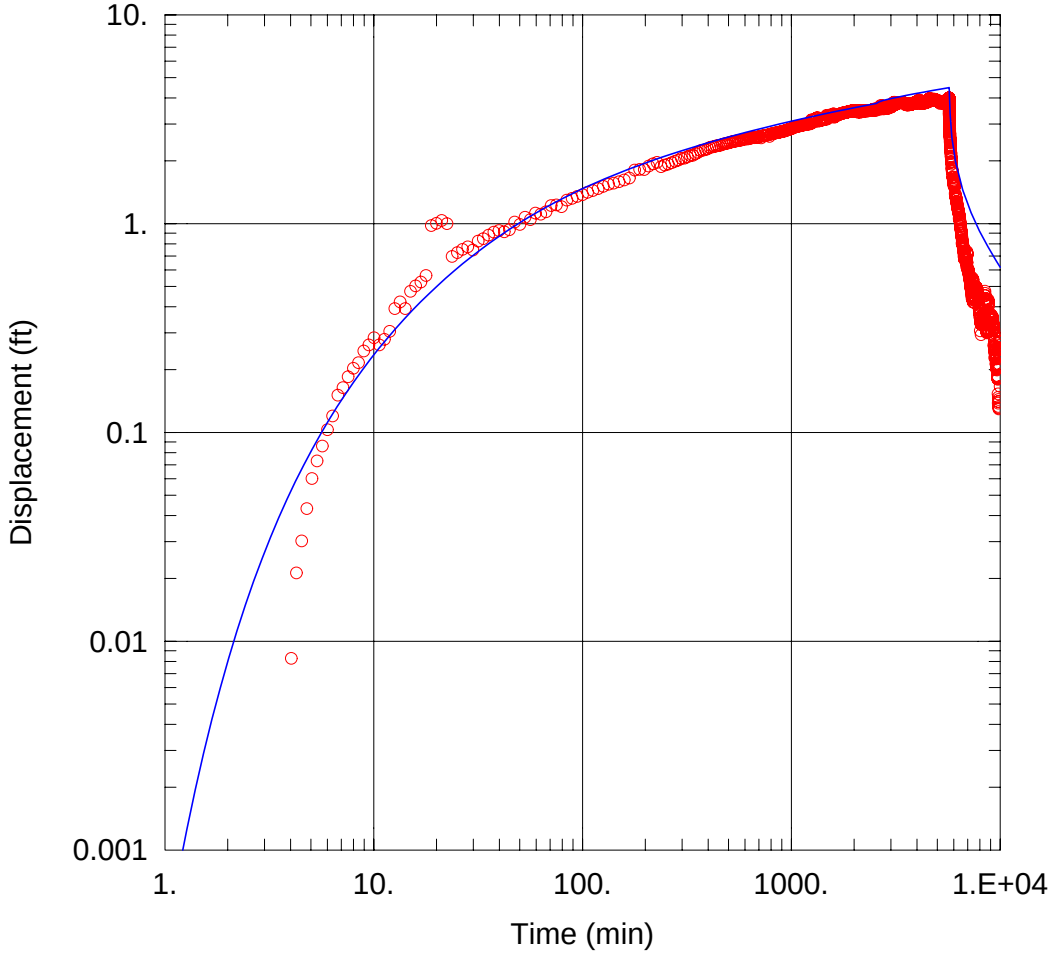
Well Name	X (ft)	Y (ft)
EW-4	6777956.9	1866565.8

Observation Wells

Well Name	X (ft)	Y (ft)
○ MW-14B	6778307.5	1865948.7

MW-14C Response to EW-4 - w/Partial Penetration

Prepared By:	Prepared For:
SECOR International Inc.	SBMWD
Project:	**Location:**
Newmark Superfund Site	San Bernardino, CA



Data Set: J:\...\MW-14C TO EW-4(TC) PP Theis.AQT
Date: 02/06/04 Time: 18:59:18

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 4.136E+04 ft^2/day
S = 0.0009049
Kz/Kr = 0.1
b = 780. ft

WELL DATA

Pumping Wells

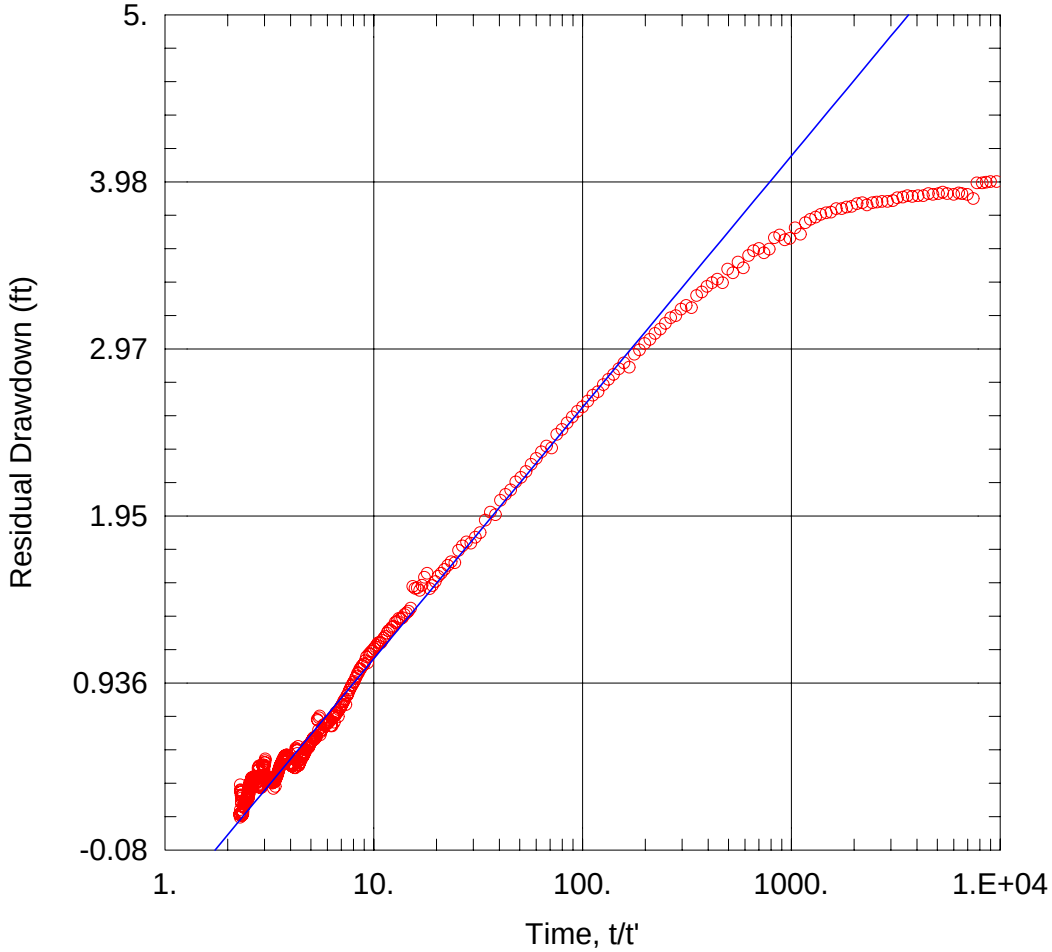
Well Name	X (ft)	Y (ft)
EW-4	6777956.9	1866565.8

Observation Wells

Well Name	X (ft)	Y (ft)
○ MW-14C	6778307.5	1865948.7

MW-14C Response to EW-4 - Trend-Corrected Data w/Partial Penetration

Prepared By:	Prepared For:
SECOR International Inc.	SBMWD
Project:	**Location:**
Newmark Superfund Site	San Bernardino, CA



Data Set: J:\...\MW-14C TO EW-4(TC) PP REC.AQT
Date: 02/06/04 Time: 18:58:53

SOLUTION

Aquifer Model: Confined
Solution Method: Theis (Recovery)

T = 4.624E+04 ft^2/day
S/S' = 1.96

AQUIFER DATA

Saturated Thickness: 780. ft
Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA

Pumping Wells

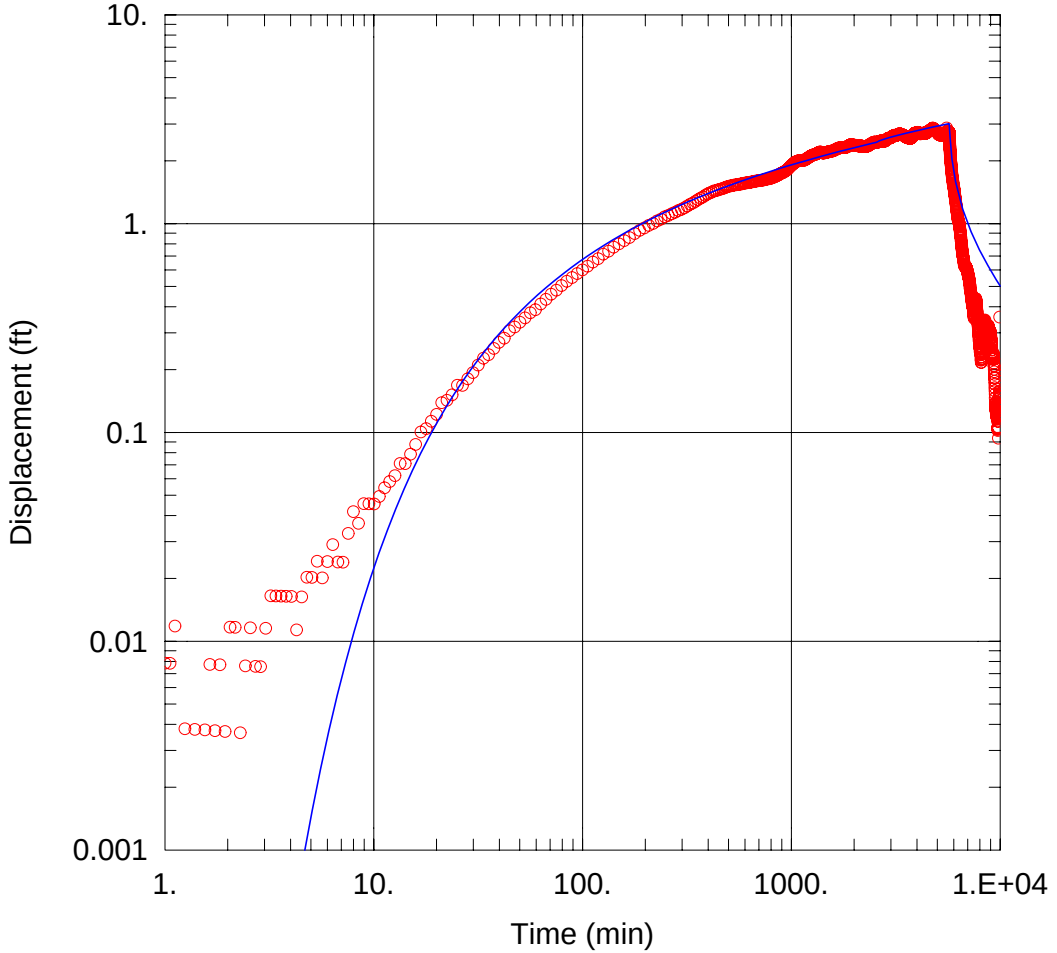
Well Name	X (ft)	Y (ft)
EW-4	6777956.9	1866565.8

Observation Wells

Well Name	X (ft)	Y (ft)
○ MW-14C	6778307.5	1865948.7

MW-15A Response to EW-4 - Trend-Corrected Data

Prepared By:	Prepared For:
SECOR International Inc.	SBMWD
Project:	**Location:**
Newmark Superfund Site	San Bernardino, CA



Data Set: J:\...\MW-15A TO EW-4(TC) Theis.AQT
Date: 02/06/04 Time: 19:00:26

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 5.071E+04 ft^2/day
S = 0.0006559
Kz/Kr = 0.1
b = 780. ft

WELL DATA

Pumping Wells

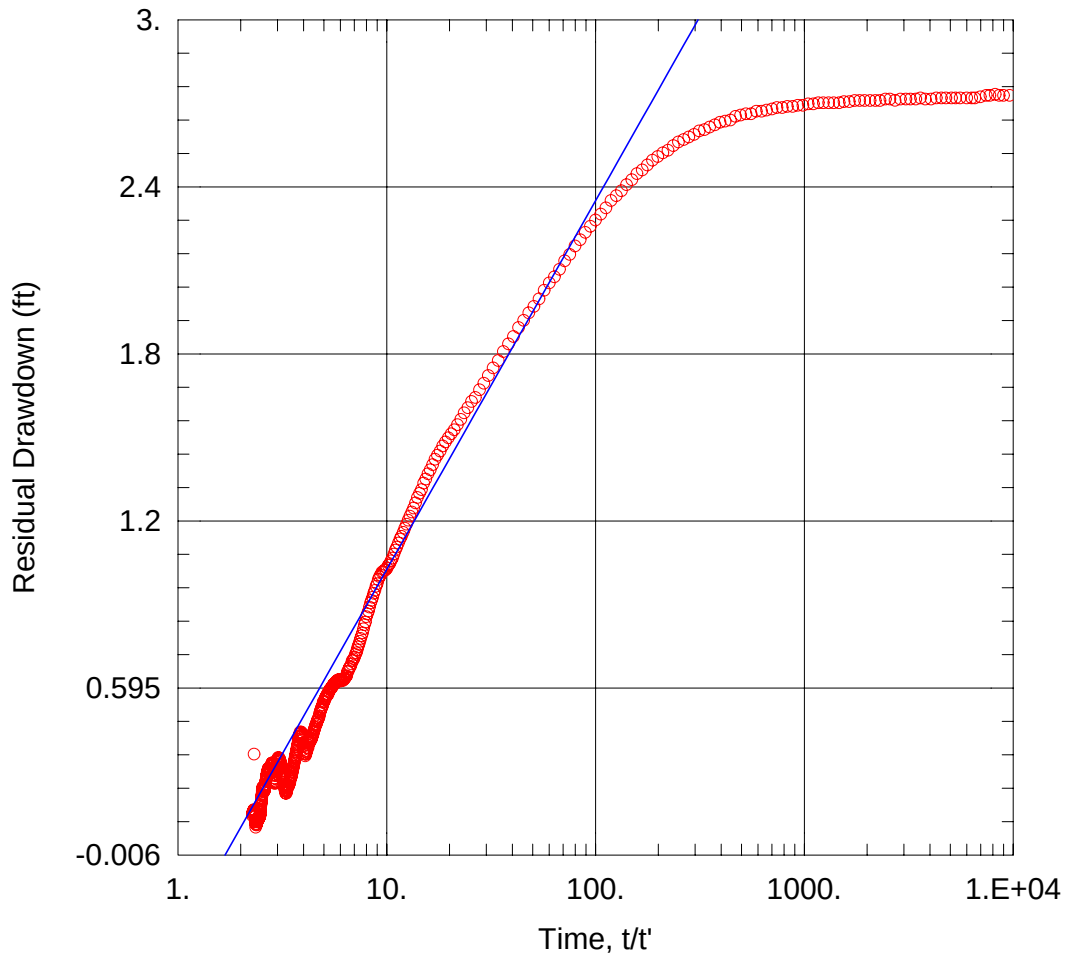
Well Name	X (ft)	Y (ft)
EW-4	6777956.9	1866565.8

Observation Wells

Well Name	X (ft)	Y (ft)
○ MW-15A	6780009.5	1865882.7

MW-15A Response to EW-4 - Trend-Corrected Data

Prepared By:	Prepared For:
SECOR International Inc.	SBMWD
Project:	**Location:**
Newmark Superfund Site	San Bernardino, CA



Data Set: J:\...\MW-15A TO EW-4(TC) REC.AQT
Date: 02/06/04 Time: 19:00:01

SOLUTION

Aquifer Model: Confined
Solution Method: Theis (Recovery)

T = 5.33E+04 ft^2/day
S/S' = 1.699

AQUIFER DATA

Saturated Thickness: 780. ft
Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA

Pumping Wells

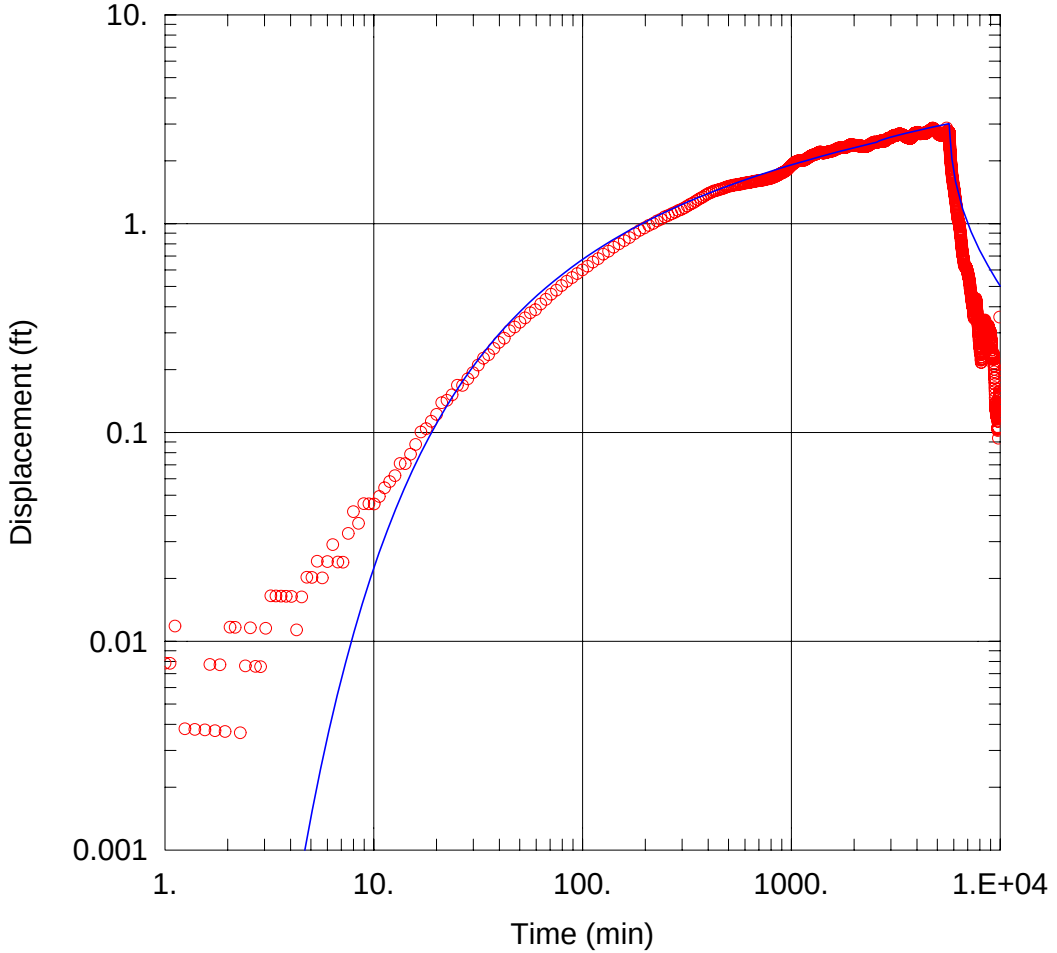
Well Name	X (ft)	Y (ft)
EW-4	6777956.9	1866565.8

Observation Wells

Well Name	X (ft)	Y (ft)
○ MW-15A	6780009.5	1865882.7

MW-15A Response to EW-4 - Trend-Corrected Data

Prepared By:	Prepared For:
SECOR International Inc.	SBMWD
Project:	**Location:**
Newmark Superfund Site	San Bernardino, CA



Data Set: J:\...\MW-15A TO EW-4(TC) Theis.AQT
Date: 02/06/04 Time: 19:00:26

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 5.071E+04 ft^2/day
S = 0.0006559
Kz/Kr = 0.1
b = 780. ft

WELL DATA

Pumping Wells

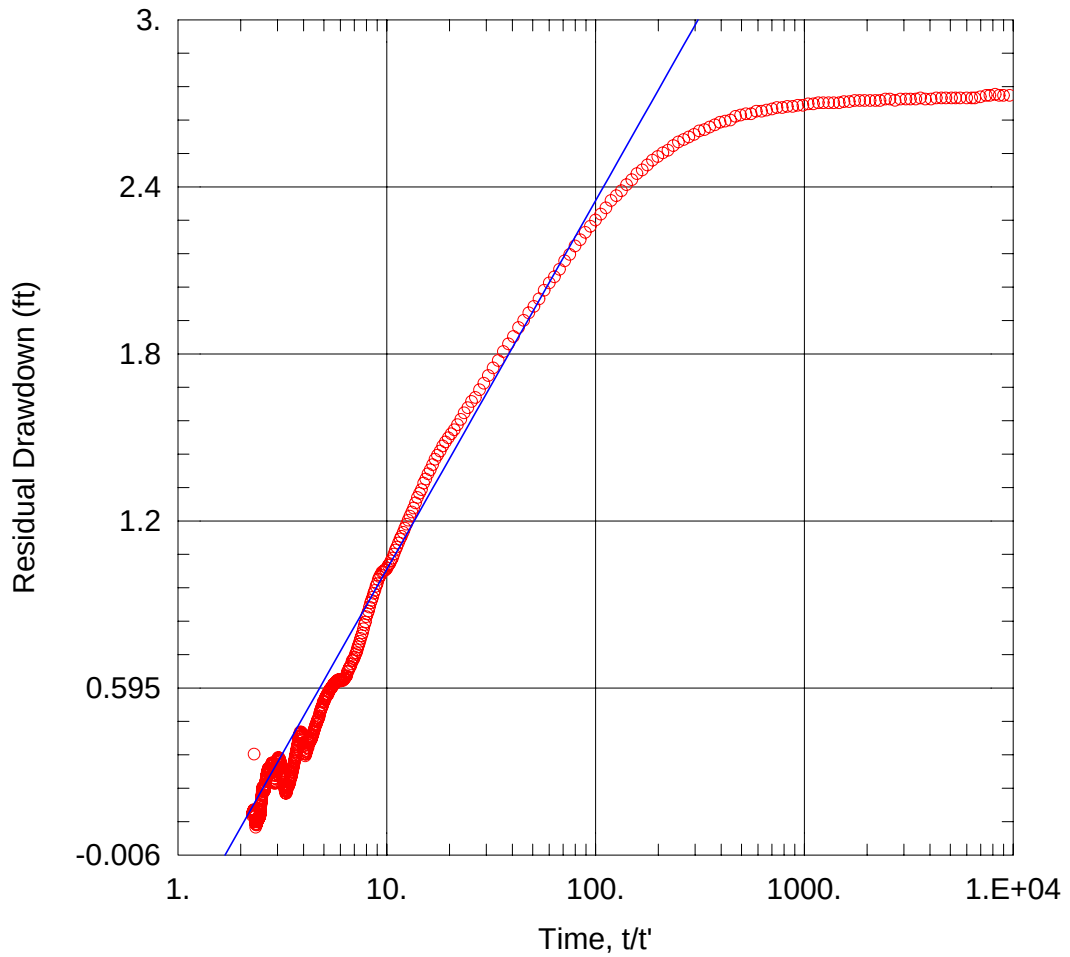
Well Name	X (ft)	Y (ft)
EW-4	6777956.9	1866565.8

Observation Wells

Well Name	X (ft)	Y (ft)
○ MW-15A	6780009.5	1865882.7

MW-15A Response to EW-4 - Trend-Corrected Data

Prepared By:	Prepared For:
SECOR International Inc.	SBMWD
Project:	**Location:**
Newmark Superfund Site	San Bernardino, CA



Data Set: J:\...\MW-15A TO EW-4(TC) REC.AQT
Date: 02/06/04 Time: 19:00:01

SOLUTION

Aquifer Model: Confined
Solution Method: Theis (Recovery)

T = 5.33E+04 ft^2/day
S/S' = 1.699

AQUIFER DATA

Saturated Thickness: 780. ft
Anisotropy Ratio (Kz/Kr): 0.1

WELL DATA

Pumping Wells

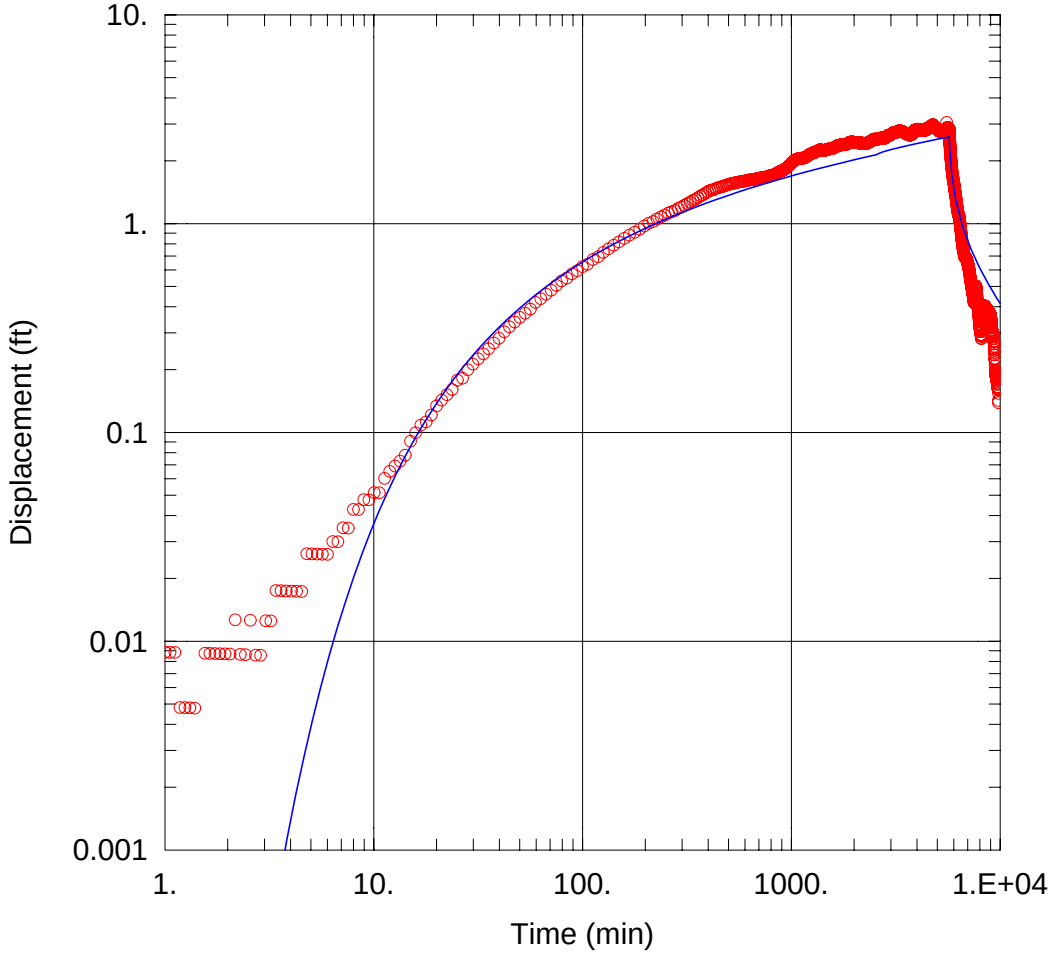
Well Name	X (ft)	Y (ft)
EW-4	6777956.9	1866565.8

Observation Wells

Well Name	X (ft)	Y (ft)
○ MW-15A	6780009.5	1865882.7

MW-15B Response to EW-4 - Trend-Corrected Data

Prepared By:	Prepared For:
SECOR International Inc.	SBMWD
Project:	**Location:**
Newmark Superfund Site	San Bernardino, CA



Data Set: J:\...\MW-15B TO EW-4(TC) Theis.AQT
Date: 02/06/04 Time: 19:01:22

SOLUTION

Aquifer Model: Confined
Solution Method: Theis

T = 6.164E+04 ft^2/day
S = 0.000618
Kz/Kr = 0.1
b = 780. ft

WELL DATA

Pumping Wells

Well Name	X (ft)	Y (ft)
EW-4	6777956.9	1866565.8

Observation Wells

Well Name	X (ft)	Y (ft)
○ MW-15B	6780009.5	1865882.7