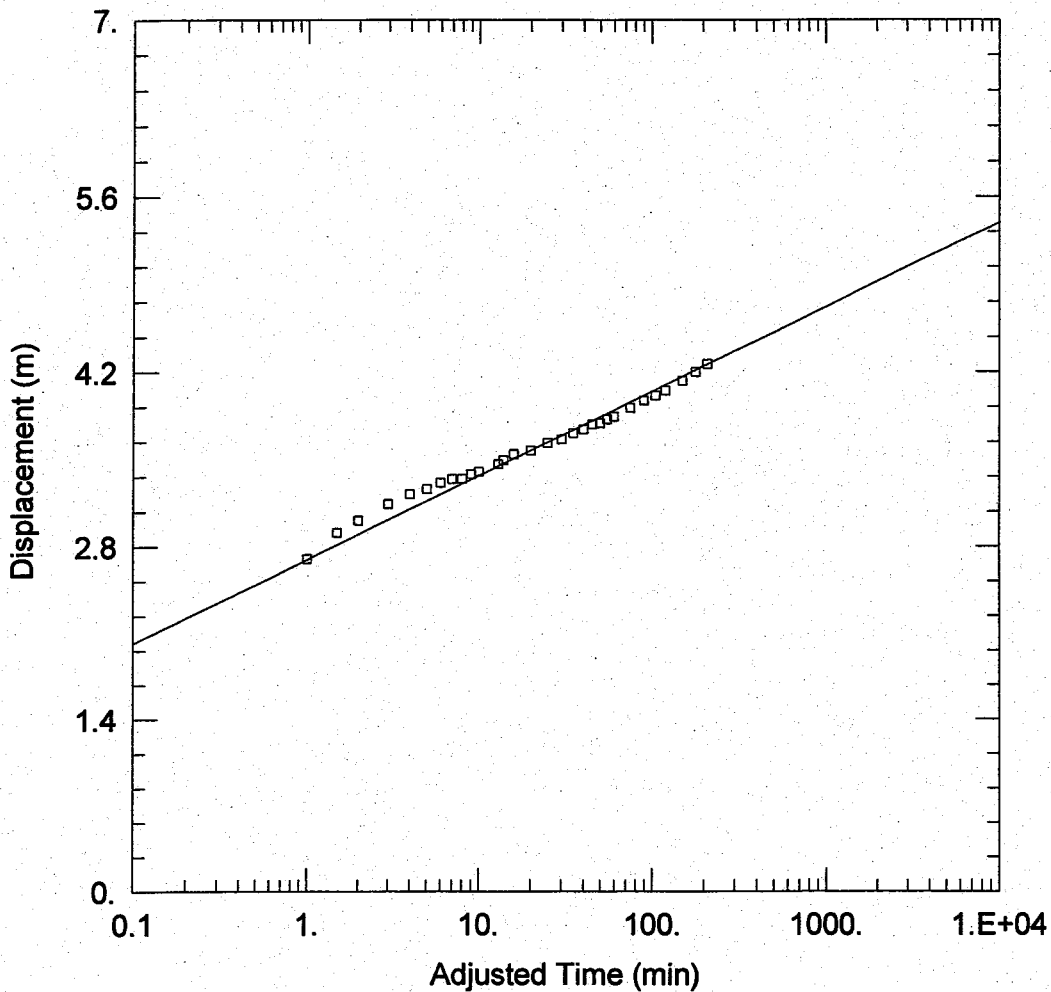


**Appendix H**  
**72 Hour Pumping Test Analyses**



**SANDILANDS PUMPING TEST**

Data Set: C:\...\TH-5A Early.aqt  
 Date: 11/21/05

Time: 15:12:37

**PROJECT INFORMATION**

Company: UMA Engineering  
 Client: PVWC  
 Project: F405-001-00  
 Test Location: Sandilands  
 Test Well: PW\_1  
 Test Date: Nov. 2 to 5, 2005

**AQUIFER DATA**

Saturated Thickness: 38. m

Anisotropy Ratio (Kz/Kr): 1.

**WELL DATA**

**Pumping Wells**

**Observation Wells**

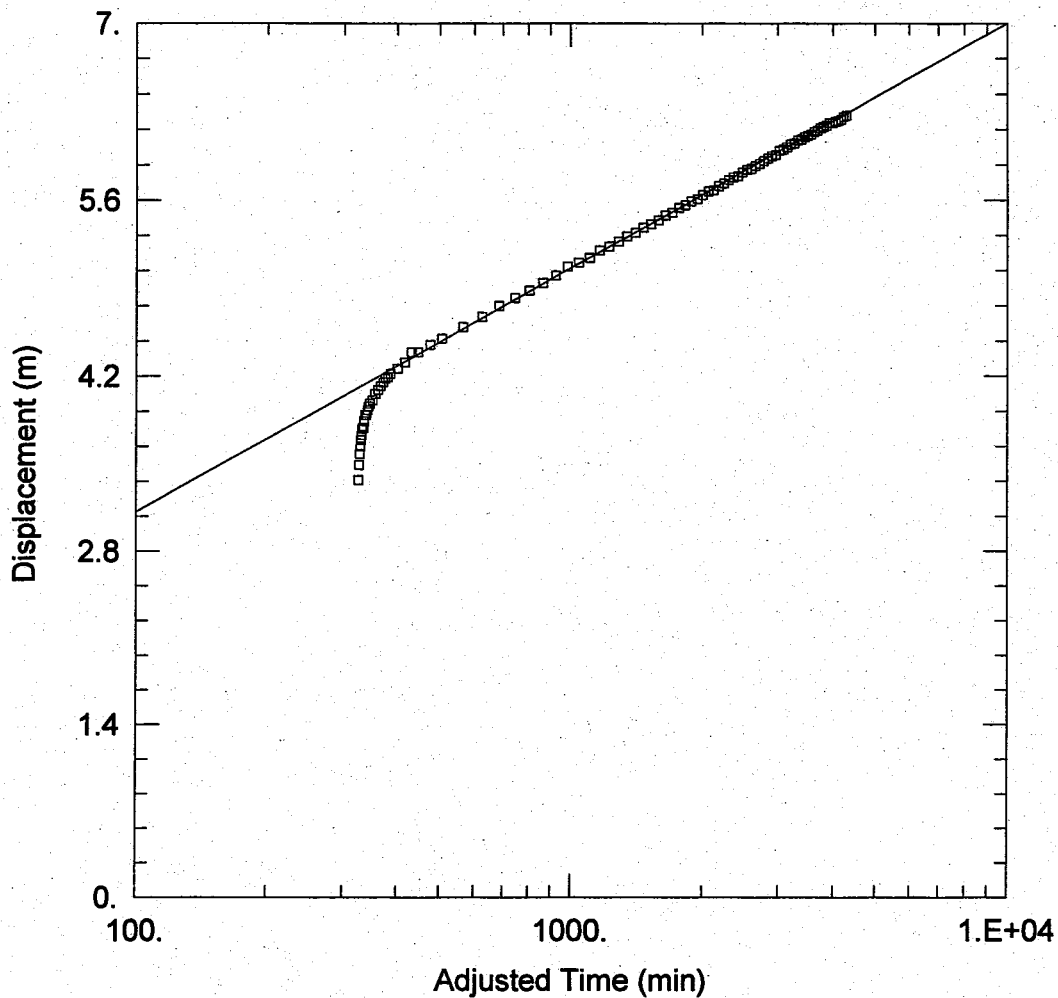
Well Name	X (m)	Y (m)
PW 1	0	0

Well Name	X (m)	Y (m)
□ TH-5A Early	3	0

**SOLUTION**

Aquifer Model: Confined  
 T = 0.02914 m<sup>2</sup>/sec

Solution Method: Cooper-Jacob  
 S = 4.433E-05



### SANDILANDS PUMPING TEST

Data Set: C:\...\TH-5A Late.aqt  
 Date: 11/21/05

Time: 15:15:33

### PROJECT INFORMATION

Company: UMA Engineering  
 Client: PVWC  
 Project: F405-001-00  
 Test Location: Sandilands  
 Test Well: PW 1  
 Test Date: Nov. 2 to 5, 2005

### AQUIFER DATA

Saturated Thickness: 38. m

Anisotropy Ratio (Kz/Kr): 1.

### WELL DATA

#### Pumping Wells

Well Name	X (m)	Y (m)
PW 1	0	0

#### Observation Wells

Well Name	X (m)	Y (m)
□ TH-5A Late	3	0

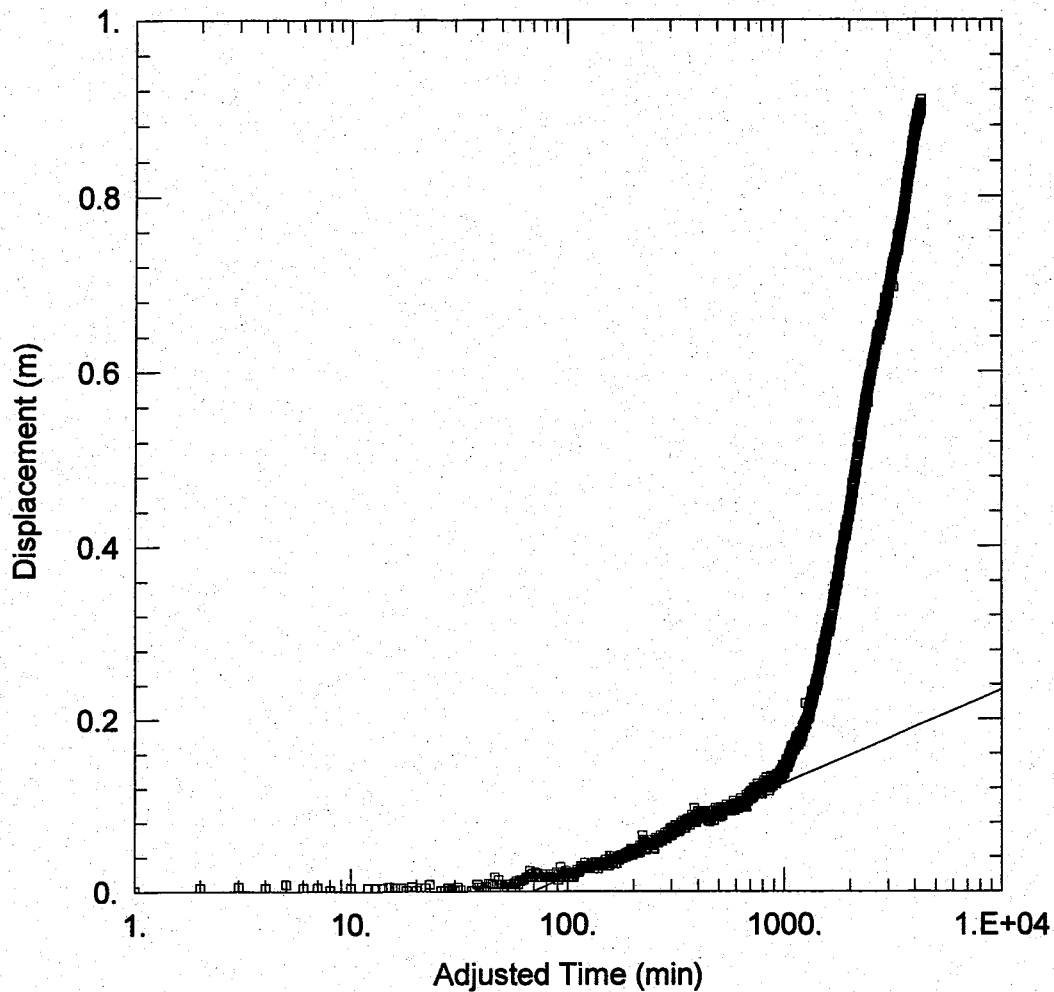
### SOLUTION

Aquifer Model: Confined

Solution Method: Cooper-Jacob

T = 0.01011 m<sup>2</sup>/sec

S = 0.378



**SANDILANDS PUMPING TEST**

Data Set: C:\...\TH-7.aqt  
 Date: 11/21/05

Time: 15:40:28

**PROJECT INFORMATION**

Company: UMA Engineering  
 Client: PVWC  
 Project: F405-001-00  
 Test Location: Sandilands  
 Test Well: PW-1  
 Test Date: Nov. 2 to 5, 2005

**AQUIFER DATA**

Saturated Thickness: 38. m

Anisotropy Ratio (Kz/Kr): 1.

**WELL DATA**

**Pumping Wells**

**Observation Wells**

Well Name	X (m)	Y (m)	Well Name	X (m)	Y (m)
PW 1	0	0	□ TH-7 Early	1646	0

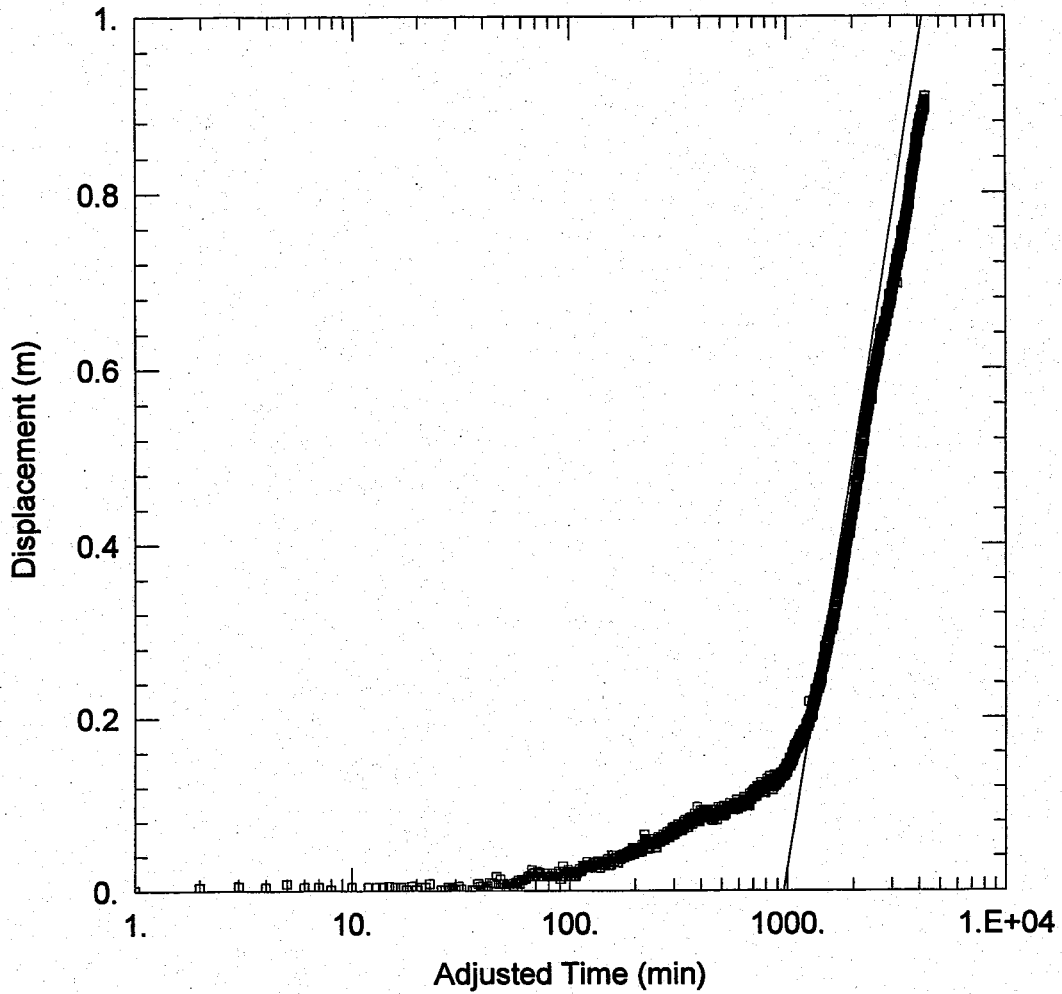
**SOLUTION**

Aquifer Model: Confined

Solution Method: Cooper-Jacob

T = 0.1816 m<sup>2</sup>/sec

S = 0.0006256



**SANDILANDS PUMPING TEST**

Data Set: C:\...\TH-7.aqt  
 Date: 11/21/05

Time: 15:41:08

**PROJECT INFORMATION**

Company: UMA Engineering  
 Client: PWVC  
 Project: F405-001-00  
 Test Location: Sandilands  
 Test Well: PW-1  
 Test Date: Nov. 2 to 5, 2005

**AQUIFER DATA**

Saturated Thickness: 38. m

Anisotropy Ratio (Kz/Kr): 1.

**WELL DATA**

**Pumping Wells**

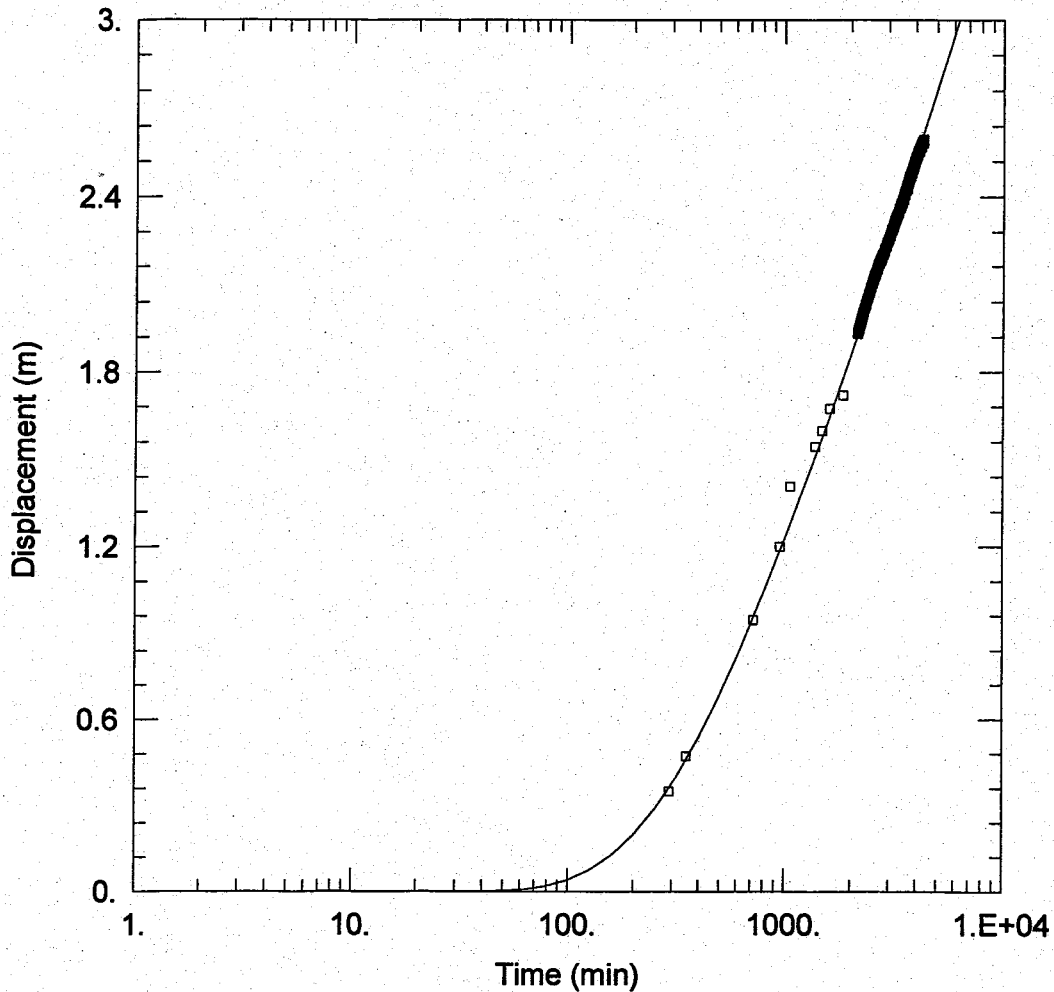
**Observation Wells**

Well Name	X (m)	Y (m)	Well Name	X (m)	Y (m)
PW 1	0	0	□ TH-7 Late	1646	0

**SOLUTION**

Aquifer Model: Confined  
 T = 0.0125 m<sup>2</sup>/sec

Solution Method: Cooper-Jacob  
 S = 0.0006004



**SANDILANDS PUMPING TEST**

Data Set: C:\...\ITH-12.aqt

Date: 11/21/05

Time: 15:49:03

**PROJECT INFORMATION**

Company: UMA Engineering

Client: PVWC

Project: F405-001-00

Test Location: Sandilands

Test Well: PW-1

Test Date: Nov. 2 to 5, 2005

**WELL DATA**

**Pumping Wells**

**Observation Wells**

Well Name	X (m)	Y (m)
PW 1	0	0

Well Name	X (m)	Y (m)
□ TH-12	778	0

**SOLUTION**

Aquifer Model: Confined

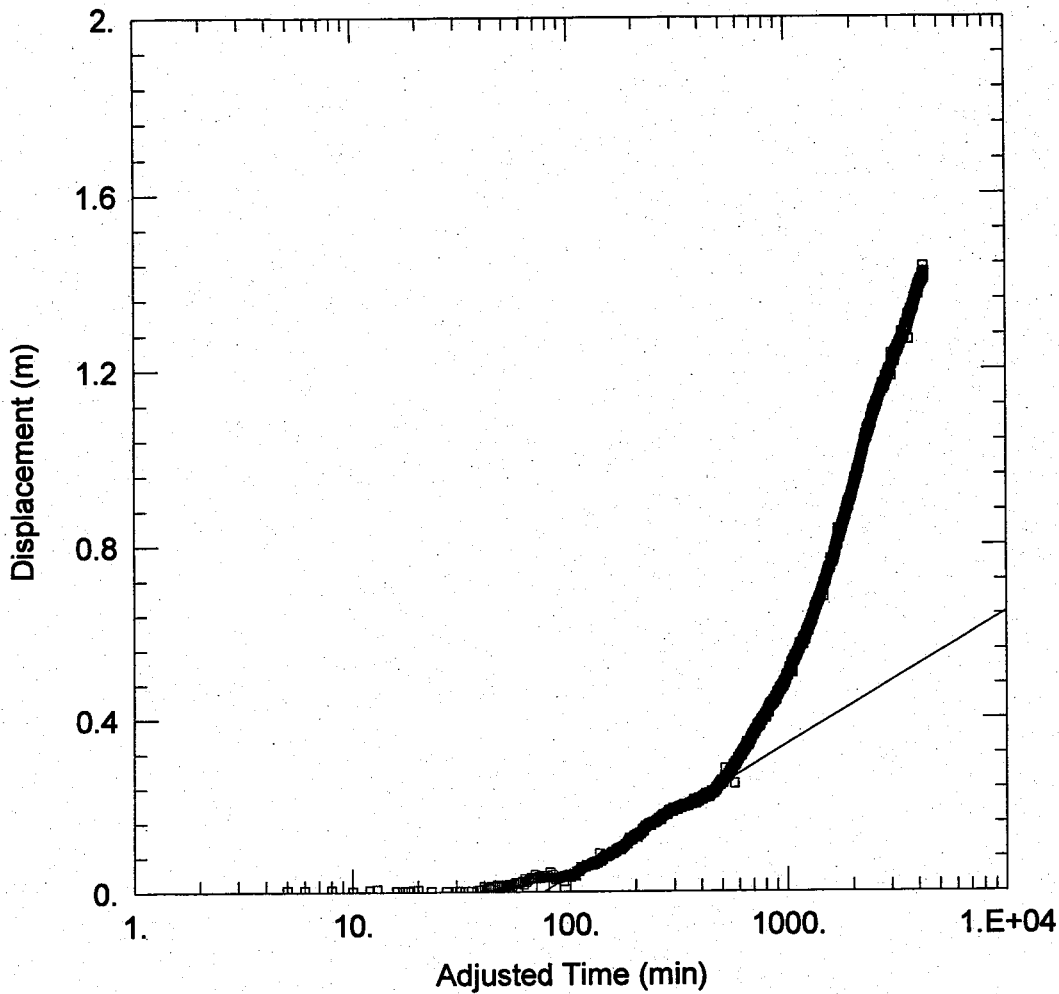
Solution Method: Theis

T = 0.007988 m<sup>2</sup>/sec

S = 0.0006982

Kz/Kr = 1.

b = 38. m



**SANDILANDS PUMPING TEST**

Data Set: C:\...\TH-19.aqt  
 Date: 11/21/05

Time: 15:53:43

**PROJECT INFORMATION**

Company: UMA Engineering  
 Client: PVWC  
 Project: F405-001-00  
 Test Location: Sandilands  
 Test Well: PW-1  
 Test Date: Nov. 2 to 5, 2005

**AQUIFER DATA**

Saturated Thickness: 38. m

Anisotropy Ratio (Kz/Kr): 1.

**WELL DATA**

Pumping Wells			Observation Wells		
Well Name	X (m)	Y (m)	Well Name	X (m)	Y (m)
PW 1	0	0	□ TH-19 Early	778	0

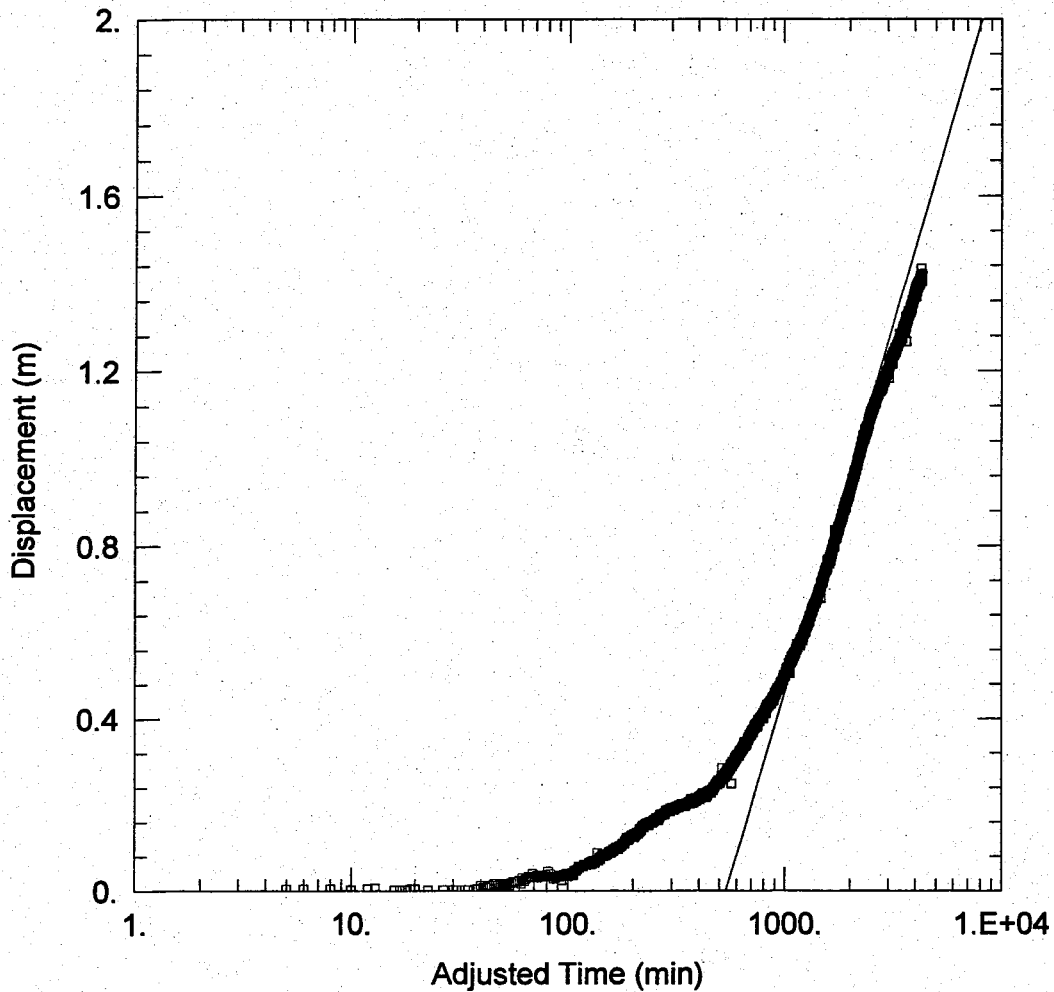
**SOLUTION**

Aquifer Model: Confined

Solution Method: Cooper-Jacob

T = 0.06458 m<sup>2</sup>/sec

S = 0.001091



**SANDILANDS PUMPING TEST**

Data Set: C:\...\TH-19.aqt  
 Date: 11/21/05

Time: 15:58:48

**PROJECT INFORMATION**

Company: UMA Engineering  
 Client: PVWC  
 Project: F405-001-00  
 Test Location: Sandilands  
 Test Well: PW-1  
 Test Date: Nov. 2 to 5, 2005

**AQUIFER DATA**

Saturated Thickness: 38. m

Anisotropy Ratio (Kz/Kr): 1.

**WELL DATA**

**Pumping Wells**

**Observation Wells**

Well Name	X (m)	Y (m)
PW 1	0	0

Well Name	X (m)	Y (m)
□ TH-19 Late	778	0

**SOLUTION**

Aquifer Model: Confined

Solution Method: Cooper-Jacob

T = 0.01162 m<sup>2</sup>/sec

S = 0.001385