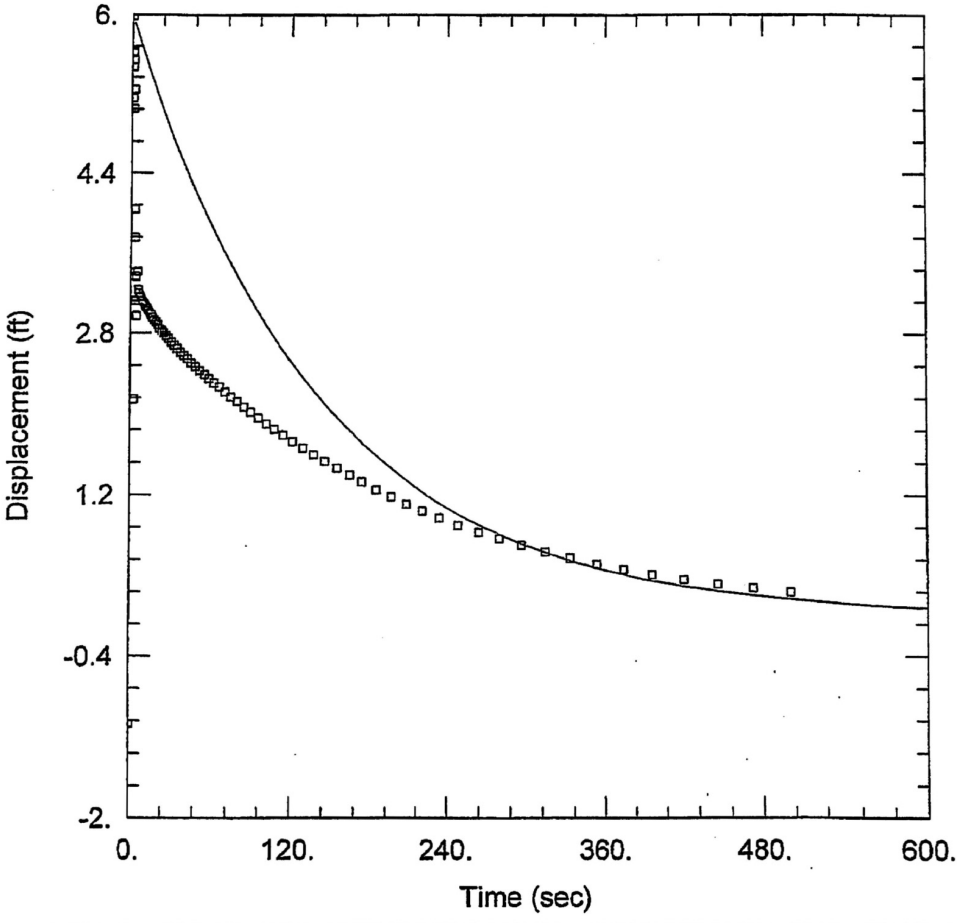
Prepared by: WSL Date: 3-14-08
Checked by: BWA Date: 3/14/08



OW-2269 U FALLING HEAD

PROJECT INFORMATION

Company: MACTEC
Client: Bechtel Power Corp.
Project: 6468-07-1777.210
Location: Victoria, Texas
Test Well: OW-2269 U
Test Date: 1-16-08

AQUIFER DATA

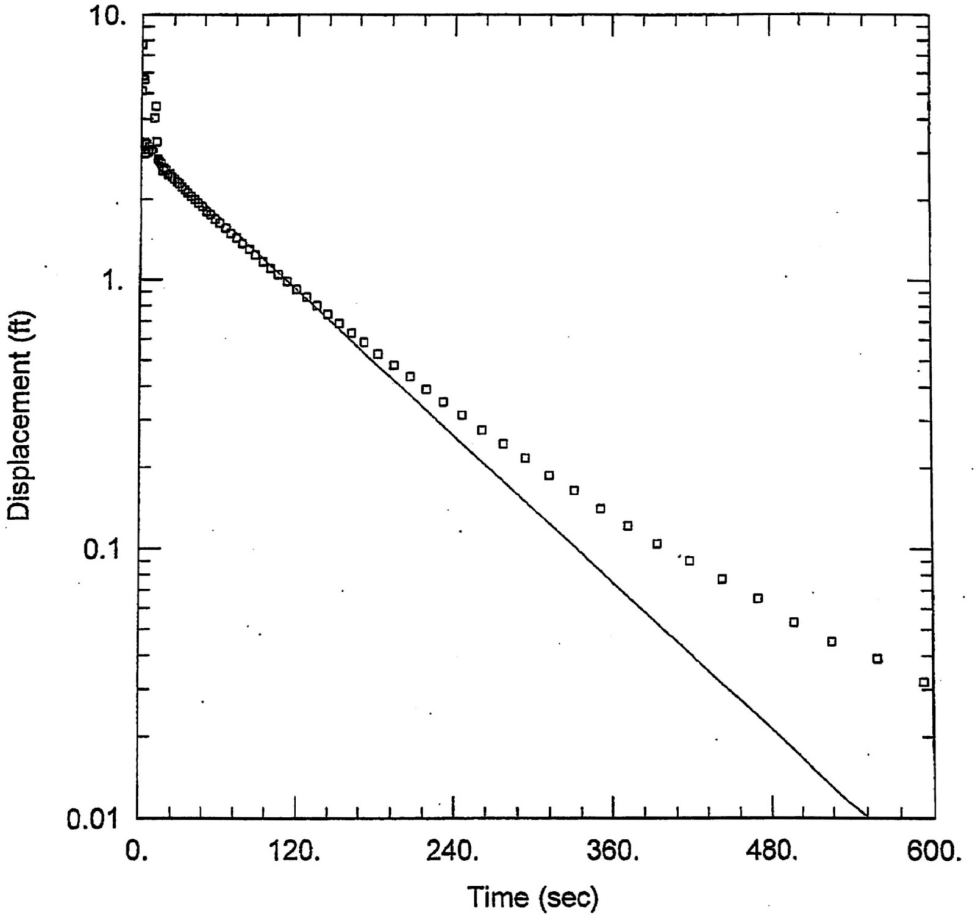
Saturated Thickness: 9.6 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW-2269 U)

Initial Displacement: 5.985 ft
Total Well Penetration Depth: 90. ft
Casing Radius: 0.083 ft
Static Water Column Height: 46.63 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Butler
K = 1.132 ft/day
Le = 10. ft



OW-2269 U FALLING HEAD B

PROJECT INFORMATION

Company: MACTEC
Client: Bechtel Power Corp.
Project: 6468-07-1777.210
Location: Victoria, Texas
Test Well: OW-2269 U
Test Date: 1-16-08

AQUIFER DATA

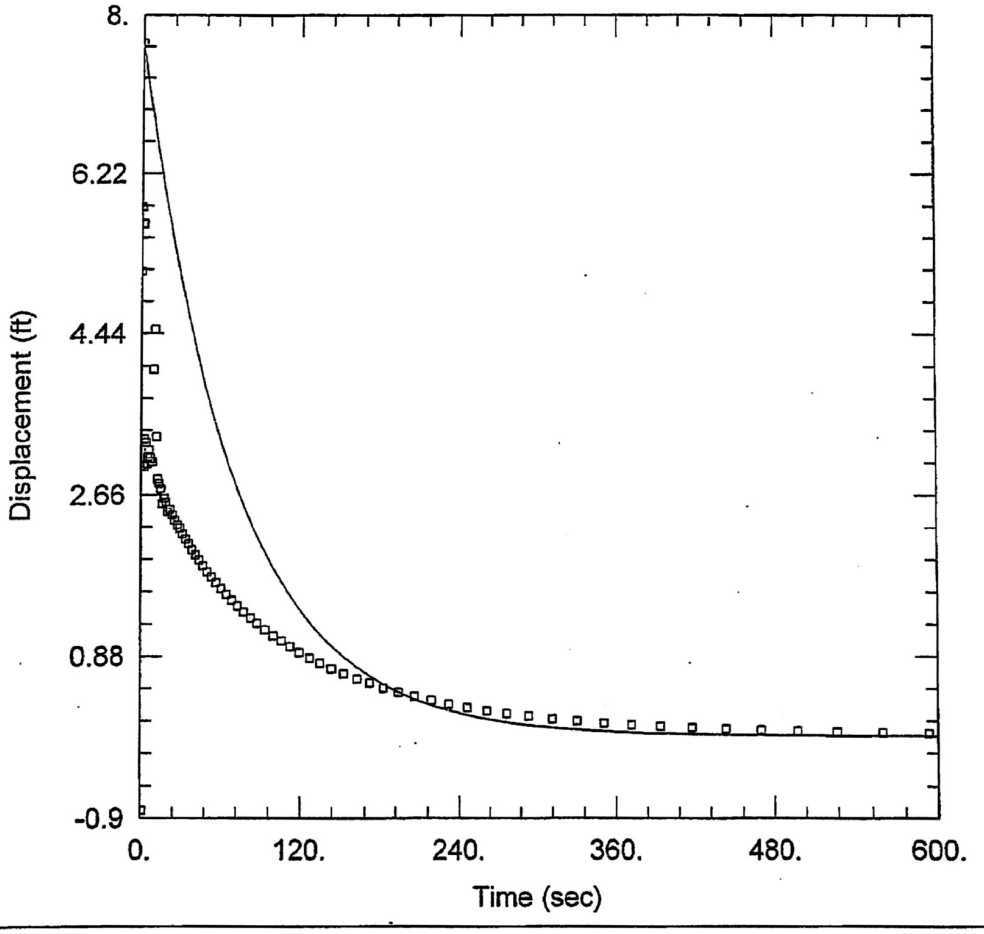
Saturated Thickness: 9.6 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW-2269 U)

Initial Displacement: 7.683 ft
Total Well Penetration Depth: 90. ft
Casing Radius: 0.083 ft
Static Water Column Height: 46.63 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 1.565 ft/day
y0 = 3.202 ft



OW-2269 U FALLING HEAD B

PROJECT INFORMATION

Company: MACTEC
Client: Bechtel Power Corp.
Project: 6468-07-1777.210
Location: Victoria, Texas
Test Well: OW-2269 U
Test Date: 1-16-08

AQUIFER DATA

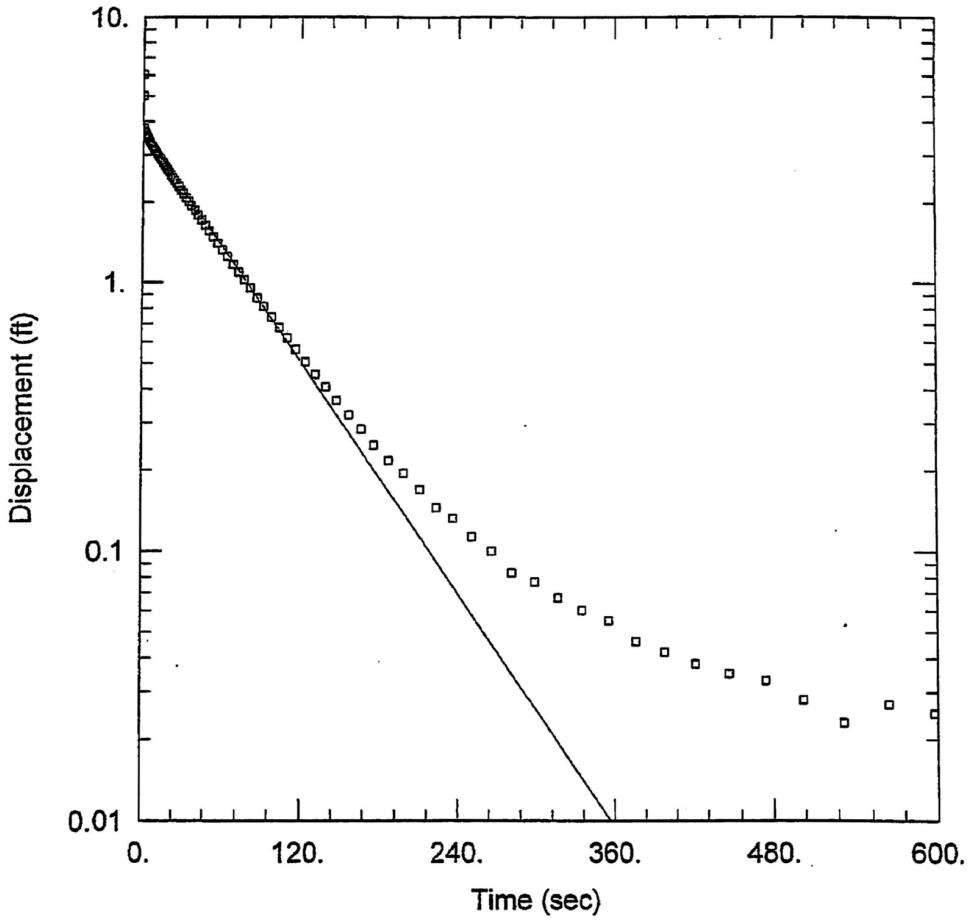
Saturated Thickness: 9.6 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW-2269 U)

Initial Displacement: 7.683 ft
Total Well Penetration Depth: 90. ft
Casing Radius: 0.083 ft
Static Water Column Height: 46.63 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Butler
K = 2.249 ft/day
Le = 1. ft



OW-2269U RISING HEAD

PROJECT INFORMATION

Company: MACTEC
Client: Bechtel Power Corp.
Project: 6468-07-1777.210
Location: Victoria, Texas
Test Well: OW-2269 U
Test Date: 1-16-08

AQUIFER DATA

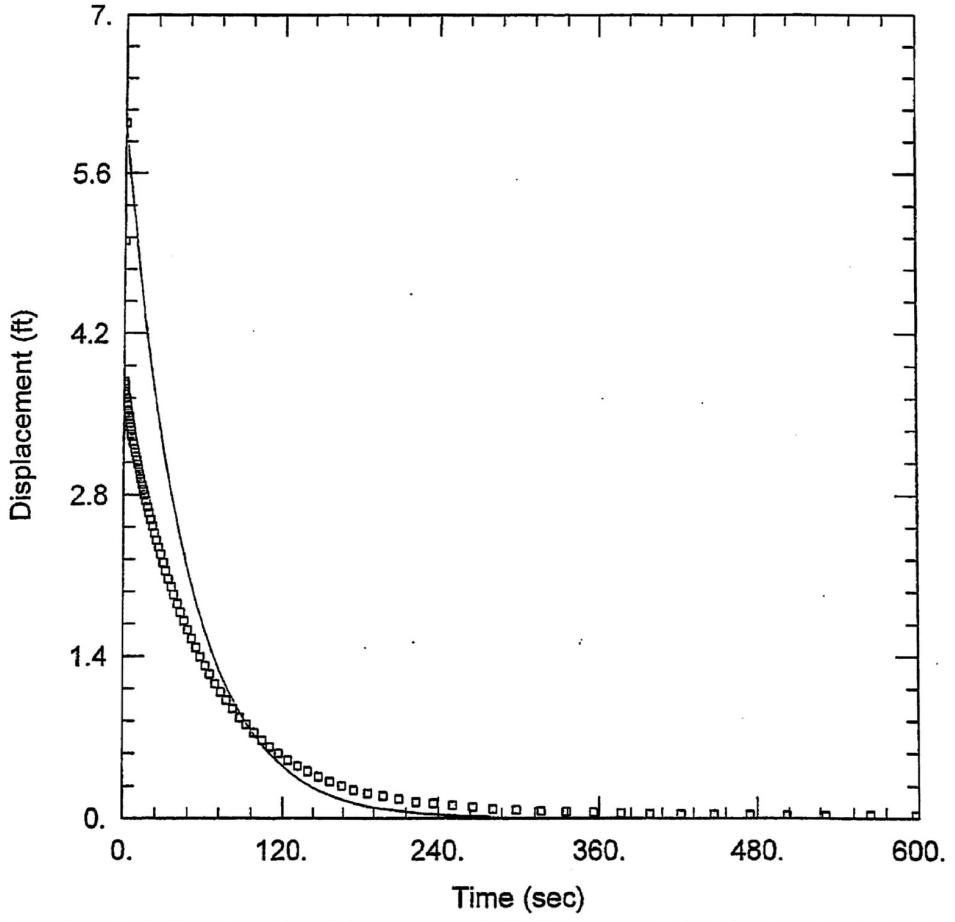
Saturated Thickness: 9.6 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW-2269U)

Initial Displacement: 6.043 ft
Total Well Penetration Depth: 90. ft
Casing Radius: 0.083 ft
Static Water Column Height: 46.63 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 2.49 ft/day
y0 = 3.736 ft



OW-2269U RISING HEAD

PROJECT INFORMATION

Company: MACTEC
Client: Bechtel Power Corp.
Project: 6468-07-1777.210
Location: Victoria, Texas
Test Well: OW-2269 U
Test Date: 1-16-08

AQUIFER DATA

Saturated Thickness: 9.6 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW-2269U)

Initial Displacement: 6.043 ft
Total Well Penetration Depth: 90. ft
Casing Radius: 0.083 ft
Static Water Column Height: 46.63 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Butler
K = 3.407 ft/day
Le = 0.1 ft

Checked by: CHB Date: 3/14/08

MACTEC

SLUG TEST REPORT

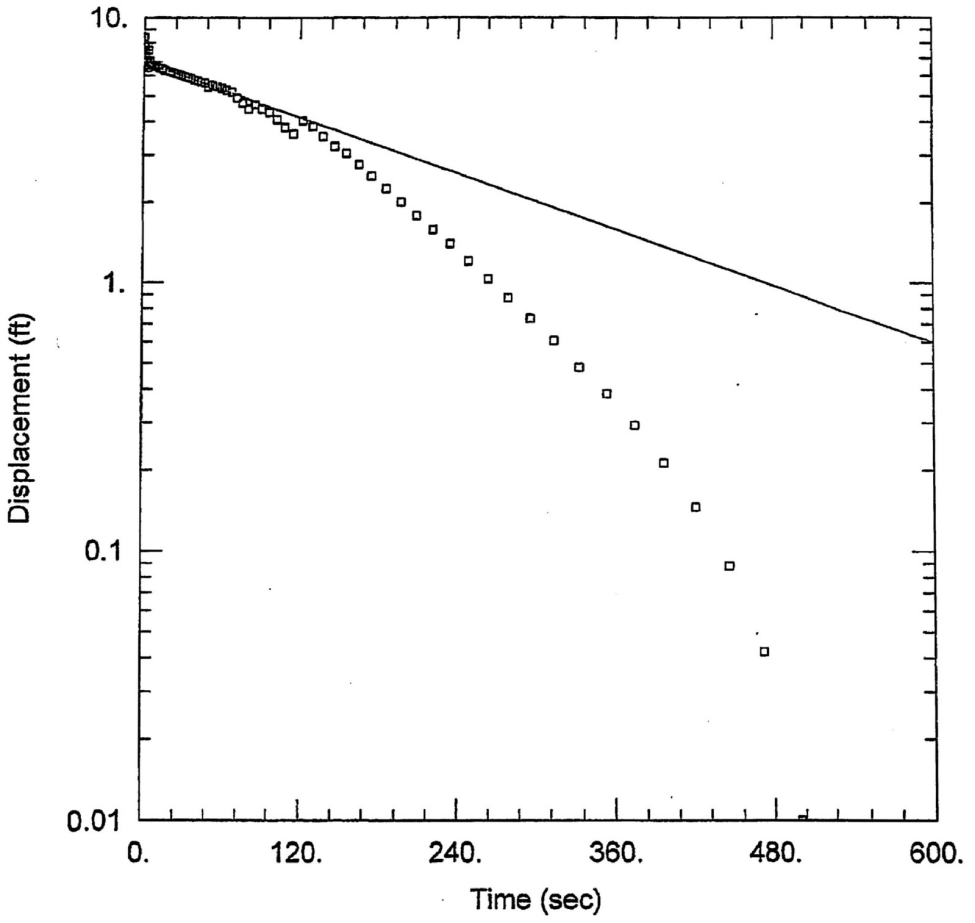
Project Name: Exelon COL	Project Number: 6469-07-1777	Page 1 of 1	OW-2269L
Client: Bechtel	Contractor: MACTEC	1/15/08 2	
Location: Victoria	MACTEC Rep: K.M. DIXSON B. TAYLOR	Date: 1/16/08	

UNITS			
Length	Feet		
Time	Minutes		
Well Data			
Static Water Level	48.78 feet		
Total Well Depth	138.52 feet		
Static Water Column Height (H)	89.74 feet		
	Background	Falling Head	Rising Head
Observed Initial Displacement (H_0)	NA	~25 FEET	~6 FEET
Saturated Thickness (b)	feet		
Conductivity Anisotropy (Kv/Kh)	Assume 1 to 1		
Depth to Top of Well Screen (d)	130 feet		
Length of Well Screen (L)	10 feet		
Radius of Well Casing (rc)	0.083 feet		
Radius of Screen (rw)	0.083 feet		
Radius of Probe (req)			
Radius of Boring (rsk) Skin Effect	0.083 feet		
Probe Serial Number	116799		
Slug Data	DOUBLE SLUG		
Length	5.5' + 5.5'		
weight	17.50 lbs		
Diameter	1.625"		

Slug Test File	Background	Falling	Rising
File Name	OW-2269L	OW-2269L FALLING HEAD	OW-2269L RISING HEAD
Start Time	1/16/08 3:41:43 PM	12:53:21 PM	1:06:45
End Time	1/16/08 12:49:43 PM	1:03:21 PM	

Notes

Rev 0



OW-2269L FALLING HEAD

PROJECT INFORMATION

Company: MACTEC
Client: Bechtel Power Corp.
Project: 6468-07-1777.210
Location: Victoria, Texas
Test Well: OW-2269 L
Test Date: 1-16-08

AQUIFER DATA

Saturated Thickness: 9.6 ft
Anisotropy Ratio (Kz/Kr): 1.

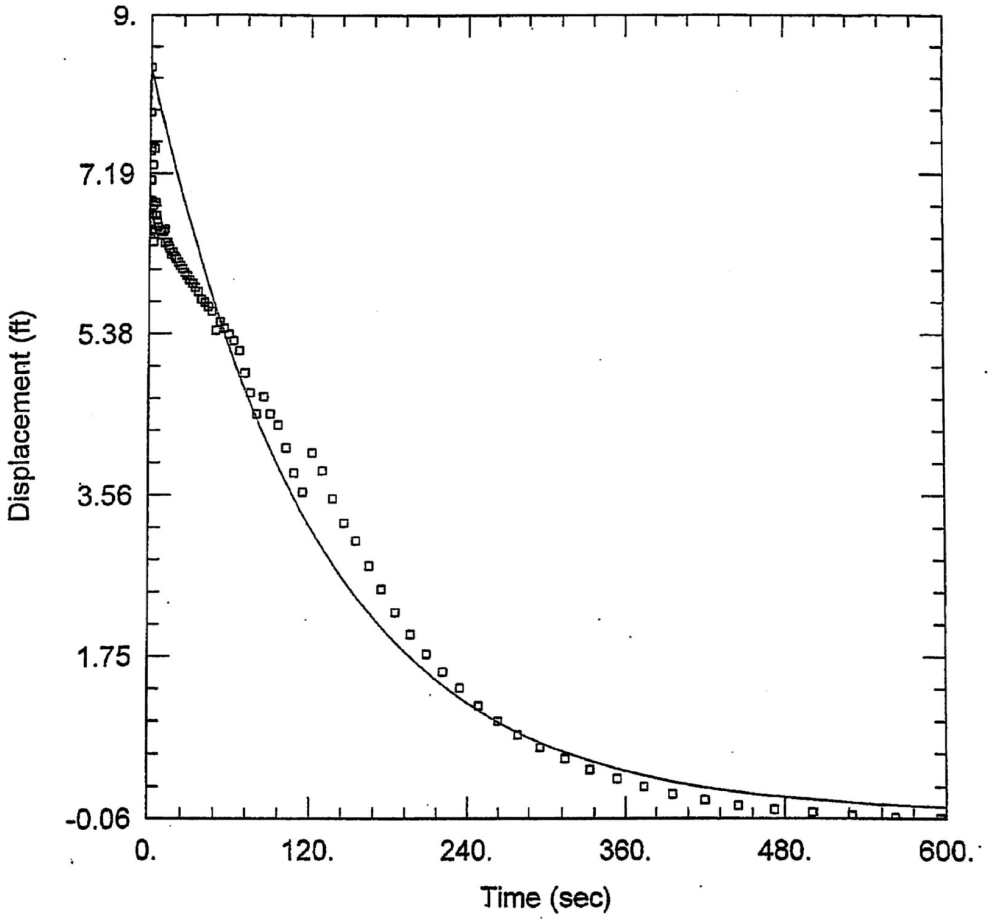
WELL DATA (OW-2269L)

Initial Displacement: 8.4 ft
Total Well Penetration Depth: 140. ft
Casing Radius: 0.083 ft
Static Water Column Height: 89.74 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 0.6343 ft/day
y0 = 6.737 ft

Prepared by: WJ Date: 3-14-08
Checked by: BWD Date: 3/14/08



OW-2269L FALLING HEAD

PROJECT INFORMATION

Company: MACTEC
Client: Bechtel Power Corp.
Project: 6468-07-1777.210
Location: Victoria, Texas
Test Well: OW-2269 L
Test Date: 1-16-08

AQUIFER DATA

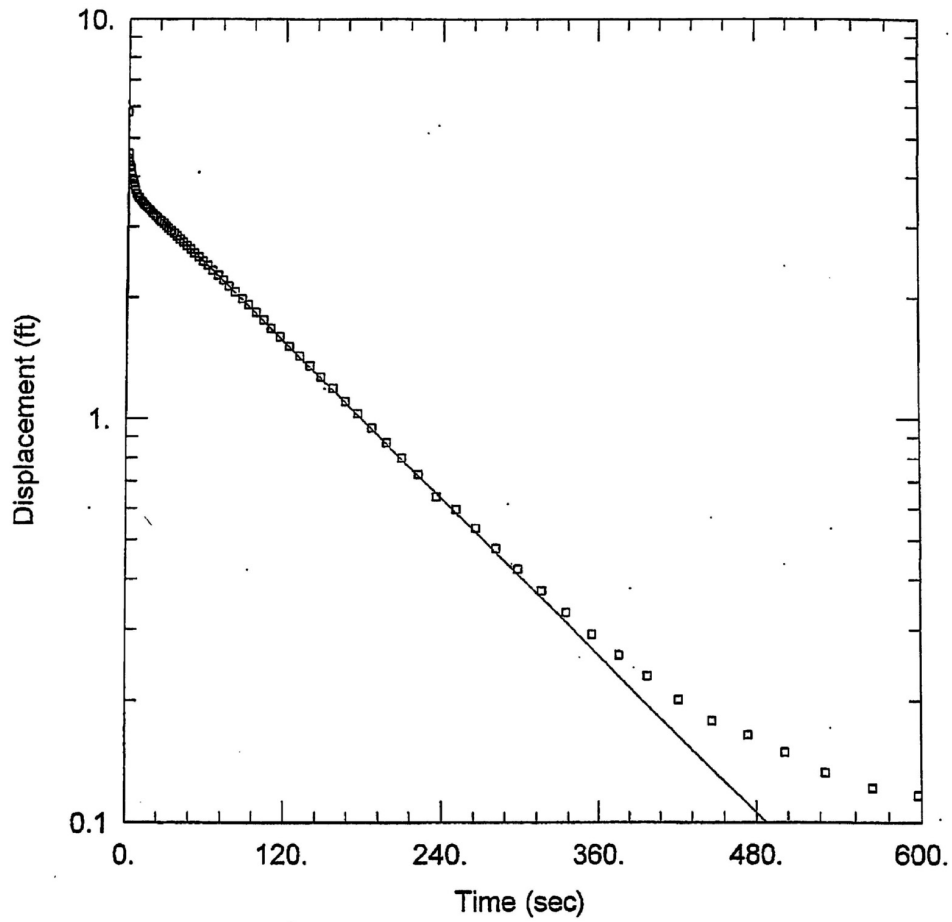
Saturated Thickness: 9.6 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW-2269L)

Initial Displacement: 8.4 ft
Total Well Penetration Depth: 140. ft
Casing Radius: 0.083 ft
Static Water Column Height: 89.74 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Butler
K = 1.263 ft/day
Le = 0.1 ft



OW-2269L RISING HEAD

PROJECT INFORMATION

Company: MACTEC
Client: Bechtel Power Corp.
Project: 6468-07-1777.210
Location: Victoria, Texas
Test Well: OW-2269 L
Test Date: 1-16-08

AQUIFER DATA

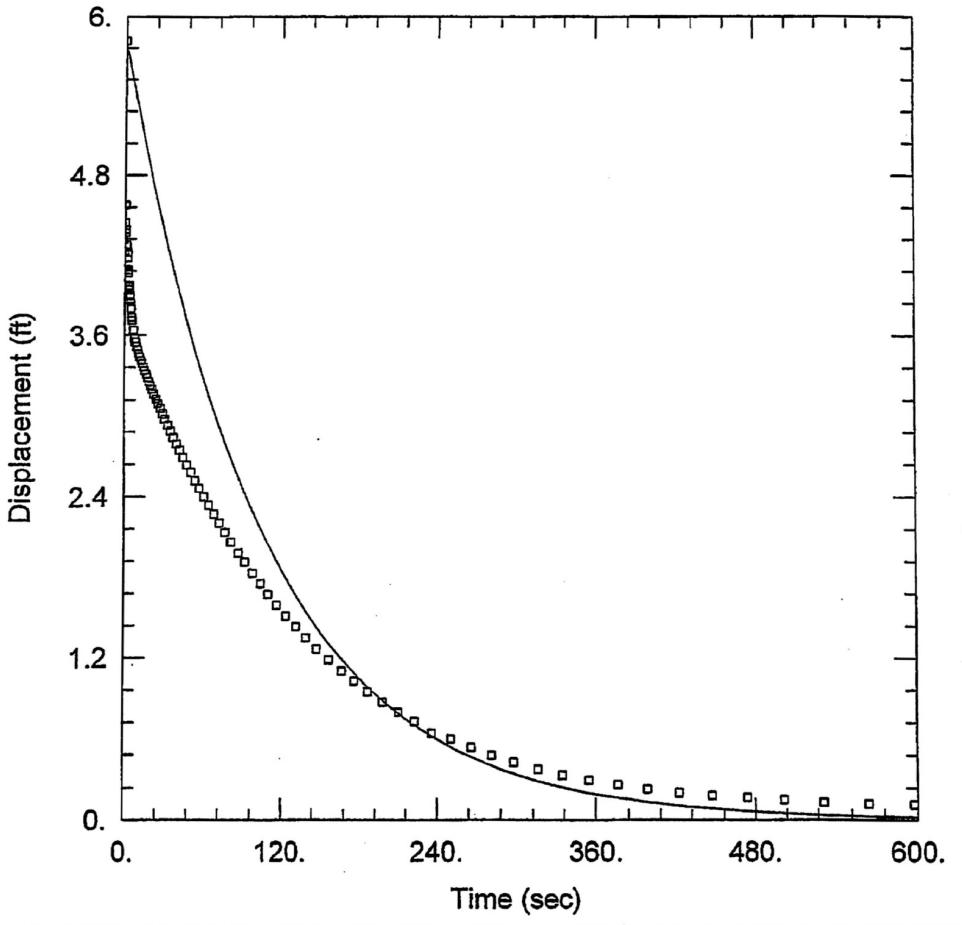
Saturated Thickness: 9.6 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW-2269L)

Initial Displacement: 5.813 ft
Total Well Penetration Depth: 140. ft
Casing Radius: 0.083 ft
Static Water Column Height: 89.74 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 1.173 ft/day
y0 = 3.786 ft



OW-2269L RISING HEAD

PROJECT INFORMATION

Company: MACTEC
Client: Bechtel Power Corp.
Project: 6468-07-1777.210
Location: Victoria, Texas
Test Well: OW-2269 L
Test Date: 1-16-08

AQUIFER DATA

Saturated Thickness: 9.6 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW-2269L)

Initial Displacement: 5.813 ft
Total Well Penetration Depth: 140. ft
Casing Radius: 0.083 ft
Static Water Column Height: 89.74 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Butler
K = 1.499 ft/day
Le = 10. ft

Checked by: CHB Date: 3/14/08

MACTEC

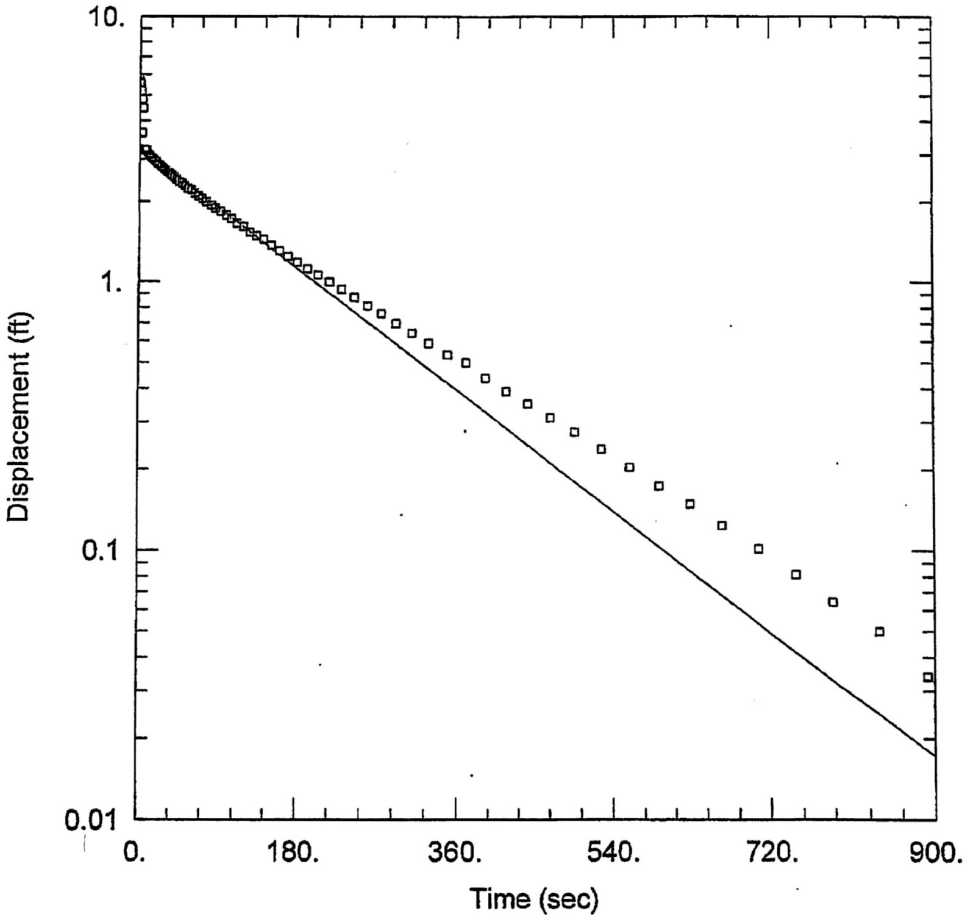
SLUG TEST REPORT

Project Name: Exelon COL	Project Number: 6469-07-1777	Page 1 of 1	OW-2284U
Client: Bechtel	Contractor: MACTEC		
Location: Victoria	MACTEC Rep: L.M. BISSETT / B. TAYLOR	Date: 1/15/08 & 1/16/08	

UNITS			
Length	Feet		
Time	Minutes		
Well Data			
Static Water Level	38.10 feet		
Total Well Depth	78.45 feet		
Static Water Column Height (H)	40.35 feet		
	Background	Falling Head	Rising Head
Observed Initial Displacement (H_0)	NA	~24. FEET.	~21.4 FEET
Saturated Thickness (b)	feet		
Conductivity Anisotropy (Kv/Kh)	Assume 1 to 1		
Depth to Top of Well Screen (d)	65 feet		
Length of Well Screen (L)	10 feet		
Radius of Well Casing (rc)	0.083 feet		
Radius of Screen (rw)	0.083 feet		
Radius of Probe (req)			
Radius of Boring (rsk) Skin Effect	0.083 feet		
Probe Serial Number	106721		
Slug Data	# 2		
Length	5. FEET		
weight			
Diameter	1.62"		

Slug Test File	Background	Falling		Rising
File Name	OW-2284U	OW-2284U FALLING HEAD	OW-2284U FALLING HEAD	OW-2284 RISING HEAD
Start Time	1/15 3:11:55 PM	10:41:33	10:56:33	10:07:45
End Time	1/16 9:12:36 AM	10:		

Notes



OW-2284U FALLING HEAD

PROJECT INFORMATION

Company: MACTEC
Client: Bechtel Power Corp.
Project: 6468-07-1777.210
Location: Victoria, Texas
Test Well: OW-2284U
Test Date: 1-16-08

AQUIFER DATA

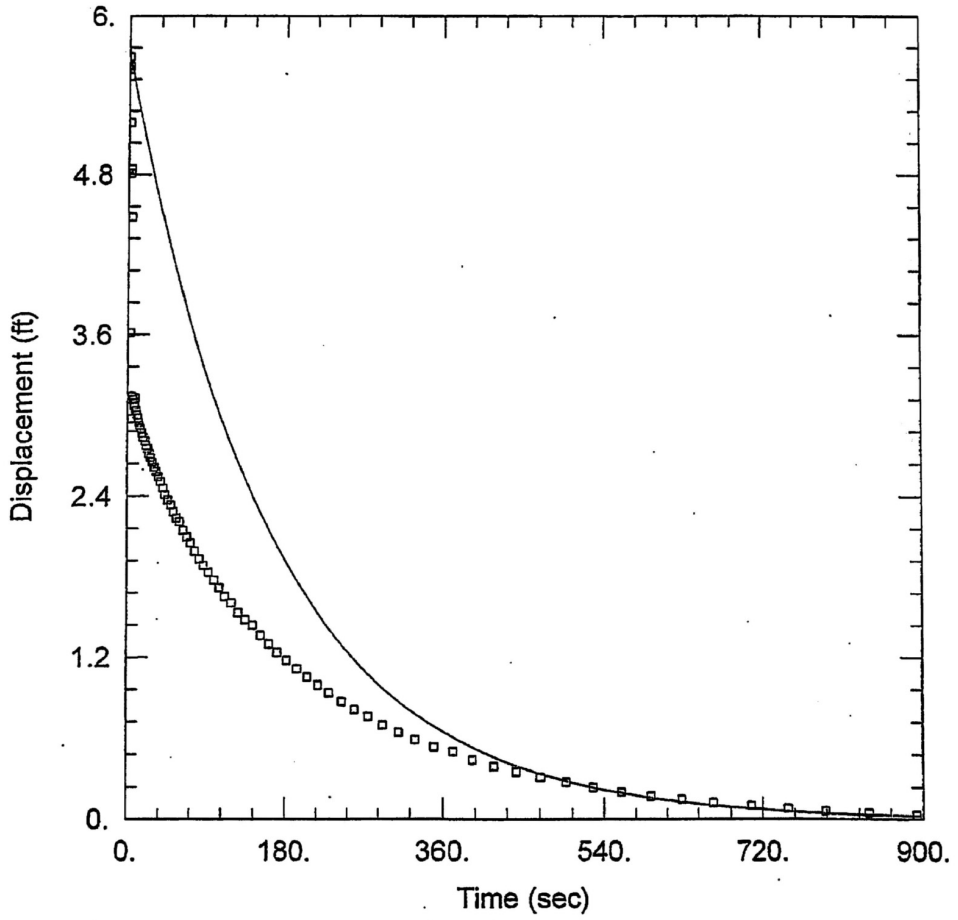
Saturated Thickness: 5. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW-2284U)

Initial Displacement: 5.69 ft
Total Well Penetration Depth: 75. ft
Casing Radius: 0.083 ft
Static Water Column Height: 40.35 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 0.8528 ft/day
y0 = 3.207 ft



OW-2284U FALLING HEAD

PROJECT INFORMATION

Company: MACTEC
Client: Bechtel Power Corp.
Project: 6468-07-1777.210
Location: Victoria, Texas
Test Well: OW-2284U
Test Date: 1-16-08

AQUIFER DATA

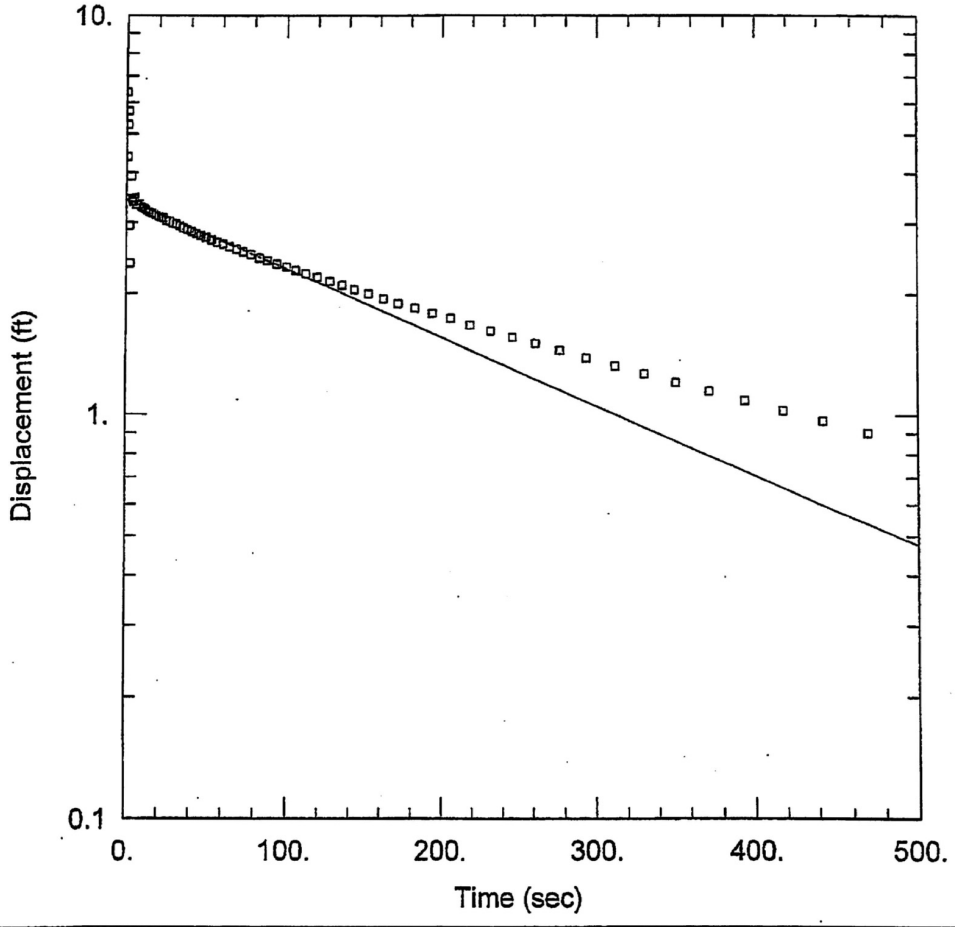
Saturated Thickness: 5. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW-2284U)

Initial Displacement: 5.69 ft
Total Well Penetration Depth: 75. ft
Casing Radius: 0.083 ft
Static Water Column Height: 40.35 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Butler
K = 0.9519 ft/day
Le = 1. ft



OW-2284U FALLING HEAD B

PROJECT INFORMATION

Company: MACTEC
Client: Bechtel Power Corp.
Project: 6468-07-1777.210
Location: Victoria, Texas
Test Well: OW-2284U
Test Date: 1-16-08

AQUIFER DATA

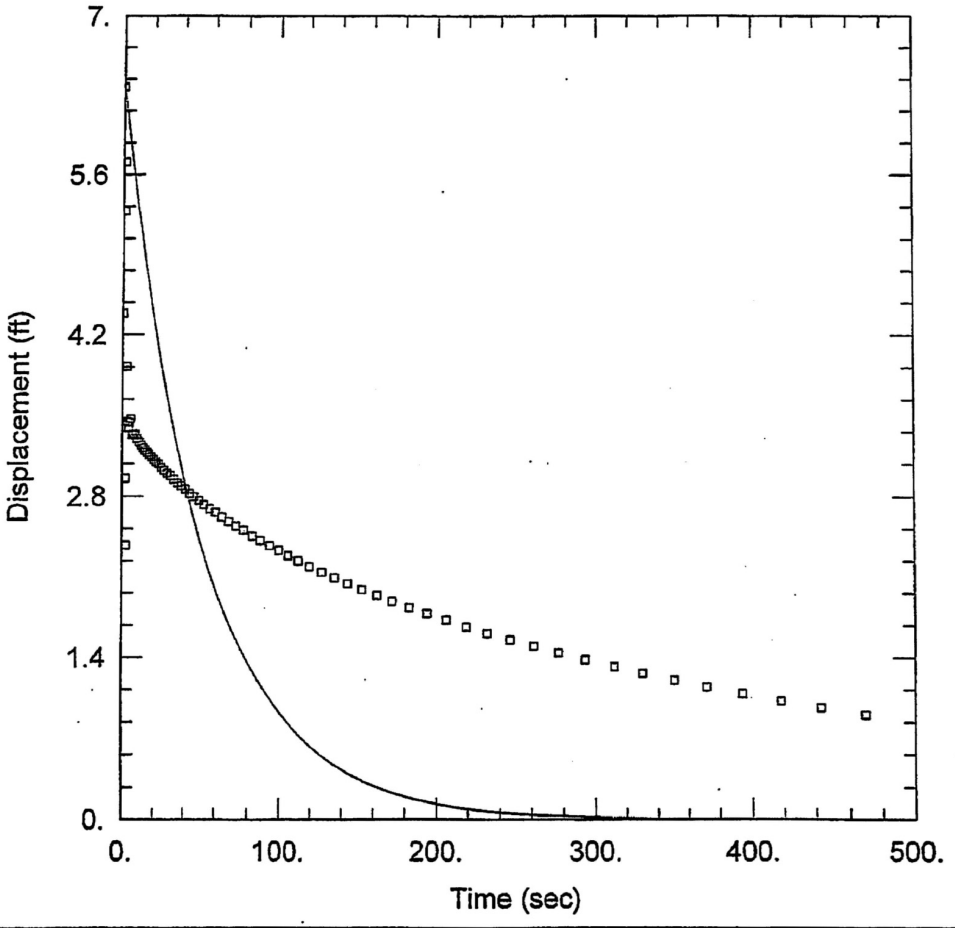
Saturated Thickness: 5. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW-2284U)

Initial Displacement: 6.368 ft
Total Well Penetration Depth: 75. ft
Casing Radius: 0.083 ft
Static Water Column Height: 40.35 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 0.5792 ft/day
y0 = 3.421 ft



OW-2284U FALLING HEAD B

PROJECT INFORMATION

Company: MACTEC
Client: Bechtel Power Corp.
Project: 6468-07-1777.210
Location: Victoria, Texas
Test Well: OW-2284U
Test Date: 1-16-08

AQUIFER DATA

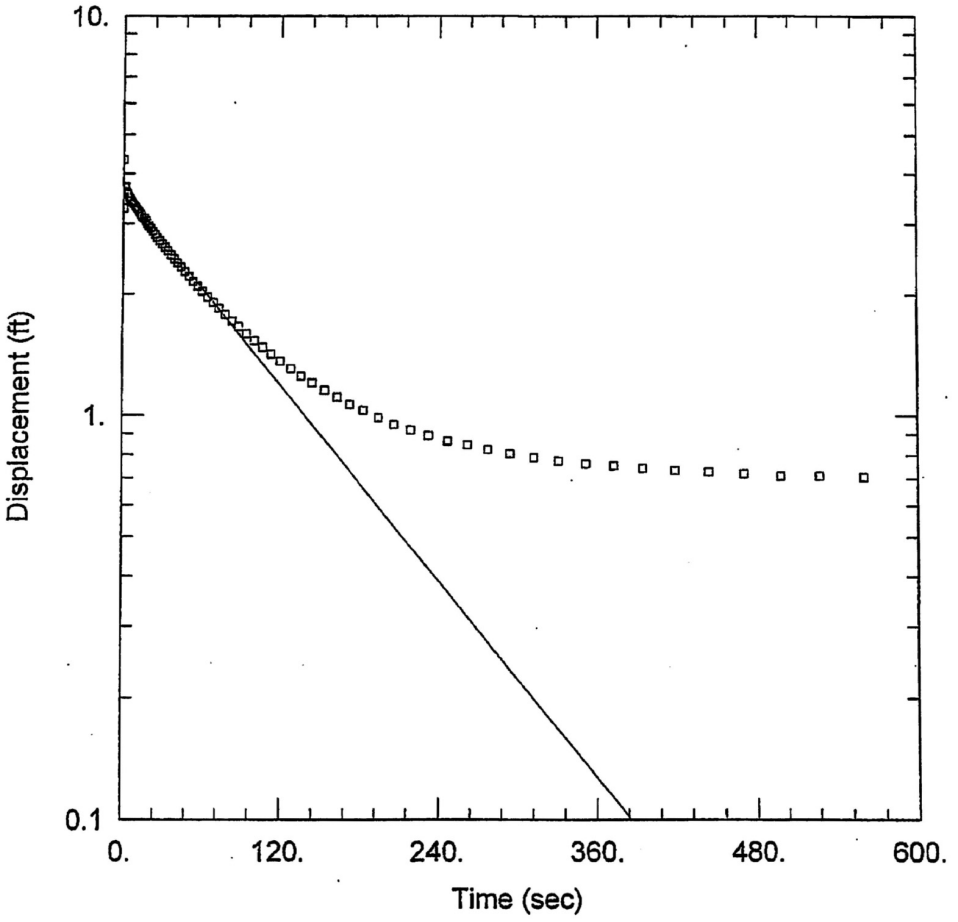
Saturated Thickness: 5. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW-2284U)

Initial Displacement: 6.368 ft
Total Well Penetration Depth: 75. ft
Casing Radius: 0.083 ft
Static Water Column Height: 40.35 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Butler
K = 3.035 ft/day
Le = 0.1 ft



OW-2284U RISING HEAD

PROJECT INFORMATION

Company: MACTEC
Client: Bechtel Power Corp.
Project: 6468-07-1777.210
Location: Victoria, Texas
Test Well: OW-2284U
Test Date: 1-16-08

AQUIFER DATA

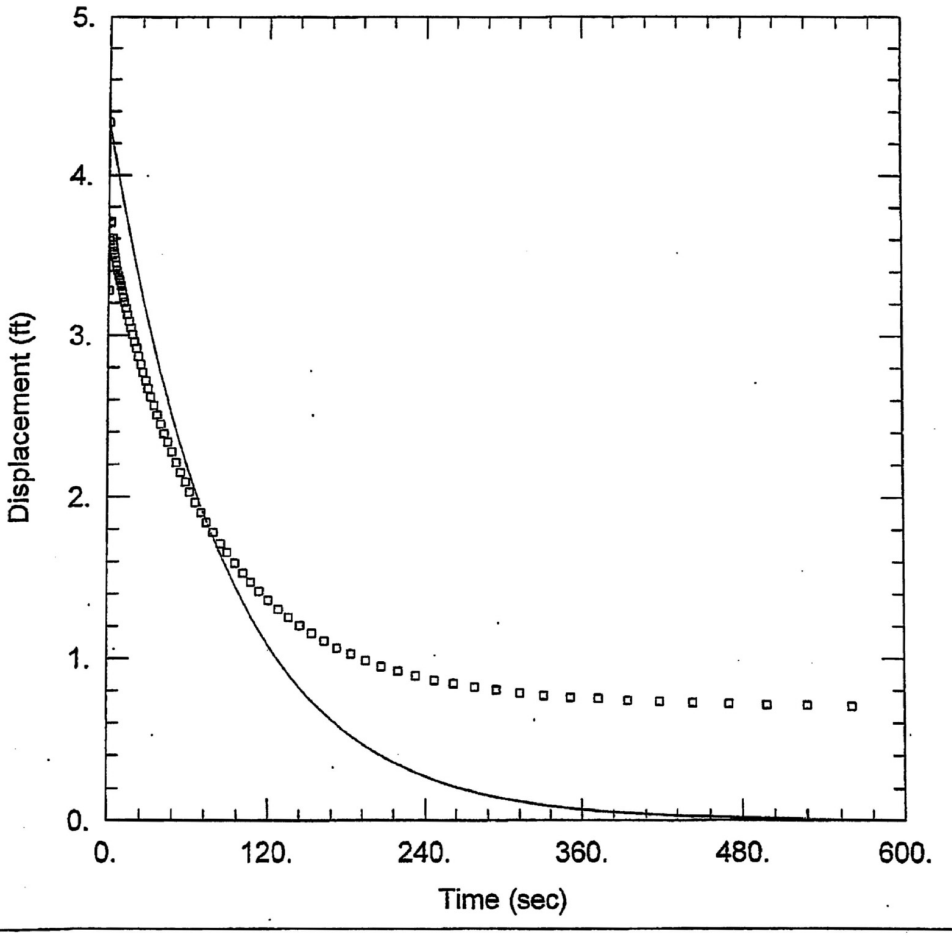
Saturated Thickness: 5. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW-2284U)

Initial Displacement: 4.332 ft
Total Well Penetration Depth: 75. ft
Casing Radius: 0.083 ft
Static Water Column Height: 40.35 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 1.368 ft/day
y0 = 3.646 ft



OW-2284U RISING HEAD

PROJECT INFORMATION

Company: MACTEC
Client: Bechtel Power Corp.
Project: 6468-07-1777.210
Location: Victoria, Texas
Test Well: OW-2284U
Test Date: 1-16-08

AQUIFER DATA

Saturated Thickness: 5. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW-2284U)

Initial Displacement: 4.332 ft
Total Well Penetration Depth: 75. ft
Casing Radius: 0.083 ft
Static Water Column Height: 40.35 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Butler
K = 1.822 ft/day
Le = 0.1 ft

Checked by: CHB Date: 3/14/08

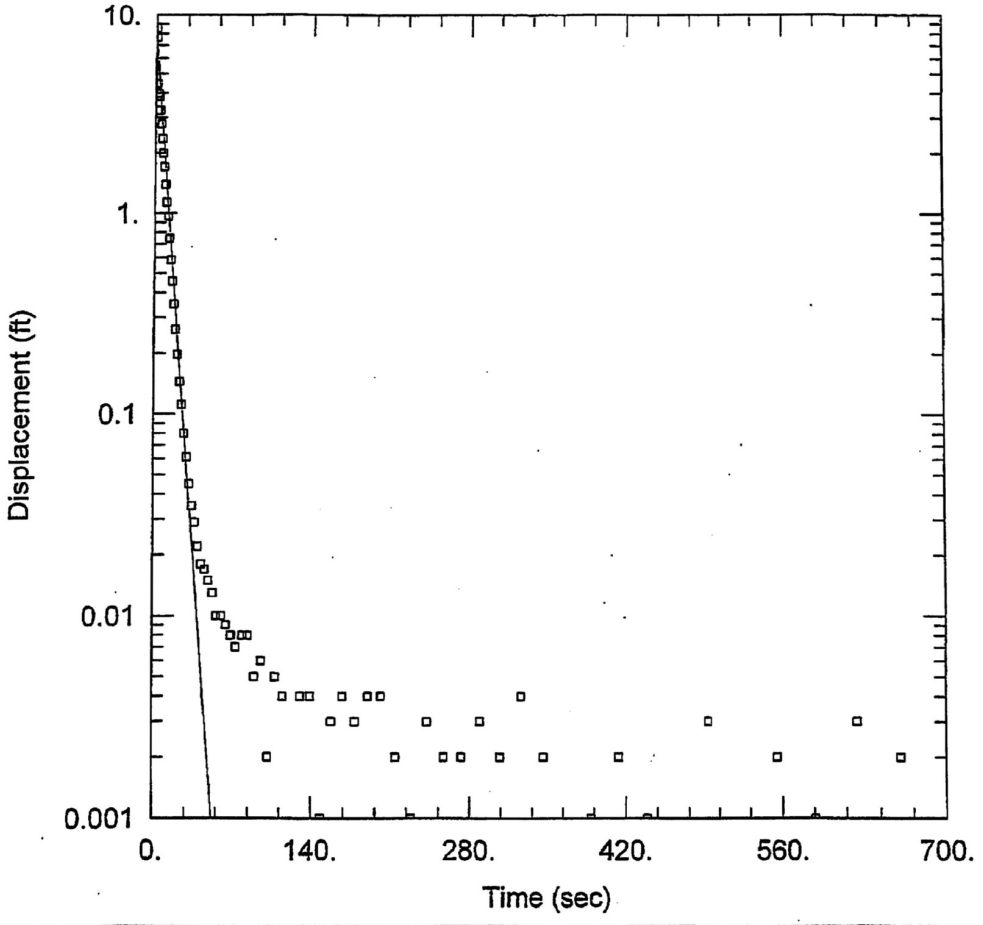
MACTEC

SLUG TEST REPORT

Project Name: Exelon COL	Project Number: 6469-07-1777	Page 1 of 1	GW-2284L
Client: Bechtel	Contractor: MACTEC	1/16/08	
Location: Victoria	MACTEC Rep: J. DIXSON B TAYLOR	Date: 1/16/08	

UNITS			
Length	Feet		
Time	Minutes		
Well Data			
Static Water Level	47.39 feet		
Total Well Depth	113.40 feet		
Static Water Column Height (H)	66.11 feet		
	Background	Falling Head	Rising Head
Observed Initial Displacement (H_0)	NA	~8 FEET	~7.5 FEET
Saturated Thickness (b)	feet		
Conductivity Anisotropy (Kv/Kh)	Assume 1 to 1		
Depth to Top of Well Screen (d)	100 feet		
Length of Well Screen (L)	10 feet		
Radius of Well Casing (rc)	0.083 feet		
Radius of Screen (rw)	0.083 feet		
Radius of Probe (req)			
Radius of Boring (rsk) Skin Effect	0.083 feet		
Probe Serial Number	103078		
Slug Data	DOUBLE SLUG		
Length	5.5' + 5.5'		
weight	17.50 lbs		
Diameter	1.625"		
Slug Test File	Background	Falling	Rising
File Name	OW-2284 L	OW-2284L FALLING HEAD	OW-2284 U RISING HEAD
Start Time	1/15 - 3:05:44	10:06:30	10:21:05
End Time	1/16 - 10:04:44	10:17:42	10:32:59
Notes			

Rev 0



OW-2284L FALLING HEAD

PROJECT INFORMATION

Company: MACTEC
Client: Bechtel Power Corp.
Project: 6468-07-1777.210
Location: Victoria, Texas
Test Well: OW-2284L
Test Date: 1-16-08

AQUIFER DATA

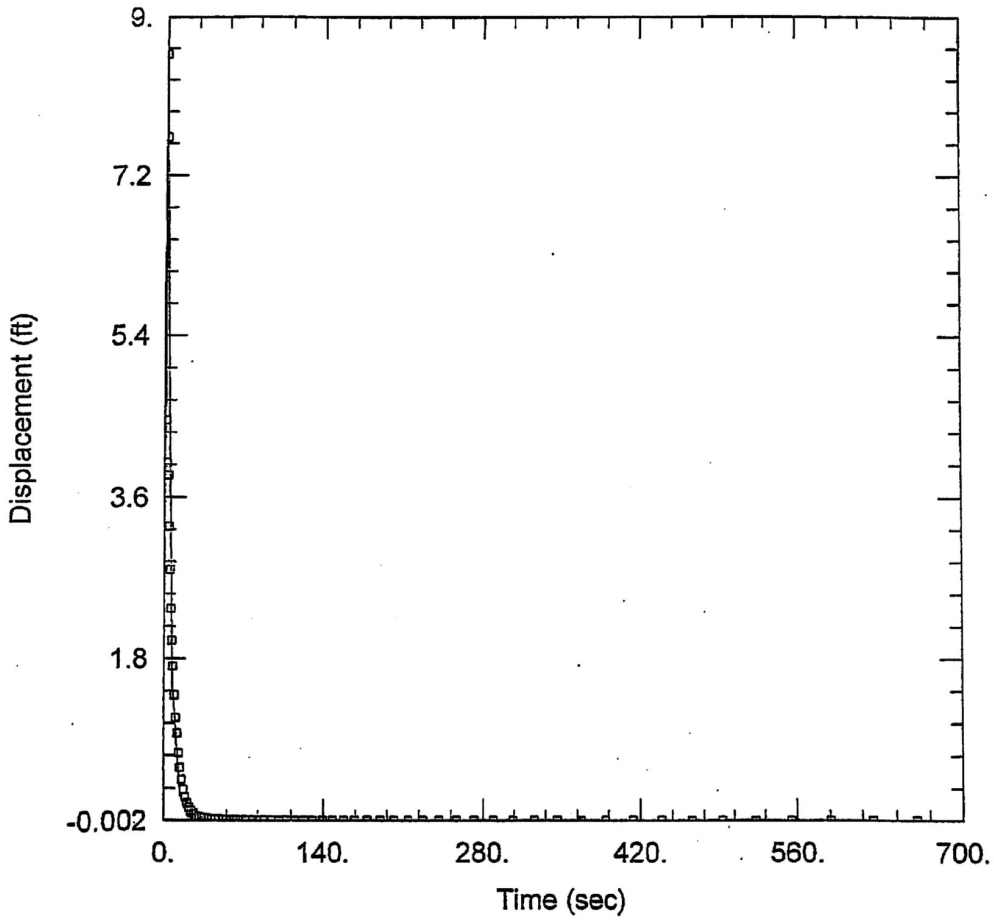
Saturated Thickness: 10. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW-2284L)

Initial Displacement: 8.572 ft
Total Well Penetration Depth: 110. ft
Casing Radius: 0.083 ft
Static Water Column Height: 66.11 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 26.23 ft/day
y0 = 7.555 ft



OW-2284L FALLING HEAD

PROJECT INFORMATION

Company: MACTEC
Client: Bechtel Power Corp.
Project: 6468-07-1777.210
Location: Victoria, Texas
Test Well: OW-2284L
Test Date: 1-16-08

AQUIFER DATA

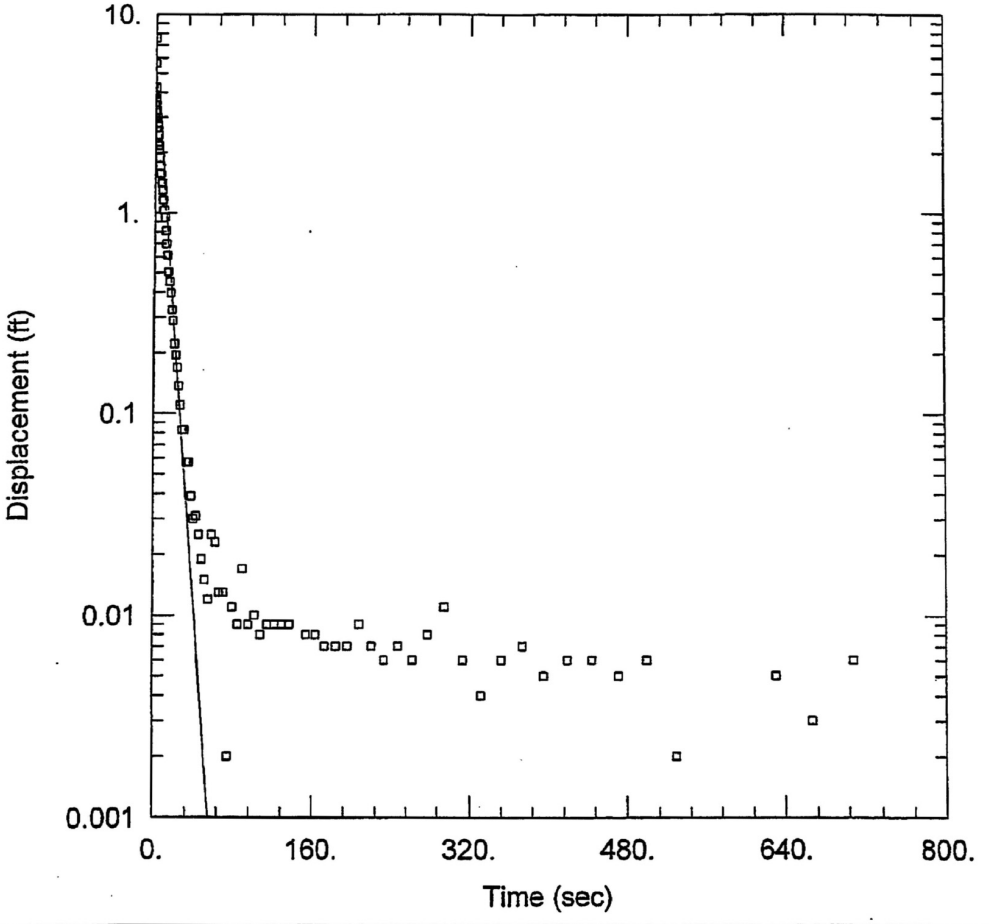
Saturated Thickness: 10. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW-2284L)

Initial Displacement: 8.572 ft
Total Well Penetration Depth: 110. ft
Casing Radius: 0.083 ft
Static Water Column Height: 66.11 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Butler
K = 38.88 ft/day
Le = 0.1 ft



OW-2284L RISING HEAD

PROJECT INFORMATION

Company: MACTEC
Client: Bechtel Power Corp.
Project: 6468-07-1777.210
Location: Victoria, Texas
Test Well: OW-2284L
Test Date: 1-16-08

AQUIFER DATA

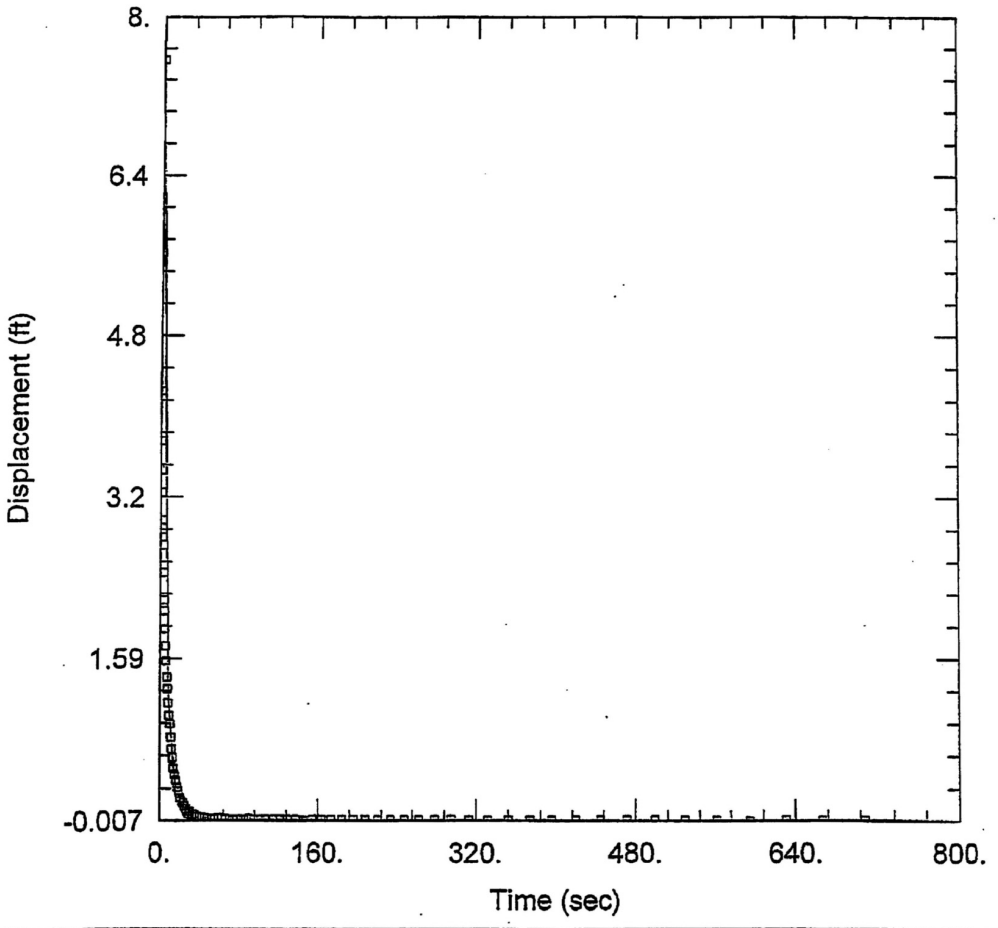
Saturated Thickness: 10. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW-2284L)

Initial Displacement: 7.564 ft
Total Well Penetration Depth: 110. ft
Casing Radius: 0.083 ft
Static Water Column Height: 66.11 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 23.94 ft/day
y0 = 5.658 ft



OW-2284L RISING HEAD

PROJECT INFORMATION

Company: MACTEC
Client: Bechtel Power Corp.
Project: 6468-07-1777.210
Location: Victoria, Texas
Test Well: OW-2284L
Test Date: 1-16-08

AQUIFER DATA

Saturated Thickness: 10. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW-2284L)

Initial Displacement: 7.564 ft
Total Well Penetration Depth: 110. ft
Casing Radius: 0.083 ft
Static Water Column Height: 66.11 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Butler
K = 35.84 ft/day
Le = 0.1 ft