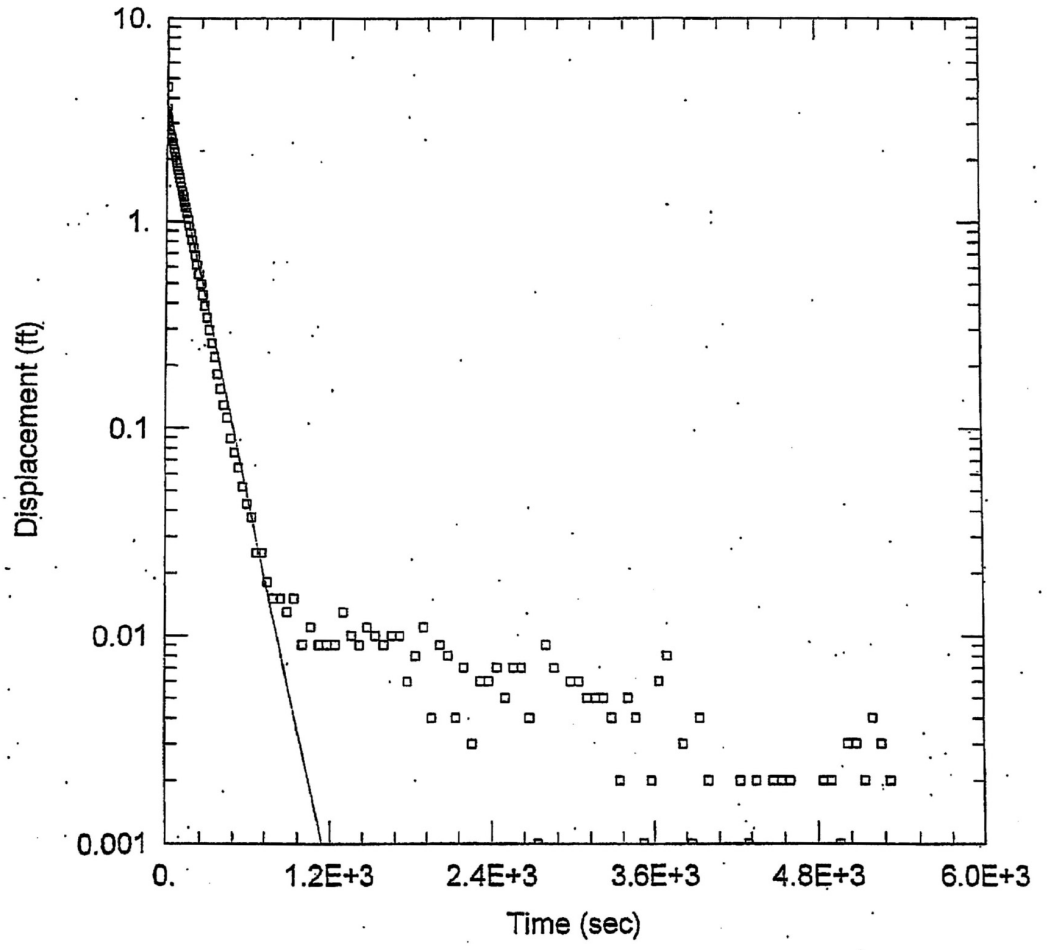
Prepared by: BHB Date: 3/13/08
Checked by: BWJ Date: 3/14/08



OW-2169 L FALLING HEAD HEAD TEST

PROJECT INFORMATION

Company: EXELON
Client: BECHTEL
Project: 6468-07-1777
Location: VICTORIA SITE
Test Well: OW-2169 L
Test Date: 1/17/07

AQUIFER DATA

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

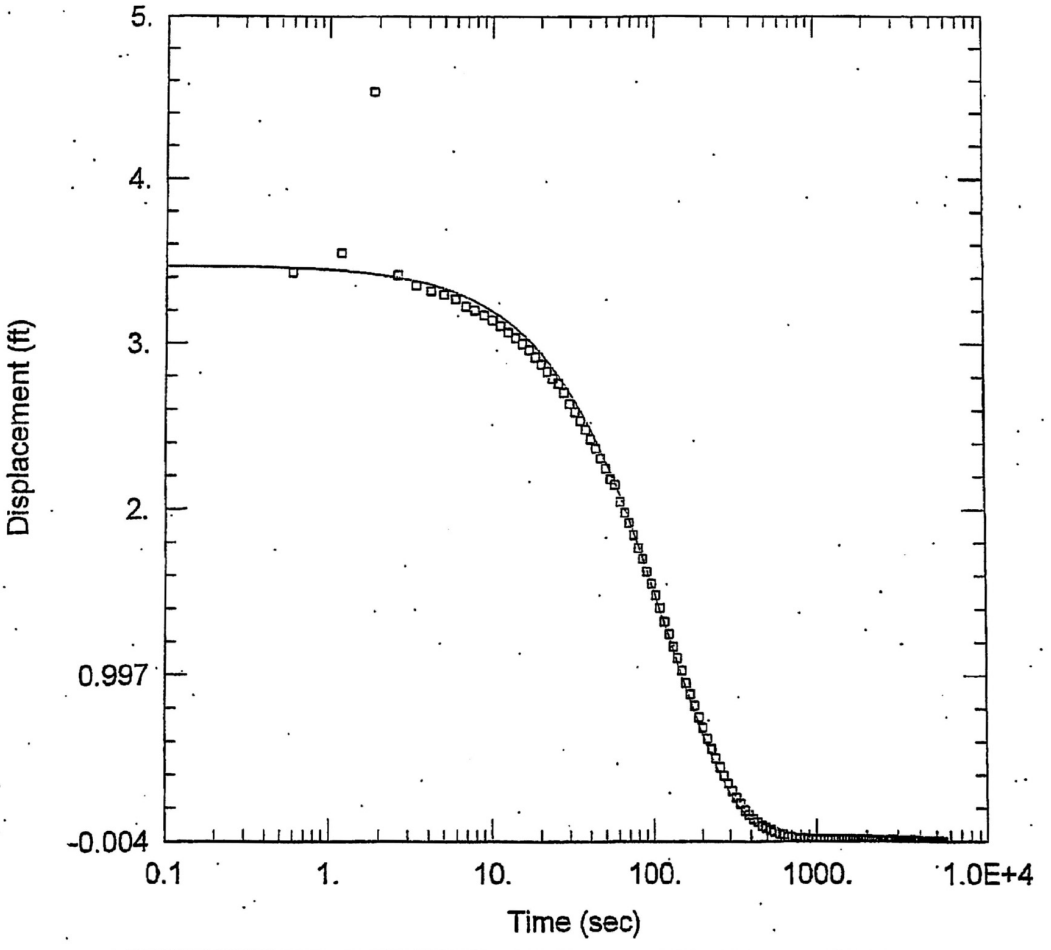
WELL DATA (OW-2169 L)

Initial Displacement: 3.465 ft
Total Well Penetration Depth: 100. ft
Casing Radius: 0.083 ft
Static Water Column Height: 58.7 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 1.068 ft/day
y0 = 3.008 ft

Prepared by: CHB Date: 3/13/06
Checked by: BLL Date: 3/14/06



OW-2169 L FALLING HEAD HEAD TEST

PROJECT INFORMATION

Company: EXELON
Client: BECHTEL
Project: 6468-07-1777
Location: VICTORIA SITE
Test Well: OW-2169 L
Test Date: 1/17/07

AQUIFER DATA

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

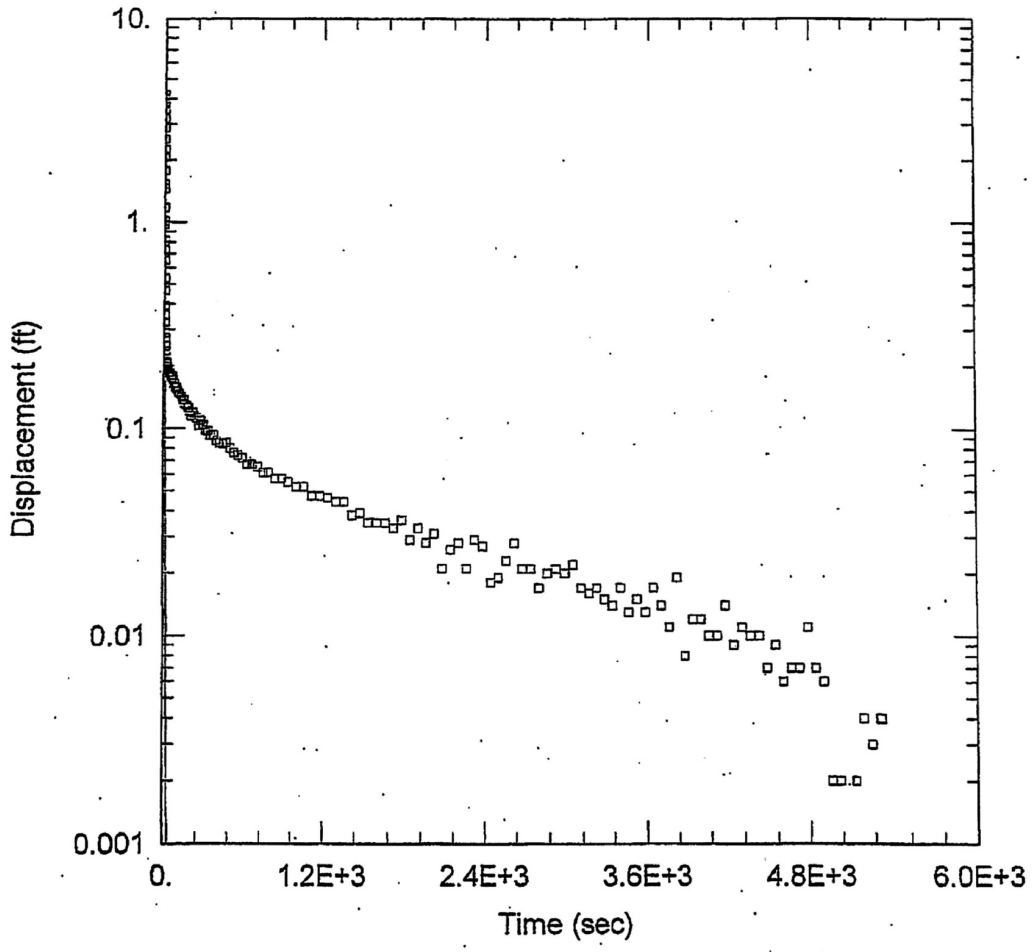
WELL DATA (OW-2169 L)

Initial Displacement: 3.465 ft
Total Well Penetration Depth: 100. ft
Casing Radius: 0.083 ft
Static Water Column Height: 58.7 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Butler
K = 1.325 ft/day
Le = 1000. ft

Prepared by: CHB Date: 3/13/08
Checked by: BWS Date: 3/14/08



OW-2169 L RISING HEAD HEAD TEST

PROJECT INFORMATION

Company: EXELON
Client: BECHTEL
Project: 6468-07-1777
Location: VICTORIA SITE
Test Well: OW-2169 L
Test Date: 1/17/07

AQUIFER DATA

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

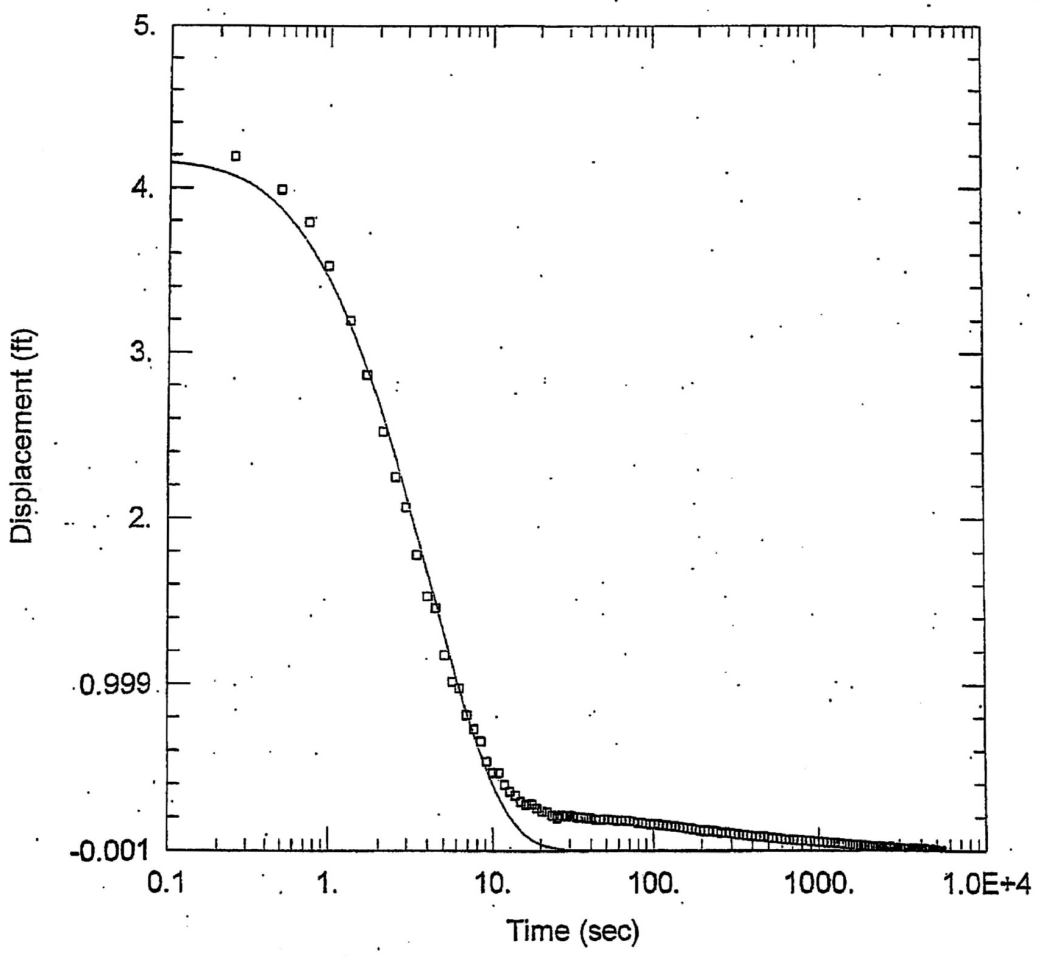
WELL DATA (OW-2169 L)

Initial Displacement: 4.174 ft
Total Well Penetration Depth: 100. ft
Casing Radius: 0.083 ft
Static Water Column Height: 58.7 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 36.16 ft/day
y0 = 4.345 ft

Prepared by: CHB Date: 3/13/9
Checked by: BWL Date: 3/14/08



OW-2169 L RISING HEAD HEAD TEST

PROJECT INFORMATION

Company: EXELON
Client: BECHTEL
Project: 6468-07-1777
Location: VICTORIA SITE
Test Well: OW-2169 L
Test Date: 1/17/07

AQUIFER DATA

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

WELL DATA (OW-2169 L)

Initial Displacement: 4.174 ft
Total Well Penetration Depth: 100. ft
Casing Radius: 0.083 ft
Static Water Column Height: 58.7 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Butler
K = 36.52 ft/day
Le = 27.29 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-2181U
Client: Bechtel	Contractor: MACTEC CHB 3/13/08		
Location: Victoria	MACTEC Rep: ~~J.M. Brown~~ CHB T. MOORE 3/13/08	Date: ~~1-31-08~~ 2-5-08 CHB 3/13/08	

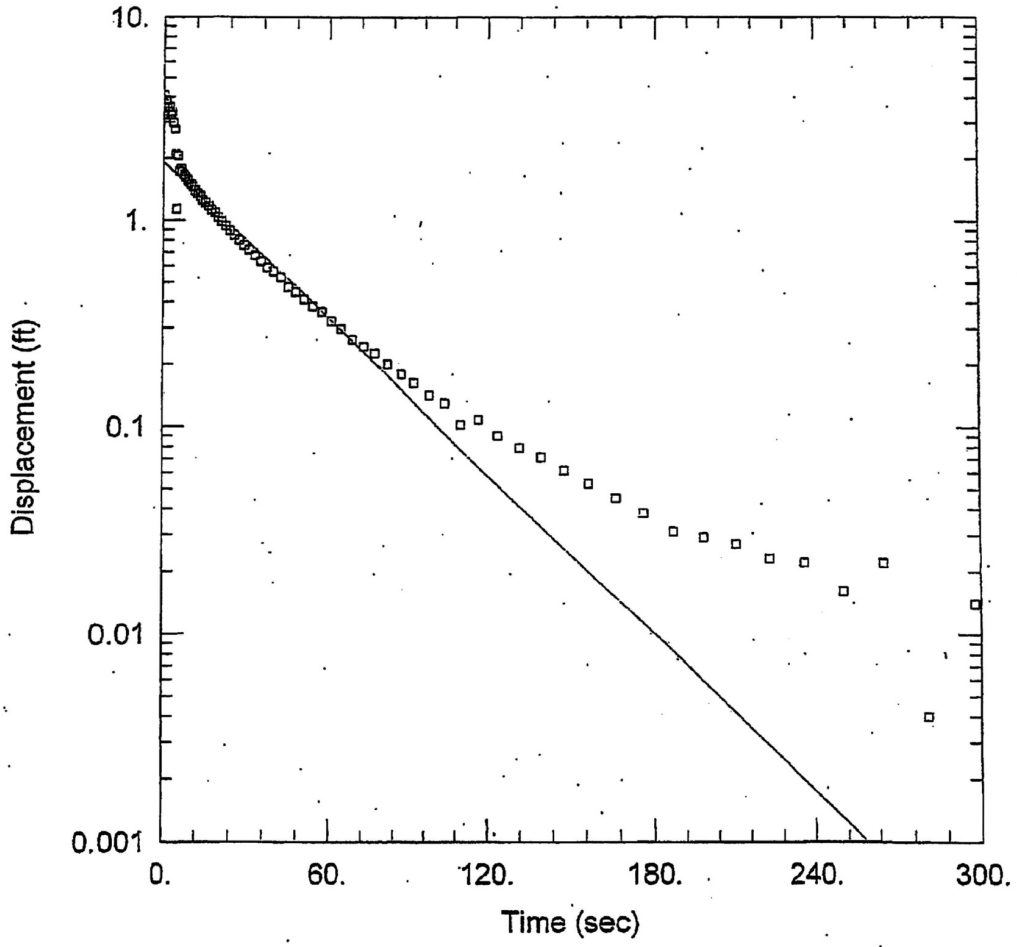
UNITS			
Length	Feet		
Time	Minutes		
Well Data			
Static Water Level	38.00 CHB 3/13/08 ~~38.24~~ feet		
Total Well Depth	53.02 feet		
Static Water Column Height (H)	15.02 feet		
	Background	Falling Head	Rising Head
Observed Initial Displacement (H_0)	NA	~4'	~4' or ~6'
Saturated Thickness (b)	feet		
Conductivity Anisotropy (Kv/Kh)	Assume 1 to 1		
Depth to Top of Well Screen (d)	40 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	~~103678~~ 106721 CHB 3/13/08		
Slug Data	Slug #1		
Length	5.5 feet		
weight			
Diameter	1.625 inches		
Slug Test File	Background	Falling	Rising
File Name	OW-2181U BACKGROUND	OW-2181U FALLING HEAD	OW-2181U RISING HEAD
Start Time	11:35:47	11:55:29	12:05:28
End Time	11:50:47	12:00:30	12:10:12

Notes

Hard Bottom
Rising Head test might have two erroneous displacement numbers @ 6' at start, most likely need to delete them, but curve looks good.

Rev 0

Prepared by: OHB Date: 3/14/08
Checked by: BLL Date: 3/14/08



OW-2181 U FALLING HEAD HEAD TEST

PROJECT INFORMATION

Company: EXELON
Client: BECHTEL
Project: 6468-07-1777
Location: VICTORIA SITE
Test Well: OW-2181 U
Test Date: 2/5/07

AQUIFER DATA

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

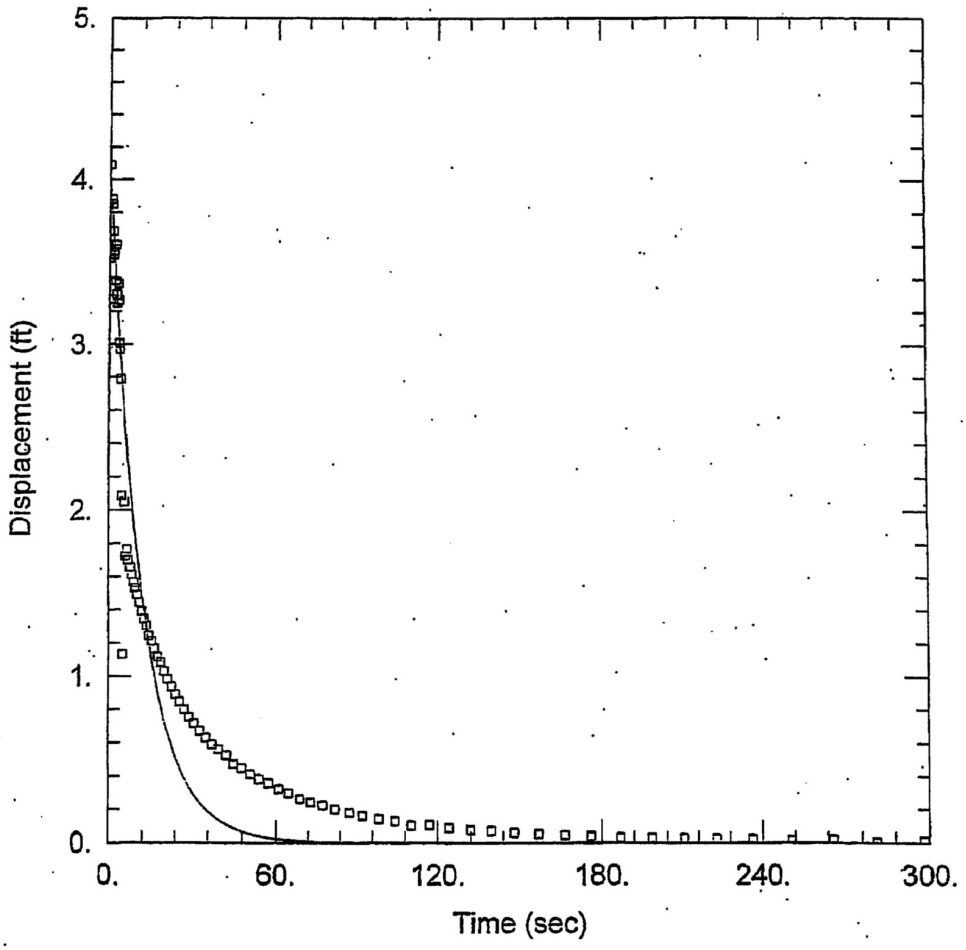
WELL DATA (OW-2181 U)

Initial Displacement: 4.089 ft
Total Well Penetration Depth: 50. ft
Casing Radius: 0.083 ft
Static Water Column Height: 15.02 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 4.077 ft/day
y0 = 1.925 ft

Prepared by: CHB Date: 3/14/08
Checked by: BLL Date: 3/14/08



OW-2181 U FALLING HEAD HEAD TEST

PROJECT INFORMATION

Company: EXELON
Client: BECHTEL
Project: 6468-07-1777
Location: VICTORIA SITE
Test Well: OW-2181 U
Test Date: 2/5/07

AQUIFER DATA

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

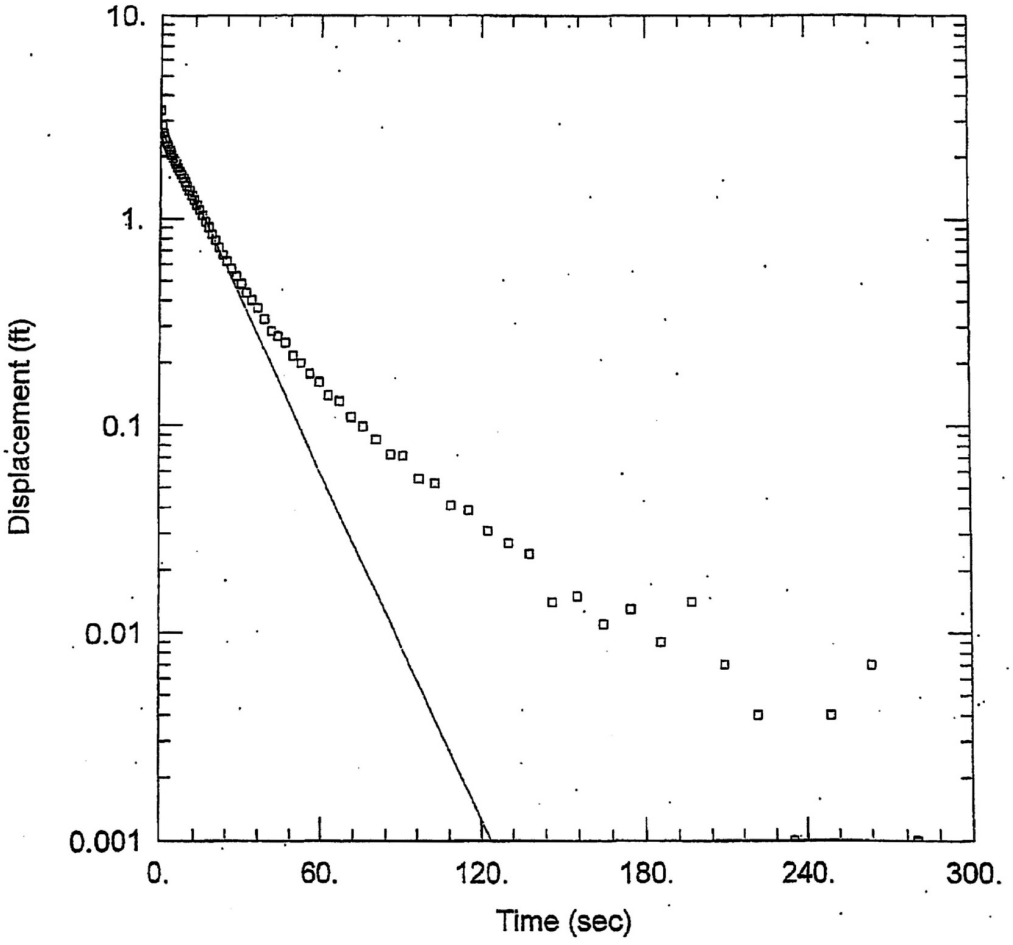
WELL DATA (OW-2181 U)

Initial Displacement: 4.089 ft
Total Well Penetration Depth: 50. ft
Casing Radius: 0.083 ft
Static Water Column Height: 15.02 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Butler
K = 13.53 ft/day
Le = 0.1 ft

Prepared by: CHB Date: 3/14/08
Checked by: BWJ Date: 3/14/08



OW-2181 U RISING HEAD HEAD TEST

PROJECT INFORMATION

Company: EXELON
Client: BECHTEL
Project: 6468-07-1777
Location: VICTORIA SITE
Test Well: OW-2181 U
Test Date: 2/5/07

AQUIFER DATA

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

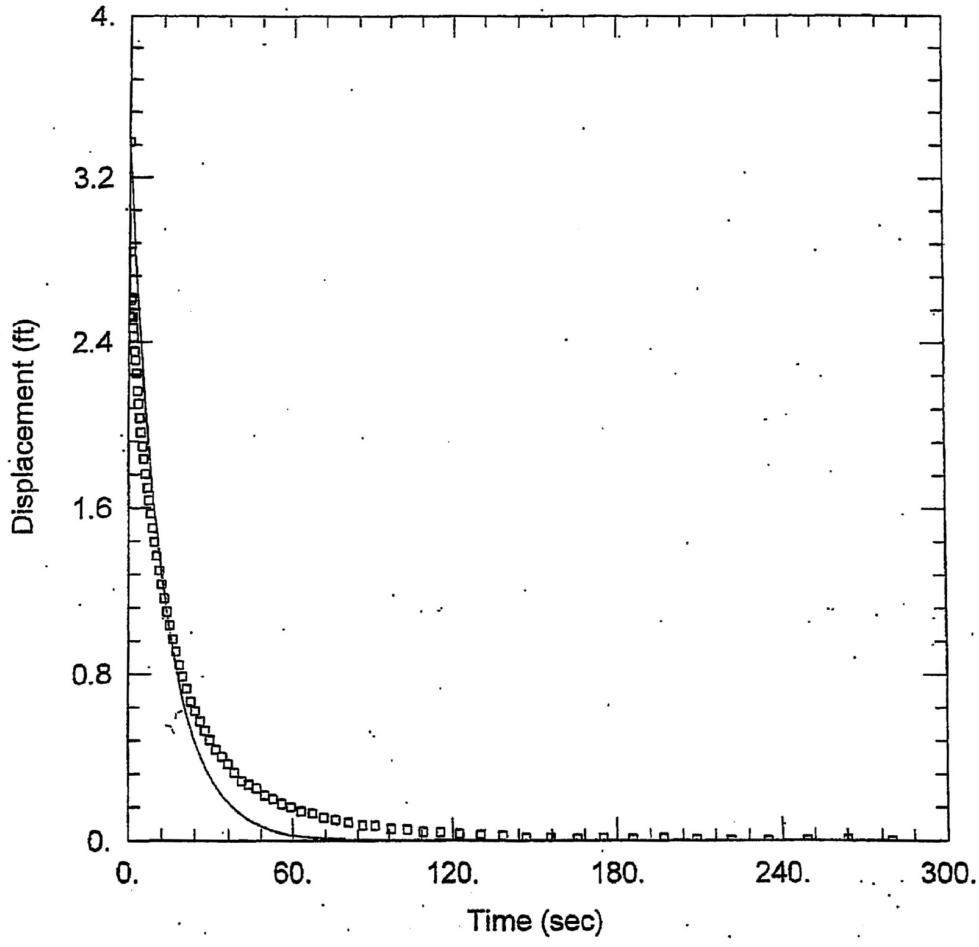
WELL DATA (OW-2181 U)

Initial Displacement: 3.373 ft
Total Well Penetration Depth: 50. ft
Casing Radius: 0.083 ft
Static Water Column Height: 15.02 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 8.95 ft/day
y0 = 2.73 ft

Prepared by: CHB Date: 3/14/08
Checked by: BWL Date: 3/14/08



OW-2181 U RISING HEAD HEAD TEST

PROJECT INFORMATION

Company: EXELON
Client: BECHTEL
Project: 6468-07-1777
Location: VICTORIA SITE
Test Well: OW-2181 U
Test Date: 2/5/07

AQUIFER DATA

Saturated Thickness: 10. ft

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW-2181 U)

Initial Displacement: 3.373 ft
Total Well Penetration Depth: 50. ft
Casing Radius: 0.083 ft

Static Water Column Height: 15.02 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined

Solution Method: Butler

K = 12.82 ft/day

Le = 0.1 ft

MACTEC

Checked by: CHB Date: 3/14/08

SLUG TEST REPORT

Project Name: Exelon COL	Project Number: 6469-07-1777	Page 1 of 1	OW-2181 L
Client: **Bechtel**	Contractor: **MACTEC**		
Location: Victoria	MACTEC Rep: L.M. BISSON B. TAYLOR	Date: 1/17/08	

UNITS	
Length	Feet
Time	Minutes
Well Data	
Static Water Level	45.37 feet
Total Well Depth	99.20 feet
Static Water Column Height (H)	53.83 feet

	Background	Falling Head	Rising Head
Observed Initial Displacement (H_0)	NA	~ 4.70'	~ 4.6

Saturated Thickness (b)	feet
Conductivity Anisotropy (Kv/Kh)	Assume 1 to 1
Depth to Top of Well Screen (d)	90 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	SINGLE SLUG #2
Length	5' FEET
weight	
Diameter	1.625 INCHES

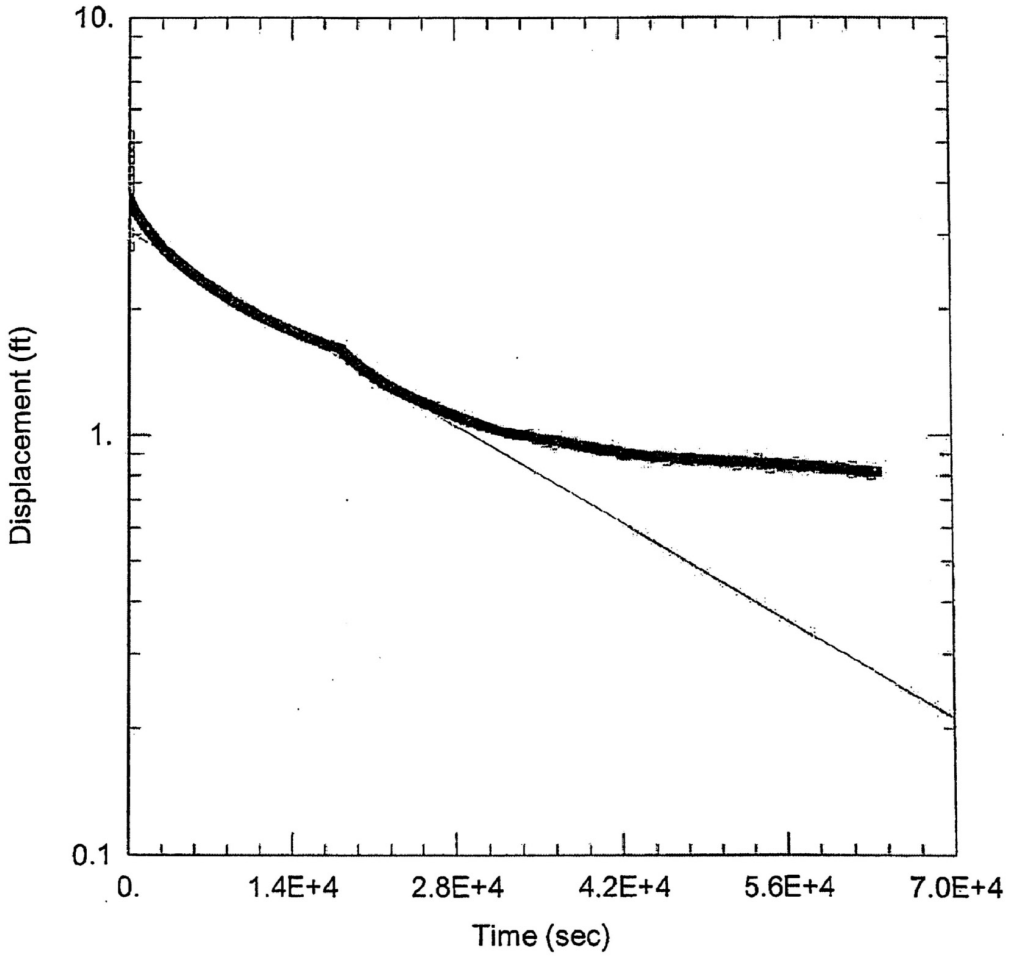
Slug Test File	Background	Falling	Rising
File Name	OW-2181 L BACKGROUND	OW-2181 L FALLING HEAD	OW-2181 L RISING HEAD
Start Time	12:28:24 PM	5:21:20 PM 1/17	11:07:17 AM
End Time	5:17:27 PM	11:05:08 AM 1/18	8:38:05 AM 11/19

Notes

Rev 0

Prepared by: WSL Date: 3-17-08

Checked by: WBO Date: 3-17-08



OW-2181 L FALLING HEAD HEAD TEST (LATE TIME)

PROJECT INFORMATION

Company: EXELON
Client: BECHTEL
Project: 6468-07-1777
Location: VICTORIA SITE
Test Well: OW-2181 L
Test Date: 1/17/08

AQUIFER DATA

Saturated Thickness: 5.2 ft

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW-2181 L)

Initial Displacement: 5.2 ft
Total Well Penetration Depth: 100. ft
Casing Radius: 0.083 ft

Static Water Column Height: 53.83 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

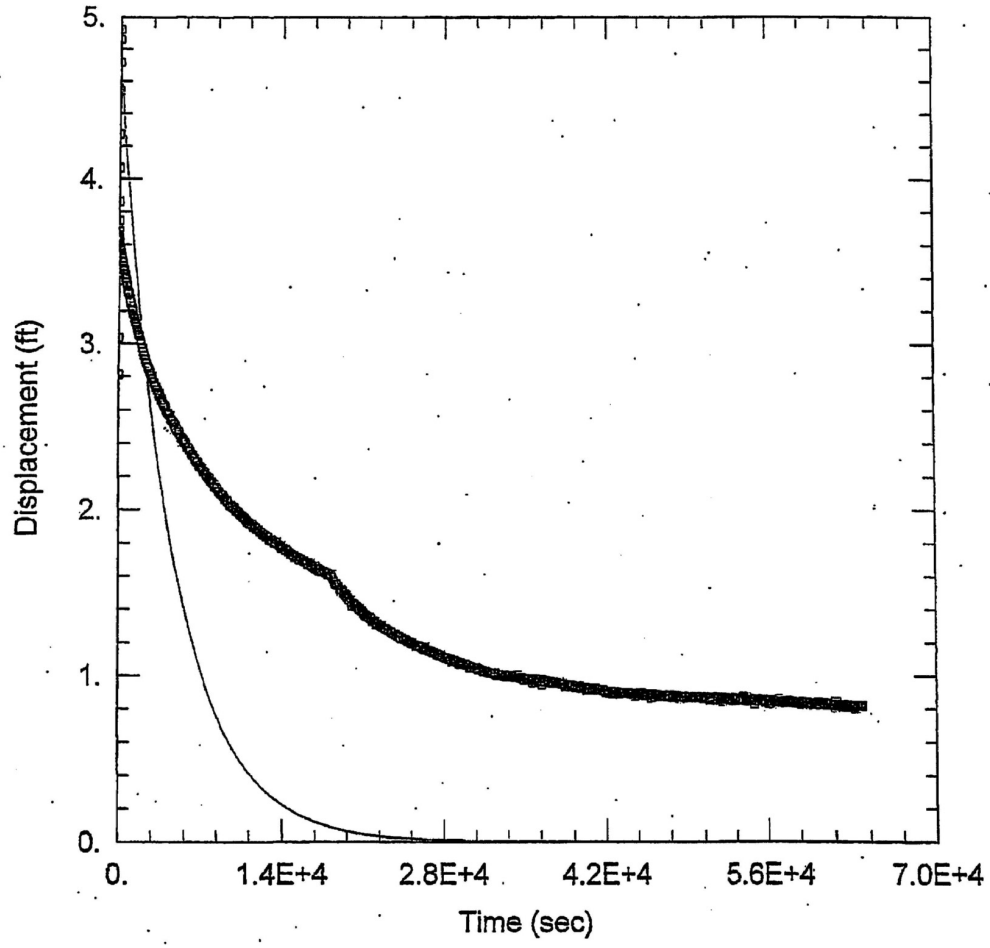
Aquifer Model: Confined

Solution Method: Bouwer-Rice

K_v = 0.005787 ft/day

y0 = 3.055 ft

Prepared by: CHB Date: 3/14/08
Checked by: BWL Date: 3/14/08



OW-2181 L FALLING HEAD HEAD TEST

PROJECT INFORMATION

Company: EXELON
Client: BECHTEL
Project: 6468-07-1777
Location: VICTORIA SITE
Test Well: OW-2181 L
Test Date: 1/17/08

AQUIFER DATA

Saturated Thickness: 5.2 ft
Anisotropy Ratio (Kz/Kr): 1.

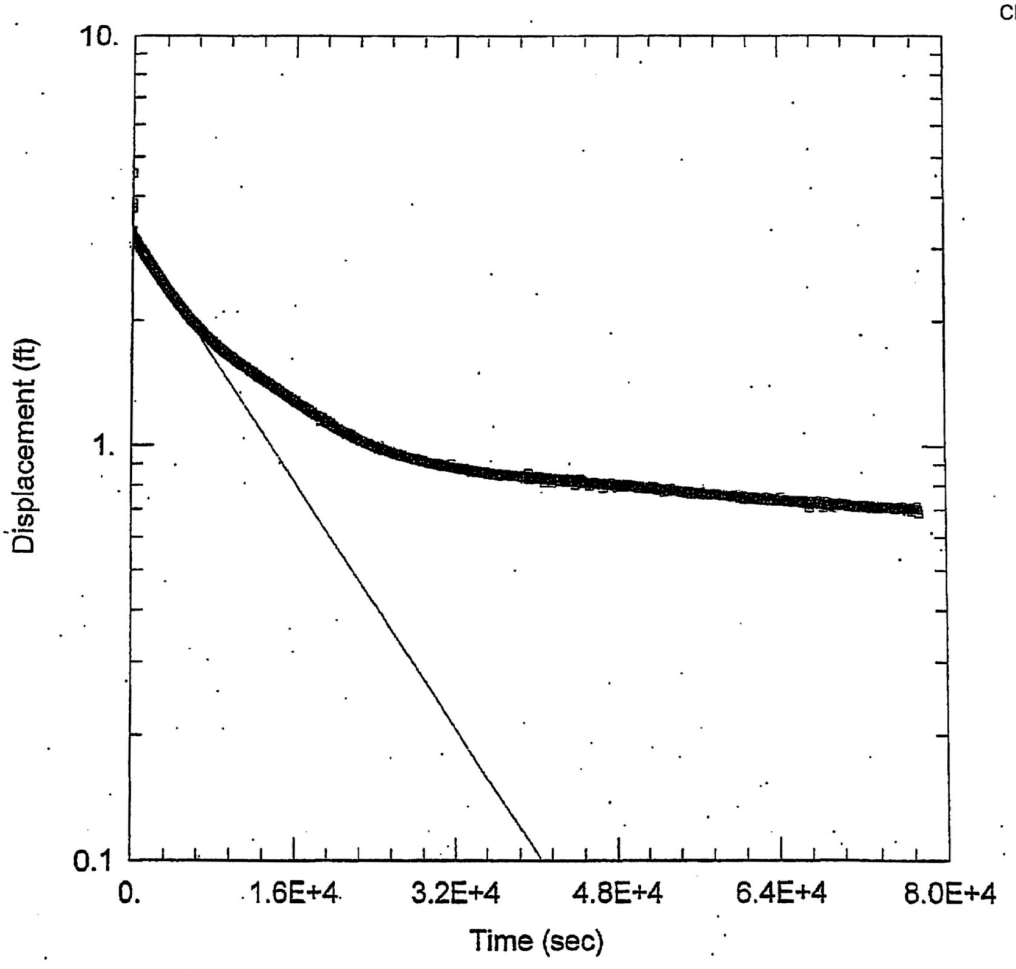
WELL DATA (OW-2181 L)

Initial Displacement: 4.715 ft
Total Well Penetration Depth: 100. ft
Casing Radius: 0.083 ft
Static Water Column Height: 53.83 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Butler
K = 0.03435 ft/day
Le = 0.1134 ft

Prepared by: CHB Date: 3/14/08
Checked by: BLW Date: 3/14/08



OW-2181 L RISING HEAD HEAD TEST

PROJECT INFORMATION

Company: EXELON
Client: BECHTEL
Project: 6468-07-1777
Location: VICTORIA SITE
Test Well: OW-2181 L
Test Date: 1/17/08

AQUIFER DATA

Saturated Thickness: 5.2 ft
Anisotropy Ratio (Kz/Kr): 1.

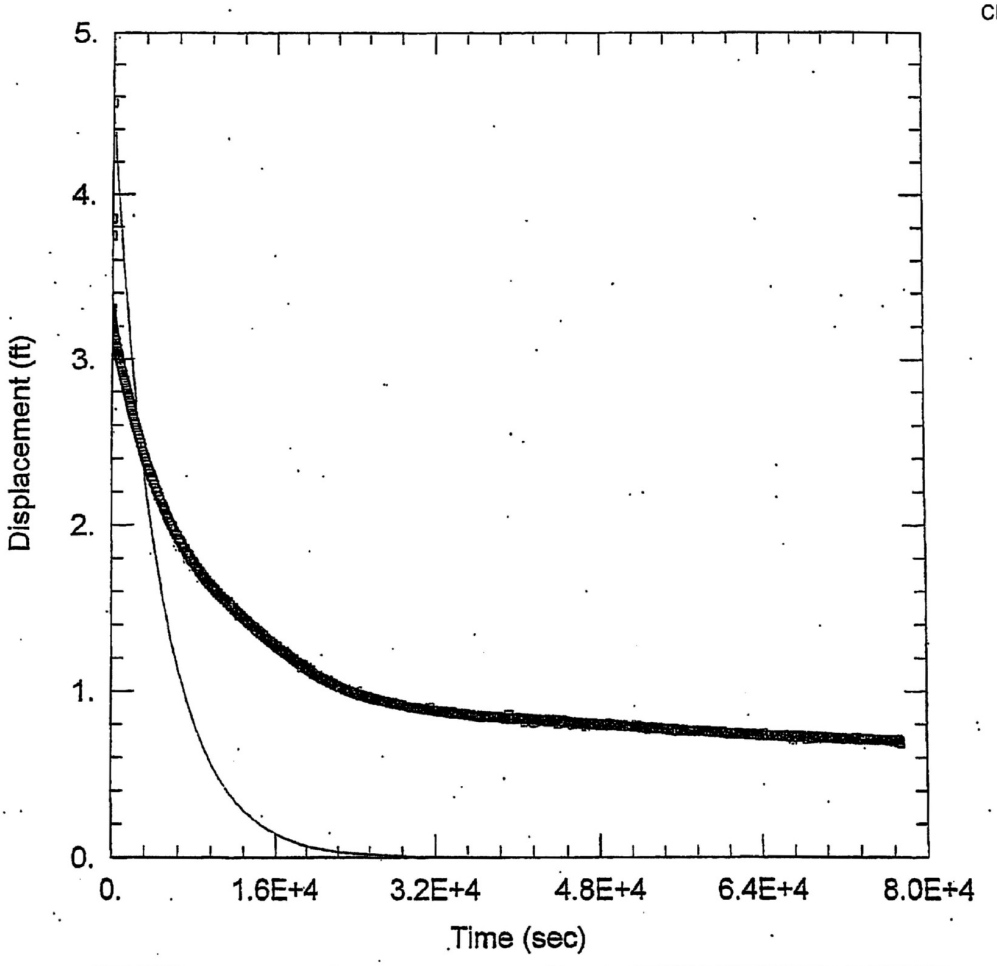
WELL DATA (OW-2181 L)

Initial Displacement: 4.562 ft
Total Well Penetration Depth: 100. ft
Casing Radius: 0.083 ft
Static Water Column Height: 53.83 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 0.01298 ft/day
y0 = 3.206 ft

Prepared by: CHB Date: 3/4/08
Checked by: BLL Date: 3/4/08



OW-2181 L RISING HEAD HEAD TEST

PROJECT INFORMATION

Company: EXELON
Client: BECHTEL
Project: 6468-07-1777
Location: VICTORIA SITE
Test Well: OW-2181 L
Test Date: 1/17/08

AQUIFER DATA

Saturated Thickness: 5.2 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW-2181 L)

Initial Displacement: 4.562 ft
Total Well Penetration Depth: 100. ft
Casing Radius: 0.083 ft
Static Water Column Height: 53.83 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Butler
K = 0.03435 ft/day
Le = 0.1004 ft

Checked by: CHB Date: 3/14/08

MACTEC

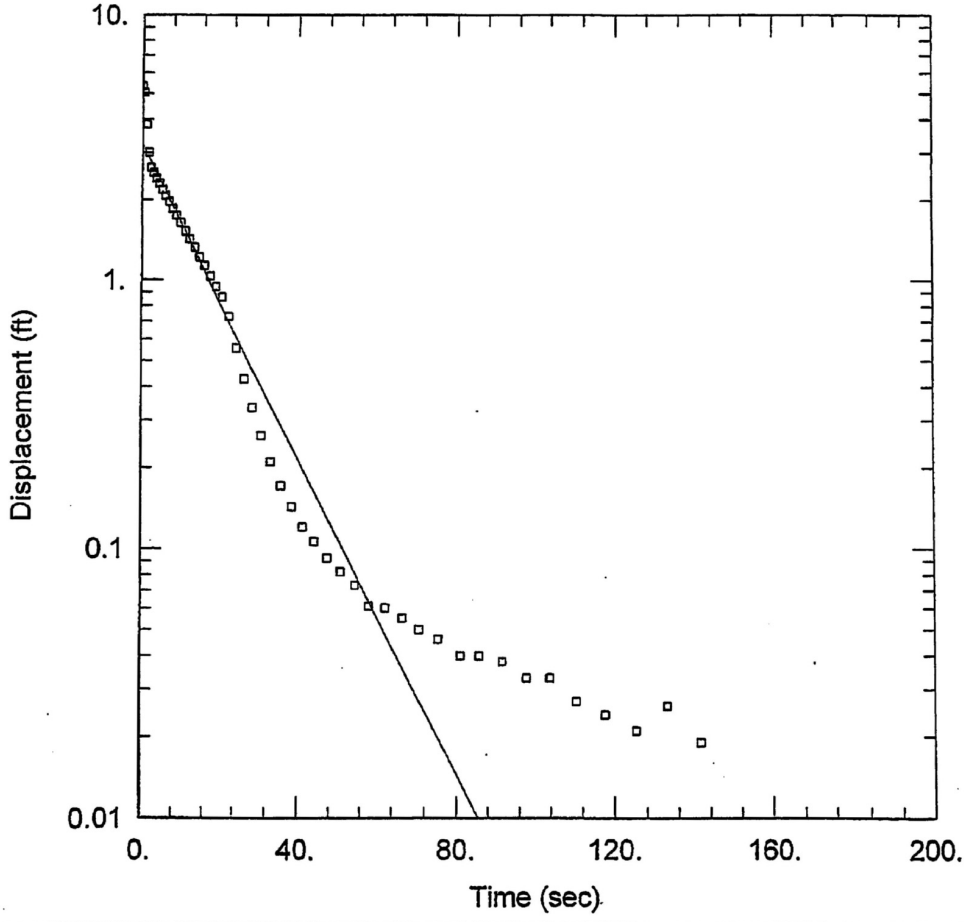
SLUG TEST REPORT

Project Name: Exelon COL	Project Number: 6469-07-1777	Page 1 of 1	OW-2185 U
Client: Bechtel	Contractor: MACTEC		
Location: Victoria	MACTEC Rep: A.M. BISSON B. TAYLOR	Date: 1/17/08	

UNITS			
Length	Feet		
Time	Minutes		
Well Data			
Static Water Level	41.70 feet		
Total Well Depth	78.24 feet		
Static Water Column Height (H)	36.54 feet		
	Background	Falling Head	Rising Head
Observed Initial Displacement (H_0)	NA	~ 5.3'	~ 5.31
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	117812		
Slug Data	# 2		
Length	5 FEET		
weight			
Diameter	1.625		
Slug Test File	Background	Falling	Rising
File Name	OW-2185 U BACKGROUND	OW-2185 U FALLING HEAD	OW-2185 U RISING HEAD
Start Time	~~10:04:24 AM~~ 10:17:34	4:41:31 PM	4:45:51 PM
End Time	~~4:09:39 PM~~ 10:20:34	4:44:01 PM	4:50:04 PM
Notes	→ 10:00:04 AM → 4:38:59 PM		

Rev 0

Prepared by: LWS Date: 3-14-08
Checked by: BWJ Date: 3/14/08



OW-2185U FALLING HEAD

PROJECT INFORMATION

Company: MACTEC
Client: Bechtel Power Corp.
Project: 6468-07-1777.210
Location: Victoria, Texas
Test Well: OW-2185U
Test Date: 1-17-08

AQUIFER DATA

Saturated Thickness: 4.5 ft
Anisotropy Ratio (Kz/Kr): 1.

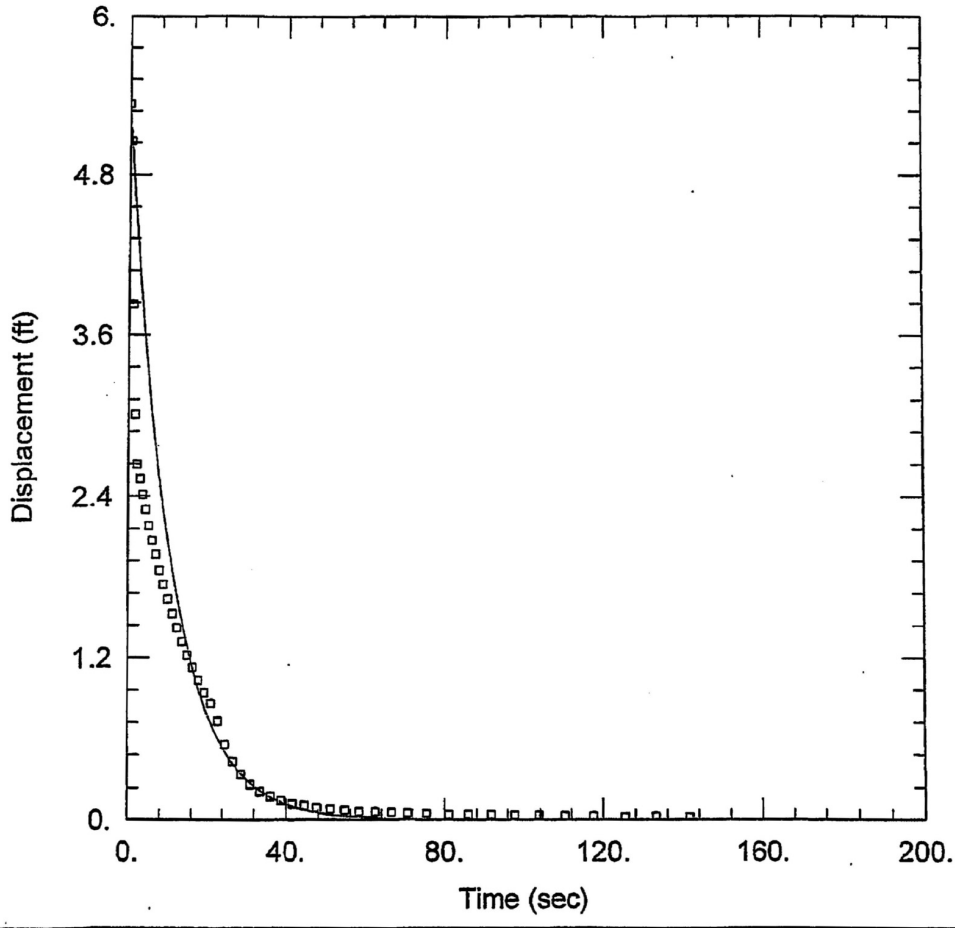
WELL DATA (OW-2185U)

Initial Displacement: 5.333 ft
Total Well Penetration Depth: 75. ft
Casing Radius: 0.083 ft
Static Water Column Height: 36.54 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 9.919 ft/day
y0 = 3.229 ft

Prepared by: WSC Date: 3-14-08
Checked by: BAJ Date: 3/14/08



OW-2185U FALLING HEAD

PROJECT INFORMATION

Company: MACTEC
Client: Bechtel Power Corp.
Project: 6468-07-1777.210
Location: Victoria, Texas
Test Well: OW-2185U
Test Date: 1-17-08

AQUIFER DATA

Saturated Thickness: 4.5 ft
Anisotropy Ratio (Kz/Kr): 1.

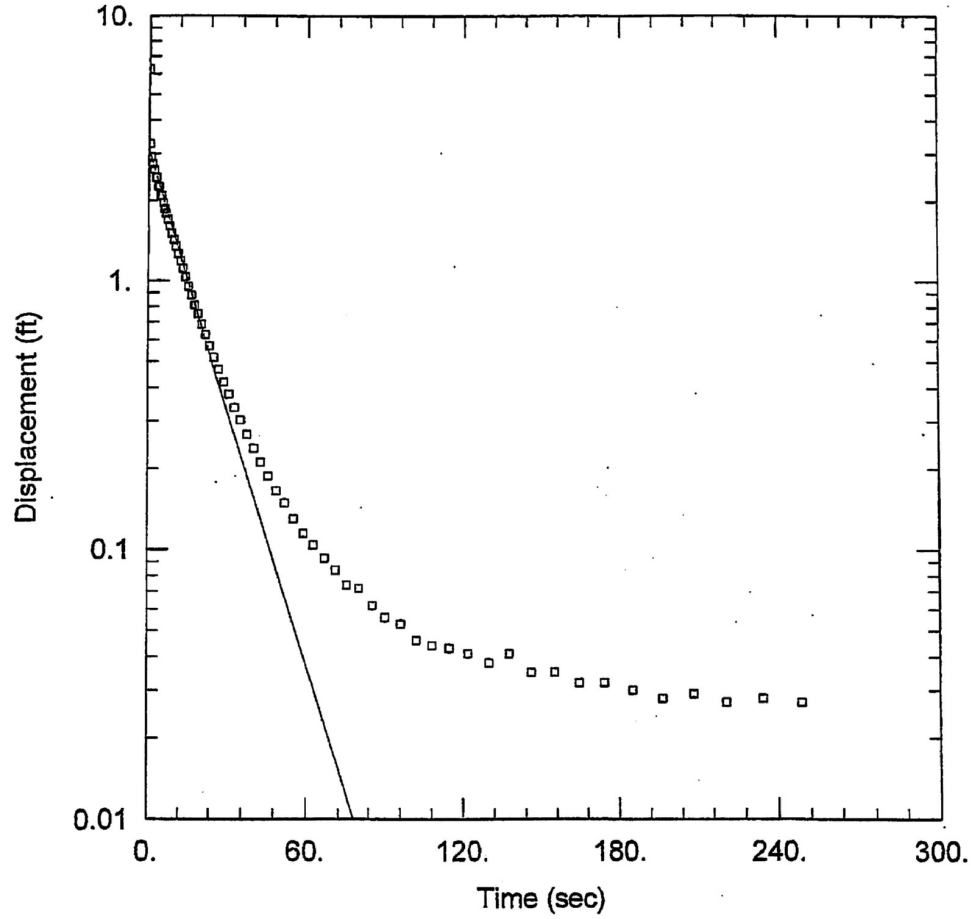
WELL DATA (OW-2185U)

Initial Displacement: 5.333 ft
Total Well Penetration Depth: 75. ft
Casing Radius: 0.083 ft
Static Water Column Height: 36.54 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Butler
K = 15.15 ft/day
Le = 0.1 ft

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



OW-2185U RISING HEAD

PROJECT INFORMATION

Company: MACTEC
Client: Bechtel Power Corp.
Project: 6468-07-1777.210
Location: Victoria, Texas
Test Well: OW-2185U
Test Date: 1-17-08

AQUIFER DATA

Saturated Thickness: 4.5 ft

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW-2185U)

Initial Displacement: 6.255 ft
Total Well Penetration Depth: 75. ft
Casing Radius: 0.083 ft

Static Water Column Height: 36.54 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

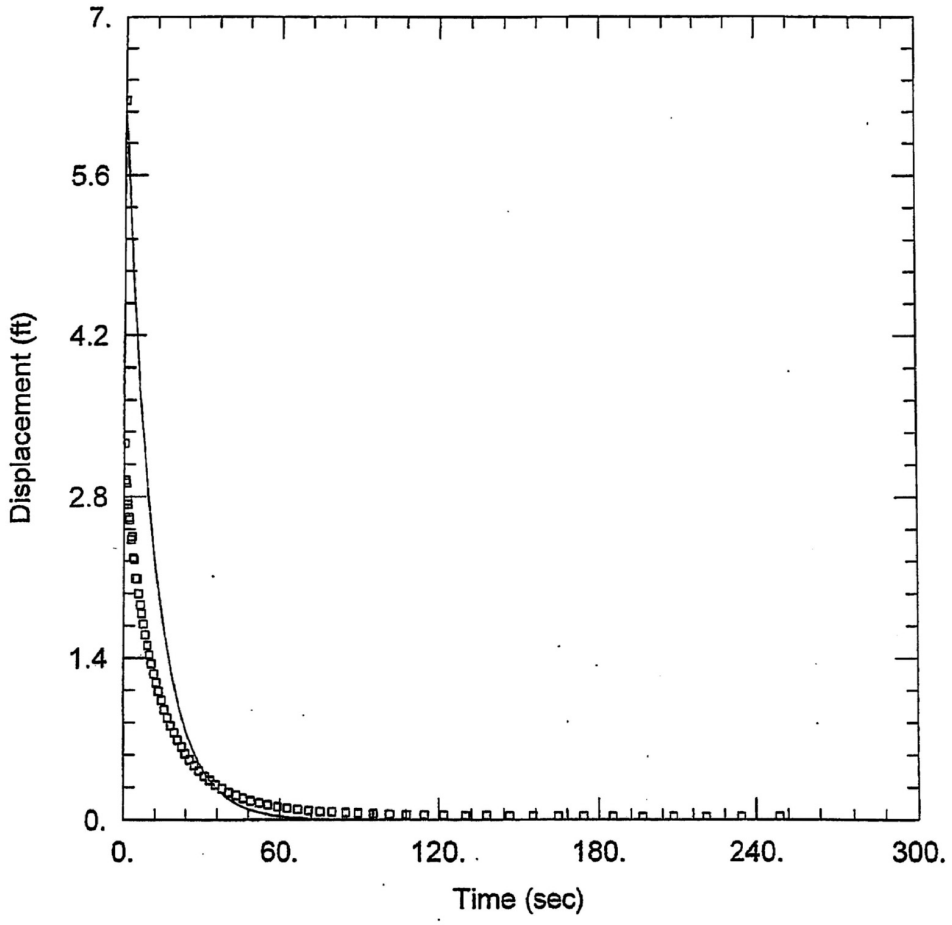
Aquifer Model: Confined

Solution Method: Bouwer-Rice

K = 10.79 ft/day

y0 = 3.071 ft

Prepared by: LWSi Date: 3-14-08
Checked by: BWJ Date: 3/14/08



OW-2185U RISING HEAD

PROJECT INFORMATION

Company: MACTEC
Client: Bechtel Power Corp.
Project: 6468-07-1777.210
Location: Victoria, Texas
Test Well: OW-2185U
Test Date: 1-17-08

AQUIFER DATA

Saturated Thickness: 4.5 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW-2185U)

Initial Displacement: 6.255 ft
Total Well Penetration Depth: 75. ft
Casing Radius: 0.083 ft
Static Water Column Height: 36.54 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Butler
K = 13.86 ft/day
Le = 0.1 ft

Checked by: CHS Date: 3/14/08

MACTEC

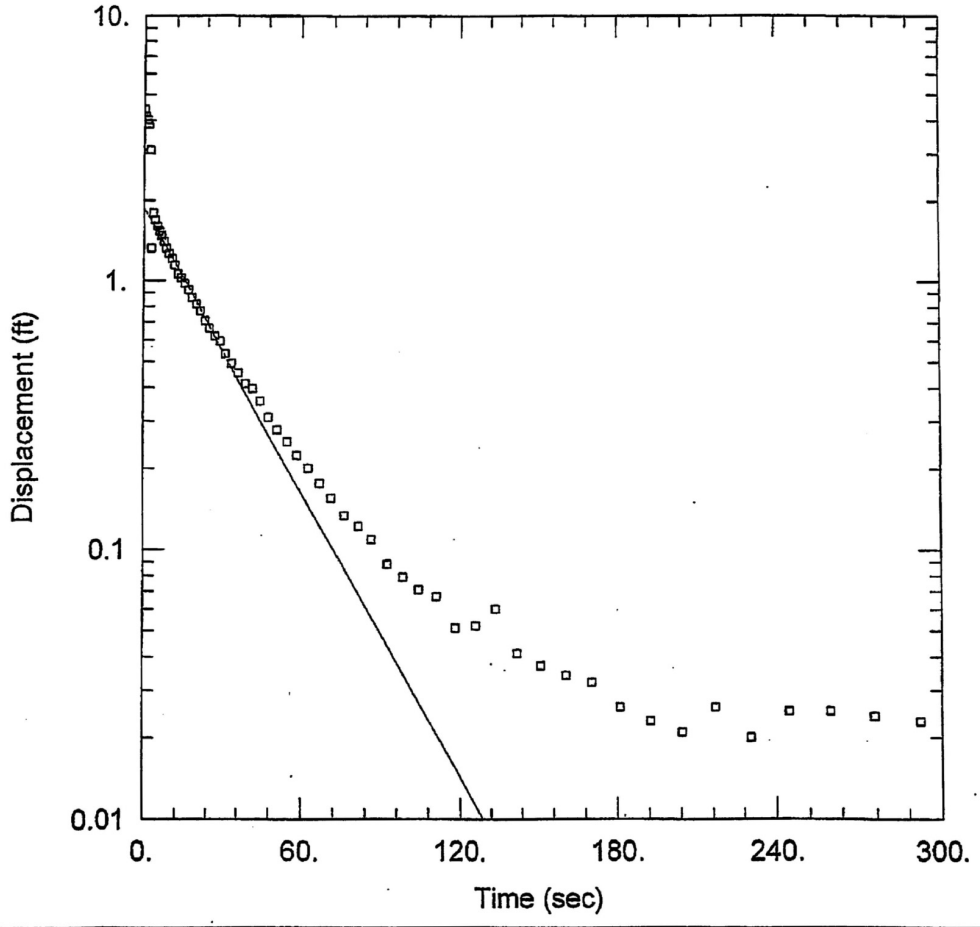
SLUG TEST REPORT

Project Name: Exelon COL	Project Number: 6469-07-1777	Page 1 of 1	OW-2185L
Client: Bechtel	Contractor: MACTEC		
Location: Victoria	MACTEC Rep: L.M. BISSON B. TAYLOR	Date: 1/17/08	

UNITS			
Length	Feet		
Time	Minutes		
Well Data			
Static Water Level	45.52 feet		
Total Well Depth	102.96 feet		
Static Water Column Height (H)	57.44 feet		
	Background	Falling Head	Rising Head
Observed Initial Displacement (H_0)	NA	~4 FEET	~4 FEET
Saturated Thickness (b)	feet		
Conductivity Anisotropy (Kv/Kh)	Assume 1 to 1		
Depth to Top of Well Screen (d)	90 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			
Slug Data	SINGLE SLUG #2		
Length	5 FEET		
weight			
Diameter	1.625 INCHES		
Slug Test File	Background	Falling	Rising
File Name	OW-2185L BACKGROUND	OW-2185L FALLING HEAD	OW-2185L RISING HEAD
Start Time	10:08:39 AM	4:27:11 PM	4:34:04
End Time	4:08:39 AM	4:31:12 PM	4:37:13
Notes			

Rev 0

Prepared by: WSC Date: 3-14-08
Checked by: BWJ Date: 3/14/08



OW-2185L FALLING HEAD

PROJECT INFORMATION

Company: MACTEC
Client: Bechtel Power Corp.
Project: 6468-07-1777.210
Location: Victoria, Texas
Test Well: OW-2185L
Test Date: 1-17-08

AQUIFER DATA

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

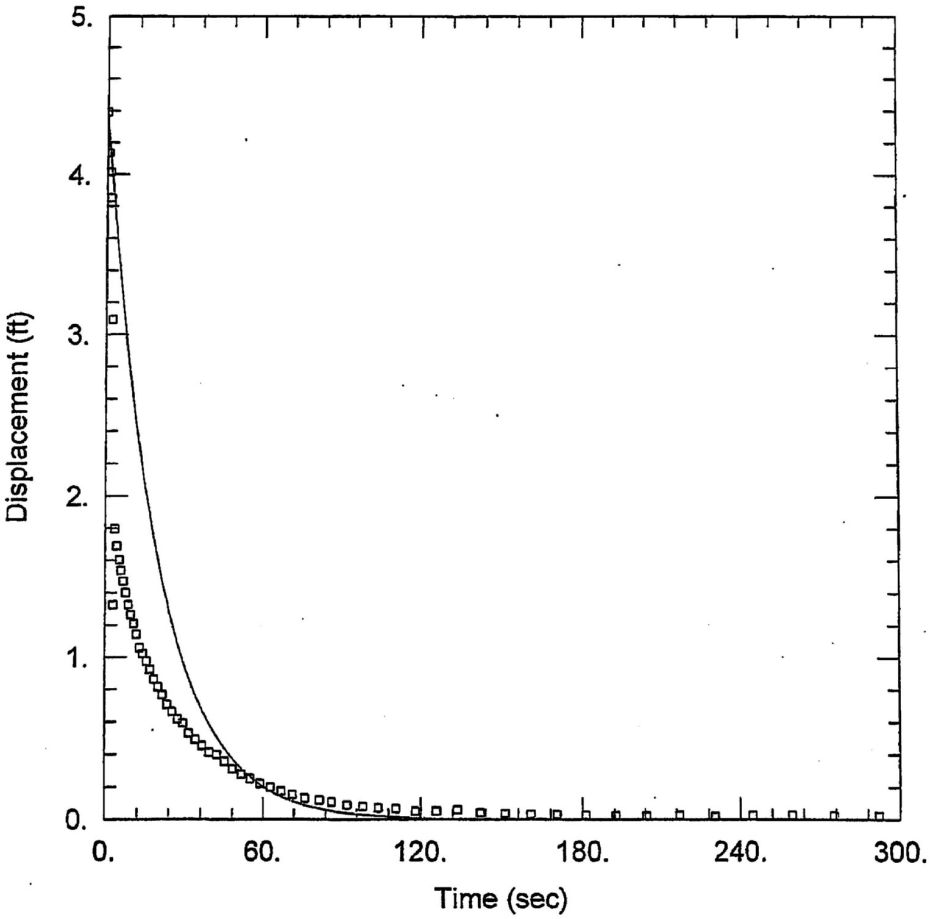
WELL DATA (OW-2185L)

Initial Displacement: 4.39 ft
Total Well Penetration Depth: 100. ft
Casing Radius: 0.083 ft
Static Water Column Height: 57.44 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 6.171 ft/day
y0 = 1.875 ft

Prepared by: LWS Date: 3-14-08
Checked by: BWJ Date: 3/14/08



OW-2185L FALLING HEAD

PROJECT INFORMATION

Company: MACTEC
Client: Bechtel Power Corp.
Project: 6468-07-1777.210
Location: Victoria, Texas
Test Well: OW-2185L
Test Date: 1-17-08

AQUIFER DATA

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

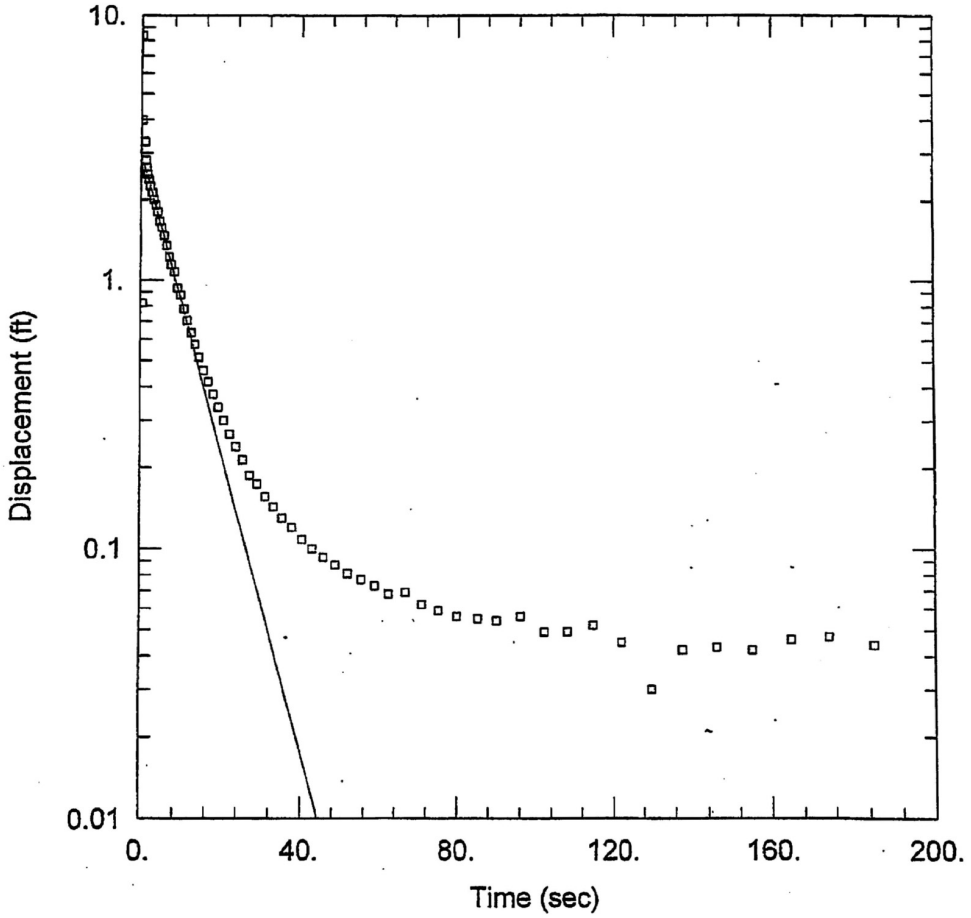
WELL DATA (OW-2185L)

Initial Displacement: 4.39 ft
Total Well Penetration Depth: 100. ft
Casing Radius: 0.083 ft
Static Water Column Height: 57.44 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Butler
K = 8.095 ft/day
Le = 0.1 ft

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



OW-2185L RISING HEAD

PROJECT INFORMATION

Company: MACTEC
Client: Bechtel Power Corp.
Project: 6468-07-1777.210
Location: Victoria, Texas
Test Well: OW-2185L
Test Date: 1-17-08

AQUIFER DATA

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

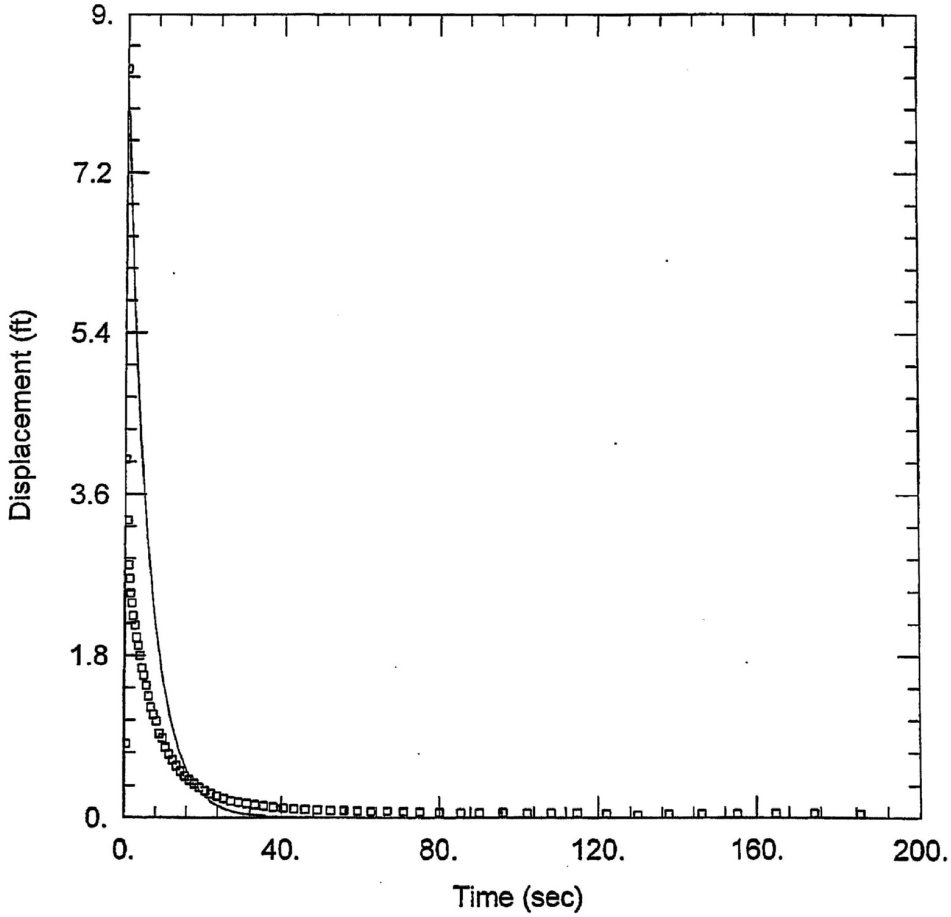
WELL DATA (OW-2185L)

Initial Displacement: 8.373 ft
Total Well Penetration Depth: 100. ft
Casing Radius: 0.083 ft
Static Water Column Height: 57.44 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 19.4 ft/day
y0 = 2.936 ft

Prepared by: CWS Date: 3-14-08
Checked by: BWJ Date: 3/14/08



OW-2185L RISING HEAD

PROJECT INFORMATION

Company: MACTEC
Client: Bechtel Power Corp.
Project: 6468-07-1777.210
Location: Victoria, Texas
Test Well: OW-2185L
Test Date: 1-17-08

AQUIFER DATA

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

WELL DATA (OW-2185L)

Initial Displacement: 8.373 ft
Total Well Penetration Depth: 100. ft
Casing Radius: 0.083 ft
Static Water Column Height: 57.44 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Butler
K = 27.27 ft/day
Le = 0.1 ft

Checked by: CHB Date: 3/14/08

MACTEC

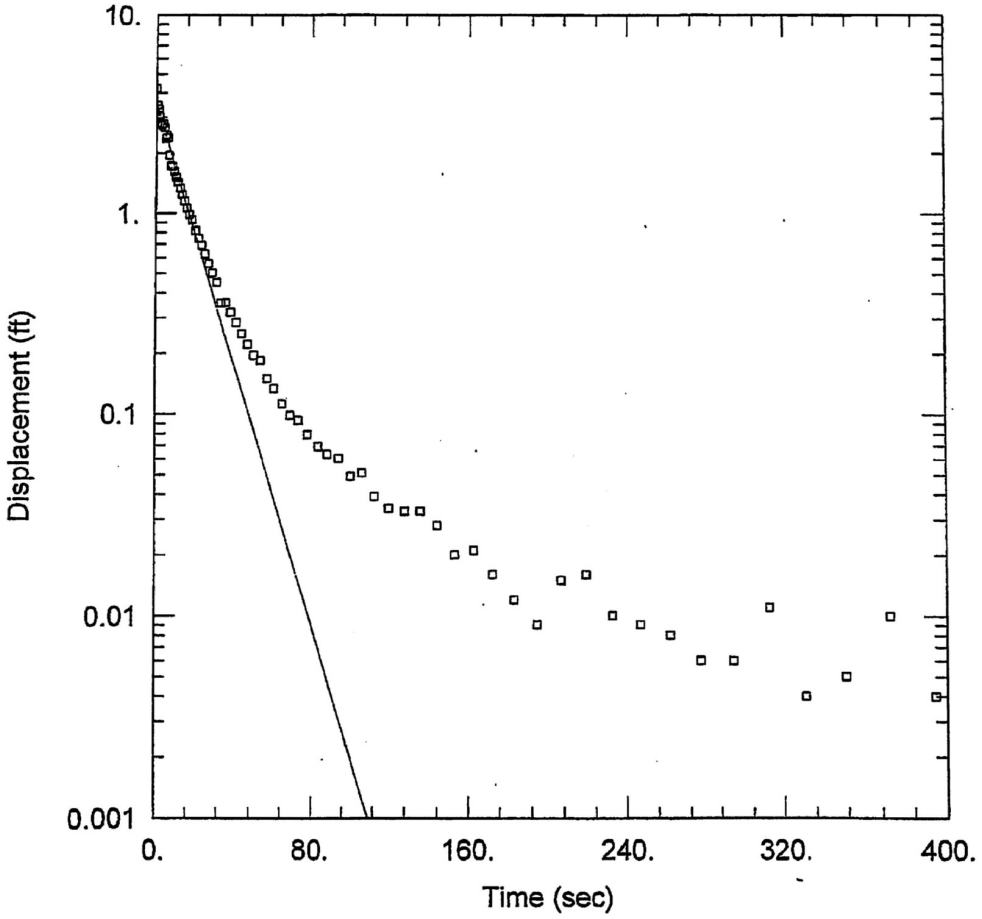
SLUG TEST REPORT

Project Name: Exelon COL	Project Number: 6469-07-1777	Page 1 of 1	OW-2253U
Client: Bechtel	Contractor: MACTEC		
Location: Victoria	MACTEC Rep: L.M. BISSOH B. TAYLOR	Date: 1/15/08	

UNITS			
Length	Feet		
Time	Minutes		
Well Data			
Static Water Level	34.10 feet		
Total Well Depth	68.25 feet		
Static Water Column Height (H)	34.15 feet		
	Background	Falling Head	Rising Head
Observed Initial Displacement (H_0)	NA	~4.2 FEET	~8.0 FEET
Saturated Thickness (b)	feet		
Conductivity Anisotropy (Kv/Kh)	Assume 1 to 1		
Depth to Top of Well Screen (d)	55 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 (rep)			
Radius of Boring (rsk) Skin Effect	0.083 feet		
Probe Serial Number	112335		
Slug Data	SLUG #2		
Length	5.0 FEET		
weight			
Diameter	1.625 INCHES		
Slug Test File	Background	Falling	Rising
File Name	OW-2253U	OW-2253U FALLING HEAD	OW-2253U RISING HEAD
Start Time		4:27:23 PM	4:35:59 PM
End Time		4:33:40 PM	4:47:52 PM
Notes			

Rev 0

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



OW-2253 U FALLING HEAD

PROJECT INFORMATION

Company: MACTEC
Client: Bechtel Power Corp.
Project: 6468-07-1777.210
Location: Victoria, Texas
Test Well: OW-2253 U
Test Date: 1-15-08

AQUIFER DATA

Saturated Thickness: 8.5 ft
Anisotropy Ratio (Kz/Kr): 1.

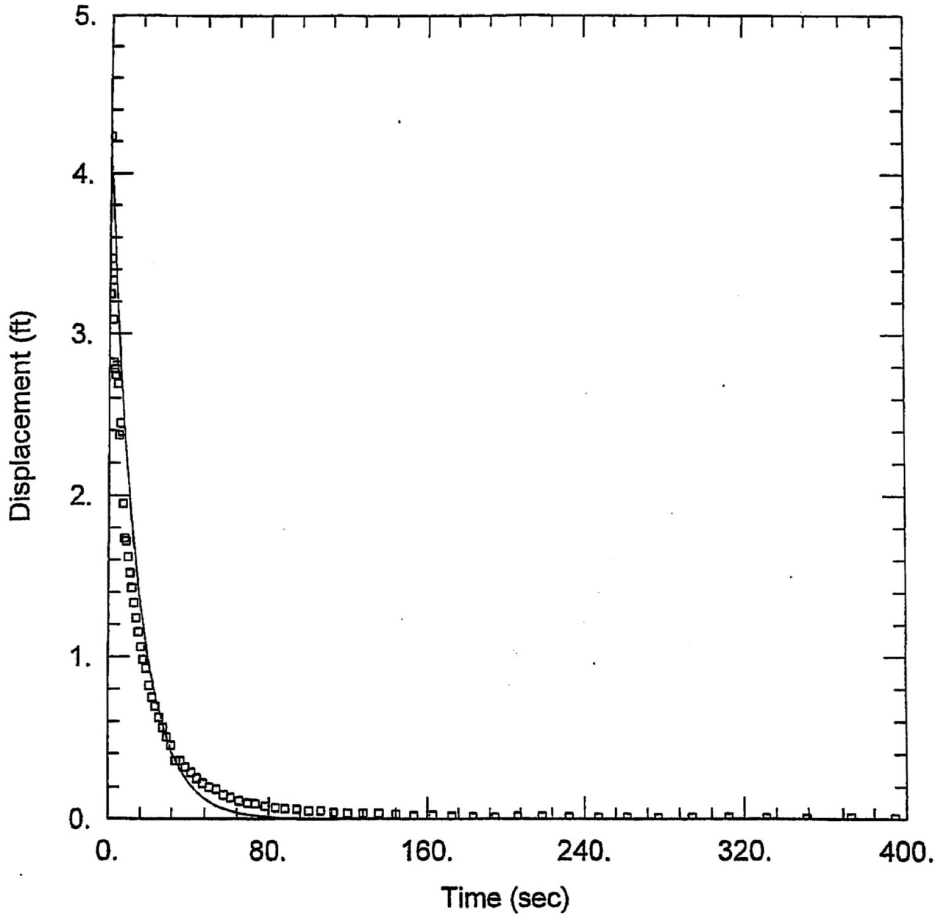
WELL DATA (OW-2253 U)

Initial Displacement: 4.234 ft
Total Well Penetration Depth: 65. ft
Casing Radius: 0.083 ft
Static Water Column Height: 34.15 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 10.8 ft/day
y0 = 3.575 ft

Prepared by: LWSC Date: 3-14-08
Checked by: BWJ Date: 3/14/08



OW-2253 U FALLING HEAD

PROJECT INFORMATION

Company: MACTEC
Client: Bechtel Power Corp.
Project: 6468-07-1777.210
Location: Victoria, Texas
Test Well: OW-2253 U
Test Date: 1-15-08

AQUIFER DATA

Saturated Thickness: 8.5 ft
Anisotropy Ratio (Kz/Kr): 1.

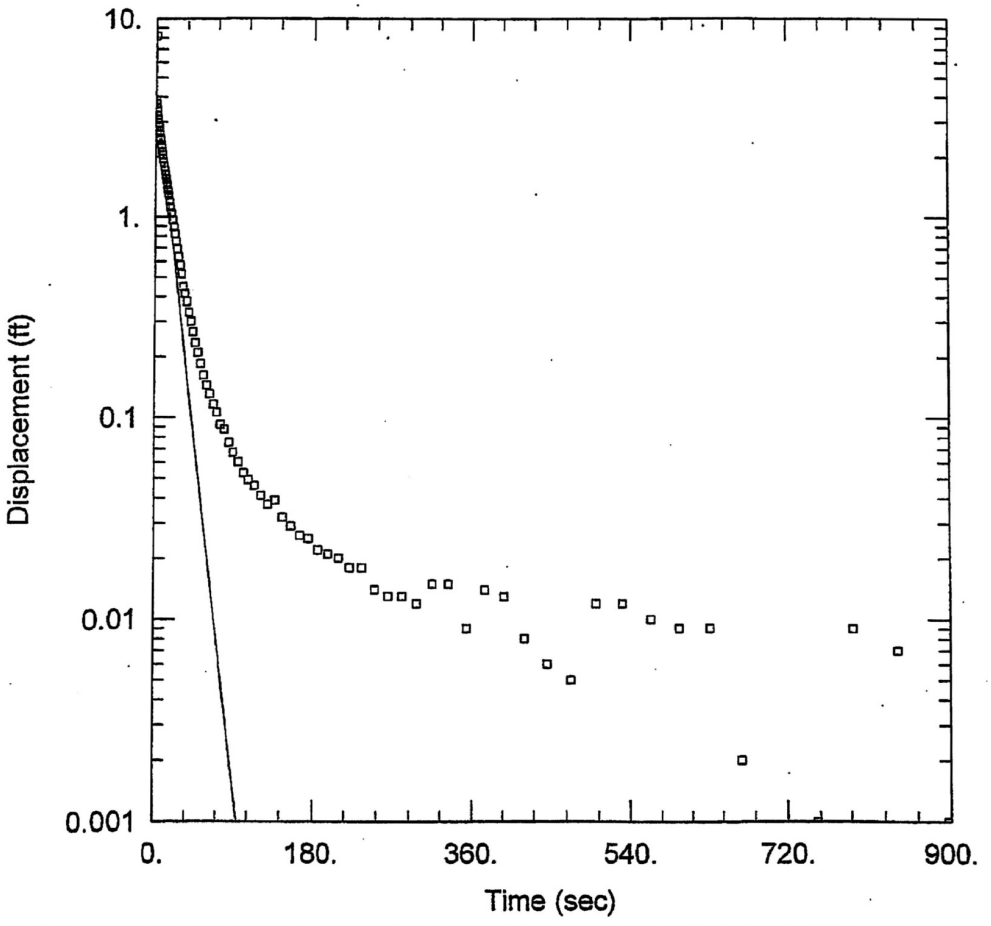
WELL DATA (OW-2253 U)

Initial Displacement: 4.234 ft
Total Well Penetration Depth: 65. ft
Casing Radius: 0.083 ft
Static Water Column Height: 34.15 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Butler
K = 11.58 ft/day
Le = 0.1 ft

Prepared by: WSG Date: 3-14-08
Checked by: BLW Date: 3/14/08



OW-2253U RISING HEAD

PROJECT INFORMATION

Company: MACTEC
Client: Bechtel Power Corp.
Project: 6468-07-1777.210
Location: Victoria, Texas
Test Well: OW-2253 U
Test Date: 1-15-08

AQUIFER DATA

Saturated Thickness: 8.5 ft
Anisotropy Ratio (Kz/Kr): 1.

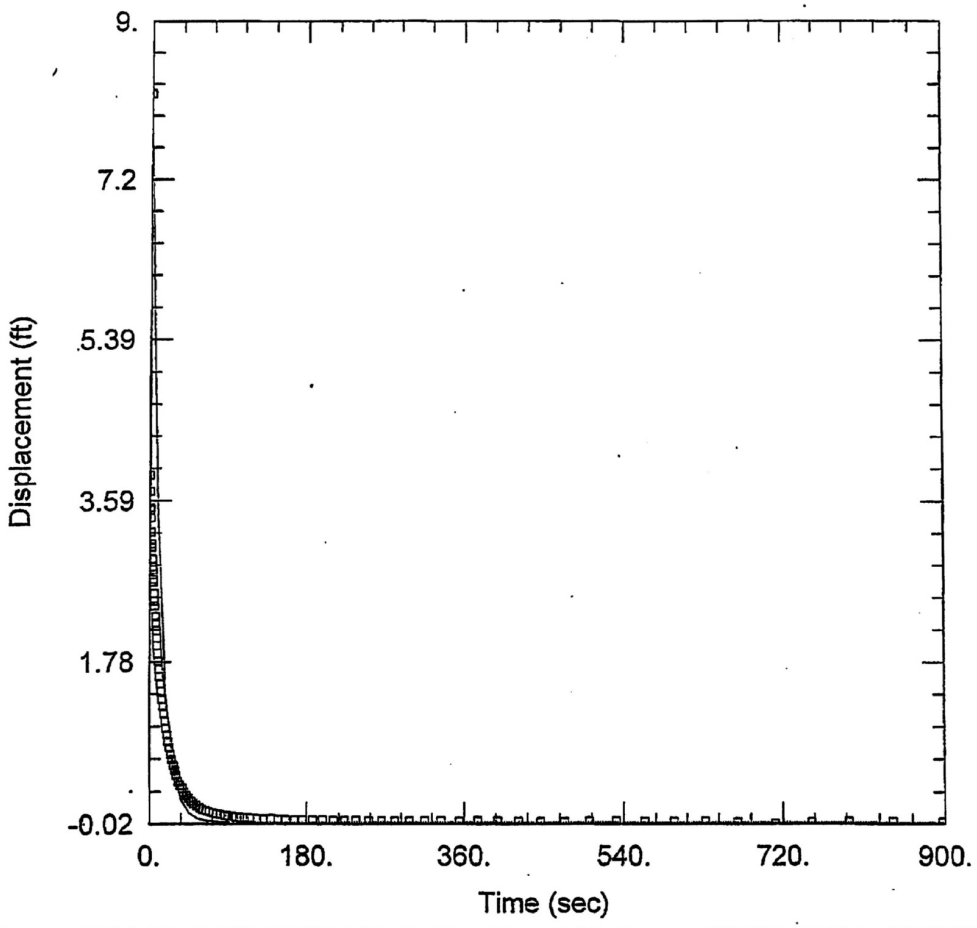
WELL DATA (OW-2253U)

Initial Displacement: 8.171 ft
Total Well Penetration Depth: 65. ft
Casing Radius: 0.083 ft
Static Water Column Height: 34.1 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 12.48 ft/day
y0 = 4.136 ft

Prepared by: [illegible] Date: 3-14-08
Checked by: [illegible] Date: 3/14/08



OW-2253U RISING HEAD

PROJECT INFORMATION

Company: MACTEC
Client: Bechtel Power Corp.
Project: 6468-07-1777.210
Location: Victoria, Texas
Test Well: OW-2253 U
Test Date: 1-15-08

AQUIFER DATA

Saturated Thickness: 8.5 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW-2253U)

Initial Displacement: 8.171 ft
Total Well Penetration Depth: 65. ft
Casing Radius: 0.083 ft
Static Water Column Height: 34.1 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Butler
K = 15.36 ft/day
Le = 10. ft

Checked by: CHB Date: 3/14/08

MACTEC

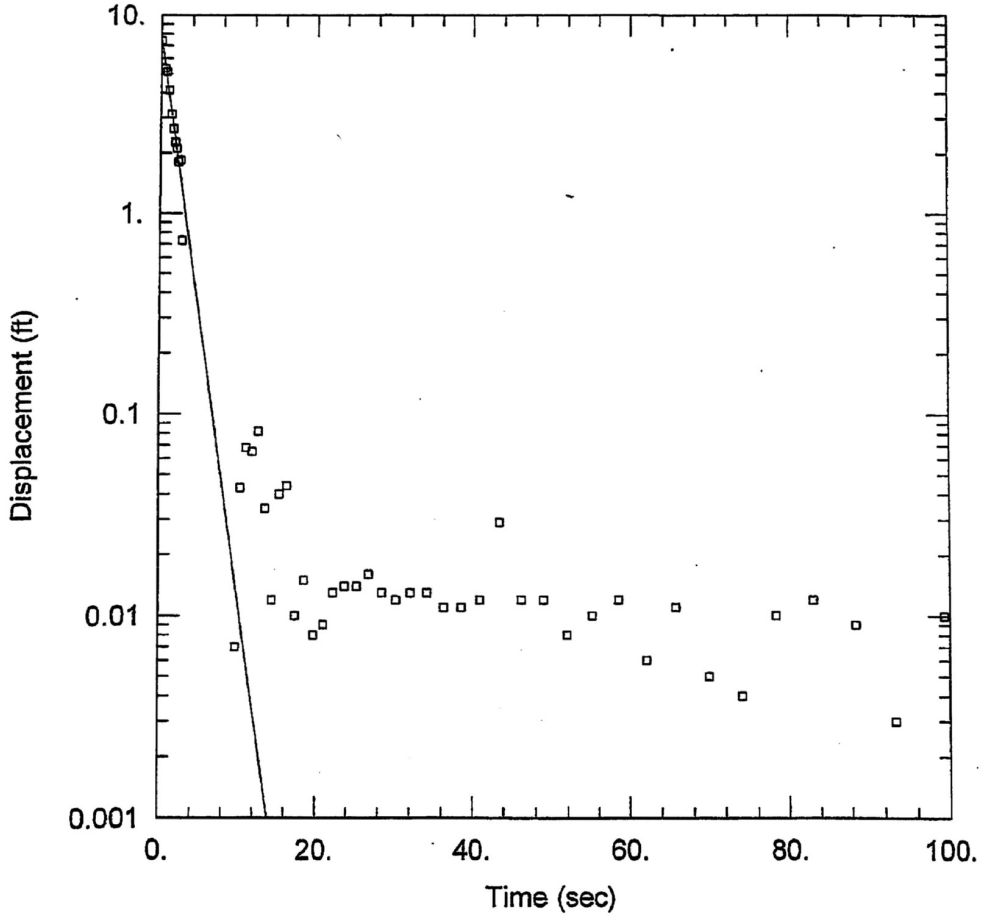
SLUG TEST REPORT

Project Name: Exelon COL	Project Number: 6469-07-1777	Page 1 of 1	OW-2253L
Client: Bechtel	Contractor: MACTEC		
Location: Victoria	MACTEC Rep: A.M. BISSON B. TAYLOR	Date: 1/15/08	

UNITS			
Length	Feet		
Time	Minutes		
Well Data			
Static Water Level	49.36 feet		
Total Well Depth	148.35 feet		
Static Water Column Height (H)	98.99 feet		
	Background	Falling Head	Rising Head
Observed Initial Displacement (H_0)	NA	~ 14 FEET	~ 8 FEET
Saturated Thickness (b)	feet		
Conductivity Anisotropy (Kv/Kh)	Assume 1 to 1		
Depth to Top of Well Screen (d)	135 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	109172		
Slug Data	DOUBLE SLUG		
Length	5.5' & 5.5'		
weight	17.5 lbs.		
Diameter	1.625"		
Slug Test File	Background	Falling	Rising
File Name OW-2253 L	OW-2253L	OW-2253L FALLING HEAD	OW-2253L RISING HEAD
Start Time	4:45:26	5:16:49 pm	5:12:52 pm
End Time	4:53:36	5:17:50 pm	5:13:29 pm
Notes	- RAN 3 FALLING HEAD AND 3 RISING HEAD TESTS DUE TO QUICK RECOVERY		

Rev 0

Prepared by: LWSL Date: 3-14-08
Checked by: BLW Date: 3/14/08



OW-2253L FALLING HEAD 1

PROJECT INFORMATION

Company: MACTEC
Client: Bechtel Power Corp.
Project: 6468-07-1777.210
Location: Victoria, Texas
Test Well: OW-2253 L
Test Date: 1-15-08

AQUIFER DATA

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

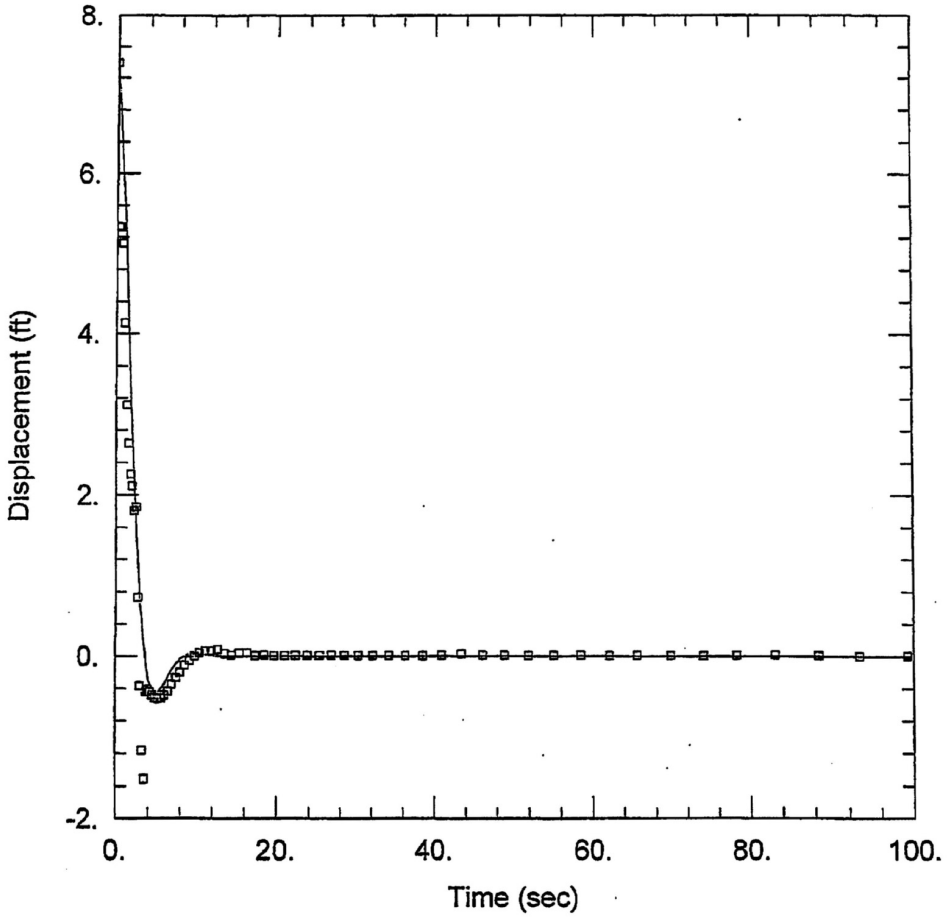
WELL DATA (OW-2253 L)

Initial Displacement: 7.394 ft
Total Well Penetration Depth: 145. ft
Casing Radius: 0.083 ft
Static Water Column Height: 98.99 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 101.4 ft/day
y0 = 7.555 ft

Prepared by: LSG Date: 3-14-08
Checked by: BWJ Date: 3/14/08



OW-2253L FALLING HEAD 1

PROJECT INFORMATION

Company: MACTEC
Client: Bechtel Power Corp.
Project: 6468-07-1777.210
Location: Victoria, Texas
Test Well: OW-2253 L
Test Date: 1-15-08

AQUIFER DATA

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

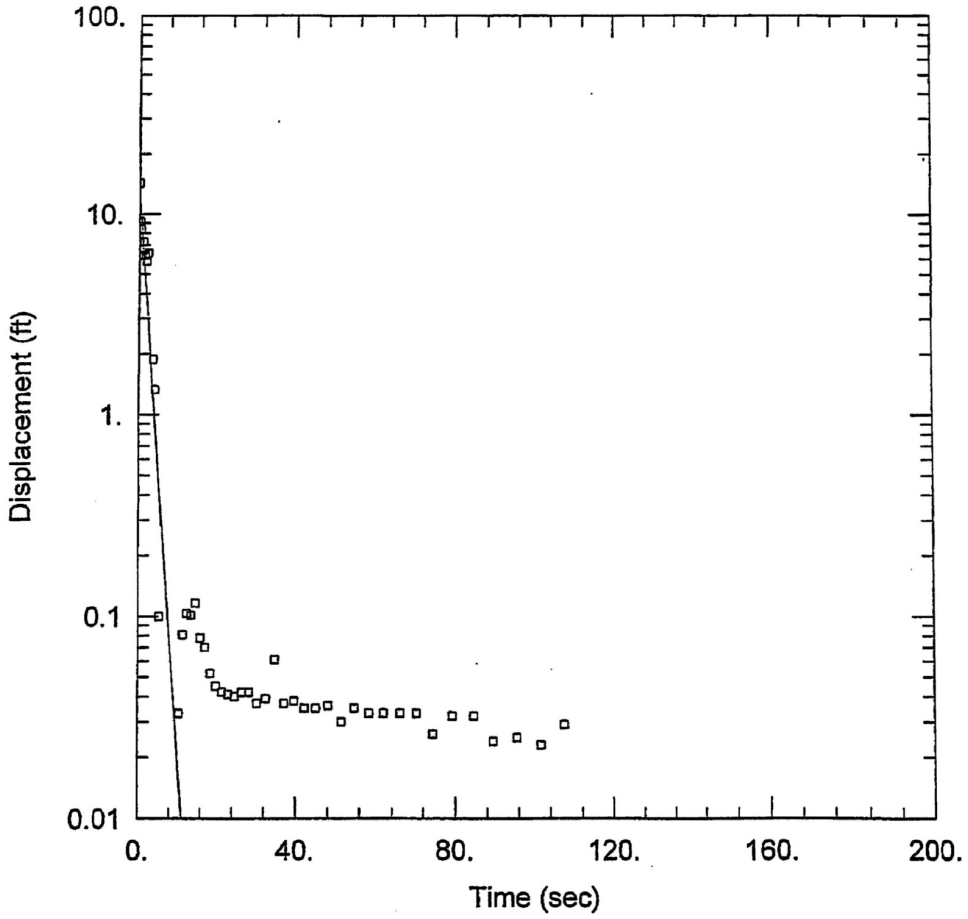
WELL DATA (OW-2253 L)

Initial Displacement: 7.394 ft
Total Well Penetration Depth: 145. ft
Casing Radius: 0.083 ft
Static Water Column Height: 98.99 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Butler
K = 105.2 ft/day
Le = 44.53 ft

Prepared by: LSL Date: 3-14-08
Checked by: BWJ Date: 3/14/08



OW-2253L FALLING HEAD B

PROJECT INFORMATION

Company: MACTEC
Client: Bechtel Power Corp.
Project: 6468-07-1777.210
Location: Victoria, Texas
Test Well: OW-2253 L
Test Date: 1-15-08

AQUIFER DATA

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

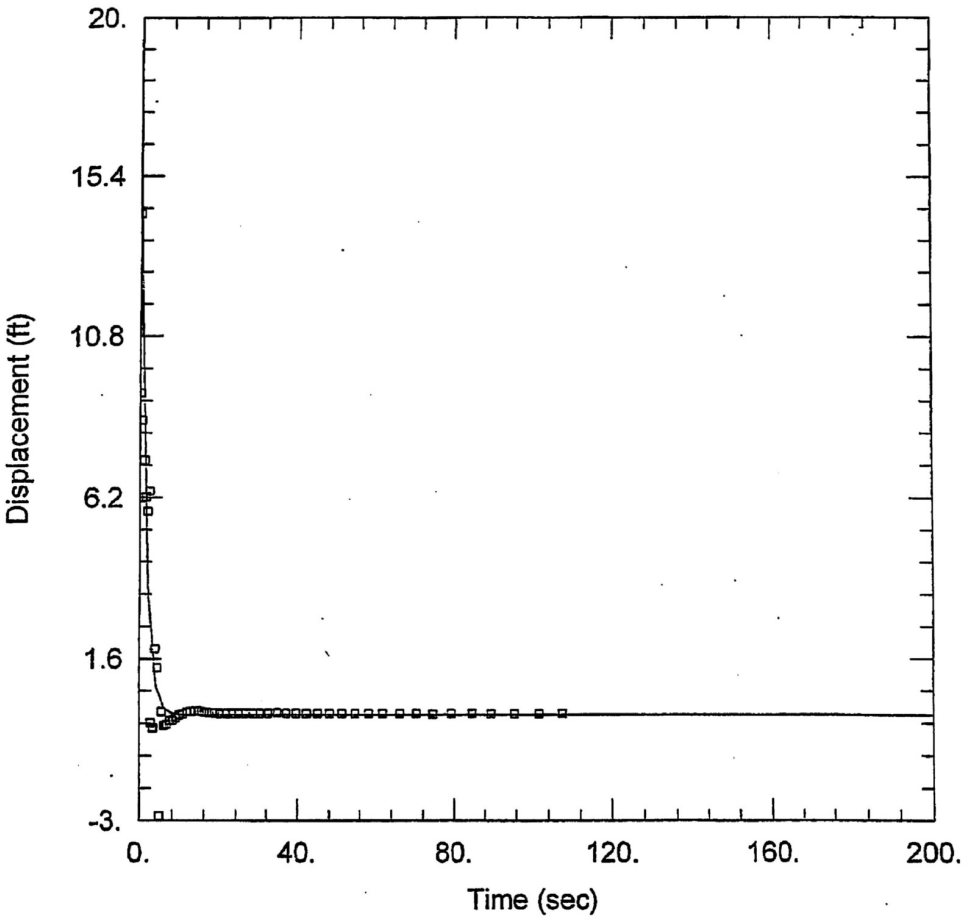
WELL DATA (OW-2253L)

Initial Displacement: 14.32 ft
Total Well Penetration Depth: 145. ft
Casing Radius: 0.083 ft
Static Water Column Height: 49.36 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 99.76 ft/day
y0 = 12.71 ft

Prepared by: EWSL Date: 3-14-08
Checked by: BWH Date: 3/14/08



OW-2253L FALLING HEAD B

PROJECT INFORMATION

Company: MACTEC
Client: Bechtel Power Corp.
Project: 6468-07-1777.210
Location: Victoria, Texas
Test Well: OW-2253 L
Test Date: 1-15-08

AQUIFER DATA

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

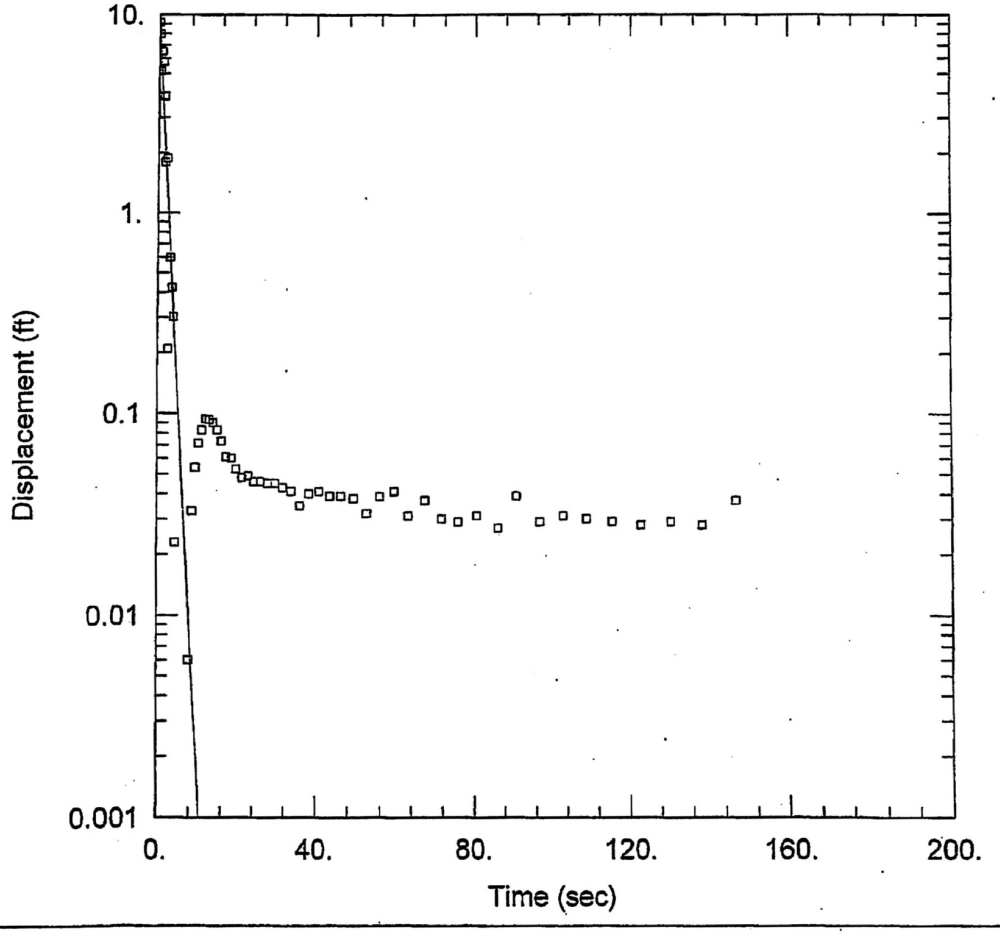
WELL DATA (OW-2253L)

Initial Displacement: 14.32 ft
Total Well Penetration Depth: 145. ft
Casing Radius: 0.083 ft
Static Water Column Height: 49.36 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Butler
K = 115.2 ft/day
Le = 0.1 ft

Prepared by: WSi Date: 3-14-08
Checked by: BWJ Date: 3/14/08



OW-2253L FALLING HEAD 2

PROJECT INFORMATION

Company: MACTEC
Client: Bechtel Power Corp.
Project: 6468-07-1777.210
Location: Victoria, Texas
Test Well: OW-2253 L
Test Date: 1-15-08

AQUIFER DATA

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

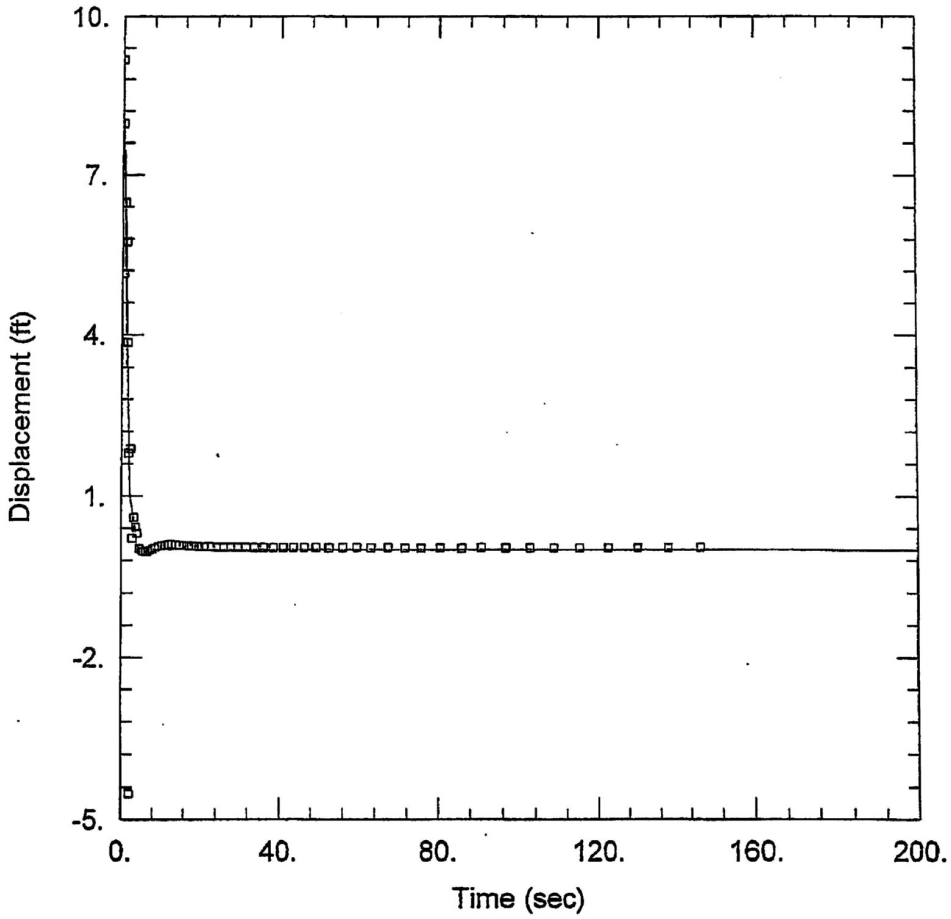
WELL DATA (OW-2253L)

Initial Displacement: 9.166 ft
Total Well Penetration Depth: 145. ft
Casing Radius: 0.083 ft
Static Water Column Height: 49.36 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 137.6 ft/day
y0 = 9.815 ft

Prepared by: WSi Date: 3-4-08
Checked by: BWJ Date: 3/14/08



OW-2253L FALLING HEAD 2

PROJECT INFORMATION

Company: MACTEC
Client: Bechtel Power Corp.
Project: 6468-07-1777.210
Location: Victoria, Texas
Test Well: OW-2253 L
Test Date: 1-15-08

AQUIFER DATA

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

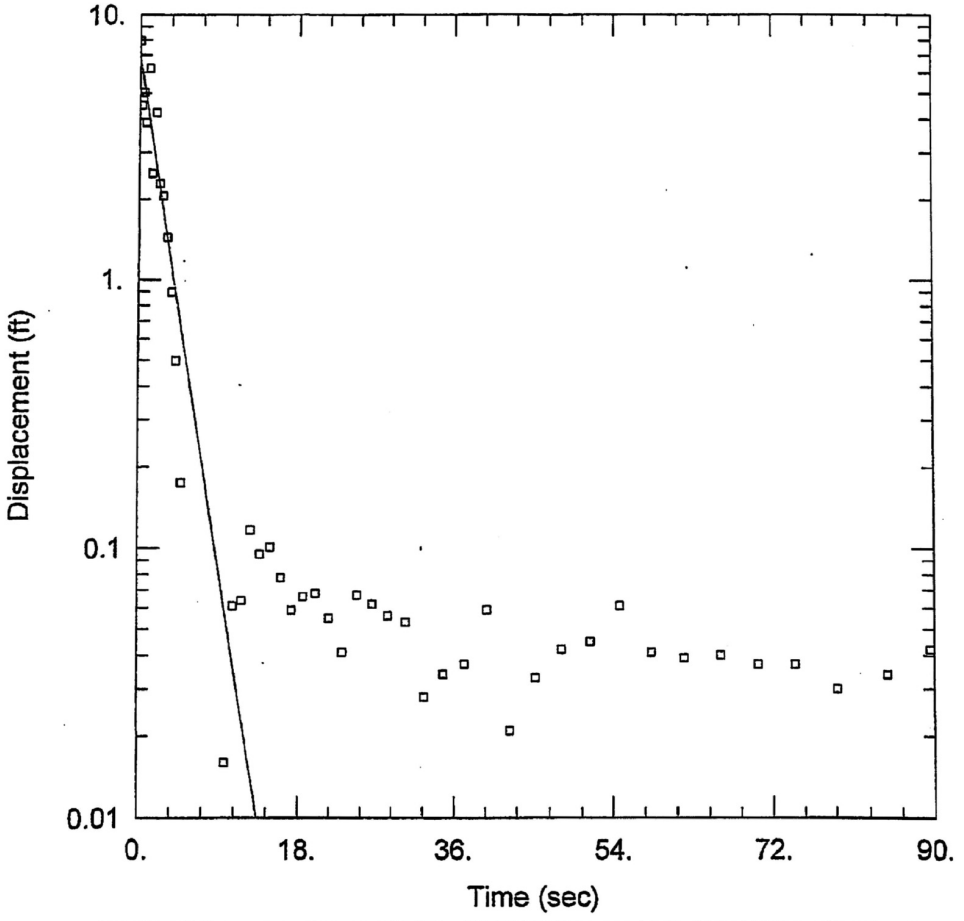
WELL DATA (OW-2253L)

Initial Displacement: 9.166 ft
Total Well Penetration Depth: 145. ft
Casing Radius: 0.083 ft
Static Water Column Height: 49.36 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Butler
K = 147.8 ft/day
Le = 10. ft

Prepared by: CSG Date: 3-14-08
Checked by: BWJ Date: 3/14/08



OW-2253L RISING HEAD

PROJECT INFORMATION

Company: MACTEC
Client: Bechtel Power Corp.
Project: 6468-07-1777.210
Location: Victoria, Texas
Test Well: OW-2253 L
Test Date: 1-15-08

AQUIFER DATA

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

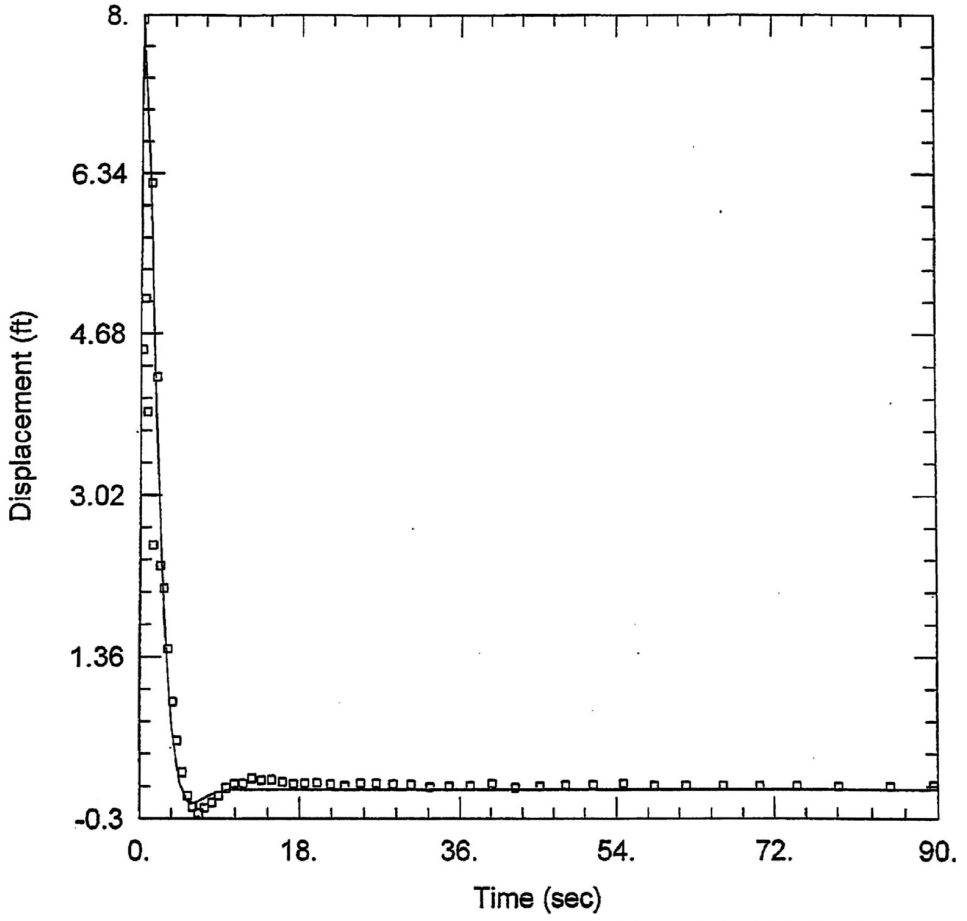
WELL DATA (OW-2253L)

Initial Displacement: 7.948 ft
Static Water Column Height: 98.99 ft
Total Well Penetration Depth: 145. ft
Screen Length: 10. ft
Casing Radius: 0.083 ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 77.25 ft/day
y0 = 6.915 ft

Prepared by: WSC Date: 3-14-08
Checked by: BWJ Date: 3/14/08



OW-2253L RISING HEAD

PROJECT INFORMATION

Company: MACTEC
Client: Bechtel Power Corp.
Project: 6468-07-1777.210
Location: Victoria, Texas
Test Well: OW-2253 L
Test Date: 1-15-08

AQUIFER DATA

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

WELL DATA (OW-2253L)

Initial Displacement: 7.948 ft
Total Well Penetration Depth: 145. ft
Casing Radius: 0.083 ft
Static Water Column Height: 98.99 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Butler
K = 87.9 ft/day
Le = 43.65 ft

Checked by: CHB Date: 3/14/08

MACTEC

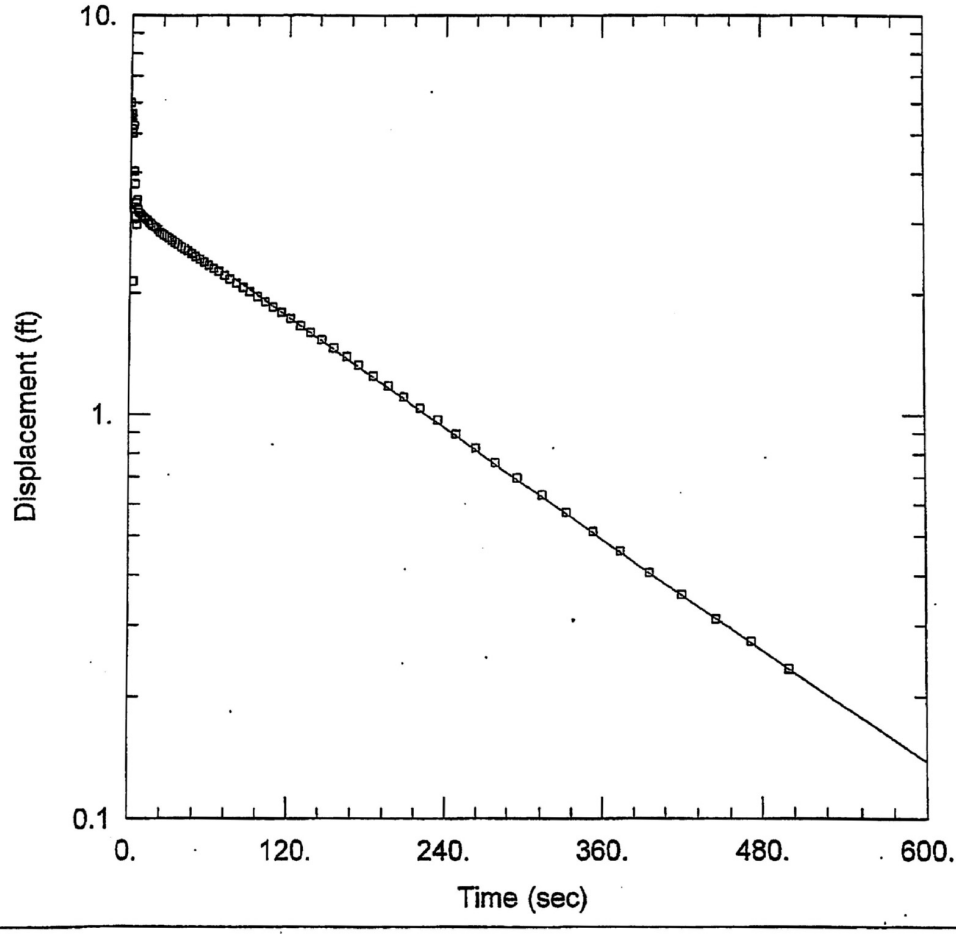
SLUG TEST REPORT

Project Name: Exelon COL	Project Number: 6469-07-1777	Page 1 of 1	OW-2269C
Client: Bechtel	Contractor: MACTEC.	1/15/08	
Location: Victoria	MACTEC Rep: LM. Bisson B. TAYLOR	Date: 1/16/08	

UNITS			
Length	Feet		
Time	Minutes		
Well Data			
Static Water Level	46.62 feet		
Total Well Depth	93.35 feet		
Static Water Column Height (H)	46.63 feet		
	Background	Falling Head	Rising Head
Observed Initial Displacement (H_0)	NA	6.0'	
Saturated Thickness (b)	feet		
Conductivity Anisotropy (Kv/Kh)	Assume 1 to 1		
Depth to Top of Well Screen (d)	80 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	117812		
Slug Data	SLUG # 2		
Length	5.0 FEET		
weight			
Diameter	1.625 INCH		
Slug Test File	Background	Falling	Rising
File Name	OW-2284U	OW-2269C FALLING HEAD / OW-2269C FALLING HEAD	OW2269U Rising head 1-12- BT 1-16-08
Start Time	1-15-08 3:44.34	12:02:17 / 12:34.06	12:21.36
End Time	1-16-08 11:50.34	12:10:42	12:31:36
Notes	2 FALLING HEAD: Falling Head "B" rope caught up. Inappropriate Label on computer file: OW-2284U Start time 1-15-08 3:44.34		

Rev.0

Prepared by: WSL Date: 3-4-08
Checked by: BWD 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: Bouwer-Rice
K = 0.7932 ft/day
y0 = 3.294 ft