

Appendix H

Well Development Logs

WELL DEVELOPMENT LOG

URS-Diamond

PROJECT TITLE: <u>Rochester Driving Park</u>	WELL NO.: <u>MW-2</u>
PROJECT NO.: _____	
STAFF: <u>Dan Sheldon, Craig Taylor</u>	Start Purge: <u>11:02 AM</u>
DATE(S): <u>9/11/2008</u>	End Purge: <u>11:39 AM</u>

				WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	(Well Depth from TOC)	=	<u>27.39</u>	1"	0.04
2. CASING INTERNAL DIAMETER (IN.)		=	<u>3.00</u>	2"	0.17
3. WATER LEVEL BELOW TOP OF CASING (FT.)		=	<u>19.00</u>	3"	0.38
4. VOLUME OF WATER IN CASING (GAL)		=	<u>3.19</u>	4"	0.66
1 - 3 X 2 (GAL/FT.)				5"	1.04
				6"	1.50
				8"	2.60
VOLUME OF 3 CASINGS:			<u>9.5646</u>		

PARAMETERS	ACCUMULATED VOLUME PURGED (GALLONS)							
	1 GAL	3 GAL	6 GAL	9 GAL				
pH	7.50	7.14	7.13	7.20				
SPEC. COND. (umhos)	1.630	1.66	1.570	1.590				
TURBIDITY (NTU)	854.0	554	567.0	534.0				
TEMPERATURE (°F) (C)	14.35	13.59	13.6	13.60				
DISSOLVED OXYGEN (mg/L)	6.5	5.13	5.61	6.02				
ORP (mV)	22	28	31.0	20.0				

COMMENTS:
 Stopped at 9 gallons.

WELL DEVELOPMENT LOG

URS-Diamond

PROJECT TITLE: <u>Rochester Driving Park</u>	WELL NO.: <u>MW-3</u>
PROJECT NO.: _____	
STAFF: <u>Dan Sheldon, Craig Taylor</u>	Start Purge: <u>1:40 PM</u>
DATE(S): <u>9/10/2008</u>	End Purge: <u>1:32 PM</u>

				WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	(Well Depth from TOC)	=	<u>26.86</u>	1"	0.04
2. CASING INTERNAL DIAMETER (IN.)		=	<u>3.00</u>	2"	0.17
3. WATER LEVEL BELOW TOP OF CASING (FT.)		=	<u>21.22</u>	3"	0.38
4. VOLUME OF WATER IN CASING (GAL)		=	<u>2.14</u>	4"	0.66
(#1 -# 3) X #2 (GAL/FT.)				5"	1.04
				6"	1.50
				8"	2.60
VOLUME OF 3 CASINGS:			<u>6.4296</u>		

PARAMETERS	ACCUMULATED VOLUME PURGED (GALLONS)							
	1 GAL							
	13:50							
pH	7.70							
SPEC. COND. (umhos)	2.450							
TURBIDITY (NTU)	497.0							
TEMPERATURE (°F) (C)	15.3							
DISSOLVED OXYGEN (mg/L)	15.4							
ORP (mV)	48							

COMMENTS:
 Stopped at 1 gal.

WELL DEVELOPMENT LOG

URS-Diamond

PROJECT TITLE: <u>Rochester Driving Park</u>	WELL NO.: <u>MW-3</u>
PROJECT NO.: _____	
STAFF: <u>Dan Sheldon, Craig Taylor</u>	Start Purge: <u>8:01 AM</u>
DATE(S): <u>9/11/2008</u>	End Purge: <u>8:31 AM</u>

				WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	(Well Depth from TOC)	=	<u>26.86</u>	1"	0.04
2. CASING INTERNAL DIAMETER (IN.)		=	<u>3.00</u>	2"	0.17
3. WATER LEVEL BELOW TOP OF CASING (FT.)		=	<u>17.95</u>	3"	0.38
4. VOLUME OF WATER IN CASING (GAL)		=	<u>3.39</u>	4"	0.66
(#1 -# 3) X #2 (GAL/FT.)				5"	1.04
				6"	1.50
				8"	2.60
VOLUME OF 3 CASINGS:			<u>10.1574</u>		

PARAMETERS	ACCUMULATED VOLUME PURGED (GALLONS)							
	1 GAL	1.5 GAL	1.75 GAL					
pH	7.60	7.56	7.52					
SPEC. COND. (umhos)	4.01	3.96						
TURBIDITY (NTU)	687.0	590	562.0					
TEMPERATURE (°F) (C)	12.58	13.64	15.31					
DISSOLVED OXYGEN (mg/L)	8.80	11.88	13.33					
ORP (mV)	19	14	10					

COMMENTS:
 Stopped at 1.75 gallons.

WELL DEVELOPMENT LOG

URS-Diamond

PROJECT TITLE: <u>Rochester Driving Park</u>	WELL NO.: <u>MW-4</u>
PROJECT NO.: _____	
STAFF: <u>Dan Sheldon, Craig Taylor</u>	Start Purge: <u>2:42 PM</u>
DATE(S): <u>9/10/2008</u>	End Purge: <u>3:35 PM</u>

				WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	(Well Depth from TOC)	=	<u>27.54</u>	1"	0.04
2. CASING INTERNAL DIAMETER (IN.)		=	<u>3.00</u>	2"	0.17
3. WATER LEVEL BELOW TOP OF CASING (FT.)		=	<u>21.83</u>	3"	0.38
4. VOLUME OF WATER IN CASING (GAL)		=	<u>2.17</u>	4"	0.66
(#1 -# 3) X #2 (GAL/FT.)				5"	1.04
				6"	1.50
				8"	2.60
VOLUME OF 3 CASINGS:			<u>6.5094</u>		

PARAMETERS	ACCUMULATED VOLUME PURGED (GALLONS)							
	0 GAL 14:42	3 GAL	4 GAL	6 GAL	9 GAL	17 GAL	26 GAL	34 GAL 15:35
pH	7.21	7.32	7.05	7.10	7.21	7.20	7.13	7.16
SPEC. COND. (umhos)	3.07	2.35	2.33	2.33	2.91	2.21	2.19	2.12
TURBIDITY (NTU)	>1000	642	596.0	998*	480.0	561	519	484
TEMPERATURE (°F) (C)	15.80	14.15	13.89	14.20	13.90	13.40	13.17	13.10
DISSOLVED OXYGEN (mg/L)	14.60	4.21	2.98	12.30	11.40	5.92	4.28	14.60
ORP (mV)	23	47	50	45	39	34	40	29

COMMENTS:

* Turbidity meter malfunction, sample is only slightly turbid.

Stopped at 34 gallons.

WELL DEVELOPMENT LOG

URS-Diamond

PROJECT TITLE: <u>Rochester Driving Park</u>	WELL NO.: <u>MW-5</u>
PROJECT NO.: _____	
STAFF: <u>Dan Sheldon, Craig Taylor</u>	Start Purge: <u>9:40 AM</u>
DATE(S): <u>9/10/2008</u>	End Purge: <u>10:40 AM</u>

				WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	(Well Depth from TOC)	=	<u>32.95</u>	1"	0.04
2. CASING INTERNAL DIAMETER (IN.)		=	<u>3.00</u>	2"	0.17
3. WATER LEVEL BELOW TOP OF CASING (FT.)		=	<u>13.18</u>	3"	0.38
4. VOLUME OF WATER IN CASING (GAL)		=	<u>7.51</u>	4"	0.66
(#1 -# 3) X #2 (GAL/FT.)				5"	1.04
				6"	1.50
				8"	2.60
VOLUME OF 3 CASINGS:			<u>22.5378</u>		

PARAMETERS	ACCUMULATED VOLUME PURGED (GALLONS)							
	0 GAL 9:43	3 GAL	5 GAL	10 GAL 10:37				
pH	7.20	7.69	7.20	7.20				
SPEC. COND. (umhos)	0.001	0.002	3.970	3.800				
TURBIDITY (NTU)	578.0	310	>500	>500				
TEMPERATURE (°F) (C)	15.26	15.7	12.1	17.10				
DISSOLVED OXYGEN (mg/L)	12.56	12.56	0.71	5.7				
ORP (mV)	19	25	29.0	42.0				

COMMENTS:
 Stopped at 11gal.

WELL DEVELOPMENT LOG

URS-Diamond

PROJECT TITLE: <u>Rochester Driving Park</u>	WELL NO.: <u>MW-5</u>
PROJECT NO.: _____	
STAFF: <u>Dan Sheldon, Craig Taylor</u>	Start Purge: <u>10:10 AM</u>
DATE(S): <u>9/10/2008</u>	End Purge: <u>10:57 AM</u>

				WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	(Well Depth from TOC)	=	<u>32.95</u>	1"	0.04
2. CASING INTERNAL DIAMETER (IN.)		=	<u>3.00</u>	2"	0.17
3. WATER LEVEL BELOW TOP OF CASING (FT.)		=	<u>18.42</u>	3"	0.38
4. VOLUME OF WATER IN CASING (GAL)		=	<u>5.52</u>	4"	0.66
(#1 -# 3) X #2 (GAL/FT.)				5"	1.04
				6"	1.50
				8"	2.60
VOLUME OF 3 CASINGS:			<u>16.5642</u>		

PARAMETERS	ACCUMULATED VOLUME PURGED (GALLONS)							
	5 GAL 10:10	6 GAL 10:50						
pH	7.73	7.95						
SPEC. COND. (umhos)	3.870	3.66						
TURBIDITY (NTU)	>1000	>1000						
TEMPERATURE (°F) (C)	15.7	16.1						
DISSOLVED OXYGEN (mg/L)	9.13	8.79						
ORP (mV)	28	19						

COMMENTS:
 Stopped at 7gal.

WELL DEVELOPMENT LOG

URS-Diamond

PROJECT TITLE: <u>Rochester Driving Park</u>	WELL NO.: <u>MW-6</u>
PROJECT NO.: _____	
STAFF: <u>Dan Sheldon, Craig Taylor</u>	Start Purge: <u>3:43 PM</u>
DATE(S): <u>9/10/2008</u>	End Purge: <u>4:03 PM</u>

				WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	(Well Depth from TOC)	=	<u>27.48</u>	1"	0.04
2. CASING INTERNAL DIAMETER (IN.)		=	<u>3.00</u>	2"	0.17
3. WATER LEVEL BELOW TOP OF CASING (FT.)		=	<u>20.88</u>	3"	0.38
4. VOLUME OF WATER IN CASING (GAL)		=	<u>2.51</u>	4"	0.66
(#1 -# 3) X #2 (GAL/FT.)				5"	1.04
				6"	1.50
				8"	2.60
VOLUME OF 3 CASINGS:			<u>7.524</u>		

PARAMETERS	ACCUMULATED VOLUME PURGED (GALLONS)							
	0 GAL 15:46	3 GAL	6 GAL	9 GAL	12 GAL	15 GAL	18 GAL 16:03	
pH	7.26	7.27	7.30	7.30	7.30	7.21	7.23	
SPEC. COND. (umhos)	1.77	1.66	1.70	1.69	1.73	1.71	1.71	
TURBIDITY (NTU)	776.0	504	641.0	677.0	500.0	506	610	
TEMPERATURE (°F) (C)	14.20	14.09	13.90	13.80	13.90	13.80	14.00	
DISSOLVED OXYGEN (mg/L)	5.54	7.47	6.76	7.03	6.45	14.70	12.30	
ORP (mV)	43	44	43	42	49	44	40	

COMMENTS:
 Stopped at 18 gallons.

WELL DEVELOPMENT LOG

URS-Diamond

PROJECT TITLE: <u>Rochester Driving Park</u>	WELL NO.: <u>MW-7</u>
PROJECT NO.: _____	
STAFF: <u>Dan Sheldon, Craig Taylor</u>	Start Purge: <u>10:57 AM</u>
DATE(S): <u>9/10/2008</u>	End Purge: <u>1:32 PM</u>

				WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	(Well Depth from TOC)	=	<u>27.30</u>	1"	0.04
2. CASING INTERNAL DIAMETER (IN.)		=	<u>3.00</u>	2"	0.17
3. WATER LEVEL BELOW TOP OF CASING (FT.)		=	<u>20.88</u>	3"	0.38
4. VOLUME OF WATER IN CASING (GAL)		=	<u>2.44</u>	4"	0.66
(#1 -# 3) X #2 (GAL/FT.)				5"	1.04
				6"	1.50
				8"	2.60
VOLUME OF 3 CASINGS:			<u>7.3188</u>		

PARAMETERS	ACCUMULATED VOLUME PURGED (GALLONS)							
	0 GAL 12:31	3 GAL 13:30						
pH	7.56	7.44						
SPEC. COND. (umhos)	1.610	1.84						
TURBIDITY (NTU)	704.0	>1000						
TEMPERATURE (°F) (C)	15.9	16.3						
DISSOLVED OXYGEN (mg/L)	9.94	10.6						
ORP (mV)	38	42						

COMMENTS:
 Stopped at 3 gal.

WELL DEVELOPMENT LOG

URS-Diamond

PROJECT TITLE: <u>Rochester Driving Park</u>	WELL NO.: <u>MW-7</u>
PROJECT NO.: _____	
STAFF: <u>Dan Sheldon, Craig Taylor</u>	Start Purge: <u>9:11 AM</u>
DATE(S): <u>9/11/2008</u>	End Purge: <u>9:35 AM</u>

				WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	(Well Depth from TOC)	=	<u>27.30</u>	1"	0.04
2. CASING INTERNAL DIAMETER (IN.)		=	<u>3.00</u>	2"	0.17
3. WATER LEVEL BELOW TOP OF CASING (FT.)		=	<u>20.88</u>	3"	0.38
4. VOLUME OF WATER IN CASING (GAL)		=	<u>2.44</u>	4"	0.66
(#1 -# 3) X #2 (GAL/FT.)				5"	1.04
				6"	1.50
				8"	2.60
VOLUME OF 3 CASINGS:			<u>7.3188</u>		

PARAMETERS	ACCUMULATED VOLUME PURGED (GALLONS)							
	3.2 GAL 9:11	5 GAL 9:20	6 GAL 9:34					
pH	9.52	7.54	7.61					
SPEC. COND. (umhos)	2.440	2.15	1.870					
TURBIDITY (NTU)	709.0	679	>1000					
TEMPERATURE (°F) (C)	14.5	15.9	16.3					
DISSOLVED OXYGEN (mg/L)	7.01	13.2	9.62					
ORP (mV)	12	7	13.0					

COMMENTS:
 Stopped at 6 gallons.

WELL DEVELOPMENT LOG

URS-Diamond

PROJECT TITLE: <u>Rochester Driving Park</u>	WELL NO.: <u>MW-9</u>
PROJECT NO.: _____	
STAFF: <u>Dan Sheldon, Craig Taylor</u>	Start Purge: <u>4:10 PM</u>
DATE(S): <u>9/10/2008</u>	End Purge: <u>4:39 PM</u>

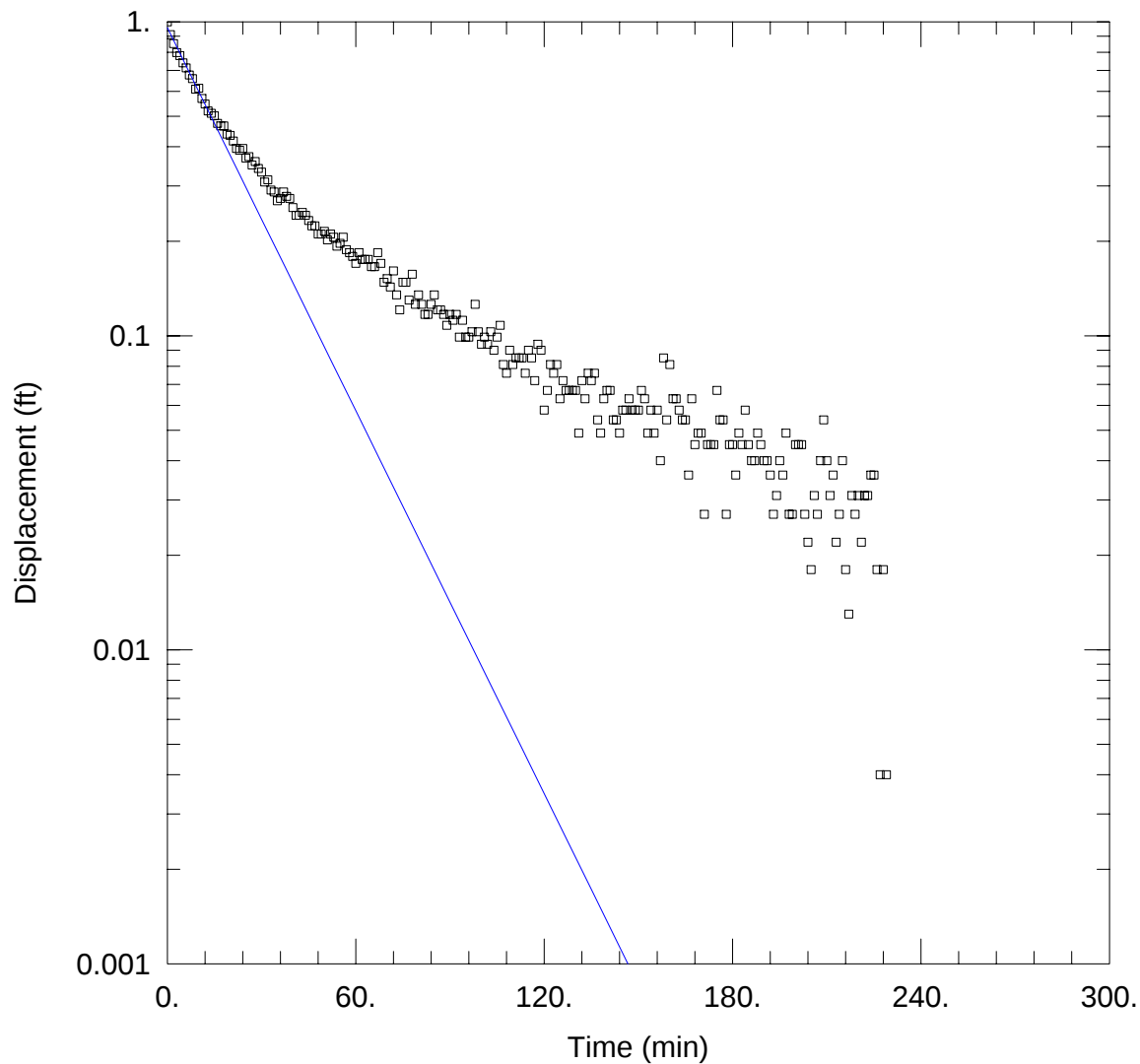
				WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	(Well Depth from TOC)	=	<u>22.58</u>	1"	0.04
2. CASING INTERNAL DIAMETER (IN.)		=	<u>3.00</u>	2"	0.17
3. WATER LEVEL BELOW TOP OF CASING (FT.)		=	<u>17.95</u>	3"	0.38
4. VOLUME OF WATER IN CASING (GAL)		=	<u>1.76</u>	4"	0.66
(#1 -# 3) X #2 (GAL/FT.)				5"	1.04
				6"	1.50
				8"	2.60
VOLUME OF 3 CASINGS:			<u>5.2782</u>		

PARAMETERS	ACCUMULATED VOLUME PURGED (GALLONS)							
	0 GAL 16:18	3 GAL	5 GAL	8 GAL	11 GAL	14 GAL	17 GAL 16:39	
pH	7.90	7.31	7.27	7.16	7.10	7.06	7.10	
SPEC. COND. (umhos)	1.89	1.47	1.44	1.39	1.35	1.31	1.54	
TURBIDITY (NTU)	633.0	911	775.0	668.0	807.0	753	844	
TEMPERATURE (°F) (C)	14.50	14.50	14.40	14.40	14.30	14.30	14.20	
DISSOLVED OXYGEN (mg/L)	9.43	12.70	9.29	5.04	3.60	3.53	5.14	
ORP (mV)	19	17	32	35	40	53	42	

COMMENTS:
 Stopped at 17 gallons.

Appendix I

Hydraulic Conductivity Results



WELL TEST ANALYSIS

Data Set: C:\...\MW-09r1.aqt

Date: 01/30/09

Time: 13:31:13

PROJECT INFORMATION

Company: DuPont CRG

Test Location: Rochester Driving Park

Test Well: MW-09

Test Date: 2008-10

AQUIFER DATA

Saturated Thickness: 4.73 ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-09)

Initial Displacement: 1. ft

Wellbore Radius: 0.125 ft

Screen Length: 13. ft

Gravel Pack Porosity: 0.3

Casing Radius: 0.125 ft

Well Skin Radius: 0.125 ft

Total Well Penetration Depth: 13. ft

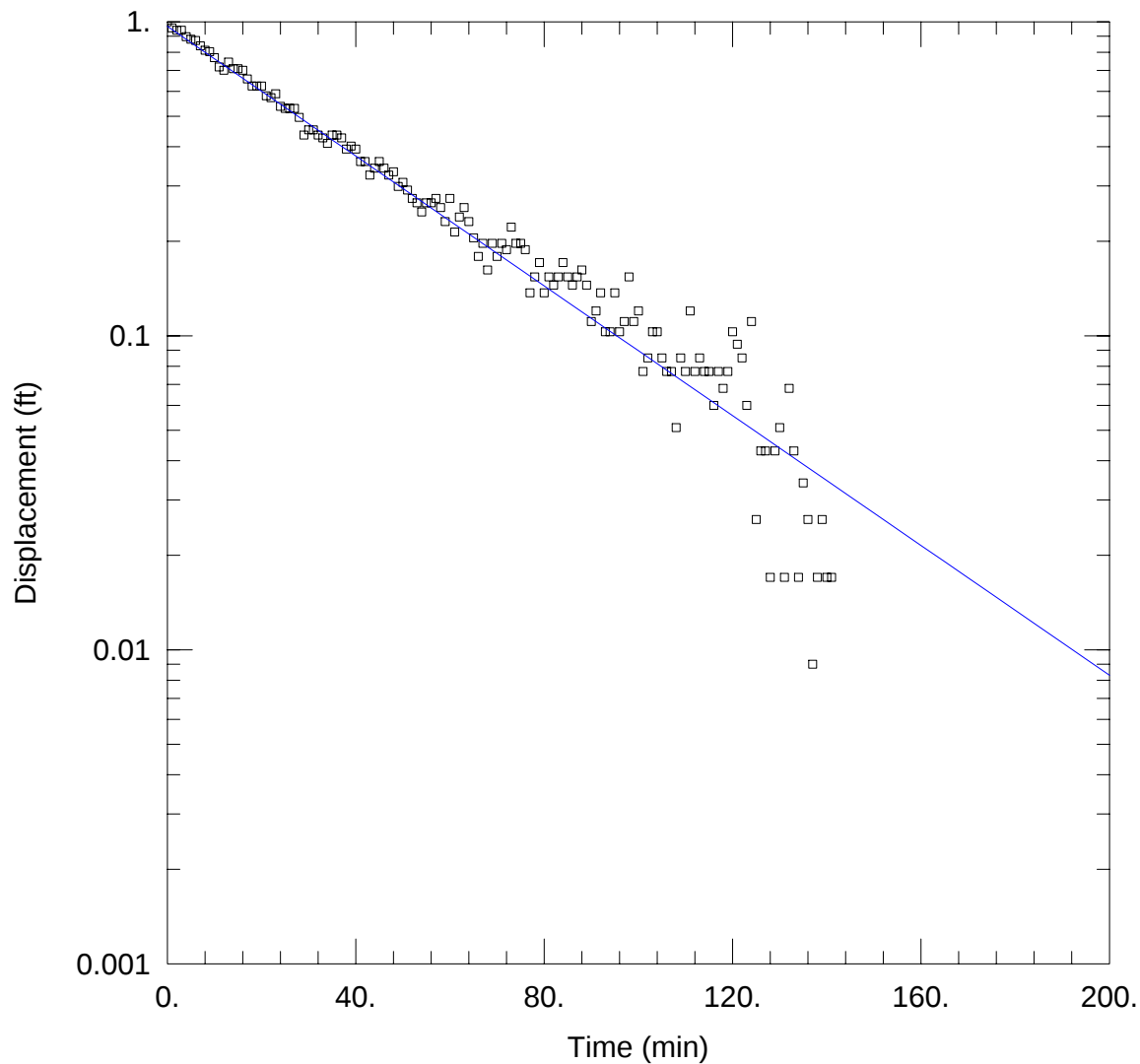
SOLUTION

Aquifer Model: Unconfined

$K = 0.0001006$ ft/min

Solution Method: Bouwer-Rice

$y_0 = 0.9577$ ft



WELL TEST ANALYSIS

Data Set: C:\...\MW-01f1.aqt

Date: 01/30/09

Time: 13:36:10

PROJECT INFORMATION

Company: DuPont CRG

Test Location: Rochester Driving Park

Test Well: MW-01

Test Date: 2008-10

AQUIFER DATA

Saturated Thickness: 13.23 ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-01)

Initial Displacement: 1. ft

Wellbore Radius: 0.125 ft

Screen Length: 10. ft

Gravel Pack Porosity: 0.3

Casing Radius: 0.125 ft

Well Skin Radius: 0.125 ft

Total Well Penetration Depth: 13.23 ft

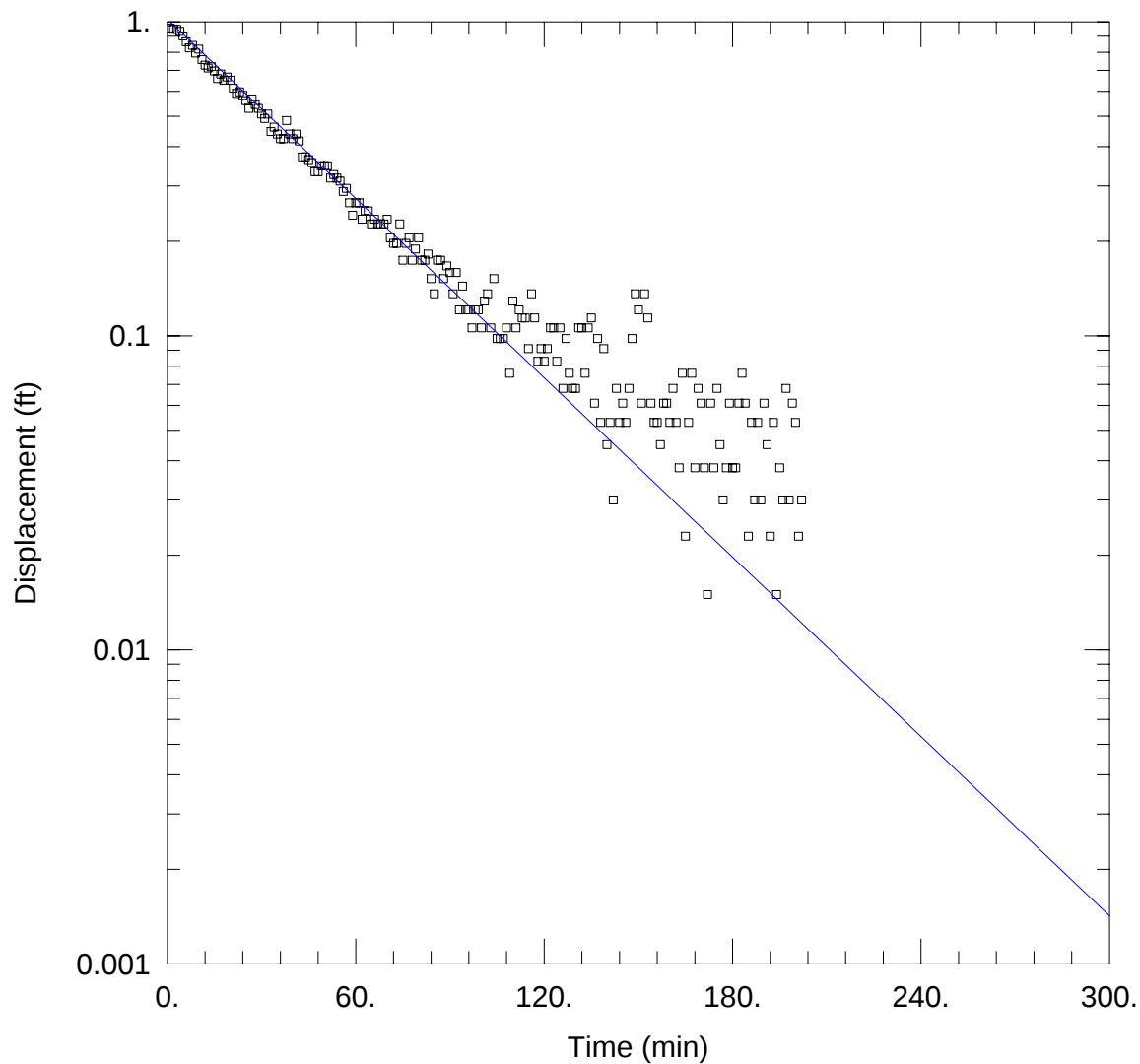
SOLUTION

Aquifer Model: Unconfined

$K = 6.594E-05$ ft/min

Solution Method: Bouwer-Rice

$y_0 = 0.9675$ ft



WELL TEST ANALYSIS

Data Set: C:\...\MW-01r2.aqt

Date: 01/30/09

Time: 13:39:22

PROJECT INFORMATION

Company: DuPont CRG

Test Location: Rochester Driving Park

Test Well: MW-01

Test Date: 2008-10

AQUIFER DATA

Saturated Thickness: 13.23 ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-01)

Initial Displacement: 1. ft

Wellbore Radius: 0.125 ft

Screen Length: 10. ft

Gravel Pack Porosity: 0.3

Casing Radius: 0.125 ft

Well Skin Radius: 0.125 ft

Total Well Penetration Depth: 13.23 ft

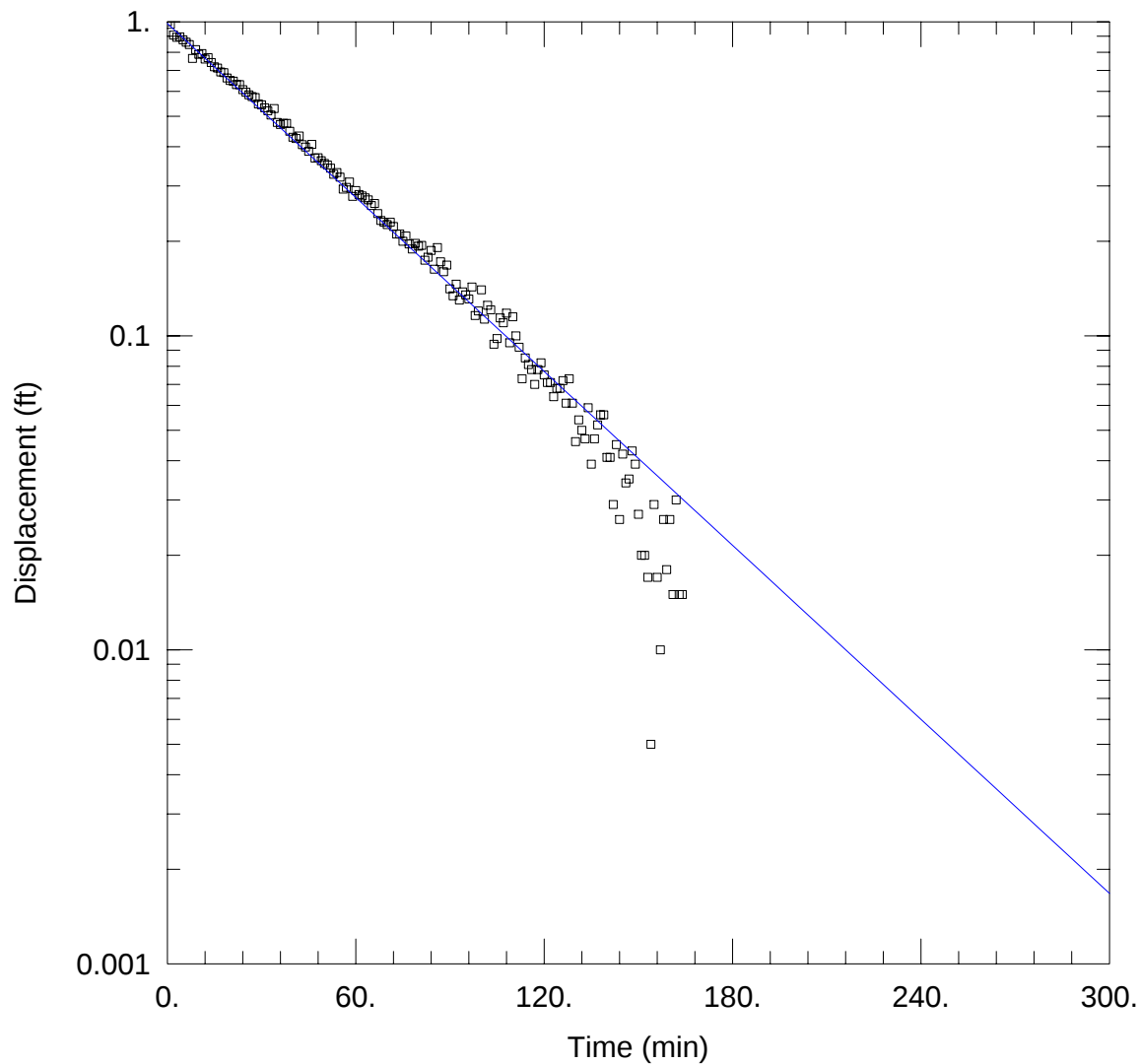
SOLUTION

Aquifer Model: Unconfined

$K = 6.074E-05$ ft/min

Solution Method: Bouwer-Rice

$y_0 = 1.019$ ft



WELL TEST ANALYSIS

Data Set: C:\...\MW-02r1.aqt

Date: 01/30/09

Time: 13:40:31

PROJECT INFORMATION

Company: DuPont CRG

Test Location: Rochester Driving Park

Test Well: MW-02

Test Date: 2008-10

AQUIFER DATA

Saturated Thickness: 9. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-02)

Initial Displacement: 1. ft

Wellbore Radius: 0.125 ft

Screen Length: 10. ft

Gravel Pack Porosity: 0.3

Casing Radius: 0.125 ft

Well Skin Radius: 0.125 ft

Total Well Penetration Depth: 10. ft

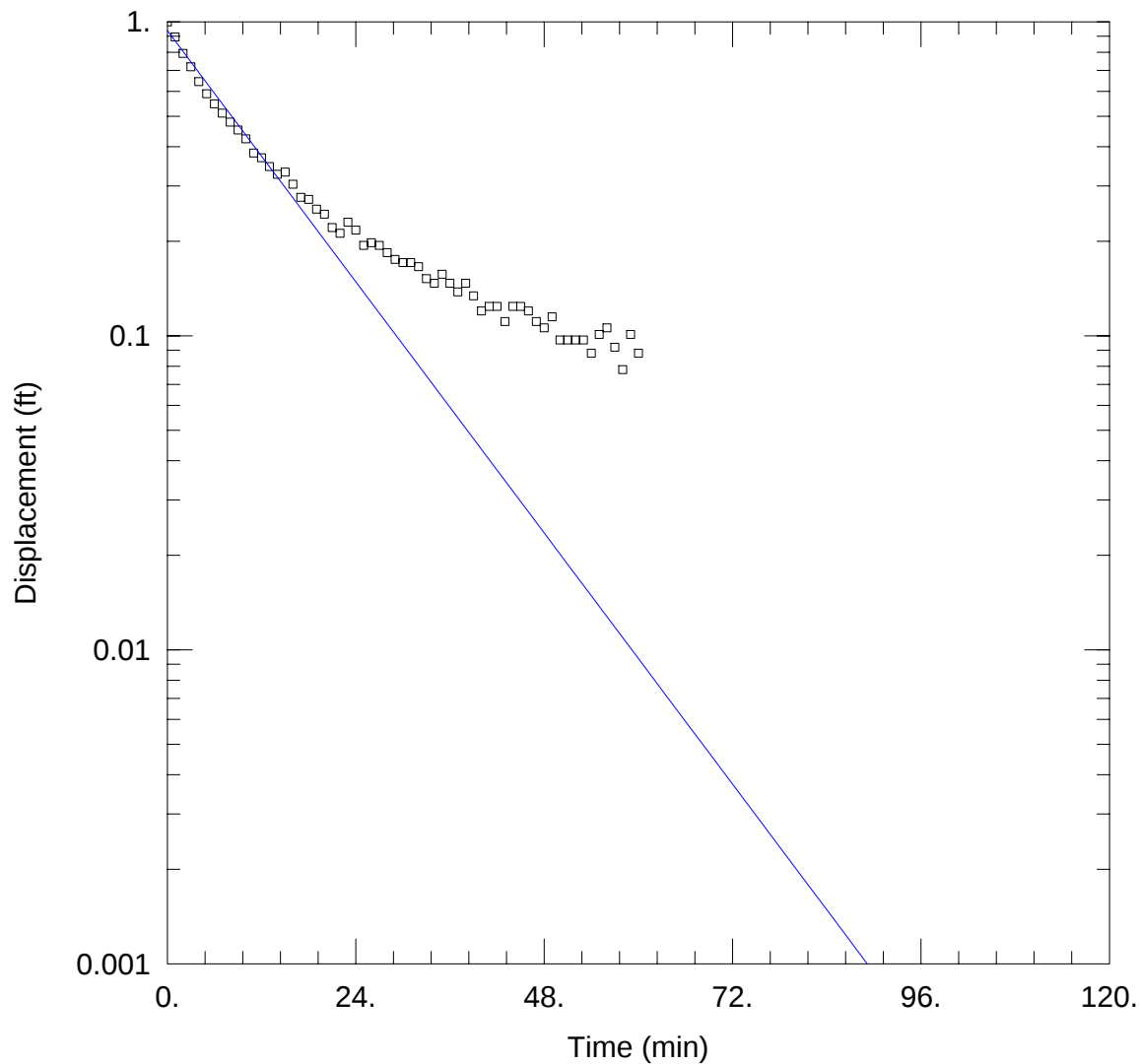
SOLUTION

Aquifer Model: Unconfined

$K = 5.593E-05$ ft/min

Solution Method: Bouwer-Rice

$y_0 = 0.9876$ ft



WELL TEST ANALYSIS

Data Set: C:\...\MW-04r1.aqt

Date: 01/30/09

Time: 13:34:35

PROJECT INFORMATION

Company: DuPont CRG

Test Location: Rochester Driving Park

Test Well: MW-04

Test Date: 2008-10

AQUIFER DATA

Saturated Thickness: 5.71 ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-04)

Initial Displacement: 1. ft

Wellbore Radius: 0.125 ft

Screen Length: 15.5 ft

Gravel Pack Porosity: 0.3

Casing Radius: 0.125 ft

Well Skin Radius: 0.125 ft

Total Well Penetration Depth: 15.5 ft

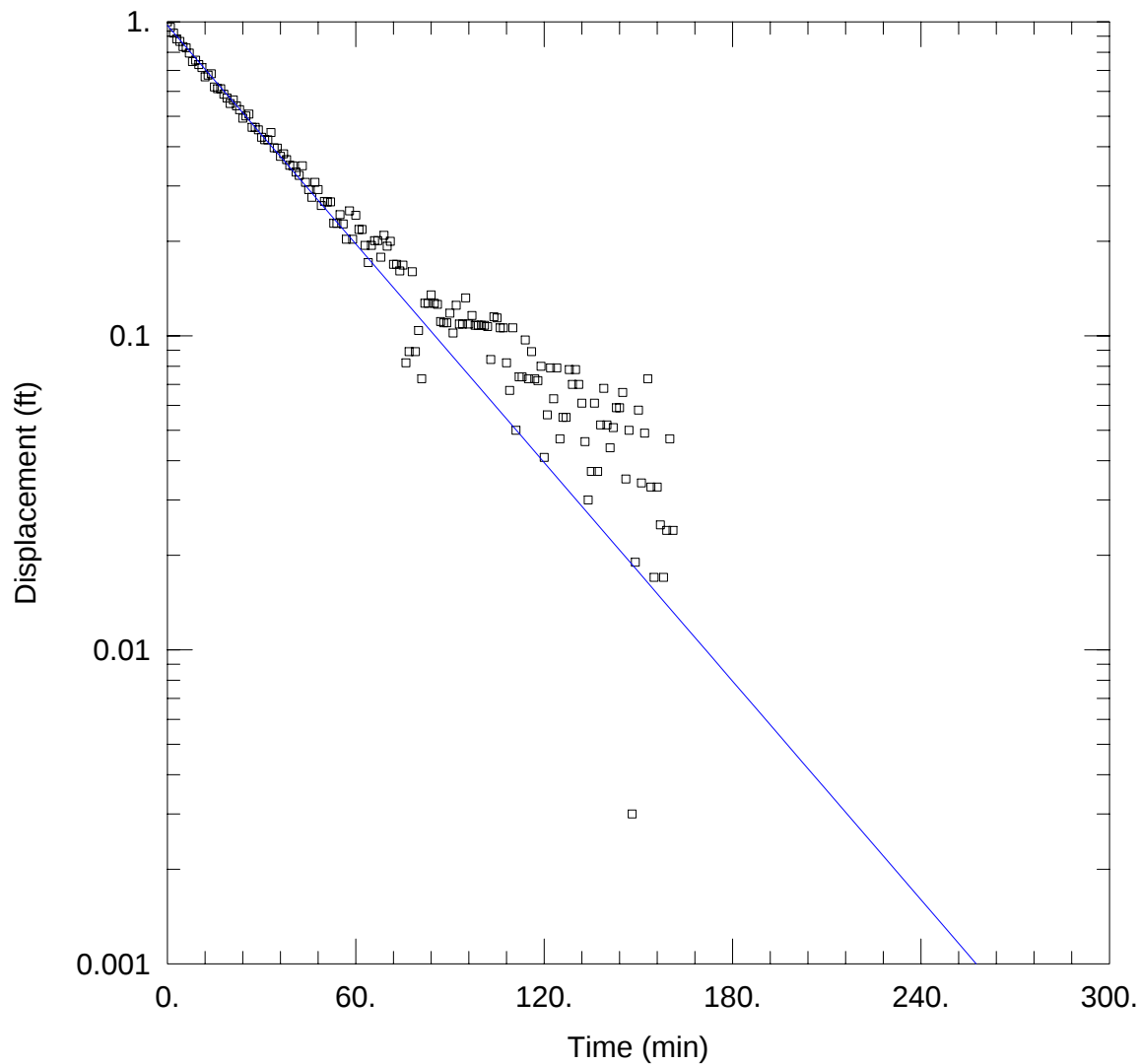
SOLUTION

Aquifer Model: Unconfined

$K = 0.0001439$ ft/min

Solution Method: Bouwer-Rice

$y_0 = 0.9382$ ft



WELL TEST ANALYSIS

Data Set: C:\...\MW-06r1.aqt

Date: 01/30/09

Time: 13:31:36

PROJECT INFORMATION

Company: DuPont CRG

Test Location: Rochester Driving Park

Test Well: MW-06

Test Date: 2008-10

AQUIFER DATA

Saturated Thickness: 6.6 ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-06)

Initial Displacement: 1. ft

Wellbore Radius: 0.125 ft

Screen Length: 10. ft

Gravel Pack Porosity: 0.3

Casing Radius: 0.125 ft

Well Skin Radius: 0.125 ft

Total Well Penetration Depth: 10. ft

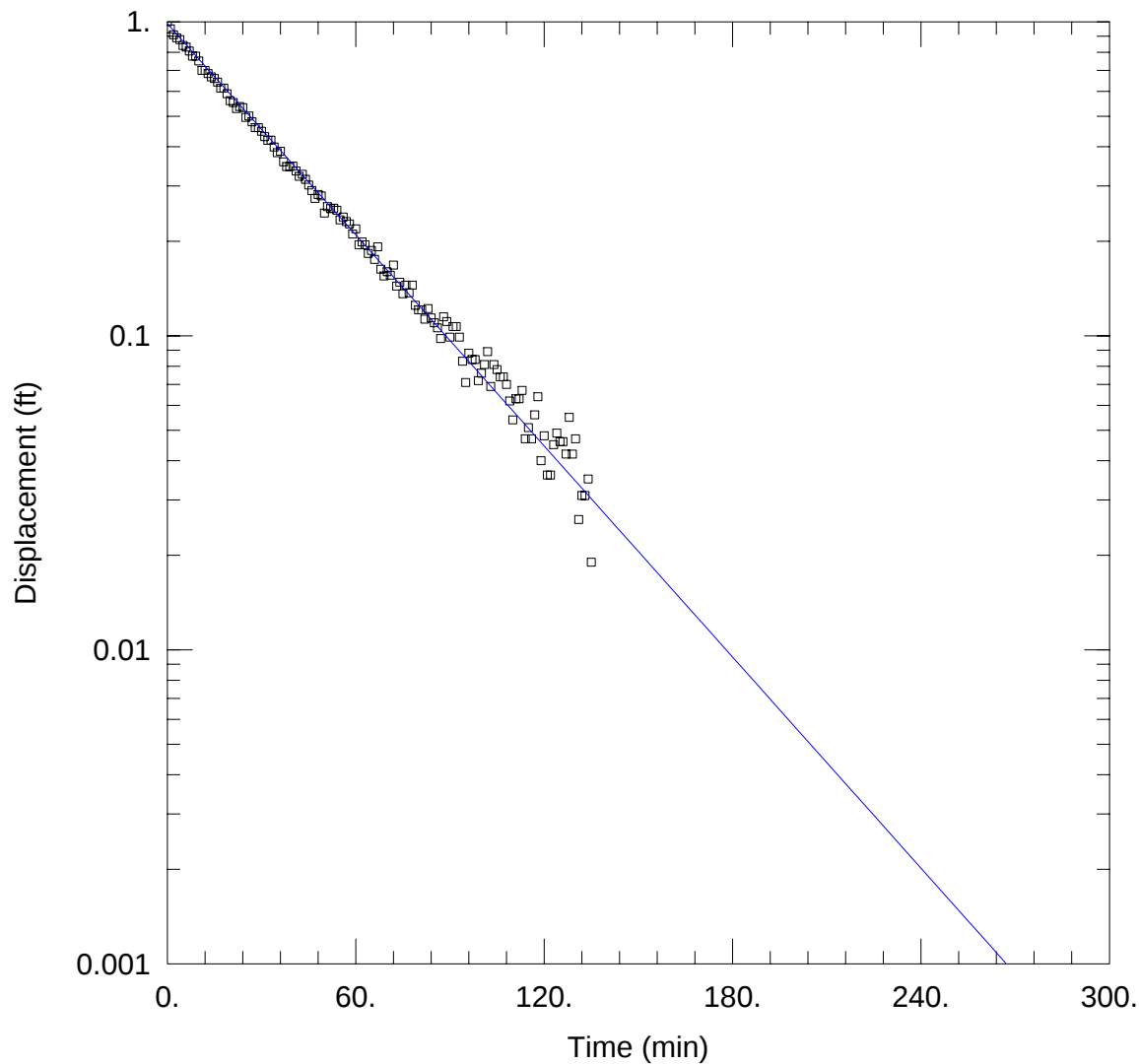
SOLUTION

Aquifer Model: Unconfined

$K = 7.027E-05$ ft/min

Solution Method: Bouwer-Rice

$y_0 = 0.9738$ ft



WELL TEST ANALYSIS

Data Set: C:\...\MW-02r2.aqt

Date: 01/30/09

Time: 13:41:27

PROJECT INFORMATION

Company: DuPont CRG

Test Location: Rochester Driving Park

Test Well: MW-02

Test Date: 2008-10

AQUIFER DATA

Saturated Thickness: 9. ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-02)

Initial Displacement: 1. ft

Wellbore Radius: 0.125 ft

Screen Length: 10. ft

Gravel Pack Porosity: 0.3

Casing Radius: 0.125 ft

Well Skin Radius: 0.125 ft

Total Well Penetration Depth: 10. ft

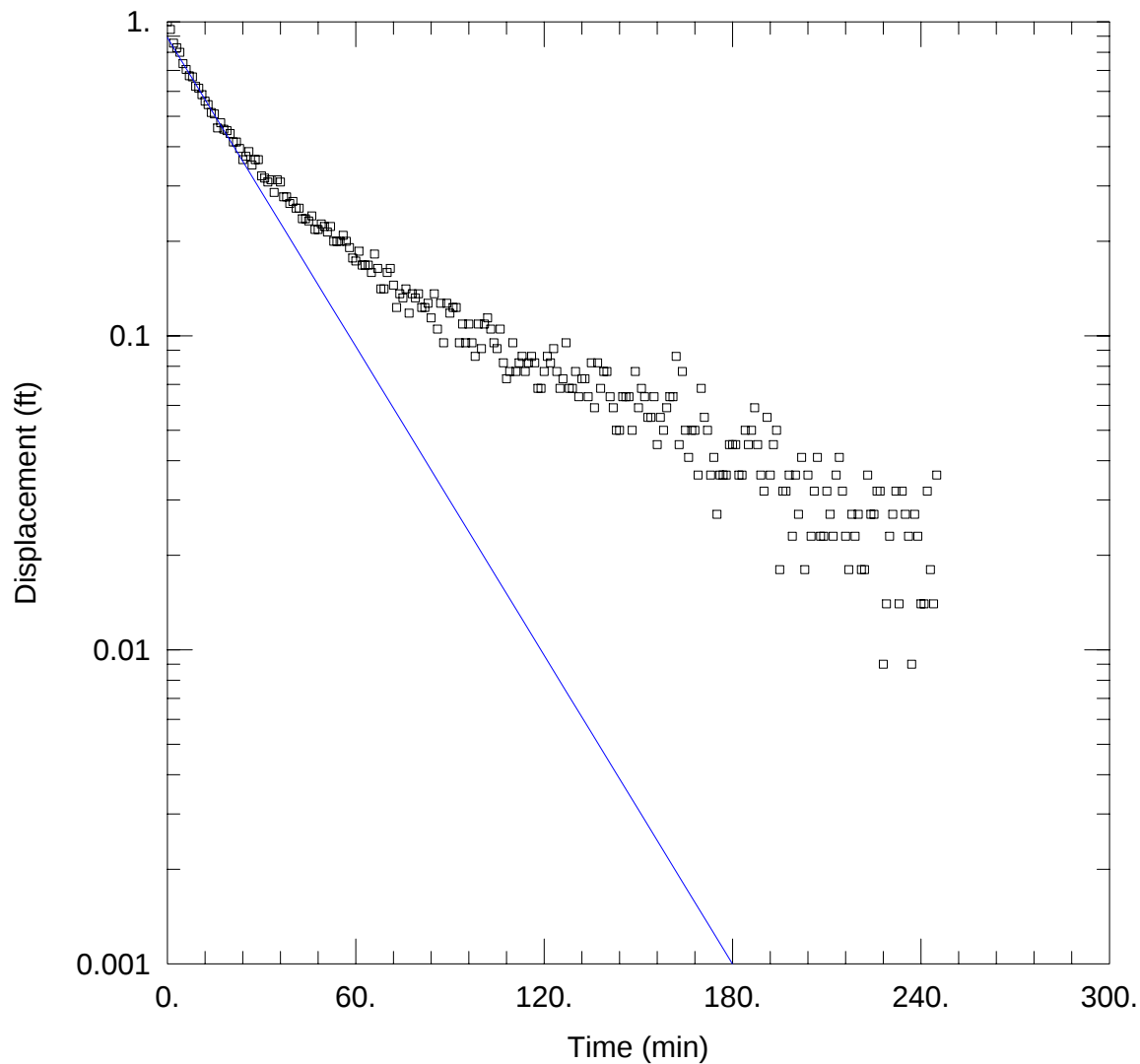
SOLUTION

Aquifer Model: Unconfined

$K = 6.787E-05$ ft/min

Solution Method: Bouwer-Rice

$y_0 = 0.9857$ ft



WELL TEST ANALYSIS

Data Set: C:\...\MW-09r2.aqt

Date: 01/30/09

Time: 13:30:45

PROJECT INFORMATION

Company: DuPont CRG

Test Location: Rochester Driving Park

Test Well: MW-09

Test Date: 2008-10

AQUIFER DATA

Saturated Thickness: 4.73 ft

Anisotropy Ratio (K_z/K_r): 1.

WELL DATA (MW-09)

Initial Displacement: 1. ft

Wellbore Radius: 0.125 ft

Screen Length: 13. ft

Gravel Pack Porosity: 0.3

Casing Radius: 0.125 ft

Well Skin Radius: 0.125 ft

Total Well Penetration Depth: 13. ft

SOLUTION

Aquifer Model: Unconfined

$K = 8.11E-05$ ft/min

Solution Method: Bouwer-Rice

$y_0 = 0.89$ ft

Appendix J

Groundwater Purge and Sampling Logs

WELL PURGE LOG

URS-Diamond

PROJECT TITLE: <u>Rochester Driving Park</u>	WELL NO.: <u>MW-1</u>
PROJECT NO.: _____	
STAFF: <u>Dan Sheldon, Craig Taylor</u>	Start Purge: <u>11:28 AM</u>
DATE(S): <u>9/16/2008</u>	End Purge: _____

				WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	(Well Depth from TOC)	=	<u>27.01</u>	1"	0.04
2. CASING INTERNAL DIAMETER (IN.)		=	<u>3.00</u>	2"	0.17
3. WATER LEVEL BELOW TOP OF CASING (FT.)		=	<u>13.78</u>	3"	0.38
4. VOLUME OF WATER IN CASING (GAL)		=	<u>5.03</u>	4"	0.66
1 - 3 X 2 (GAL/FT.)				5"	1.04
				6"	1.50
				8"	2.60
VOLUME OF 3 CASINGS:			<u>15.0822</u>		

PARAMETERS	ACCUMULATED VOLUME PURGED (GALLONS)							
	2 GAL	5 GAL	6 GAL	7 GAL	8 GAL	8.5 GAL	End Sample	
pH	7.27	7.35	7.31	7.33	7.31	7.30	7.29	
SPEC. COND. (umhos)	1.04	1.14	1.23	1.26	1.24	1.25	1.24	
TURBIDITY (NTU)	>1000	>1000	770	732	698	587	601	
TEMPERATURE (°F) (C)	14.07	14.04	13.81	13.79	13.83	13.83	14.37	
DISSOLVED OXYGEN (mg/L)	3.06	12.52	9.22	6.83	5.21	5.38	4.76	
ORP (mV)	19	0	-3	7	4	8	-3	

COMMENTS:
DTW at end: 13.87 TOC.

WELL PURGE LOG

URS-Diamond

PROJECT TITLE: <u>Rochester Driving Park</u>	WELL NO.: <u>MW-2</u>
PROJECT NO.: _____	
STAFF: <u>Dan Sheldon, Craig Taylor</u>	Start Purge: <u>10:00 AM</u>
DATE(S): <u>9/16/2008</u>	End Purge: <u>10:31 AM</u>

				WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	(Well Depth from TOC)	=	<u>27.39</u>	1"	0.04
2. CASING INTERNAL DIAMETER (IN.)		=	<u>3.00</u>	2"	0.17
3. WATER LEVEL BELOW TOP OF CASING (FT.)		=	<u>18.39</u>	3"	0.38
4. VOLUME OF WATER IN CASING (GAL)		=	<u>3.42</u>	4"	0.66
1 - 3 X 2 (GAL/FT.)				5"	1.04
				6"	1.50
				8"	2.60
VOLUME OF 3 CASINGS:			<u>10.26</u>		

PARAMETERS	ACCUMULATED VOLUME PURGED (GALLONS)							
	1 GAL	2.5 GAL	4 GAL	End Sample				
pH	7.19	7.16	7.19	7.15				
SPEC. COND. (umhos)	1.570	1.57	1.610	1.610				
TURBIDITY (NTU)	727.0	572	504.0	581.0				
TEMPERATURE (°F) (C)	13.76	13.64	13.65	14.48				
DISSOLVED OXYGEN (mg/L)	2.48	2.28	3.72	2.25				
ORP (mV)	-5	-2	-4.0	-4.0				

COMMENTS:

Full volume sample collected at 10:31am.

DTW at end: 18.43 TOC.

WELL PURGE LOG

URS-Diamond

PROJECT TITLE: <u>Rochester Driving Park</u>	WELL NO.: <u>MW-3</u>
PROJECT NO.: _____	
STAFF: <u>Dan Sheldon, Craig Taylor</u>	Start Purge: <u>7:45 AM</u>
DATE(S): <u>9/16/2008</u>	End Purge: <u>8:55 AM</u>

				WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	(Well Depth from TOC)	=	<u>26.86</u>	1"	0.04
2. CASING INTERNAL DIAMETER (IN.)		=	<u>3.00</u>	2"	0.17
3. WATER LEVEL BELOW TOP OF CASING (FT.)		=	<u>21.66</u>	3"	0.38
4. VOLUME OF WATER IN CASING (GAL)		=	<u>1.98</u>	4"	0.66
(#1 -# 3) X #2 (GAL/FT.)				5"	1.04
				6"	1.50
				8"	2.60
VOLUME OF 3 CASINGS:			<u>5.928</u>		

PARAMETERS	ACCUMULATED VOLUME PURGED (GALLONS)							
	0.25 GAL	0.5 GAL	0.75 GAL					
pH	7.76	7.56	7.58					
SPEC. COND. (umhos)	3.95	4.34	4.24					
TURBIDITY (NTU)	566.0	591	551.0					
TEMPERATURE (°F) (C)	13.57	15.19	15.31					
DISSOLVED OXYGEN (mg/L)	8.45	7.98	8.51					
ORP (mV)	14	22	24					

COMMENTS:

Well went dry during sampling at 8:55, DTW 25.55.

Partial volume collected at 8:45.

WELL PURGE LOG

URS-Diamond

PROJECT TITLE: <u>Rochester Driving Park</u>	WELL NO.: <u>MW-4</u>
PROJECT NO.: _____	
STAFF: <u>Dan Sheldon, Craig Taylor</u>	Start Purge: <u>1:43 PM</u>
DATE(S): <u>9/15/2008</u>	End Purge: _____

				WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	(Well Depth from TOC)	=	<u>27.54</u>	1"	0.04
2. CASING INTERNAL DIAMETER (IN.)		=	<u>3.00</u>	2"	0.17
3. WATER LEVEL BELOW TOP OF CASING (FT.)		=	<u>21.83</u>	3"	0.38
4. VOLUME OF WATER IN CASING (GAL)		=	<u>2.17</u>	4"	0.66
(#1 -# 3) X #2 (GAL/FT.)				5"	1.04
				6"	1.50
				8"	2.60
VOLUME OF 3 CASINGS:			<u>6.5094</u>		

PARAMETERS	ACCUMULATED VOLUME PURGED (GALLONS)								
	0.5 GAL 13:50	1 GAL 13:53	1.5 GAL 13:56	2 GAL 13:59	2.5 GAL 14:03	After Sample			
pH	7.29	7.37	7.29	7.22	7.22	7.35			
SPEC. COND. (umhos)	2.89	2.69	2.64	2.63	2.55	2.61			
TURBIDITY (NTU)	569.0	581	551.0	510.0	494.0	476			
TEMPERATURE (°F) (C)	14.78	14.61	15.37	16.02	15.95	15.13			
DISSOLVED OXYGEN (mg/L)	3.08	6.23	5.72	4.30	4.29	4.05			
ORP (mV)	-7	-9	-5	-6	-11	12			

COMMENTS:

WELL PURGE LOG

URS-Diamond

PROJECT TITLE: <u>Rochester Driving Park</u>	WELL NO.: <u>MW-5</u>
PROJECT NO.: _____	
STAFF: <u>Dan Sheldon, Craig Taylor</u>	Start Purge: <u>8:15 AM</u>
DATE(S): <u>9/17/2008</u>	End Purge: _____

				WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	(Well Depth from TOC)	=	<u>32.95</u>	1"	0.04
2. CASING INTERNAL DIAMETER (IN.)		=	<u>3.00</u>	2"	0.17
3. WATER LEVEL BELOW TOP OF CASING (FT.)		=	<u>17.79</u>	3"	0.38
4. VOLUME OF WATER IN CASING (GAL)		=	<u>5.76</u>	4"	0.66
(#1 -# 3) X #2 (GAL/FT.)				5"	1.04
				6"	1.50
				8"	2.60
VOLUME OF 3 CASINGS:			<u>17.2824</u>		

PARAMETERS	ACCUMULATED VOLUME PURGED (GALLONS)							
	End Sample							
pH	7.74							
SPEC. COND. (umhos)	3.720							
TURBIDITY (NTU)	>1000							
TEMPERATURE (°F) (C)	13.83							
DISSOLVED OXYGEN (mg/L)	7.06							
ORP (mV)	30							

COMMENTS:
 DTW at end: 23.31 TOC.

WELL PURGE LOG

URS-Diamond

PROJECT TITLE: <u>Rochester Driving Park</u>	WELL NO.: <u>MW-6</u>
PROJECT NO.: _____	
STAFF: <u>Dan Sheldon, Craig Taylor</u>	Start Purge: <u>2:35 PM</u>
DATE(S): <u>9/15/2008</u>	End Purge: <u>2:55 PM</u>

				WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	(Well Depth from TOC)	=	<u>27.48</u>	1"	0.04
2. CASING INTERNAL DIAMETER (IN.)		=	<u>3.00</u>	2"	0.17
3. WATER LEVEL BELOW TOP OF CASING (FT.)		=	<u>20.79</u>	3"	0.38
4. VOLUME OF WATER IN CASING (GAL)		=	<u>2.54</u>	4"	0.66
(#1 -# 3) X #2 (GAL/FT.)				5"	1.04
				6"	1.50
				8"	2.60
VOLUME OF 3 CASINGS:			<u>7.6266</u>		

PARAMETERS	ACCUMULATED VOLUME PURGED (GALLONS)							
	0.5 GAL 14:40	1 GAL	2 GAL	After Sample				
pH	7.23	7.17	7.10	7.20				
SPEC. COND. (umhos)	1.82	1.78	1.73	1.67				
TURBIDITY (NTU)	587.0	579	556.0	486.0				
TEMPERATURE (°F) (C)	14.21	14.48	14.80	15.05				
DISSOLVED OXYGEN (mg/L)	3.69	3.75	3.58	5.10				
ORP (mV)	10	15	16	-1				

COMMENTS:

WELL PURGE LOG

URS-Diamond

PROJECT TITLE: <u>Rochester Driving Park</u>	WELL NO.: <u>MW-6</u>
PROJECT NO.: _____	
STAFF: <u>Dan Sheldon, Craig Taylor</u>	Start Purge: <u>8:16 AM</u>
DATE(S): <u>9/18/2008</u>	End Purge: <u>8:55 AM</u>

				WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	(Well Depth from TOC)	=	<u>27.48</u>	1"	0.04
2. CASING INTERNAL DIAMETER (IN.)		=	<u>3.00</u>	2"	0.17
3. WATER LEVEL BELOW TOP OF CASING (FT.)		=	<u>20.79</u>	3"	0.38
4. VOLUME OF WATER IN CASING (GAL)		=	<u>2.54</u>	4"	0.66
(#1 -# 3) X #2 (GAL/FT.)				5"	1.04
				6"	1.50
				8"	2.60
VOLUME OF 3 CASINGS:			<u>7.6266</u>		

PARAMETERS	ACCUMULATED VOLUME PURGED (GALLONS)							
	0.5 GAL 14:40	0.75 GAL	1 GAL	After Sample				
pH	7.40	7.50	7.30	7.16				
SPEC. COND. (umhos)	1.82	1.74	1.73	1.68				
TURBIDITY (NTU)	NA	690	822.0	576.0				
TEMPERATURE (°F) (C)	14.19	14.28	14.48	14.36				
DISSOLVED OXYGEN (mg/L)	6.71	9.52	6.72	5.95				
ORP (mV)	7	4	10	8				

COMMENTS:

WELL PURGE LOG

URS-Diamond

PROJECT TITLE: <u>Rochester Driving Park</u>	WELL NO.: <u>MW-7</u>
PROJECT NO.: _____	
STAFF: <u>Dan Sheldon, Craig Taylor</u>	Start Purge: <u>9:02 AM</u>
DATE(S): <u>9/11/2008</u>	End Purge: <u>9:36 AM</u>

				WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	(Well Depth from TOC)	=	<u>27.30</u>	1"	0.04
2. CASING INTERNAL DIAMETER (IN.)		=	<u>3.00</u>	2"	0.17
3. WATER LEVEL BELOW TOP OF CASING (FT.)		=	<u>20.51</u>	3"	0.38
4. VOLUME OF WATER IN CASING (GAL)		=	<u>2.58</u>	4"	0.66
(#1 -# 3) X #2 (GAL/FT.)				5"	1.04
				6"	1.50
				8"	2.60
VOLUME OF 3 CASINGS:			<u>7.7406</u>		

PARAMETERS	ACCUMULATED VOLUME PURGED (GALLONS)							
	0.1 GAL 9:06	0.25 GAL 9:09	0.75 GAL 9:20					
pH	7.71	7.69	7.70					
SPEC. COND. (umhos)	2.37	2.20	2.14					
TURBIDITY (NTU)	735	608	616.0					
TEMPERATURE (°F) (C)	15.24	14.63	14.64					
DISSOLVED OXYGEN (mg/L)	7.87	9.82	9.77					
ORP (mV)	16.0	17.0	20.0					

COMMENTS:

Collect full volume sample at 9:30am.

DTW at end: 24.43' TOC.

WELL PURGE LOG

URS-Diamond

PROJECT TITLE: Rochester Driving Park

WELL NO.: MW-9

PROJECT NO.: _____

STAFF: Dan Sheldon, Craig Taylor

Start Purge: 8:13 AM

DATE(S): 9/15/2008

End Purge: 12:20 PM

				WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	(Well Depth from TOC)	=	<u>22.58</u>	1"	0.04
2. CASING INTERNAL DIAMETER (IN.)		=	<u>3.00</u>	2"	0.17
3. WATER LEVEL BELOW TOP OF CASING (FT.)		=	<u>17.75</u>	3"	0.38
4. VOLUME OF WATER IN CASING (GAL)		=	<u>1.84</u>	4"	0.66
(#1 -# 3) X #2 (GAL/FT.)				5"	1.04
				6"	1.50
				8"	2.60
VOLUME OF 3 CASINGS:			<u>5.5062</u>		

PARAMETERS	ACCUMULATED VOLUME PURGED (GALLONS)							
	2.5 GAL 8:29	5 GAL 8:41	7.5 GAL 8:52	10 GAL 9:06	12.5 GAL 9:18	SAMPLE 11:00	End 12:20	
pH	7.37	7.09	7.12	7.05	7.38	7.43	7.47	
SPEC. COND. (umhos)	1.51	1.41	1.39	1.38	1.36	1.55	1.36	
TURBIDITY (NTU)	529.0	491	486.0	483.0	481.0	485	476	
TEMPERATURE (°F) (C)	16.02	15.76	15.73	16.00	15.93	16.10	16.90	
DISSOLVED OXYGEN (mg/L)	4.96	6.08	6.70	4.29	8.20	6.90	13.50	
ORP (mV)	38	47	44	42	39	7	36	

COMMENTS:

Appendix K

Supporting Data Tables for the Qualitative Exposure Assessment

APPENDIX 3C

Fish and Wildlife Resources Impact Analysis Decision Key

		If YES Go to:	If NO Go to:
1.	Is the site or area of concern a discharge or spill event?	13.	2.
2.	Is the site or area of concern a point source of contamination to the groundwater which will be prevented from discharging to surface water? Soil contamination is not widespread, or if widespread, is confined under buildings and paved areas.	13.	3
3.	Is the site and all adjacent property a developed area with buildings, paved surfaces and little or no vegetation?	4.	9.
4.	Does the site contain habitat of an endangered, threatened or special concern species?	Section 3.10.1	5.
5.	Has the contamination gone off site?	6.	14.
6.	Is there any discharge or erosion of contamination to surface water or the potential for discharge or erosion of contamination?	7.	14.
7.	Are the site contaminants PCBs, pesticides or other persistent, bioaccumulable substances?	Section 3.10.1	8.
8.	Does contamination exist at concentrations that could exceed SCGs or be toxic to aquatic life if discharged to surface water?	Section 3.10.1	14.
9.	Does the site or any adjacent or downgradient property contain any of the following resources? a. Any endangered, threatened or special concern species or rare plants or their habitat b. Any NYSDEC designated significant habitats or rare NYS Ecological Communities c. Tidal or freshwater wetlands d. Stream, creek or river e. Pond, lake, lagoon f. Drainage ditch or channel g. Other surface water feature h. Other marine or freshwater habitat i. Forest j. Grassland or grassy field k. Parkland or woodland l. Shrubby area m. Urban wildlife habitat n. Other terrestrial habitat	11.	10.
10.	Is the lack of resources due to the contamination?	Section 3.10.1	14.
11.	Is the contamination a localized source which has not migrated and will not migrate from the source to impact any on-site or off-site resources?	14.	12.
12.	Does the site have widespread soil contamination that is not confined under and around buildings or paved areas?	Section 3.10.1	13.
13.	Does the contamination at the site or area of concern have the potential to migrate to, erode into or otherwise impact any on-site or off-site habitat of endangered, threatened or special concern species or other fish and wildlife resource? (See #9 for list of potential resources. Contact NYSDEC for information regarding endangered species.)	Section 3.10.1	14.
14.	No Fish and Wildlife Resources Impact Analysis needed.		

Appendix L

Site Photographs



PHOTOGRAPHIC LOG

Client Name:

DuPont

Site Location:

DuPont 666 Driving Park Site

Project No.

18983731.07008

Photo No.

1

Date:

08/14/07

**Direction Photograph
Taken:** Northwest

Description:

Looking northwest
across the former
parking lot



PHOTOGRAPHIC LOG

Client Name:

DuPont

Site Location:

DuPont 666 Driving Park Site

Project No.

18983731.07008

Photo No.

2

Date:

08/14/07

**Direction Photograph
Taken:** South

Description:

This is the Parking
Lot, looking south.





PHOTOGRAPHIC LOG

Client Name: DuPont		Site Location: DuPont 666 Driving Park Site	Project No. 18983731.07008
Photo No. 3	Date: 08/14/07		
Direction Photograph Taken: North			
Description: Western property boundary with active rail line in background.			



PHOTOGRAPHIC LOG

Client Name: DuPont		Site Location: DuPont 666 Driving Park Site	Project No. 18983731.07008
Photo No. 4	Date: 08/14/07		
Direction Photograph Taken: NA			
Description: This is the northern tip of the property, formerly a driveway.			



PHOTOGRAPHIC LOG

Client Name: DuPont		Site Location: DuPont 666 Driving Park Site	Project No. 18983731.07008
Photo No. 5	Date: 08/14/07		
Direction Photograph Taken: North			
Description: Southern portion of the site with gravel area where buildings were demolished.			



PHOTOGRAPHIC LOG

Client Name: DuPont		Site Location: DuPont 666 Driving Park Site	Project No. 18983731.07008
Photo No. 6	Date: 08/14/07		
Direction Photograph Taken: Southwest			
Description: Maintained landscape along Driving Park Road.			



PHOTOGRAPHIC LOG

Client Name:

DuPont

Site Location:

DuPont 666 Driving Park Site

Project No.

18983731.07008

Photo No.

7

Date:

08/14/07

**Direction Photograph
Taken:** NA

Description:

Property Entrance
Gate, surrounding
land use, as seen in
the background, is
industrial,
commercial, and
residential.

