

**APPENDIX D**

**SLUG TEST LOGS AND SOLUTIONS**

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**RAMSDELL QUARRY PHASE I RI SLUG TEST SUMMARY**

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**Ramsdell Quarry Landfill Phase I Slug Test Summary Table**

<b>Monitoring Well ID</b>	<b>Depth to Water (ft BTOC)</b>	<b>Screened Interval (ft BGS)</b>	<b>Lithology in Screened Interval</b>	<b>Slug in/Slug out</b>	<b>Slug Test Determined Hydraulic Conductivity (ft/day)</b>	<b>Slug Test Determined Hydraulic Conductivity (cm/sec)</b>
MW-012	19.41	19.8-29.8	Fracture with iron staining	In	9.58E+00	3.0E-03
				Out	7.53E+00	3.0E-03
MW-013	23.05	23.7-33.7	Fine grained sandstone	In	4.12E+00	1.0E-03
				Out	3.82E+00	1.0E-03
MW-014	17.78	18.57-28.57	Fine to medium grained sandstone	In	4.76E+00	2.0E-03
				Out	4.50E+00	2.0E-03
MW-015	28.60	29.17-39.17	Fracture with some iron staining	In	2.74E+00	1.0E-03
				Out	2.77E+00	1.0E-03
MW-016	33.68	28.5-38.5	Fine grained sandstone	In	NA	
				Out	1.68E+00 8.85E+00*	3.0E-03
MW-017	27.91	19.78-29.78	Fine to medium grained sandstone	In	NA	
				Out	2.67E+00 1.15E+01	4.0E-03

NA = unable to generate K value as the water level was below the top of the well screen.

\* = corrected for partially submerged screen.

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### SLUG TEST RECORD

**PROJECT NAME:** Ramsdell Quarry Phase I RI

**DELIVERY ORDER NO:** CY11

WELL NO: RQLmw φ13      DATE STARTED: φ1/13/φ4      DATE COMPLETED: φ1/13/φ4  
 LOCATION: RQL - on Ramsdell Rd      RECORDED BY: Kelly V J

#### EQUIPMENT INFORMATION SUMMARY

EQUIPMENT TYPE	MANUFACTURER	MODEL	SERIAL NO.	RANGE (PSI)	LAST CALIB.
DATA LOGGER	IN-SITU HERMIT	1000 C	15φ49	—	φ1/13/φ4
TRANSDUCER	IN SITU	PXD-260	151φ3	—	φ1/13/φ4
WATER LEVEL	HERON DIPPER T	DIPPER T	—	—	—

#### PRETEST DATA

REFERENCE POINT	<u>TOC</u>	REFERENCE POINT ELEVATION	—	RISER CASING I.D. (IN.)	<u>2"</u>
SCREEN OR OPEN HOLE I.D. (IN.)	<u>2"</u>	DIAMETER OF BOREHOLE (IF SCREENED)		<u>8" (6" at depth)</u>	
	FT BRP	MSL		FT BRP	MSL
TOTAL WELL DEPTH	<u>36.4φ'</u>	—	TOP OF FILTER PACK	<u>19.8' bgs</u>	—
DEPTH TO WATER	<u>23.φ5'</u>	—	TOP OF SCREEN OR OPEN HOLE	<u>23.7' bgs</u>	—
HEIGHT OF WATER COLUMN	<u>13.35</u>	—	SCREEN LENGTH	<u>1φ.φ'</u>	—
TEST INTERVAL TYPE	—				

#### TEST METHODS SUMMARY

TEST METHOD	SLUG IN (FALLING HEAD) <input type="checkbox"/>	SLUG OUT (RISING HEAD) <input checked="" type="checkbox"/>
SLUG DIMENSIONS	<u>1" x 3'</u>	SLUG VOL (GAL) <u>165</u> SLUG DEPTH (FT) <u>—</u>
<u>0.12 SRA 6/2/05</u>		

#### DATA LOGGER RECORDS

DATA LOGGER TEST NO.	FILE NAME	DATE (MM/DD/YY)		DATE (HH:MM:SS)		DEPTH TO TRANSDUCER (FT BRP)	DEPTH TO WATER (FT BRP)		HEIGHT OF WATER COLUMN (FT)	
		BEGIN	END	BEGIN	END		BEGIN	END	BEGIN	END
<u>1</u>	<u>RQL-φ13 in</u>	<u>φ1/13/φ4</u>	<u>φ1/13/φ4</u>	<u>11φ2</u>	<u>1123</u>	<u>36.3'</u>	<u>23.φ5</u>	<u>23.φ5</u>	<u>13.35</u>	<u>13.35</u>
<u>2</u>	<u>RQL-φ13 out</u>	<u>φ1/13/φ4</u>	<u>φ1/13/φ4</u>	<u>1127</u>	<u>13φ8</u>	<u>36.3'</u>	<u>23.φ5</u>	<u>23.φ5</u>	<u>13.35</u>	<u>13.35</u>

STORAGE LOCATION OF DATA:    1) DELL LAPTOP      2) —

FILE STRUCTURES	DATA TYPE	FORMAT (1)	UNITS	TEST TIME INTERVAL		COMMENTS
				LOG SCALE	ARITH. SCALE	
COLUMN A				<u>30sec</u>		
COLUMN B						
COLUMN C						

(1) CK - 24 HR CLOCK TIME      H - HEIGHT OF WATER ABOVE TRANSDUCER      E - WATER LEVEL ELEVATION      O - OTHER (EXPLAIN IN REMARKS)  
 ET - ELAPSED TIME      FT BRP - DEPTH TO WATER      P - PRESSURE

DATA CHECK RESULTS:

REMARKS:

DATA RECORDED BY: Kelly V J      DATE 1/13/04      QA CHECK BY: U. Clark      DATE 3/1/04

# SLUG TEST RECORD

**PROJECT NAME:** Ramsdell Quarry Phase I RI

**DELIVERY ORDER NO:** CY11

WELL NO: RQL-mwφ14      DATE STARTED: φ1/13/φ4      DATE COMPLETED: φ1/13/φ4  
 LOCATION: RQL - on Ramsdell Rd      RECORDED BY: Kelly J

### EQUIPMENT INFORMATION SUMMARY

EQUIPMENT TYPE	MANUFACTURER	MODEL	SERIAL NO.	RANGE (PSI)	LAST CALIB.
DATA LOGGER	IN-SITU HERMIT	1000 C	<u>15φ49</u>	—	<u>φ1/13/φ4</u>
TRANSDUCER	IN SITU	PXD-260	<u>14879</u>	—	<u>φ1/13/φ4</u>
WATER LEVEL	<u>HERON</u>	<u>DIPPERT</u>	—	—	—

### PRETEST DATA

REFERENCE POINT <u>TOC</u>	REFERENCE POINT ELEVATION —	RISER CASING I.D. (IN.) <u>2"</u>
SCREEN OR OPEN HOLE I.D.(IN.) <u>2"</u>	DIAMETER OF BOREHOLE (IF SCREENED) <u>8" (6" at depth)</u>	
	FT BRP	MSL
TOTAL WELL DEPTH	<u>31.48'</u>	TOP OF FILTER PACK
DEPTH TO WATER	<u>17.78'</u>	TOP OF SCREEN OR OPEN HOLE
HEIGHT OF WATER COLUMN	<u>13.7φ'</u>	SCREEN LENGTH
TEST INTERVAL TYPE	—	—

### TEST METHODS SUMMARY

TEST METHOD	SLUG IN (FALLING HEAD) <input type="checkbox"/>	SLUG OUT (RISING HEAD) <input checked="" type="checkbox"/>
SLUG DIMENSIONS	<u>1" x 3'</u>	SLUG VOL(GAL) <u>1.05</u>
		SLUG DEPTH(FT) —

0.12 SEA L/2/05

### DATA LOGGER RECORDS

DATA LOGGER TEST NO.	FILE NAME	DATE (MM/DD/YY)		DATE (HH:MM:SS)		DEPTH TO TRANSDUCER (FT BRP)	DEPTH TO WATER (FT BRP)		HEIGHT OF WATER COLUMN (FT)	
		BEGIN	END	BEGIN	END		BEGIN	END	BEGIN	END
<u>1</u>	<u>RQL-φ14 in</u>	<u>φ1/13/φ4</u>	<u>φ1/13/φ4</u>	<u>1117</u>	<u>1156</u>	<u>31.3'</u>	<u>17.78'</u>	<u>17.78'</u>	<u>13.7φ'</u>	<u>13.7φ'</u>
<u>2</u>	<u>RQL-φ14 out</u>	<u>φ1/13/φ4</u>	<u>φ1/13/φ4</u>	<u>1157</u>	<u>1312</u>	<u>31.3'</u>	<u>17.78'</u>	<u>17.78'</u>	<u>13.7φ'</u>	<u>13.7φ'</u>

STORAGE LOCATION OF DATA: 1) DELL LAPTOP      2) \_\_\_\_\_

FILE STRUCTURES	DATA TYPE	FORMAT (1)	UNITS	TEST TIME INTERVAL		COMMENTS
				LOG SCALE	ARITH. SCALE	
COLUMN A				<u>30 sec</u>		
COLUMN B						
COLUMN C						

(1) CK - 24 HR CLOCK TIME      H - HEIGHT OF WATER ABOVE TRANSDUCER      E - WATER LEVEL ELEVATION      O - OTHER (EXPLAIN IN REMARKS)  
 ET - ELAPSED TIME      FT BRP - DEPTH TO WATER      P - PRESSURE

DATA CHECK RESULTS: \_\_\_\_\_  
 REMARKS: \_\_\_\_\_

DATA RECORDED BY: Kelly J      DATE 1/13/φ4      QA CHECK BY: [Signature]      DATE 3/1/04





# SLUG TEST RECORD

8

**PROJECT NAME:** Ramsdell Quarry Phase I RI

**DELIVERY ORDER NO:** CY11

WELL NO: RQLmwφ16      DATE STARTED: φ1/13/φ4      DATE COMPLETED: φ1/14/φ4  
 LOCATION: RQL - west side of quarry      RECORDED BY: Kelly V B

### EQUIPMENT INFORMATION SUMMARY

EQUIPMENT TYPE	MANUFACTURER	MODEL	SERIAL NO.	RANGE (PSI)	LAST CALIB.
DATA LOGGER	IN-SITU HERMIT	1000 C	<u>15φ49</u>	—	<u>φ1/14/φ4</u>
TRANSDUCER	IN SITU	PXD-260	<u>14879</u>	—	<u>φ1/14/φ4</u>
WATER LEVEL	<u>HERON</u>	<u>DIPPER-T</u>	—	—	—

### PRETEST DATA

REFERENCE POINT <u>TOC</u>	REFERENCE POINT ELEVATION —	RISER CASING I.D. (IN.) <u>2"</u>		
SCREEN OR OPEN HOLE I.D.(IN.) <u>2"</u>	DIAMETER OF BOREHOLE (IF SCREENED) <u>8" (6" at depth)</u>			
	FT BRP	MSL	FT BRP	MSL
TOTAL WELL DEPTH	<u>41.65</u>	—	TOP OF FILTER PACK	<u>25.4' bgs</u>
DEPTH TO WATER	<u>33.68</u>	—	TOP OF SCREEN OR OPEN HOLE	<u>28.5' bgs</u>
HEIGHT OF WATER COLUMN	<u>7.97</u>	—	SCREEN LENGTH	<u>1φ.φ'</u>
TEST INTERVAL TYPE	—			

### TEST METHODS SUMMARY

TEST METHOD	SLUG IN (FALLING HEAD) <input type="checkbox"/>	SLUG OUT (RISING HEAD) <input checked="" type="checkbox"/>
SLUG DIMENSIONS	<u>1" x 3'</u>	SLUG VOL(GAL) <u>φ.65</u> SLUG DEPTH(FT) —
<u>0.12 SRA 6/2/05</u>		

### DATA LOGGER RECORDS

DATA LOGGER TEST NO.	FILE NAME	DATE (MM/DD/YY)		DATE (HH:MM:SS)		DEPTH TO TRANSDUCER (FT BRP)	DEPTH TO WATER (FT BRP)		HEIGHT OF WATER COLUMN (FT)	
		BEGIN	END	BEGIN	END		BEGIN	END	BEGIN	END
<u>1</u>	<u>RQLφ16in</u>	<u>φ1/13/φ4</u>	<u>φ1/14/φ4</u>	<u>1516</u>	<u>φ949</u>	<u>41.5'</u>	<u>33.68'</u>	<u>33.68'</u>	<u>7.97'</u>	<u>7.97'</u>
<u>2</u>	<u>RQLφ16out</u>	<u>φ1/14/φ4</u>	<u>φ1/14/φ4</u>	<u>φ952</u>	<u>1φ2φ</u>	<u>41.5'</u>	<u>33.68'</u>	<u>33.68'</u>	<u>7.97'</u>	<u>7.97'</u>

STORAGE LOCATION OF DATA: 1) DELL LAPTOP      2) \_\_\_\_\_

FILE STRUCTURES	DATA TYPE	FORMAT (1)	UNITS	TEST TIME INTERVAL		COMMENTS
				LOG SCALE	ARITH. SCALE	
COLUMN A				<u>3φ sec.</u>		
COLUMN B						
COLUMN C						

(1) CK - 24 HR CLOCK TIME      H - HEIGHT OF WATER ABOVE TRANSDUCER      E - WATER LEVEL ELEVATION      O - OTHER  
 ET - ELASPED TIME      FT BRP - DEPTH TO WATER      P - PRESSURE      (EXPLAIN IN REMARKS)

DATA CHECK RESULTS: \_\_\_\_\_

REMARKS: \_\_\_\_\_

DATA RECORDED BY <u>Kelly V B</u>	DATE <u>φ1/14/φ4</u>	QA CHECK BY <u>M. O'Leary</u>	DATE <u>3/1/04</u>
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# SLUG TEST RECORD

PROJECT NAME: Ramsdell Quarry Phase I RI

DELIVERY ORDER NO: 0711

WELL NO: R0Lmw φ17      DATE STARTED: 01/13/04      DATE COMPLETED: 01/14/04

LOCATION: R0Lmw - in woods south of quarry      RECORDED BY: Kelly [Signature]

### EQUIPMENT INFORMATION SUMMARY

EQUIPMENT TYPE	MANUFACTURER	MODEL	SERIAL NO.	RANGE (PSI)	LAST CALIB.
DATA LOGGER	IN-SITU HERMIT	1000 C	15049	—	01/14/04
TRANSDUCER	IN SITU	PXD-260	15103	—	01/14/04
WATER LEVEL	HERON 3	DIPPER-T	—	—	—

### PRETEST DATA

REFERENCE POINT	TOC	REFERENCE POINT ELEVATION	—	RISER CASING I.D. (IN.)	2"
SCREEN OR OPEN HOLE I.D. (IN.)	2"	DIAMETER OF BOREHOLE (IF SCREENED)		8" (6" at depth)	
	FT BRP	MSL		FT BRP	MSL
TOTAL WELL DEPTH	32.71'	—	TOP OF FILTER PACK	17. φ' bgs	—
DEPTH TO WATER	27.91'	—	TOP OF SCREEN OR OPEN HOLE	19.78' bgs	—
HEIGHT OF WATER COLUMN	4.80'	—	SCREEN LENGTH	1 φ. φ'	—
TEST INTERVAL TYPE	—	—	—	—	—

### TEST METHODS SUMMARY

TEST METHOD	SLUG IN (FALLING HEAD) <input type="checkbox"/>	SLUG OUT (RISING HEAD) <input checked="" type="checkbox"/>
SLUG DIMENSIONS	1" x 3"	SLUG VOL (GAL) 0.65
		SLUG DEPTH (FT) —

0.12 SRA 4/2/05

### DATA LOGGER RECORDS

DATA LOGGER TEST NO.	FILE NAME	DATE (MM/DD/YY)		DATE (HH:MM:SS)		DEPTH TO TRANSDUCER (FT BRP)	DEPTH TO WATER (FT BRP)		HEIGHT OF WATER COLUMN (FT)	
		BEGIN	END	BEGIN	END		BEGIN	END	BEGIN	END
1	R0Lφ17.in	01/13/04	01/14/04	1539	0940	32.6'	27.91'	27.91'	4.80'	4.80'
2	R0Lφ17.out	01/14/04	01/14/04	0941	1033	32.6'	27.91'	27.91'	4.80'	4.80'

STORAGE LOCATION OF DATA: 1) DELL LAPTOP      2) \_\_\_\_\_

FILE STRUCTURES	DATA TYPE	FORMAT (1)	UNITS	TEST TIME INTERVAL		COMMENTS
				LOG SCALE	ARITH. SCALE	
COLUMN A				30 sec.		
COLUMN B						
COLUMN C						

(1) CK - 24 HR CLOCK TIME      H - HEIGHT OF WATER ABOVE TRANSDUCER      E - WATER LEVEL ELEVATION      O - OTHER  
 ET - ELAPSED TIME      FT BRP - DEPTH TO WATER      P - PRESSURE      (EXPLAIN IN REMARKS)

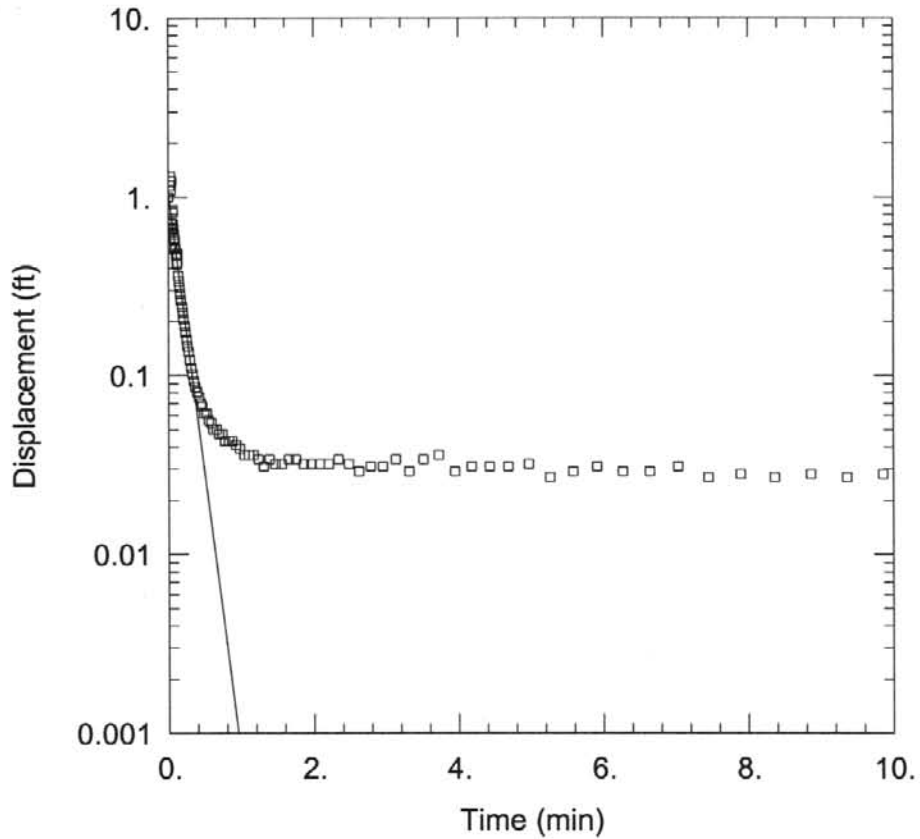
DATA CHECK RESULTS: \_\_\_\_\_

REMARKS: \_\_\_\_\_

DATA RECORDED BY	DATE	QA CHECK BY	DATE
[Signature]	01/14/04	[Signature]	3/1/04

<b>In-Situ Inc.</b>	<b>MiniTroll Pro</b>	
<b>Report generated:</b>	1/15/2004	11:01:30
<b>Report from file:</b>	...\SN09391 2004-01-13 132414 RQL-012in.bin	
<b>Win-Situ Version</b>	4.46	
<b>Serial number:</b>	9391	
<b>Firmware Version</b>	3.09	
<b>Unit name:</b>	15103	
<b>Test name:</b>		RQL-012in
<b>Test defined on:</b>	1/13/2004	13:24:06
<b>Test started on:</b>	1/13/2004	13:24:14
<b>Test stopped on:</b>	1/13/2004	14:06:04
<b>Test extracted on:</b>	N/A	N/A
<b>Data gathered using Logarithmic testing</b>		
<b>Maximum time between data points:</b>	30.0	Seconds.
<b>Number of data samples:</b>	164	
<b>TOTAL DATA SAMPLES</b>	164	
<b>Channel number [1]</b>		
<b>Measurement type:</b>	Temperature	
<b>Channel name:</b>	Temp	
<b>Channel number [2]</b>		
<b>Measurement type:</b>	Pressure	
<b>Channel name:</b>	DISPLACEMENT	
<b>Sensor Range:</b>	30 PSIG.	
<b>Specific gravity:</b>	1	
<b>Mode:</b>	Surface	
<b>User-defined reference:</b>	0	Feet H2O
<b>Referenced on:</b>	test start	
<b>Pressure head at reference:</b>	13.314	Feet H2O





<u>WELL TEST ANALYSIS</u>	
Data Set: <u>C:\...\012in.aqt</u>	Time: <u>10:45:11</u>
Date: <u>04/05/04</u>	
<u>AQUIFER DATA</u>	
Saturated Thickness: <u>12.</u> ft	Anisotropy Ratio (Kz/Kr): <u>1.</u>
<u>WELL DATA (RQL012in)</u>	
Initial Displacement: <u>1.</u> ft	Casing Radius: <u>0.083</u> ft
Wellbore Radius: <u>0.34</u> ft	Well Skin Radius: <u>0.34</u> ft
Screen Length: <u>10.</u> ft	Total Well Penetration Depth: <u>12.</u> ft
Gravel Pack Porosity: <u>0.3</u>	
<u>SOLUTION</u>	
Aquifer Model: <u>Unconfined</u>	Solution Method: <u>Bouwer-Rice</u>
K = <u>9.582</u> ft/day	y0 = <u>1.041</u> ft

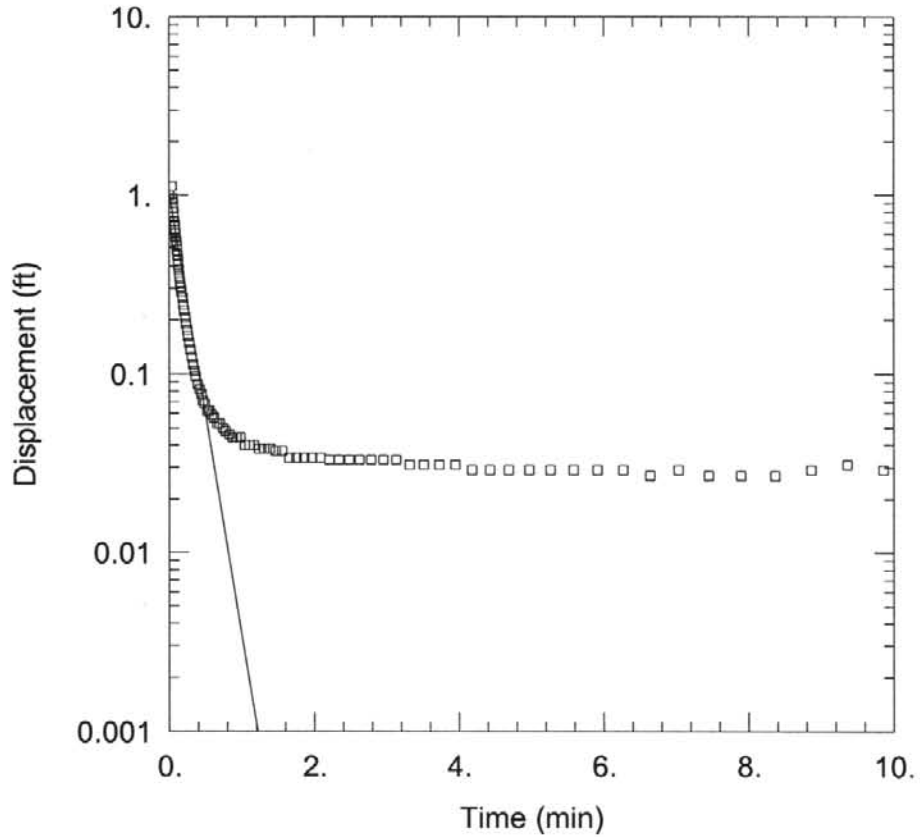
<b>RQL-012in</b>				
			Chan[1]	Chan[2]
Date	Time	ET (sec)	Celsius	Feet H2O
-----	-----	-----	-----	-----
1/13/2004	13:24:14	0.0000	11.4400	0.0000
1/13/2004	13:24:15	0.3000	11.4500	0.0070
1/13/2004	13:24:15	0.6000	11.4700	0.0120
1/13/2004	13:24:15	0.9000	11.4800	0.0120
1/13/2004	13:24:16	1.2000	11.4800	0.0350
1/13/2004	13:24:16	1.5000	11.4800	1.1310
1/13/2004	13:24:16	1.8000	11.4900	1.2020
1/13/2004	13:24:17	2.1000	11.4900	1.2830
1/13/2004	13:24:17	2.4000	11.4900	1.0570
1/13/2004	13:24:17	2.7000	11.4900	1.1960
1/13/2004	13:24:17	3.0000	11.4900	0.6850
1/13/2004	13:24:18	3.3000	11.4900	0.4880
1/13/2004	13:24:18	3.6000	11.5000	0.6450
1/13/2004	13:24:18	3.9000	11.5000	0.7900
1/13/2004	13:24:19	4.2000	11.5000	0.6720
1/13/2004	13:24:19	4.5000	11.5000	0.6290
1/13/2004	13:24:19	4.8000	11.5000	0.5870
1/13/2004	13:24:20	5.1000	11.5000	0.5650
1/13/2004	13:24:20	5.4000	11.5000	0.5400
1/13/2004	13:24:20	5.7000	11.5000	0.4970
1/13/2004	13:24:20	6.0000	11.5000	0.4890
1/13/2004	13:24:21	6.4000	11.5000	0.4440
1/13/2004	13:24:21	6.7000	11.5000	0.4440
1/13/2004	13:24:22	7.1000	11.5000	0.3930
1/13/2004	13:24:22	7.5000	11.5000	0.4530
1/13/2004	13:24:22	8.0000	11.5000	0.4020
1/13/2004	13:24:23	8.4000	11.5000	0.3340
1/13/2004	13:24:23	8.9000	11.5000	0.3100
1/13/2004	13:24:24	9.5000	11.5000	0.2850
1/13/2004	13:24:24	10.0000	11.4900	0.2600
1/13/2004	13:24:25	10.6000	11.4900	0.2380
1/13/2004	13:24:26	11.3000	11.4800	0.2160
1/13/2004	13:24:26	11.9000	11.4800	0.1980
1/13/2004	13:24:27	12.6000	11.4800	0.1800
1/13/2004	13:24:28	13.4000	11.4800	0.1620
1/13/2004	13:24:29	14.2000	11.4800	0.1480
1/13/2004	13:24:29	15.0000	11.4800	0.1310
1/13/2004	13:24:30	15.9000	11.4700	0.1190
1/13/2004	13:24:31	16.8000	11.4700	0.1080
1/13/2004	13:24:32	17.8000	11.4700	0.0950
1/13/2004	13:24:33	18.9000	11.4700	0.0830
1/13/2004	13:24:34	20.0000	11.4700	0.0750
1/13/2004	13:24:36	21.2000	11.4700	0.0660
1/13/2004	13:24:37	22.4000	11.4700	0.0590
1/13/2004	13:24:38	23.8000	11.4700	0.0540

			Chan[1]	Chan[2]
Date	Time	ET (sec)	Celsius	Feet H2O
-----	-----	-----	-----	-----
1/13/2004	13:24:40	25.2000	11.4500	0.0490
1/13/2004	13:24:41	26.7000	11.4700	0.0430
1/13/2004	13:24:43	28.2000	11.4500	0.0400
1/13/2004	13:24:44	29.8000	11.4500	0.0340
1/13/2004	13:24:46	31.5000	11.4500	0.0340
1/13/2004	13:24:48	33.3000	11.4500	0.0290
1/13/2004	13:24:50	35.2000	11.4500	0.0270
1/13/2004	13:24:52	37.3000	11.4500	0.0230
1/13/2004	13:24:54	39.5000	11.4500	0.0230
1/13/2004	13:24:56	41.8000	11.4500	0.0200
1/13/2004	13:24:59	44.3000	11.4500	0.0200
1/13/2004	13:25:01	46.9000	11.4500	0.0160
1/13/2004	13:25:04	49.7000	11.4500	0.0160
1/13/2004	13:25:07	52.6000	11.4500	0.0160
1/13/2004	13:25:10	55.7000	11.4500	0.0140
1/13/2004	13:25:13	59.0000	11.4500	0.0120
1/13/2004	13:25:17	62.5000	11.4500	0.0090
1/13/2004	13:25:21	66.2000	11.4400	0.0090
1/13/2004	13:25:25	70.1000	11.4400	0.0090
1/13/2004	13:25:29	74.3000	11.4400	0.0070
1/13/2004	13:25:33	78.7000	11.4400	0.0040
1/13/2004	13:25:38	83.4000	11.4400	0.0070
1/13/2004	13:25:43	88.4000	11.4400	0.0050
1/13/2004	13:25:48	93.7000	11.4400	0.0050
1/13/2004	13:25:54	99.3000	11.4400	0.0070
1/13/2004	13:26:00	105.2000	11.4400	0.0070
1/13/2004	13:26:06	111.5000	11.4400	0.0050
1/13/2004	13:26:13	118.1000	11.4400	0.0050
1/13/2004	13:26:20	125.1000	11.4400	0.0050
1/13/2004	13:26:27	132.6000	11.4400	0.0050
1/13/2004	13:26:35	140.5000	11.4400	0.0070
1/13/2004	13:26:43	148.9000	11.4400	0.0050
1/13/2004	13:26:52	157.8000	11.4400	0.0020
1/13/2004	13:27:02	167.2000	11.4400	0.0040
1/13/2004	13:27:12	177.2000	11.4400	0.0040
1/13/2004	13:27:22	187.8000	11.4400	0.0070
1/13/2004	13:27:33	199.0000	11.4400	0.0020
1/13/2004	13:27:45	210.9000	11.4400	0.0070
1/13/2004	13:27:58	223.5000	11.4400	0.0090
1/13/2004	13:28:11	236.8000	11.4400	0.0020
1/13/2004	13:28:25	250.9000	11.4400	0.0040
1/13/2004	13:28:40	265.8000	11.4400	0.0040
1/13/2004	13:28:56	281.6000	11.4400	0.0040
1/13/2004	13:29:13	298.4000	11.4400	0.0050
1/13/2004	13:29:31	316.2000	11.4400	0.0000
1/13/2004	13:29:49	335.0000	11.4400	0.0020

			Chan[1]	Chan[2]
Date	Time	ET (sec)	Celsius	Feet H2O
-----	-----	-----	-----	-----
1/13/2004	13:30:09	354.9000	11.4400	0.0040
1/13/2004	13:30:30	376.0000	11.4400	0.0020
1/13/2004	13:30:53	398.4000	11.4400	0.0020
1/13/2004	13:31:17	422.1000	11.4400	0.0040
1/13/2004	13:31:42	447.2000	11.4500	0.0000
1/13/2004	13:32:08	473.8000	11.4500	0.0010
1/13/2004	13:32:36	502.0000	11.4500	0.0000
1/13/2004	13:33:06	531.9000	11.4500	0.0010
1/13/2004	13:33:36	561.9000	11.4500	0.0000
1/13/2004	13:34:06	591.9000	11.4500	0.0010
1/13/2004	13:34:36	621.9000	11.4500	0.0000
1/13/2004	13:35:06	651.9000	11.4500	0.0000
1/13/2004	13:35:36	681.9000	11.4500	0.0010
1/13/2004	13:36:06	711.9000	11.4500	0.0000
1/13/2004	13:36:36	741.9000	11.4500	-0.0020
1/13/2004	13:37:06	771.9000	11.4500	0.0000
1/13/2004	13:37:36	801.9000	11.4500	0.0000
1/13/2004	13:38:06	831.9000	11.4500	0.0010
1/13/2004	13:38:36	861.9000	11.4500	0.0000
1/13/2004	13:39:06	891.9000	11.4700	0.0010
1/13/2004	13:39:36	921.9000	11.4500	-0.0040
1/13/2004	13:40:06	951.9000	11.4700	-0.0040
1/13/2004	13:40:36	981.9000	11.4700	-0.0040
1/13/2004	13:41:06	1011.9000	11.4500	-0.0040
1/13/2004	13:41:36	1041.9000	11.4700	-0.0060
1/13/2004	13:42:06	1071.9000	11.4700	-0.0060
1/13/2004	13:42:36	1101.9000	11.4700	-0.0040
1/13/2004	13:43:06	1131.9000	11.4700	-0.0060
1/13/2004	13:43:36	1161.9000	11.4700	-0.0080
1/13/2004	13:44:06	1191.9000	11.4700	-0.0080
1/13/2004	13:44:36	1221.9000	11.4700	-0.0080
1/13/2004	13:45:06	1251.9000	11.4700	-0.0060
1/13/2004	13:45:36	1281.9000	11.4700	-0.0060
1/13/2004	13:46:06	1311.9000	11.4700	-0.0080
1/13/2004	13:46:36	1341.9000	11.4700	-0.0080
1/13/2004	13:47:06	1371.9000	11.4700	-0.0100
1/13/2004	13:47:36	1401.9000	11.4700	-0.0100
1/13/2004	13:48:06	1431.9000	11.4700	-0.0100
1/13/2004	13:48:36	1461.9000	11.4700	-0.0110
1/13/2004	13:49:06	1491.9000	11.4700	-0.0110
1/13/2004	13:49:36	1521.9000	11.4700	-0.0100
1/13/2004	13:50:06	1551.9000	11.4700	-0.0110
1/13/2004	13:50:36	1581.9000	11.4700	-0.0110
1/13/2004	13:51:06	1611.9000	11.4700	-0.0100
1/13/2004	13:51:36	1641.9000	11.4700	-0.0130
1/13/2004	13:52:06	1671.9000	11.4700	-0.0130

			Chan[1]	Chan[2]
Date	Time	ET (sec)	Celsius	Feet H2O
-----	-----	-----	-----	-----
1/13/2004	13:52:36	1701.9000	11.4700	-0.0110
1/13/2004	13:53:06	1731.9000	11.4700	-0.0110
1/13/2004	13:53:36	1761.9000	11.4700	-0.0130
1/13/2004	13:54:06	1791.9000	11.4700	-0.0130
1/13/2004	13:54:36	1821.9000	11.4700	-0.0130
1/13/2004	13:55:06	1851.9000	11.4700	-0.0150
1/13/2004	13:55:36	1881.9000	11.4700	-0.0130
1/13/2004	13:56:06	1911.9000	11.4700	-0.0110
1/13/2004	13:56:36	1941.9000	11.4700	-0.0150
1/13/2004	13:57:06	1971.9000	11.4700	-0.0150
1/13/2004	13:57:36	2001.9000	11.4700	-0.0190
1/13/2004	13:58:06	2031.9000	11.4700	-0.0150
1/13/2004	13:58:36	2061.9000	11.4700	-0.0170
1/13/2004	13:59:06	2091.9000	11.4700	-0.0170
1/13/2004	13:59:36	2121.9000	11.4700	-0.0170
1/13/2004	14:00:06	2151.9000	11.4700	-0.0170
1/13/2004	14:00:36	2181.9000	11.4700	-0.0170
1/13/2004	14:01:06	2211.9000	11.4700	-0.0170
1/13/2004	14:01:36	2241.9000	11.4700	-0.0190
1/13/2004	14:02:06	2271.9000	11.4700	-0.0190
1/13/2004	14:02:36	2301.9000	11.4700	-0.0220
1/13/2004	14:03:06	2331.9000	11.4700	-0.0190
1/13/2004	14:03:36	2361.9000	11.4700	-0.0220
1/13/2004	14:04:06	2391.9000	11.4700	-0.0190
1/13/2004	14:04:36	2421.9000	11.4700	-0.0210
1/13/2004	14:05:06	2451.9000	11.4700	-0.0240
1/13/2004	14:05:36	2481.9000	11.4700	-0.0260

<b>In-Situ Inc.</b>	<b>MiniTroll Pro</b>	
<b>Report generated:</b>	1/15/2004	11:01:58
<b>Report from file:</b>	...\SN09391 2004-01-13 140642 RQL-012out.bin	
<b>Win-Situ Version</b>	4.46	
<b>Serial number:</b>	9391	
<b>Firmware Version</b>	3.09	
<b>Unit name:</b>	15103	
<b>Test name:</b>		RQL-012out
<b>Test defined on:</b>	1/13/2004	14:06:33
<b>Test started on:</b>	1/13/2004	14:06:42
<b>Test stopped on:</b>	1/13/2004	14:36:25
<b>Test extracted on:</b>	N/A	N/A
<b>Data gathered using Logarithmic testing</b>		
<b>Maximum time between data points:</b>	30.0	Seconds.
<b>Number of data samples:</b>	140	
<b>TOTAL DATA SAMPLES</b>	140	
<b>Channel number [1]</b>		
<b>Measurement type:</b>	Temperature	
<b>Channel name:</b>	Temp	
<b>Channel number [2]</b>		
<b>Measurement type:</b>	Pressure	
<b>Channel name:</b>	DISPLACEMENT	
<b>Sensor Range:</b>	30 PSIG.	
<b>Specific gravity:</b>	1	
<b>Mode:</b>	Surface	
<b>User-defined reference:</b>	0	Feet H2O
<b>Referenced on:</b>	test start	
<b>Pressure head at reference:</b>	13.29	Feet H2O



<u>WELL TEST ANALYSIS</u>	
Data Set: <u>C:\...\012out.aqt</u>	Time: <u>10:55:42</u>
Date: <u>04/05/04</u>	
<u>AQUIFER DATA</u>	
Saturated Thickness: <u>12. ft</u>	Anisotropy Ratio (Kz/Kr): <u>1.</u>
<u>WELL DATA (RQL012out)</u>	
Initial Displacement: <u>1. ft</u>	Casing Radius: <u>0.083 ft</u>
Wellbore Radius: <u>0.34 ft</u>	Well Skin Radius: <u>0.34 ft</u>
Screen Length: <u>10. ft</u>	Total Well Penetration Depth: <u>12. ft</u>
Gravel Pack Porosity: <u>0.3</u>	
<u>SOLUTION</u>	
Aquifer Model: <u>Unconfined</u>	Solution Method: <u>Bouwer-Rice</u>
K = <u>7.525 ft/day</u>	y0 = <u>1.03 ft</u>



RQL-012out				
			Chan[1]	Chan[2]
Date	Time	ET (sec)	Celsius	Feet H2O
-----	-----	-----	-----	-----
1/13/2004	14:06:42	0.0000	11.4700	0.0000
1/13/2004	14:06:42	0.3000	11.4900	0.0070
1/13/2004	14:06:42	0.6000	11.4900	0.0080
1/13/2004	14:06:42	0.9000	11.5000	0.0120
1/13/2004	14:06:43	1.2000	11.5000	0.0120
1/13/2004	14:06:43	1.5000	11.5000	-0.1280
1/13/2004	14:06:43	1.8000	11.5200	-1.9330
1/13/2004	14:06:44	2.1000	11.5200	-0.5210
1/13/2004	14:06:44	2.4000	11.5200	-1.0970
1/13/2004	14:06:44	2.7000	11.5200	-0.9360
1/13/2004	14:06:45	3.0000	11.5200	-0.9320
1/13/2004	14:06:45	3.3000	11.5300	-0.8870
1/13/2004	14:06:45	3.6000	11.5300	-0.8200
1/13/2004	14:06:45	3.9000	11.5300	-0.7790
1/13/2004	14:06:46	4.2000	11.5300	-0.7300
1/13/2004	14:06:46	4.5000	11.5300	-0.6880
1/13/2004	14:06:46	4.8000	11.5300	-0.6570
1/13/2004	14:06:47	5.1000	11.5300	-0.6140
1/13/2004	14:06:47	5.4000	11.5300	-0.5900
1/13/2004	14:06:47	5.7000	11.5300	-0.5580
1/13/2004	14:06:48	6.0000	11.5300	-0.5320
1/13/2004	14:06:48	6.4000	11.5300	-0.5030
1/13/2004	14:06:48	6.7000	11.5300	-0.4690
1/13/2004	14:06:49	7.1000	11.5300	-0.4400
1/13/2004	14:06:49	7.5000	11.5400	-0.4110
1/13/2004	14:06:50	8.0000	11.5400	-0.3840
1/13/2004	14:06:50	8.4000	11.5400	-0.3590
1/13/2004	14:06:51	8.9000	11.5400	-0.3300
1/13/2004	14:06:51	9.5000	11.5400	-0.3040
1/13/2004	14:06:52	10.0000	11.5300	-0.2840
1/13/2004	14:06:52	10.6000	11.5200	-0.2660
1/13/2004	14:06:53	11.3000	11.5200	-0.2440
1/13/2004	14:06:53	11.9000	11.5200	-0.2220
1/13/2004	14:06:54	12.6000	11.5000	-0.2040
1/13/2004	14:06:55	13.4000	11.5000	-0.1860
1/13/2004	14:06:56	14.2000	11.5000	-0.1690
1/13/2004	14:06:57	15.0000	11.5000	-0.1550
1/13/2004	14:06:57	15.9000	11.5000	-0.1420
1/13/2004	14:06:58	16.8000	11.5000	-0.1280
1/13/2004	14:06:59	17.8000	11.5000	-0.1150
1/13/2004	14:07:00	18.9000	11.5000	-0.1040
1/13/2004	14:07:02	20.0000	11.5000	-0.0930
1/13/2004	14:07:03	21.2000	11.4900	-0.0840
1/13/2004	14:07:04	22.4000	11.4900	-0.0770
1/13/2004	14:07:05	23.8000	11.4900	-0.0680

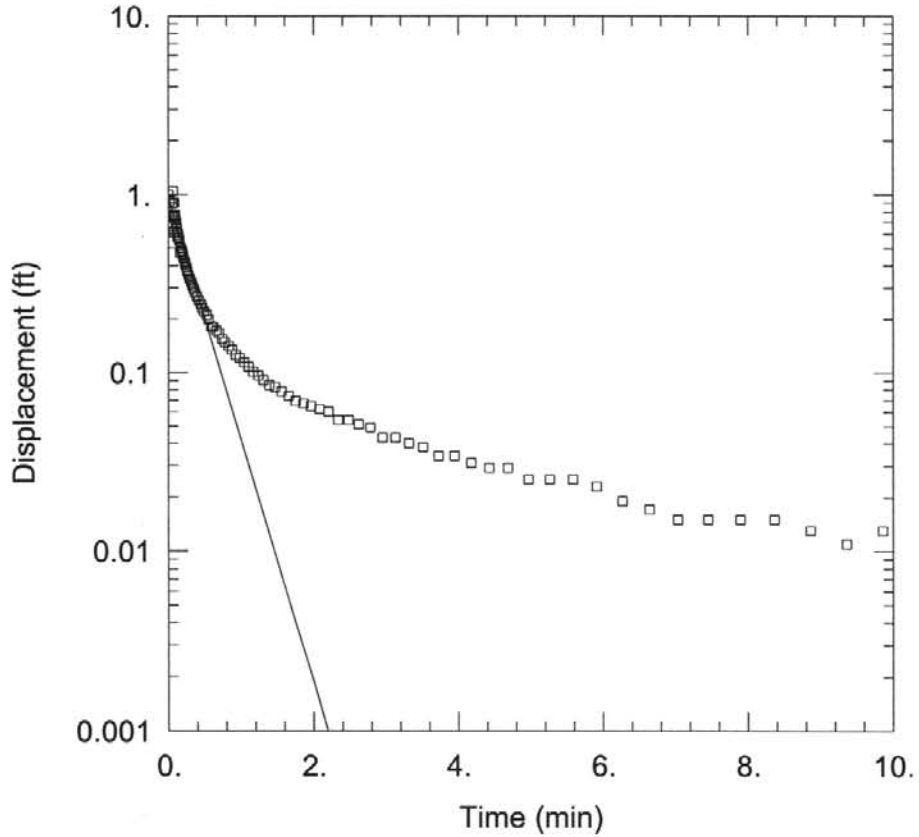


			Chan[1]	Chan[2]
Date	Time	ET (sec)	Celsius	Feet H2O
-----	-----	-----	-----	-----
1/13/2004	14:07:07	25.2000	11.4900	-0.0620
1/13/2004	14:07:08	26.7000	11.4900	-0.0570
1/13/2004	14:07:10	28.2000	11.4900	-0.0510
1/13/2004	14:07:11	29.8000	11.4900	-0.0480
1/13/2004	14:07:13	31.5000	11.4900	-0.0420
1/13/2004	14:07:15	33.3000	11.4900	-0.0420
1/13/2004	14:07:17	35.2000	11.4900	-0.0390
1/13/2004	14:07:19	37.3000	11.4900	-0.0370
1/13/2004	14:07:21	39.5000	11.4900	-0.0330
1/13/2004	14:07:23	41.8000	11.4900	-0.0330
1/13/2004	14:07:26	44.3000	11.4900	-0.0300
1/13/2004	14:07:28	46.9000	11.4900	-0.0280
1/13/2004	14:07:31	49.7000	11.4900	-0.0260
1/13/2004	14:07:34	52.6000	11.4900	-0.0240
1/13/2004	14:07:37	55.7000	11.4800	-0.0240
1/13/2004	14:07:41	59.0000	11.4800	-0.0240
1/13/2004	14:07:44	62.5000	11.4800	-0.0200
1/13/2004	14:07:48	66.2000	11.4800	-0.0200
1/13/2004	14:07:52	70.1000	11.4800	-0.0200
1/13/2004	14:07:56	74.3000	11.4800	-0.0180
1/13/2004	14:08:00	78.7000	11.4800	-0.0180
1/13/2004	14:08:05	83.4000	11.4800	-0.0180
1/13/2004	14:08:10	88.4000	11.4800	-0.0170
1/13/2004	14:08:15	93.7000	11.4800	-0.0170
1/13/2004	14:08:21	99.3000	11.4700	-0.0140
1/13/2004	14:08:27	105.2000	11.4700	-0.0140
1/13/2004	14:08:33	111.5000	11.4700	-0.0140
1/13/2004	14:08:40	118.1000	11.4700	-0.0140
1/13/2004	14:08:47	125.1000	11.4700	-0.0140
1/13/2004	14:08:54	132.6000	11.4700	-0.0130
1/13/2004	14:09:02	140.5000	11.4700	-0.0130
1/13/2004	14:09:10	148.9000	11.4700	-0.0130
1/13/2004	14:09:19	157.8000	11.4700	-0.0130
1/13/2004	14:09:29	167.2000	11.4700	-0.0130
1/13/2004	14:09:39	177.2000	11.4700	-0.0130
1/13/2004	14:09:49	187.8000	11.4700	-0.0130
1/13/2004	14:10:01	199.0000	11.4700	-0.0110
1/13/2004	14:10:12	210.9000	11.4700	-0.0110
1/13/2004	14:10:25	223.5000	11.4700	-0.0110
1/13/2004	14:10:38	236.8000	11.4700	-0.0110
1/13/2004	14:10:52	250.9000	11.4700	-0.0090
1/13/2004	14:11:07	265.8000	11.4700	-0.0090
1/13/2004	14:11:23	281.6000	11.4700	-0.0090
1/13/2004	14:11:40	298.4000	11.4700	-0.0090
1/13/2004	14:11:58	316.2000	11.4700	-0.0090
1/13/2004	14:12:17	335.0000	11.4700	-0.0090

			Chan[1]	Chan[2]
Date	Time	ET (sec)	Celsius	Feet H2O
-----	-----	-----	-----	-----
1/13/2004	14:12:36	354.9000	11.4700	-0.0090
1/13/2004	14:12:58	376.0000	11.4500	-0.0090
1/13/2004	14:13:20	398.4000	11.4700	-0.0070
1/13/2004	14:13:44	422.1000	11.4700	-0.0090
1/13/2004	14:14:09	447.2000	11.4700	-0.0070
1/13/2004	14:14:35	473.8000	11.4700	-0.0070
1/13/2004	14:15:04	502.0000	11.4700	-0.0070
1/13/2004	14:15:33	531.9000	11.4700	-0.0090
1/13/2004	14:16:03	561.9000	11.4700	-0.0110
1/13/2004	14:16:33	591.9000	11.4700	-0.0090
1/13/2004	14:17:03	621.9000	11.4700	-0.0070
1/13/2004	14:17:33	651.9000	11.4700	-0.0090
1/13/2004	14:18:03	681.9000	11.4700	-0.0110
1/13/2004	14:18:33	711.9000	11.4700	-0.0090
1/13/2004	14:19:03	741.9000	11.4700	-0.0110
1/13/2004	14:19:33	771.9000	11.4700	-0.0110
1/13/2004	14:20:03	801.9000	11.4800	-0.0110
1/13/2004	14:20:33	831.9000	11.4700	-0.0110
1/13/2004	14:21:03	861.9000	11.4800	-0.0110
1/13/2004	14:21:33	891.9000	11.4800	-0.0130
1/13/2004	14:22:03	921.9000	11.4800	-0.0130
1/13/2004	14:22:33	951.9000	11.4800	-0.0130
1/13/2004	14:23:03	981.9000	11.4800	-0.0150
1/13/2004	14:23:33	1011.9000	11.4800	-0.0130
1/13/2004	14:24:03	1041.9000	11.4800	-0.0150
1/13/2004	14:24:33	1071.9000	11.4800	-0.0150
1/13/2004	14:25:03	1101.9000	11.4800	-0.0150
1/13/2004	14:25:33	1131.9000	11.4800	-0.0130
1/13/2004	14:26:03	1161.9000	11.4800	-0.0130
1/13/2004	14:26:33	1191.9000	11.4800	-0.0130
1/13/2004	14:27:03	1221.9000	11.4800	-0.0150
1/13/2004	14:27:33	1251.9000	11.4800	-0.0150
1/13/2004	14:28:03	1281.9000	11.4800	-0.0150
1/13/2004	14:28:33	1311.9000	11.4800	-0.0150
1/13/2004	14:29:03	1341.9000	11.4800	-0.0150
1/13/2004	14:29:33	1371.9000	11.4800	-0.0150
1/13/2004	14:30:03	1401.9000	11.4800	-0.0150
1/13/2004	14:30:33	1431.9000	11.4800	-0.0170
1/13/2004	14:31:03	1461.9000	11.4800	-0.0170
1/13/2004	14:31:33	1491.9000	11.4800	-0.0170
1/13/2004	14:32:03	1521.9000	11.4800	-0.0170
1/13/2004	14:32:33	1551.9000	11.4800	-0.0170
1/13/2004	14:33:03	1581.9000	11.4800	-0.0170
1/13/2004	14:33:33	1611.9000	11.4900	-0.0170
1/13/2004	14:34:03	1641.9000	11.4900	-0.0260
1/13/2004	14:34:33	1671.9000	11.4800	-0.0170

			Chan[1]	Chan[2]
Date	Time	ET (sec)	Celsius	Feet H2O
-----	-----	-----	-----	-----
1/13/2004	14:35:03	1701.9000	11.4900	-0.0210
1/13/2004	14:35:33	1731.9000	11.4800	-0.0180
1/13/2004	14:36:03	1761.9000	11.4900	-0.0190

<b>In-Situ Inc.</b>	<b>MiniTroll Pro</b>	
<b>Report generated:</b>	1/15/2004	11:00:53
<b>Report from file:</b>	...\\SN09391 2004-01-13 110147 RQL-013in.bin	
<b>Win-Situ Version</b>	4.46	
<b>Serial number:</b>	9391	
<b>Firmware Version</b>	3.09	
<b>Unit name:</b>	15103	
<b>Test name:</b>		RQL-013in
<b>Test defined on:</b>	1/13/2004	11:01:08
<b>Test started on:</b>	1/13/2004	11:01:47
<b>Test stopped on:</b>	1/13/2004	11:25:40
<b>Test extracted on:</b>	N/A	N/A
<b>Data gathered using Logarithmic testing</b>		
<b>Maximum time between data points:</b>	30.0	Seconds.
<b>Number of data samples:</b>	128	
<b>TOTAL DATA SAMPLES</b>	128	
<b>Channel number [1]</b>		
<b>Measurement type:</b>	Temperature	
<b>Channel name:</b>	Temp	
<b>Channel number [2]</b>		
<b>Measurement type:</b>	Pressure	
<b>Channel name:</b>	DISPLACEMENT	
<b>Sensor Range:</b>	30 PSIG.	
<b>Specific gravity:</b>	1	
<b>Mode:</b>	Surface	
<b>User-defined reference:</b>	0	Feet H2O
<b>Referenced on:</b>	test start	
<b>Pressure head at reference:</b>	13.131	Feet H2O



<u>WELL TEST ANALYSIS</u>	
Data Set: <u>C:\...\013in.aqt</u>	Time: <u>10:57:32</u>
Date: <u>04/05/04</u>	
<u>AQUIFER DATA</u>	
Saturated Thickness: <u>12. ft</u>	Anisotropy Ratio (Kz/Kr): <u>1.</u>
<u>WELL DATA (RQL013in)</u>	
Initial Displacement: <u>1. ft</u>	Casing Radius: <u>0.083 ft</u>
Wellbore Radius: <u>0.34 ft</u>	Well Skin Radius: <u>0.34 ft</u>
Screen Length: <u>10. ft</u>	Total Well Penetration Depth: <u>12. ft</u>
Gravel Pack Porosity: <u>0.3</u>	
<u>SOLUTION</u>	
Aquifer Model: <u>Unconfined</u>	Solution Method: <u>Bouwer-Rice</u>
K = <u>4.12 ft/day</u>	y0 = <u>0.9535 ft</u>

RQL-013in				
			Chan[1]	Chan[2]
Date	Time	ET (sec)	Celsius	Feet H2O
-----	-----	-----	-----	-----
1/13/2004	11:01:47	0.0000	11.5500	0.0000
1/13/2004	11:01:47	0.3000	11.5800	0.0050
1/13/2004	11:01:47	0.6000	11.5900	0.0080
1/13/2004	11:01:48	0.9000	11.5900	0.0080
1/13/2004	11:01:48	1.2000	11.6000	0.0130
1/13/2004	11:01:48	1.5000	11.6000	0.9230
1/13/2004	11:01:49	1.8000	11.6000	1.2630
1/13/2004	11:01:49	2.1000	11.6000	1.3010
1/13/2004	11:01:49	2.4000	11.6200	1.2650
1/13/2004	11:01:49	2.7000	11.6200	1.3810
1/13/2004	11:01:50	3.0000	11.6200	0.6610
1/13/2004	11:01:50	3.3000	11.6200	0.7650
1/13/2004	11:01:50	3.6000	11.6200	0.8880
1/13/2004	11:01:51	3.9000	11.6200	0.8950
1/13/2004	11:01:51	4.2000	11.6200	1.0440
1/13/2004	11:01:51	4.5000	11.6200	0.6180
1/13/2004	11:01:52	4.8000	11.6200	0.8950
1/13/2004	11:01:52	5.1000	11.6200	0.7520
1/13/2004	11:01:52	5.4000	11.6300	0.7660
1/13/2004	11:01:52	5.7000	11.6300	0.7410
1/13/2004	11:01:53	6.0000	11.6300	0.7210
1/13/2004	11:01:53	6.4000	11.6300	0.6970
1/13/2004	11:01:53	6.7000	11.6300	0.6770
1/13/2004	11:01:54	7.1000	11.6300	0.6470
1/13/2004	11:01:54	7.5000	11.6300	0.5760
1/13/2004	11:01:55	8.0000	11.6300	0.6090
1/13/2004	11:01:55	8.4000	11.6300	0.5890
1/13/2004	11:01:56	8.9000	11.6300	0.5670
1/13/2004	11:01:56	9.5000	11.6300	0.5470
1/13/2004	11:01:57	10.0000	11.6200	0.4730
1/13/2004	11:01:57	10.6000	11.6000	0.5010
1/13/2004	11:01:58	11.3000	11.6000	0.4810
1/13/2004	11:01:59	11.9000	11.6000	0.4610
1/13/2004	11:01:59	12.6000	11.6000	0.4430
1/13/2004	11:02:00	13.4000	11.6000	0.4230
1/13/2004	11:02:01	14.2000	11.5900	0.4070
1/13/2004	11:02:02	15.0000	11.5900	0.3890
1/13/2004	11:02:03	15.9000	11.5900	0.3720
1/13/2004	11:02:04	16.8000	11.5900	0.3540
1/13/2004	11:02:05	17.8000	11.5900	0.3360
1/13/2004	11:02:06	18.9000	11.5900	0.3230
1/13/2004	11:02:07	20.0000	11.5900	0.3070
1/13/2004	11:02:08	21.2000	11.5900	0.2940
1/13/2004	11:02:09	22.4000	11.5900	0.2800
1/13/2004	11:02:11	23.8000	11.5800	0.2670

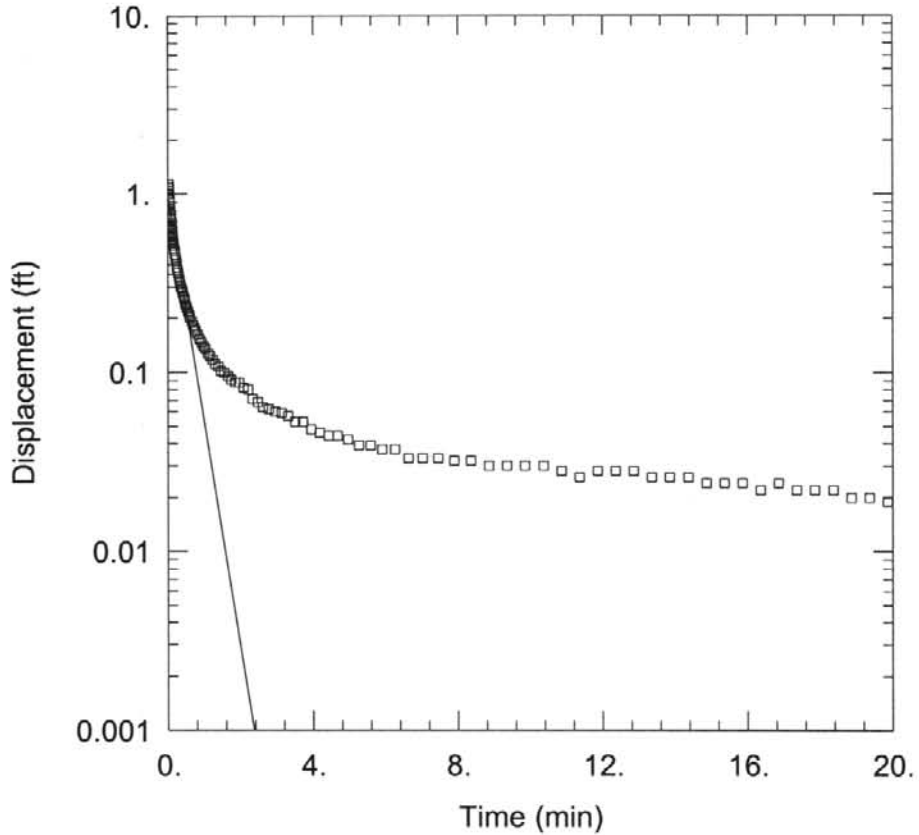
			Chan[1]	Chan[2]
Date	Time	ET (sec)	Celsius	Feet H2O
-----	-----	-----	-----	-----
1/13/2004	11:02:12	25.2000	11.5800	0.2550
1/13/2004	11:02:13	26.7000	11.5800	0.2420
1/13/2004	11:02:15	28.2000	11.5800	0.2310
1/13/2004	11:02:17	29.8000	11.5800	0.2200
1/13/2004	11:02:18	31.5000	11.5800	0.2100
1/13/2004	11:02:20	33.3000	11.5800	0.1990
1/13/2004	11:02:22	35.2000	11.5800	0.1820
1/13/2004	11:02:24	37.3000	11.5800	0.1810
1/13/2004	11:02:26	39.5000	11.5800	0.1710
1/13/2004	11:02:29	41.8000	11.5700	0.1660
1/13/2004	11:02:31	44.3000	11.5700	0.1540
1/13/2004	11:02:34	46.9000	11.5700	0.1480
1/13/2004	11:02:36	49.7000	11.5700	0.1410
1/13/2004	11:02:39	52.6000	11.5700	0.1340
1/13/2004	11:02:42	55.7000	11.5700	0.1260
1/13/2004	11:02:46	59.0000	11.5700	0.1210
1/13/2004	11:02:49	62.5000	11.5700	0.1140
1/13/2004	11:02:53	66.2000	11.5700	0.1080
1/13/2004	11:02:57	70.1000	11.5700	0.1010
1/13/2004	11:03:01	74.3000	11.5500	0.0960
1/13/2004	11:03:05	78.7000	11.5500	0.0910
1/13/2004	11:03:10	83.4000	11.5500	0.0850
1/13/2004	11:03:15	88.4000	11.5500	0.0830
1/13/2004	11:03:20	93.7000	11.5500	0.0780
1/13/2004	11:03:26	99.3000	11.5500	0.0740
1/13/2004	11:03:32	105.2000	11.5500	0.0690
1/13/2004	11:03:38	111.5000	11.5500	0.0670
1/13/2004	11:03:45	118.1000	11.5500	0.0650
1/13/2004	11:03:52	125.1000	11.5500	0.0620
1/13/2004	11:03:59	132.6000	11.5500	0.0600
1/13/2004	11:04:07	140.5000	11.5500	0.0540
1/13/2004	11:04:16	148.9000	11.5500	0.0540
1/13/2004	11:04:25	157.8000	11.5500	0.0510
1/13/2004	11:04:34	167.2000	11.5500	0.0490
1/13/2004	11:04:44	177.2000	11.5500	0.0430
1/13/2004	11:04:55	187.8000	11.5500	0.0430
1/13/2004	11:05:06	199.0000	11.5500	0.0400
1/13/2004	11:05:18	210.9000	11.5500	0.0380
1/13/2004	11:05:30	223.5000	11.5500	0.0340
1/13/2004	11:05:44	236.8000	11.5500	0.0340
1/13/2004	11:05:58	250.9000	11.5500	0.0310
1/13/2004	11:06:13	265.8000	11.5700	0.0290
1/13/2004	11:06:28	281.6000	11.5700	0.0290
1/13/2004	11:06:45	298.4000	11.5700	0.0250
1/13/2004	11:07:03	316.2000	11.5700	0.0250
1/13/2004	11:07:22	335.0000	11.5800	0.0250



			Chan[1]	Chan[2]
Date	Time	ET (sec)	Celsius	Feet H2O
-----	-----	-----	-----	-----
1/13/2004	11:07:42	354.9000	11.5800	0.0230
1/13/2004	11:08:03	376.0000	11.5800	0.0190
1/13/2004	11:08:25	398.4000	11.5800	0.0170
1/13/2004	11:08:49	422.1000	11.5900	0.0150
1/13/2004	11:09:14	447.2000	11.5900	0.0150
1/13/2004	11:09:41	473.8000	11.6000	0.0150
1/13/2004	11:10:09	502.0000	11.6000	0.0150
1/13/2004	11:10:39	531.9000	11.6000	0.0130
1/13/2004	11:11:09	561.9000	11.6000	0.0110
1/13/2004	11:11:39	591.9000	11.6200	0.0130
1/13/2004	11:12:09	621.9000	11.6200	0.0110
1/13/2004	11:12:39	651.9000	11.6200	0.0130
1/13/2004	11:13:09	681.9000	11.6200	0.0110
1/13/2004	11:13:39	711.9000	11.6300	0.0110
1/13/2004	11:14:09	741.9000	11.6300	0.0090
1/13/2004	11:14:39	771.9000	11.6300	0.0090
1/13/2004	11:15:09	801.9000	11.6300	0.0090
1/13/2004	11:15:39	831.9000	11.6300	0.0070
1/13/2004	11:16:09	861.9000	11.6400	0.0070
1/13/2004	11:16:39	891.9000	11.6400	0.0070
1/13/2004	11:17:09	921.9000	11.6400	0.0100
1/13/2004	11:17:39	951.9000	11.6400	0.0090
1/13/2004	11:18:09	981.9000	11.6500	0.0080
1/13/2004	11:18:39	1011.9000	11.6500	0.0070
1/13/2004	11:19:09	1041.9000	11.6500	0.0070
1/13/2004	11:19:39	1071.9000	11.6500	0.0070
1/13/2004	11:20:09	1101.9000	11.6700	0.0060
1/13/2004	11:20:39	1131.9000	11.6700	0.0060
1/13/2004	11:21:09	1161.9000	11.6700	0.0040
1/13/2004	11:21:39	1191.9000	11.6700	0.0060
1/13/2004	11:22:09	1221.9000	11.6700	0.0060
1/13/2004	11:22:39	1251.9000	11.6700	0.0060
1/13/2004	11:23:09	1281.9000	11.6800	0.0040
1/13/2004	11:23:39	1311.9000	11.6800	0.0040
1/13/2004	11:24:09	1341.9000	11.6800	0.0040
1/13/2004	11:24:39	1371.9000	11.6800	0.0060
1/13/2004	11:25:09	1401.9000	11.6800	0.0060



<b>In-Situ Inc.</b>	<b>MiniTroll Pro</b>	
<b>Report generated:</b>	1/15/2004	11:01:10
<b>Report from file:</b>	...ASN09391 2004-01-13 112632 RQL-013out.bin	
<b>Win-Situ Version</b>	4.46	
<b>Serial number:</b>	9391	
<b>Firmware Version</b>	3.09	
<b>Unit name:</b>	15103	
<b>Test name:</b>		RQL-013out
<b>Test defined on:</b>	1/13/2004	11:26:10
<b>Test started on:</b>	1/13/2004	11:26:32
<b>Test stopped on:</b>	1/13/2004	13:04:07
<b>Test extracted on:</b>	N/A	N/A
<b>Data gathered using Logarithmic testing</b>		
<b>Maximum time between data points:</b>	30.0	Seconds.
<b>Number of data samples:</b>	276	
<b>TOTAL DATA SAMPLES</b>	276	
<b>Channel number [1]</b>		
<b>Measurement type:</b>	Temperature	
<b>Channel name:</b>	Temp	
<b>Channel number [2]</b>		
<b>Measurement type:</b>	Pressure	
<b>Channel name:</b>	DISPLACEMENT	
<b>Sensor Range:</b>	30 PSIG.	
<b>Specific gravity:</b>	1	
<b>Mode:</b>	Surface	
<b>User-defined reference:</b>	0	Feet H2O
<b>Referenced on:</b>	test start	
<b>Pressure head at reference:</b>	13.137	Feet H2O



<u>WELL TEST ANALYSIS</u>	
Data Set: <u>C:\...\013out.aqt</u>	Time: <u>10:58:34</u>
Date: <u>04/05/04</u>	
<u>AQUIFER DATA</u>	
Saturated Thickness: <u>12. ft</u>	Anisotropy Ratio (Kz/Kr): <u>1.</u>
<u>WELL DATA (RQL013out)</u>	
Initial Displacement: <u>1. ft</u>	Casing Radius: <u>0.083 ft</u>
Wellbore Radius: <u>0.34 ft</u>	Well Skin Radius: <u>0.34 ft</u>
Screen Length: <u>10. ft</u>	Total Well Penetration Depth: <u>12. ft</u>
Gravel Pack Porosity: <u>0.3</u>	
<u>SOLUTION</u>	
Aquifer Model: <u>Unconfined</u>	Solution Method: <u>Bouwer-Rice</u>
K = <u>3.828 ft/day</u>	y0 = <u>0.9582 ft</u>

RQL-013out				
			Chan[1]	Chan[2]
Date	Time	ET (sec)	Celsius	Feet H2O
-----	-----	-----	-----	-----
1/13/2004	11:26:32	0.0000	11.6900	0.0000
1/13/2004	11:26:32	0.3000	11.7200	0.0070
1/13/2004	11:26:33	0.6000	11.7300	0.0100
1/13/2004	11:26:33	0.9000	11.7300	-0.0320
1/13/2004	11:26:33	1.2000	11.7300	-1.7510
1/13/2004	11:26:33	1.5000	11.7400	-0.3550
1/13/2004	11:26:34	1.8000	11.7400	-0.6480
1/13/2004	11:26:34	2.1000	11.7400	-1.1120
1/13/2004	11:26:34	2.4000	11.7400	-1.0650
1/13/2004	11:26:35	2.7000	11.7400	-1.0160
1/13/2004	11:26:35	3.0000	11.7500	-0.9730
1/13/2004	11:26:35	3.3000	11.7500	-0.9310
1/13/2004	11:26:36	3.6000	11.7500	-0.9000
1/13/2004	11:26:36	3.9000	11.7500	-0.8660
1/13/2004	11:26:36	4.2000	11.7500	-0.8350
1/13/2004	11:26:36	4.5000	11.7500	-0.8100
1/13/2004	11:26:37	4.8000	11.7500	-0.7820
1/13/2004	11:26:37	5.1000	11.7500	-0.7570
1/13/2004	11:26:37	5.4000	11.7500	-0.7330
1/13/2004	11:26:38	5.7000	11.7500	-0.7120
1/13/2004	11:26:38	6.0000	11.7500	-0.6920
1/13/2004	11:26:38	6.4000	11.7500	-0.6720
1/13/2004	11:26:39	6.7000	11.7500	-0.6470
1/13/2004	11:26:39	7.1000	11.7500	-0.6280
1/13/2004	11:26:40	7.5000	11.7500	-0.6050
1/13/2004	11:26:40	8.0000	11.7700	-0.5830
1/13/2004	11:26:40	8.4000	11.7700	-0.5620
1/13/2004	11:26:41	8.9000	11.7700	-0.5400
1/13/2004	11:26:41	9.5000	11.7700	-0.5240
1/13/2004	11:26:42	10.0000	11.7500	-0.5090
1/13/2004	11:26:43	10.6000	11.7400	-0.4890
1/13/2004	11:26:43	11.3000	11.7400	-0.4700
1/13/2004	11:26:44	11.9000	11.7400	-0.4520
1/13/2004	11:26:45	12.6000	11.7400	-0.4360
1/13/2004	11:26:45	13.4000	11.7300	-0.4180
1/13/2004	11:26:46	14.2000	11.7400	-0.4020
1/13/2004	11:26:47	15.0000	11.7300	-0.3830
1/13/2004	11:26:48	15.9000	11.7300	-0.3670
1/13/2004	11:26:49	16.8000	11.7300	-0.3520
1/13/2004	11:26:50	17.8000	11.7300	-0.3380
1/13/2004	11:26:51	18.9000	11.7300	-0.3220
1/13/2004	11:26:52	20.0000	11.7300	-0.3070
1/13/2004	11:26:53	21.2000	11.7300	-0.2940
1/13/2004	11:26:54	22.4000	11.7200	-0.2800
1/13/2004	11:26:56	23.8000	11.7200	-0.2670

			Chan[1]	Chan[2]
Date	Time	ET (sec)	Celsius	Feet H2O
-----	-----	-----	-----	-----
1/13/2004	11:26:57	25.2000	11.7200	-0.2560
1/13/2004	11:26:59	26.7000	11.7200	-0.2430
1/13/2004	11:27:00	28.2000	11.7200	-0.2330
1/13/2004	11:27:02	29.8000	11.7200	-0.2200
1/13/2004	11:27:03	31.5000	11.7200	-0.2110
1/13/2004	11:27:05	33.3000	11.7200	-0.2000
1/13/2004	11:27:07	35.2000	11.7200	-0.1910
1/13/2004	11:27:09	37.3000	11.7200	-0.1820
1/13/2004	11:27:11	39.5000	11.7200	-0.1730
1/13/2004	11:27:14	41.8000	11.7200	-0.1640
1/13/2004	11:27:16	44.3000	11.7200	-0.1560
1/13/2004	11:27:19	46.9000	11.7200	-0.1490
1/13/2004	11:27:22	49.7000	11.7200	-0.1420
1/13/2004	11:27:25	52.6000	11.7200	-0.1330
1/13/2004	11:27:28	55.7000	11.7200	-0.1270
1/13/2004	11:27:31	59.0000	11.7200	-0.1200
1/13/2004	11:27:34	62.5000	11.7200	-0.1150
1/13/2004	11:27:38	66.2000	11.7200	-0.1080
1/13/2004	11:27:42	70.1000	11.7200	-0.1040
1/13/2004	11:27:46	74.3000	11.7200	-0.0980
1/13/2004	11:27:51	78.7000	11.7200	-0.0910
1/13/2004	11:27:55	83.4000	11.7200	-0.0880
1/13/2004	11:28:00	88.4000	11.7200	-0.0820
1/13/2004	11:28:06	93.7000	11.7200	-0.0790
1/13/2004	11:28:11	99.3000	11.7200	-0.0750
1/13/2004	11:28:17	105.2000	11.7000	-0.0710
1/13/2004	11:28:23	111.5000	11.7200	-0.0680
1/13/2004	11:28:30	118.1000	11.7200	-0.0680
1/13/2004	11:28:37	125.1000	11.7200	-0.0620
1/13/2004	11:28:45	132.6000	11.7000	-0.0600
1/13/2004	11:28:52	140.5000	11.7200	-0.0510
1/13/2004	11:29:01	148.9000	11.7200	-0.0480
1/13/2004	11:29:10	157.8000	11.7200	-0.0440
1/13/2004	11:29:19	167.2000	11.7200	-0.0420
1/13/2004	11:29:29	177.2000	11.7200	-0.0400
1/13/2004	11:29:40	187.8000	11.7200	-0.0390
1/13/2004	11:29:51	199.0000	11.7200	-0.0370
1/13/2004	11:30:03	210.9000	11.7200	-0.0330
1/13/2004	11:30:15	223.5000	11.7200	-0.0330
1/13/2004	11:30:29	236.8000	11.7200	-0.0280
1/13/2004	11:30:43	250.9000	11.7200	-0.0260
1/13/2004	11:30:58	265.8000	11.7200	-0.0240
1/13/2004	11:31:14	281.6000	11.7200	-0.0240
1/13/2004	11:31:30	298.4000	11.7200	-0.0220
1/13/2004	11:31:48	316.2000	11.7200	-0.0190
1/13/2004	11:32:07	335.0000	11.7200	-0.0190
1/13/2004	11:32:27	354.9000	11.7200	-0.0170

			Chan[1]	Chan[2]
Date	Time	ET (sec)	Celsius	Feet H2O
-----	-----	-----	-----	-----
1/13/2004	11:32:48	376.0000	11.7200	-0.0170
1/13/2004	11:33:10	398.4000	11.7200	-0.0130
1/13/2004	11:33:34	422.1000	11.7200	-0.0130
1/13/2004	11:33:59	447.2000	11.7200	-0.0130
1/13/2004	11:34:26	473.8000	11.7300	-0.0120
1/13/2004	11:34:54	502.0000	11.7300	-0.0120
1/13/2004	11:35:24	531.9000	11.7300	-0.0100
1/13/2004	11:35:54	561.9000	11.7300	-0.0100
1/13/2004	11:36:24	591.9000	11.7300	-0.0100
1/13/2004	11:36:54	621.9000	11.7300	-0.0100
1/13/2004	11:37:24	651.9000	11.7300	-0.0080
1/13/2004	11:37:54	681.9000	11.7300	-0.0060
1/13/2004	11:38:24	711.9000	11.7300	-0.0080
1/13/2004	11:38:54	741.9000	11.7300	-0.0080
1/13/2004	11:39:24	771.9000	11.7300	-0.0080
1/13/2004	11:39:54	801.9000	11.7300	-0.0060
1/13/2004	11:40:24	831.9000	11.7300	-0.0060
1/13/2004	11:40:54	861.9000	11.7300	-0.0060
1/13/2004	11:41:24	891.9000	11.7200	-0.0040
1/13/2004	11:41:54	921.9000	11.7200	-0.0040
1/13/2004	11:42:24	951.9000	11.7200	-0.0040
1/13/2004	11:42:54	981.9000	11.7200	-0.0020
1/13/2004	11:43:24	1011.9000	11.7200	-0.0040
1/13/2004	11:43:54	1041.9000	11.7200	-0.0020
1/13/2004	11:44:24	1071.9000	11.7000	-0.0020
1/13/2004	11:44:54	1101.9000	11.7000	-0.0020
1/13/2004	11:45:24	1131.9000	11.7000	0.0000
1/13/2004	11:45:54	1161.9000	11.7000	0.0000
1/13/2004	11:46:24	1191.9000	11.7000	0.0010
1/13/2004	11:46:54	1221.9000	11.7000	0.0000
1/13/2004	11:47:24	1251.9000	11.7000	0.0000
1/13/2004	11:47:54	1281.9000	11.7000	0.0000
1/13/2004	11:48:24	1311.9000	11.7200	-0.0010
1/13/2004	11:48:54	1341.9000	11.7200	-0.0020
1/13/2004	11:49:24	1371.9000	11.7200	0.0010
1/13/2004	11:49:54	1401.9000	11.7200	-0.0020
1/13/2004	11:50:24	1431.9000	11.7200	-0.0010
1/13/2004	11:50:54	1461.9000	11.7200	-0.0020
1/13/2004	11:51:24	1491.9000	11.7300	-0.0030
1/13/2004	11:51:54	1521.9000	11.7300	-0.0030
1/13/2004	11:52:24	1551.9000	11.7300	-0.0050
1/13/2004	11:52:54	1581.9000	11.7300	-0.0030
1/13/2004	11:53:24	1611.9000	11.7300	-0.0030
1/13/2004	11:53:54	1641.9000	11.7300	-0.0010
1/13/2004	11:54:24	1671.9000	11.7300	-0.0010
1/13/2004	11:54:54	1701.9000	11.7300	-0.0010
1/13/2004	11:55:24	1731.9000	11.7300	-0.0010

			Chan[1]	Chan[2]
Date	Time	ET (sec)	Celsius	Feet H2O
-----	-----	-----	-----	-----
1/13/2004	11:55:54	1761.9000	11.7300	-0.0010
1/13/2004	11:56:24	1791.9000	11.7300	0.0010
1/13/2004	11:56:54	1821.9000	11.7400	-0.0010
1/13/2004	11:57:24	1851.9000	11.7300	-0.0010
1/13/2004	11:57:54	1881.9000	11.7400	-0.0030
1/13/2004	11:58:24	1911.9000	11.7400	-0.0010
1/13/2004	11:58:54	1941.9000	11.7400	-0.0010
1/13/2004	11:59:24	1971.9000	11.7400	-0.0030
1/13/2004	11:59:54	2001.9000	11.7400	-0.0030
1/13/2004	12:00:24	2031.9000	11.7400	-0.0010
1/13/2004	12:00:54	2061.9000	11.7400	-0.0010
1/13/2004	12:01:24	2091.9000	11.7400	-0.0030
1/13/2004	12:01:54	2121.9000	11.7400	-0.0030
1/13/2004	12:02:24	2151.9000	11.7400	-0.0010
1/13/2004	12:02:54	2181.9000	11.7400	-0.0010
1/13/2004	12:03:24	2211.9000	11.7400	-0.0030
1/13/2004	12:03:54	2241.9000	11.7400	-0.0030
1/13/2004	12:04:24	2271.9000	11.7400	-0.0030
1/13/2004	12:04:54	2301.9000	11.7400	-0.0030
1/13/2004	12:05:24	2331.9000	11.7400	-0.0030
1/13/2004	12:05:54	2361.9000	11.7400	-0.0050
1/13/2004	12:06:24	2391.9000	11.7400	-0.0070
1/13/2004	12:06:54	2421.9000	11.7400	-0.0030
1/13/2004	12:07:24	2451.9000	11.7400	-0.0030
1/13/2004	12:07:54	2481.9000	11.7400	-0.0030
1/13/2004	12:08:24	2511.9000	11.7400	-0.0010
1/13/2004	12:08:54	2541.9000	11.7400	-0.0010
1/13/2004	12:09:24	2571.9000	11.7400	-0.0010
1/13/2004	12:09:54	2601.9000	11.7400	0.0010
1/13/2004	12:10:24	2631.9000	11.7400	-0.0030
1/13/2004	12:10:54	2661.9000	11.7400	0.0010
1/13/2004	12:11:24	2691.9000	11.7400	-0.0010
1/13/2004	12:11:54	2721.9000	11.7400	-0.0010
1/13/2004	12:12:24	2751.9000	11.7500	-0.0020
1/13/2004	12:12:54	2781.9000	11.7400	0.0010
1/13/2004	12:13:24	2811.9000	11.7500	0.0000
1/13/2004	12:13:54	2841.9000	11.7500	0.0020
1/13/2004	12:14:24	2871.9000	11.7500	0.0000
1/13/2004	12:14:54	2901.9000	11.7500	0.0000
1/13/2004	12:15:24	2931.9000	11.7500	0.0000
1/13/2004	12:15:54	2961.9000	11.7500	0.0000
1/13/2004	12:16:24	2991.9000	11.7500	0.0020
1/13/2004	12:16:54	3021.9000	11.7500	0.0000
1/13/2004	12:17:24	3051.9000	11.7500	0.0020
1/13/2004	12:17:54	3081.9000	11.7700	0.0040
1/13/2004	12:18:24	3111.9000	11.7500	0.0020
1/13/2004	12:18:54	3141.9000	11.7700	0.0040

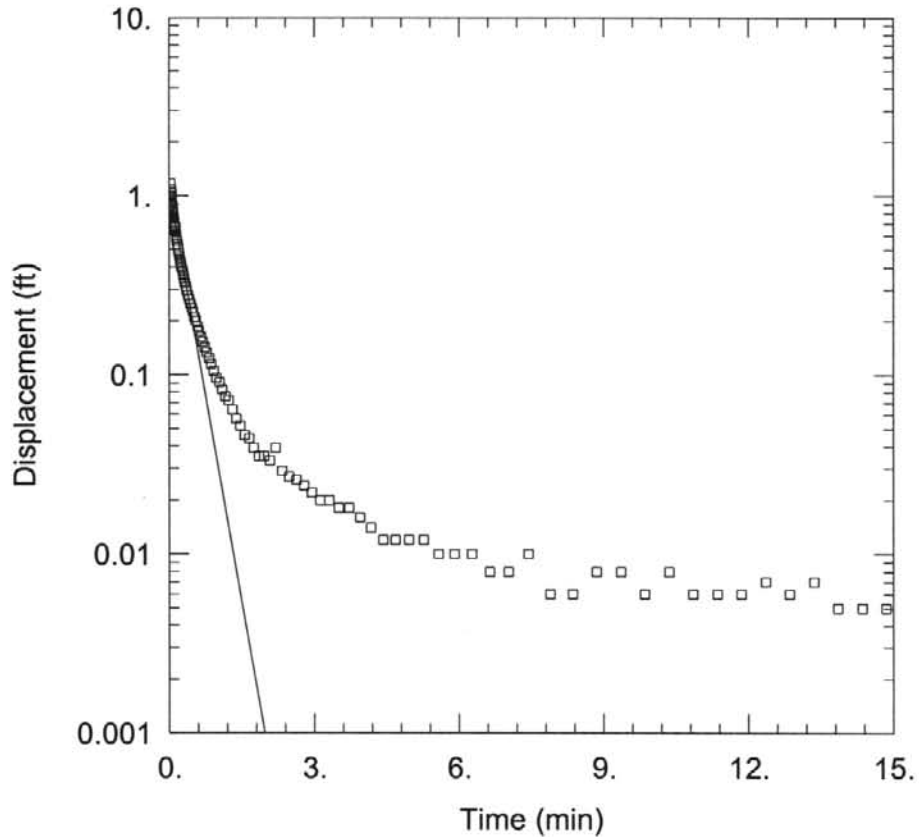


			Chan[1]	Chan[2]
Date	Time	ET (sec)	Celsius	Feet H2O
-----	-----	-----	-----	-----
1/13/2004	12:19:24	3171.9000	11.7700	0.0020
1/13/2004	12:19:54	3201.9000	11.7700	0.0050
1/13/2004	12:20:24	3231.9000	11.7700	0.0040
1/13/2004	12:20:54	3261.9000	11.7700	0.0020
1/13/2004	12:21:24	3291.9000	11.7700	0.0040
1/13/2004	12:21:54	3321.9000	11.7700	0.0040
1/13/2004	12:22:24	3351.9000	11.7700	0.0040
1/13/2004	12:22:54	3381.9000	11.7700	0.0070
1/13/2004	12:23:24	3411.9000	11.7700	0.0050
1/13/2004	12:23:54	3441.9000	11.7700	0.0050
1/13/2004	12:24:24	3471.9000	11.7700	0.0050
1/13/2004	12:24:54	3501.9000	11.7700	0.0040
1/13/2004	12:25:24	3531.9000	11.7700	0.0040
1/13/2004	12:25:54	3561.9000	11.7700	0.0050
1/13/2004	12:26:24	3591.9000	11.7700	0.0050
1/13/2004	12:26:54	3621.9000	11.7700	0.0050
1/13/2004	12:27:24	3651.9000	11.7700	0.0050
1/13/2004	12:27:54	3681.9000	11.7700	0.0050
1/13/2004	12:28:24	3711.9000	11.7800	0.0050
1/13/2004	12:28:54	3741.9000	11.7800	0.0030
1/13/2004	12:29:24	3771.9000	11.7800	0.0050
1/13/2004	12:29:54	3801.9000	11.7800	0.0050
1/13/2004	12:30:24	3831.9000	11.7800	0.0030
1/13/2004	12:30:54	3861.9000	11.7800	0.0030
1/13/2004	12:31:24	3891.9000	11.7800	0.0030
1/13/2004	12:31:54	3921.9000	11.7800	0.0050
1/13/2004	12:32:24	3951.9000	11.7800	0.0050
1/13/2004	12:32:54	3981.9000	11.7800	0.0050
1/13/2004	12:33:24	4011.9000	11.7800	0.0050
1/13/2004	12:33:54	4041.9000	11.7800	0.0030
1/13/2004	12:34:24	4071.9000	11.7800	0.0030
1/13/2004	12:34:54	4101.9000	11.7800	0.0030
1/13/2004	12:35:24	4131.9000	11.7900	0.0050
1/13/2004	12:35:54	4161.9000	11.7800	0.0050
1/13/2004	12:36:24	4191.9000	11.7900	0.0030
1/13/2004	12:36:54	4221.9000	11.7900	0.0050
1/13/2004	12:37:24	4251.9000	11.7900	0.0030
1/13/2004	12:37:54	4281.9000	11.7900	0.0050
1/13/2004	12:38:24	4311.9000	11.7900	0.0050
1/13/2004	12:38:54	4341.9000	11.7900	0.0050
1/13/2004	12:39:24	4371.9000	11.7900	0.0050
1/13/2004	12:39:54	4401.9000	11.7900	0.0050
1/13/2004	12:40:24	4431.9000	11.7900	0.0070
1/13/2004	12:40:54	4461.9000	11.7900	0.0070
1/13/2004	12:41:24	4491.9000	11.7900	0.0050
1/13/2004	12:41:54	4521.9000	11.7900	0.0070
1/13/2004	12:42:24	4551.9000	11.7900	0.0050

			Chan[1]	Chan[2]
Date	Time	ET (sec)	Celsius	Feet H2O
-----	-----	-----	-----	-----
1/13/2004	12:42:54	4581.9000	11.7900	0.0050
1/13/2004	12:43:24	4611.9000	11.7900	0.0070
1/13/2004	12:43:54	4641.9000	11.7900	0.0050
1/13/2004	12:44:24	4671.9000	11.7900	0.0070
1/13/2004	12:44:54	4701.9000	11.7900	0.0070
1/13/2004	12:45:24	4731.9000	11.7900	0.0070
1/13/2004	12:45:54	4761.9000	11.7900	0.0070
1/13/2004	12:46:24	4791.9000	11.7900	0.0080
1/13/2004	12:46:54	4821.9000	11.8000	0.0080
1/13/2004	12:47:24	4851.9000	11.8000	0.0060
1/13/2004	12:47:54	4881.9000	11.8000	0.0080
1/13/2004	12:48:24	4911.9000	11.8000	0.0060
1/13/2004	12:48:54	4941.9000	11.8000	0.0060
1/13/2004	12:49:24	4971.9000	11.8000	0.0030
1/13/2004	12:49:54	5001.9000	11.8000	0.0080
1/13/2004	12:50:24	5031.9000	11.8000	0.0080
1/13/2004	12:50:54	5061.9000	11.8000	0.0080
1/13/2004	12:51:24	5091.9000	11.8000	0.0080
1/13/2004	12:51:54	5121.9000	11.8000	0.0060
1/13/2004	12:52:24	5151.9000	11.8000	0.0060
1/13/2004	12:52:54	5181.9000	11.8000	0.0060
1/13/2004	12:53:24	5211.9000	11.8000	0.0060
1/13/2004	12:53:54	5241.9000	11.8000	0.0080
1/13/2004	12:54:24	5271.9000	11.8000	0.0060
1/13/2004	12:54:54	5301.9000	11.8000	0.0080
1/13/2004	12:55:24	5331.9000	11.8000	0.0080
1/13/2004	12:55:54	5361.9000	11.8000	0.0100
1/13/2004	12:56:24	5391.9000	11.8000	0.0080
1/13/2004	12:56:54	5421.9000	11.8000	0.0100
1/13/2004	12:57:24	5451.9000	11.8000	0.0080
1/13/2004	12:57:54	5481.9000	11.8000	0.0080
1/13/2004	12:58:24	5511.9000	11.8000	0.0080
1/13/2004	12:58:54	5541.9000	11.8000	0.0060
1/13/2004	12:59:24	5571.9000	11.8000	0.0080
1/13/2004	12:59:54	5601.9000	11.8000	0.0060
1/13/2004	13:00:24	5631.9000	11.8000	0.0060
1/13/2004	13:00:54	5661.9000	11.8000	0.0080
1/13/2004	13:01:24	5691.9000	11.8000	0.0080
1/13/2004	13:01:54	5721.9000	11.8000	0.0170
1/13/2004	13:02:24	5751.9000	11.8000	0.0060
1/13/2004	13:02:54	5781.9000	11.8000	0.0040
1/13/2004	13:03:24	5811.9000	11.8000	0.0080
1/13/2004	13:03:54	5841.9000	11.8000	0.0080



<b>In-Situ Inc.</b>	<b>MiniTroll Pro</b>	
<b>Report generated:</b>	1/15/2004	11:10:57
<b>Report from file:</b>	...\SN04913 2004-01-13 111558 RQL-014in.bin	
<b>Win-Situ Version</b>	4.46	
<b>Serial number:</b>	4913	
<b>Firmware Version</b>	3.09	
<b>Unit name:</b>	14879	
<b>Test name:</b>		RQL-014in
<b>Test defined on:</b>	1/13/2004	11:15:46
<b>Test started on:</b>	1/13/2004	11:15:58
<b>Test stopped on:</b>	1/13/2004	11:54:55
<b>Test extracted on:</b>	N/A	N/A
<b>Data gathered using Logarithmic testing</b>		
<b>Maximum time between data points:</b>	30.0	Seconds.
<b>Number of data samples:</b>	159	
<b>TOTAL DATA SAMPLES</b>	159	
<b>Channel number [1]</b>		
<b>Measurement type:</b>	Temperature	
<b>Channel name:</b>		
<b>Channel number [2]</b>		
<b>Measurement type:</b>	Pressure	
<b>Channel name:</b>	DISPLACEMENT	
<b>Sensor Range:</b>	30 PSIG.	
<b>Specific gravity:</b>	1	
<b>Mode:</b>	Surface	
<b>User-defined reference:</b>	0	Feet H2O
<b>Referenced on:</b>	test start	
<b>Pressure head at reference:</b>	13.458	Feet H2O



<u>WELL TEST ANALYSIS</u>	
Data Set: <u>C:\...\014in.aqt</u>	Time: <u>10:59:12</u>
Date: <u>04/05/04</u>	
<u>AQUIFER DATA</u>	
Saturated Thickness: <u>13. ft</u>	Anisotropy Ratio (Kz/Kr): <u>1.</u>
<u>WELL DATA (RQL014in)</u>	
Initial Displacement: <u>1. ft</u>	Casing Radius: <u>0.083 ft</u>
Wellbore Radius: <u>0.34 ft</u>	Well Skin Radius: <u>0.34 ft</u>
Screen Length: <u>10. ft</u>	Total Well Penetration Depth: <u>13. ft</u>
Gravel Pack Porosity: <u>0.3</u>	
<u>SOLUTION</u>	
Aquifer Model: <u>Unconfined</u>	Solution Method: <u>Bouwer-Rice</u>
K = <u>4.761 ft/day</u>	y0 = <u>1.096 ft</u>

RQL-014in				
			Chan[1]	Chan[2]
Date	Time	ET (sec)	Celsius	Feet H2O
-----	-----	-----	-----	-----
1/13/2004	11:15:58	0.0000	11.4900	0.0000
1/13/2004	11:15:58	0.3000	11.5100	0.0050
1/13/2004	11:15:58	0.6000	11.5300	0.0070
1/13/2004	11:15:58	0.9000	11.5300	0.0090
1/13/2004	11:15:59	1.2000	11.5300	0.0100
1/13/2004	11:15:59	1.5000	11.5300	0.8480
1/13/2004	11:15:59	1.8000	11.5400	1.5170
1/13/2004	11:16:00	2.1000	11.5400	1.1580
1/13/2004	11:16:00	2.4000	11.5400	0.9660
1/13/2004	11:16:00	2.7000	11.5400	0.8900
1/13/2004	11:16:01	3.0000	11.5400	1.0640
1/13/2004	11:16:01	3.3000	11.5400	1.0100
1/13/2004	11:16:01	3.6000	11.5400	0.8730
1/13/2004	11:16:01	3.9000	11.5400	0.8970
1/13/2004	11:16:02	4.2000	11.5400	0.8530
1/13/2004	11:16:02	4.5000	11.5500	0.8210
1/13/2004	11:16:02	4.8000	11.5500	0.7990
1/13/2004	11:16:03	5.1000	11.5500	0.7770
1/13/2004	11:16:03	5.4000	11.5500	0.7590
1/13/2004	11:16:03	5.7000	11.5500	0.7380
1/13/2004	11:16:04	6.0000	11.5500	0.7200
1/13/2004	11:16:04	6.4000	11.5500	0.7010
1/13/2004	11:16:04	6.7000	11.5500	0.6810
1/13/2004	11:16:05	7.1000	11.5500	0.6640
1/13/2004	11:16:05	7.5000	11.5500	0.6400
1/13/2004	11:16:06	8.0000	11.5500	0.6180
1/13/2004	11:16:06	8.4000	11.5500	0.6460
1/13/2004	11:16:06	8.9000	11.5500	0.5810
1/13/2004	11:16:07	9.5000	11.5500	0.5610
1/13/2004	11:16:08	10.0000	11.5400	0.5350
1/13/2004	11:16:08	10.6000	11.5400	0.5150
1/13/2004	11:16:09	11.3000	11.5400	0.4940
1/13/2004	11:16:09	11.9000	11.5400	0.4760
1/13/2004	11:16:10	12.6000	11.5400	0.4560
1/13/2004	11:16:11	13.4000	11.5300	0.4370
1/13/2004	11:16:12	14.2000	11.5300	0.4170
1/13/2004	11:16:13	15.0000	11.5300	0.3970
1/13/2004	11:16:13	15.9000	11.5300	0.3780
1/13/2004	11:16:14	16.8000	11.5300	0.3580
1/13/2004	11:16:15	17.8000	11.5300	0.3410
1/13/2004	11:16:16	18.9000	11.5300	0.3250
1/13/2004	11:16:18	20.0000	11.5300	0.3080
1/13/2004	11:16:19	21.2000	11.5300	0.2910
1/13/2004	11:16:20	22.4000	11.5300	0.2750

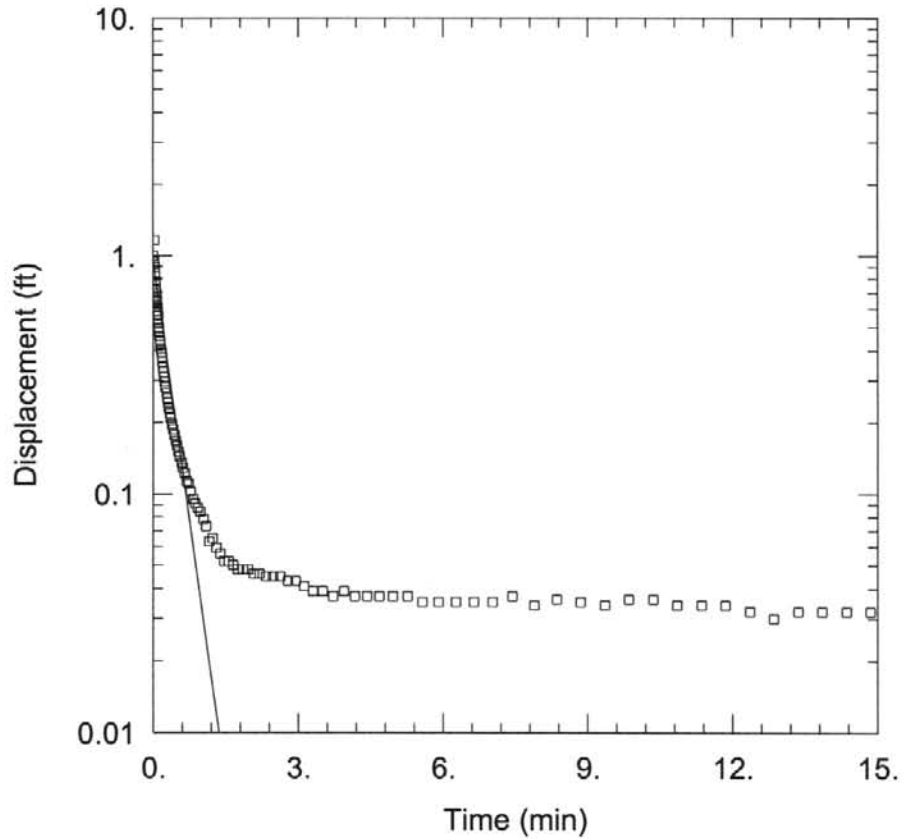
			Chan[1]	Chan[2]
Date	Time	ET (sec)	Celsius	Feet H2O
-----	-----	-----	-----	-----
1/13/2004	11:16:21	23.8000	11.5300	0.2580
1/13/2004	11:16:23	25.2000	11.5300	0.2430
1/13/2004	11:16:24	26.7000	11.5300	0.2290
1/13/2004	11:16:26	28.2000	11.5300	0.2160
1/13/2004	11:16:27	29.8000	11.5300	0.2030
1/13/2004	11:16:29	31.5000	11.5300	0.1900
1/13/2004	11:16:31	33.3000	11.5300	0.1790
1/13/2004	11:16:33	35.2000	11.5300	0.1660
1/13/2004	11:16:35	37.3000	11.5300	0.1550
1/13/2004	11:16:37	39.5000	11.5300	0.1430
1/13/2004	11:16:39	41.8000	11.5300	0.1320
1/13/2004	11:16:42	44.3000	11.5300	0.1210
1/13/2004	11:16:44	46.9000	11.5300	0.1120
1/13/2004	11:16:47	49.7000	11.5300	0.1030
1/13/2004	11:16:50	52.6000	11.5300	0.0940
1/13/2004	11:16:53	55.7000	11.5300	0.0840
1/13/2004	11:16:57	59.0000	11.5300	0.0750
1/13/2004	11:17:00	62.5000	11.5300	0.0700
1/13/2004	11:17:04	66.2000	11.5300	0.0620
1/13/2004	11:17:08	70.1000	11.5300	0.0550
1/13/2004	11:17:12	74.3000	11.5300	0.0510
1/13/2004	11:17:16	78.7000	11.5400	0.0430
1/13/2004	11:17:21	83.4000	11.5300	0.0360
1/13/2004	11:17:26	88.4000	11.5300	0.0310
1/13/2004	11:17:31	93.7000	11.5300	0.0250
1/13/2004	11:17:37	99.3000	11.5400	0.0230
1/13/2004	11:17:43	105.2000	11.5400	0.0180
1/13/2004	11:17:49	111.5000	11.5400	0.0140
1/13/2004	11:17:56	118.1000	11.5400	0.0140
1/13/2004	11:18:03	125.1000	11.5400	0.0120
1/13/2004	11:18:10	132.6000	11.5400	0.0180
1/13/2004	11:18:18	140.5000	11.5400	0.0080
1/13/2004	11:18:26	148.9000	11.5400	0.0060
1/13/2004	11:18:35	157.8000	11.5400	0.0050
1/13/2004	11:18:45	167.2000	11.5400	0.0030
1/13/2004	11:18:55	177.2000	11.5400	0.0010
1/13/2004	11:19:05	187.8000	11.5400	-0.0010
1/13/2004	11:19:17	199.0000	11.5500	-0.0010
1/13/2004	11:19:28	210.9000	11.5500	-0.0030
1/13/2004	11:19:41	223.5000	11.5500	-0.0030
1/13/2004	11:19:54	236.8000	11.5500	-0.0050
1/13/2004	11:20:08	250.9000	11.5500	-0.0070
1/13/2004	11:20:23	265.8000	11.5500	-0.0090
1/13/2004	11:20:39	281.6000	11.5600	-0.0090
1/13/2004	11:20:56	298.4000	11.5600	-0.0090
1/13/2004	11:21:14	316.2000	11.5600	-0.0090

			Chan[1]	Chan[2]
Date	Time	ET (sec)	Celsius	Feet H2O
-----	-----	-----	-----	-----
1/13/2004	11:21:33	335.0000	11.5600	-0.0110
1/13/2004	11:21:52	354.9000	11.5600	-0.0110
1/13/2004	11:22:14	376.0000	11.5800	-0.0110
1/13/2004	11:22:36	398.4000	11.5800	-0.0130
1/13/2004	11:23:00	422.1000	11.5800	-0.0130
1/13/2004	11:23:25	447.2000	11.5900	-0.0110
1/13/2004	11:23:51	473.8000	11.5900	-0.0150
1/13/2004	11:24:20	502.0000	11.5900	-0.0150
1/13/2004	11:24:49	531.9000	11.6000	-0.0130
1/13/2004	11:25:19	561.9000	11.6000	-0.0130
1/13/2004	11:25:49	591.9000	11.6000	-0.0150
1/13/2004	11:26:19	621.9000	11.6100	-0.0130
1/13/2004	11:26:49	651.9000	11.6100	-0.0150
1/13/2004	11:27:19	681.9000	11.6100	-0.0150
1/13/2004	11:27:49	711.9000	11.6300	-0.0150
1/13/2004	11:28:19	741.9000	11.6300	-0.0140
1/13/2004	11:28:49	771.9000	11.6300	-0.0150
1/13/2004	11:29:19	801.9000	11.6400	-0.0140
1/13/2004	11:29:49	831.9000	11.6400	-0.0160
1/13/2004	11:30:19	861.9000	11.6400	-0.0160
1/13/2004	11:30:49	891.9000	11.6500	-0.0160
1/13/2004	11:31:19	921.9000	11.6500	-0.0140
1/13/2004	11:31:49	951.9000	11.6500	-0.0160
1/13/2004	11:32:19	981.9000	11.6500	-0.0160
1/13/2004	11:32:49	1011.9000	11.6600	-0.0120
1/13/2004	11:33:19	1041.9000	11.6600	-0.0200
1/13/2004	11:33:49	1071.9000	11.6600	-0.0140
1/13/2004	11:34:19	1101.9000	11.6800	-0.0150
1/13/2004	11:34:49	1131.9000	11.6800	-0.0160
1/13/2004	11:35:19	1161.9000	11.6800	-0.0160
1/13/2004	11:35:49	1191.9000	11.6800	-0.0160
1/13/2004	11:36:19	1221.9000	11.6900	-0.0180
1/13/2004	11:36:49	1251.9000	11.6900	-0.0170
1/13/2004	11:37:19	1281.9000	11.6900	-0.0170
1/13/2004	11:37:49	1311.9000	11.6900	-0.0170
1/13/2004	11:38:19	1341.9000	11.7000	-0.0150
1/13/2004	11:38:49	1371.9000	11.7000	-0.0150
1/13/2004	11:39:19	1401.9000	11.7000	-0.0170
1/13/2004	11:39:49	1431.9000	11.7000	-0.0170
1/13/2004	11:40:19	1461.9000	11.7100	-0.0150
1/13/2004	11:40:49	1491.9000	11.7100	-0.0150
1/13/2004	11:41:19	1521.9000	11.7100	-0.0150
1/13/2004	11:41:49	1551.9000	11.7100	-0.0130
1/13/2004	11:42:19	1581.9000	11.7100	-0.0150
1/13/2004	11:42:49	1611.9000	11.7300	-0.0150
1/13/2004	11:43:19	1641.9000	11.7300	-0.0140

			Chan[1]	Chan[2]
Date	Time	ET (sec)	Celsius	Feet H2O
-----	-----	-----	-----	-----
1/13/2004	11:43:49	1671.9000	11.7300	-0.0150
1/13/2004	11:44:19	1701.9000	11.7300	-0.0140
1/13/2004	11:44:49	1731.9000	11.7300	-0.0120
1/13/2004	11:45:19	1761.9000	11.7400	-0.0120
1/13/2004	11:45:49	1791.9000	11.7400	-0.0140
1/13/2004	11:46:19	1821.9000	11.7400	-0.0140
1/13/2004	11:46:49	1851.9000	11.7400	-0.0140
1/13/2004	11:47:19	1881.9000	11.7400	-0.0160
1/13/2004	11:47:49	1911.9000	11.7400	-0.0160
1/13/2004	11:48:19	1941.9000	11.7500	-0.0140
1/13/2004	11:48:49	1971.9000	11.7500	-0.0160
1/13/2004	11:49:19	2001.9000	11.7500	-0.0140
1/13/2004	11:49:49	2031.9000	11.7500	-0.0160
1/13/2004	11:50:19	2061.9000	11.7500	-0.0180
1/13/2004	11:50:49	2091.9000	11.7500	-0.0160
1/13/2004	11:51:19	2121.9000	11.7500	-0.0160
1/13/2004	11:51:49	2151.9000	11.7600	-0.0180
1/13/2004	11:52:19	2181.9000	11.7600	-0.0160
1/13/2004	11:52:49	2211.9000	11.7600	-0.0140
1/13/2004	11:53:19	2241.9000	11.7600	-0.0160
1/13/2004	11:53:49	2271.9000	11.7600	-0.0140
1/13/2004	11:54:19	2301.9000	11.7600	-0.0160
1/13/2004	11:54:49	2331.9000	11.7600	-0.0140

<b>In-Situ Inc.</b>	<b>MiniTroll Pro</b>	
<b>Report generated:</b>	1/15/2004	11:11:19
<b>Report from file:</b>	...\SN04913 2004-01-13 115534 RQL-014out.bin	
<b>Win-Situ Version</b>	4.46	
<b>Serial number:</b>	4913	
<b>Firmware Version</b>	3.09	
<b>Unit name:</b>	14879	
<b>Test name:</b>		RQL-014out
<b>Test defined on:</b>	1/13/2004	11:55:19
<b>Test started on:</b>	1/13/2004	11:55:34
<b>Test stopped on:</b>	1/13/2004	13:09:52
<b>Test extracted on:</b>	N/A	N/A
<b>Data gathered using Logarithmic testing</b>		
<b>Maximum time between data points:</b>	30.0	Seconds.
<b>Number of data samples:</b>	229	
<b>TOTAL DATA SAMPLES</b>	229	
<b>Channel number [1]</b>		
<b>Measurement type:</b>	Temperature	
<b>Channel name:</b>		
<b>Channel number [2]</b>		
<b>Measurement type:</b>	Pressure	
<b>Channel name:</b>	DISPLACEMENT	
<b>Sensor Range:</b>	30 PSIG.	
<b>Specific gravity:</b>	1	
<b>Mode:</b>	Surface	
<b>User-defined reference:</b>	0	Feet H2O
<b>Referenced on:</b>	test start	
<b>Pressure head at reference:</b>	13.444	Feet H2O





<u>WELL TEST ANALYSIS</u>	
Data Set: C:\...\014out_1.aqt	Time: 11:01:46
Date: 04/05/04	
<u>AQUIFER DATA</u>	
Saturated Thickness: 13. ft	Anisotropy Ratio (Kz/Kr): 1.
<u>WELL DATA (RQL014out 1)</u>	
Initial Displacement: 1. ft	Casing Radius: 0.083 ft
Wellbore Radius: 0.34 ft	Well Skin Radius: 0.34 ft
Screen Length: 10. ft	Total Well Penetration Depth: 13. ft
Gravel Pack Porosity: 0.3	
<u>SOLUTION</u>	
Aquifer Model: <u>Unconfined</u>	Solution Method: <u>Bouwer-Rice</u>
K = 4.502 ft/day	y0 = 0.9536 ft

RQL-014out				
			Chan[1]	Chan[2]
Date	Time	ET (sec)	Celsius	Feet H2O
-----	-----	-----	-----	-----
1/13/2004	11:55:34	0.0000	11.7800	0.0000
1/13/2004	11:55:34	0.3000	11.7900	0.0050
1/13/2004	11:55:35	0.6000	11.8000	0.0070
1/13/2004	11:55:35	0.9000	11.8000	0.0030
1/13/2004	11:55:35	1.2000	11.8200	-2.1820
1/13/2004	11:55:36	1.5000	11.8200	0.5430
1/13/2004	11:55:36	1.8000	11.8200	-1.1600
1/13/2004	11:55:36	2.1000	11.8200	-0.9420
1/13/2004	11:55:36	2.4000	11.8200	-0.8900
1/13/2004	11:55:37	2.7000	11.8200	-0.8470
1/13/2004	11:55:37	3.0000	11.8200	-0.8180
1/13/2004	11:55:37	3.3000	11.8300	-0.7790
1/13/2004	11:55:38	3.6000	11.8300	-0.7550
1/13/2004	11:55:38	3.9000	11.8300	-0.7260
1/13/2004	11:55:38	4.2000	11.8300	-0.6940
1/13/2004	11:55:39	4.5000	11.8200	-0.6750
1/13/2004	11:55:39	4.8000	11.8300	-0.6520
1/13/2004	11:55:39	5.1000	11.8300	-0.6440
1/13/2004	11:55:39	5.4000	11.8300	-0.6390
1/13/2004	11:55:40	5.7000	11.8300	-0.6070
1/13/2004	11:55:40	6.0000	11.8300	-0.5810
1/13/2004	11:55:40	6.4000	11.8300	-0.5590
1/13/2004	11:55:41	6.7000	11.8300	-0.5370
1/13/2004	11:55:41	7.1000	11.8300	-0.5190
1/13/2004	11:55:42	7.5000	11.8300	-0.4960
1/13/2004	11:55:42	8.0000	11.8300	-0.4800
1/13/2004	11:55:42	8.4000	11.8300	-0.4610
1/13/2004	11:55:43	8.9000	11.8400	-0.4340
1/13/2004	11:55:44	9.5000	11.8300	-0.4210
1/13/2004	11:55:44	10.0000	11.8200	-0.4060
1/13/2004	11:55:45	10.6000	11.8200	-0.3910
1/13/2004	11:55:45	11.3000	11.8200	-0.3740
1/13/2004	11:55:46	11.9000	11.8200	-0.3570
1/13/2004	11:55:47	12.6000	11.8200	-0.3390
1/13/2004	11:55:47	13.4000	11.8200	-0.3240
1/13/2004	11:55:48	14.2000	11.8200	-0.3090
1/13/2004	11:55:49	15.0000	11.8200	-0.2960
1/13/2004	11:55:50	15.9000	11.8200	-0.2800
1/13/2004	11:55:51	16.8000	11.8200	-0.2650
1/13/2004	11:55:52	17.8000	11.8000	-0.2520
1/13/2004	11:55:53	18.9000	11.8000	-0.2410
1/13/2004	11:55:54	20.0000	11.8000	-0.2280
1/13/2004	11:55:55	21.2000	11.8000	-0.2170
1/13/2004	11:55:57	22.4000	11.8000	-0.2080

			Chan[1]	Chan[2]
Date	Time	ET (sec)	Celsius	Feet H2O
-----	-----	-----	-----	-----
1/13/2004	11:55:58	23.8000	11.8000	-0.1960
1/13/2004	11:55:59	25.2000	11.8000	-0.1870
1/13/2004	11:56:01	26.7000	11.8000	-0.1760
1/13/2004	11:56:02	28.2000	11.8000	-0.1670
1/13/2004	11:56:04	29.8000	11.8000	-0.1590
1/13/2004	11:56:06	31.5000	11.8000	-0.1500
1/13/2004	11:56:07	33.3000	11.8000	-0.1430
1/13/2004	11:56:09	35.2000	11.8000	-0.1350
1/13/2004	11:56:11	37.3000	11.8000	-0.1280
1/13/2004	11:56:14	39.5000	11.8000	-0.1220
1/13/2004	11:56:16	41.8000	11.8000	-0.1130
1/13/2004	11:56:18	44.3000	11.8000	-0.1100
1/13/2004	11:56:21	46.9000	11.8000	-0.1020
1/13/2004	11:56:24	49.7000	11.8000	-0.0950
1/13/2004	11:56:27	52.6000	11.8000	-0.0910
1/13/2004	11:56:30	55.7000	11.8000	-0.0870
1/13/2004	11:56:33	59.0000	11.8000	-0.0840
1/13/2004	11:56:37	62.5000	11.8000	-0.0780
1/13/2004	11:56:40	66.2000	11.8000	-0.0730
1/13/2004	11:56:44	70.1000	11.8000	-0.0630
1/13/2004	11:56:48	74.3000	11.8000	-0.0650
1/13/2004	11:56:53	78.7000	11.7900	-0.0590
1/13/2004	11:56:57	83.4000	11.7900	-0.0560
1/13/2004	11:57:02	88.4000	11.7900	-0.0520
1/13/2004	11:57:08	93.7000	11.7900	-0.0520
1/13/2004	11:57:13	99.3000	11.7900	-0.0500
1/13/2004	11:57:19	105.2000	11.7900	-0.0480
1/13/2004	11:57:26	111.5000	11.7900	-0.0480
1/13/2004	11:57:32	118.1000	11.7900	-0.0480
1/13/2004	11:57:39	125.1000	11.7900	-0.0460
1/13/2004	11:57:47	132.6000	11.7900	-0.0460
1/13/2004	11:57:55	140.5000	11.7900	-0.0450
1/13/2004	11:58:03	148.9000	11.7900	-0.0450
1/13/2004	11:58:12	157.8000	11.7900	-0.0450
1/13/2004	11:58:21	167.2000	11.7900	-0.0430
1/13/2004	11:58:31	177.2000	11.7900	-0.0430
1/13/2004	11:58:42	187.8000	11.7900	-0.0410
1/13/2004	11:58:53	199.0000	11.7900	-0.0390
1/13/2004	11:59:05	210.9000	11.7900	-0.0390
1/13/2004	11:59:18	223.5000	11.7900	-0.0370
1/13/2004	11:59:31	236.8000	11.7900	-0.0390
1/13/2004	11:59:45	250.9000	11.7900	-0.0370
1/13/2004	12:00:00	265.8000	11.7900	-0.0370
1/13/2004	12:00:16	281.6000	11.7900	-0.0370
1/13/2004	12:00:32	298.4000	11.7900	-0.0370
1/13/2004	12:00:50	316.2000	11.7900	-0.0370

			Chan[1]	Chan[2]
Date	Time	ET (sec)	Celsius	Feet H2O
-----	-----	-----	-----	-----
1/13/2004	12:01:09	335.0000	11.7900	-0.0350
1/13/2004	12:01:29	354.9000	11.7900	-0.0350
1/13/2004	12:01:50	376.0000	11.7900	-0.0350
1/13/2004	12:02:12	398.4000	11.7900	-0.0350
1/13/2004	12:02:36	422.1000	11.7900	-0.0350
1/13/2004	12:03:01	447.2000	11.7900	-0.0370
1/13/2004	12:03:28	473.8000	11.7900	-0.0340
1/13/2004	12:03:56	502.0000	11.8000	-0.0360
1/13/2004	12:04:26	531.9000	11.7900	-0.0350
1/13/2004	12:04:56	561.9000	11.8000	-0.0340
1/13/2004	12:05:26	591.9000	11.8000	-0.0360
1/13/2004	12:05:56	621.9000	11.8000	-0.0360
1/13/2004	12:06:26	651.9000	11.8000	-0.0340
1/13/2004	12:06:56	681.9000	11.8000	-0.0340
1/13/2004	12:07:26	711.9000	11.8000	-0.0340
1/13/2004	12:07:56	741.9000	11.8000	-0.0320
1/13/2004	12:08:26	771.9000	11.8000	-0.0300
1/13/2004	12:08:56	801.9000	11.8000	-0.0320
1/13/2004	12:09:26	831.9000	11.8000	-0.0320
1/13/2004	12:09:56	861.9000	11.8000	-0.0320
1/13/2004	12:10:26	891.9000	11.8000	-0.0320
1/13/2004	12:10:56	921.9000	11.8200	-0.0280
1/13/2004	12:11:26	951.9000	11.8200	-0.0300
1/13/2004	12:11:56	981.9000	11.8200	-0.0300
1/13/2004	12:12:26	1011.9000	11.8200	-0.0300
1/13/2004	12:12:56	1041.9000	11.8200	-0.0280
1/13/2004	12:13:26	1071.9000	11.8200	-0.0280
1/13/2004	12:13:56	1101.9000	11.8200	-0.0280
1/13/2004	12:14:26	1131.9000	11.8200	-0.0300
1/13/2004	12:14:56	1161.9000	11.8200	-0.0300
1/13/2004	12:15:26	1191.9000	11.8200	-0.0300
1/13/2004	12:15:56	1221.9000	11.8200	-0.0300
1/13/2004	12:16:26	1251.9000	11.8200	-0.0300
1/13/2004	12:16:56	1281.9000	11.8200	-0.0280
1/13/2004	12:17:26	1311.9000	11.8200	-0.0280
1/13/2004	12:17:56	1341.9000	11.8200	-0.0280
1/13/2004	12:18:26	1371.9000	11.8200	-0.0270
1/13/2004	12:18:56	1401.9000	11.8200	-0.0250
1/13/2004	12:19:26	1431.9000	11.8200	-0.0270
1/13/2004	12:19:56	1461.9000	11.8200	-0.0270
1/13/2004	12:20:26	1491.9000	11.8200	-0.0280
1/13/2004	12:20:56	1521.9000	11.8200	-0.0270
1/13/2004	12:21:26	1551.9000	11.8200	-0.0250
1/13/2004	12:21:56	1581.9000	11.8200	-0.0270
1/13/2004	12:22:26	1611.9000	11.8200	-0.0230
1/13/2004	12:22:56	1641.9000	11.8300	-0.0250

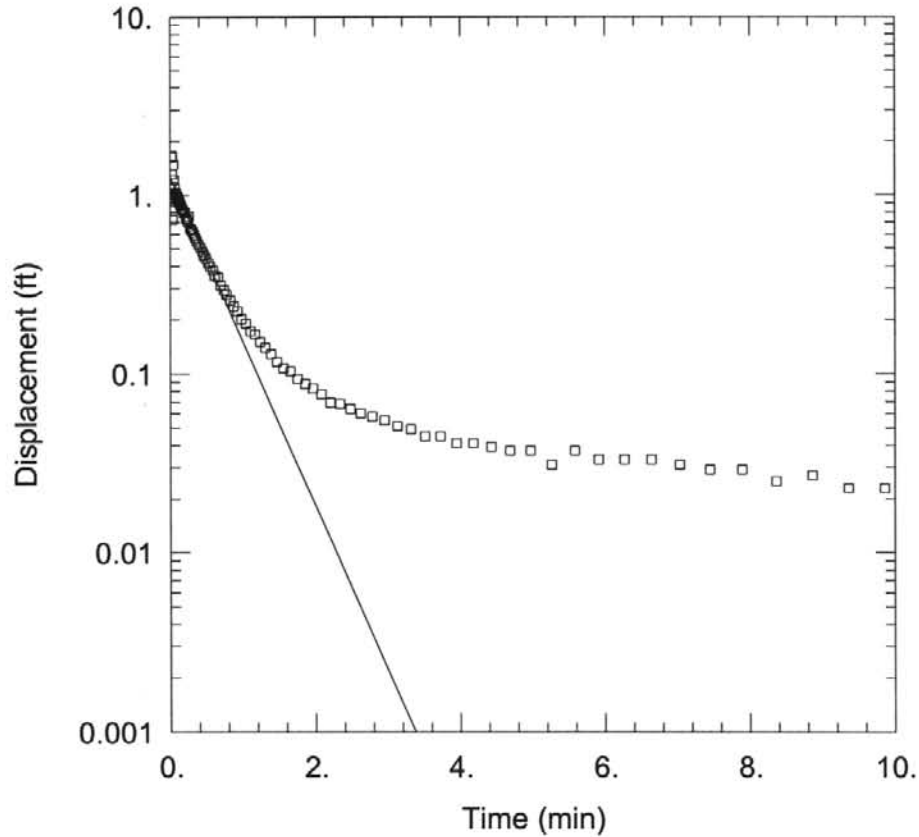
			Chan[1]	Chan[2]
Date	Time	ET (sec)	Celsius	Feet H2O
-----	-----	-----	-----	-----
1/13/2004	12:23:26	1671.9000	11.8300	-0.0250
1/13/2004	12:23:56	1701.9000	11.8200	-0.0230
1/13/2004	12:24:26	1731.9000	11.8300	-0.0230
1/13/2004	12:24:56	1761.9000	11.8300	-0.0230
1/13/2004	12:25:26	1791.9000	11.8300	-0.0270
1/13/2004	12:25:56	1821.9000	11.8300	-0.0250
1/13/2004	12:26:26	1851.9000	11.8300	-0.0250
1/13/2004	12:26:56	1881.9000	11.8300	-0.0230
1/13/2004	12:27:26	1911.9000	11.8300	-0.0250
1/13/2004	12:27:56	1941.9000	11.8300	-0.0250
1/13/2004	12:28:26	1971.9000	11.8300	-0.0250
1/13/2004	12:28:56	2001.9000	11.8300	-0.0250
1/13/2004	12:29:26	2031.9000	11.8300	-0.0250
1/13/2004	12:29:56	2061.9000	11.8300	-0.0250
1/13/2004	12:30:26	2091.9000	11.8300	-0.0230
1/13/2004	12:30:56	2121.9000	11.8300	-0.0230
1/13/2004	12:31:26	2151.9000	11.8300	-0.0230
1/13/2004	12:31:56	2181.9000	11.8300	-0.0230
1/13/2004	12:32:26	2211.9000	11.8300	-0.0230
1/13/2004	12:32:56	2241.9000	11.8300	-0.0230
1/13/2004	12:33:26	2271.9000	11.8300	-0.0230
1/13/2004	12:33:56	2301.9000	11.8300	-0.0230
1/13/2004	12:34:26	2331.9000	11.8300	-0.0230
1/13/2004	12:34:56	2361.9000	11.8300	-0.0230
1/13/2004	12:35:26	2391.9000	11.8300	-0.0230
1/13/2004	12:35:56	2421.9000	11.8300	-0.0230
1/13/2004	12:36:26	2451.9000	11.8300	-0.0230
1/13/2004	12:36:56	2481.9000	11.8300	-0.0230
1/13/2004	12:37:26	2511.9000	11.8400	-0.0230
1/13/2004	12:37:56	2541.9000	11.8400	-0.0230
1/13/2004	12:38:26	2571.9000	11.8300	-0.0250
1/13/2004	12:38:56	2601.9000	11.8400	-0.0250
1/13/2004	12:39:26	2631.9000	11.8400	-0.0250
1/13/2004	12:39:56	2661.9000	11.8400	-0.0230
1/13/2004	12:40:26	2691.9000	11.8400	-0.0230
1/13/2004	12:40:56	2721.9000	11.8400	-0.0250
1/13/2004	12:41:26	2751.9000	11.8400	-0.0250
1/13/2004	12:41:56	2781.9000	11.8400	-0.0230
1/13/2004	12:42:26	2811.9000	11.8400	-0.0230
1/13/2004	12:42:56	2841.9000	11.8400	-0.0230
1/13/2004	12:43:26	2871.9000	11.8400	-0.0210
1/13/2004	12:43:56	2901.9000	11.8400	-0.0230
1/13/2004	12:44:26	2931.9000	11.8400	-0.0210
1/13/2004	12:44:56	2961.9000	11.8400	-0.0210
1/13/2004	12:45:26	2991.9000	11.8400	-0.0210
1/13/2004	12:45:56	3021.9000	11.8400	-0.0210

			Chan[1]	Chan[2]
Date	Time	ET (sec)	Celsius	Feet H2O
-----	-----	-----	-----	-----
1/13/2004	12:46:26	3051.9000	11.8400	-0.0210
1/13/2004	12:46:56	3081.9000	11.8400	-0.0210
1/13/2004	12:47:26	3111.9000	11.8400	-0.0210
1/13/2004	12:47:56	3141.9000	11.8400	-0.0230
1/13/2004	12:48:26	3171.9000	11.8400	-0.0210
1/13/2004	12:48:56	3201.9000	11.8400	-0.0210
1/13/2004	12:49:26	3231.9000	11.8400	-0.0210
1/13/2004	12:49:56	3261.9000	11.8400	-0.0210
1/13/2004	12:50:26	3291.9000	11.8400	-0.0200
1/13/2004	12:50:56	3321.9000	11.8400	-0.0210
1/13/2004	12:51:26	3351.9000	11.8400	-0.0200
1/13/2004	12:51:56	3381.9000	11.8400	-0.0210
1/13/2004	12:52:26	3411.9000	11.8400	-0.0210
1/13/2004	12:52:56	3441.9000	11.8400	-0.0210
1/13/2004	12:53:26	3471.9000	11.8500	-0.0200
1/13/2004	12:53:56	3501.9000	11.8400	-0.0210
1/13/2004	12:54:26	3531.9000	11.8500	-0.0220
1/13/2004	12:54:56	3561.9000	11.8500	-0.0180
1/13/2004	12:55:26	3591.9000	11.8500	-0.0200
1/13/2004	12:55:56	3621.9000	11.8500	-0.0200
1/13/2004	12:56:26	3651.9000	11.8500	-0.0200
1/13/2004	12:56:56	3681.9000	11.8500	-0.0200
1/13/2004	12:57:26	3711.9000	11.8500	-0.0200
1/13/2004	12:57:56	3741.9000	11.8500	-0.0200
1/13/2004	12:58:26	3771.9000	11.8500	-0.0220
1/13/2004	12:58:56	3801.9000	11.8500	-0.0220
1/13/2004	12:59:26	3831.9000	11.8500	-0.0220
1/13/2004	12:59:56	3861.9000	11.8500	-0.0220
1/13/2004	13:00:26	3891.9000	11.8500	-0.0220
1/13/2004	13:00:56	3921.9000	11.8500	-0.0200
1/13/2004	13:01:26	3951.9000	11.8500	-0.0220
1/13/2004	13:01:56	3981.9000	11.8500	-0.0220
1/13/2004	13:02:26	4011.9000	11.8500	-0.0220
1/13/2004	13:02:56	4041.9000	11.8500	-0.0200
1/13/2004	13:03:26	4071.9000	11.8500	-0.0200
1/13/2004	13:03:56	4101.9000	11.8500	-0.0220
1/13/2004	13:04:26	4131.9000	11.8500	-0.0220
1/13/2004	13:04:56	4161.9000	11.8500	-0.0200
1/13/2004	13:05:26	4191.9000	11.8500	-0.0200
1/13/2004	13:05:56	4221.9000	11.8500	-0.0200
1/13/2004	13:06:26	4251.9000	11.8500	-0.0200
1/13/2004	13:06:56	4281.9000	11.8500	-0.0200
1/13/2004	13:07:26	4311.9000	11.8500	-0.0180
1/13/2004	13:07:56	4341.9000	11.8500	-0.0180
1/13/2004	13:08:26	4371.9000	11.8500	-0.0240
1/13/2004	13:08:56	4401.9000	11.8500	-0.0180

			Chan[1]	Chan[2]
Date	Time	ET (sec)	Celsius	Feet H2O
-----	-----	-----	-----	-----
1/13/2004	13:09:26	4431.9000	11.8700	-0.0200



<b>In-Situ Inc.</b>	<b>MiniTroll Pro</b>	
<b>Report generated:</b>	1/15/2004	11:11:49
<b>Report from file:</b>	...\SN04913 2004-01-13 133843 RQL-015in.bin	
<b>Win-Situ Version</b>	4.46	
<b>Serial number:</b>	4913	
<b>Firmware Version</b>	3.09	
<b>Unit name:</b>	14879	
<b>Test name:</b>		RQL-015in
<b>Test defined on:</b>	1/13/2004	13:38:02
<b>Test started on:</b>	1/13/2004	13:38:43
<b>Test stopped on:</b>	1/13/2004	14:12:04
<b>Test extracted on:</b>	N/A	N/A
<b>Data gathered using Logarithmic testing</b>		
<b>Maximum time between data points:</b>	30.0	Seconds.
<b>Number of data samples:</b>	147	
<b>TOTAL DATA SAMPLES</b>	147	
<b>Channel number [1]</b>		
<b>Measurement type:</b>	Temperature	
<b>Channel name:</b>		
<b>Channel number [2]</b>		
<b>Measurement type:</b>	Pressure	
<b>Channel name:</b>	DISPLACEMENT	
<b>Sensor Range:</b>	30 PSIG.	
<b>Specific gravity:</b>	1	
<b>Mode:</b>	Surface	
<b>User-defined reference:</b>	0	Feet H2O
<b>Referenced on:</b>	test start	
<b>Pressure head at reference:</b>	13.294	Feet H2O



<u>WELL TEST ANALYSIS</u>	
Data Set: C:\...\015in.aqt	Time: 11:02:08
Date: 04/05/04	
<u>AQUIFER DATA</u>	
Saturated Thickness: 11. ft	Anisotropy Ratio (Kz/Kr): 1.
<u>WELL DATA (RQL015in)</u>	
Initial Displacement: 1. ft	Casing Radius: 0.083 ft
Wellbore Radius: 0.34 ft	Well Skin Radius: 0.34 ft
Screen Length: 10. ft	Total Well Penetration Depth: 11. ft
Gravel Pack Porosity: 0.3	
<u>SOLUTION</u>	
Aquifer Model: <u>Unconfined</u>	Solution Method: <u>Bouwer-Rice</u>
K = 2.738 ft/day	y0 = 1.257 ft

RQL-015in				
			Chan[1]	Chan[2]
Date	Time	ET (sec)	Celsius	Feet H2O
-----	-----	-----	-----	-----
1/13/2004	13:38:43	0.0000	11.4600	0.0000
1/13/2004	13:38:43	0.3000	11.4900	0.0030
1/13/2004	13:38:44	0.6000	11.4900	0.0010
1/13/2004	13:38:44	0.9000	11.5000	0.3510
1/13/2004	13:38:44	1.2000	11.5000	0.9250
1/13/2004	13:38:44	1.5000	11.5100	1.4450
1/13/2004	13:38:45	1.8000	11.5100	1.1160
1/13/2004	13:38:45	2.1000	11.5100	1.4650
1/13/2004	13:38:45	2.4000	11.5100	0.5350
1/13/2004	13:38:46	2.7000	11.5100	0.3500
1/13/2004	13:38:46	3.0000	11.5100	1.2840
1/13/2004	13:38:46	3.3000	11.5100	0.7310
1/13/2004	13:38:47	3.6000	11.5100	1.0210
1/13/2004	13:38:47	3.9000	11.5100	0.7750
1/13/2004	13:38:47	4.2000	11.5100	0.9010
1/13/2004	13:38:47	4.5000	11.5100	0.8230
1/13/2004	13:38:48	4.8000	11.5300	0.8440
1/13/2004	13:38:48	5.1000	11.5300	0.8120
1/13/2004	13:38:48	5.4000	11.5300	0.8100
1/13/2004	13:38:49	5.7000	11.5300	0.7970
1/13/2004	13:38:49	6.0000	11.5300	0.7860
1/13/2004	13:38:49	6.4000	11.5300	0.7770
1/13/2004	13:38:50	6.7000	11.5300	0.7600
1/13/2004	13:38:50	7.1000	11.5300	0.7470
1/13/2004	13:38:50	7.5000	11.5300	0.7360
1/13/2004	13:38:51	8.0000	11.5300	0.7220
1/13/2004	13:38:51	8.4000	11.5300	0.7070
1/13/2004	13:38:52	8.9000	11.5300	0.6920
1/13/2004	13:38:52	9.5000	11.5300	0.6750
1/13/2004	13:38:53	10.0000	11.5100	0.6530
1/13/2004	13:38:54	10.6000	11.5100	0.6350
1/13/2004	13:38:54	11.3000	11.5100	0.6150
1/13/2004	13:38:55	11.9000	11.5100	0.5940
1/13/2004	13:38:56	12.6000	11.5000	0.6070
1/13/2004	13:38:56	13.4000	11.5000	0.5450
1/13/2004	13:38:57	14.2000	11.5000	0.5340
1/13/2004	13:38:58	15.0000	11.5000	0.5110
1/13/2004	13:38:59	15.9000	11.5000	0.5650
1/13/2004	13:39:00	16.8000	11.5000	0.4580
1/13/2004	13:39:01	17.8000	11.5000	0.4450
1/13/2004	13:39:02	18.9000	11.5000	0.4260
1/13/2004	13:39:03	20.0000	11.5000	0.4080
1/13/2004	13:39:04	21.2000	11.5000	0.3820
1/13/2004	13:39:05	22.4000	11.5000	0.3600

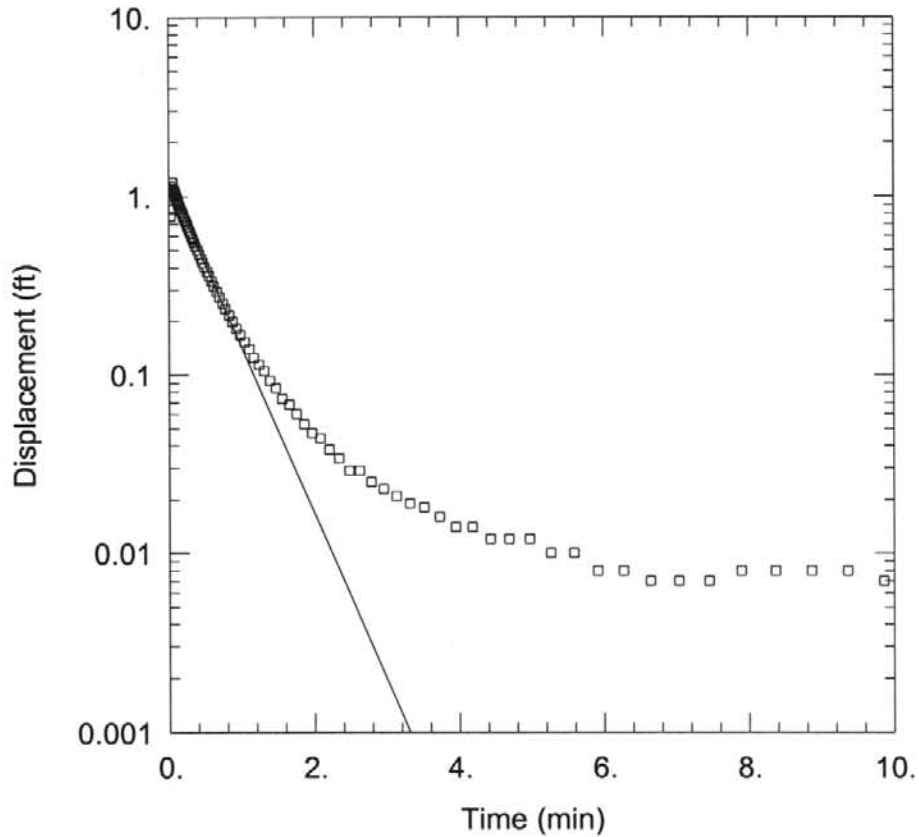
			Chan[1]	Chan[2]
Date	Time	ET (sec)	Celsius	Feet H2O
-----	-----	-----	-----	-----
1/13/2004	13:39:07	23.8000	11.5000	0.3380
1/13/2004	13:39:08	25.2000	11.5000	0.3150
1/13/2004	13:39:10	26.7000	11.5000	0.2880
1/13/2004	13:39:11	28.2000	11.4900	0.2690
1/13/2004	13:39:13	29.8000	11.4900	0.2510
1/13/2004	13:39:14	31.5000	11.4900	0.2250
1/13/2004	13:39:16	33.3000	11.4900	0.2070
1/13/2004	13:39:18	35.2000	11.4900	0.1860
1/13/2004	13:39:20	37.3000	11.4900	0.1640
1/13/2004	13:39:22	39.5000	11.4900	0.1530
1/13/2004	13:39:25	41.8000	11.4900	0.1230
1/13/2004	13:39:27	44.3000	11.4900	0.1030
1/13/2004	13:39:30	46.9000	11.4900	0.0850
1/13/2004	13:39:33	49.7000	11.4900	0.0660
1/13/2004	13:39:36	52.6000	11.4900	0.0480
1/13/2004	13:39:39	55.7000	11.4900	0.0330
1/13/2004	13:39:42	59.0000	11.4900	0.0120
1/13/2004	13:39:45	62.5000	11.4900	0.0010
1/13/2004	13:39:49	66.2000	11.4900	-0.0170
1/13/2004	13:39:53	70.1000	11.4900	-0.0240
1/13/2004	13:39:57	74.3000	11.4900	-0.0390
1/13/2004	13:40:02	78.7000	11.4900	-0.0500
1/13/2004	13:40:06	83.4000	11.4900	-0.0610
1/13/2004	13:40:11	88.4000	11.4900	-0.0730
1/13/2004	13:40:17	93.7000	11.4900	-0.0820
1/13/2004	13:40:22	99.3000	11.4800	-0.0870
1/13/2004	13:40:28	105.2000	11.4800	-0.0960
1/13/2004	13:40:34	111.5000	11.4800	-0.1020
1/13/2004	13:40:41	118.1000	11.4800	-0.1070
1/13/2004	13:40:48	125.1000	11.4800	-0.1130
1/13/2004	13:40:56	132.6000	11.4900	-0.1210
1/13/2004	13:41:03	140.5000	11.4800	-0.1220
1/13/2004	13:41:12	148.9000	11.4900	-0.1260
1/13/2004	13:41:21	157.8000	11.4900	-0.1300
1/13/2004	13:41:30	167.2000	11.4900	-0.1320
1/13/2004	13:41:40	177.2000	11.4900	-0.1350
1/13/2004	13:41:51	187.8000	11.4900	-0.1390
1/13/2004	13:42:02	199.0000	11.5000	-0.1410
1/13/2004	13:42:14	210.9000	11.5000	-0.1450
1/13/2004	13:42:26	223.5000	11.5000	-0.1450
1/13/2004	13:42:40	236.8000	11.5000	-0.1490
1/13/2004	13:42:54	250.9000	11.5100	-0.1490
1/13/2004	13:43:09	265.8000	11.5100	-0.1510
1/13/2004	13:43:25	281.6000	11.5300	-0.1530
1/13/2004	13:43:41	298.4000	11.5300	-0.1530
1/13/2004	13:43:59	316.2000	11.5400	-0.1590

			Chan[1]	Chan[2]
Date	Time	ET (sec)	Celsius	Feet H2O
-----	-----	-----	-----	-----
1/13/2004	13:44:18	335.0000	11.5400	-0.1530
1/13/2004	13:44:38	354.9000	11.5400	-0.1570
1/13/2004	13:44:59	376.0000	11.5500	-0.1570
1/13/2004	13:45:21	398.4000	11.5500	-0.1570
1/13/2004	13:45:45	422.1000	11.5600	-0.1590
1/13/2004	13:46:10	447.2000	11.5600	-0.1610
1/13/2004	13:46:37	473.8000	11.5800	-0.1610
1/13/2004	13:47:05	502.0000	11.5900	-0.1650
1/13/2004	13:47:35	531.9000	11.5900	-0.1630
1/13/2004	13:48:05	561.9000	11.5900	-0.1670
1/13/2004	13:48:35	591.9000	11.6000	-0.1670
1/13/2004	13:49:05	621.9000	11.6000	-0.1710
1/13/2004	13:49:35	651.9000	11.6100	-0.1690
1/13/2004	13:50:05	681.9000	11.6100	-0.1690
1/13/2004	13:50:35	711.9000	11.6300	-0.1710
1/13/2004	13:51:05	741.9000	11.6300	-0.1690
1/13/2004	13:51:35	771.9000	11.6300	-0.1690
1/13/2004	13:52:05	801.9000	11.6300	-0.1690
1/13/2004	13:52:35	831.9000	11.6300	-0.1690
1/13/2004	13:53:05	861.9000	11.6300	-0.1710
1/13/2004	13:53:35	891.9000	11.6300	-0.1730
1/13/2004	13:54:05	921.9000	11.6100	-0.1710
1/13/2004	13:54:35	951.9000	11.6100	-0.1730
1/13/2004	13:55:05	981.9000	11.6100	-0.1710
1/13/2004	13:55:35	1011.9000	11.6000	-0.1760
1/13/2004	13:56:05	1041.9000	11.5900	-0.1740
1/13/2004	13:56:35	1071.9000	11.5900	-0.1760
1/13/2004	13:57:05	1101.9000	11.5800	-0.1740
1/13/2004	13:57:35	1131.9000	11.5800	-0.1780
1/13/2004	13:58:05	1161.9000	11.5800	-0.1780
1/13/2004	13:58:35	1191.9000	11.5800	-0.1760
1/13/2004	13:59:05	1221.9000	11.5800	-0.1760
1/13/2004	13:59:35	1251.9000	11.5800	-0.1760
1/13/2004	14:00:05	1281.9000	11.5800	-0.1780
1/13/2004	14:00:35	1311.9000	11.5600	-0.1770
1/13/2004	14:01:05	1341.9000	11.5800	-0.1780
1/13/2004	14:01:35	1371.9000	11.5600	-0.1790
1/13/2004	14:02:05	1401.9000	11.5600	-0.1790
1/13/2004	14:02:35	1431.9000	11.5600	-0.1810
1/13/2004	14:03:05	1461.9000	11.5600	-0.1810
1/13/2004	14:03:35	1491.9000	11.5600	-0.1810
1/13/2004	14:04:05	1521.9000	11.5600	-0.1810
1/13/2004	14:04:35	1551.9000	11.5600	-0.1850
1/13/2004	14:05:05	1581.9000	11.5600	-0.1830
1/13/2004	14:05:35	1611.9000	11.5600	-0.1850
1/13/2004	14:06:05	1641.9000	11.5600	-0.1830

			Chan[1]	Chan[2]
Date	Time	ET (sec)	Celsius	Feet H2O
-----	-----	-----	-----	-----
1/13/2004	14:06:35	1671.9000	11.5600	-0.1850
1/13/2004	14:07:05	1701.9000	11.5600	-0.1850
1/13/2004	14:07:35	1731.9000	11.5600	-0.1850
1/13/2004	14:08:05	1761.9000	11.5600	-0.1850
1/13/2004	14:08:35	1791.9000	11.5600	-0.1870
1/13/2004	14:09:05	1821.9000	11.5600	-0.1870
1/13/2004	14:09:35	1851.9000	11.5600	-0.1850
1/13/2004	14:10:05	1881.9000	11.5600	-0.1810
1/13/2004	14:10:35	1911.9000	11.5600	-0.1590
1/13/2004	14:11:05	1941.9000	11.5600	-0.1610
1/13/2004	14:11:35	1971.9000	11.5800	-0.1610

<b>In-Situ Inc.</b>	<b>MiniTroll Pro</b>	
<b>Report generated:</b>	1/15/2004	11:12:08
<b>Report from file:</b>	...ASN04913 2004-01-13 141307 RQL-015out.bin	
<b>Win-Situ Version</b>	4.46	
<b>Serial number:</b>	4913	
<b>Firmware Version</b>	3.09	
<b>Unit name:</b>	14879	
<b>Test name:</b>		RQL-015out
<b>Test defined on:</b>	1/13/2004	14:12:30
<b>Test started on:</b>	1/13/2004	14:13:07
<b>Test stopped on:</b>	1/13/2004	14:43:26
<b>Test extracted on:</b>	N/A	N/A
<b>Data gathered using Logarithmic testing</b>		
<b>Maximum time between data points:</b>	30.0	Seconds.
<b>Number of data samples:</b>	141	
<b>TOTAL DATA SAMPLES</b>	141	
<b>Channel number [1]</b>		
<b>Measurement type:</b>	Temperature	
<b>Channel name:</b>		
<b>Channel number [2]</b>		
<b>Measurement type:</b>	Pressure	
<b>Channel name:</b>	DISPLACEMENT	
<b>Sensor Range:</b>	30 PSIG.	
<b>Specific gravity:</b>	1	
<b>Mode:</b>	Surface	
<b>User-defined reference:</b>	0	Feet H2O
<b>Referenced on:</b>	test start	
<b>Pressure head at reference:</b>	13.134	Feet H2O





<u>WELL TEST ANALYSIS</u>	
Data Set: C:\...\015out.aqt	Time: 11:02:32
Date: 04/05/04	
<u>AQUIFER DATA</u>	
Saturated Thickness: 11. ft	Anisotropy Ratio (Kz/Kr): 1.
<u>WELL DATA (RQL015out)</u>	
Initial Displacement: 1. ft	Casing Radius: 0.083 ft
Wellbore Radius: 0.34 ft	Well Skin Radius: 0.34 ft
Screen Length: 10. ft	Total Well Penetration Depth: 11. ft
Gravel Pack Porosity: 0.3	
<u>SOLUTION</u>	
Aquifer Model: <u>Unconfined</u>	Solution Method: <u>Bouwer-Rice</u>
K = 2.772 ft/day	y0 = 1.213 ft

RQL-015out				
			Chan[1]	Chan[2]
Date	Time	ET (sec)	Celsius	Feet H2O
-----	-----	-----	-----	-----
1/13/2004	14:13:07	0.0000	11.5800	0.0000
1/13/2004	14:13:08	0.3000	11.6000	0.0050
1/13/2004	14:13:08	0.6000	11.6000	0.0070
1/13/2004	14:13:08	0.9000	11.6000	0.0090
1/13/2004	14:13:09	1.2000	11.6100	0.0090
1/13/2004	14:13:09	1.5000	11.6100	-1.1300
1/13/2004	14:13:09	1.8000	11.6100	-1.4350
1/13/2004	14:13:10	2.1000	11.6100	-0.7620
1/13/2004	14:13:10	2.4000	11.6100	-0.4540
1/13/2004	14:13:10	2.7000	11.6300	-1.1900
1/13/2004	14:13:10	3.0000	11.6300	-1.3800
1/13/2004	14:13:11	3.3000	11.6300	-1.1860
1/13/2004	14:13:11	3.6000	11.6300	-1.0550
1/13/2004	14:13:11	3.9000	11.6300	-1.0680
1/13/2004	14:13:12	4.2000	11.6300	-1.0950
1/13/2004	14:13:12	4.5000	11.6300	-1.0750
1/13/2004	14:13:12	4.8000	11.6300	-1.0490
1/13/2004	14:13:13	5.1000	11.6300	-1.0290
1/13/2004	14:13:13	5.4000	11.6300	-1.0270
1/13/2004	14:13:13	5.7000	11.6300	-1.0070
1/13/2004	14:13:13	6.0000	11.6300	-0.9940
1/13/2004	14:13:14	6.4000	11.6300	-0.9770
1/13/2004	14:13:14	6.7000	11.6300	-0.9570
1/13/2004	14:13:15	7.1000	11.6300	-0.9470
1/13/2004	14:13:15	7.5000	11.6300	-0.9270
1/13/2004	14:13:15	8.0000	11.6400	-0.9090
1/13/2004	14:13:16	8.4000	11.6400	-0.8900
1/13/2004	14:13:16	8.9000	11.6400	-0.8720
1/13/2004	14:13:17	9.5000	11.6400	-0.8500
1/13/2004	14:13:17	10.0000	11.6300	-0.8370
1/13/2004	14:13:18	10.6000	11.6300	-0.8160
1/13/2004	14:13:19	11.3000	11.6100	-0.7960
1/13/2004	14:13:19	11.9000	11.6100	-0.7750
1/13/2004	14:13:20	12.6000	11.6100	-0.7510
1/13/2004	14:13:21	13.4000	11.6100	-0.7290
1/13/2004	14:13:22	14.2000	11.6100	-0.7090
1/13/2004	14:13:22	15.0000	11.6100	-0.6850
1/13/2004	14:13:23	15.9000	11.6100	-0.6630
1/13/2004	14:13:24	16.8000	11.6100	-0.6370
1/13/2004	14:13:25	17.8000	11.6100	-0.6140
1/13/2004	14:13:26	18.9000	11.6000	-0.5860
1/13/2004	14:13:27	20.0000	11.6100	-0.5650
1/13/2004	14:13:29	21.2000	11.6100	-0.5400
1/13/2004	14:13:30	22.4000	11.6000	-0.5140
1/13/2004	14:13:31	23.8000	11.6000	-0.4900

			Chan[1]	Chan[2]
Date	Time	ET (sec)	Celsius	Feet H2O
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1/13/2004	14:13:33	25.2000	11.6000	-0.4640
1/13/2004	14:13:34	26.7000	11.6000	-0.4390
1/13/2004	14:13:36	28.2000	11.6000	-0.4160
1/13/2004	14:13:37	29.8000	11.6000	-0.3920
1/13/2004	14:13:39	31.5000	11.6000	-0.3700
1/13/2004	14:13:41	33.3000	11.6000	-0.3480
1/13/2004	14:13:43	35.2000	11.6000	-0.3260
1/13/2004	14:13:45	37.3000	11.6000	-0.3040
1/13/2004	14:13:47	39.5000	11.6000	-0.2830
1/13/2004	14:13:49	41.8000	11.6000	-0.2630
1/13/2004	14:13:52	44.3000	11.6000	-0.2430
1/13/2004	14:13:54	46.9000	11.6000	-0.2240
1/13/2004	14:13:57	49.7000	11.6000	-0.2060
1/13/2004	14:14:00	52.6000	11.6000	-0.1890
1/13/2004	14:14:03	55.7000	11.6000	-0.1720
1/13/2004	14:14:06	59.0000	11.6000	-0.1580
1/13/2004	14:14:10	62.5000	11.6000	-0.1430
1/13/2004	14:14:14	66.2000	11.6000	-0.1300
1/13/2004	14:14:17	70.1000	11.6000	-0.1150
1/13/2004	14:14:22	74.3000	11.6000	-0.1040
1/13/2004	14:14:26	78.7000	11.5900	-0.0950
1/13/2004	14:14:31	83.4000	11.5900	-0.0830
1/13/2004	14:14:36	88.4000	11.5900	-0.0740
1/13/2004	14:14:41	93.7000	11.5900	-0.0630
1/13/2004	14:14:47	99.3000	11.5900	-0.0580
1/13/2004	14:14:53	105.2000	11.5900	-0.0500
1/13/2004	14:14:59	111.5000	11.5900	-0.0430
1/13/2004	14:15:05	118.1000	11.5900	-0.0370
1/13/2004	14:15:12	125.1000	11.5900	-0.0340
1/13/2004	14:15:20	132.6000	11.5900	-0.0280
1/13/2004	14:15:28	140.5000	11.5900	-0.0240
1/13/2004	14:15:36	148.9000	11.5900	-0.0190
1/13/2004	14:15:45	157.8000	11.5900	-0.0190
1/13/2004	14:15:55	167.2000	11.5900	-0.0150
1/13/2004	14:16:05	177.2000	11.5900	-0.0130
1/13/2004	14:16:15	187.8000	11.5900	-0.0110
1/13/2004	14:16:26	199.0000	11.5900	-0.0090
1/13/2004	14:16:38	210.9000	11.5900	-0.0080
1/13/2004	14:16:51	223.5000	11.5900	-0.0060
1/13/2004	14:17:04	236.8000	11.5900	-0.0040
1/13/2004	14:17:18	250.9000	11.5900	-0.0040
1/13/2004	14:17:33	265.8000	11.5900	-0.0020
1/13/2004	14:17:49	281.6000	11.5900	-0.0020
1/13/2004	14:18:06	298.4000	11.5900	-0.0020
1/13/2004	14:18:24	316.2000	11.5900	0.0000
1/13/2004	14:18:42	335.0000	11.5900	0.0000

			Chan[1]	Chan[2]
Date	Time	ET (sec)	Celsius	Feet H2O
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1/13/2004	14:19:02	354.9000	11.5900	0.0020
1/13/2004	14:19:23	376.0000	11.5900	0.0020
1/13/2004	14:19:46	398.4000	11.5900	0.0030
1/13/2004	14:20:09	422.1000	11.5900	0.0030
1/13/2004	14:20:35	447.2000	11.5900	0.0030
1/13/2004	14:21:01	473.8000	11.5900	0.0020
1/13/2004	14:21:29	502.0000	11.5900	0.0020
1/13/2004	14:21:59	531.9000	11.5900	0.0020
1/13/2004	14:22:29	561.9000	11.5900	0.0020
1/13/2004	14:22:59	591.9000	11.6000	0.0030
1/13/2004	14:23:29	621.9000	11.6000	0.0010
1/13/2004	14:23:59	651.9000	11.6000	0.0000
1/13/2004	14:24:29	681.9000	11.6000	0.0030
1/13/2004	14:24:59	711.9000	11.6000	0.0030
1/13/2004	14:25:29	741.9000	11.6000	0.0050
1/13/2004	14:25:59	771.9000	11.6000	0.0030
1/13/2004	14:26:29	801.9000	11.6000	0.0030
1/13/2004	14:26:59	831.9000	11.6000	0.0050
1/13/2004	14:27:29	861.9000	11.6000	0.0030
1/13/2004	14:27:59	891.9000	11.6100	0.0050
1/13/2004	14:28:29	921.9000	11.6100	0.0030
1/13/2004	14:28:59	951.9000	11.6100	0.0030
1/13/2004	14:29:29	981.9000	11.6100	0.0030
1/13/2004	14:29:59	1011.9000	11.6100	0.0030
1/13/2004	14:30:29	1041.9000	11.6100	0.0030
1/13/2004	14:30:59	1071.9000	11.6100	0.0030
1/13/2004	14:31:29	1101.9000	11.6100	0.0010
1/13/2004	14:31:59	1131.9000	11.6300	-0.0010
1/13/2004	14:32:29	1161.9000	11.6300	0.0010
1/13/2004	14:32:59	1191.9000	11.6300	0.0010
1/13/2004	14:33:29	1221.9000	11.6300	0.0030
1/13/2004	14:33:59	1251.9000	11.6300	0.0010
1/13/2004	14:34:29	1281.9000	11.6300	0.0010
1/13/2004	14:34:59	1311.9000	11.6300	0.0010
1/13/2004	14:35:29	1341.9000	11.6400	0.0010
1/13/2004	14:35:59	1371.9000	11.6400	0.0010
1/13/2004	14:36:29	1401.9000	11.6400	-0.0010
1/13/2004	14:36:59	1431.9000	11.6400	-0.0010
1/13/2004	14:37:29	1461.9000	11.6400	-0.0010
1/13/2004	14:37:59	1491.9000	11.6500	-0.0010
1/13/2004	14:38:29	1521.9000	11.6400	-0.0010
1/13/2004	14:38:59	1551.9000	11.6400	-0.0010
1/13/2004	14:39:29	1581.9000	11.6500	-0.0030
1/13/2004	14:39:59	1611.9000	11.6500	-0.0030
1/13/2004	14:40:29	1641.9000	11.6500	-0.0030
1/13/2004	14:40:59	1671.9000	11.6500	-0.0050

			Chan[1]	Chan[2]
Date	Time	ET (sec)	Celsius	Feet H2O
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1/13/2004	14:41:29	1701.9000	11.6500	-0.0050
1/13/2004	14:41:59	1731.9000	11.6500	-0.0050
1/13/2004	14:42:29	1761.9000	11.6500	-0.0090
1/13/2004	14:42:59	1791.9000	11.6500	-0.0090