Earth Data Northeast, Inc.

Loureiro, Baldwin TCE Site
Well: MW-03
Zone 2 (87'-TD)
Testing Date: 8/24/2004

Data recorded at 15 second intervals

Date	Time	Upper Zone (Depth to Water)	Pumping Zone (Depth to Water)	
8/24/104	9:48:18	55.46	56.10	
8/24/104	9:48:33	55.40	55.92	
8/24/104	9:48:48	55.39	55.89	
8/24/104	9:49:03	55.21	55.83	
8/24/104	9:49:18	55.27	55.77	
8/24/104	9:49:33	54.98	55.61	
8/24/104	9:49:48	55.03	55.58	
8/24/104	9:50:03	54.96	55.59	
8/24/104	9:50:18	54.93	55.50	
8/24/104	9:50:33	54.86	55.42	
8/24/104	9:50:48	54.76	55.34	
8/24/104	9:51:03	54.80	55.29	Begin Inflation
8/24/104	9:51:18	54.40	54.98	
8/24/104	9:51:33	53.42	54.21	
8/24/104	9:51:48	53.26	54.58	
8/24/104	9:52:03	53.17	54.74	
8/24/104	9:52:18	53.28	54.78	
8/24/104	9:52:33	53.15	54.84	
8/24/104	9:52:48	53.11	54.81	
8/24/104	9:53:03	53.09	54.85	
8/24/104	9:53:18	53.04	54.87	
8/24/104	9:53:33	52.95	54.81	
8/24/104	9:53:48	52.98	54.83	
8/24/104	9:54:03	52.93	54.79	
8/24/104	9:54:18	52.96	54.84	
8/24/104	9:54:33	52.81	54.77	
8/24/104	9:54:48	52.91	54.77	
8/24/104	9:55:03	52.73	54.84	
8/24/104	9:55:18	52.66	54.70	
8/24/104	9:55:33	52.79	54.83	
8/24/104	9:55:48	52.68	54.73	
8/24/104	9:56:03	52.60	54.76	
8/24/104	9:56:18	52.70	54.74	
8/24/104	9:56:33	52.60	54.84	
8/24/104	9:56:48	52.52	54.69	
8/24/104	9:57:03	52.59	54.71	
8/24/104	9:57:18	52.50	54.73	
8/24/104	9:57:33	52.49	57.92	Pump On
8/24/104	9:57:48	52.36	63.50	
8/24/104	9:58:03	52.54	59.77	
8/24/104	9:58:18	52.46	58.63	

8/24/104	9:58:33	52.21	57.75
8/24/104	9:58:48	52.33	57.54
8/24/104	9:59:03	52.41	57.48
8/24/104	9:59:18	52.33	57.50
8/24/104	9:59:33	52.29	57.39
8/24/104	9:59:48	52.28	57.23
8/24/104	10:00:03	52.15	57.25
8/24/104	10:00:18	52.30	57.28
8/24/104	10:00:33	52.17	57.23
8/24/104	10:00:48	52.06	57.24
8/24/104	10:01:03	52.06	57.18
8/24/104	10:01:18	52.04	57.19
8/24/104	10:01:33	52.03	57.16
8/24/104	10:01:48	52.05	57.39
8/24/104	10:02:03	51.98	57.84
8/24/104	10:02:18	52.12	56.43
8/24/104	10:02:33	51.94	56.53
8/24/104	10:02:48	51.80	57.47
8/24/104	10:03:03	51.71	58.42
8/24/104	10:03:18	51.82	58.19
8/24/104	10:03:33	51.74	58.19
8/24/104	10:03:48	51.78	58.71
8/24/104	10:04:03	51.77	58.45
8/24/104	10:04:18	51.61	58.58
8/24/104	10:04:33	51.65	58.78
8/24/104	10:04:48	51.67	58.85
8/24/104	10:05:03	51.69	57.94
8/24/104	10:05:18	53.51	58.51
8/24/104	10:05:33	52.30	56.84
8/24/104	10:05:48	52.42	58.52
8/24/104	10:06:03	52.73	56.89
8/24/104	10:06:18	52.72	59.32
8/24/104	10:06:33	51.67	58.31
8/24/104	10:06:48	52.30	58.33
8/24/104	10:07:03	53.64	57.19
8/24/104	10:07:18	52.73	56.65
8/24/104	10:07:33	53.06	59.21
8/24/104	10:07:48	53.69	57.21
8/24/104	10:08:03	52.53	56.75
8/24/104	10:08:18	51.32	60.34
8/24/104	10:08:33	51.63	60.02
8/24/104	10:08:48	51.32	59.94
8/24/104	10:09:03	52.38	58.51
8/24/104	10:09:18	51.39	59.92
8/24/104	10:09:33	51.55	60.06
8/24/104	10:09:48	51.34	60.69
8/24/104	10:10:03	51.79	60.26
8/24/104	10:10:18	51.30	60.67
8/24/104	10:10:33	52.41	58.98
8/24/104	10:10:48	51.42	59.43
8/24/104	10:11:03	51.16	61.04
8/24/104	10:11:18	51.15	61.16

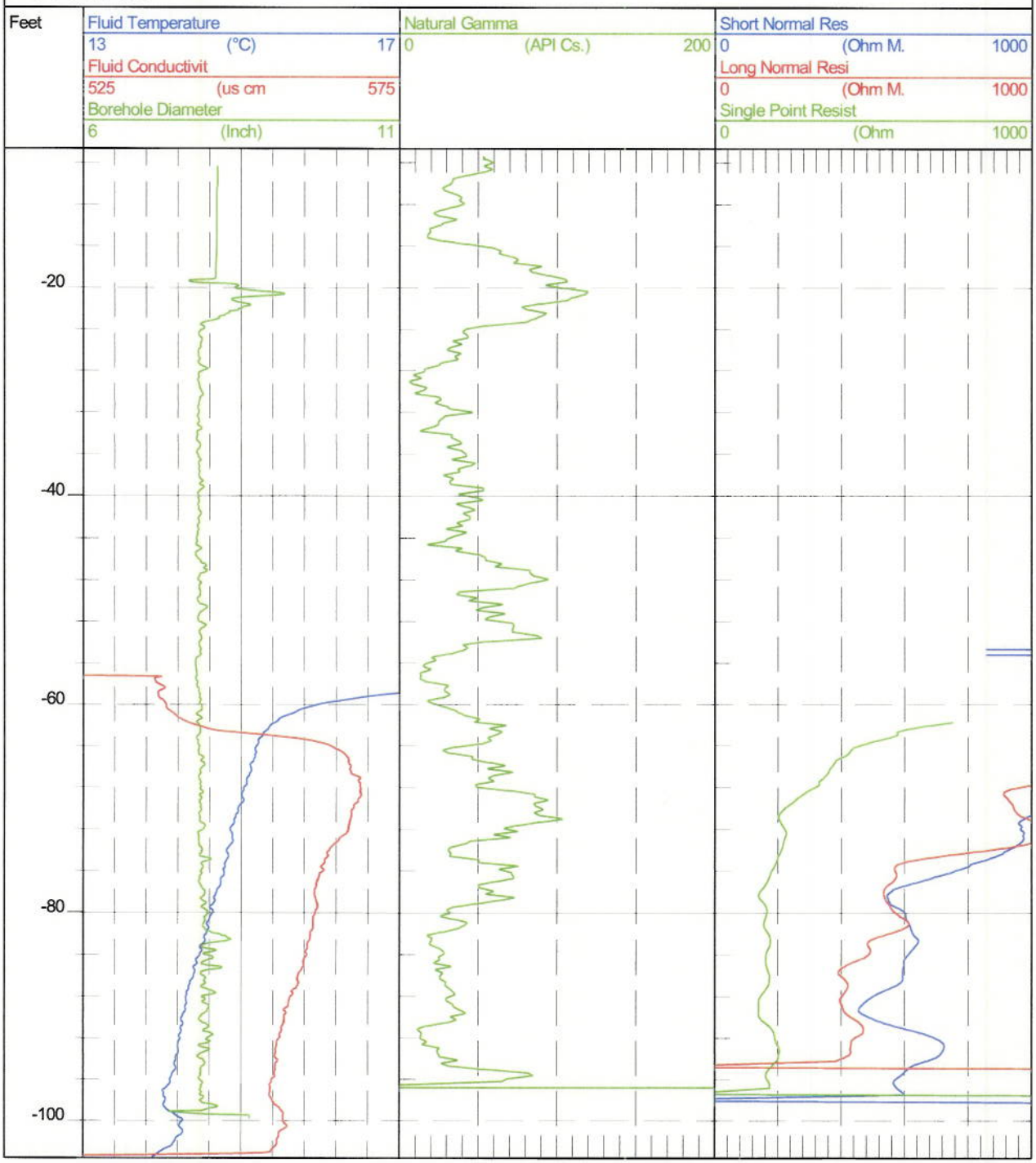
8/24/104	10:11:33	51.39	60.13	
8/24/104	10:11:48	51.11	61.24	
8/24/104	10:12:03	51.35	60.20	
8/24/104	10:12:18	51.08	61.01	
8/24/104	10:12:33	51.04	60.81	
8/24/104	10:12:48	51.79	59.36	
8/24/104	10:13:03	51.22	61.02	
8/24/104	10:13:18	51.03	60.90	
8/24/104	10:13:33	51.76	60.48	
8/24/104	10:13:48	51.18	60.73	
8/24/104	10:14:03	51.03	60.87	
8/24/104	10:14:18	51.31	60.50	
8/24/104	10:14:33	50.89	61.37	
8/24/104	10:14:48	51.08	60.87	
8/24/104	10:15:03	51.72	61.42	
8/24/104	10:15:18	51.25	61.39	
8/24/104	10:15:33	51.38	62.31	
8/24/104	10:15:48	50.82	62.29	
8/24/104	10:16:03	51.44	61.71	
8/24/104	10:16:18	51.81	61.48	
8/24/104	10:16:33	51.00	61.88	
8/24/104	10:16:48	50.66	62.40	
8/24/104	10:17:03	50.94	61.93	
8/24/104	10:17:18	50.72	61.94	
8/24/104	10:17:33	50.74	61.71	
8/24/104	10:17:48	50.67	62.39	
8/24/104	10:18:03	50.63	62.38	
8/24/104	10:18:18	50.68	62.50	
8/24/104	10:18:33	50.82	61.90	
8/24/104	10:18:48	50.62	62.60	
8/24/104	10:19:03	50.56	62.43	
8/24/104	10:19:18	50.73	61.49	
8/24/104	10:19:33	50.67	61.75	
8/24/104	10:19:48	50.66	61.78	
8/24/104	10:20:03	50.53	62.42	
8/24/104	10:20:18	51.31	61.47	
8/24/104	10:20:33	50.94	61.17	
8/24/104	10:20:48	51.66	62.77	
8/24/104	10:21:03	51.23	59.54	
8/24/104	10:21:18	51.55	60.14	
8/24/104	10:21:33	50.81	61.09	Pump Off
8/24/104	10:21:48	50.38	60.58	
8/24/104	10:22:03	50.38	60.12	
8/24/104	10:22:18	50.38	59.89	
8/24/104	10:22:33	50.44	59.62	
8/24/104	10:22:48	50.41	59.37	
8/24/104	10:23:03	50.34	59.27	
8/24/104	10:23:18	50.19	59.07	
8/24/104	10:23:33	50.32	58.93	
8/24/104	10:23:48	50.24	58.61	
8/24/104	10:24:03	50.18	58.55	
8/24/104	10:24:18	50.22	58.45	

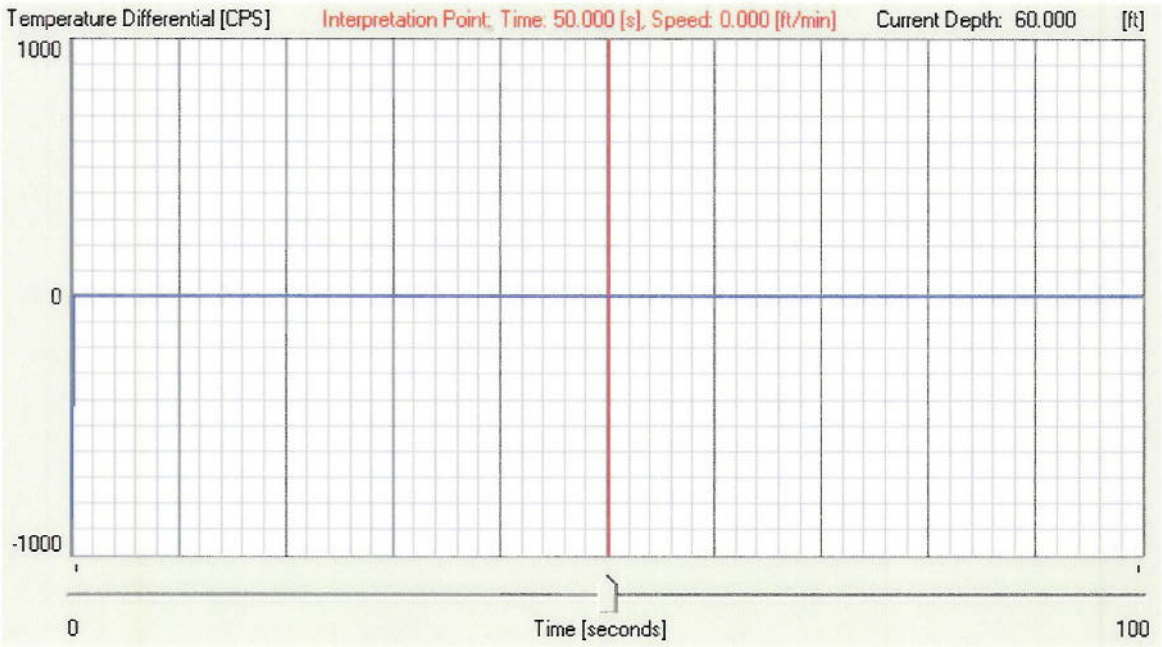
8/24/104	10:24:33	50.19	58.31
8/24/104	10:24:48	50.19	58.17
8/24/104	10:25:03	50.17	58.09
8/24/104	10:25:18	50.11	57.86
8/24/104	10:25:33	50.14	57.92
8/24/104	10:25:48	50.09	57.74
8/24/104	10:26:03	50.02	57.66
8/24/104	10:26:18	49.98	57.65
8/24/104	10:26:33	49.91	57.50
8/24/104	10:26:48	49.84	57.47
8/24/104	10:27:03	49.80	57.44
8/24/104	10:27:18	49.74	57.38
8/24/104	10:27:33	49.76	57.23
8/24/104	10:27:48	49.66	57.23
8/24/104	10:28:03	49.63	57.17
8/24/104	10:28:18	49.63	57.13
8/24/104	10:28:33	49.56	57.05
8/24/104	10:28:48	49.65	56.99
8/24/104	10:29:03	49.50	57.00
8/24/104	10:29:18	49.60	56.91
8/24/104	10:29:33	49.51	56.79
8/24/104	10:29:48	49.40	56.76
8/24/104	10:30:03	49.56	56.62
8/24/104	10:30:18	49.42	56.68
8/24/104	10:30:33	49.39	56.61
8/24/104	10:30:48	49.43	56.59
8/24/104	10:31:03	49.46	56.51
8/24/104	10:31:18	49.40	56.50
8/24/104	10:31:33	49.40	56.47
8/24/104	10:31:48	49.43	56.38
8/24/104	10:32:03	49.34	56.46

APPENDIX D

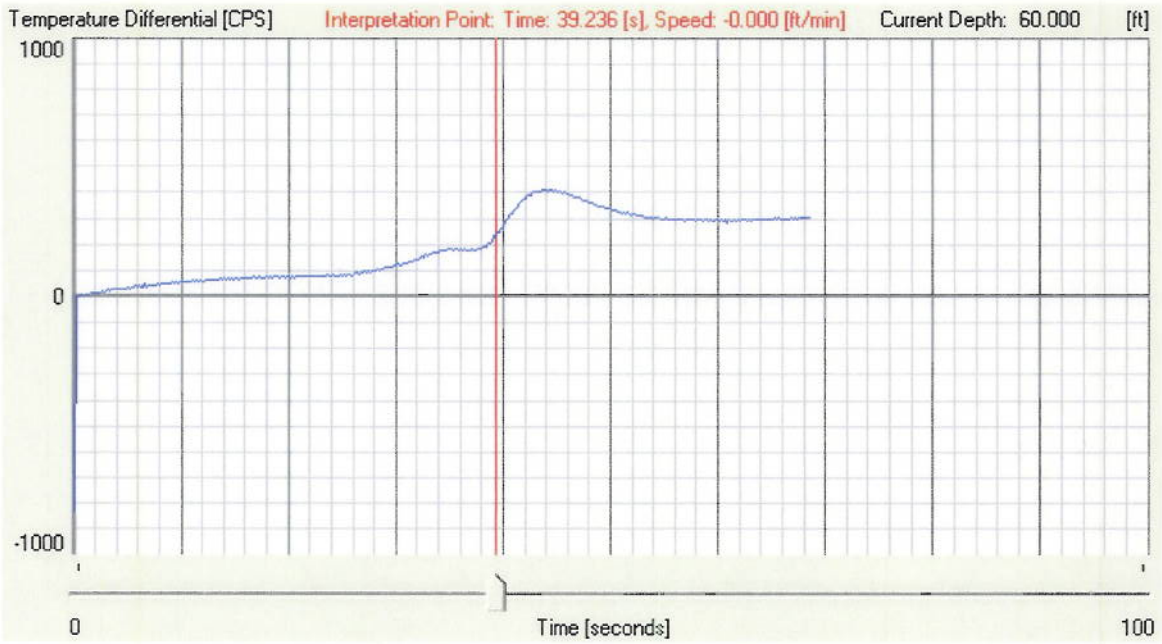
Mw-04

Well Name: mw-04
Location: LEA- Reading
Reference: toc




Temperature Differential [CPS]
Interpretation Point: Time: 50.000 [s], Speed: 0.000 [ft/min]
Current Depth: 60.000
[ft]
1000
0
-1000
0
Time [seconds]
100

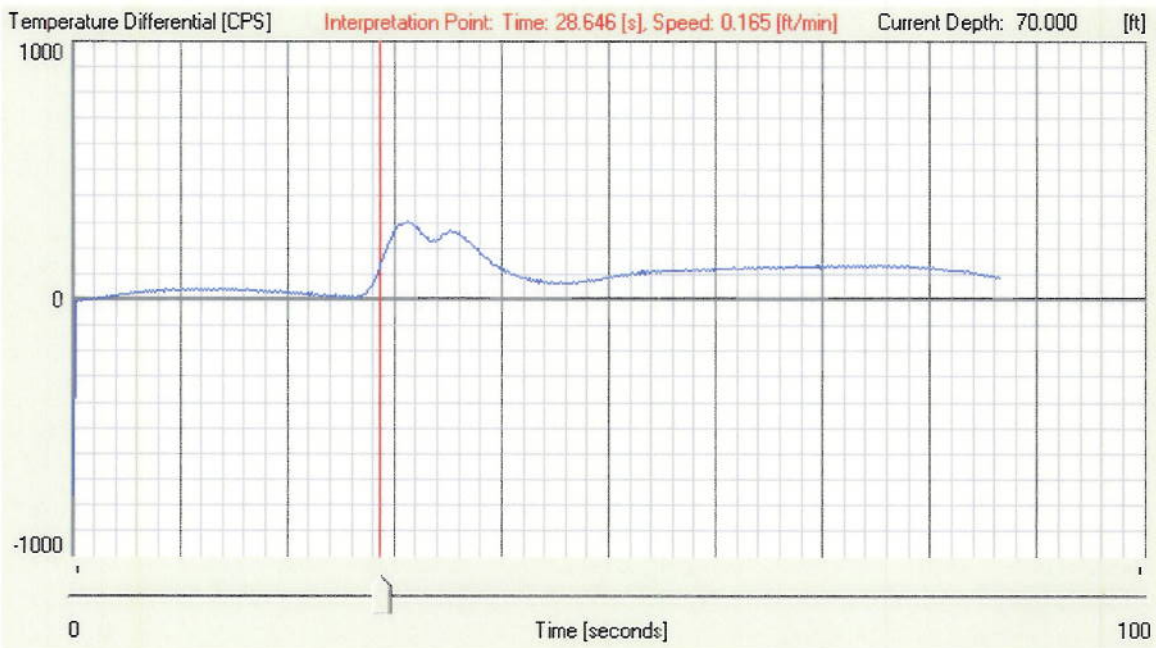
60.1


Temperature Differential [CPS]
Interpretation Point: Time: 39.236 [s], Speed: -0.000 [ft/min]
Current Depth: 60.000
[ft]
1000
0
-1000
0
Time [seconds]
100

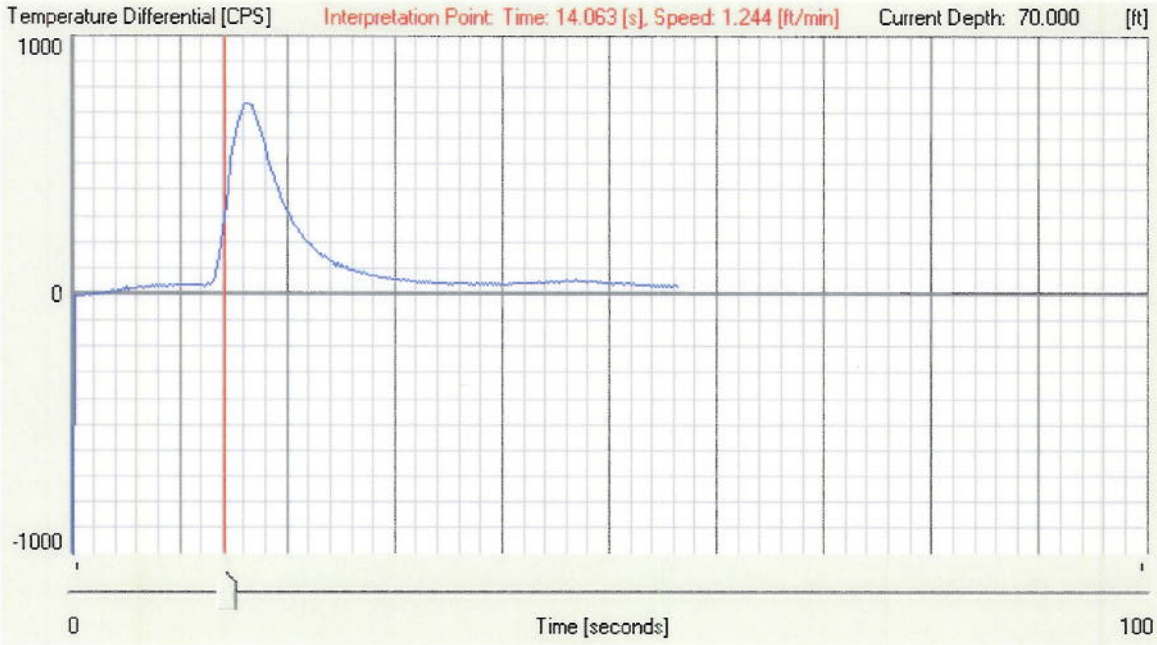
60.2

Temperature Differential [CPS]
Interpretation Point: Time: 43.056 [s], Speed: -0.000 [ft/min]
Current Depth: 60.000
[ft]
1000
0
-1000
0
Time [seconds]
100

60.3


Temperature Differential [CPS]
Interpretation Point: Time: 28.646 [s], Speed: 0.165 [ft/min]
Current Depth: 70.000
[ft]
1000
0
-1000
0
Time [seconds]
100

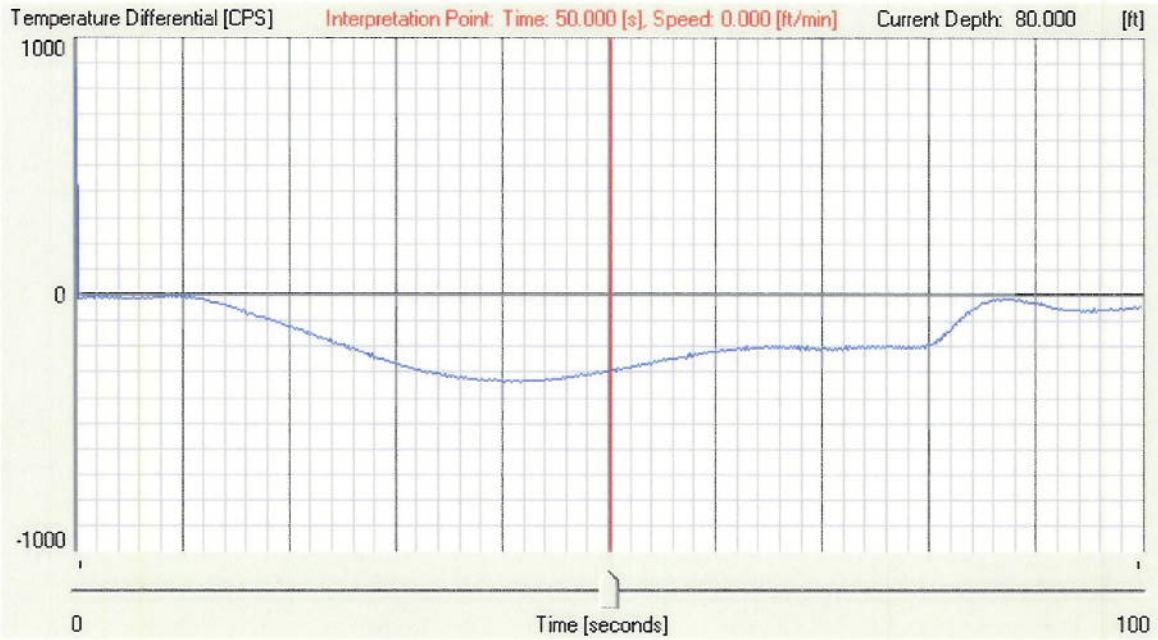
70.1


Temperature Differential [CPS]
Interpretation Point: Time: 14.063 [s], Speed: 1.244 [ft/min]
Current Depth: 70.000
[ft]
1000
0
-1000
0
Time [seconds]
100

70.2

Temperature Differential [CPS]
Interpretation Point: Time: 12.326 [s], Speed: 1.443 [ft/min]
Current Depth: 70.000
[ft]
1000
0
-1000
0
Time [seconds]
100

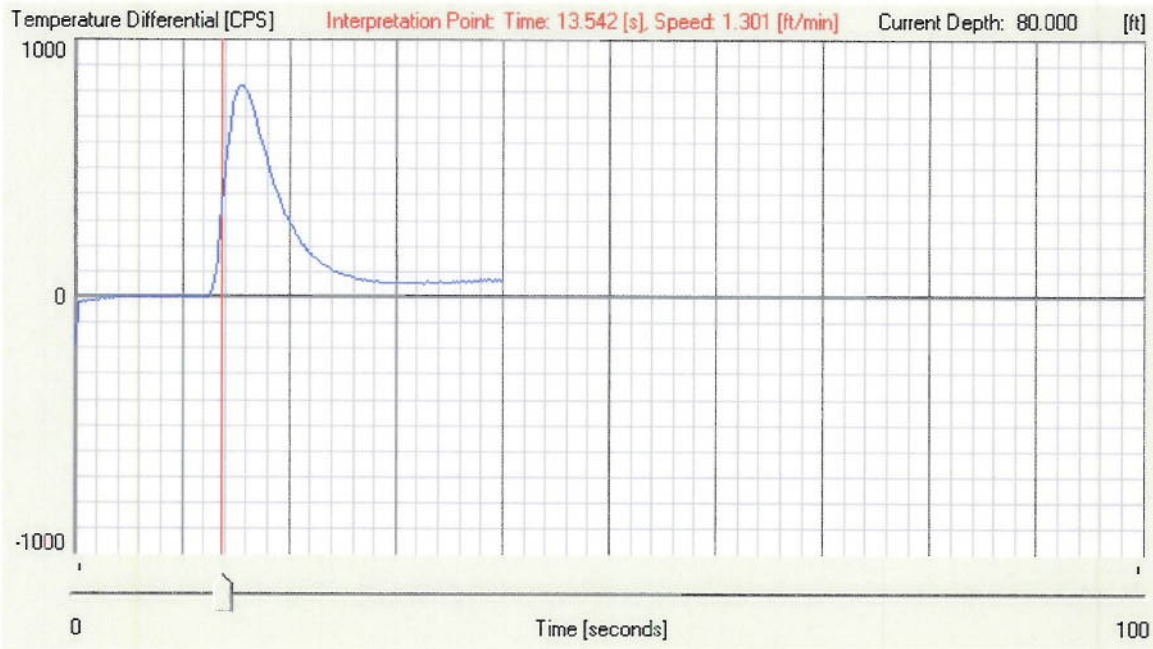
70.3


Temperature Differential [CPS]
Interpretation Point: Time: 50.000 [s], Speed: 0.000 [ft/min]
Current Depth: 80.000
[ft]
1000
0
-1000
0
Time [seconds]
100

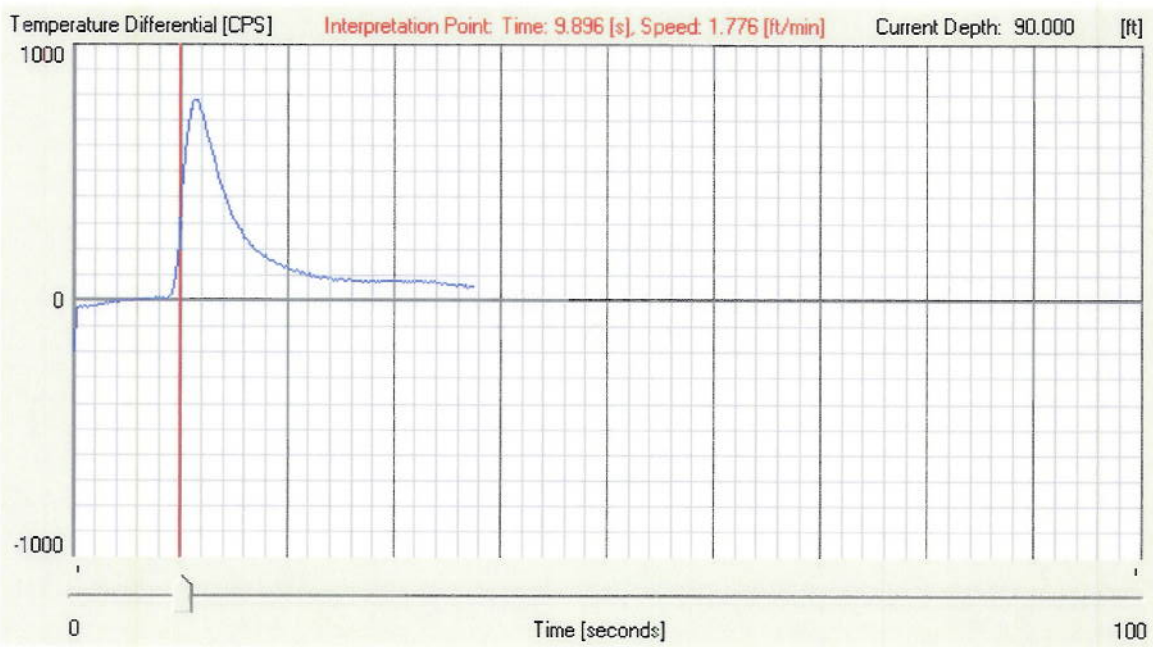
80.1

Temperature Differential [CPS]
Interpretation Point: Time: 20.660 [s], Speed: 0.661 [ft/min]
Current Depth: 80.000
[ft]
1000
0
-1000
0
Time [seconds]
100

80.2

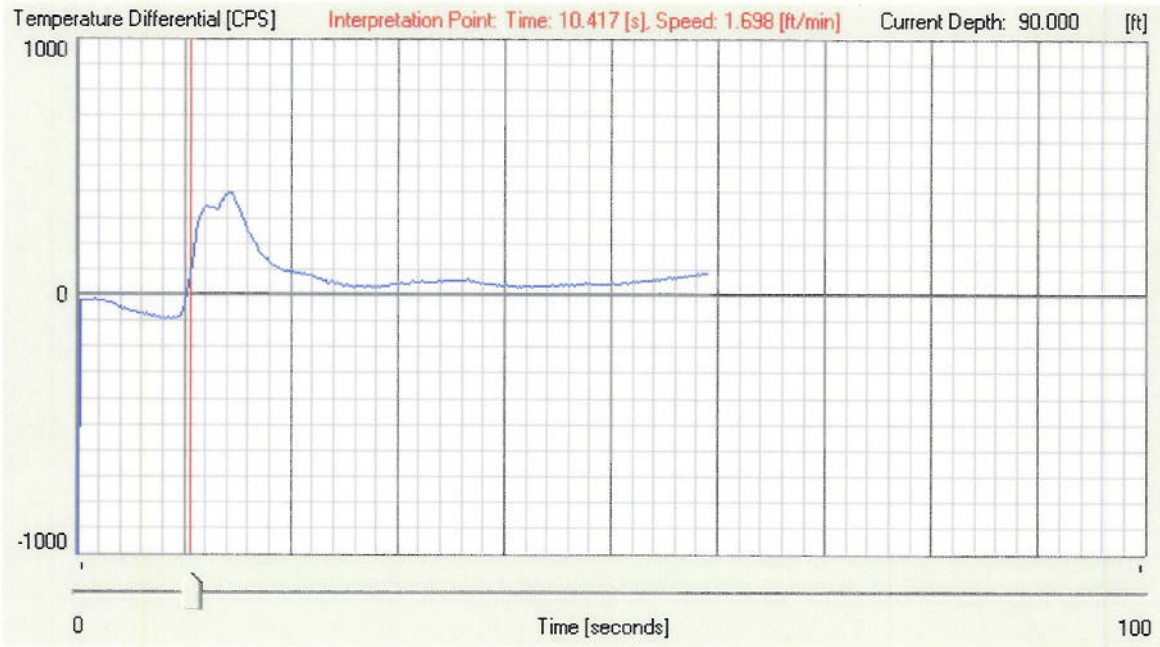


80.3



90.1

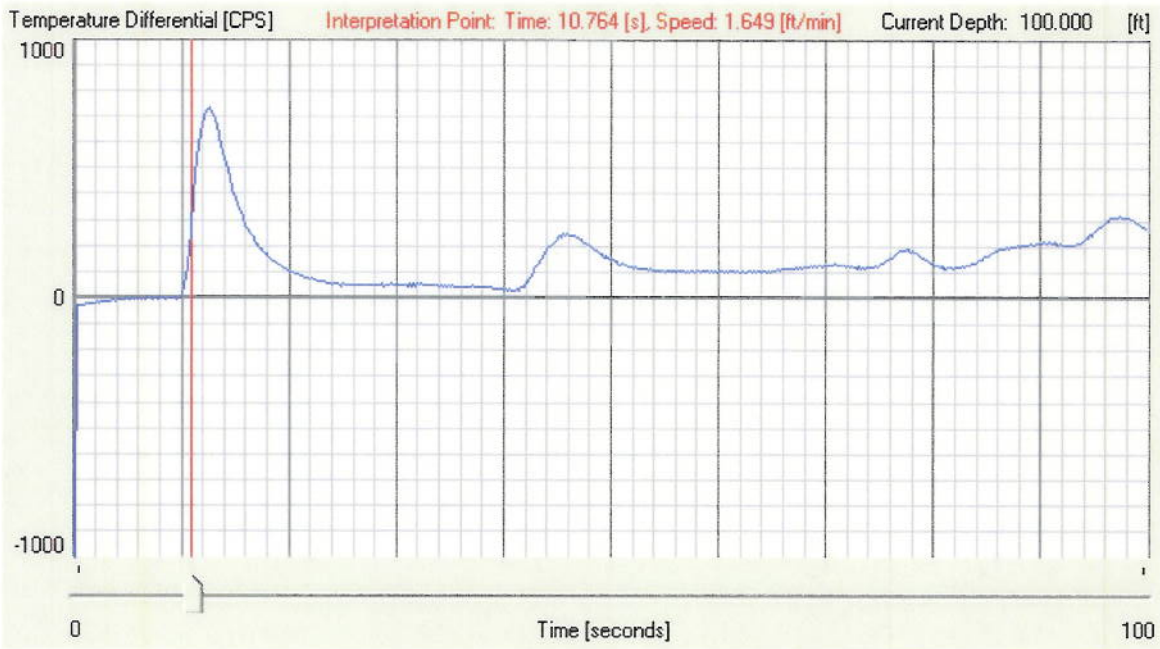
90.2 – graph not saved – Fluid speed 0.65m/min


Temperature Differential [CPS]
Interpretation Point: Time: 10.417 [s], Speed: 1.698 [ft/min]
Current Depth: 90.000
[ft]
1000
0
-1000
0
Time [seconds]
100

90.3

Temperature Differential [CPS]
Interpretation Point: Time: 50.000 [s], Speed: 0.000 [ft/min]
Current Depth: 100.000
[ft]
1000
0
-1000
0
Time [seconds]
100

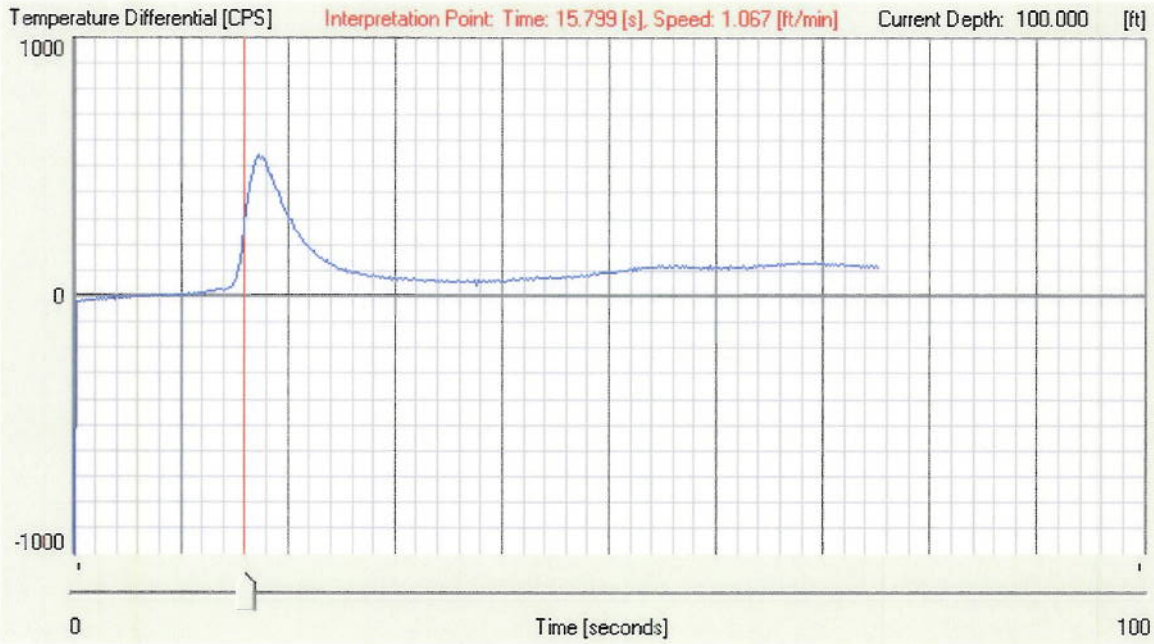
100.1


Temperature Differential [CPS]
Interpretation Point: Time: 10.764 [s], Speed: 1.649 [ft/min]
Current Depth: 100.000 [ft]
1000
0
-1000
0
Time [seconds]
100

100.2

Temperature Differential [CPS]
Interpretation Point: Time: 50.000 [s], Speed: -0.000 [ft/min]
Current Depth: 100.000 [ft]
1000
0
-1000
0
Time [seconds]
100

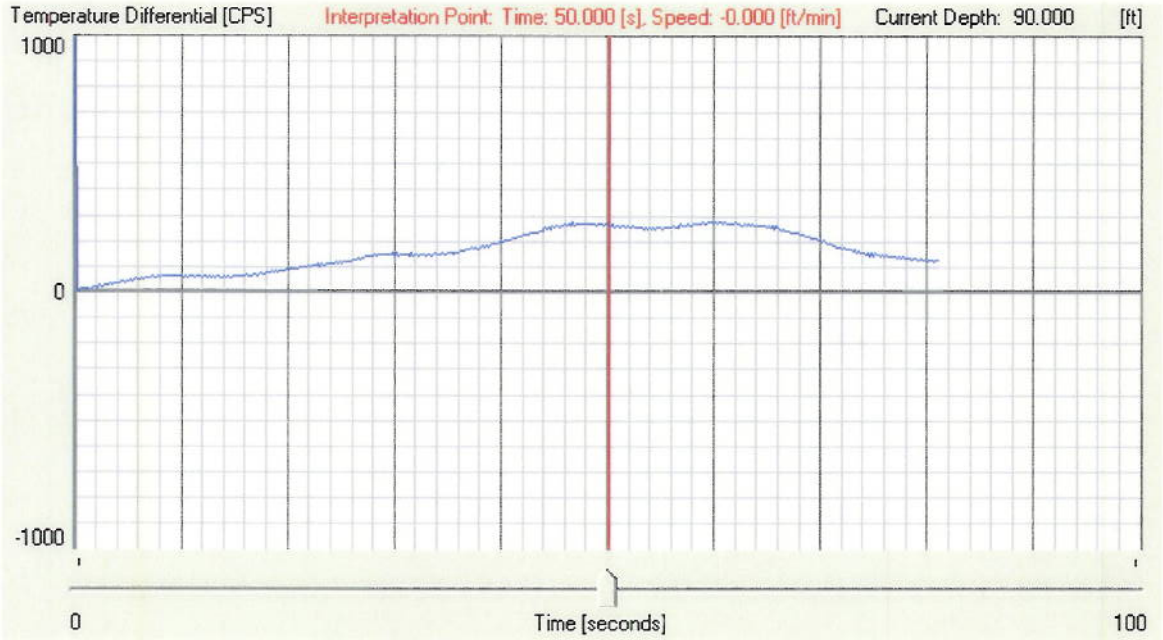
100.3


Temperature Differential [CPS]
Interpretation Point: Time: 15.799 [s], Speed: 1.067 [ft/min]
Current Depth: 100.000 [ft]
1000
0
-1000
0
Time [seconds]
100

100.1

Temperature Differential [CPS]
Interpretation Point: Time: 10.764 [s], Speed: 1.649 [ft/min]
Current Depth: 100.000 [ft]
1000
0
-1000
0
Time [seconds]
100

100.2


Temperature Differential [CPS]
Interpretation Point: Time: 50.000 [s], Speed: -0.000 [ft/min]
Current Depth: 90.000
[ft]
1000
0
-1000
0
Time [seconds]
100

90.1

Temperature Differential [CPS]
Interpretation Point: Time: 16.319 [s], Speed: 1.018 [ft/min]
Current Depth: 90.000
[ft]
1000
0
-1000
0
Time [seconds]
100

90.2

Temperature Differential [CPS]
Interpretation Point: Time: 24.479 [s], Speed: 0.404 [ft/min]
Current Depth: 90.000
[ft]
1000
0
-1000
0
Time [seconds]
100

90.3

Temperature Differential [CPS]
Interpretation Point: Time: 12.500 [s], Speed: 1.422 [ft/min]
Current Depth: 80.000
[ft]
1000
0
-1000
0
Time [seconds]
100

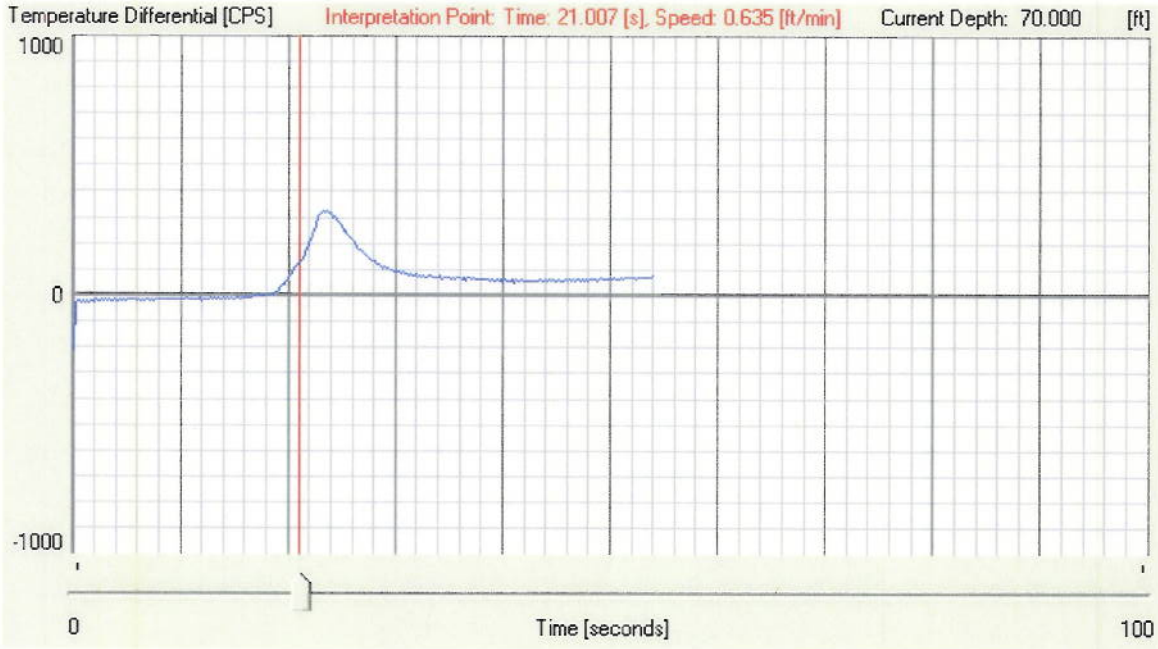
80.1

Temperature Differential [CPS]
Interpretation Point: Time: 24.479 [s], Speed: 0.404 [ft/min]
Current Depth: 80.000
[ft]
1000
0
-1000
0
Time [seconds]
100

80.2

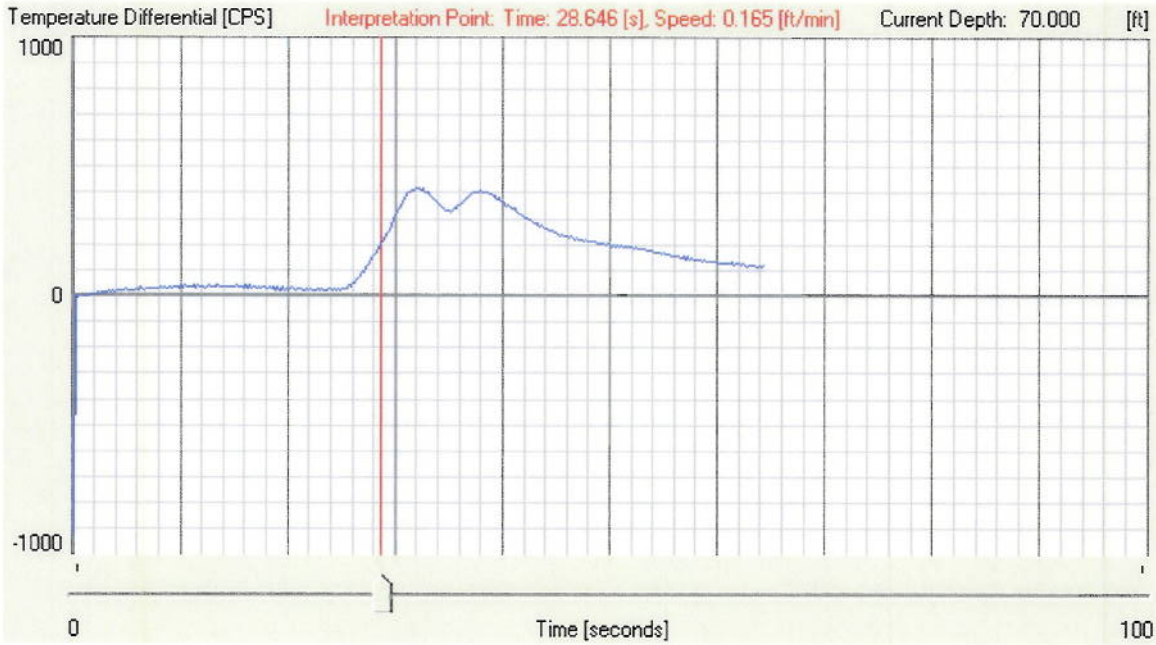
Temperature Differential [CPS]
Interpretation Point: Time: 34.549 [s], Speed: -0.000 [ft/min]
Current Depth: 80.000
[ft]
1000
0
-1000
0
Time [seconds]
100

80.3


Temperature Differential [CPS]
Interpretation Point: Time: 21.007 [s], Speed: 0.635 [ft/min]
Current Depth: 70.000
[ft]
1000
0
-1000
0
Time [seconds]
100

70.1

Temperature Differential [CPS]
Interpretation Point: Time: 18.403 [s], Speed: 0.836 [ft/min]
Current Depth: 70.000
[ft]
1000
0
-1000
0
Time [seconds]
100



70.3

60.1- graph not saved – speed – 1.02m/min upward

60.2

Mw-04 Pumping

60.3

EARTH DATA
NORTHEAST, INC.

PAKER TESTING
ADMINISTRATIVE SHEET

WELL: MW-04

PROJECT: Lourein - Reading - Baldwin

W.O.# FS2287

PURPOSE OF TESTING: Hydrologic Properties & Discrete Sampling

HISTORY OF TESTING: -

DESCRIPTION OF MEASURING POINT: Casing

G.S. TO M.P.: -

ELEVATION:

PRE-TEST OPEN HOLE WATER LEVEL: 54.56

PUMPING EQUIPMENT

PUMP MODEL # Goulds 18E154 & RediFlow

PUMP S/N:

HP: 1.5 VOLTS: 220 PHASE: single STARTER: (Y) or N

NOMINAL DIAMETER OF LIFT PIPE: 2"

TYPE OF PIPE: Galvanized

METHOD OF FLOW MEASUREMENT: Digital Flowmeter & Analog Flowmeter

DISPOSITION OF DISCHARGE:

TIME MEASUREMENT

HOW MEASURED: computer clock

DATE START: -

DATE END: -

PACKER EQUIPMENT

FOR WELLS: 8" INS. IN DIA.

UNINFLATED DIAM: 5.4" INS.

MAX INFLATED DIAM. 10.5"

LENGTH OF BLADDER: 5'

SPREAD: - FT

BLADDER MATERIAL: Vulcanized Rubber

NITROGEN PRESSURE START: 40

PSI STOP: -

PSI AMOUNT USED: -

TRANSDUCER AND DATA LOGGER

DATA LOGGER: Daylocch Datalogger w/ DTSY Lab Software

TRANSDUCERS	UPPER (1)	MIDDLE (2)	LOWER (3)
RANGE	0-200	0-200	0-200
REMARKS			

INTERVALS TESTED

ZONE	FROM	TO	SWL	PWL	GPM	SPECIFIC CAPACITY	REMARKS SAMPLED
OPEN HOLE							
1	SWL	68	54.56	57.20	1.1	0.22	Yes
2	72	TD	54.56	80.42	1.9	0.08	Yes
3							
4							
5							
6							
7							
8							

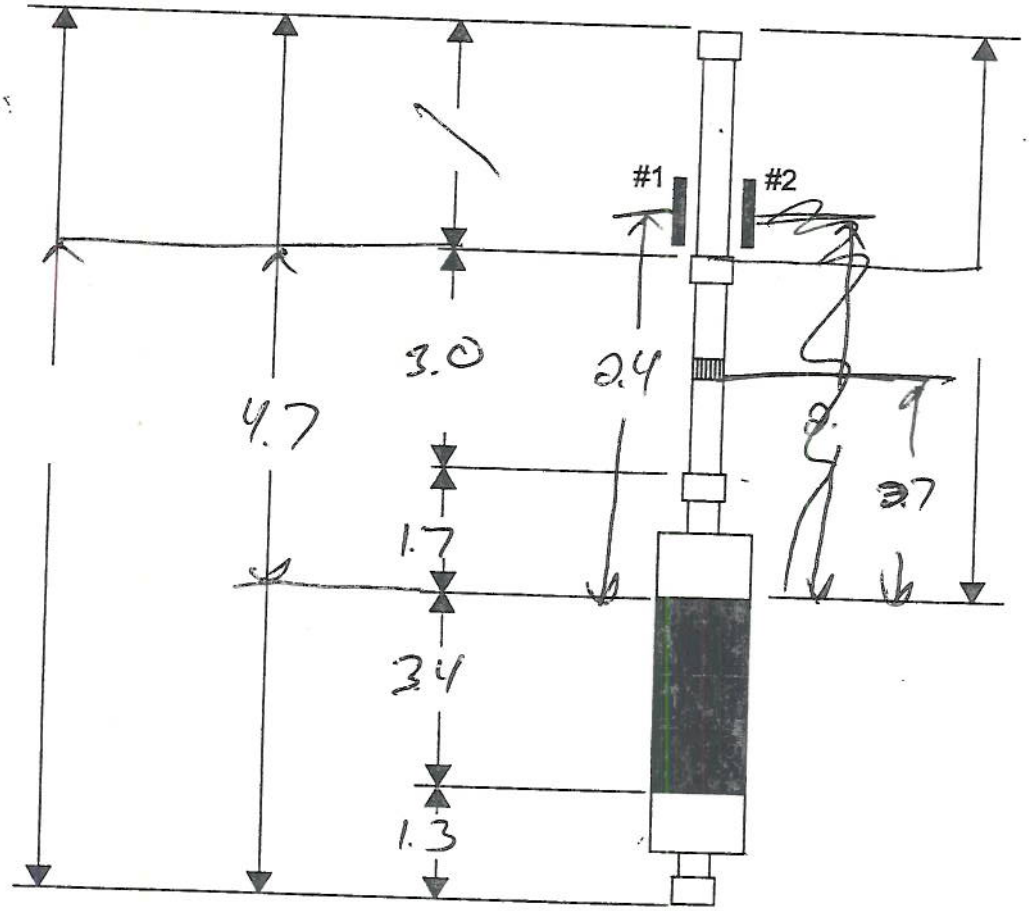
PERSONNEL ON TEST:

HOIST: Smeal

GENERATOR: Honda KW

SUPPORT VEHICLE: F-250 Superduty & F250

SINGLE PACKER DIMENSIONS
(UNINFLATED)



PACKER SERIAL #
5238

TRANSDUCER #1
4264

TRANSDUCER #2
4263

Zone 1

J. O. # 150287	WELL # MW-5D	DIAMETER OF PACKERS 3.5 in.	EARTH DATA NORTHEAST, INC. EXTON, PA
JOB NAME Lawrence-Baldwin	WELL DEPTH 200 ft	DIAMETER OF PUMP 4 in.	
DATES FROM 8 / 13 / 04 TO 8 / 18 / 04	WELL DIAMETER 6 in	DIAMETER OF LIFT PIPE 2 in.	

EARTH DATA
NORTHEAST, INC.

PACKER TESTING FIELD INFORMATION

WELL: MW 04 ZONE: 1 DATE: 8/24/04
PROJECT: Baldwin – Reading CLIENT: Lonmeiro
PERSONNEL: DP GS W.O.#: F50287

SETTING DEPTHS

Point A:	64.1
Upper Packer - Top:	68
Upper Packer - Bottom:	72.1
Pump Intake	90.2
Lower Packer - Top:	–
Lower Packer - Bottom:	–
Assembly Bottom:	92.5

PACKER INFLATION

TOP	BOTTOM
40	–

DATA COLLECTION CALIBRATION

Configuration Filename: MW04 Zn 1
ASC Filename: MW04 Zn 1
Current V = static water level (ft)
Open Air V = transducer depth (ft)

CHANNEL 1	CHANNEL 2	CHANNEL 3
-0.456 V = 54.56	-0.520 V = 54.56	– V = –
-0.433 V = 63.5	-0.429 V = 87.41	– V = –

Additional Calibration Notes:

TEST SEQUENCE

Begin Logging	14 10 51
Start Inflation	14 13 22
Begin Pumping	14 23 30
End Pumping	14 40 13
Totalizer Prior	0.3
Totalizer Post	57
End Logging	14 50 00

HYDRAULIC HEAD DISTRIBUTION (ft)

Open Hole Static Water Level: 54.56

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	54.51	52.61	52.21	57.20	56.72
2	54.55	51.57	55.33	56.53	56.36
3					
4					

Miscellaneous Notes: Red. Flow @ 58'

PUMPING RECORD

Pumping Zone:	SWZ-68
Pumping Rate:	1.1
Pumping Duration:	~10 min
Maximum Drawdown:	4.99
Specific Capacity:	0.22
Nature of Discharge:	Tank
Time of Recovery:	9:47

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

RATE ADJUSTMENTS initial rate - 1.1 gpm

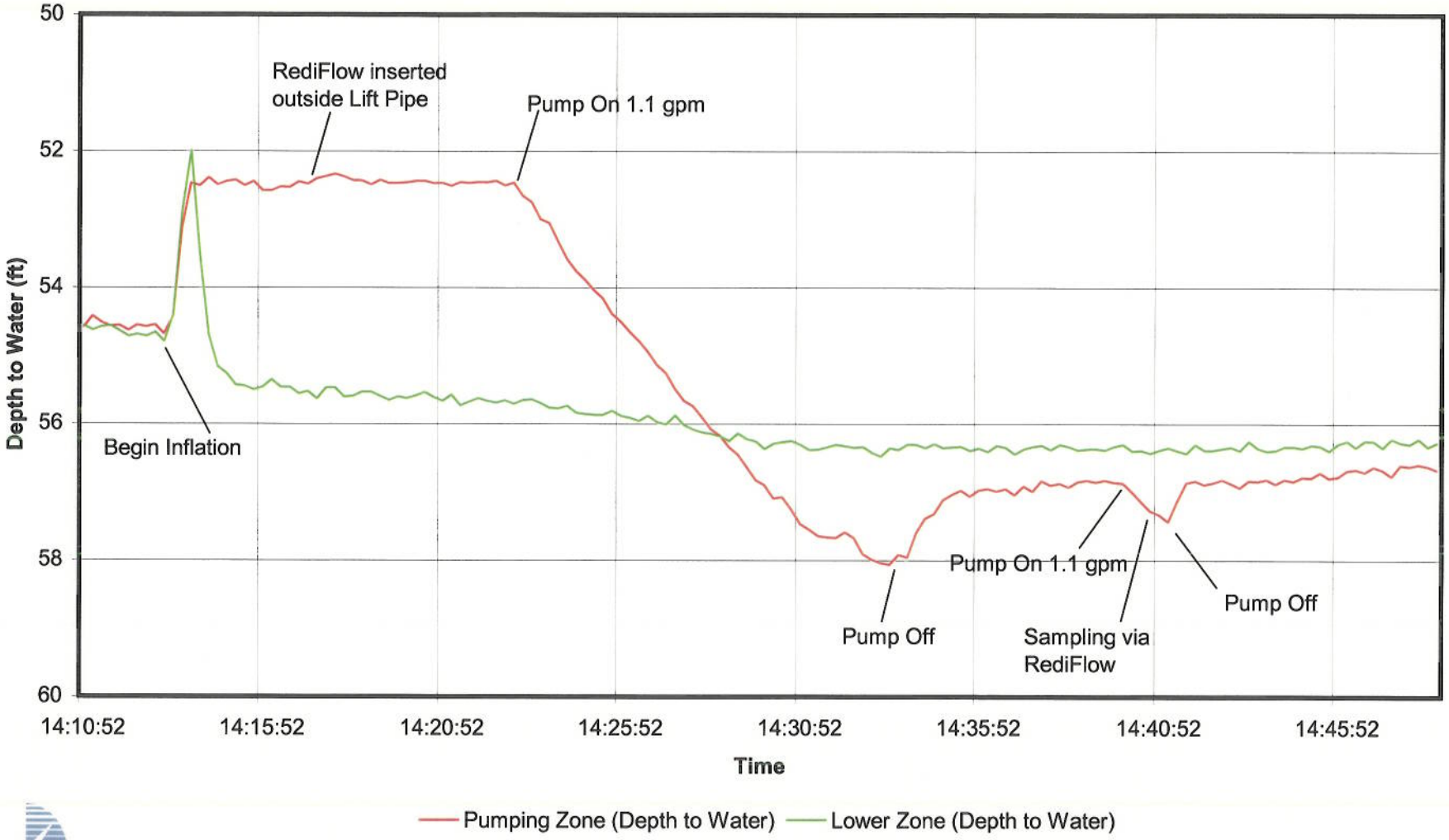
SUMMARY

Dewatered @ 14:33
Red. Flow off
Red. Flow on @ 14:39

MW - 04 Zone 1 (SWL-68')

Baldwin Mfg. TCE Site

August 24, 2004



EARTH DATA

Earth Data Northeast, Inc.

Loureiro, Baldwin TCE Site
Well: MW-04
Zone 1 (SWL-68')
Testing Date: 8/24/2004

Data recorded at 15 second intervals

Date	Time	Pumping Zone (Depth to Water)	Lower Zone (Depth to Water)	
8/24/104	14:10:52	54.59	54.57	
8/24/104	14:11:07	54.42	54.63	
8/24/104	14:11:22	54.52	54.58	
8/24/104	14:11:37	54.57	54.57	
8/24/104	14:11:52	54.56	54.65	
8/24/104	14:12:07	54.64	54.72	
8/24/104	14:12:22	54.56	54.70	
8/24/104	14:12:37	54.59	54.72	
8/24/104	14:12:52	54.56	54.66	
8/24/104	14:13:07	54.69	54.80	Begin Inflation
8/24/104	14:13:22	54.43	54.41	
8/24/104	14:13:37	53.12	52.87	
8/24/104	14:13:52	52.48	52.00	
8/24/104	14:14:07	52.51	53.54	
8/24/104	14:14:22	52.39	54.70	
8/24/104	14:14:37	52.50	55.17	
8/24/104	14:14:52	52.45	55.27	
8/24/104	14:15:07	52.43	55.44	
8/24/104	14:15:22	52.51	55.45	
8/24/104	14:15:37	52.45	55.51	
8/24/104	14:15:52	52.58	55.47	
8/24/104	14:16:07	52.58	55.36	
8/24/104	14:16:22	52.53	55.47	
8/24/104	14:16:37	52.54	55.47	
8/24/104	14:16:52	52.45	55.57	
8/24/104	14:17:07	52.49	55.53	
8/24/104	14:17:22	52.41	55.64	
8/24/104	14:17:37	52.38	55.48	
8/24/104	14:17:52	52.34	55.48	
8/24/104	14:18:07	52.38	55.62	
8/24/104	14:18:22	52.43	55.60	
8/24/104	14:18:37	52.44	55.54	
8/24/104	14:18:52	52.50	55.54	
8/24/104	14:19:07	52.43	55.60	
8/24/104	14:19:22	52.48	55.66	
8/24/104	14:19:37	52.47	55.61	
8/24/104	14:19:52	52.46	55.63	
8/24/104	14:20:07	52.45	55.59	
8/24/104	14:20:22	52.44	55.54	
8/24/104	14:20:37	52.48	55.62	
8/24/104	14:20:52	52.47	55.67	

8/24/104	14:21:07	52.51	55.58	
8/24/104	14:21:22	52.46	55.74	
8/24/104	14:21:37	52.47	55.68	
8/24/104	14:21:52	52.46	55.63	
8/24/104	14:22:07	52.46	55.67	
8/24/104	14:22:22	52.44	55.70	
8/24/104	14:22:37	52.51	55.67	
8/24/104	14:22:52	52.47	55.71	
8/24/104	14:23:07	52.66	55.66	
8/24/104	14:23:22	52.75	55.65	
8/24/104	14:23:37	53.00	55.70	Pump On
8/24/104	14:23:52	53.06	55.77	
8/24/104	14:24:07	53.33	55.78	
8/24/104	14:24:22	53.59	55.74	
8/24/104	14:24:37	53.76	55.84	
8/24/104	14:24:52	53.89	55.86	
8/24/104	14:25:07	54.05	55.88	
8/24/104	14:25:22	54.17	55.87	
8/24/104	14:25:37	54.39	55.82	
8/24/104	14:25:52	54.51	55.89	
8/24/104	14:26:07	54.65	55.92	
8/24/104	14:26:22	54.79	55.96	
8/24/104	14:26:37	54.95	55.89	
8/24/104	14:26:52	55.14	55.98	
8/24/104	14:27:07	55.26	56.01	
8/24/104	14:27:22	55.49	55.88	
8/24/104	14:27:37	55.67	56.02	
8/24/104	14:27:52	55.75	56.09	
8/24/104	14:28:07	55.91	56.13	
8/24/104	14:28:22	56.08	56.15	
8/24/104	14:28:37	56.18	56.19	
8/24/104	14:28:52	56.35	56.26	
8/24/104	14:29:07	56.46	56.15	
8/24/104	14:29:22	56.64	56.23	
8/24/104	14:29:37	56.83	56.26	
8/24/104	14:29:52	56.90	56.37	
8/24/104	14:30:07	57.10	56.30	
8/24/104	14:30:22	57.08	56.27	
8/24/104	14:30:37	57.26	56.26	
8/24/104	14:30:52	57.47	56.31	
8/24/104	14:31:07	57.56	56.39	
8/24/104	14:31:22	57.65	56.38	
8/24/104	14:31:37	57.67	56.35	
8/24/104	14:31:52	57.67	56.31	
8/24/104	14:32:07	57.59	56.33	
8/24/104	14:32:22	57.68	56.36	
8/24/104	14:32:37	57.91	56.34	
8/24/104	14:32:52	57.99	56.43	
8/24/104	14:33:07	58.04	56.49	
8/24/104	14:33:22	58.06	56.36	
8/24/104	14:33:37	57.92	56.39	Pump Off
8/24/104	14:33:52	57.96	56.31	

8/24/104	14:34:07	57.60	56.31	
8/24/104	14:34:22	57.39	56.36	
8/24/104	14:34:37	57.32	56.30	
8/24/104	14:34:52	57.12	56.36	
8/24/104	14:35:07	57.04	56.35	
8/24/104	14:35:22	56.98	56.34	
8/24/104	14:35:37	57.07	56.40	
8/24/104	14:35:52	56.98	56.36	
8/24/104	14:36:07	56.96	56.42	
8/24/104	14:36:22	56.99	56.33	
8/24/104	14:36:37	56.96	56.35	
8/24/104	14:36:52	57.05	56.45	
8/24/104	14:37:07	56.92	56.38	
8/24/104	14:37:22	57.00	56.34	
8/24/104	14:37:37	56.84	56.32	
8/24/104	14:37:52	56.91	56.39	
8/24/104	14:38:07	56.88	56.31	
8/24/104	14:38:22	56.93	56.34	
8/24/104	14:38:37	56.86	56.39	
8/24/104	14:38:52	56.83	56.37	
8/24/104	14:39:07	56.86	56.37	
8/24/104	14:39:22	56.83	56.39	
8/24/104	14:39:37	56.86	56.33	
8/24/104	14:39:52	56.87	56.31	Pump On
8/24/104	14:40:07	57.00	56.41	
8/24/104	14:40:22	57.14	56.39	
8/24/104	14:40:37	57.28	56.44	
8/24/104	14:40:52	57.34	56.39	
8/24/104	14:41:07	57.44	56.36	Pump Off
8/24/104	14:41:22	57.14	56.40	
8/24/104	14:41:37	56.87	56.44	
8/24/104	14:41:52	56.84	56.31	
8/24/104	14:42:07	56.90	56.39	
8/24/104	14:42:22	56.87	56.39	
8/24/104	14:42:37	56.82	56.37	
8/24/104	14:42:52	56.88	56.35	
8/24/104	14:43:07	56.94	56.40	
8/24/104	14:43:22	56.84	56.26	
8/24/104	14:43:37	56.85	56.36	
8/24/104	14:43:52	56.82	56.41	
8/24/104	14:44:07	56.89	56.39	
8/24/104	14:44:22	56.82	56.34	
8/24/104	14:44:37	56.85	56.34	
8/24/104	14:44:52	56.79	56.36	
8/24/104	14:45:07	56.80	56.32	
8/24/104	14:45:22	56.72	56.33	
8/24/104	14:45:37	56.80	56.40	
8/24/104	14:45:52	56.78	56.30	
8/24/104	14:46:07	56.69	56.26	
8/24/104	14:46:22	56.67	56.35	
8/24/104	14:46:37	56.71	56.25	
8/24/104	14:46:52	56.63	56.26	

8/24/104	14:47:07	56.69	56.36
8/24/104	14:47:22	56.77	56.22
8/24/104	14:47:37	56.61	56.28
8/24/104	14:47:52	56.63	56.30
8/24/104	14:48:07	56.60	56.22
8/24/104	14:48:22	56.63	56.34
8/24/104	14:48:37	56.68	56.28

EARTH DATA
NORTHEAST, INC.

PACKER TESTING FIELD INFORMATION

WELL: mw-04 ZONE: 2 DATE: 8/24/04
PROJECT: Baldwin - Reading CLIENT: Lonzion
PERSONNEL: DP, GS W.O.#: F50257

SETTING DEPTHS

Point A:	64.1
Upper Packer - Top:	68
Upper Packer - Bottom:	72.1
Pump Intake	90.2
Lower Packer - Top:	—
Lower Packer - Bottom:	—
Assembly Bottom:	92.5

PACKER INFLATION

TOP	BOTTOM
40	—

DATA COLLECTION CALIBRATION

Configuration Filename: mw04 zn2
ASC Filename: mw04 zn2
Current V = static water level (ft)
Open Air V = transducer depth (ft)

CHANNEL 1	CHANNEL 2	CHANNEL 3
-0.456 V = 54.56	-0.520 V = 54.56	— V = —
-0.423 V = 63.5	-0.429 V = 87.4	— V = —

Additional Calibration Notes:

TEST SEQUENCE

Begin Logging	14 57 00
Start Inflation	—
Begin Pumping	15 01 49
End Pumping	15 37 50
Totalizer Prior	0.4
Totalizer Post	73.2
End Logging	15:55:00

HYDRAULIC HEAD DISTRIBUTION (ft)

Open Hole Static Water Level: —

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	56.25	—	56.33	56.41	55.06
2	56.36	—	56.27	60.42	57.99
3					
4					

Miscellaneous Notes:

PUMPING RECORD

Pumping Zone:	72-TD
Pumping Rate:	1.9 gpm
Pumping Duration:	56.01
Maximum Drawdown:	24.15
Specific Capacity:	0.08
Nature of Discharge:	Tank
Time of Recovery:	17:10

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

RATE ADJUSTMENTS initial rate - 1.0 gpm / 2.6 gpm @ 15:10 / 2.2 gpm @ 15:16 / 2.0 gpm @ 15:25 1.8 gpm @ 15:27 / 1.75 gpm @ 15:28 / 1.9 gpm @ 15:35

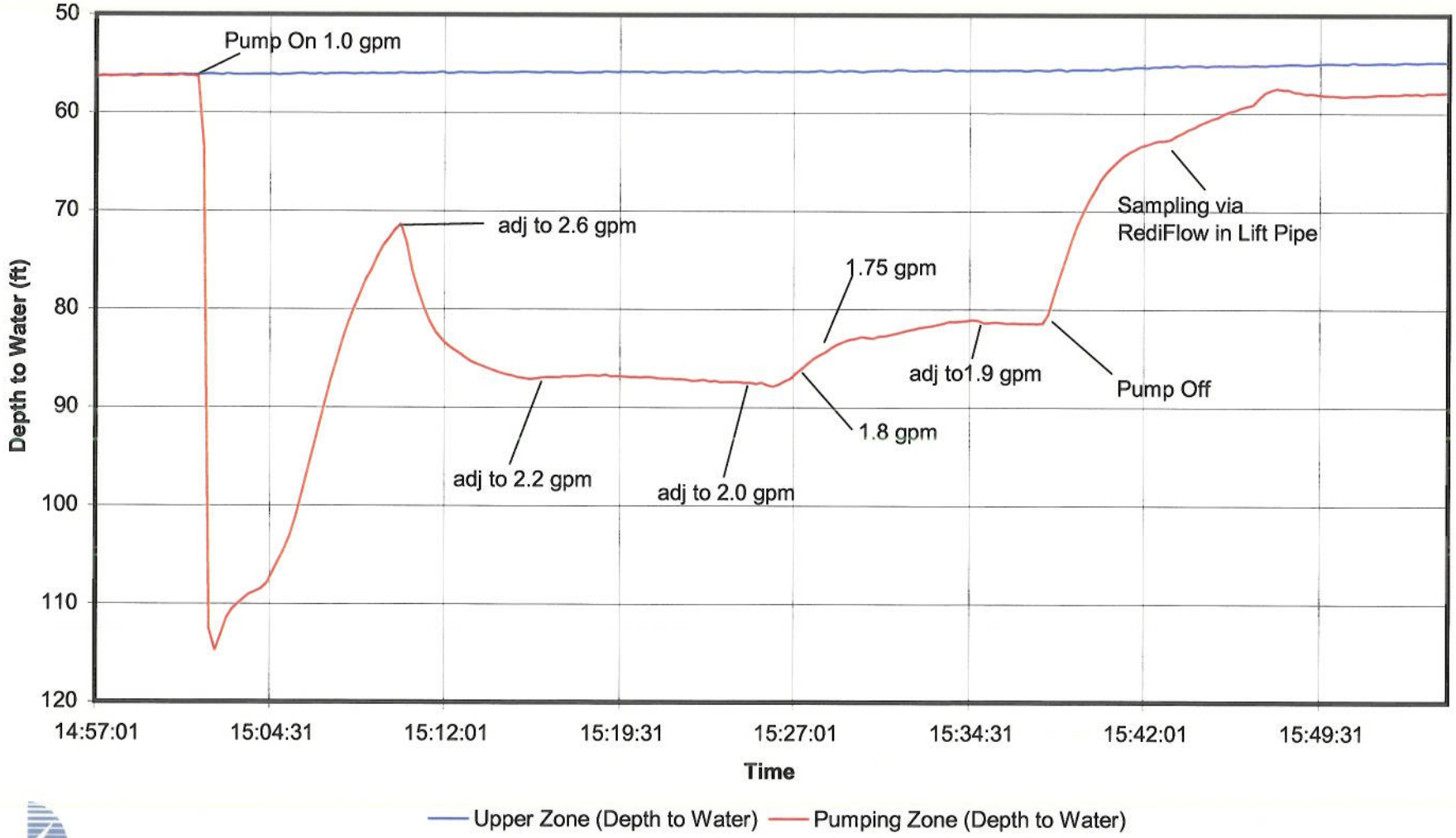
packer already inflated at logging start

SUMMARY

MW - 04 Zone 2 (72'-TD)

Baldwin Mfg. TCE Site

August 24, 2004



EARTH DATA