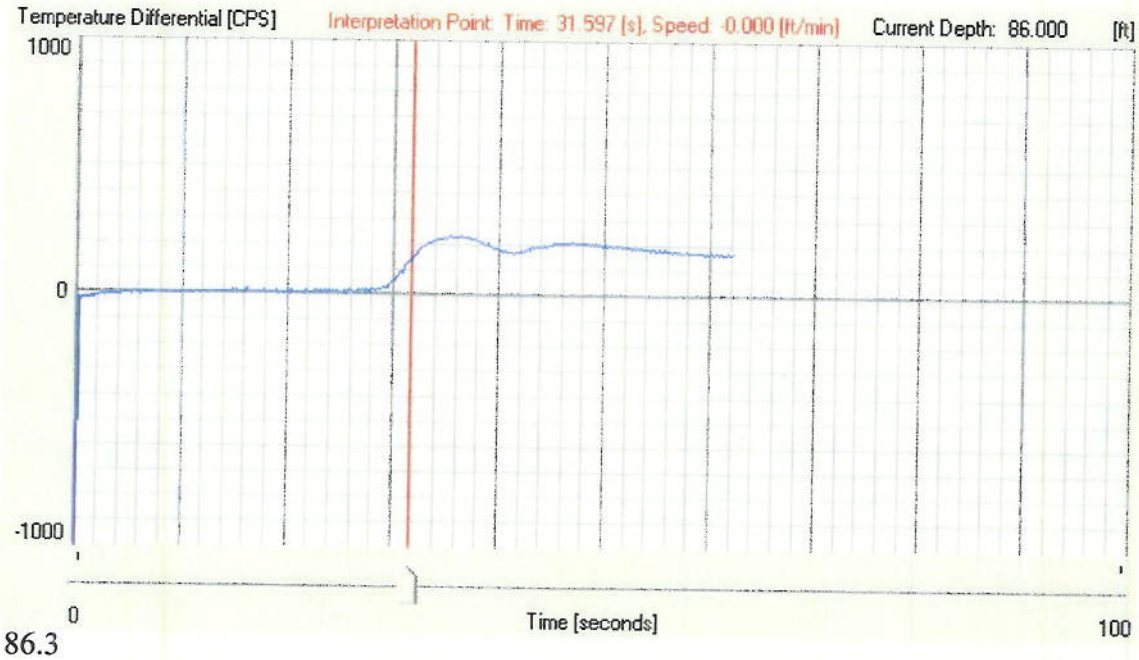
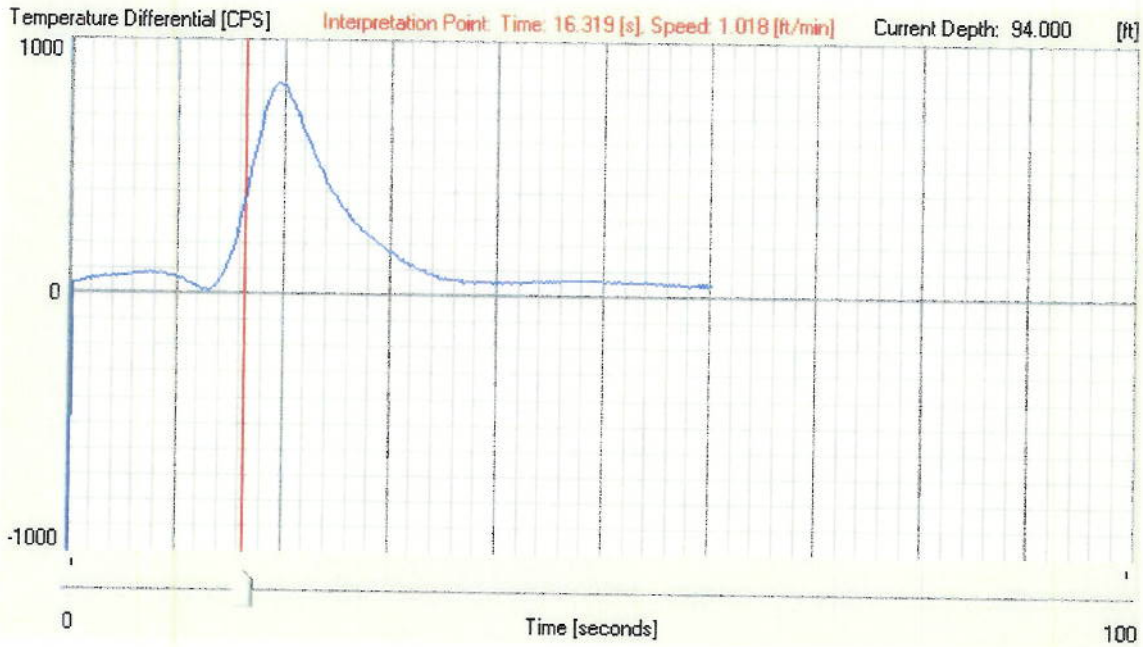
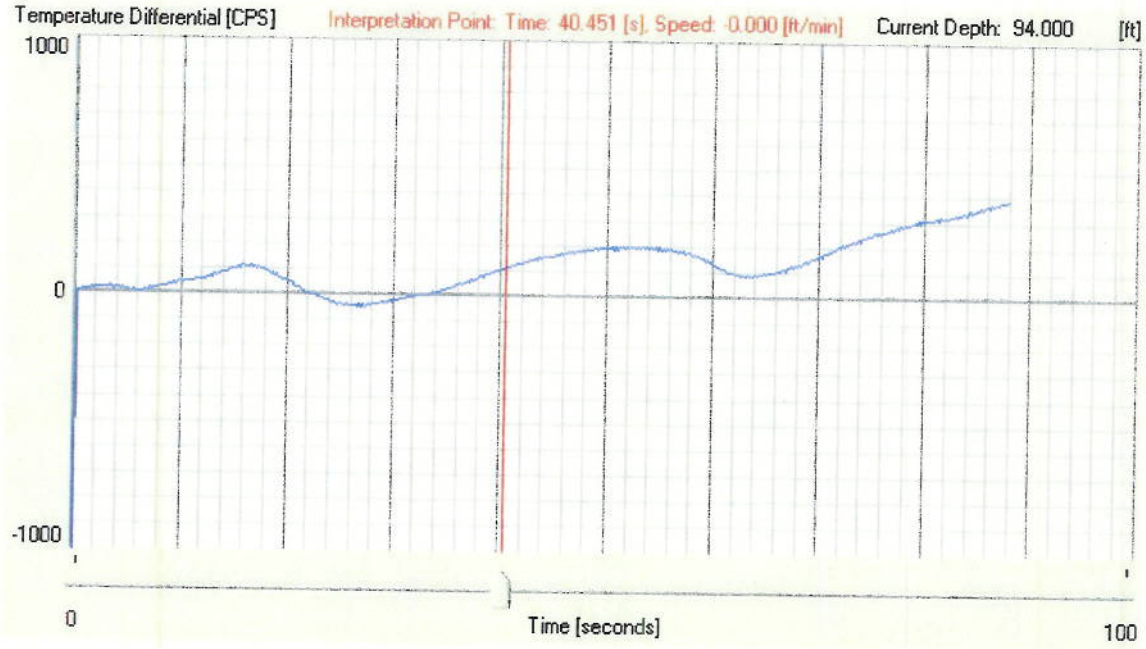

Temperature Differential [CPS]
Interpretation Point: Time: 31.597 [s], Speed: 0.000 [ft/min]
Current Depth: 86.000
[ft]
1000
0
-1000
0
Time [seconds]
100

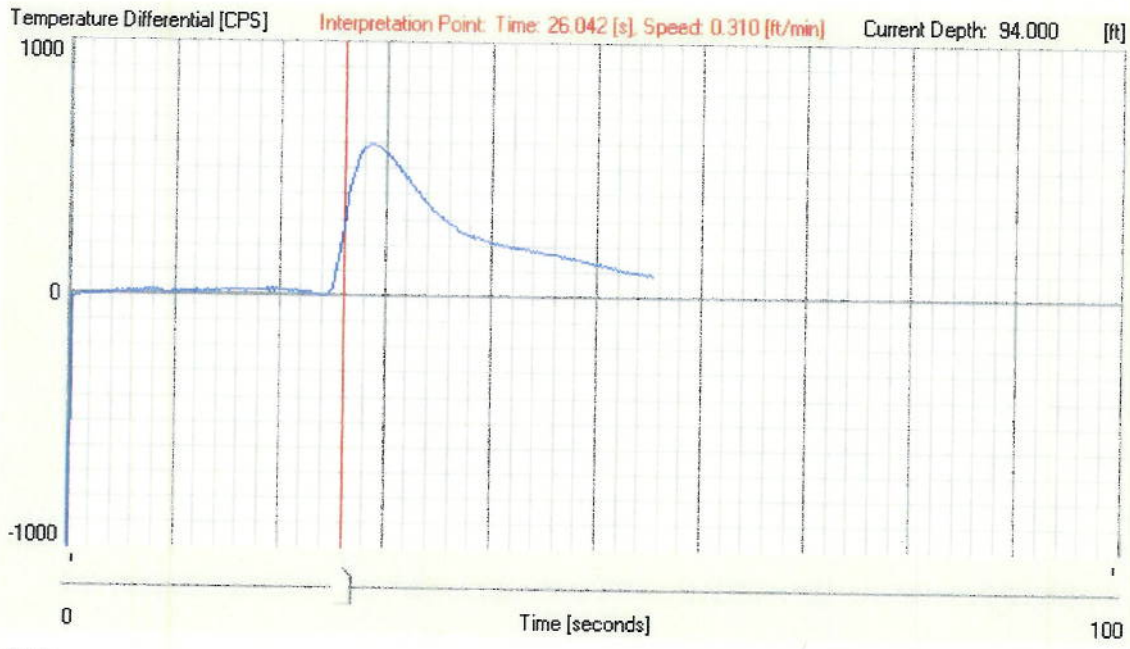
86.3


Temperature Differential [CPS]
Interpretation Point: Time: 16.319 [s], Speed: 1.018 [ft/min]
Current Depth: 94.000
[ft]
1000
0
-1000
0
Time [seconds]
100

94.1


Temperature Differential [CPS]
Interpretation Point: Time: 40.451 [s], Speed: -0.000 [ft/min]
Current Depth: 94.000
[ft]
1000
0
-1000
0
Time [seconds]
100

94.2


Temperature Differential [CPS]
Interpretation Point: Time: 26.042 [s], Speed: 0.310 [ft/min]
Current Depth: 94.000
[ft]
1000
0
-1000
0
Time [seconds]
100

94.3

EARTH DATA
NORTHEAST, INC.

PAKER TESTING
ADMINISTRATIVE SHEET

WELL: MW-09

PROJECT: Lourein - Rawling - Baldwin

W.O.# F50287

PURPOSE OF TESTING: Hydrologic Properties & Discreet Sampling

HISTORY OF TESTING: -

DESCRIPTION OF MEASURING POINT: Casing

G.S. TO M.P.: -

ELEVATION:

PRE-TEST OPEN HOLE WATER LEVEL: 48.43

PUMPING EQUIPMENT

PUMP MODEL #: Goulds 18E154 & Grundfos Redi Flow

PUMP S/N:

HP: 1.5 VOLTS: 220 PHASE: single STARTER: Ⓢ 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: 150/80

PSI STOP: -

PSI AMOUNT USED: -

TRANSDUCER AND DATA LOGGER

DATA LOGGER: Doglock Datalogger & RTSI 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	71	48.43	48.00	2.0		
2	SWL	79	52.56	62.71	1.25	0.10	Yes
3	81	TD	52.56	92.55	1.21	0.03	Yes
4							
5							
6							
7							
8							

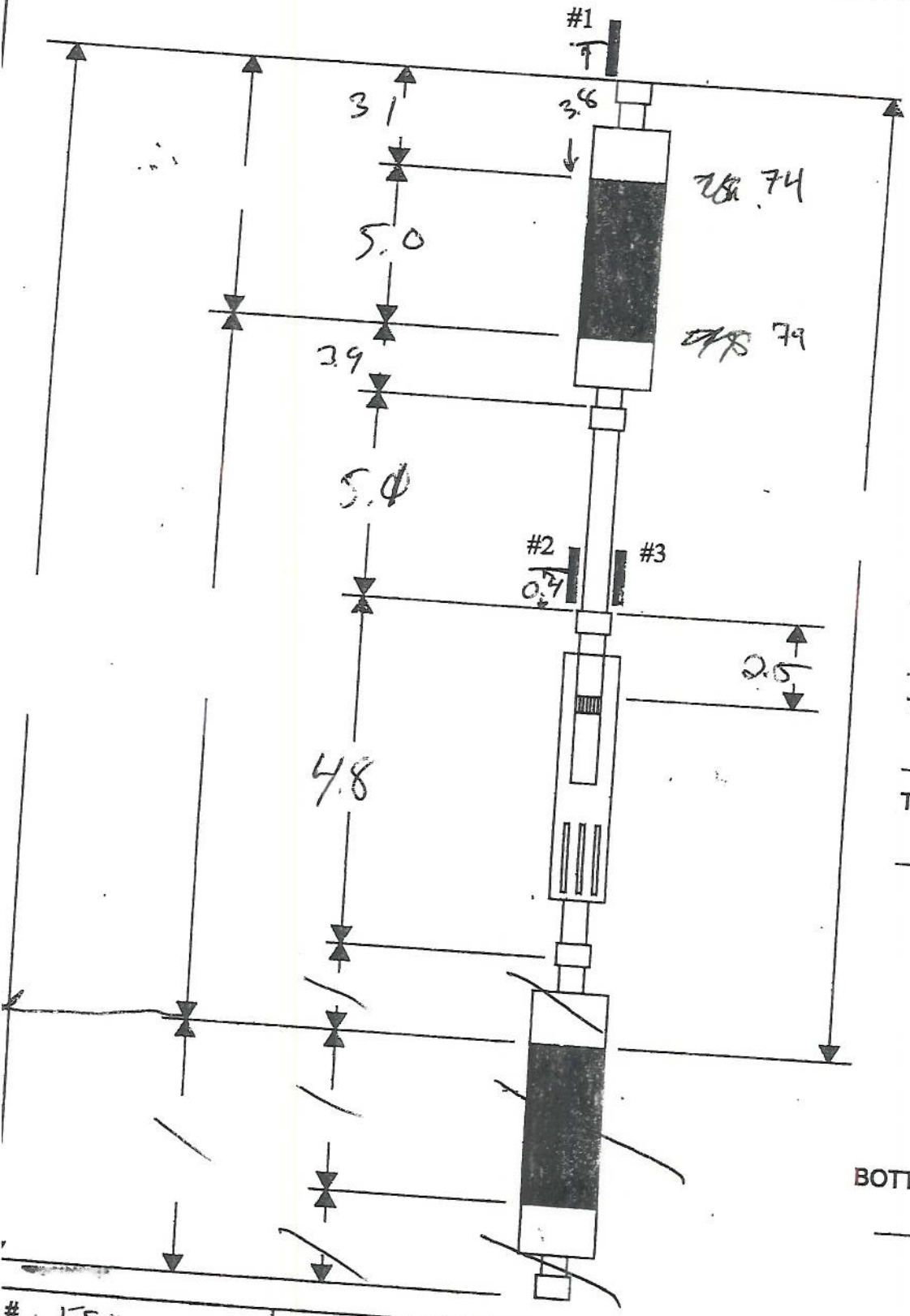
PERSONNEL ON TEST: DP GS

LIST: Sand

GENERATOR: Honda KW

SUPPORT VEHICLE: F250 Sidewalk & F250

STRADDLE PACKER DIMENSIONS
(UNINFLATED)



TOP PACKER SERIAL # 2295.9

TRANSDUCER #1

TRANSDUCER #2

TRANSDUCER #3

BOTTOM PACKER SERIAL #

# 158	WELL # MW-09	DIAMETER OF PACKERS 5.4 in.	EARTH DATA NORTHEAST, INC.
NAME Lorenzo - Bldum	WELL DEPTH 100 ft	DIAMETER OF PUMP 3.5 in.	
S FROM 8/30/04 TO 8/30/04	WELL DIAMETER 8 in	DIAMETER OF LIFT PIPE 2 in	

EARTH DATA NORTHEAST, INC.

PACKER TESTING FIELD INFORMATION

WELL: mw-09 ZONE: 1 DATE: 8/30/011

PROJECT: Baldwin Reading CLIENT: Lawner

PERSONNEL: DP, GS W.O.#: F5e287

SETTING DEPTHS

Point A:	75.9
Upper Packer - Top:	79
Upper Packer - Bottom:	84
Pump Intake	95.5
Lower Packer - Top:	–
Lower Packer - Bottom:	–
Assembly Bottom:	97.8

PACKER INFLATION

TOP	BOTTOM
78	–

TEST SEQUENCE

Begin Logging	11 41 30
Start Inflation	11 43 20
Begin Pumping	11 49 08
End Pumping	12 32 32
Totalizer Prior	0.1
Totalizer Post	74.5
End Logging	12:51:23

PUMPING RECORD

Pumping Zone:	SWL - 79
Pumping Rate:	1.75
Pumping Duration:	43:24
Maximum Drawdown:	11.93
Specific Capacity:	0.10
Nature of Discharge:	Tank
Time of Recovery:	11:51

DATA COLLECTION CALIBRATION

Configuration Filename: mw09 zn1

ASC Filename: mw09 zn1

Current V = static water level (ft)

Open Air V = transducer depth (ft)

CHANNEL 1	CHANNEL 2	CHANNEL 3
-0.500 V = 52.56	-0.546 V = 52.56	– V = –
-0.433 V = 75.2	-0.433 V = 92.6	– V = –

Additional Calibration Notes:

HYDRAULIC HEAD DISTRIBUTION (ft)

Open Hole Static Water Level: 52.56

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	52.53	50.75	50.78	62.71	55.97
2	52.54	49.37	49.87	46.48	45.19
3					
4					

Miscellaneous Notes: Radi Flow @ 45'

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

RATE ADJUSTMENTS initial rate – 2.0 gpm / rate fell to 1.85 @ 11:52:30 / rate fell to 1.7 @ 11:56 to 11:01 – 2.0 gpm / fell to 1.85 @ 12:02 / 12:12 fell to 1.6 gpm / 12:12 fell to 1.5 gpm / adj ↓ to 1.7 gpm @ 12:14 adj. ↓ to 1.45 gpm @ 12:20 / adj. ↓ to 1.35 @ 12:25 /

sampling @ 12:31

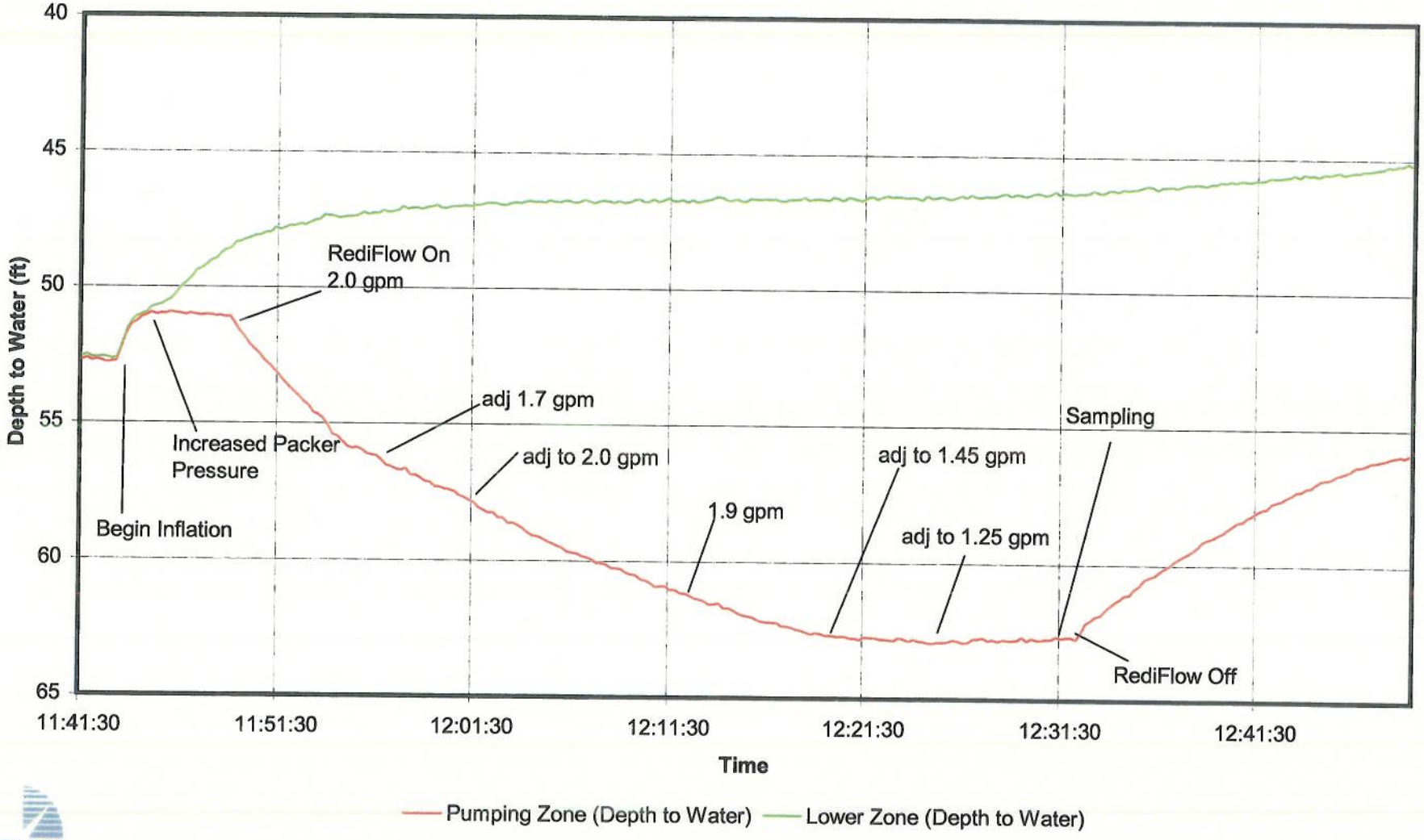
N2 added @ 11:45:50

SUMMARY

MW 09 Zone 1 (SWL-79')

Baldwin Mfg. TCE Site

August 30, 2004



EARTH DATA

Earth Data Northeast, Inc.

Loureiro, Baldwin TCE Site
Well: MW-09
Zone 1 (SWL-79')
Testing Date: 8/30/2004

Data recorded at 15 second intervals

Date	Time	Pumping Zone (Depth to Water)	Lower Zone (Depth to Water)	
8/30/104	11:41:30	52.70	52.56	
8/30/104	11:41:45	52.63	52.51	
8/30/104	11:42:00	52.72	52.60	
8/30/104	11:42:15	52.67	52.60	
8/30/104	11:42:30	52.73	52.57	
8/30/104	11:42:45	52.79	52.60	
8/30/104	11:43:00	52.77	52.66	
8/30/104	11:43:15	52.73	52.60	Begin Inflation
8/30/104	11:43:30	52.22	52.12	
8/30/104	11:43:45	51.73	51.59	
8/30/104	11:44:00	51.38	51.28	
8/30/104	11:44:15	51.30	51.10	
8/30/104	11:44:30	51.13	51.03	
8/30/104	11:44:45	51.06	50.95	
8/30/104	11:45:00	50.96	50.76	
8/30/104	11:45:15	51.02	50.71	
8/30/104	11:45:30	50.99	50.65	
8/30/104	11:45:45	50.99	50.55	Increase Packer Pressure
8/30/104	11:46:00	50.93	50.45	
8/30/104	11:46:15	50.97	50.23	
8/30/104	11:46:30	50.99	49.99	
8/30/104	11:46:45	51.03	49.85	
8/30/104	11:47:00	50.98	49.66	
8/30/104	11:47:15	51.01	49.41	
8/30/104	11:47:30	51.04	49.33	
8/30/104	11:47:45	51.03	49.21	
8/30/104	11:48:00	51.03	49.04	
8/30/104	11:48:15	51.08	48.98	
8/30/104	11:48:30	51.06	48.78	
8/30/104	11:48:45	51.10	48.66	
8/30/104	11:49:00	51.09	48.60	
8/30/104	11:49:15	51.36	48.38	Pump On
8/30/104	11:49:30	51.65	48.34	
8/30/104	11:49:45	51.87	48.27	
8/30/104	11:50:00	52.12	48.20	
8/30/104	11:50:15	52.29	48.12	
8/30/104	11:50:30	52.46	48.11	
8/30/104	11:50:45	52.70	48.01	
8/30/104	11:51:00	52.85	48.01	
8/30/104	11:51:15	53.04	47.82	
8/30/104	11:51:30	53.24	47.90	

8/30/104	11:51:45	53.45	47.83
8/30/104	11:52:00	53.65	47.76
8/30/104	11:52:15	53.81	47.77
8/30/104	11:52:30	54.00	47.68
8/30/104	11:52:45	54.19	47.74
8/30/104	11:53:00	54.34	47.64
8/30/104	11:53:15	54.59	47.55
8/30/104	11:53:30	54.69	47.52
8/30/104	11:53:45	54.83	47.35
8/30/104	11:54:00	55.07	47.37
8/30/104	11:54:15	55.40	47.40
8/30/104	11:54:30	55.47	47.46
8/30/104	11:54:45	55.64	47.43
8/30/104	11:55:00	55.84	47.40
8/30/104	11:55:15	55.91	47.40
8/30/104	11:55:30	55.87	47.36
8/30/104	11:55:45	55.96	47.24
8/30/104	11:56:00	56.10	47.32
8/30/104	11:56:15	56.16	47.27
8/30/104	11:56:30	56.18	47.29
8/30/104	11:56:45	56.34	47.18
8/30/104	11:57:00	56.52	47.23
8/30/104	11:57:15	56.58	47.22
8/30/104	11:57:30	56.66	47.17
8/30/104	11:57:45	56.69	47.02
8/30/104	11:58:00	56.64	47.12
8/30/104	11:58:15	56.87	47.07
8/30/104	11:58:30	56.87	47.07
8/30/104	11:58:45	56.98	47.12
8/30/104	11:59:00	57.10	47.06
8/30/104	11:59:15	57.13	47.03
8/30/104	11:59:30	57.29	46.98
8/30/104	11:59:45	57.31	47.07
8/30/104	12:00:00	57.38	47.08
8/30/104	12:00:15	57.41	47.02
8/30/104	12:00:30	57.48	47.02
8/30/104	12:00:45	57.62	46.99
8/30/104	12:01:00	57.69	46.98
8/30/104	12:01:15	57.78	47.02
8/30/104	12:01:30	57.88	46.96
8/30/104	12:01:45	58.06	46.95
8/30/104	12:02:00	58.16	46.89
8/30/104	12:02:15	58.25	46.88
8/30/104	12:02:30	58.23	46.88
8/30/104	12:02:45	58.42	46.94
8/30/104	12:03:00	58.43	46.95
8/30/104	12:03:15	58.63	46.88
8/30/104	12:03:30	58.61	46.85
8/30/104	12:03:45	58.71	46.88
8/30/104	12:04:00	58.82	46.82
8/30/104	12:04:15	58.97	46.80
8/30/104	12:04:30	59.08	46.83

8/30/104	12:04:45	59.11	46.82
8/30/104	12:05:00	59.18	46.85
8/30/104	12:05:15	59.29	46.76
8/30/104	12:05:30	59.37	46.83
8/30/104	12:05:45	59.46	46.84
8/30/104	12:06:00	59.53	46.78
8/30/104	12:06:15	59.66	46.78
8/30/104	12:06:30	59.71	46.86
8/30/104	12:06:45	59.73	46.82
8/30/104	12:07:00	59.83	46.74
8/30/104	12:07:15	59.88	46.81
8/30/104	12:07:30	59.96	46.86
8/30/104	12:07:45	60.07	46.80
8/30/104	12:08:00	60.09	46.76
8/30/104	12:08:15	60.13	46.79
8/30/104	12:08:30	60.25	46.84
8/30/104	12:08:45	60.27	46.78
8/30/104	12:09:00	60.29	46.84
8/30/104	12:09:15	60.43	46.83
8/30/104	12:09:30	60.48	46.75
8/30/104	12:09:45	60.51	46.70
8/30/104	12:10:00	60.66	46.79
8/30/104	12:10:15	60.70	46.80
8/30/104	12:10:30	60.80	46.70
8/30/104	12:10:45	60.94	46.80
8/30/104	12:11:00	60.91	46.74
8/30/104	12:11:15	60.91	46.65
8/30/104	12:11:30	61.04	46.76
8/30/104	12:11:45	61.04	46.77
8/30/104	12:12:00	61.16	46.72
8/30/104	12:12:15	61.18	46.80
8/30/104	12:12:30	61.26	46.72
8/30/104	12:12:45	61.36	46.81
8/30/104	12:13:00	61.40	46.76
8/30/104	12:13:15	61.45	46.73
8/30/104	12:13:30	61.58	46.69
8/30/104	12:13:45	61.56	46.60
8/30/104	12:14:00	61.54	46.63
8/30/104	12:14:15	61.73	46.72
8/30/104	12:14:30	61.71	46.75
8/30/104	12:14:45	61.80	46.67
8/30/104	12:15:00	61.90	46.76
8/30/104	12:15:15	61.96	46.76
8/30/104	12:15:30	62.01	46.66
8/30/104	12:15:45	62.04	46.68
8/30/104	12:16:00	62.14	46.69
8/30/104	12:16:15	62.21	46.67
8/30/104	12:16:30	62.22	46.69
8/30/104	12:16:45	62.24	46.67
8/30/104	12:17:00	62.23	46.74
8/30/104	12:17:15	62.36	46.74
8/30/104	12:17:30	62.37	46.68

8/30/104	12:17:45	62.41	46.69
8/30/104	12:18:00	62.49	46.68
8/30/104	12:18:15	62.51	46.61
8/30/104	12:18:30	62.58	46.71
8/30/104	12:18:45	62.65	46.67
8/30/104	12:19:00	62.60	46.66
8/30/104	12:19:15	62.63	46.68
8/30/104	12:19:30	62.71	46.71
8/30/104	12:19:45	62.68	46.58
8/30/104	12:20:00	62.72	46.63
8/30/104	12:20:15	62.73	46.70
8/30/104	12:20:30	62.73	46.58
8/30/104	12:20:45	62.78	46.61
8/30/104	12:21:00	62.80	46.67
8/30/104	12:21:15	62.84	46.70
8/30/104	12:21:30	62.75	46.58
8/30/104	12:21:45	62.77	46.54
8/30/104	12:22:00	62.76	46.64
8/30/104	12:22:15	62.81	46.57
8/30/104	12:22:30	62.82	46.52
8/30/104	12:22:45	62.83	46.55
8/30/104	12:23:00	62.87	46.55
8/30/104	12:23:15	62.74	46.55
8/30/104	12:23:30	62.80	46.58
8/30/104	12:23:45	62.88	46.57
8/30/104	12:24:00	62.81	46.58
8/30/104	12:24:15	62.87	46.66
8/30/104	12:24:30	62.89	46.49
8/30/104	12:24:45	62.94	46.60
8/30/104	12:25:00	62.93	46.58
8/30/104	12:25:15	62.91	46.53
8/30/104	12:25:30	62.92	46.59
8/30/104	12:25:45	62.88	46.62
8/30/104	12:26:00	62.82	46.55
8/30/104	12:26:15	62.86	46.48
8/30/104	12:26:30	62.93	46.55
8/30/104	12:26:45	62.91	46.45
8/30/104	12:27:00	62.78	46.53
8/30/104	12:27:15	62.77	46.54
8/30/104	12:27:30	62.74	46.50
8/30/104	12:27:45	62.84	46.51
8/30/104	12:28:00	62.80	46.49
8/30/104	12:28:15	62.86	46.43
8/30/104	12:28:30	62.80	46.38
8/30/104	12:28:45	62.82	46.48
8/30/104	12:29:00	62.82	46.42
8/30/104	12:29:15	62.81	46.43
8/30/104	12:29:30	62.69	46.50
8/30/104	12:29:45	62.84	46.44
8/30/104	12:30:00	62.74	46.38
8/30/104	12:30:15	62.81	46.38
8/30/104	12:30:30	62.80	46.45

8/30/104	12:30:45	62.77	46.41	
8/30/104	12:31:00	62.78	46.30	
8/30/104	12:31:15	62.68	46.42	
8/30/104	12:31:30	62.73	46.35	
8/30/104	12:31:45	62.69	46.38	
8/30/104	12:32:00	62.69	46.41	
8/30/104	12:32:15	62.78	46.37	
8/30/104	12:32:30	62.53	46.38	Pump Off
8/30/104	12:32:45	62.18	46.35	
8/30/104	12:33:00	62.07	46.26	
8/30/104	12:33:15	61.92	46.34	
8/30/104	12:33:30	61.87	46.36	
8/30/104	12:33:45	61.69	46.26	
8/30/104	12:34:00	61.53	46.25	
8/30/104	12:34:15	61.38	46.29	
8/30/104	12:34:30	61.28	46.21	
8/30/104	12:34:45	61.13	46.23	
8/30/104	12:35:00	61.11	46.21	
8/30/104	12:35:15	60.88	46.19	
8/30/104	12:35:30	60.76	46.12	
8/30/104	12:35:45	60.53	46.06	
8/30/104	12:36:00	60.45	46.11	
8/30/104	12:36:15	60.39	46.21	
8/30/104	12:36:30	60.26	46.11	
8/30/104	12:36:45	60.12	46.10	
8/30/104	12:37:00	60.04	46.08	
8/30/104	12:37:15	59.87	46.13	
8/30/104	12:37:30	59.76	46.06	
8/30/104	12:37:45	59.66	46.00	
8/30/104	12:38:00	59.56	46.03	
8/30/104	12:38:15	59.45	45.98	
8/30/104	12:38:30	59.30	46.01	
8/30/104	12:38:45	59.10	46.04	
8/30/104	12:39:00	59.04	45.97	
8/30/104	12:39:15	58.98	45.97	
8/30/104	12:39:30	58.87	45.90	
8/30/104	12:39:45	58.80	45.92	
8/30/104	12:40:00	58.66	45.87	
8/30/104	12:40:15	58.53	45.91	
8/30/104	12:40:30	58.40	45.83	
8/30/104	12:40:45	58.38	45.86	
8/30/104	12:41:00	58.23	45.88	
8/30/104	12:41:15	58.14	45.82	
8/30/104	12:41:30	58.00	45.83	
8/30/104	12:41:45	57.93	45.81	
8/30/104	12:42:00	57.89	45.73	
8/30/104	12:42:15	57.70	45.73	
8/30/104	12:42:30	57.64	45.74	
8/30/104	12:42:45	57.59	45.71	
8/30/104	12:43:00	57.47	45.69	
8/30/104	12:43:15	57.39	45.62	
8/30/104	12:43:30	57.27	45.70	

8/30/104	12:43:45	57.24	45.58
8/30/104	12:44:00	57.13	45.62
8/30/104	12:44:15	57.10	45.61
8/30/104	12:44:30	56.95	45.66
8/30/104	12:44:45	56.83	45.57
8/30/104	12:45:00	56.81	45.60
8/30/104	12:45:15	56.78	45.55
8/30/104	12:45:30	56.67	45.49
8/30/104	12:45:45	56.62	45.59
8/30/104	12:46:00	56.56	45.54
8/30/104	12:46:15	56.47	45.49
8/30/104	12:46:30	56.33	45.51
8/30/104	12:46:45	56.32	45.44
8/30/104	12:47:00	56.27	45.44
8/30/104	12:47:15	56.17	45.42
8/30/104	12:47:30	56.16	45.39
8/30/104	12:47:45	56.11	45.36
8/30/104	12:48:00	56.07	45.26
8/30/104	12:48:15	56.00	45.31
8/30/104	12:48:30	55.96	45.24
8/30/104	12:48:45	55.93	45.24
8/30/104	12:49:00	55.96	45.14
8/30/104	12:49:15	55.89	45.24

EARTH DATA
NORTHEAST, INC.

PACKER TESTING FIELD INFORMATION

WELL: MW-09 ZONE: 2 DATE: 6/30/04
PROJECT: Baldwin Reading CLIENT: Cameron
PERSONNEL: DR, GS W.O.#: E50287

SETTING DEPTHS

Point A:	75.9
Upper Packer - Top:	79
Upper Packer - Bottom:	84
Pump Intake	95.5
Lower Packer - Top:	—
Lower Packer - Bottom:	—
Assembly Bottom:	97.8

PACKER INFLATION

TOP	BOTTOM
78	—

DATA COLLECTION CALIBRATION

Configuration Filename: MW09zn2
ASC Filename: mw09zn2

Current V = static water level (ft)
Open Air V = transducer depth (ft)

CHANNEL 1	CHANNEL 2	CHANNEL 3
-0.500 V = 52.56	-0.546 V = 52.56	— V = —
-0.473 V = 78.2	-0.437 V = 82.6	— V = —

Additional Calibration Notes:

TEST SEQUENCE

Begin Logging	13 05 56
Start Inflation	—
Begin Pumping	13 [illegible] 05
End Pumping	13 41 36
Totalizer Prior	0.0
Totalizer Post	48.7
End Logging	14:05:10

HYDRAULIC HEAD DISTRIBUTION (ft)

Open Hole Static Water Level: 52.56

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	55.01	—	55.01	55.14	55.01
2	44.10	—	45.27	97.55	55.71
3					
4					

Miscellaneous Notes: packer already inflated at log start

PUMPING RECORD

Pumping Zone:	84-TD
Pumping Rate:	1.4
Pumping Duration:	32:31
Maximum Drawdown:	47.28
Specific Capacity:	0.03
Nature of Discharge:	Tank
Time of Recovery:	23:34

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start -		
Peak		
Recovery		

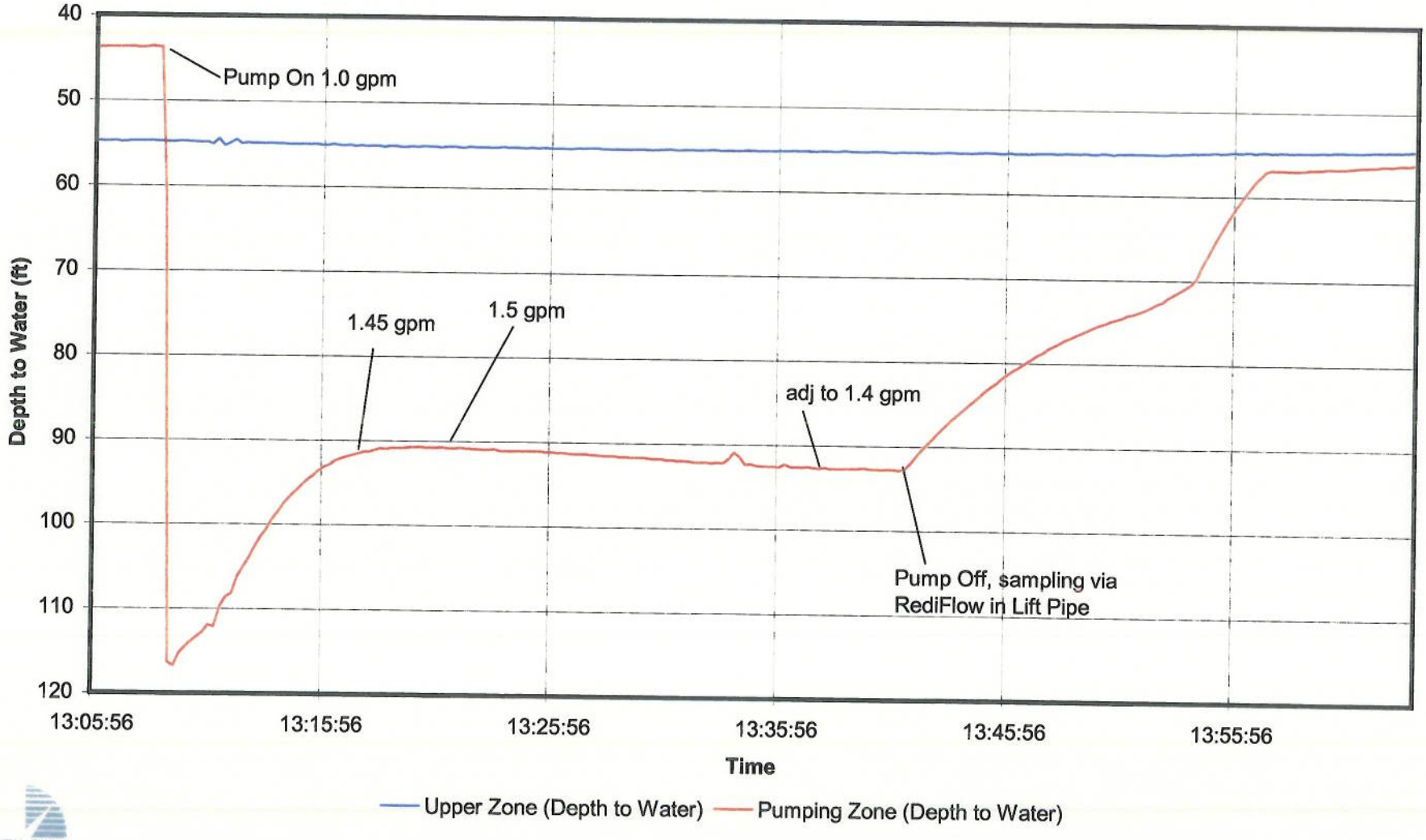
RATE ADJUSTMENTS initial rate - 1.0 gpm / 1.45 gpm @ 13:17 / 1.5 gpm @ 13:21 / adj. ↓ to 1.4 @ 13:38 /

SUMMARY

MW - 09 Zone 2 (84'-TD)

Baldwin Mfg. TCE Site

August 30, 2004



EARTH DATA

Earth Data Northeast, Inc.

Loureiro, Baldwin TCE Site
Well: MW-09
Zone 2 (84'-TD)
Testing Date: 8/30/2004

Data recorded at 15 second intervals

Date	Time	Upper Zone (Depth to Water)	Pumping Zone (Depth to Water)	
8/30/104	13:05:56	54.89	43.82	
8/30/104	13:06:11	54.92	43.80	
8/30/104	13:06:26	54.93	43.75	
8/30/104	13:06:41	54.87	43.77	
8/30/104	13:06:56	54.97	43.76	
8/30/104	13:07:11	54.93	43.71	
8/30/104	13:07:26	54.86	43.73	
8/30/104	13:07:41	54.85	43.83	
8/30/104	13:07:56	54.88	43.79	
8/30/104	13:08:11	54.86	43.69	
8/30/104	13:08:26	54.88	43.72	
8/30/104	13:08:41	54.88	43.74	
8/30/104	13:08:56	54.90	61.51	Pump On
8/30/104	13:09:11	54.94	116.36	
8/30/104	13:09:26	54.88	116.78	
8/30/104	13:09:41	54.86	115.29	
8/30/104	13:09:56	54.93	114.53	
8/30/104	13:10:11	54.93	113.89	
8/30/104	13:10:26	54.98	113.33	
8/30/104	13:10:41	54.94	112.83	
8/30/104	13:10:56	55.19	111.95	
8/30/104	13:11:11	54.59	112.16	
8/30/104	13:11:26	55.39	109.76	
8/30/104	13:11:41	55.03	108.62	
8/30/104	13:11:56	54.68	108.20	
8/30/104	13:12:11	55.12	106.22	
8/30/104	13:12:26	55.00	105.13	
8/30/104	13:12:41	55.07	104.03	
8/30/104	13:12:56	55.03	102.71	
8/30/104	13:13:11	55.10	101.54	
8/30/104	13:13:26	55.03	100.66	
8/30/104	13:13:41	55.07	99.46	
8/30/104	13:13:56	55.06	98.59	
8/30/104	13:14:11	55.12	97.57	
8/30/104	13:14:26	55.13	96.80	
8/30/104	13:14:41	55.16	96.11	
8/30/104	13:14:56	55.12	95.40	
8/30/104	13:15:11	55.17	94.75	
8/30/104	13:15:26	55.12	94.28	
8/30/104	13:15:41	55.21	93.67	
8/30/104	13:15:56	55.21	93.15	

8/30/104	13:16:11	55.11	92.90
8/30/104	13:16:26	55.19	92.43
8/30/104	13:16:41	55.24	92.17
8/30/104	13:16:56	55.19	91.96
8/30/104	13:17:11	55.29	91.79
8/30/104	13:17:26	55.21	91.59
8/30/104	13:17:41	55.28	91.38
8/30/104	13:17:56	55.23	91.35
8/30/104	13:18:11	55.27	91.14
8/30/104	13:18:26	55.34	90.95
8/30/104	13:18:41	55.24	91.02
8/30/104	13:18:56	55.22	90.85
8/30/104	13:19:11	55.31	90.86
8/30/104	13:19:26	55.31	90.84
8/30/104	13:19:41	55.25	90.77
8/30/104	13:19:56	55.32	90.75
8/30/104	13:20:11	55.23	90.70
8/30/104	13:20:26	55.26	90.80
8/30/104	13:20:41	55.25	90.77
8/30/104	13:20:56	55.34	90.79
8/30/104	13:21:11	55.30	90.74
8/30/104	13:21:26	55.26	90.84
8/30/104	13:21:41	55.29	90.88
8/30/104	13:21:56	55.38	90.76
8/30/104	13:22:11	55.27	90.88
8/30/104	13:22:26	55.29	90.92
8/30/104	13:22:41	55.30	90.95
8/30/104	13:22:56	55.30	91.01
8/30/104	13:23:11	55.33	90.96
8/30/104	13:23:26	55.31	90.92
8/30/104	13:23:41	55.24	91.09
8/30/104	13:23:56	55.31	91.09
8/30/104	13:24:11	55.30	91.16
8/30/104	13:24:26	55.33	91.11
8/30/104	13:24:41	55.36	91.11
8/30/104	13:24:56	55.28	91.09
8/30/104	13:25:11	55.35	91.08
8/30/104	13:25:26	55.30	91.09
8/30/104	13:25:41	55.30	91.23
8/30/104	13:25:56	55.34	91.19
8/30/104	13:26:11	55.32	91.31
8/30/104	13:26:26	55.35	91.24
8/30/104	13:26:41	55.35	91.37
8/30/104	13:26:56	55.29	91.40
8/30/104	13:27:11	55.30	91.40
8/30/104	13:27:26	55.30	91.42
8/30/104	13:27:41	55.25	91.49
8/30/104	13:27:56	55.32	91.53
8/30/104	13:28:11	55.32	91.55
8/30/104	13:28:26	55.38	91.59
8/30/104	13:28:41	55.31	91.60
8/30/104	13:28:56	55.36	91.67

8/30/104	13:29:11	55.37	91.64	
8/30/104	13:29:26	55.32	91.75	
8/30/104	13:29:41	55.30	91.70	
8/30/104	13:29:56	55.34	91.72	
8/30/104	13:30:11	55.37	91.80	
8/30/104	13:30:26	55.33	91.87	
8/30/104	13:30:41	55.31	91.82	
8/30/104	13:30:56	55.26	91.96	
8/30/104	13:31:11	55.33	91.95	
8/30/104	13:31:26	55.34	92.04	
8/30/104	13:31:41	55.31	92.03	
8/30/104	13:31:56	55.33	92.07	
8/30/104	13:32:11	55.37	92.21	
8/30/104	13:32:26	55.34	92.21	
8/30/104	13:32:41	55.32	92.17	
8/30/104	13:32:56	55.27	92.26	
8/30/104	13:33:11	55.42	92.21	
8/30/104	13:33:26	55.37	92.28	
8/30/104	13:33:41	55.34	91.77	
8/30/104	13:33:56	55.38	90.97	
8/30/104	13:34:11	55.36	91.49	
8/30/104	13:34:26	55.32	92.39	
8/30/104	13:34:41	55.31	92.33	
8/30/104	13:34:56	55.36	92.51	
8/30/104	13:35:11	55.34	92.56	
8/30/104	13:35:26	55.34	92.60	
8/30/104	13:35:41	55.34	92.59	
8/30/104	13:35:56	55.32	92.68	
8/30/104	13:36:11	55.36	92.29	
8/30/104	13:36:26	55.28	92.64	
8/30/104	13:36:41	55.34	92.63	
8/30/104	13:36:56	55.32	92.67	
8/30/104	13:37:11	55.35	92.61	
8/30/104	13:37:26	55.39	92.69	
8/30/104	13:37:41	55.32	92.79	
8/30/104	13:37:56	55.30	92.66	
8/30/104	13:38:11	55.36	92.81	
8/30/104	13:38:26	55.30	92.78	
8/30/104	13:38:41	55.26	92.78	
8/30/104	13:38:56	55.33	92.76	
8/30/104	13:39:11	55.32	92.77	
8/30/104	13:39:26	55.36	92.76	
8/30/104	13:39:41	55.34	92.71	
8/30/104	13:39:56	55.30	92.81	
8/30/104	13:40:11	55.30	92.81	
8/30/104	13:40:26	55.32	92.84	
8/30/104	13:40:41	55.39	92.79	
8/30/104	13:40:56	55.36	92.81	
8/30/104	13:41:11	55.31	92.90	
8/30/104	13:41:26	55.36	92.81	Pump Off
8/30/104	13:41:41	55.31	92.12	
8/30/104	13:41:56	55.33	91.30	

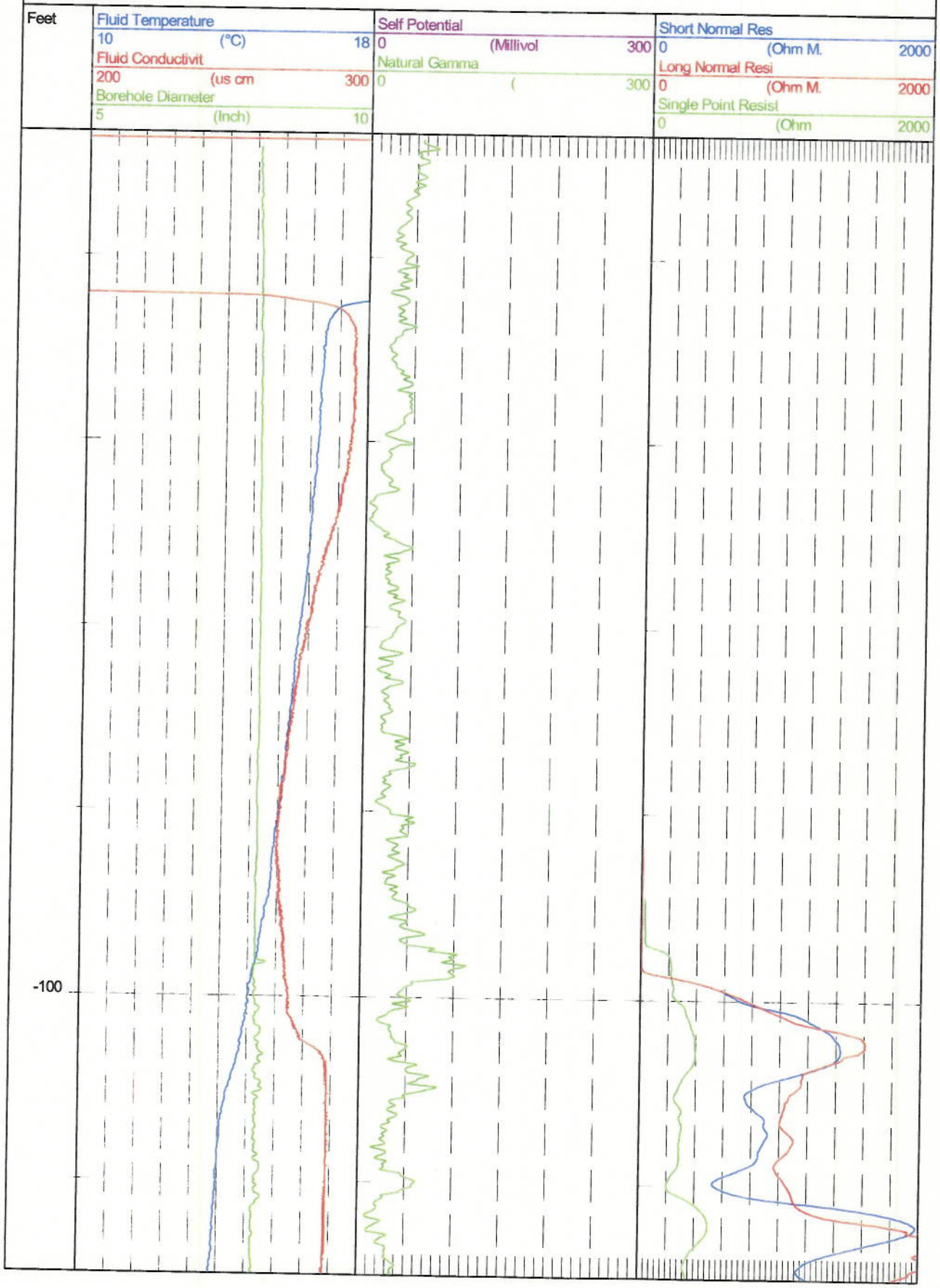
8/30/104	13:42:11	55.36	90.50
8/30/104	13:42:26	55.37	89.78
8/30/104	13:42:41	55.38	89.12
8/30/104	13:42:56	55.33	88.33
8/30/104	13:43:11	55.29	87.67
8/30/104	13:43:26	55.29	87.01
8/30/104	13:43:41	55.33	86.42
8/30/104	13:43:56	55.31	85.81
8/30/104	13:44:11	55.33	85.20
8/30/104	13:44:26	55.31	84.66
8/30/104	13:44:41	55.30	84.06
8/30/104	13:44:56	55.27	83.43
8/30/104	13:45:11	55.27	82.90
8/30/104	13:45:26	55.31	82.42
8/30/104	13:45:41	55.30	81.86
8/30/104	13:45:56	55.24	81.36
8/30/104	13:46:11	55.34	80.93
8/30/104	13:46:26	55.31	80.51
8/30/104	13:46:41	55.35	80.05
8/30/104	13:46:56	55.31	79.64
8/30/104	13:47:11	55.28	79.17
8/30/104	13:47:26	55.26	78.85
8/30/104	13:47:41	55.26	78.35
8/30/104	13:47:56	55.32	77.99
8/30/104	13:48:11	55.30	77.67
8/30/104	13:48:26	55.26	77.29
8/30/104	13:48:41	55.24	77.00
8/30/104	13:48:56	55.30	76.68
8/30/104	13:49:11	55.23	76.40
8/30/104	13:49:26	55.29	76.08
8/30/104	13:49:41	55.30	75.78
8/30/104	13:49:56	55.21	75.50
8/30/104	13:50:11	55.22	75.30
8/30/104	13:50:26	55.34	75.02
8/30/104	13:50:41	55.21	74.82
8/30/104	13:50:56	55.24	74.62
8/30/104	13:51:11	55.18	74.27
8/30/104	13:51:26	55.22	74.15
8/30/104	13:51:41	55.21	73.90
8/30/104	13:51:56	55.22	73.63
8/30/104	13:52:11	55.24	73.32
8/30/104	13:52:26	55.22	72.96
8/30/104	13:52:41	55.26	72.69
8/30/104	13:52:56	55.20	72.18
8/30/104	13:53:11	55.17	71.82
8/30/104	13:53:26	55.18	71.41
8/30/104	13:53:41	55.14	70.97
8/30/104	13:53:56	55.04	70.56
8/30/104	13:54:11	55.08	69.86
8/30/104	13:54:26	55.04	68.39
8/30/104	13:54:41	55.04	67.16
8/30/104	13:54:56	54.97	65.80

8/30/104	13:55:11	55.03	64.60
8/30/104	13:55:26	55.02	63.45
8/30/104	13:55:41	54.91	62.35
8/30/104	13:55:56	54.95	61.31
8/30/104	13:56:11	54.96	60.36
8/30/104	13:56:26	54.87	59.45
8/30/104	13:56:41	54.99	58.57
8/30/104	13:56:56	54.92	57.80
8/30/104	13:57:11	54.90	57.14
8/30/104	13:57:26	54.94	56.91
8/30/104	13:57:41	54.92	56.99
8/30/104	13:57:56	54.90	56.95
8/30/104	13:58:11	54.91	57.02
8/30/104	13:58:26	54.92	56.99
8/30/104	13:58:41	54.90	56.99
8/30/104	13:58:56	54.88	56.93
8/30/104	13:59:11	54.87	56.84
8/30/104	13:59:26	54.88	56.81
8/30/104	13:59:41	54.83	56.81
8/30/104	13:59:56	54.88	56.69
8/30/104	14:00:11	54.78	56.72
8/30/104	14:00:26	54.79	56.72
8/30/104	14:00:41	54.83	56.73
8/30/104	14:00:56	54.81	56.66
8/30/104	14:01:11	54.81	56.57
8/30/104	14:01:26	54.83	56.51
8/30/104	14:01:41	54.78	56.53
8/30/104	14:01:56	54.72	56.49
8/30/104	14:02:11	54.72	56.40
8/30/104	14:02:26	54.72	56.34
8/30/104	14:02:41	54.71	56.40
8/30/104	14:02:56	54.68	56.28
8/30/104	14:03:11	54.71	56.24
8/30/104	14:03:26	54.66	56.24
8/30/104	14:03:41	54.64	56.16

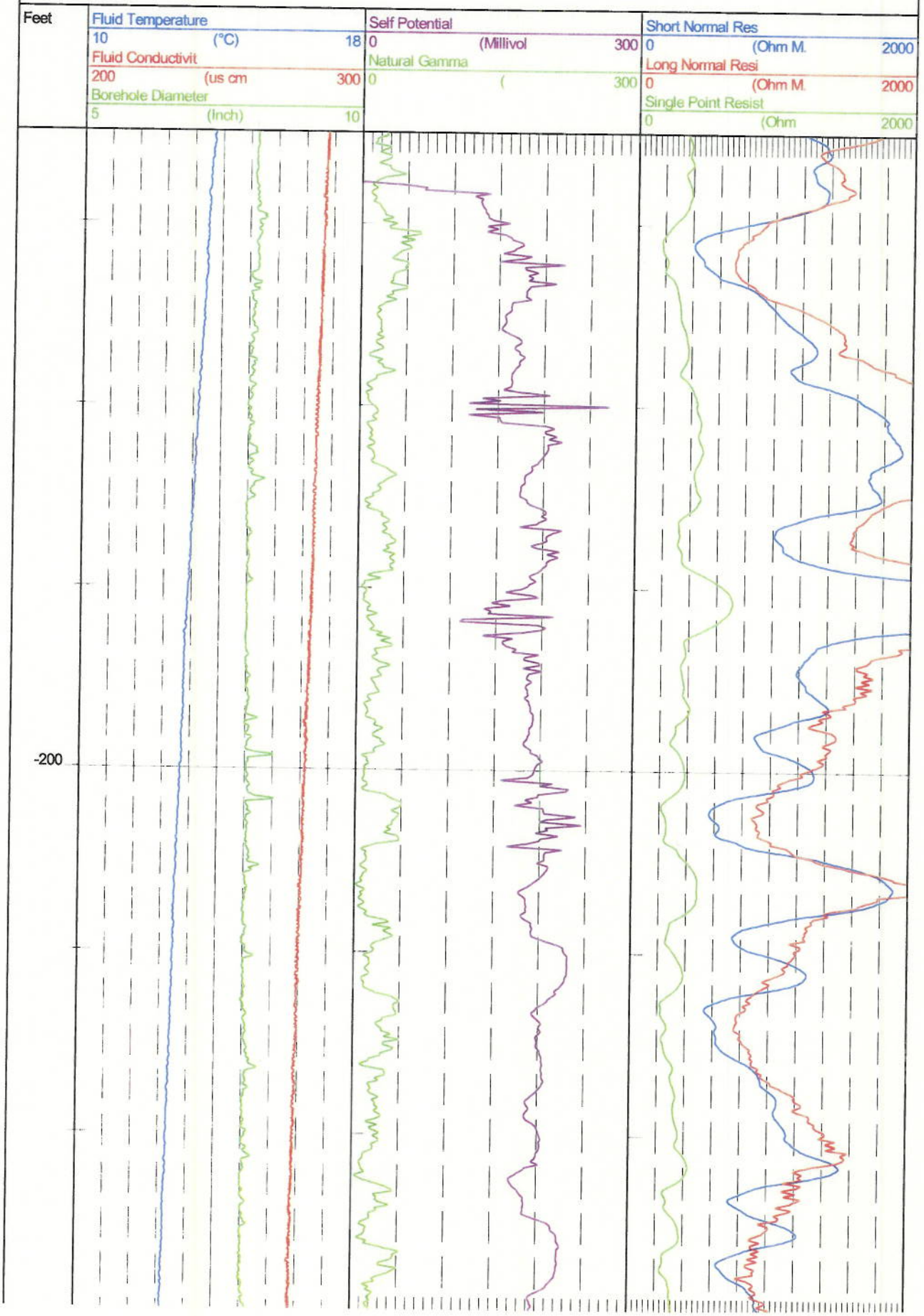
APPENDIX G

PS-3

Well Name: PS-3
Location: LEA- Reading
Reference: toc



Well Name: PS-3
Location: LEA- Reading
Reference: toc



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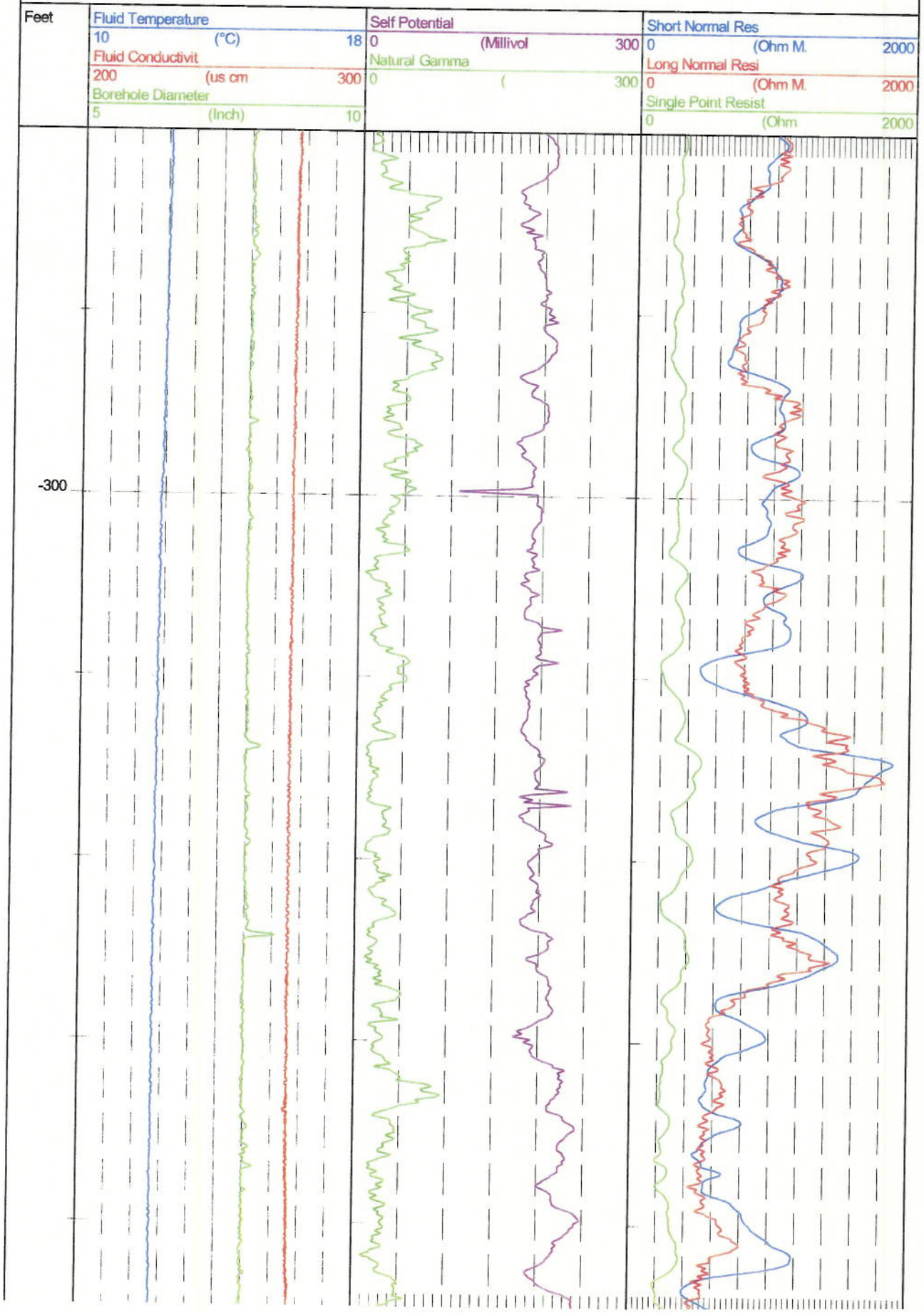
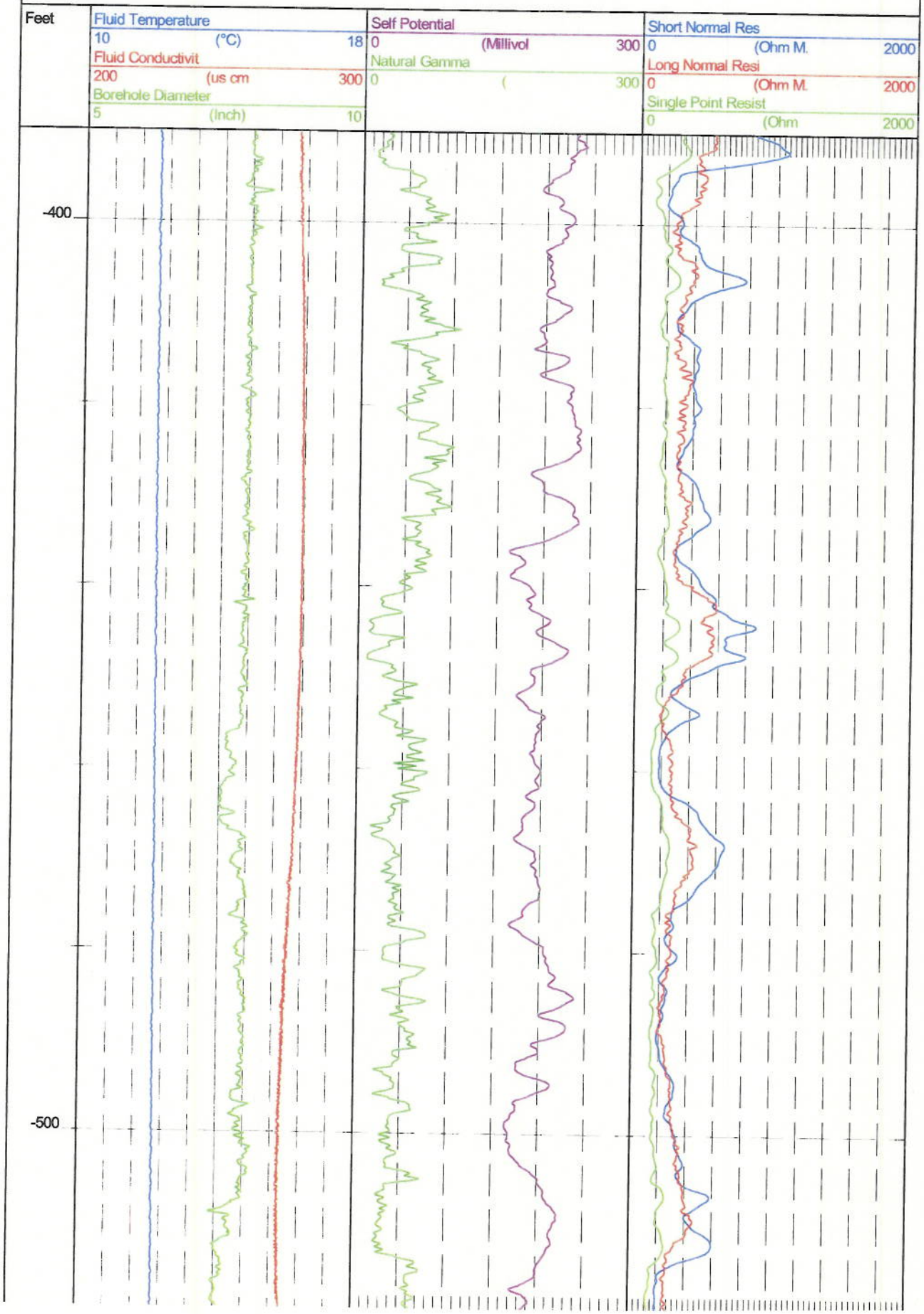
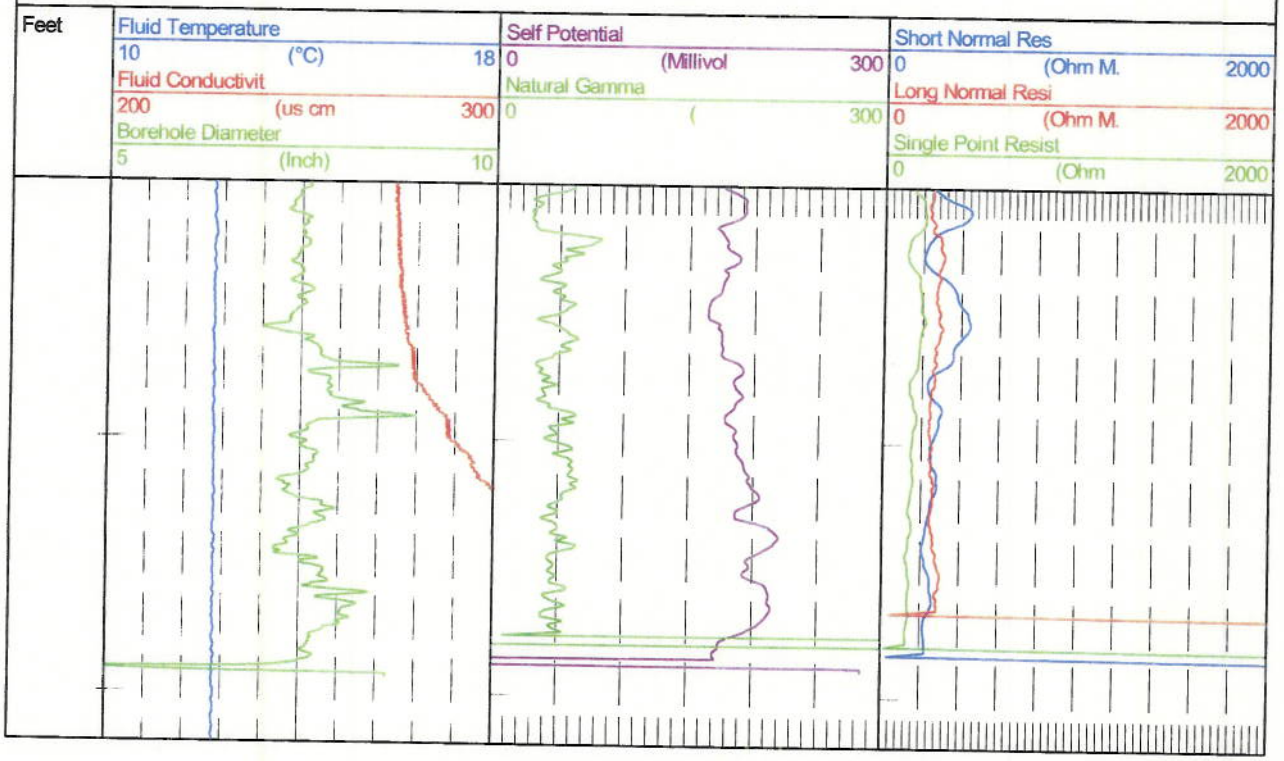
Location: LEA- Reading
Reference: toc



Well Name: PS-3
Location: LEA- Reading
Reference: toc



Well Name: PS-3
Location: LEA- Reading
Reference: toc



EARTH DATA
NORTHEAST, INC.

PAKER TESTING
ADMINISTRATIVE SHEET

WELL: PS-3 zones 1 & 2

PROJECT: Lowrein - Reading - Baldwin

W.O.# 750287

PURPOSE OF TESTING: Hydrologic Properties & Discrete Sampling

HISTORY OF TESTING: -

DESCRIPTION OF MEASURING POINT: Ground Surface

G.S. TO M.P.: -

PRE-TEST OPEN HOLE WATER LEVEL: 25.66'

ELEVATION:

PUMPING EQUIPMENT

PUMP MODEL # Goulds 15E154 & Grundfos 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: 100 FT

BLADDER MATERIAL: Vulcanized Rubber

NITROGEN PRESSURE START: 90 / 150

PSI STOP: -

PSI AMOUNT USED: -

TRANSDUCER AND DATA LOGGER

DATA LOGGER: Pacificbook Datalogger w/ DASYLab 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	130	25.66'	112.37	1.0	0.01	Yes
2	130	230	26.14'	176.80	2.22	0.01	Yes
3							
4							
5							
6							
7							
8							

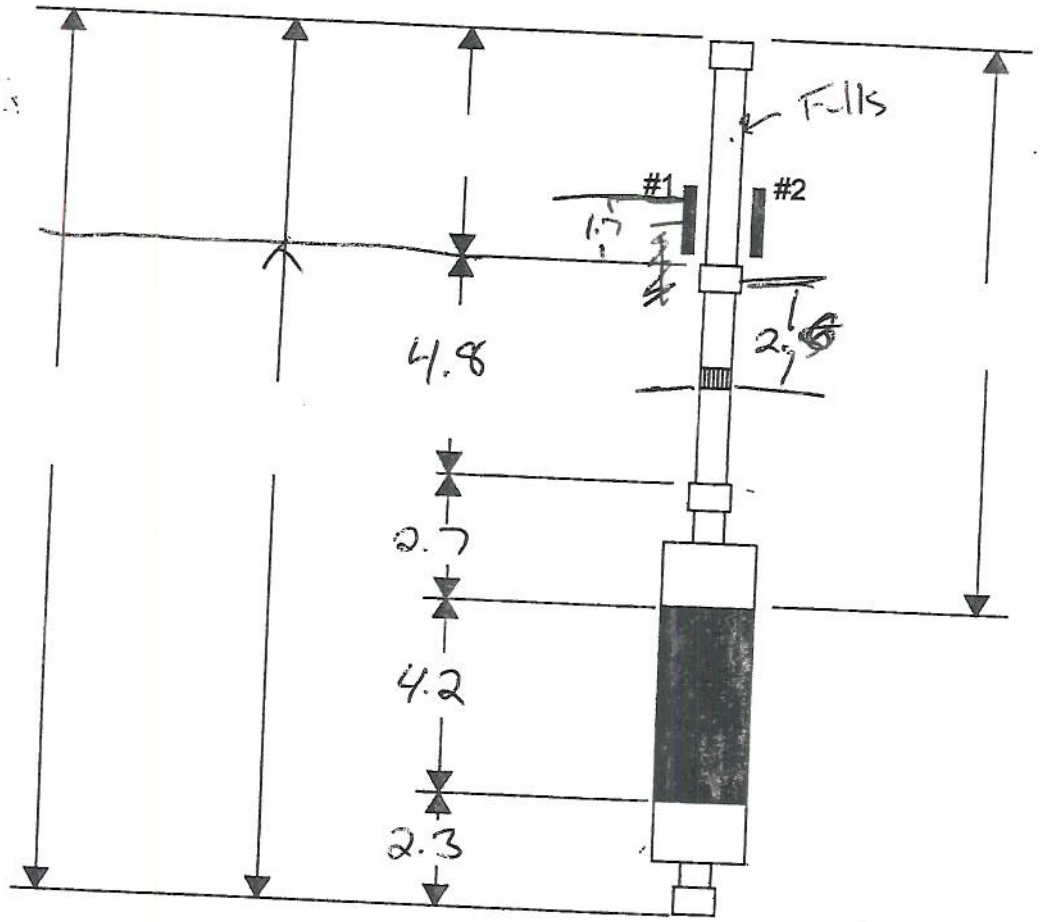
PERSONNEL ON TEST: DP, GS

LIST: Smeal

GENERATOR: Honda KW

SUPPORT VEHICLE: F250 Superduty & F250

SINGLE PACKER DIMENSIONS
(UNINFLATED)



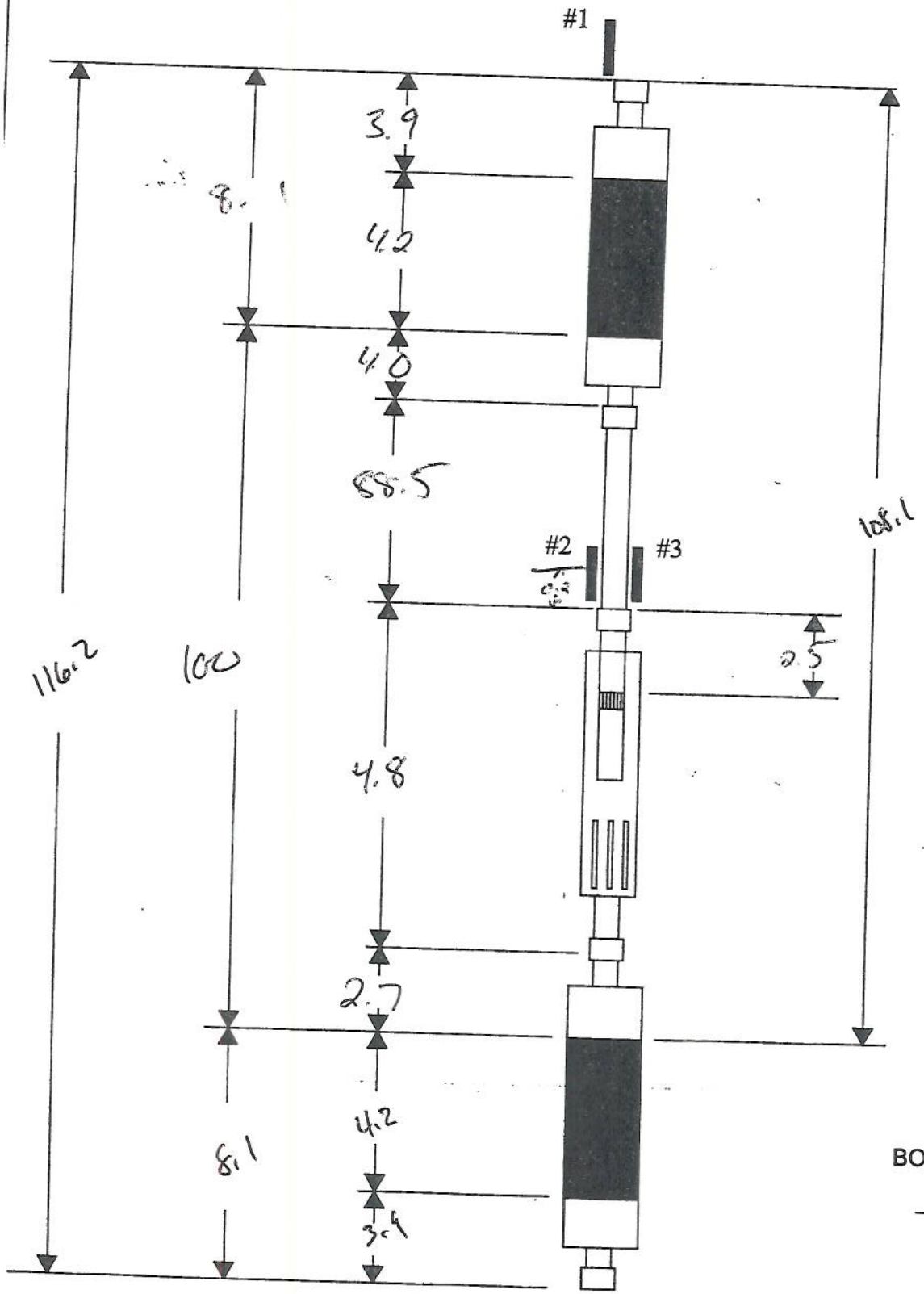
PACKER SERIAL #
5142

TRANSDUCER #1
4264

TRANSDUCER #2
4263

O. # FS0287	WELL # DS-3	DIAMETER OF PACKERS 5.4 in.	EARTH DATA NORTHEAST, INC. EXTON, PA
B NAME Lourero - Dallmann	WELL DEPTH 560 ft	DIAMETER OF PUMP 3.5 in.	
TES FROM 8/18/04 TO 8/19/04	WELL DIAMETER 8 in	DIAMETER OF LIFT PIPE 2 in.	

STRADDLE PACKER DIMENSIONS
(UNINFLATED)



TOP PACKER SERIAL #
5846

TRANSDUCER #1
4264

TRANSDUCER #2
4263

TRANSDUCER #3
4265

BOTTOM PACKER SERIAL #
5142

W. O. # F50087	WELL # B3	DIAMETER OF PACKERS 6.4 in.	EARTH DATA NORTHEAST, INC. EXTON, PA
JOB NAME Loureiro-Reading	WELL DEPTH 560 ft	DIAMETER OF PUMP 3.5 in.	
DATES FROM 8/19/04 TO 8/19/04	WELL DIAMETER 8 in	DIAMETER OF LIFT PIPE 2 in.	

EARTH DATA
NORTHEAST, INC.

PACKER TESTING FIELD INFORMATION

WELL: PS-3 ZONE: 1 DATE: 8/18/04
PROJECT: Baldwin - Recording CLIENT: Loureiro - Baldwin
PERSONNEL: DP GS W.O.#: FS0287

SETTING DEPTHS

Point A:	122.5
Upper Packer - Top:	130
Upper Packer - Bottom:	134.2
Pump Intake	125.1
Lower Packer - Top:	—
Lower Packer - Bottom:	—
Assembly Bottom:	136.3

PACKER INFLATION

TOP	BOTTOM
—	91

TEST SEQUENCE

Begin Logging	11 49 57
Start Inflation	11 53 09
Begin Pumping	12 02 51
End Pumping	13 32 34
Totalizer Prior	0.1
Totalizer Post	309
End Logging	13:54:00

PUMPING RECORD

Pumping Zone:	SWL - 130
Pumping Rate:	1.0gpm
Pumping Duration:	90min
Maximum Drawdown:	87.77
Specific Capacity:	0.0114
Nature of Discharge:	Tank
Time of Recovery:	

DATA COLLECTION CALIBRATION

Configuration Filename: PS3zn1
ASC Filename: PS3zn1

Current V = static water level (ft)
Open Air V = transducer depth (ft)

CHANNEL 1	CHANNEL 2	CHANNEL 3
-0.708 V = 25.66	— V = —	-0.718 V = 25.66
-0.433 V = 120.8	— V = —	-0.425 V = 134.2

Additional Calibration Notes:

HYDRAULIC HEAD DISTRIBUTION (ft)

Open Hole Static Water Level: 25.66

	PRE-INFLATION	POST-INFLATION	PRE-PUMPING	PUMPING LEVEL	RECOVERY
1	25.59	23.83	24.60	112.37	103.65
2	~~25.67~~				
3	25.67	24.91	25.10	27.63	27.70
4					

Miscellaneous Notes:

SLUG TEST SEQUENCE

	TIME	WATER LEVEL (ft)
Start		
Peak		
Recovery		

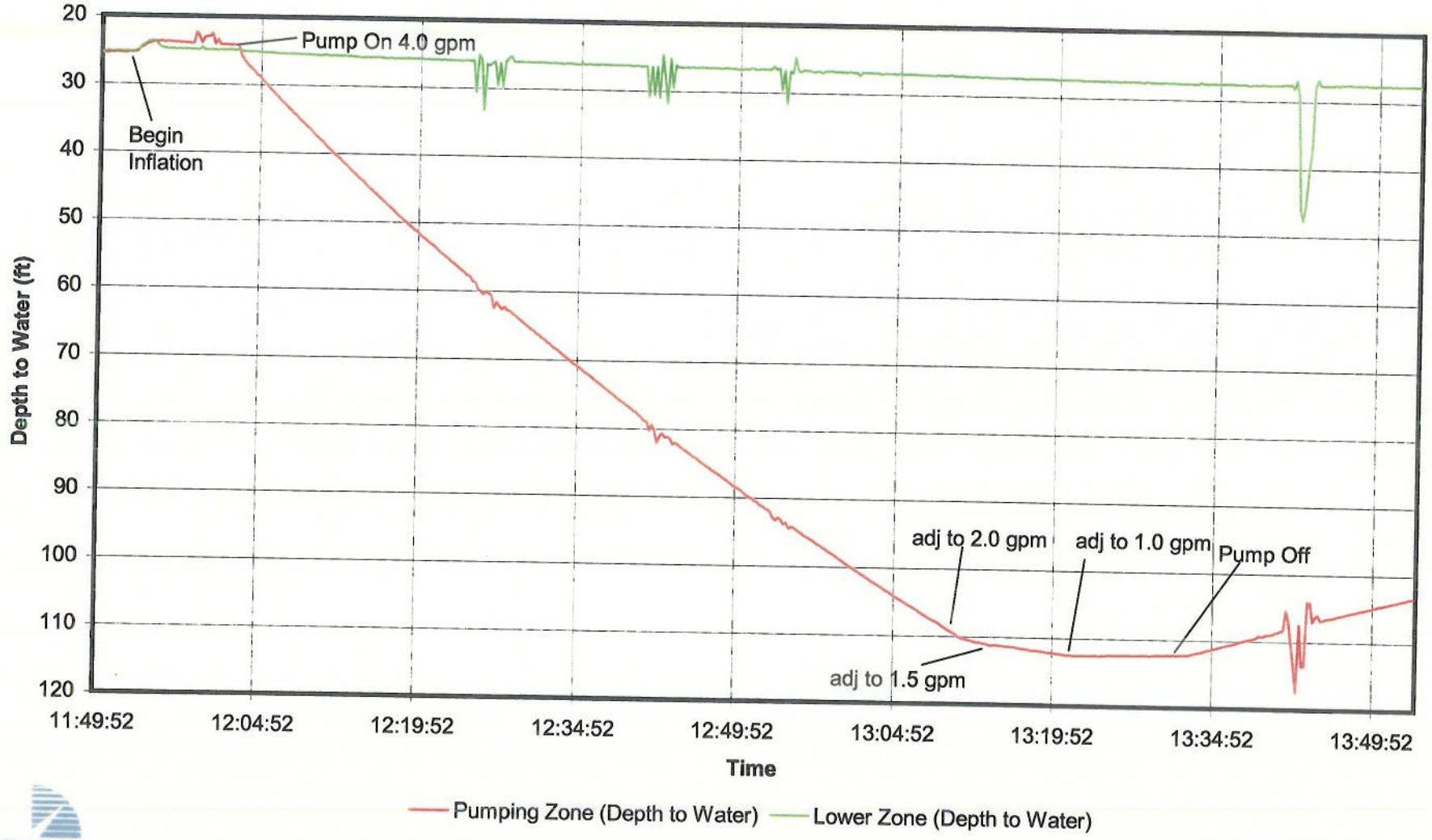
RATE ADJUSTMENTS initial rate - 4.0gpm @ 2.0gpm @ 13:11:45 @ 1.5gpm @ 13:14:00 @ 1.0gpm @ 13:21

SUMMARY

PS 3 Zone 1 (SWL-130')

Baldwin Mfg. TCE Site

August 18, 2004



EARTH DATA