

**FLUID CONDUCTIVITY
TEMPERATURE
LOG**

Company CITY OF MARCO ISLAND
Well IW-2
Field MARCO ISLAND FIELD
County COLLIER State FL

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Well IW-2
Field MARCO ISLAND FIELD
County COLLIER
State FL

Location
Permanent Datum
Log Measured From
Drilling Measured From
Elevation
Other Services
SEE COMMENTS
Elevation
K.B.
D.F.
G.L.

Date 30-AUG-2008
Run Number FIVE
Depth Driller 2600'
Depth Logger 2600'
Bottom Logged Interval 2600'
Top Log Interval CASING
Open Hole Size 12.25"
Type Fluid WATER
Density / Viscosity NA
Max. Recorded Temp. 93 F
Estimated Cement Top NA
Time Well Ready 1900
Time Logger on Bottom 2000
Equipment Number 103
Location FT. MYERS
Recorded By CATHEY
Witnessed By D. LEGGITT

RECEIVED - DEPT.
SEP 04 2008
SOUTH DISTRICT

Borehole Record		Borehole Record	
Run Number	Bit	From	To
ONE	58.5"	CASING	403'
TWO	12.25"	CASING	910'
THREE	46.5"	CASING	903'
FOUR	12.25"	CASING	2600'

Casing Record		Top		Bottom	
Surface String	Size	Wgt/Ft	W.T.	Surface	Bottom
Surface String	48"	375 W.T.	375 W.T.	SURFACE	399'
Prod. String	36"	375 W.T.	375 W.T.	SURFACE	900'
Production String					
Liner					

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

OTHER SERVICES:
X-Y CALIPER GAMMA RAY
BOREHOLE COMPENSATED SONIC
DUAL INDUCTION
FLOWMETER

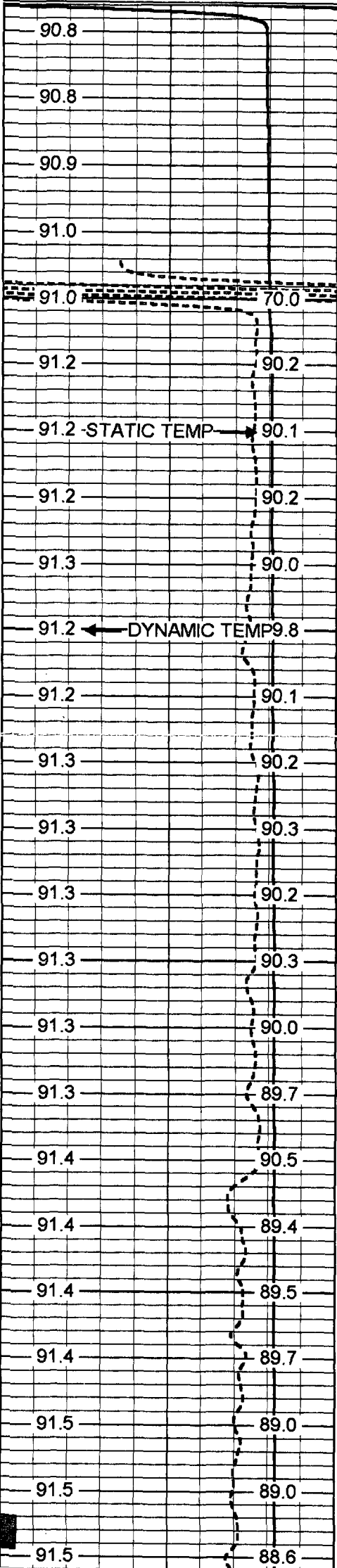
DYNAMIC FLOWRATE = 185 GPM

Entered into
OCULUS
South District

MERGED FCT

75 DYNAMIC TEMP (degF) 95
 75 STATIC TEMP (degF) 95

20 DYNAMIC FLUID CONDUCTIVITY (uS) 200000
 20 STATIC FLUID CONDUCTIVITY (uS) 200000

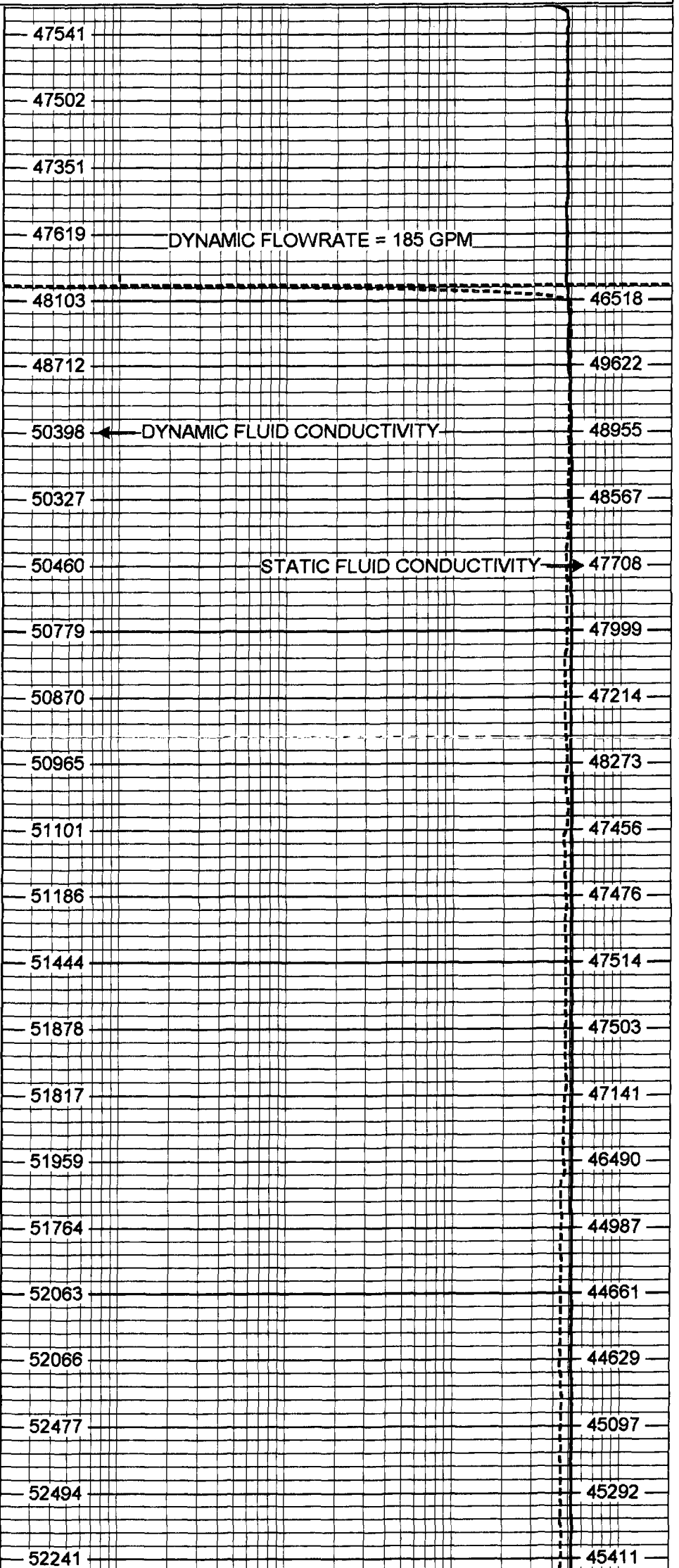


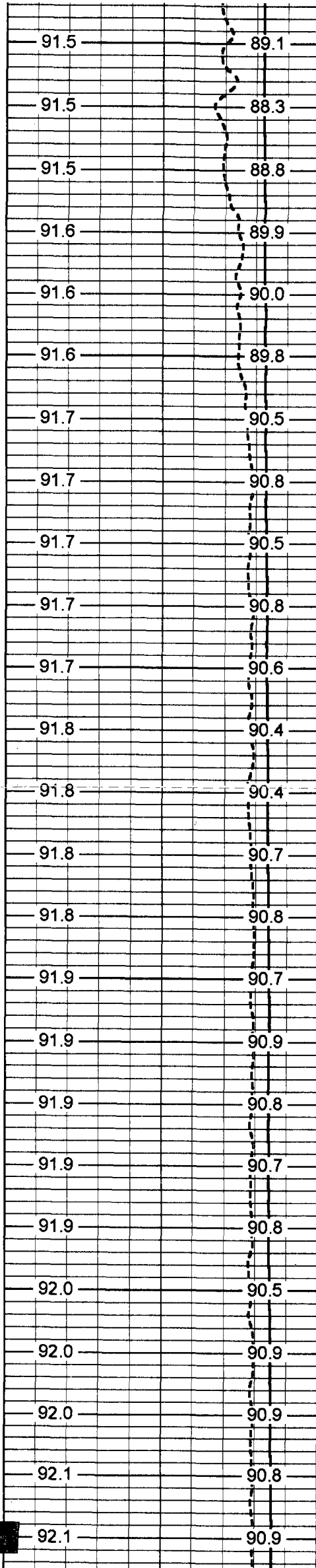
900

950

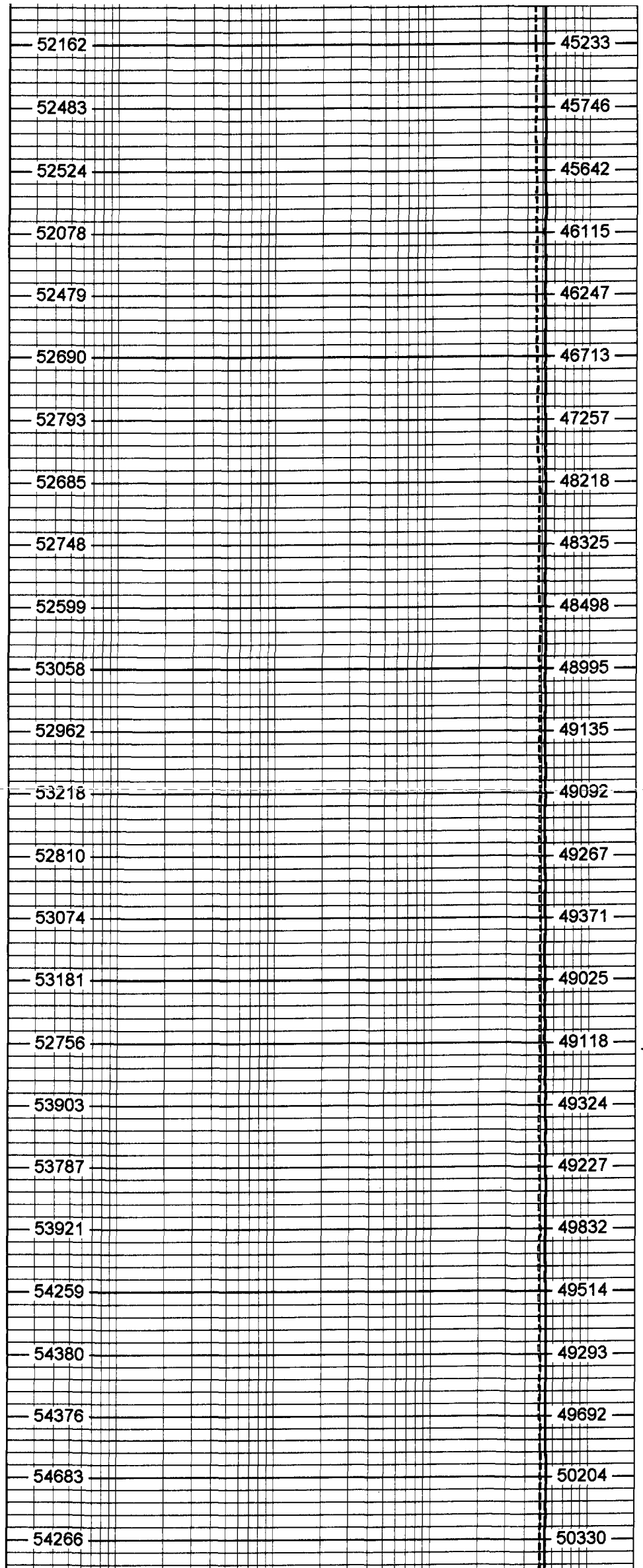
1000

1050





1100
1150
1200
1250
1300



92.1	90.8
92.2	90.9
92.3	90.9
92.2	90.8
92.3	90.9
92.4	90.9
92.5	90.9
92.6	90.9
92.7	90.9
92.7	90.9
92.8	90.9
92.8	90.8
92.9	90.9
92.9	90.9
93.0	90.9
93.0	90.8
93.1	90.9
93.0	90.9
93.1	90.9
93.0	91.0
93.0	91.0
93.1	91.0
93.1	91.0
93.1	91.0
93.2	91.0

1350

1400

1450

1500

1550

54607	50389
54785	50191
54159	50304
54546	50495
54392	50164
54065	50129
53338	50350
53599	50491
53555	50597
51395	50525
51737	50897
51424	50883
51562	50689
51379	50794
51510	51011
51695	50637
51456	50528
51567	51248
51604	51294
51495	51446
51482	51370
51573	51473
51665	51690
51684	51341
51641	51650

93.2	91.0
93.2	91.0
93.2	91.0
93.3	91.0
93.2	91.0
93.3	91.0
93.3	91.0
93.3	91.0
93.3	91.0
93.3	91.0
93.3	91.0
93.3	91.0
93.3	91.0
93.3	91.0
93.2	91.0
93.2	91.0
93.2	91.1
93.2	91.0
93.2	91.0
93.2	91.0
93.2	91.0
93.2	91.0
93.2	91.0
93.2	91.0
93.2	91.0
93.2	91.1
93.2	91.1

1600

1650

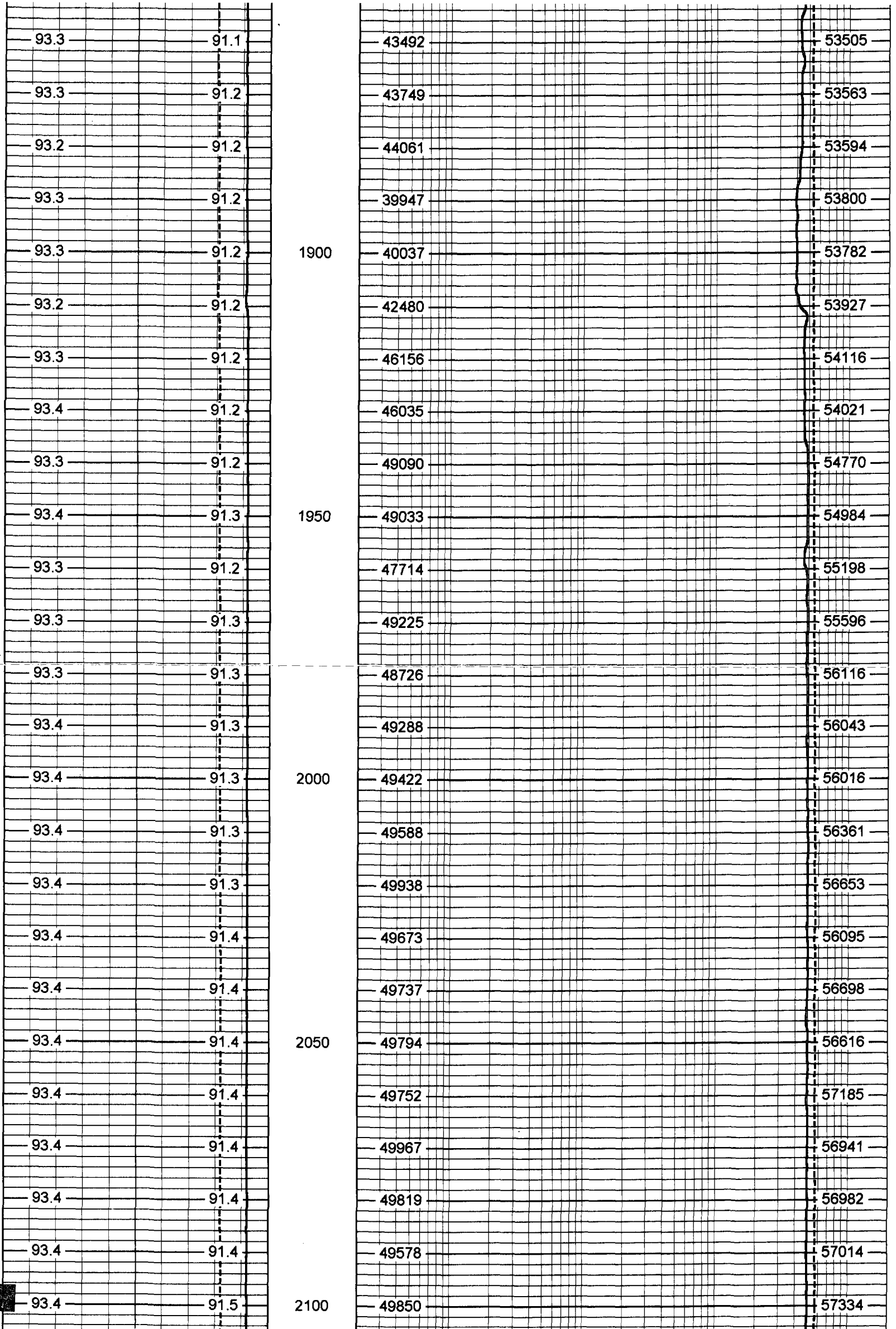
1700

1750

1800

1850

51578	51657
51634	51746
51504	52023
51506	52015
51698	52146
51330	52272
51065	52415
50427	52103
50123	52101
49763	52801
49123	52539
48789	52867
48567	53063
47063	52963
47688	53290
47668	53548
47424	53357
47876	53247
47553	53020
47616	53252
47505	53304
47579	53325
46993	53515
47199	53488
46814	53426
46686	53511



93.4	91.5
93.4	91.5
93.4	91.7
93.4	91.7
93.4	91.7
93.4	91.7
93.4	91.7
93.4	91.7
93.4	91.8
93.4	91.9
93.4	91.9
93.4	91.9
93.4	91.9
93.4	91.9
93.4	91.8
93.4	91.8
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93.4	91.8
93.4	91.9
93.4	91.8
93.4	91.8
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93.4	91.8
93.4	91.8
93.4	91.8

2150

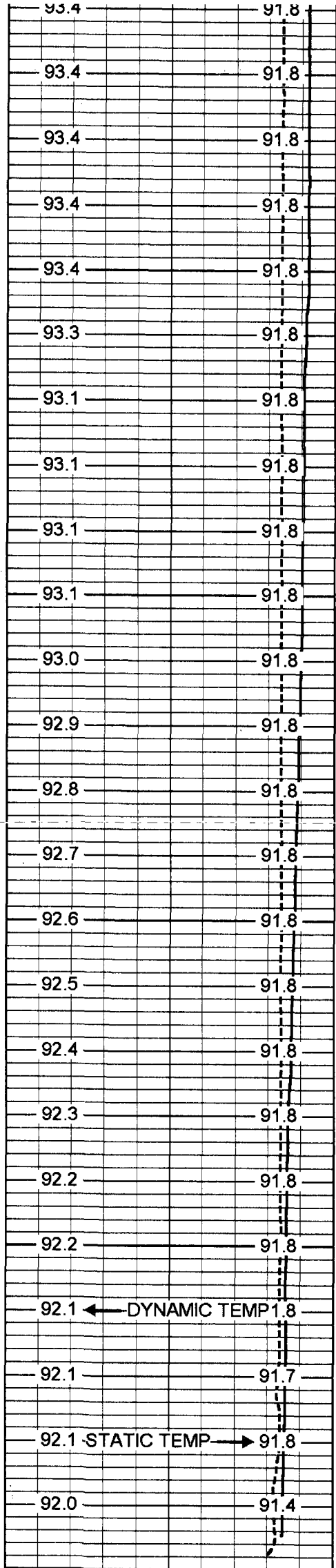
2200

2250

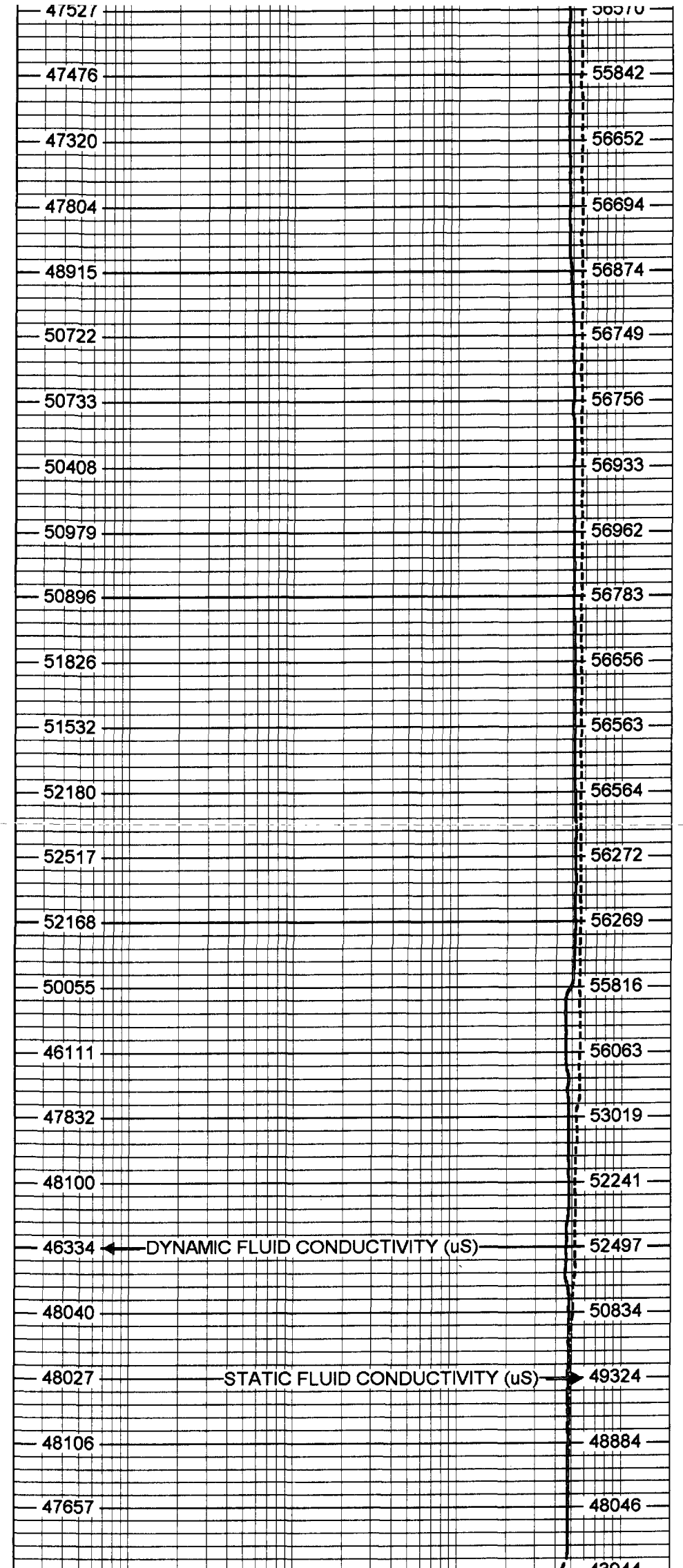
2300

2350

49368	56845
49792	57292
49088	57051
49086	57295
48991	57539
49078	57712
48853	57386
48725	57177
48688	57138
48654	57411
48702	57418
48510	57321
48730	57207
46757	57147
47776	57173
46960	57339
47343	57009
47792	57112
45248	56737
45360	56796
44884	56713
44830	56598
44818	56295
44461	54933
47168	55057



2400
2450
2500
2550
2600



46334 ← DYNAMIC FLUID CONDUCTIVITY (uS)
48040
48027 → STATIC FLUID CONDUCTIVITY (uS)
48106
47657
200000
200000

75 DYNAMIC TEMP (degF) 95
55 STATIC TEMP (degF) 95

20 DYNAMIC FLUID CONDUCTIVITY (uS) 200000
20 STATIC FLUID CONDUCTIVITY (uS) 200000

FRT Calibration Report

Serial Number: 31
 Tool Model: SONDEX
 Performed: Mon Jun 09 10:53:41 2008

Point #	Reading		Reference
1	31.165	cps	1000.000
2	167.193	cps	10000.000
3	415.824	cps	25000.000
4	918.476	cps	50000.000
5		cps	
6		cps	

Temperature Calibration Report

Serial Number: 31
 Tool Model: SONDEX
 Performed: Mon Jun 09 10:53:33 2008

Point #	Reading		Reference	
1	152.99	cps	39	degF
2	330.989	cps	82	degF
3	688.237	cps	157	degF

