



**YOUNGQUIST
BROTHERS, Inc**

GEOPHYSICAL LOGGING DIVISION

**FLUID CONDUCTIVITY
TEMPERATURE
LOGGING**

Company **CH2M HILL**
Well **RO DEEP IW #1**
Field **BONITA SPRINGS W.T.P.**
County **LEE** State **FLORIDA**

Location	Permanant Datum	Elevation	Other Services
	Log Measured From		SEE COMMENTS
	Drilling Measured From		
		K.B.	
		D.F.	
		GL	

Company **CH2M HILL**
Well **RO DEEP IW #1**
Field **BONITA SPRINGS W.T.P**
County **LEE**
State **FLORIDA**

Date	25-OCT-2002
Run Number	THREE
Depth Driller	1800'
Depth Logger	1800'
Bottom Logged Interval	1800'
Top Log Interval	CASING
Open Hole Size	12.25"
Type Fluid	WATER
Density / Viscosity	N/A
Max. Recorded Temp.	90 DEG F
Estimated Cement Top	N/A
Time Well Ready	1130
Time Logger on Bottom	0000
Equipment Number	103 FTM
Location	FT MYERS
Recorded By	DENISON/BARRETT
Witnessed By	M. WEATHERBY

Borehole Record		Borehole Record	
Run Number	Bit	From	To
ONE	12.25"	CASING	500'
TWO	48.5"	CASING	455'
Casing Record	Size	Wgt/Ft	Bottom
Casing Record	50"	.375 W.T.	49'
Casing Record	38"	.375 W.T.	450'
Casing Record	Size	Top	Bottom
Casing Record	50"	SURFACE	49'
Casing Record	38"	SURFACE	450'

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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

DYNAMIC FLOWRATE = 300 GPM

OTHER SERVICES:
X-Y CALIPER/GAMMA RAY
DIL/LL3/SP
FLOWMETER
SONIC
VIDEO

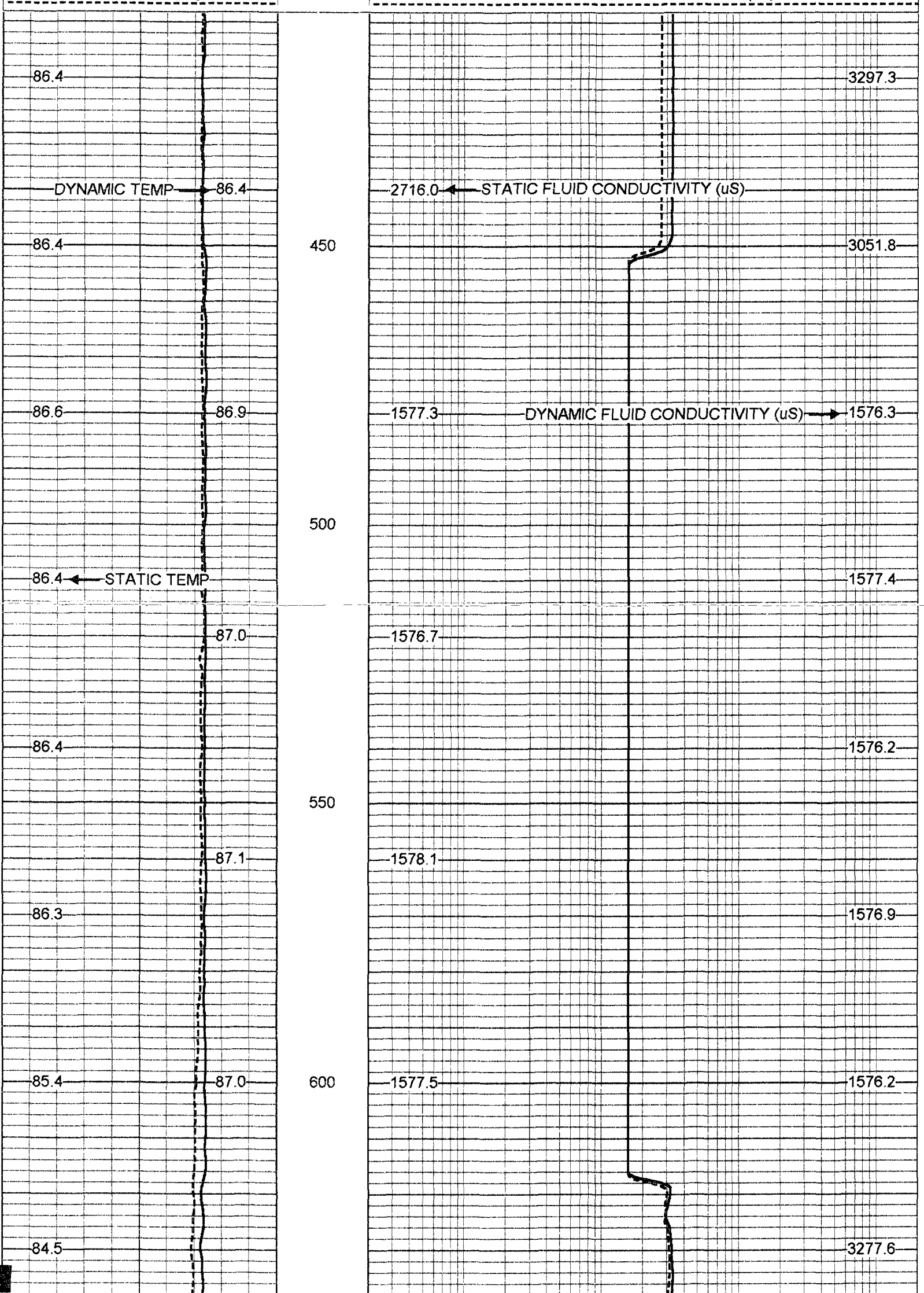


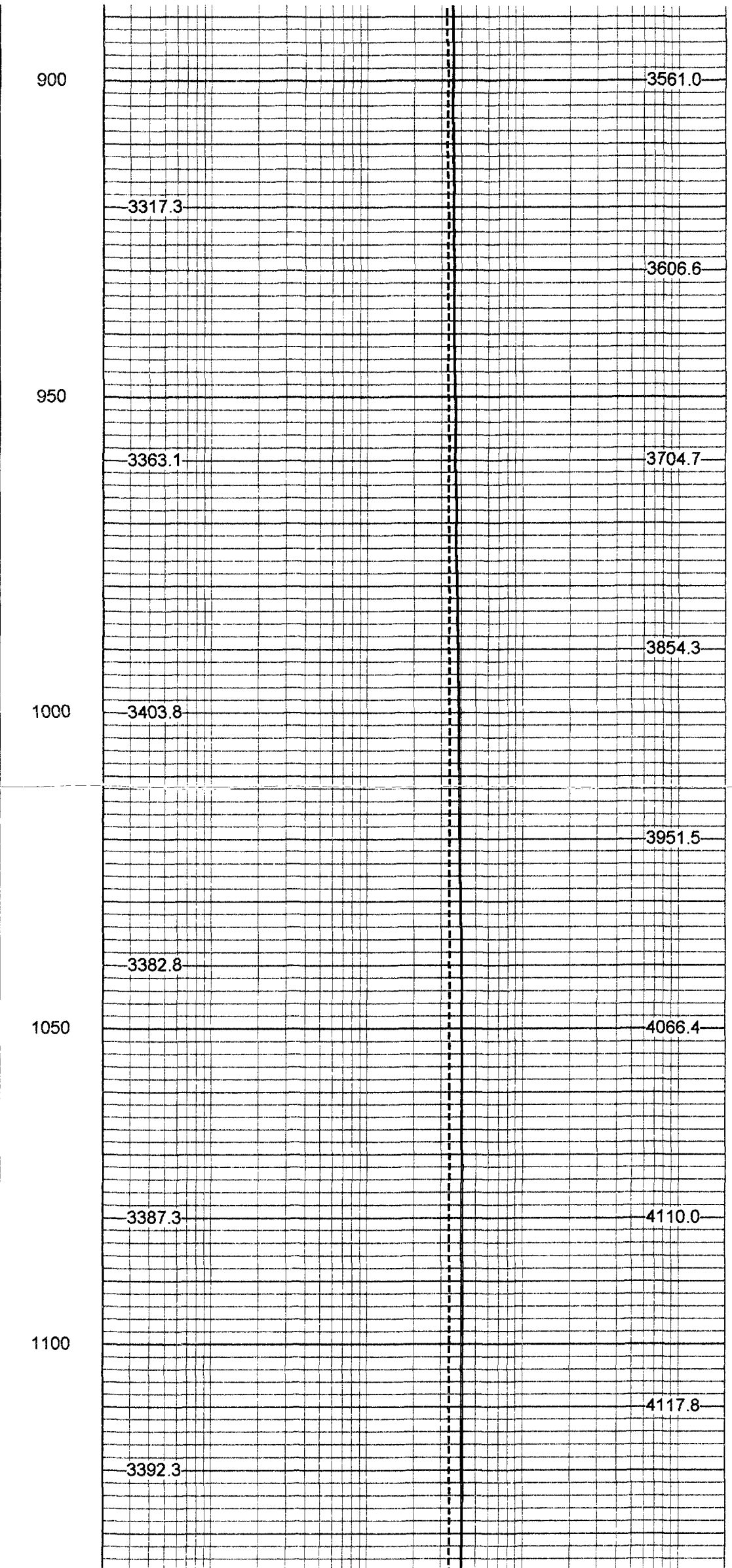
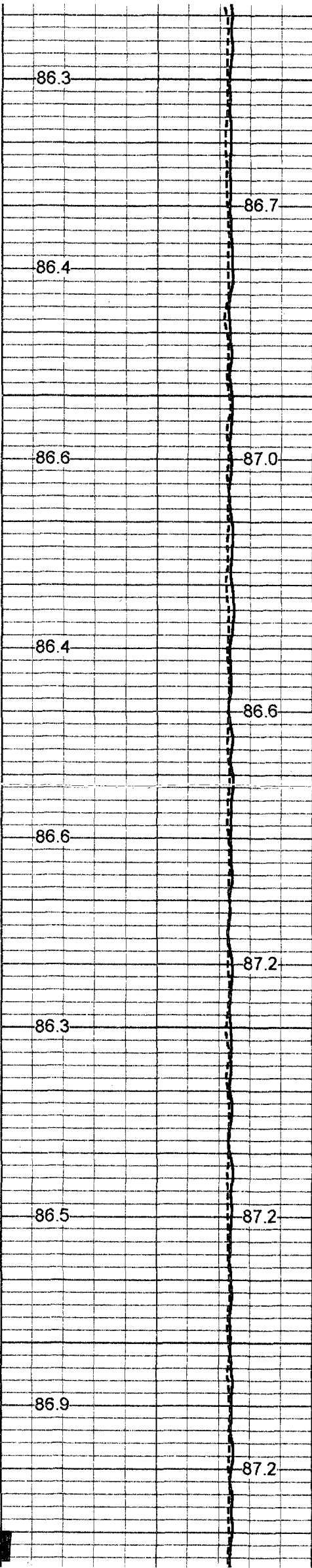
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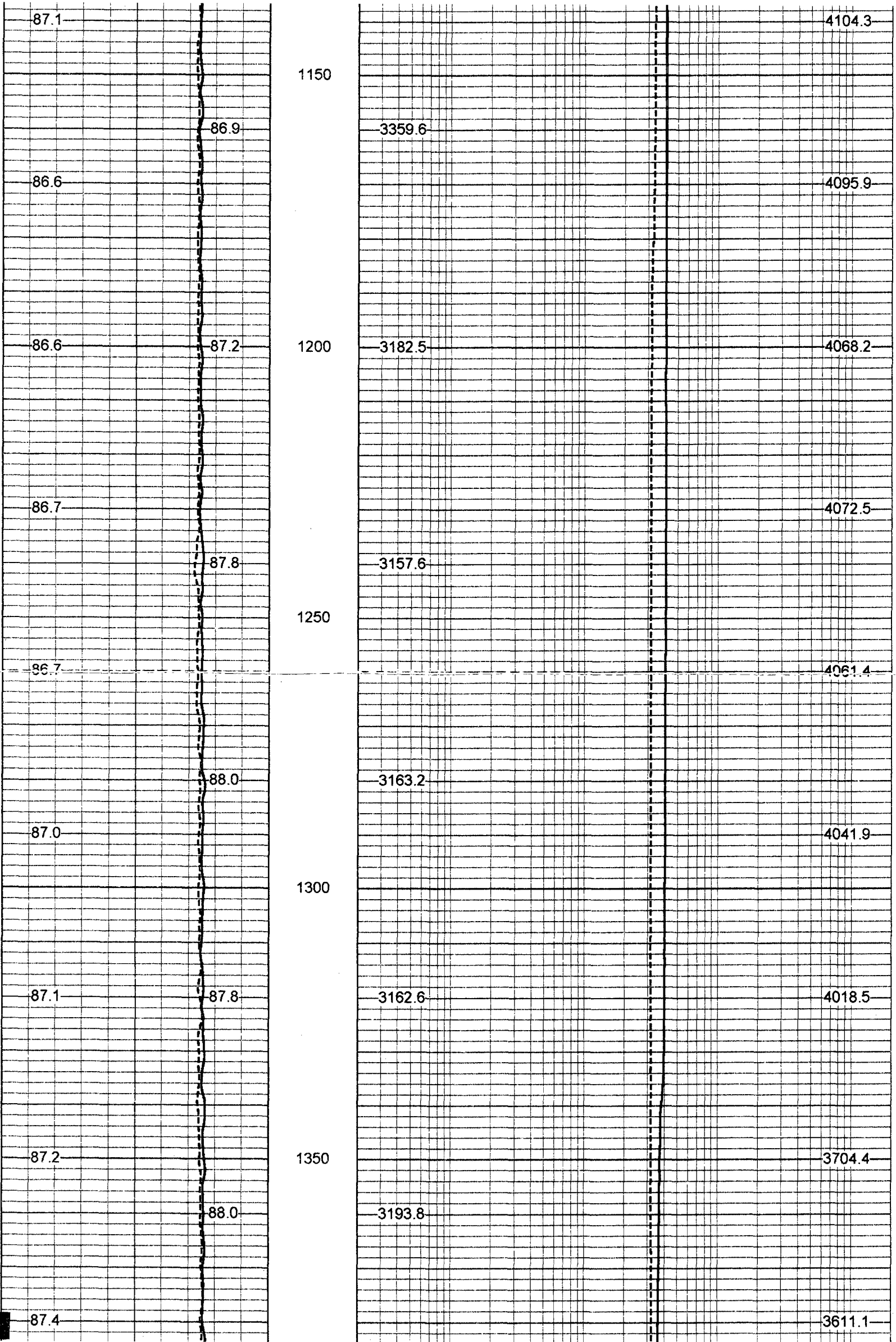
MERGED FCT

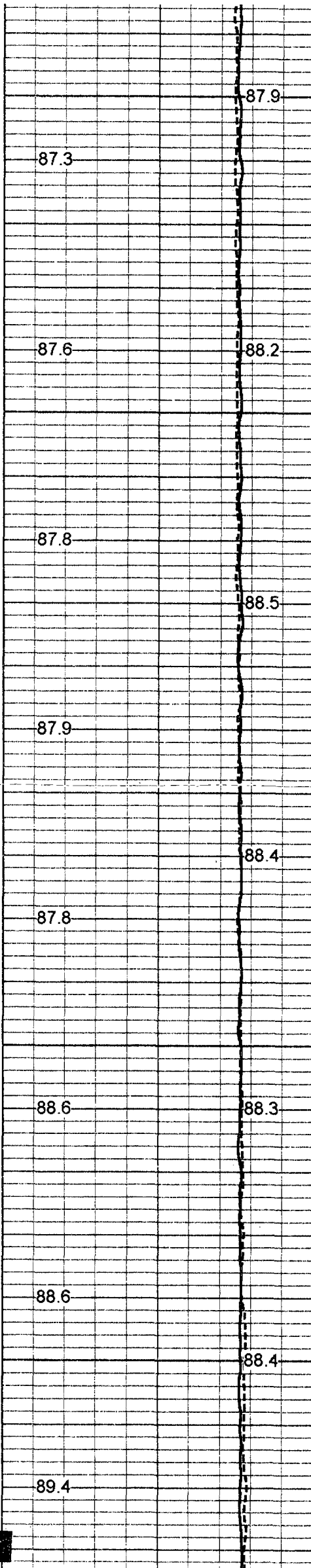
50 DYNAMIC TEMP (degF) 100
 50 STATIC TEMP (degF) 100

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

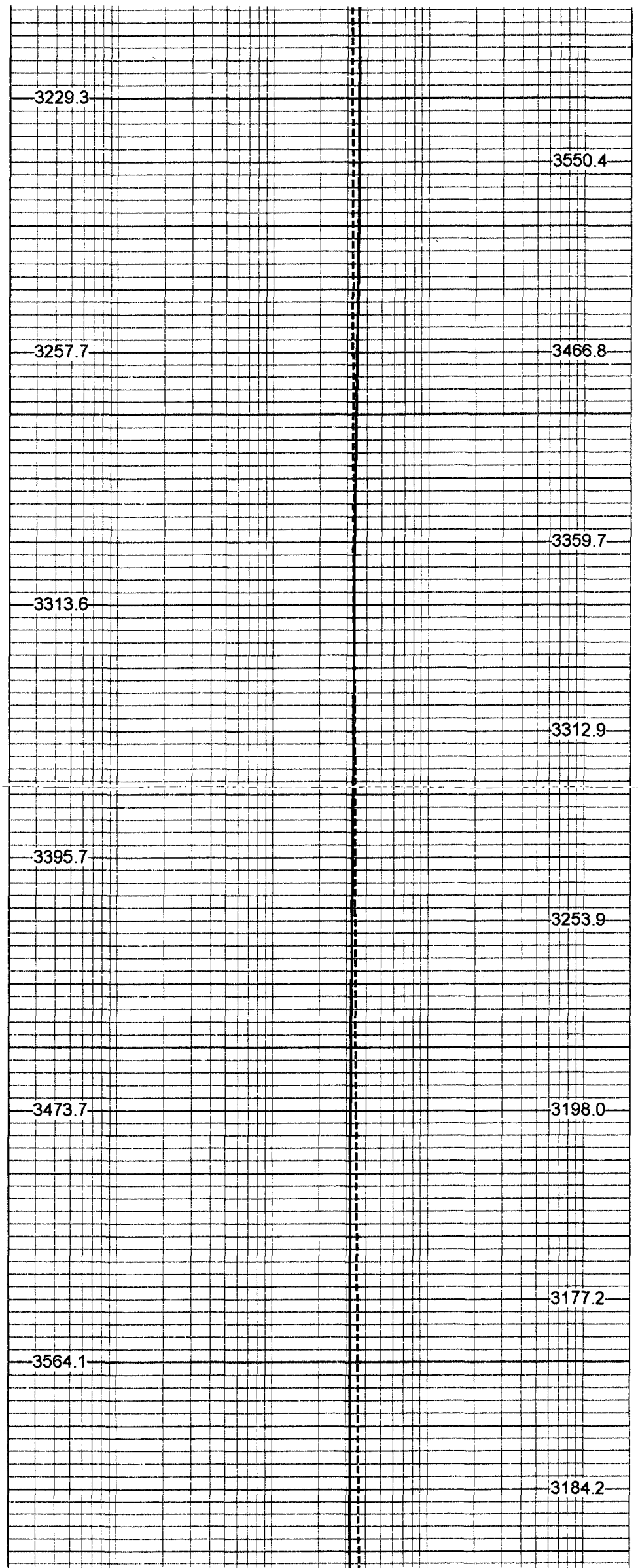




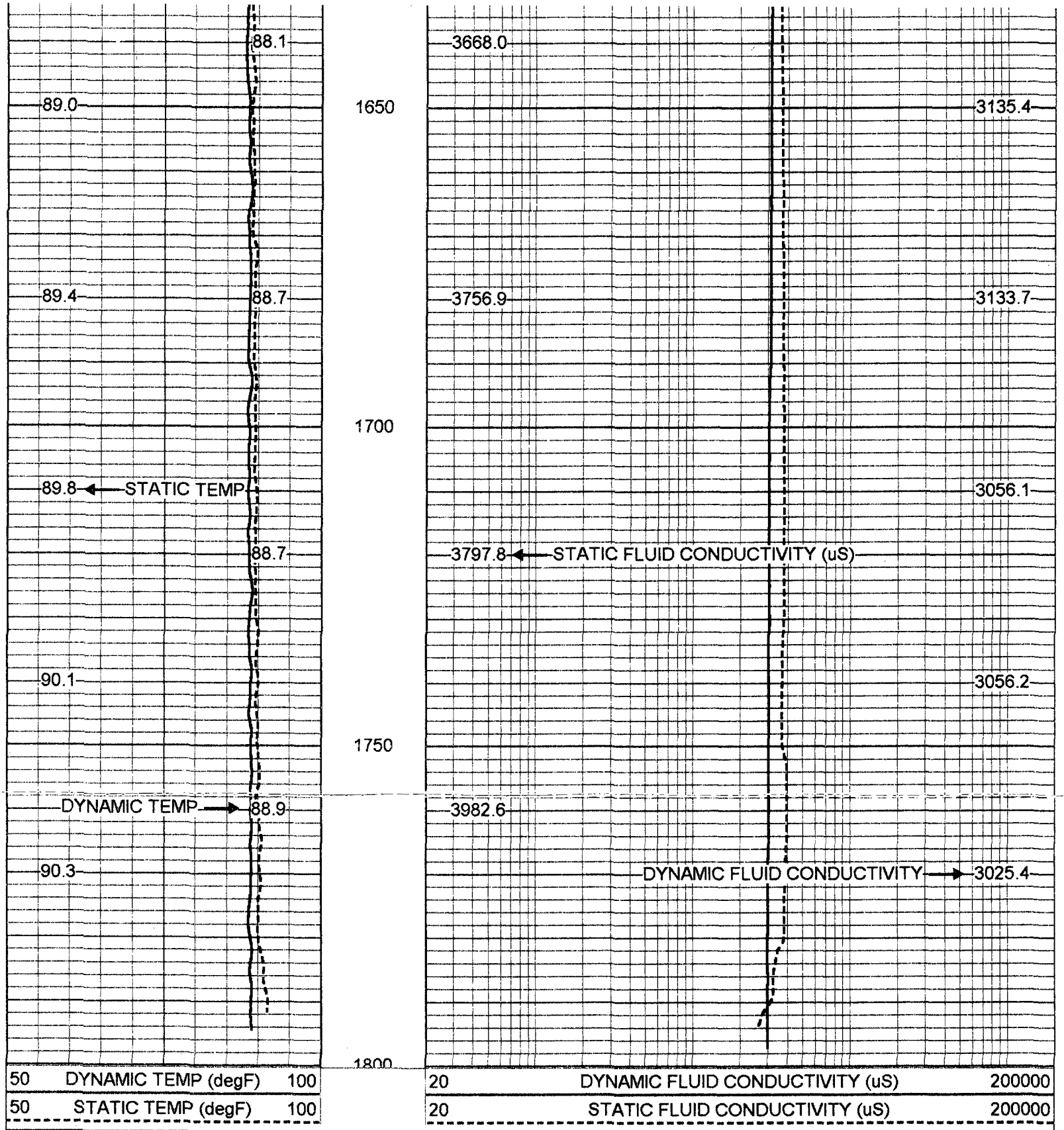




1400
1450
1500
1550
1600

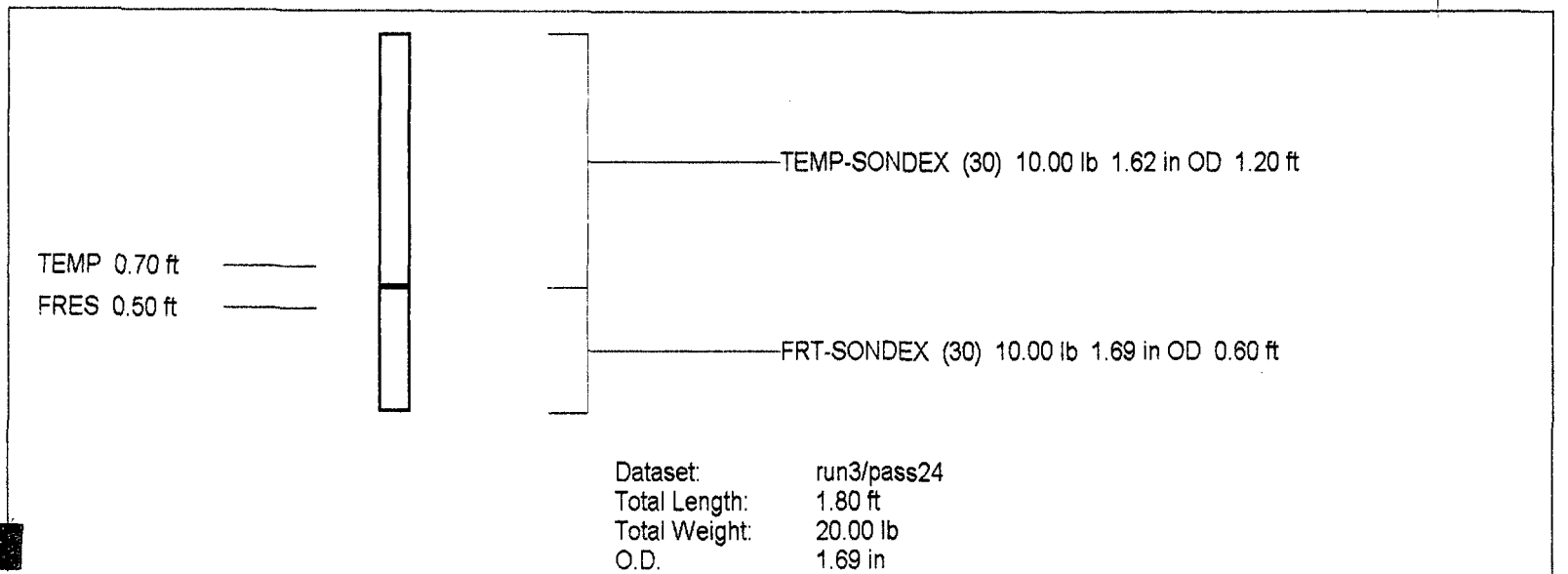


3550.4
3466.8
3359.7
3312.9
3253.9
3198.0
3177.2
3184.2



50 DYNAMIC TEMP (degF) 100
 50 STATIC TEMP (degF) 100

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



FRT Calibration Report

Serial Number: 30
Tool Model: SONDEX
Performed: Thu Apr 18 14:47:29 2002

Point #	Reading		Reference
1	42.904	cps	1000.000
2	309.469	cps	10000.000
3	858.679	cps	25000.000
4	1742.780	cps	50000.000
5	3177.680	cps	70000.000
6		cps	

Temperature Calibration Report

Serial Number: 30
Tool Model: SONDEX
Performed: Thu Apr 18 13:26:57 2002

Point #	Reading		Reference	
1	109.698	cps	34	degF
2	681.903	cps	150	degF
3		cps		degF