



**YOUNGQUIST  
BROTHERS, Inc**

GEOPHYSICAL LOGGING DIVISION

**FLUID CONDUCTIVITY  
TEMPERATURE  
LOG**

Company CH2M HILL  
Well W.R.F. DZMW#1  
Field BONITA SPRINGS W.R.F.  
County LEE  
State FLORIDA

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Location	Permanent Datum	Elevation	Other Services
	Log Measured From		SEE COMMENTS
	Drilling Measured From		

Date 20-NOV-2003  
Run Number FIVE  
Depth Driller 1750'  
Depth Logger 1744'  
Bottom Logged Interval 1744'  
Top Log Interval CASING  
Open Hole Size 12.25"  
Type Fluid WATER  
Density / Viscosity NA  
Max. Recorded Temp. NA  
Estimated Cement Top NA  
Time Well Ready 0630  
Time Logger on Bottom 0630  
Equipment Number 103  
Location FT. MYERS  
Recorded By CATHEY  
Witnessed By M. SCHILLING

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	12.25"	CASING	502'	FIVE	12.25"	CASING	1750'
TWO	42.5"	CASING	455'				
THREE	12.25"	CASING	1106'				
FOUR	32.5"	CASING	1115'				
Casing Record	Size	Wgt/ft	Top	Bottom			
Surface String	36"	375 W.T.	SURFACE	450'			
Prot. String	24"	375 W.T.	SURFACE	1110'			
Production String							
Line:							

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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:  
DUAL INDUCTION LL3/SP  
SONIC  
X-Y CALIPER / GAMMA RAY  
FLOWMETER  
DYNAMIC FLOWRATE = 100 GPM

Entered Into  
**OCULUS**  
South District

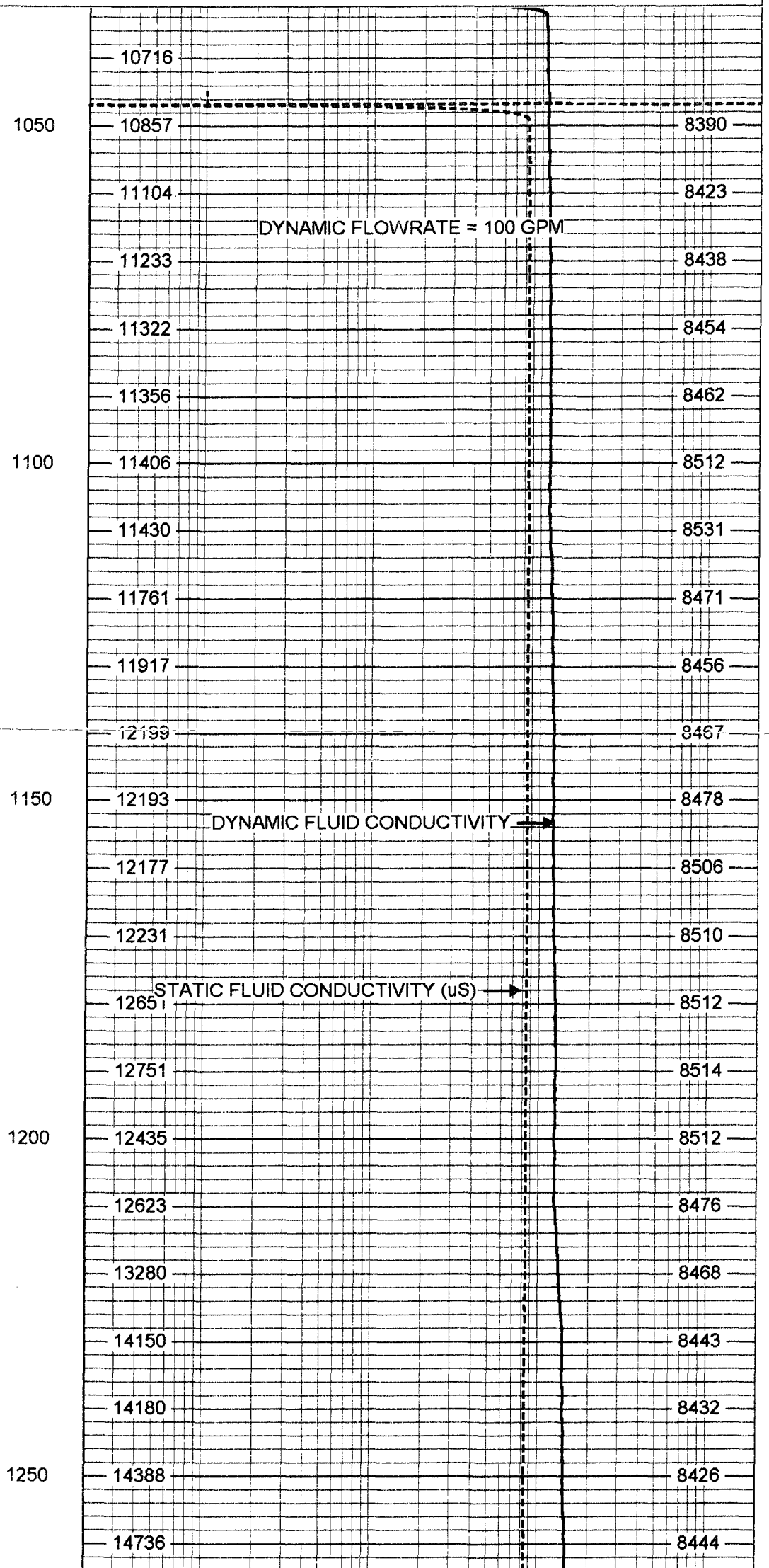
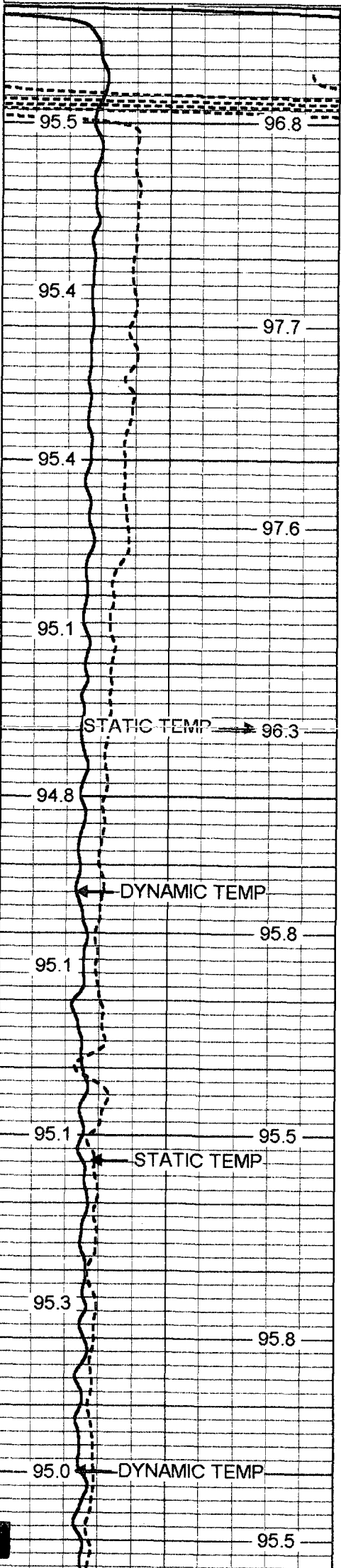
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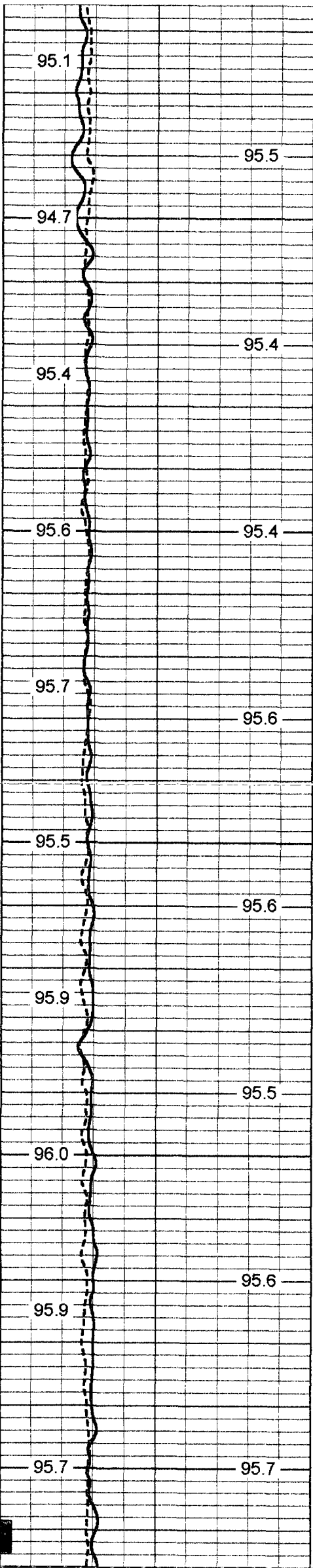
**MERGED FCT**

Database File: bsdzwm1.db  
Dataset Pathname: run5/pass17  
Presentation Format: frt\_mg  
Dataset Creation: Tue Nov 25 16:15:44 2003  
Checked by: [Signature]

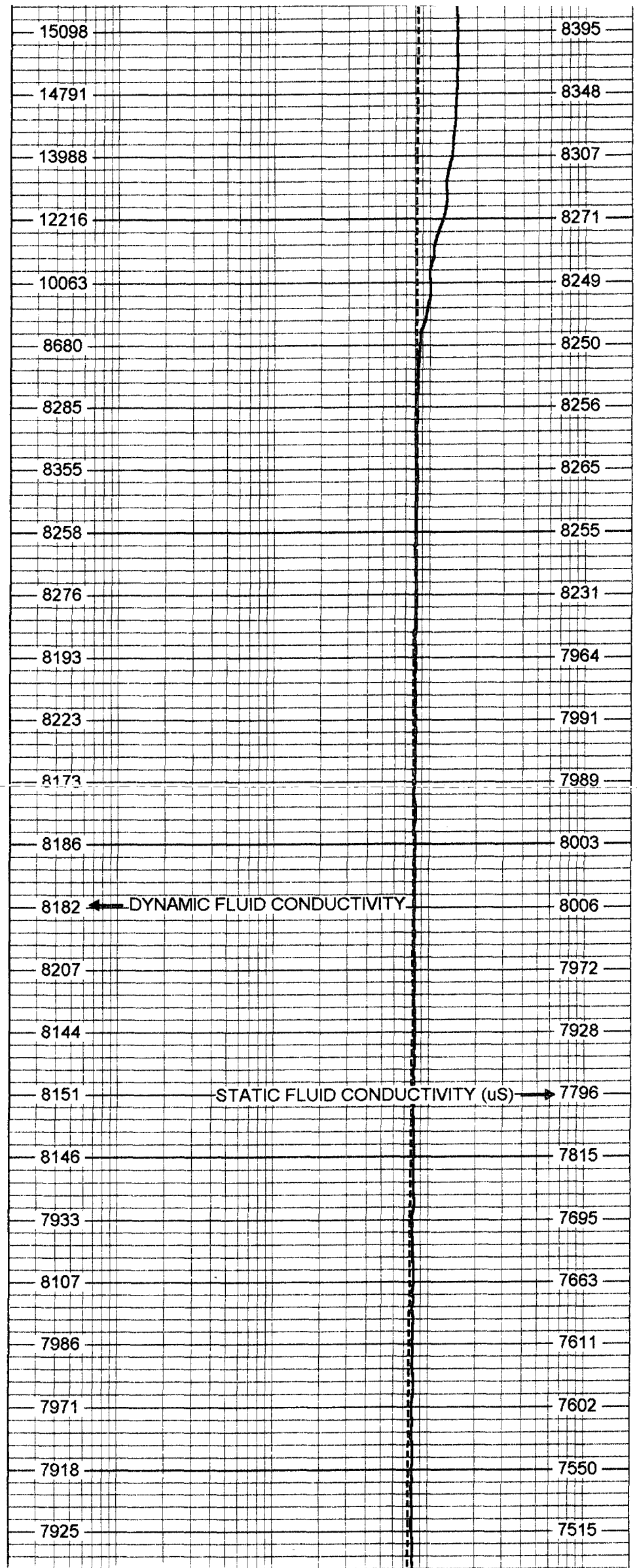
90	DYNAMIC TEMP (degF)	110
90	STATIC TEMP (degF)	110

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



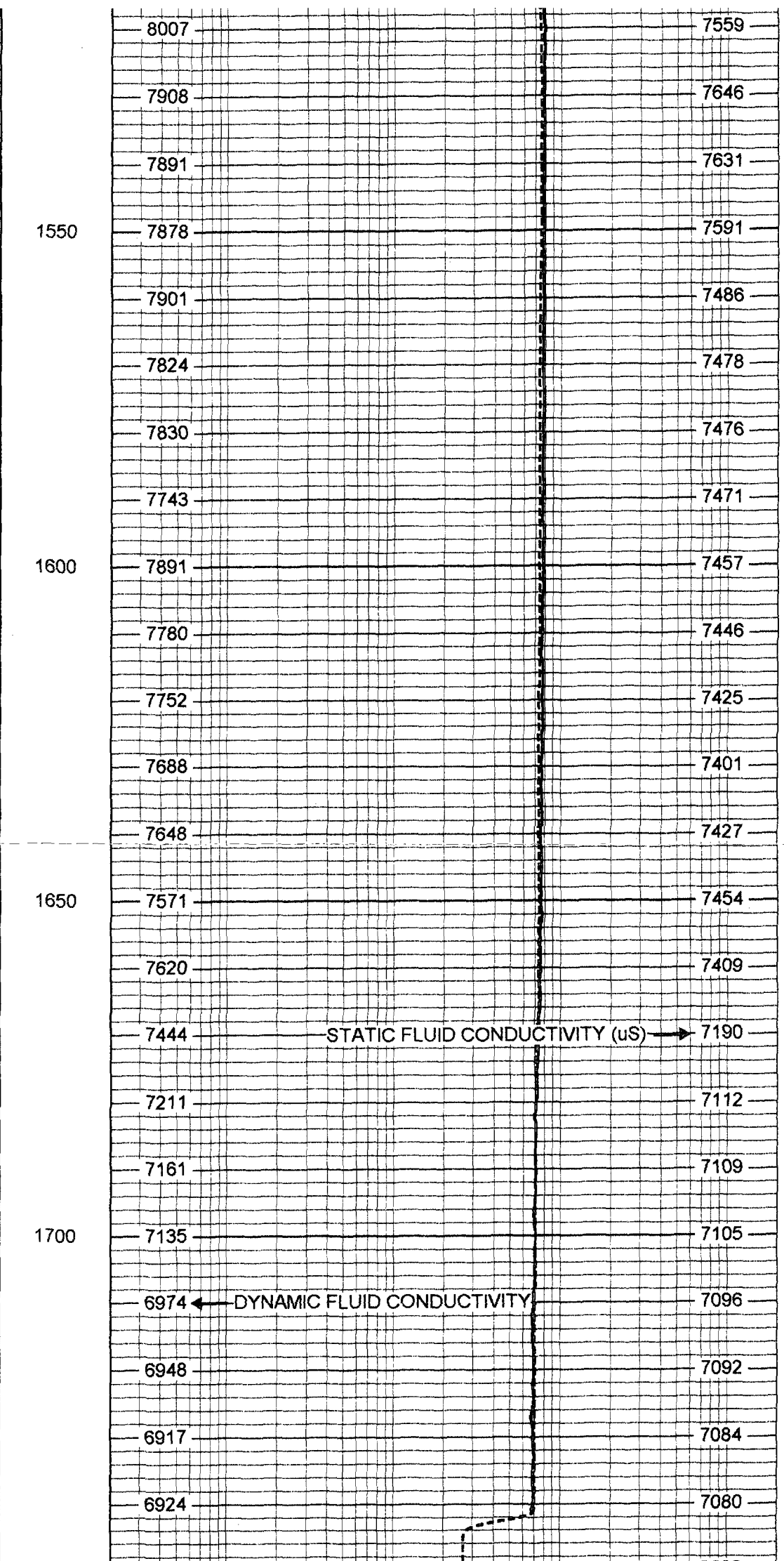
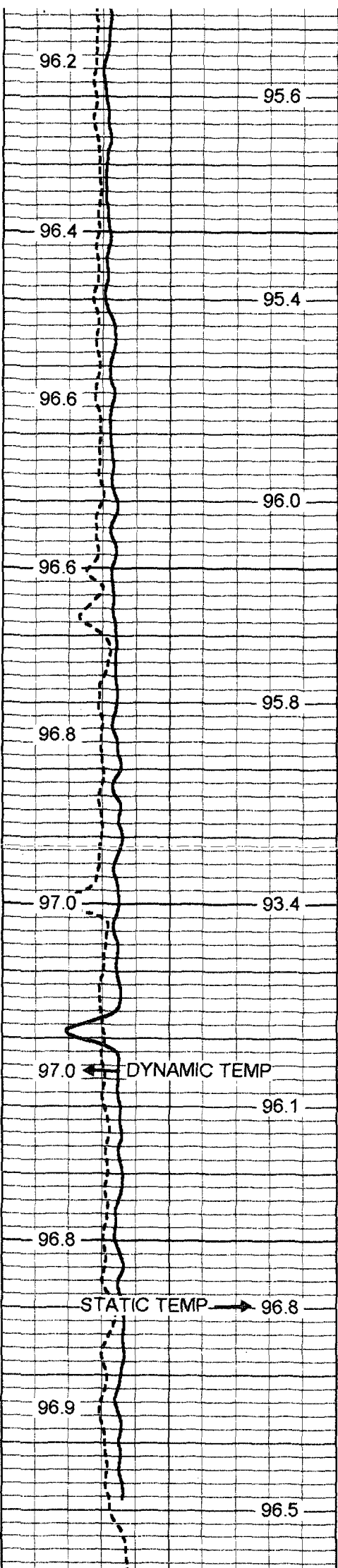


1300  
1350  
1400  
1450  
1500



← DYNAMIC FLUID CONDUCTIVITY

STATIC FLUID CONDUCTIVITY (uS) →



90	DYNAMIC TEMP (degF)	110
90	STATIC TEMP (degF)	110

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

FRT Calibration Report

Serial Number: 30  
 Tool Model: SONDEX  
 Performed: Tue Apr 15 10:25:31 2003

Point #	Reading		Reference
1	32.596	cps	1000.000
2	175.215	cps	10000.000
3	425.338	cps	25000.000
4	967.399	cps	50000.000
5		cps	
6		cps	

Temperature Calibration Report

Serial Number: 30  
 Tool Model: SONDEX  
 Performed: Fri Apr 04 09:46:01 2003

Point #	Reading		Reference	
1	121.963	cps	36	degF
2	312.065	cps	79	degF
3	608.77	cps	136	degF

