YOUNGQUIST BROTHERS, Inc
GEOPHYSICAL LOGGING DIVISION

FLUID CONDUCTIVITY TEMPERATURE LOG

RECEIVED
NOV 26 2003
South District

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

Company CH2M HILL
Well W.R.F. DZMW#1 B.S.F. - South District
Field BONITA SPRINGS W.R.F.
County LEE State FLORIDA
Location

Other Services
SEE COMMENTS

Permanent Datum	PAD	Elevation	K.B.
Log Measured From	PAD		D.F.
Drilling Measured From	PAD		G.L.

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	0600
Time Logger on Bottom	0630
Equipment Number	103
Location	FT. MYERS
Recorded By	CATHEY
Witnessed By	M. SCHILLING

Borehole Record

Run Number	Bit	From	To
ONE	12.25"	CASING	502'
TWO	42.5"	CASING	455'
THREE	12.25"	CASING	1106'
FOUR	32.5"	CASING	1115'

Tubing Record

Size	Wgt/Ft	Top	Bottom
FIVE	12.25"	CASING	1750'

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				
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:

DUAL INDUCTION LL3/SP
SONIC
X-Y CALIPER / GAMMA RAY
FLOWMETER

DYNAMIC FLOWRATE = 100 GPM

Entered into OCULUS South District

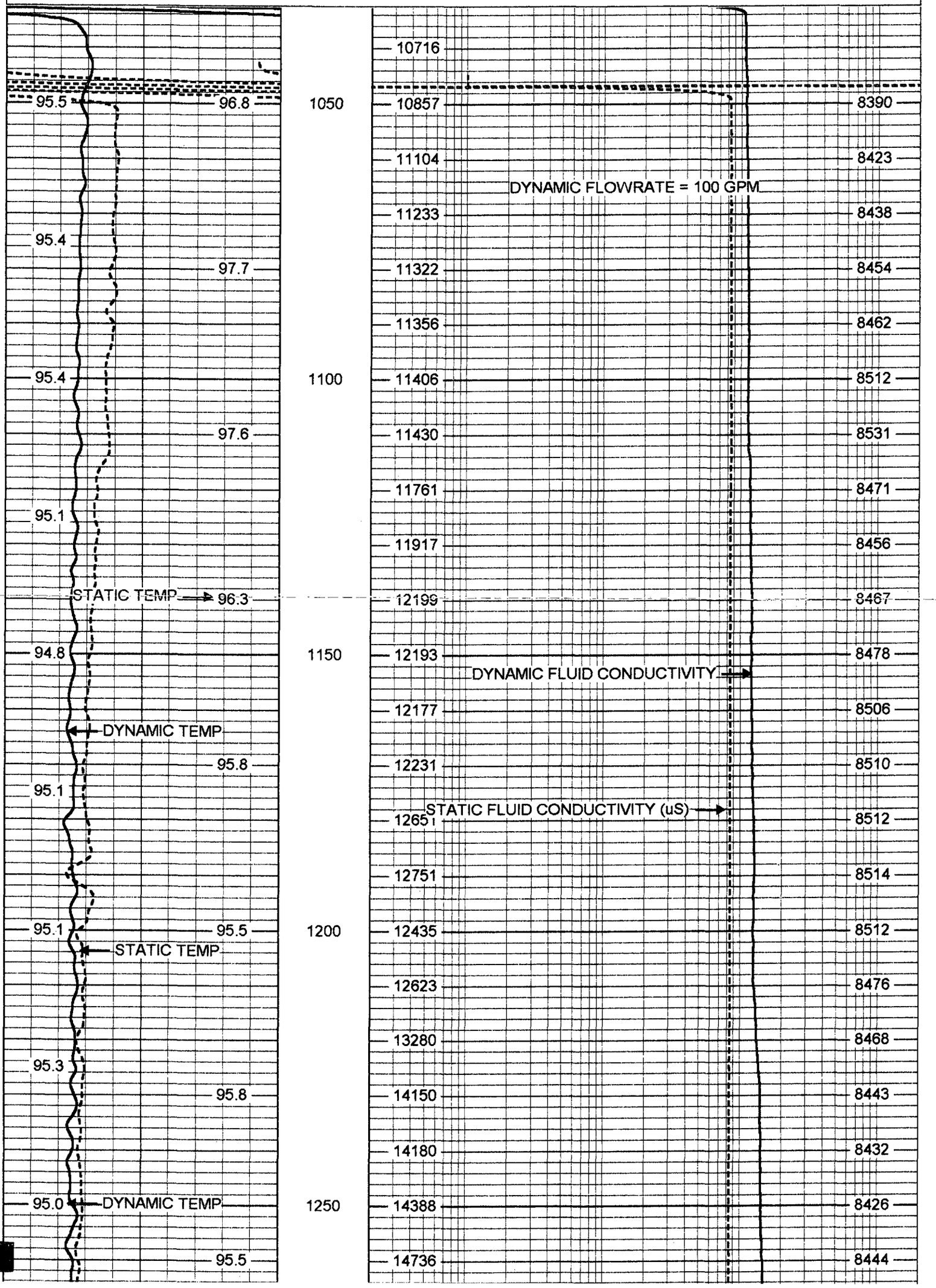
YOUNGQUIST BROTHERS, Inc
GEOPHYSICAL LOGGING DIVISION

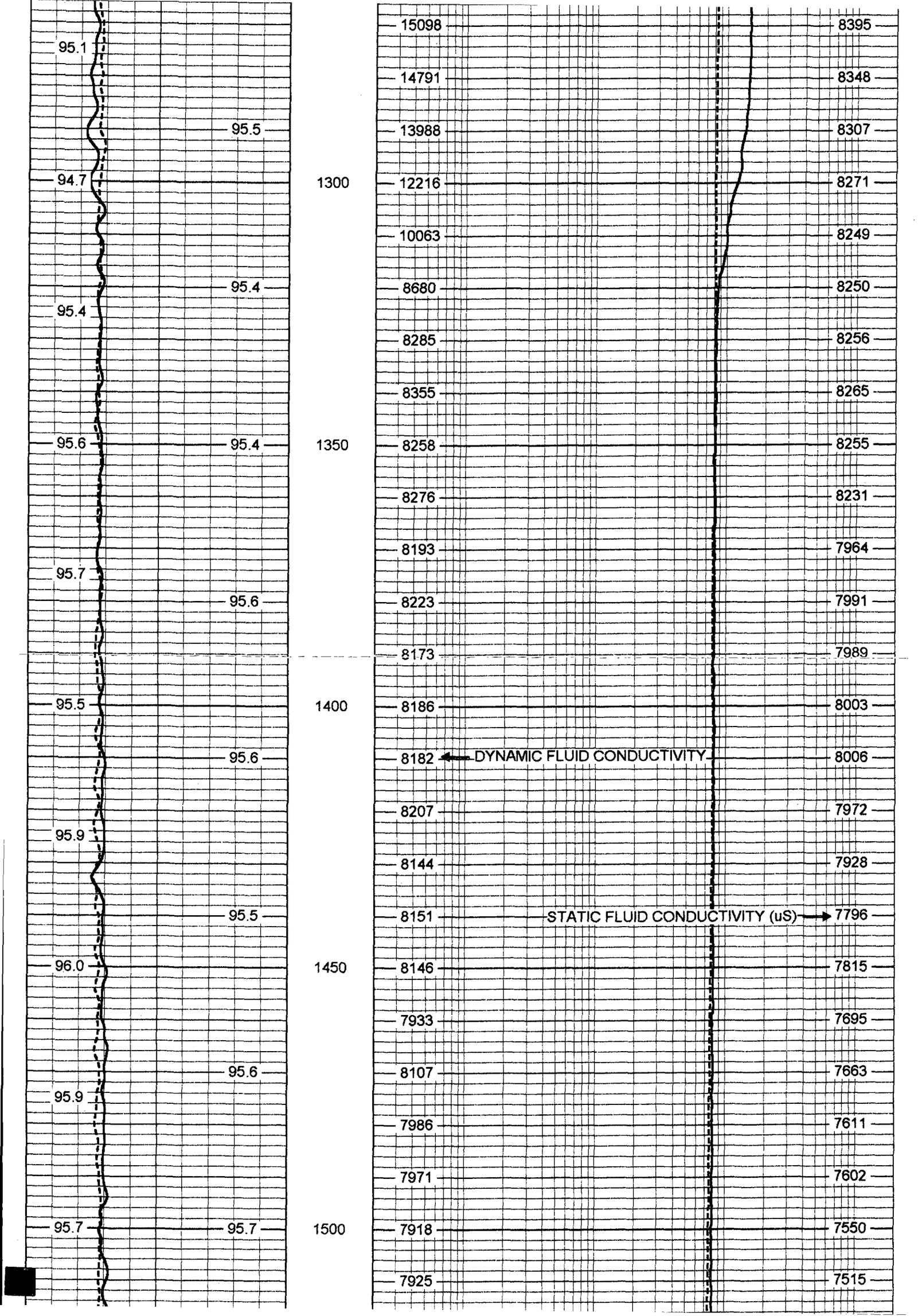
MERGED FCT

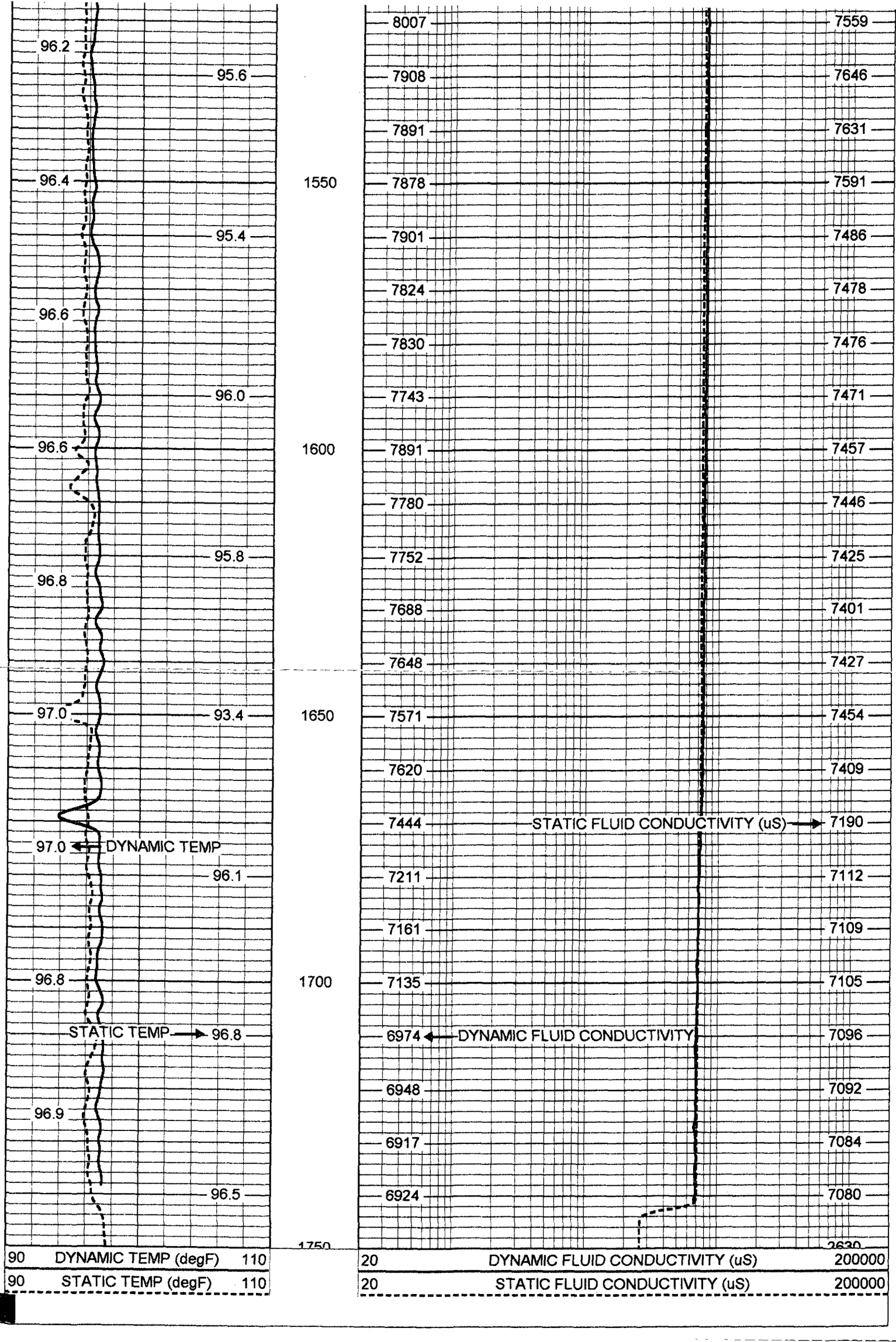
Database File: bsdzmw1.db
Dataset Pathname: run5/pass17
Presentation Format: frt_mg
Dataset Creation: Thu Nov 20 17:54:57 2003 by Log 6.2_B4

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

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




95.1
95.5
94.7
1300
15098
8395
14791
8348
13988
8307
12216
8271
10063
8249
95.4
8680
8250
95.4
8285
8256
8355
8265
95.6
95.4
1350
8258
8255
8276
8231
8193
7964
95.7
8223
7991
95.6
8173
7989
95.5
1400
8186
8003
95.6
8182
DYNAMIC FLUID CONDUCTIVITY
8006
8207
7972
95.9
8144
7928
95.5
8151
STATIC FLUID CONDUCTIVITY (uS)
7796
96.0
1450
8146
7815
7933
7695
95.6
8107
7663
95.9
7986
7611
7971
7602
95.7
95.7
1500
7918
7550
7925
7515


96.2
95.6
96.4
1550
95.4
96.6
96.0
96.6
1600
95.8
96.8
97.0
93.4
1650
97.0 DYNAMIC TEMP
96.1
96.8
1700
STATIC TEMP 96.8
96.9
96.5
1750
8007
7908
7891
7878
7901
7824
7830
7743
7891
7780
7752
7688
7648
7571
7620
7444
7211
7161
7135
6974
6948
6917
6924
7559
7646
7631
7591
7486
7478
7476
7471
7457
7446
7425
7401
7427
7454
7409
STATIC FLUID CONDUCTIVITY (uS) 7190
7112
7109
7105
DYNAMIC FLUID CONDUCTIVITY 7096
7092
7084
7080
2630
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

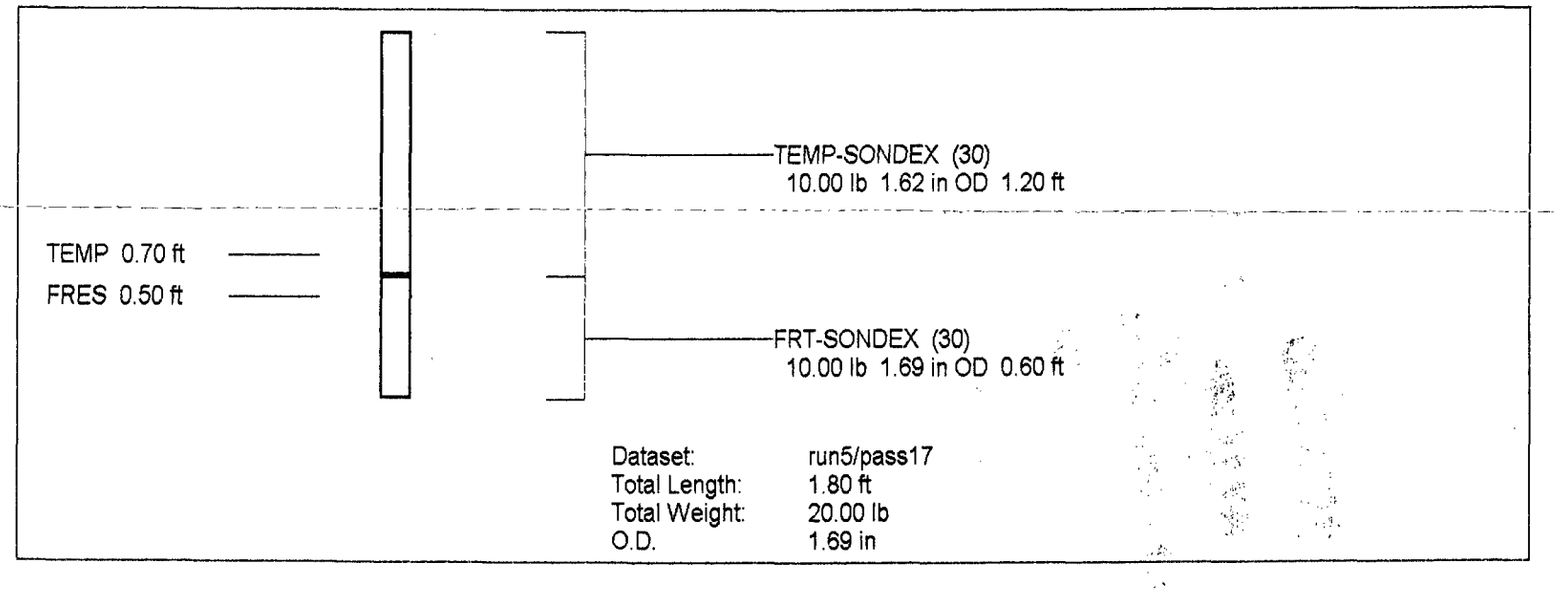
Serial Number: 30
Tool Model: SONDEX
Performed: Tue Apr 15 10:25:31 2003

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



Dataset: run5/pass17
Total Length: 1.80 ft
Total Weight: 20.00 lb
O.D. 1.69 in