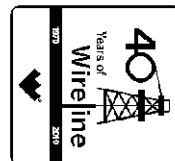




Weatherford

ARRAY INDUCTION LOGS



COMPANY	WEXPRO COMPANY		
WELL	CARL ALLEN 41		
FIELD	POWDER WASH		
PROVINCE/COUNTY	MOFFAT		
COUNTRY/STATE	USA/COLORADO		
LOCATION	SHL: 1054' FSL & 710' FWL		
SEC	TWP	RGE	Other Services
28	12N	97W	MPD
API Number	0508107644		MDN
Permit Number	CXD		
Permanent Datum G.L., Elevation 6660 feet			Elevations: feet
Log Measured From KB			KB 6689.00
Drilling Measured From KB			DF 6689.00
			GL 6660.00
Date	24-JAN-2012		
Run Number	1		
Depth Driller	9520.00	feet	
Depth Logger	6880.00	feet	
First Reading	6877.00	feet	
Last Reading	200.00	feet	
Casing Driller	1534.00	feet	
Casing Logger	1532.00	feet	
Bit Size	7.875	inches	
Hole Fluid Type	WBM		
Density / Viscosity	10.30 lb/USg	42.00 CP	
PH / Fluid Loss	10.30	6.80 cc/30min	
Sample Source	FLOWLINE		
Rm @ Measured Temp	2.60 @ 73.8	ohm-m	
Rmf @ Measured Temp	2.08 @ 73.8	ohm-m	
Rmc @ Measured Temp	3.12 @ 73.8	ohm-m	
Source Rmf / Rmc	CALC	CALC	
Rm @ BHT	1.19 @165.0	ohm-m	
Time Since Circulation	6 HOURS		
Max Recorded Temp	165.00	deg F	
Equipment Name	COMPACT		
Equipment / Base	13144	RK SPR	
Recorded By	A.VAN BRUNT		J.LIU
Witnessed By	SLAWS		

BOREHOLE RECORD

Last Edited: 24-JAN-2012 05:41

Bit Size inches	Depth From feet	Depth To feet
7.875	1534.00	9520.00

CASING RECORD

Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE	9.625	0.00	1534.00	36.00

REMARKS

SOFTWARE VERSION 12.02.4401

TOOLS RUN: SHA, MCG, MDN, MPD, MIS-D, SKJ, MIS-B, SKJ, CXD, MFE, MAI RUN IN COMBINATION.

HARDWARE: MPD: 8" PROFILE PLATE USED.
MAI: TWO 1 INCH STANDOFFS USED.
MFE: ONE 1 INCH STANDOFF USED.
MDN: DUAL BOWSPRING USED.
CXD: TWO CENTRALIZING BASKETS

2.65 G/CC DENSITY MATRIX USED TO CALCULATE POROSITY.

TIGHT PULLS, BOREHOLE SIZE AND RUGOSITY WILL AFFECT REPEATABILITY AND DATA QUALITY.

ALL INTERVALS LOGGED AND SCALED PER CUSTOMER'S REQUEST.

BRIDGED AT 6880FT. LOGGED UP FROM THERE

TOTAL HOLE VOLUME FROM BRIDGE @ 6880FT TO SURFACE CASING =2040 CUBIC FEET

ANNULAR VOLUME WITH 4.5 INCH PRODUCTION CASING FROM BRIDGE @ 6880FT TO SURFACE CASING = 1450 CUBIC FEET

SERVICE ORDER: #3531975

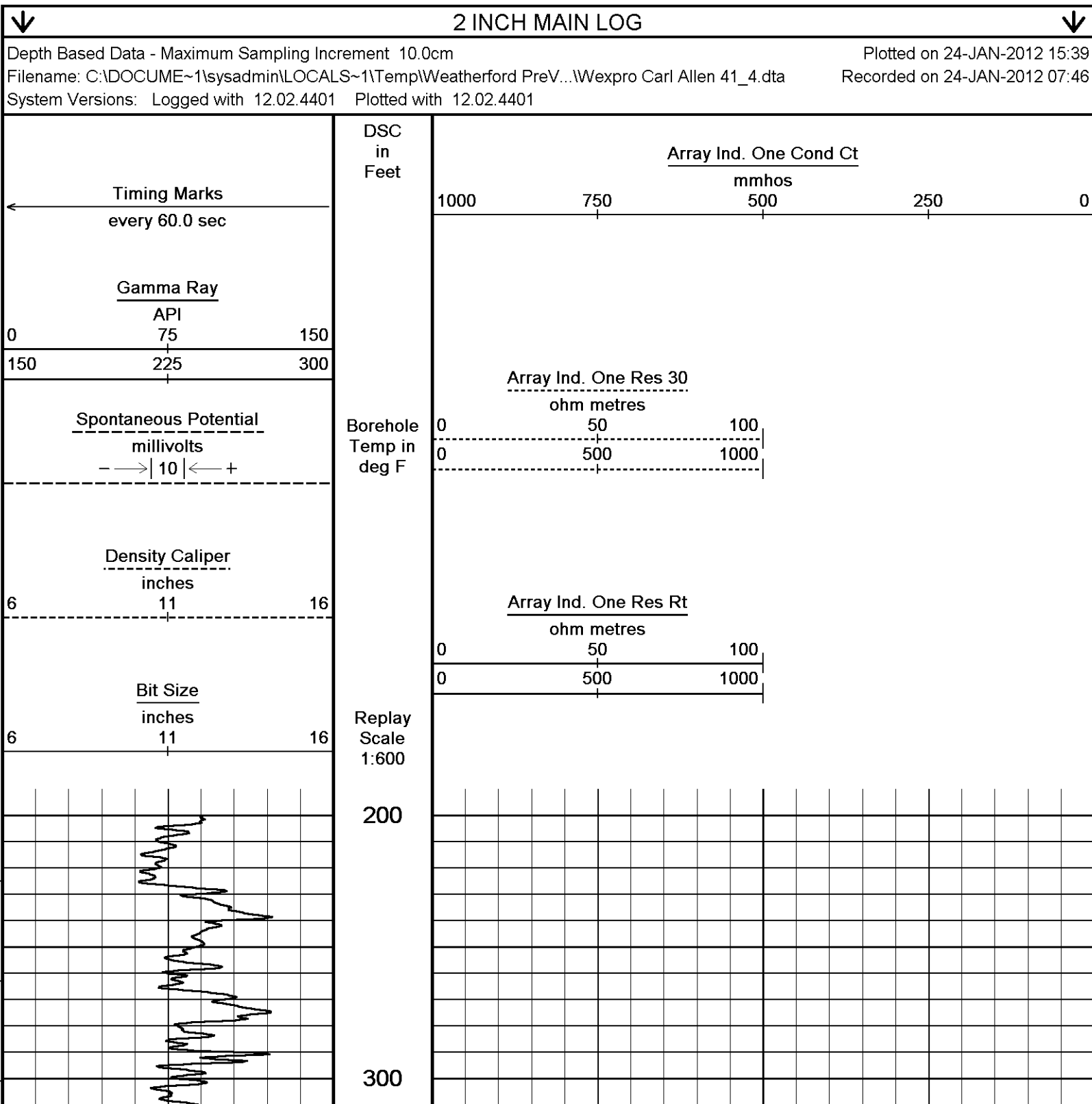
OPERATOR: R.MORITZ

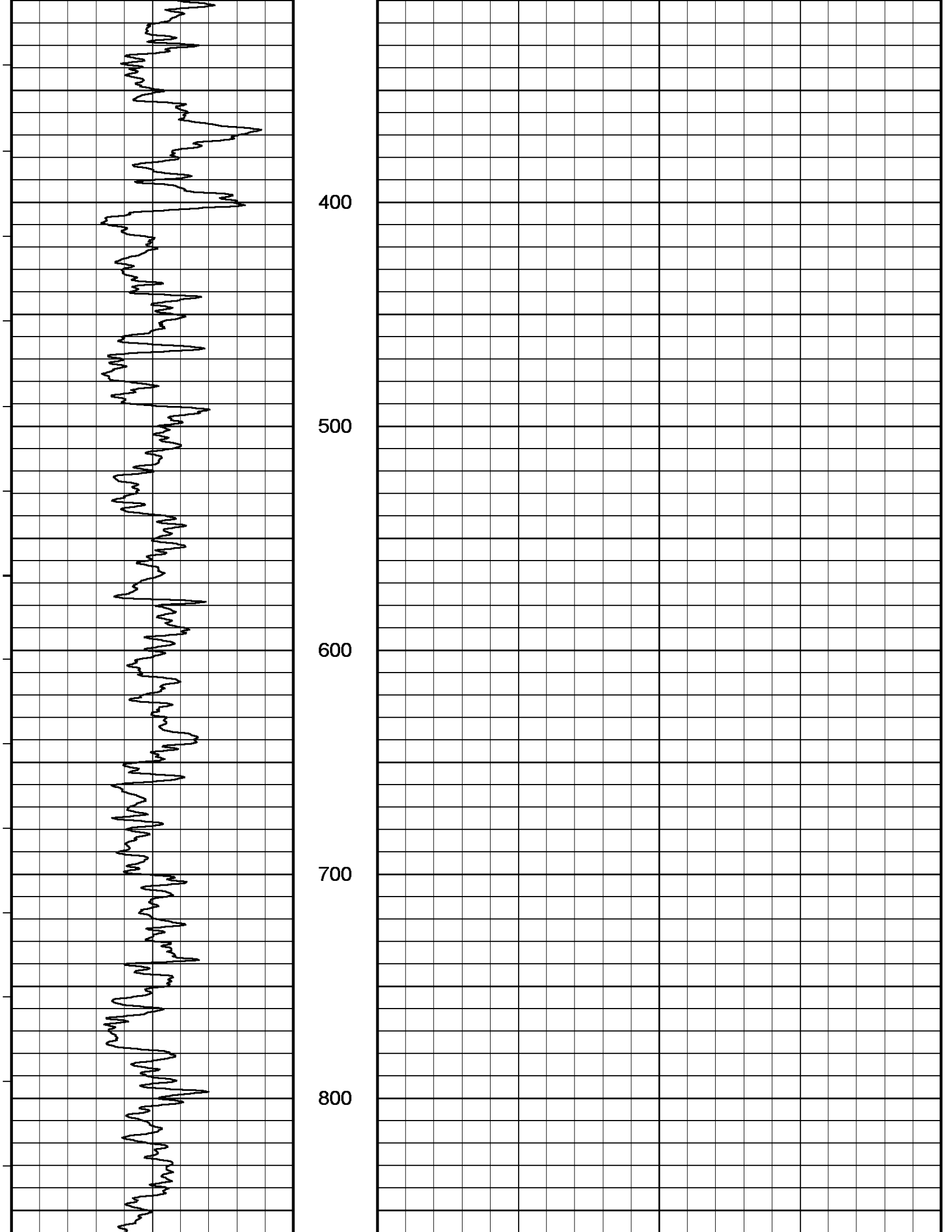
M.LAMOREAUX

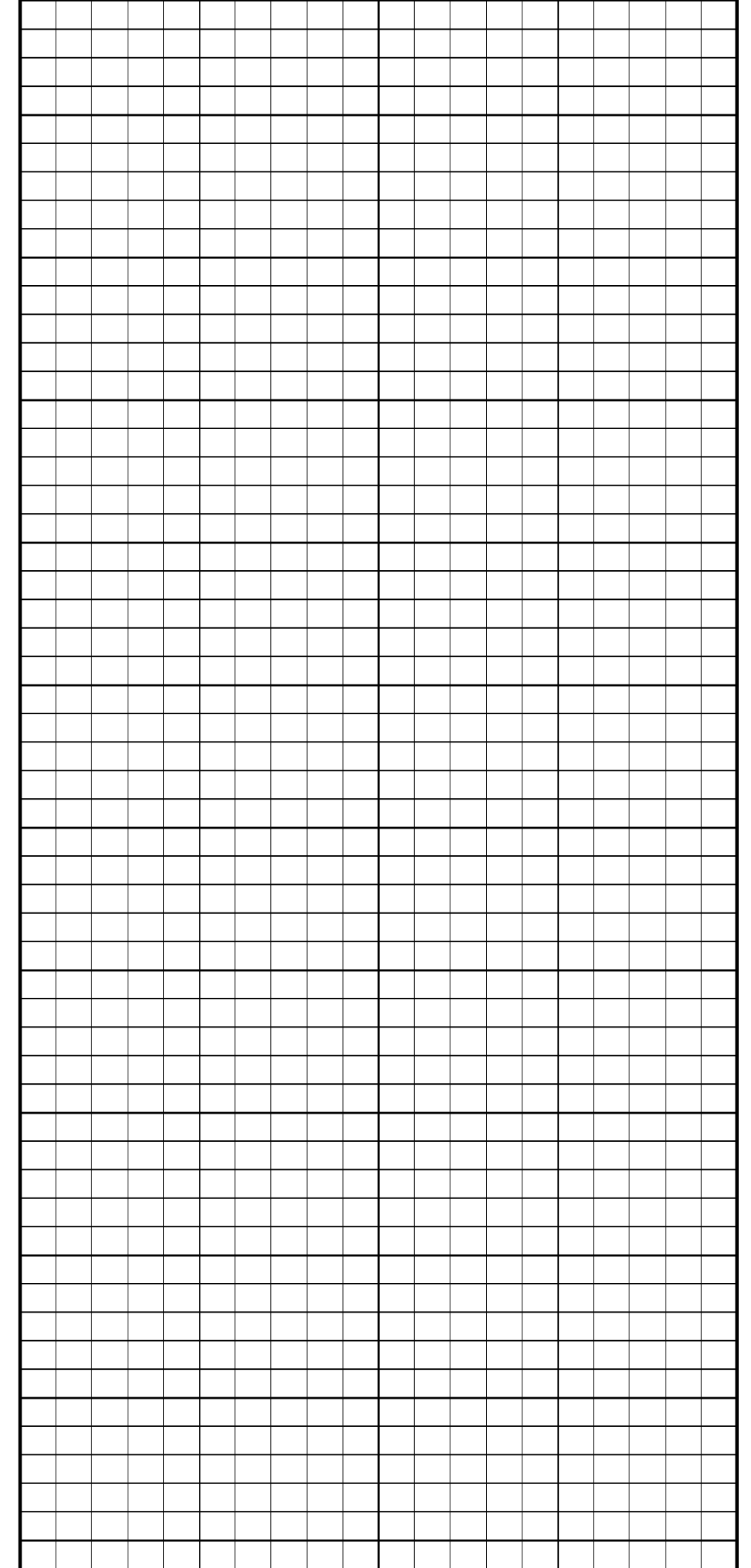
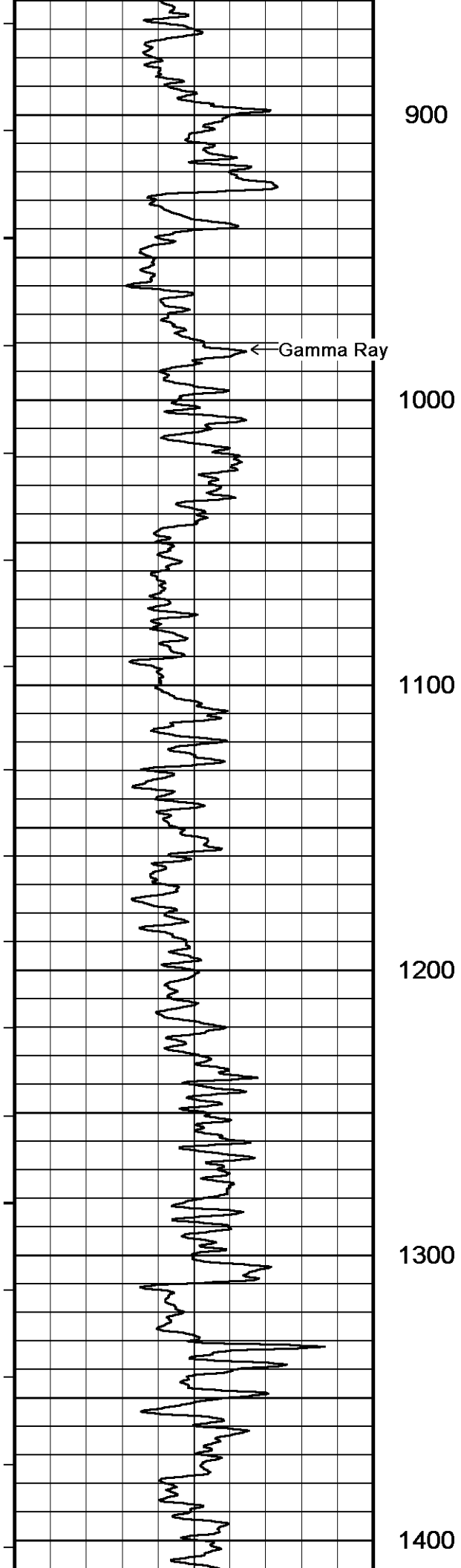
T.BENICH

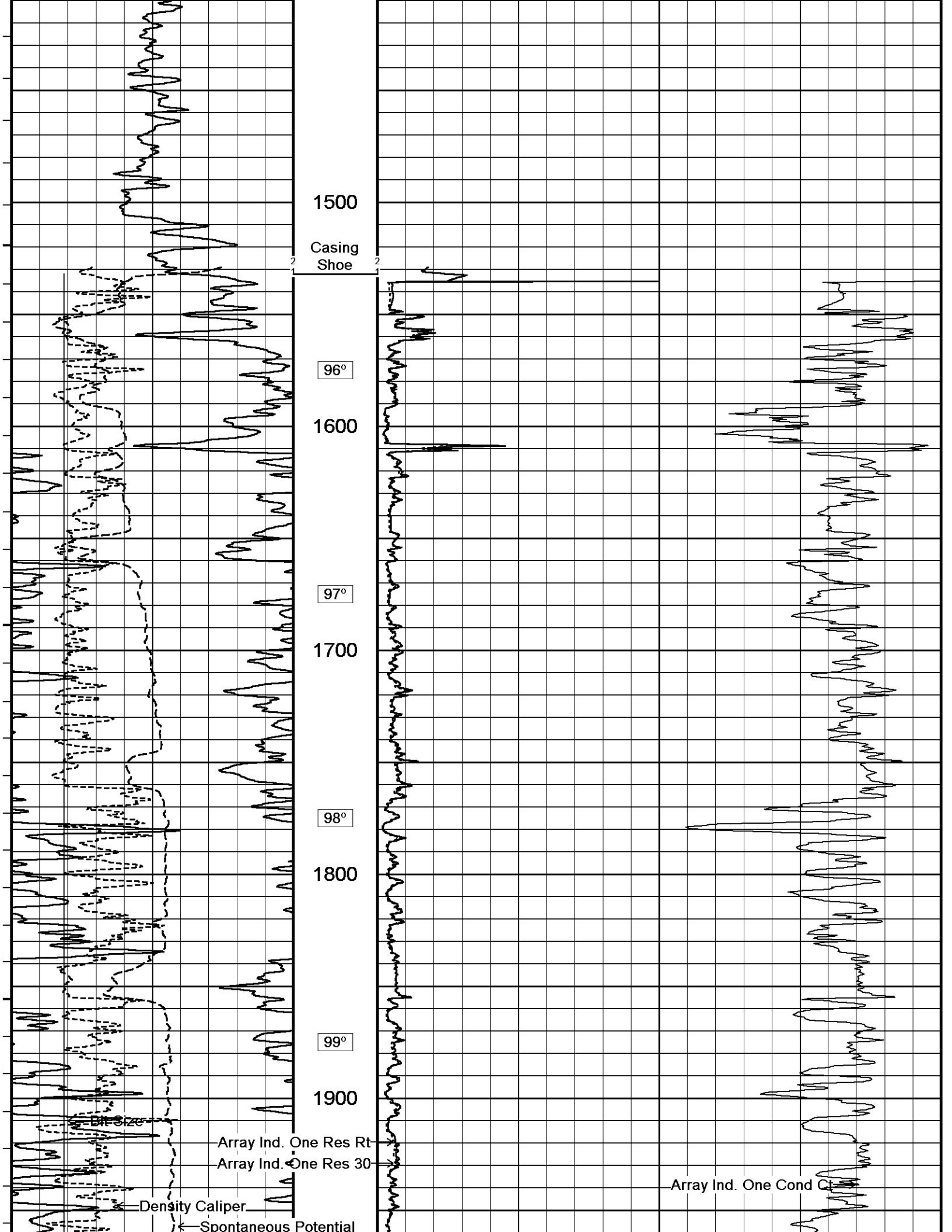
RIG: SST 88

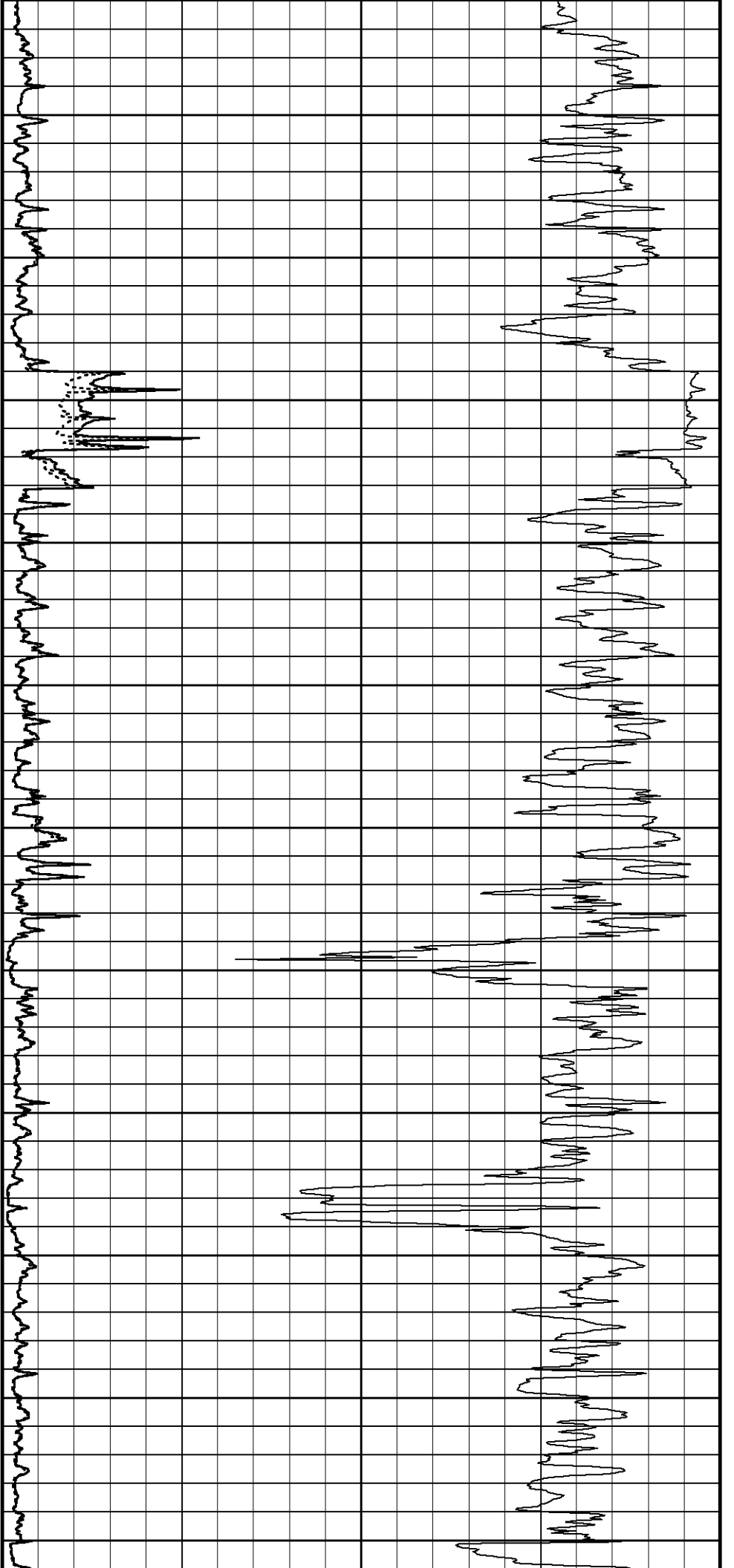
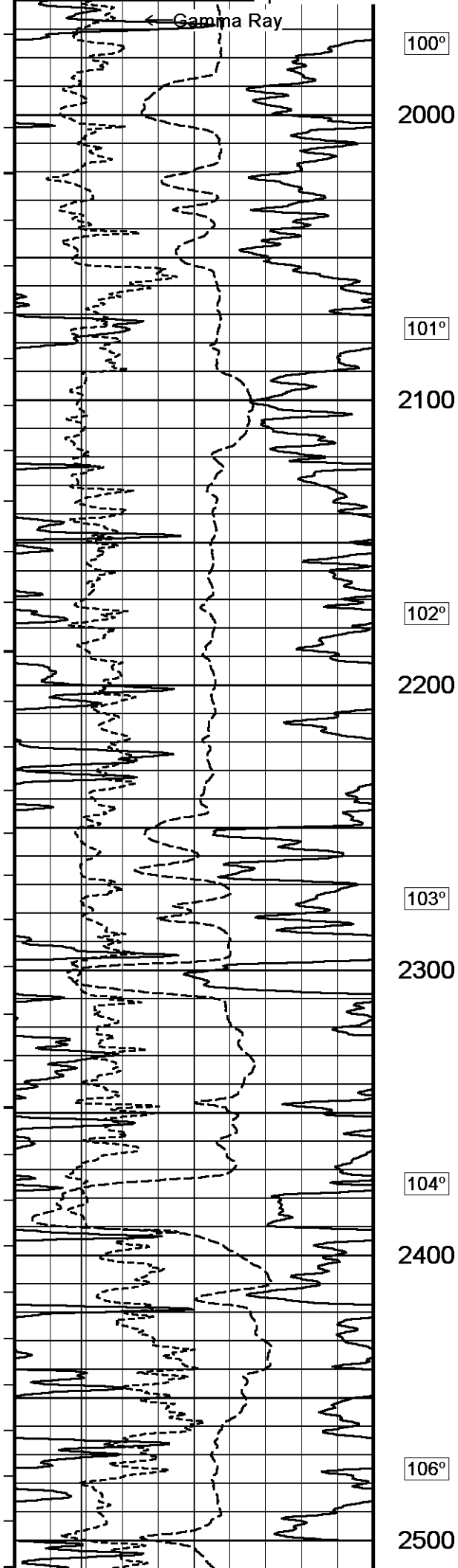
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs, 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 in our price schedule.

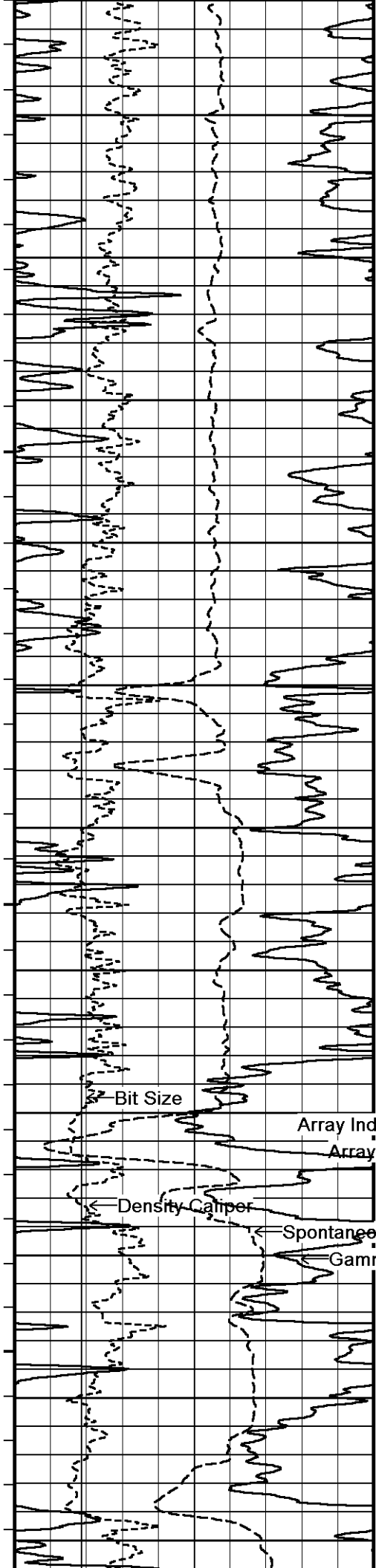












107°

2600

109°

2700

110°

2800

110°

2900

111°

3000

Bit Size

Array Ind. One Res Rt

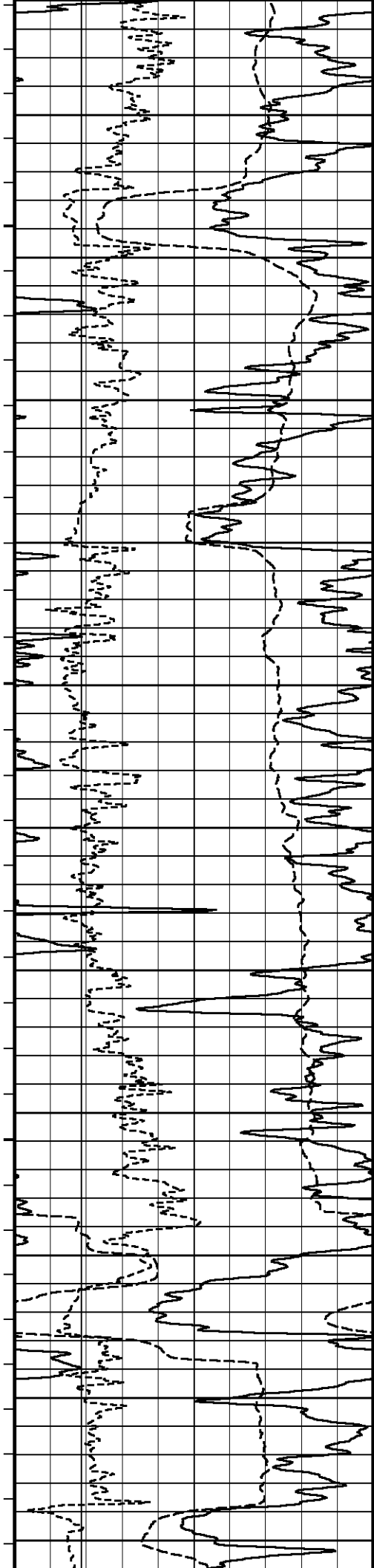
Array Ind. One Res 30

Density Caliper

Spontaneous Potential

Gamma Ray

Array Ind. One Cond Ct



113°

3100

114°

3200

116°

3300

116°

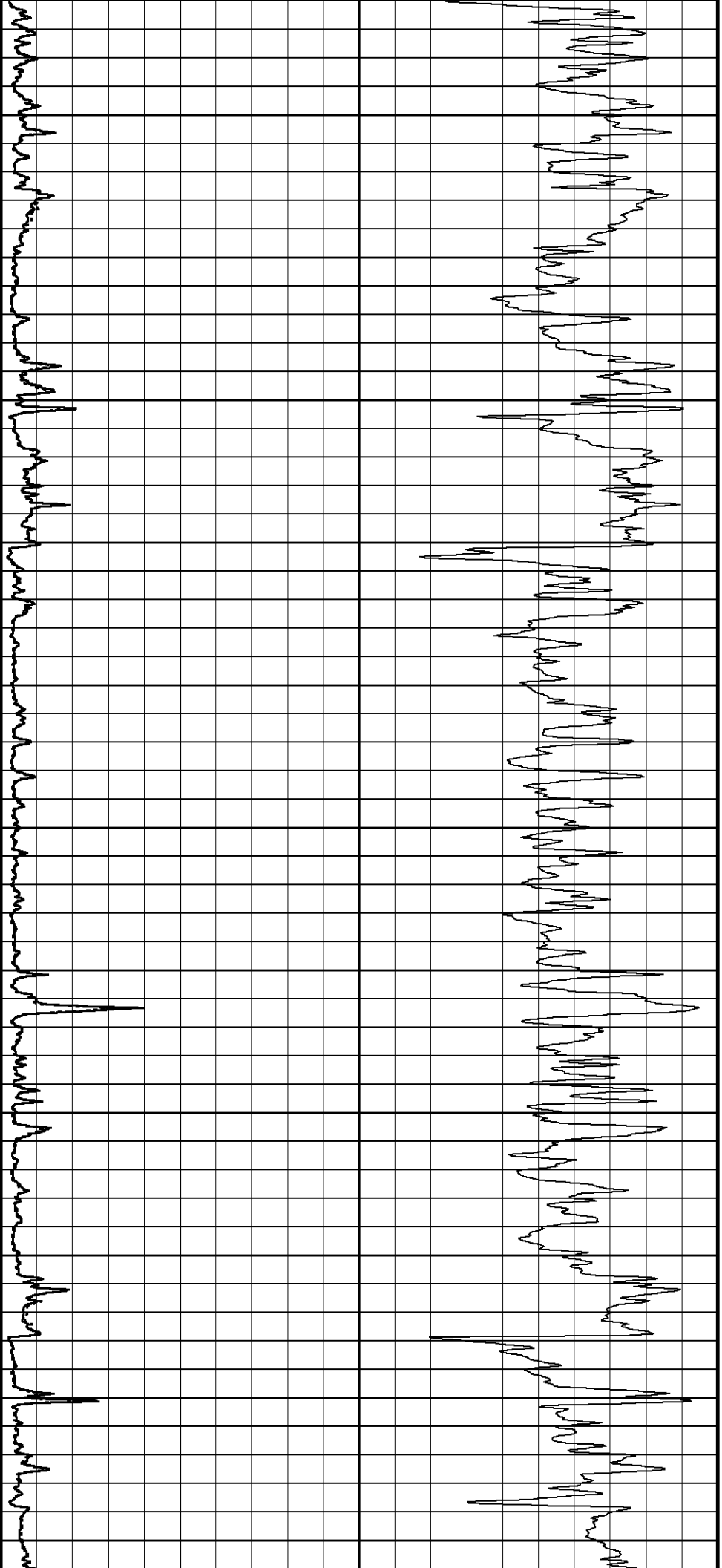
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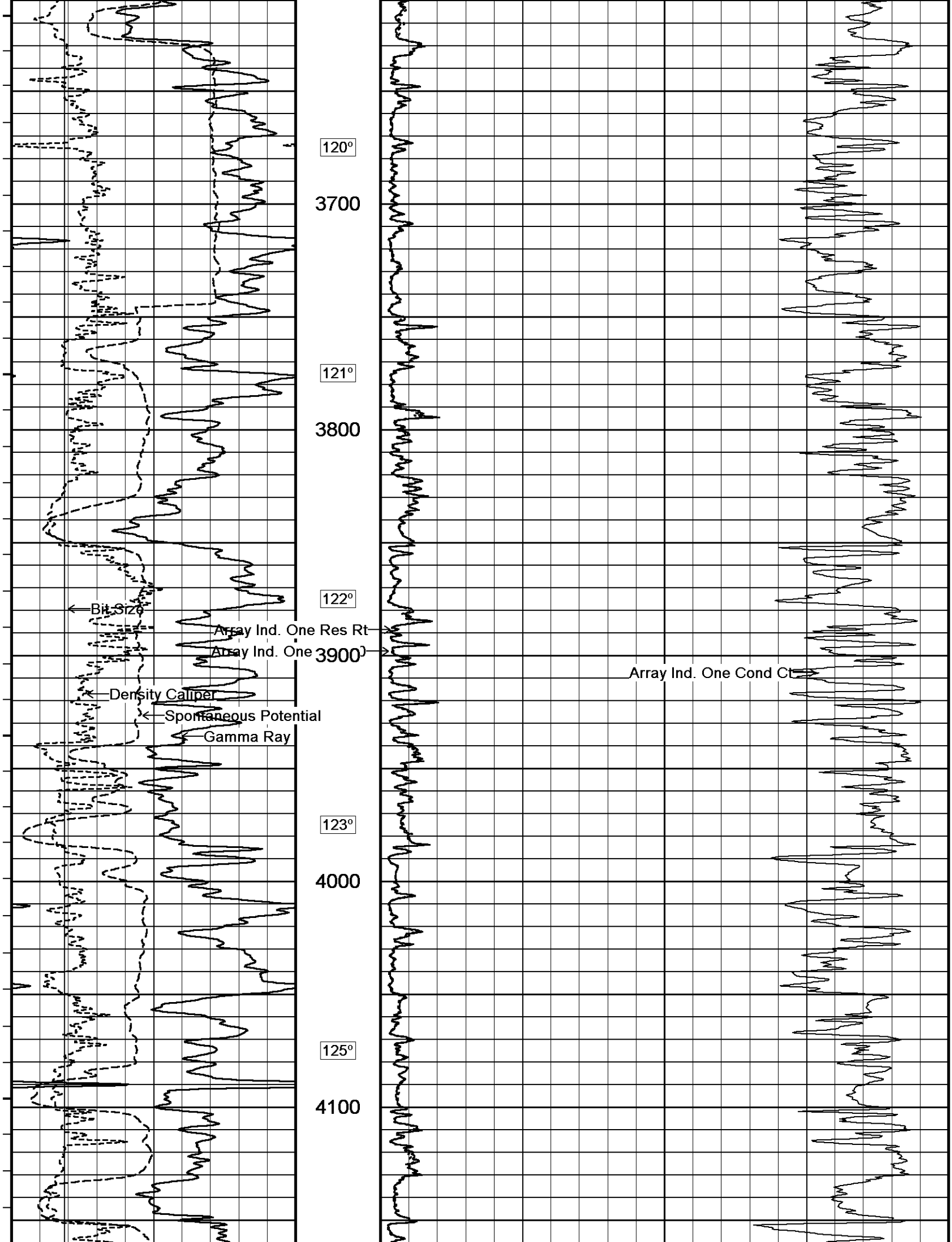
117°

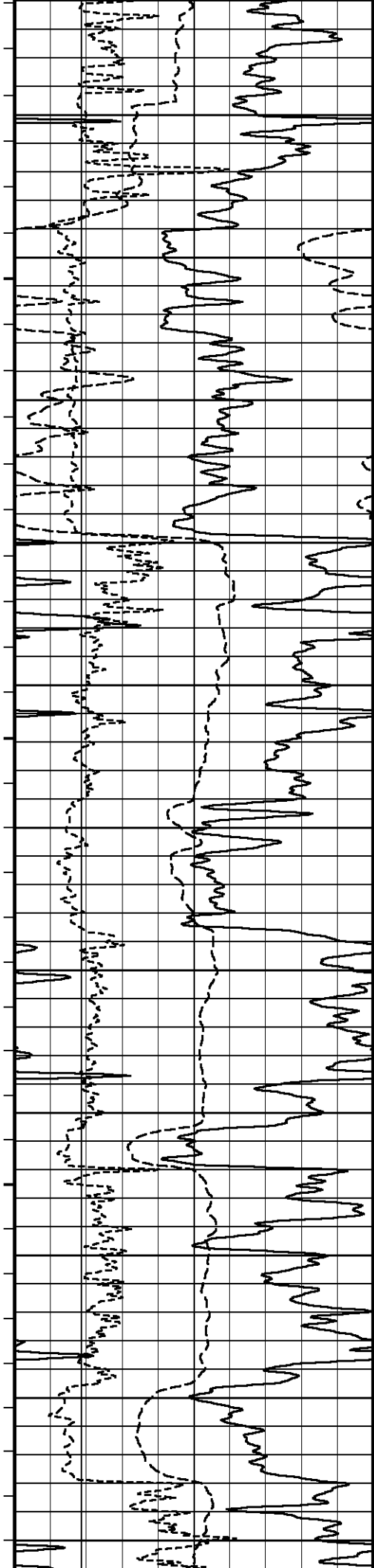
3500

118°

3600







126°

4200

127°

4300

128°

4400

130°

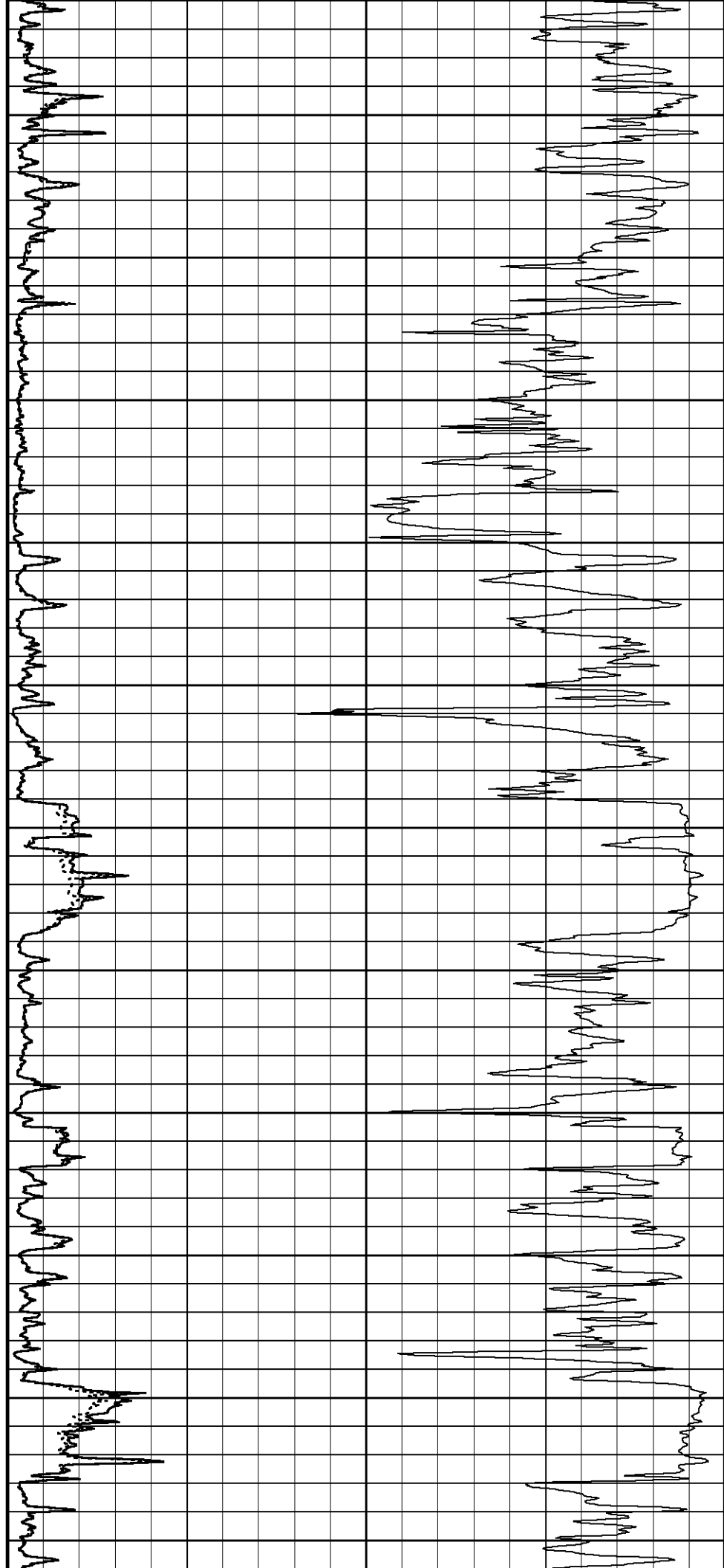
4500

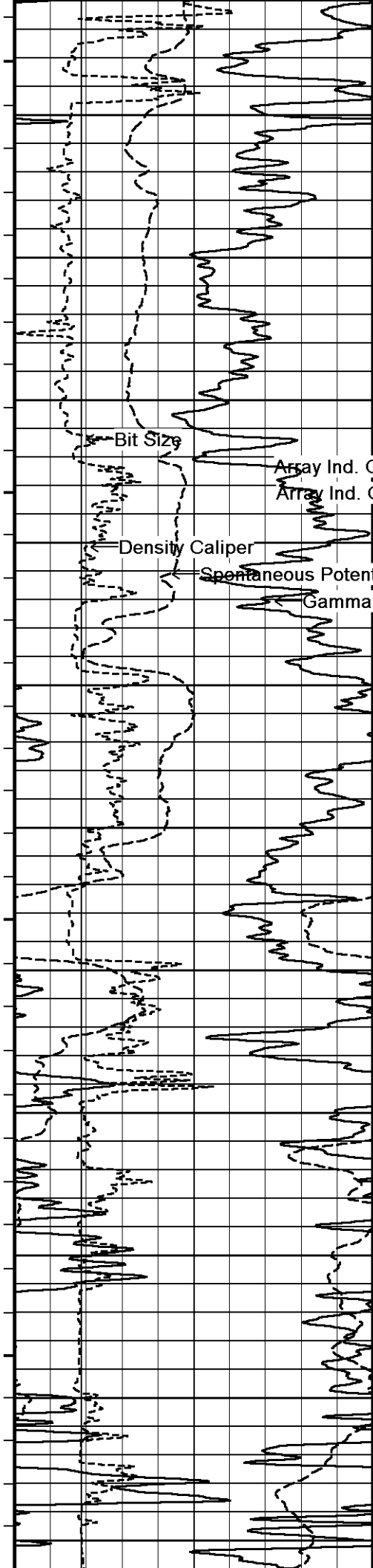
131°

4600

132°

4700





133°

4800

4900

136°

5000

137°

5100

138°

5200

Bit Size

Density Caliper

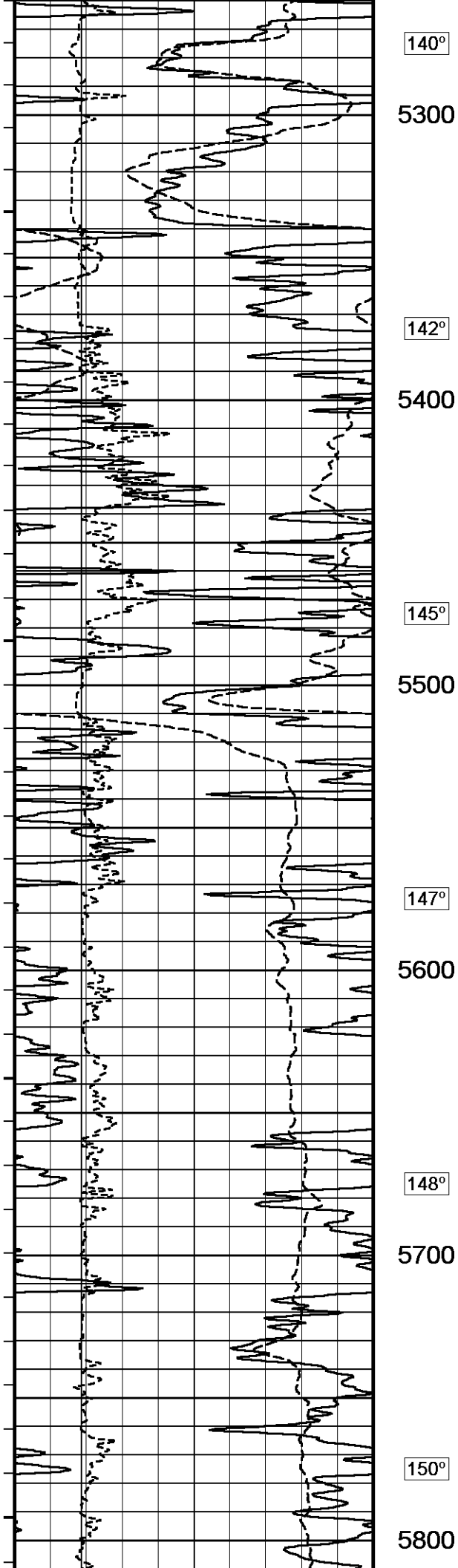
Spontaneous Potential

Gamma Ray

Array Ind. One Res Rt

Array Ind. One Res 30

Array Ind. One Cond Ct



140°

5300

142°

5400

145°

5500

147°

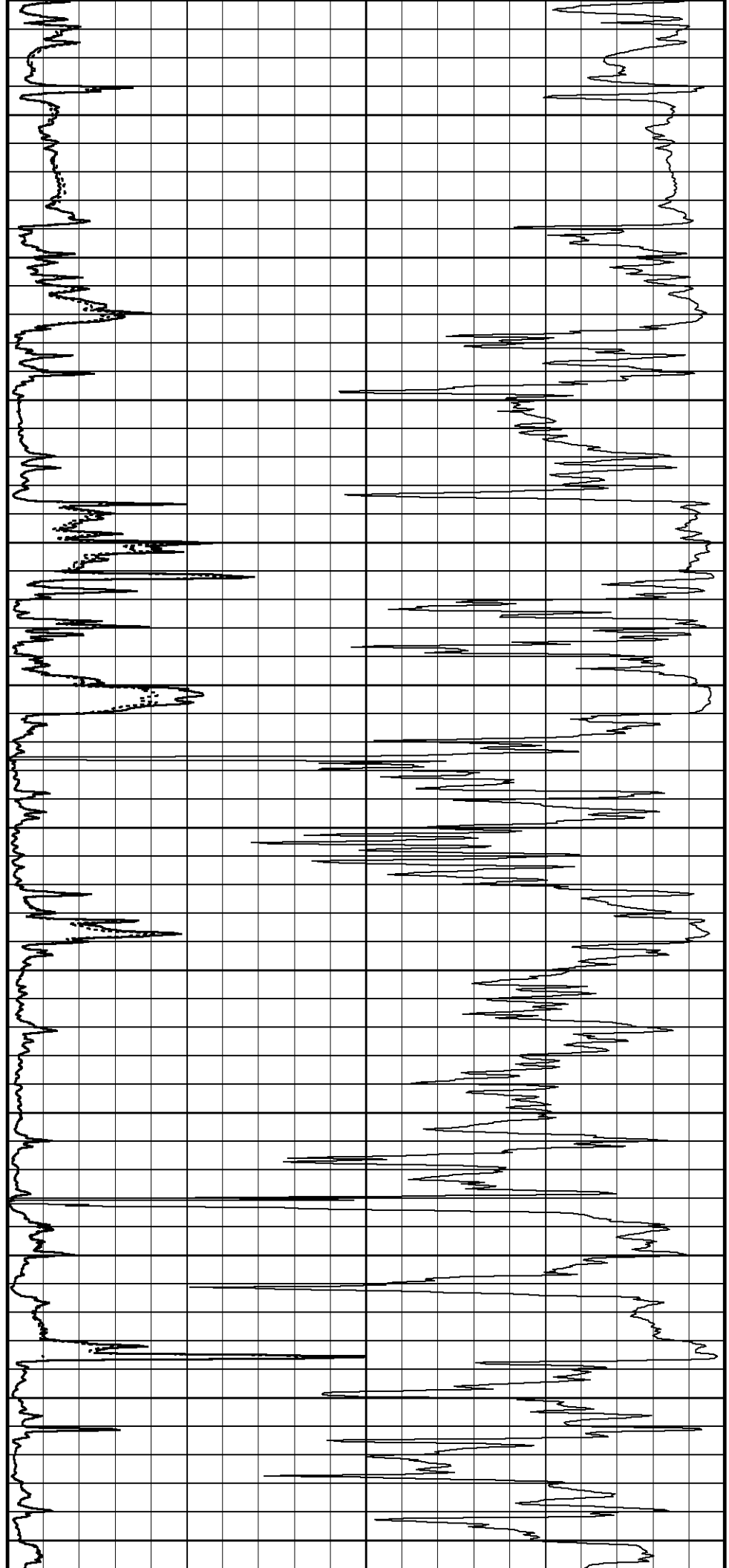
5600

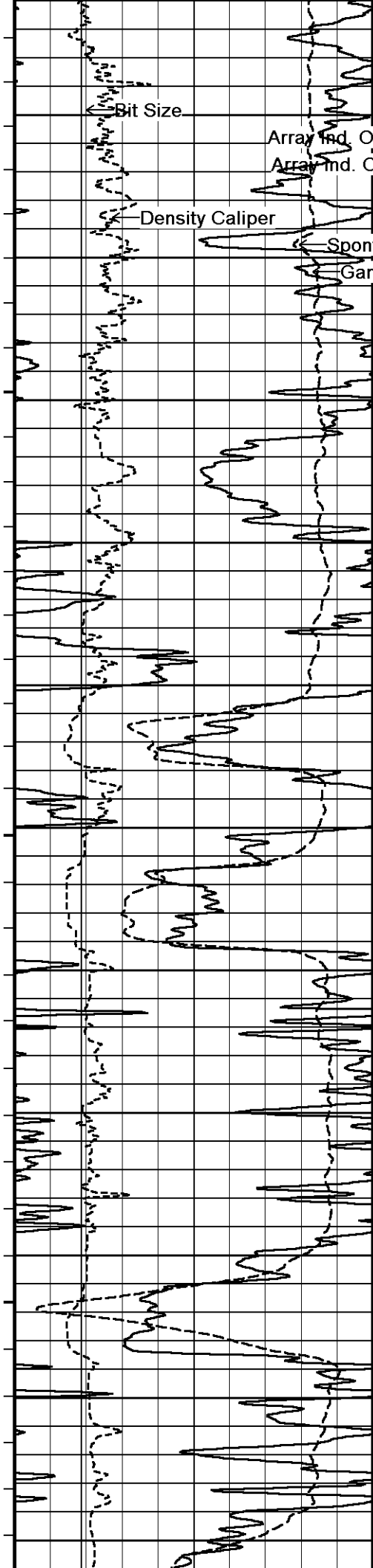
148°

5700

150°

5800





Bit Size
Array Ind. One Res Rt
Array Ind. One Res 30
152°

Density Caliper

Spontaneous Potential
Gamma Ray

5900

153°

6000

154°

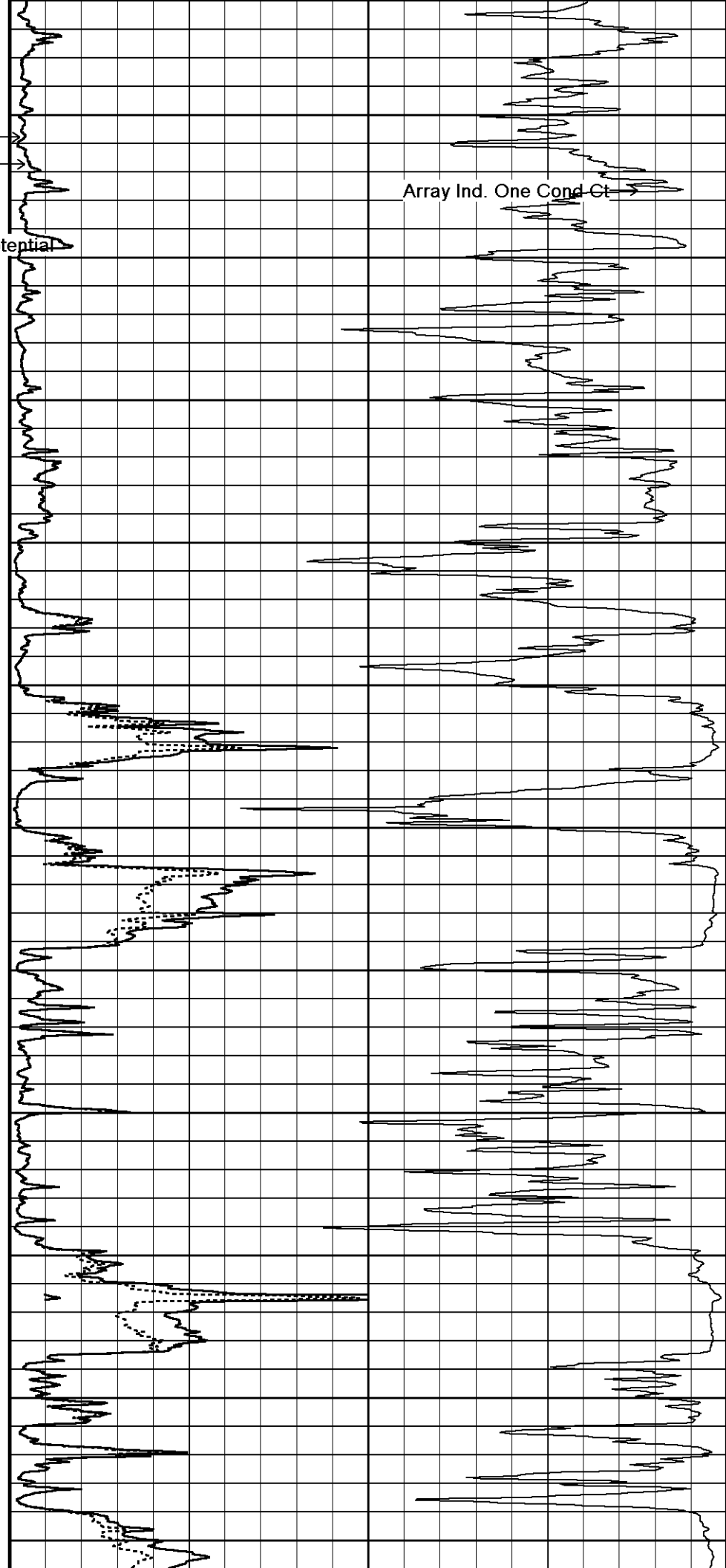
6100

156°

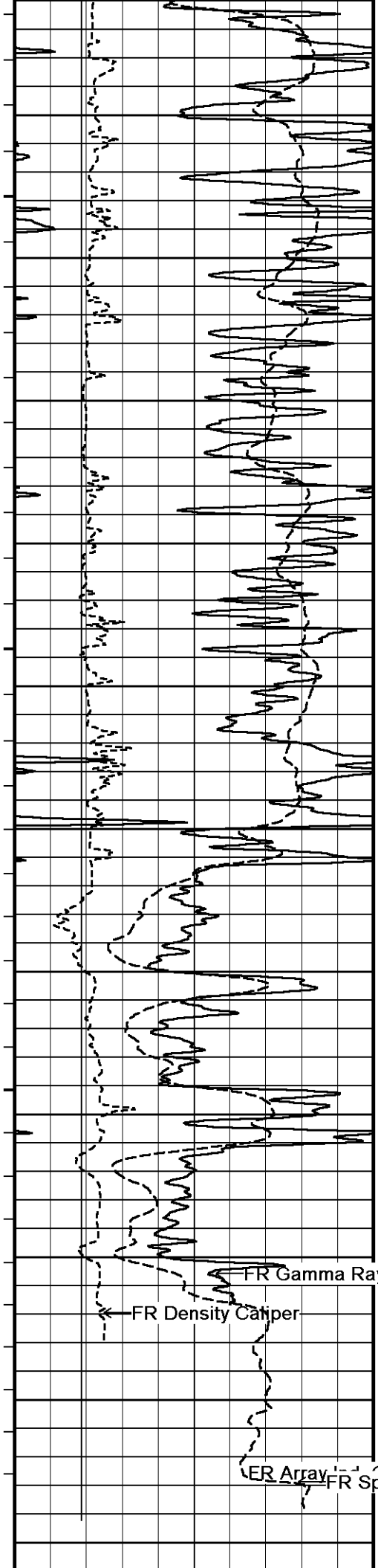
6200

158°

6300



Array Ind. One Cond Ct



159°

6400

161°

6500

162°

6600

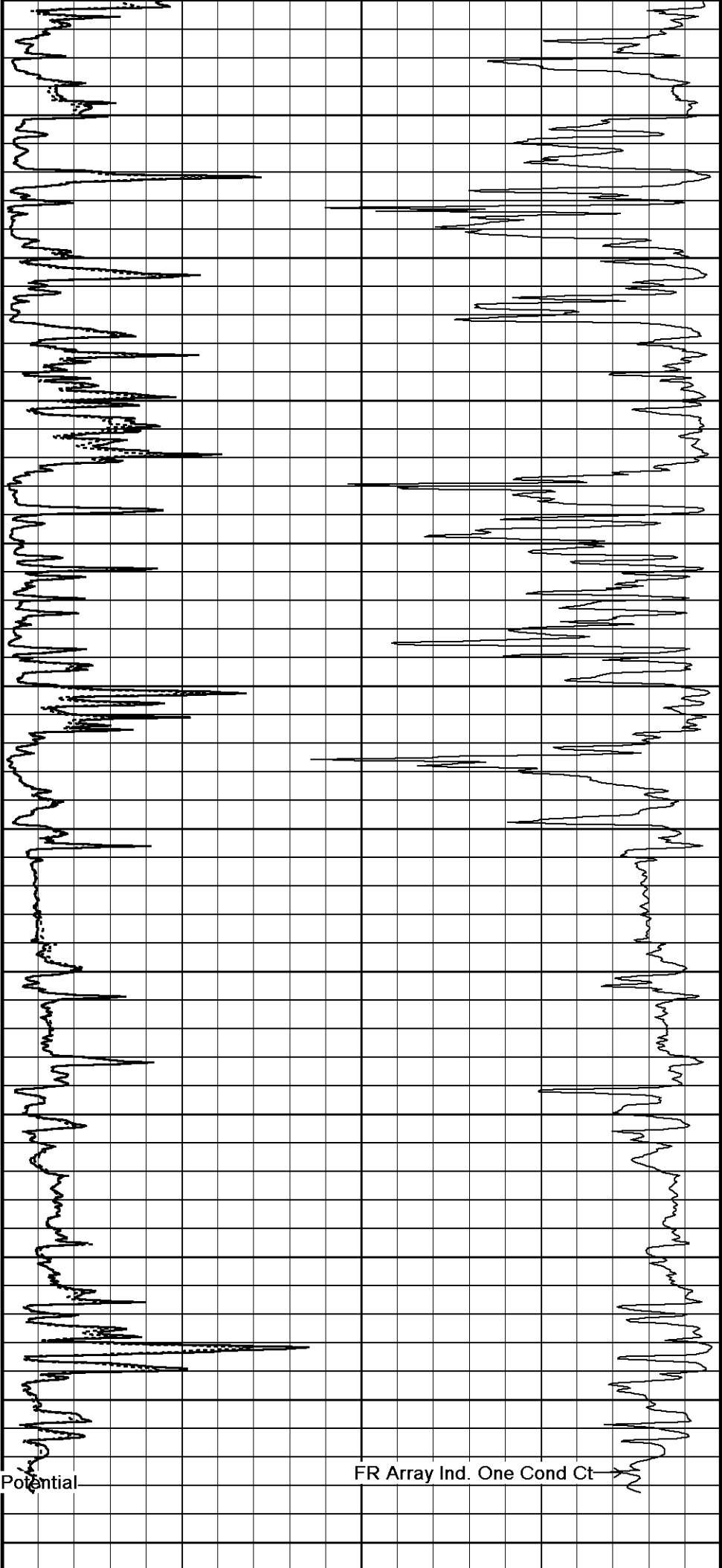
165°

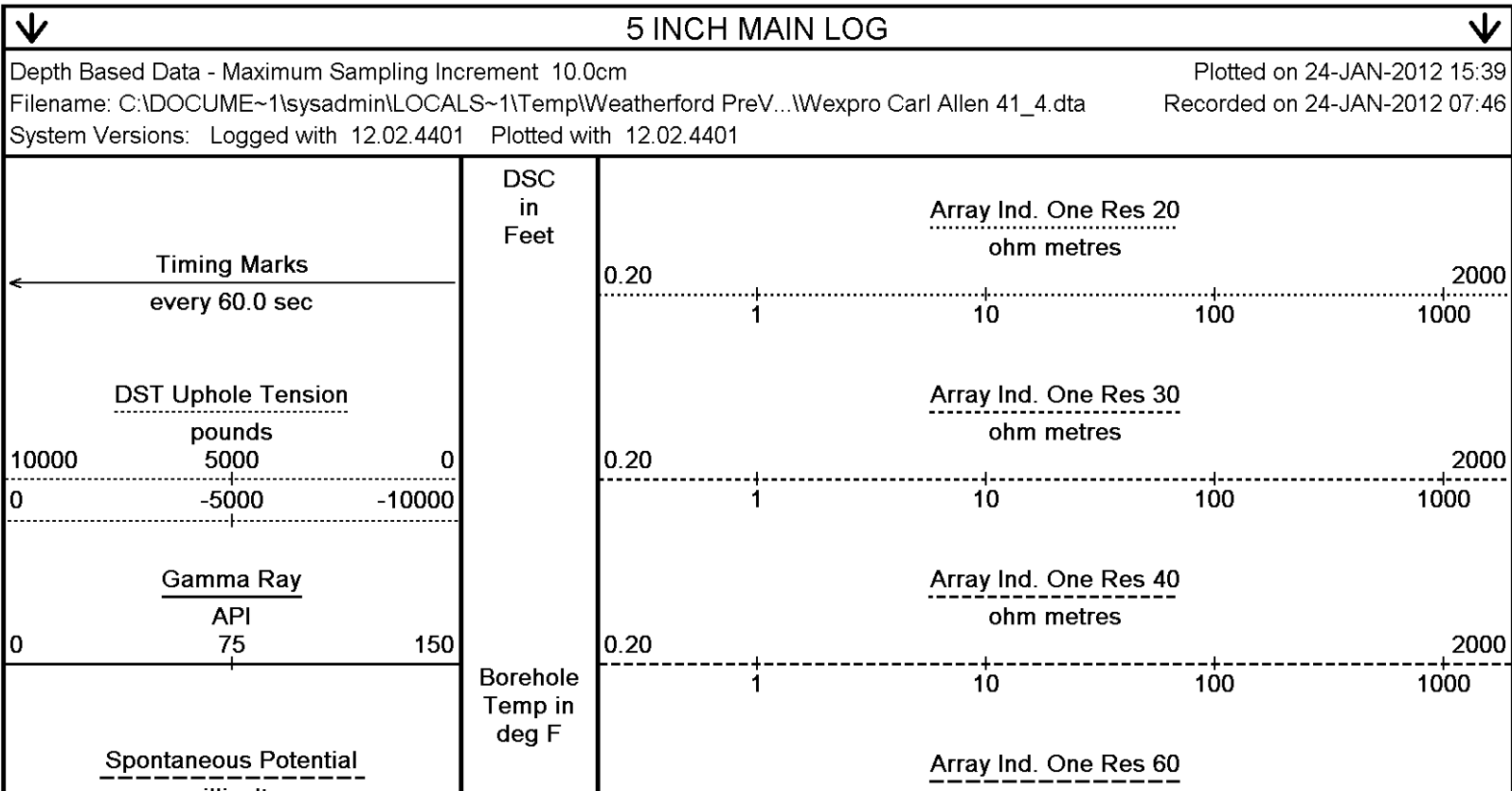
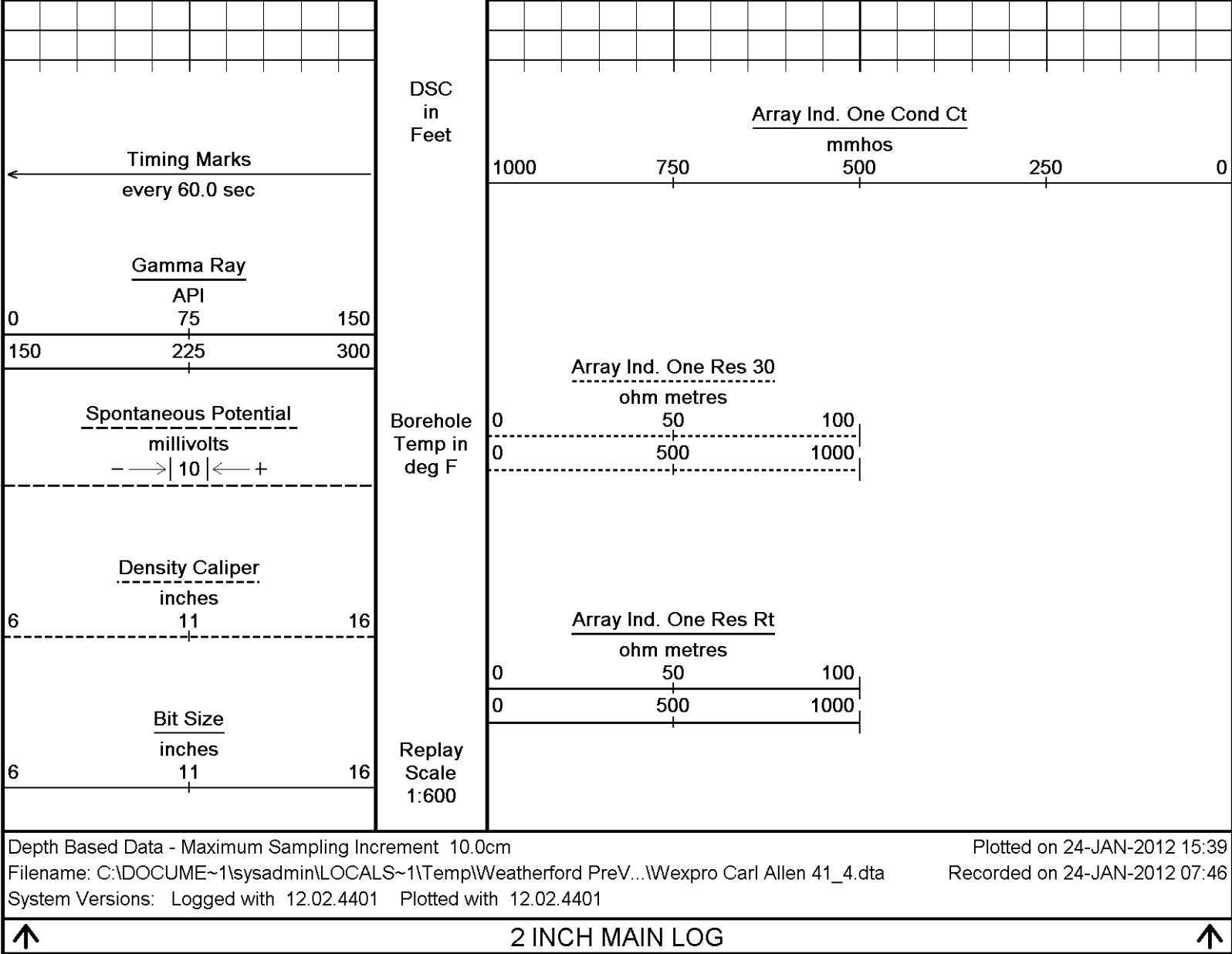
6700

165°

6800

6900





millivolts

—→| 10 |←— +

Density Caliper
inches

6 11 16

Bit Size
inches

6 11 16

Replay
Scale
1:240

1526
Casing
Shoe

1550

96°

1600

96°

1650

97°

0.20

ohm metres

2000

1

10

100

1000

Array Ind. One Res 85
ohm metres

0.20

2000

1

10

100

1000

Array Ind. One Res Rt
ohm metres

0.20

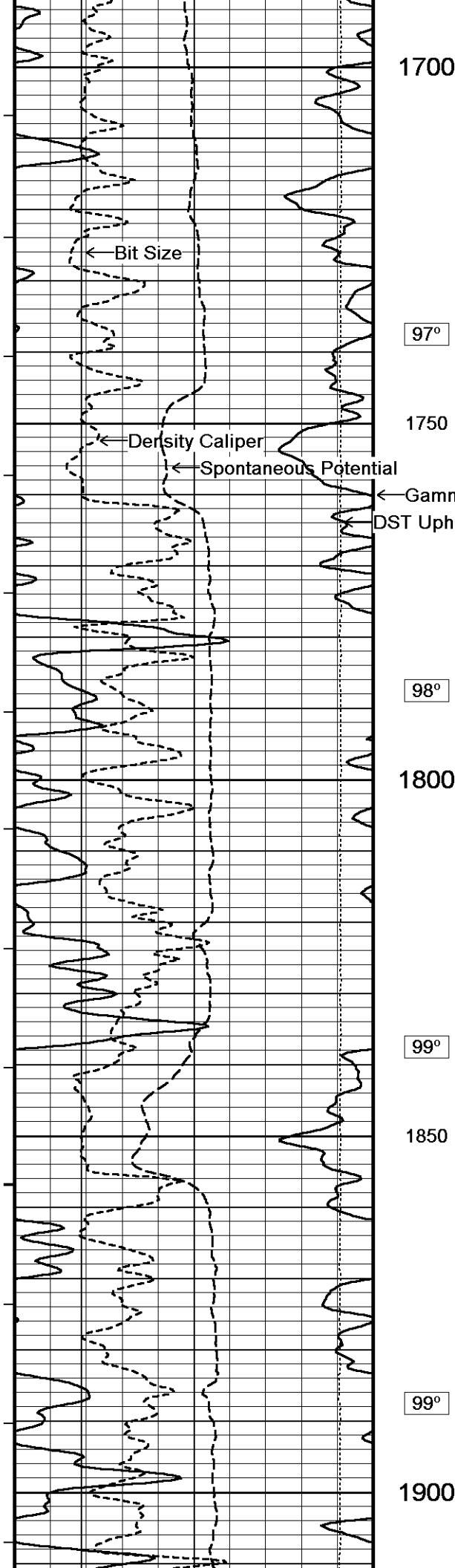
2000

1

10

100

1000



1700

97°

1750

98°

1800

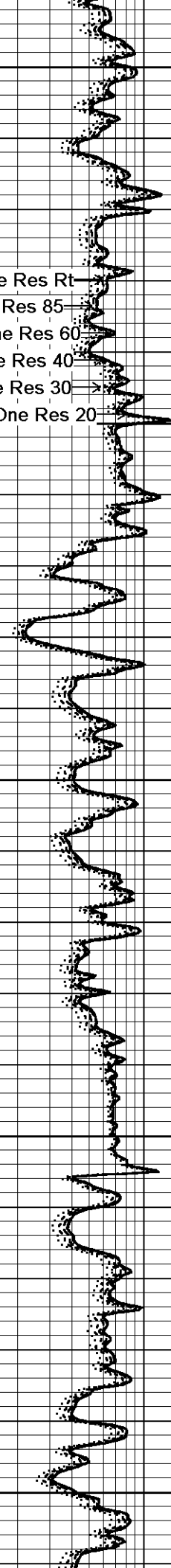
99°

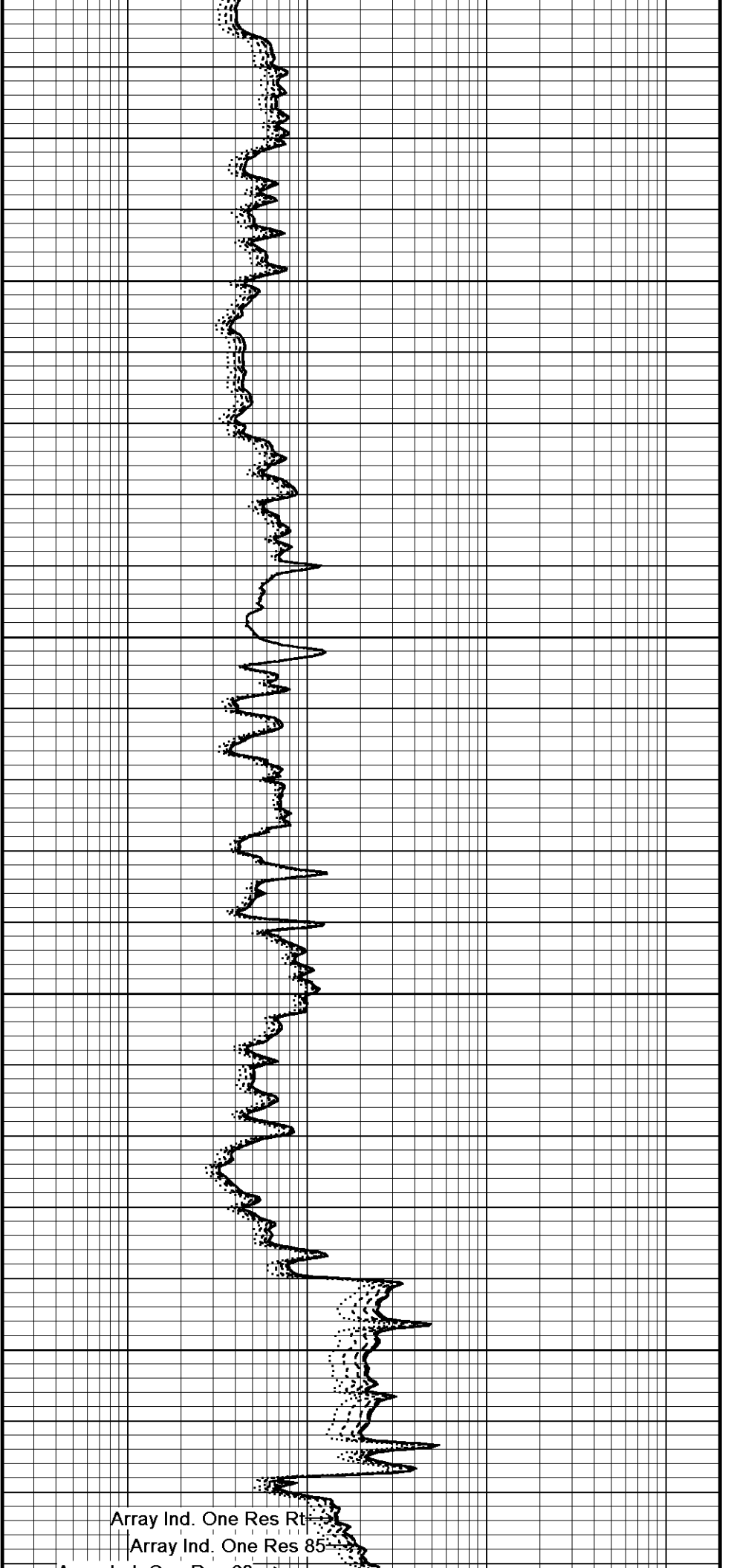
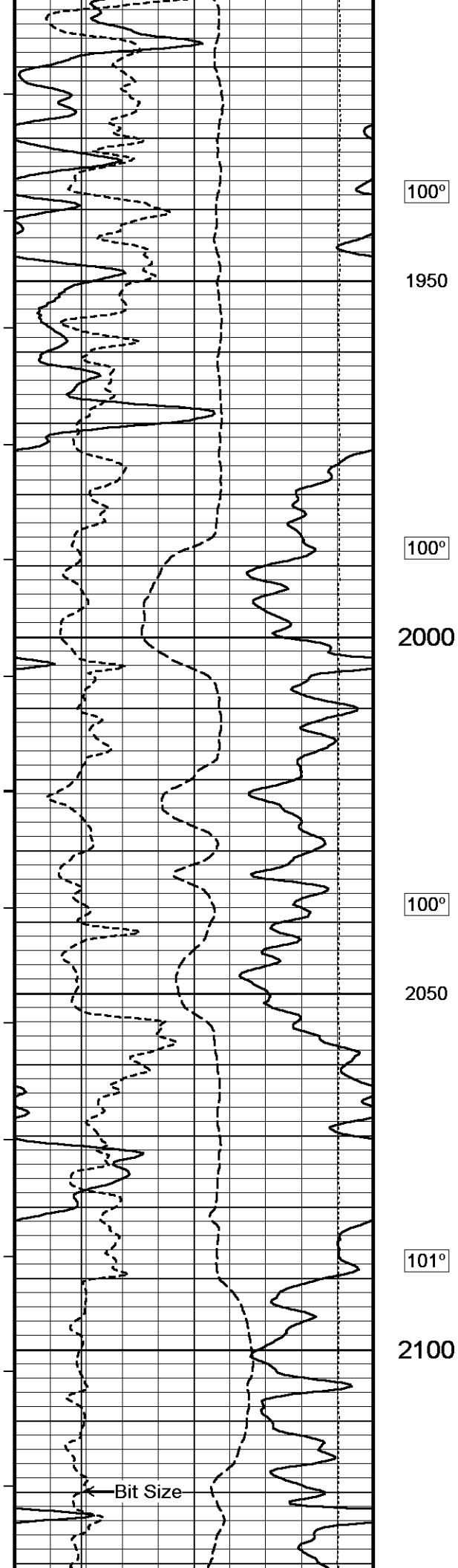
1850

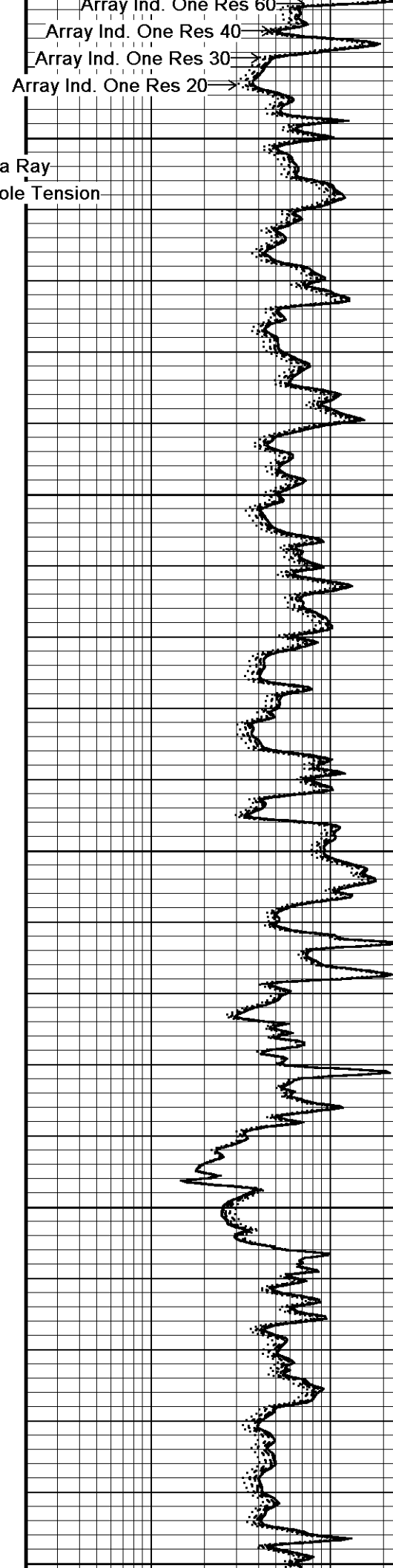
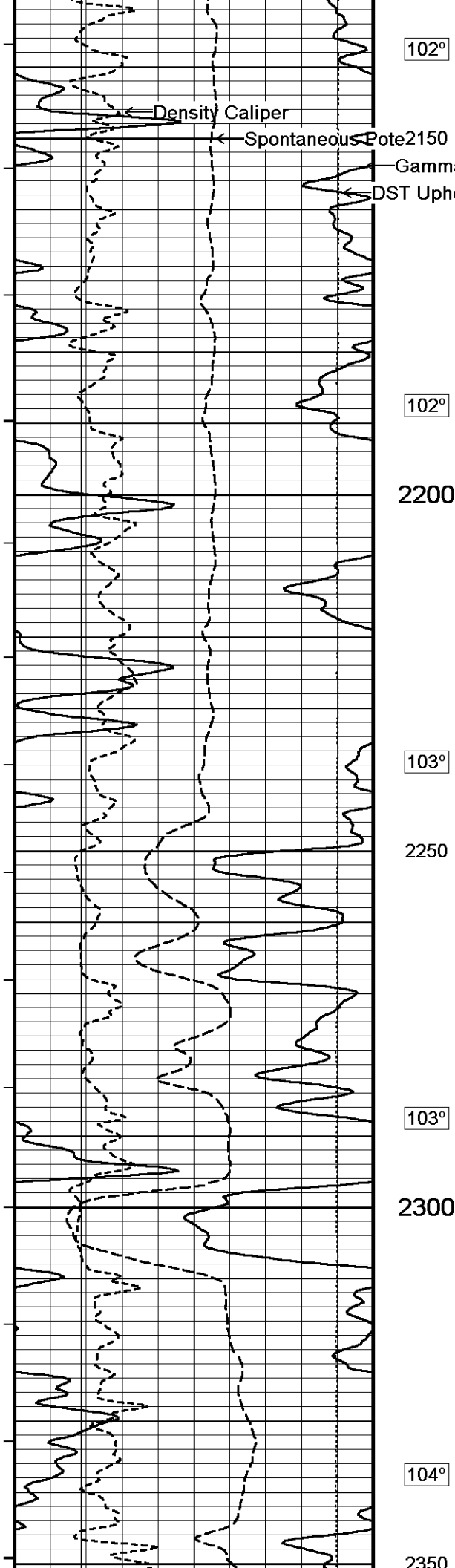
99°

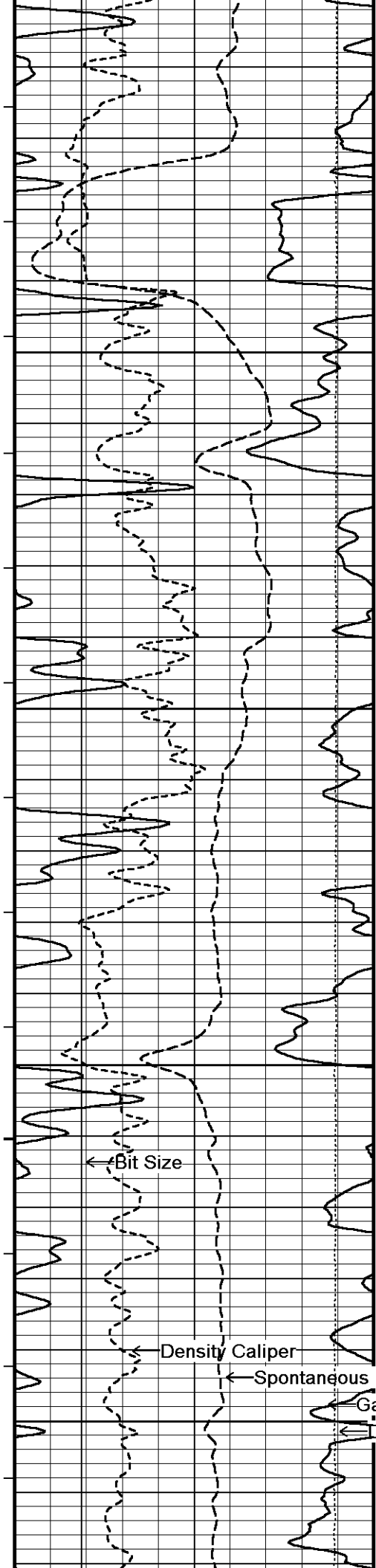
1900

Array Ind. One Res Rt
Array Ind. One Res 85
Array Ind. One Res 60
Array Ind. One Res 40
Array Ind. One Res 30
Array Ind. One Res 20









104°

2400

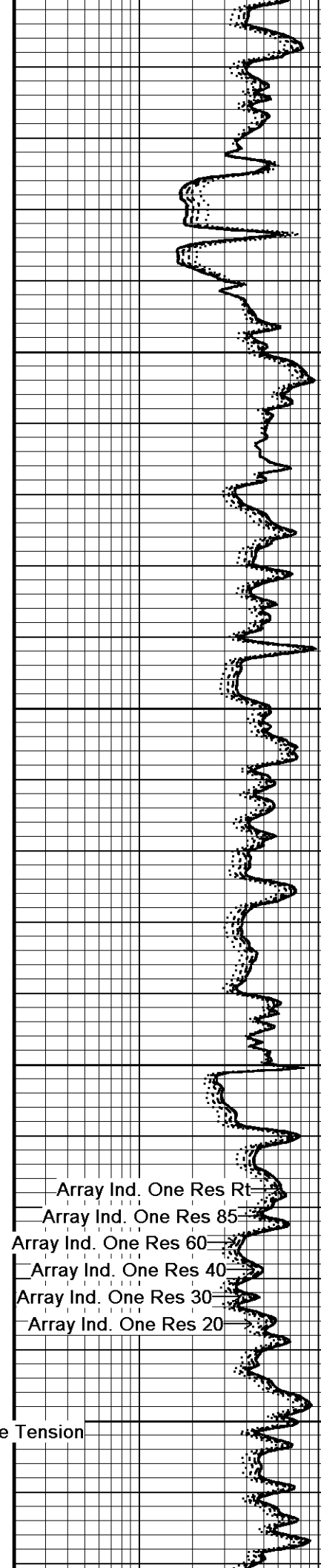
105°

2450

106°

2500

107°



Array Ind. One Res Rt

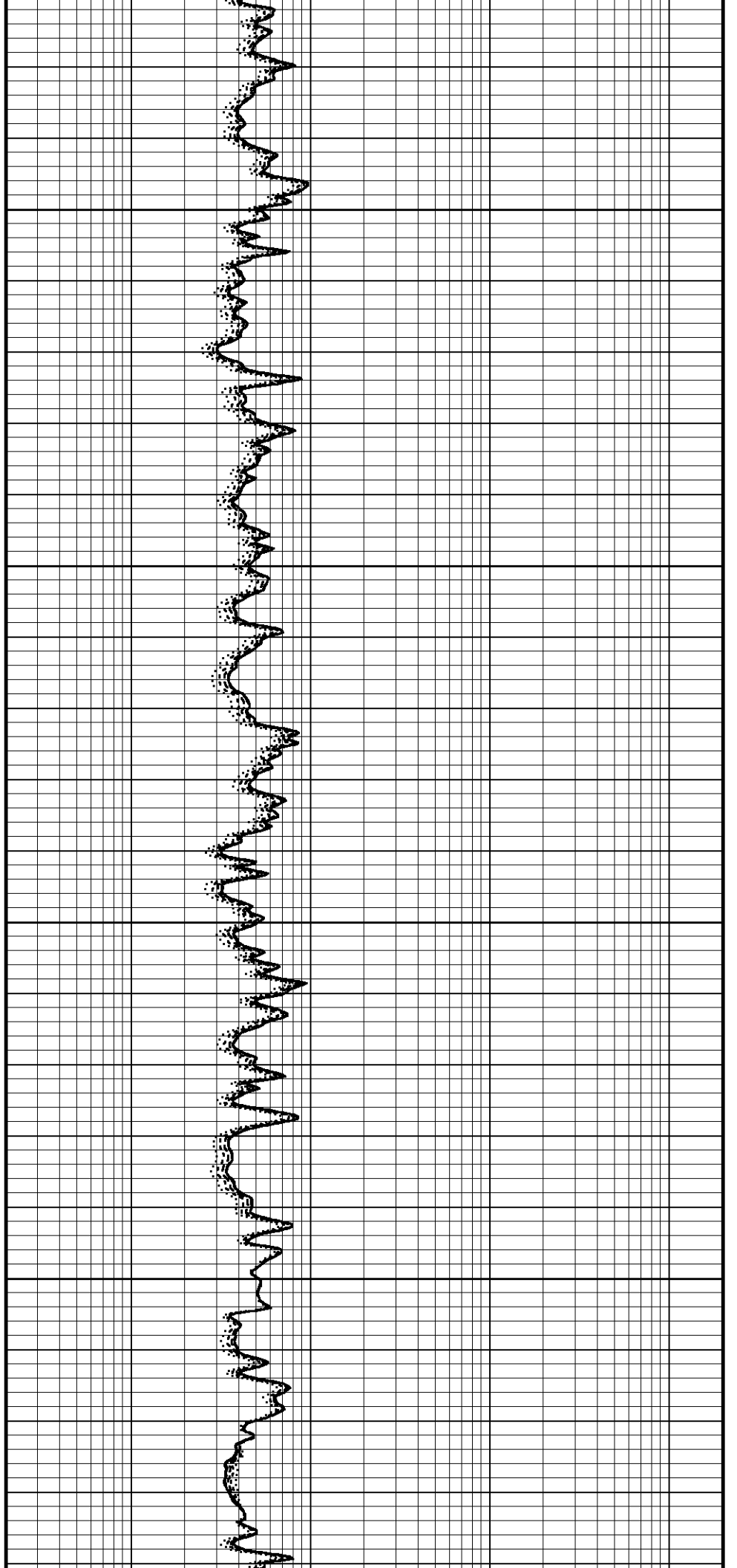
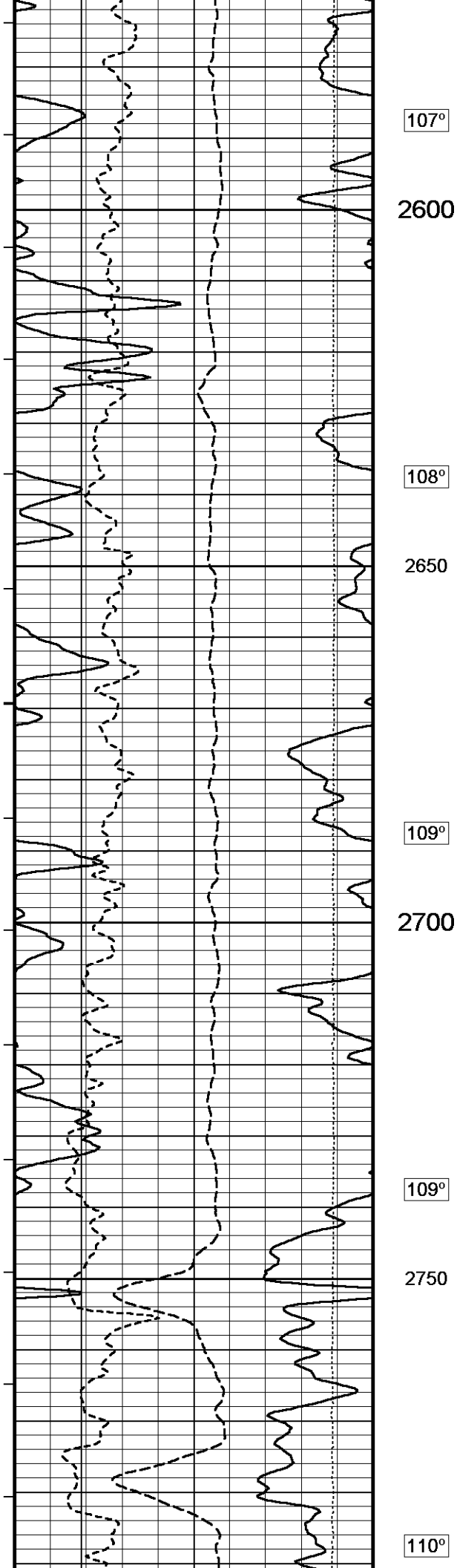
Array Ind. One Res 85

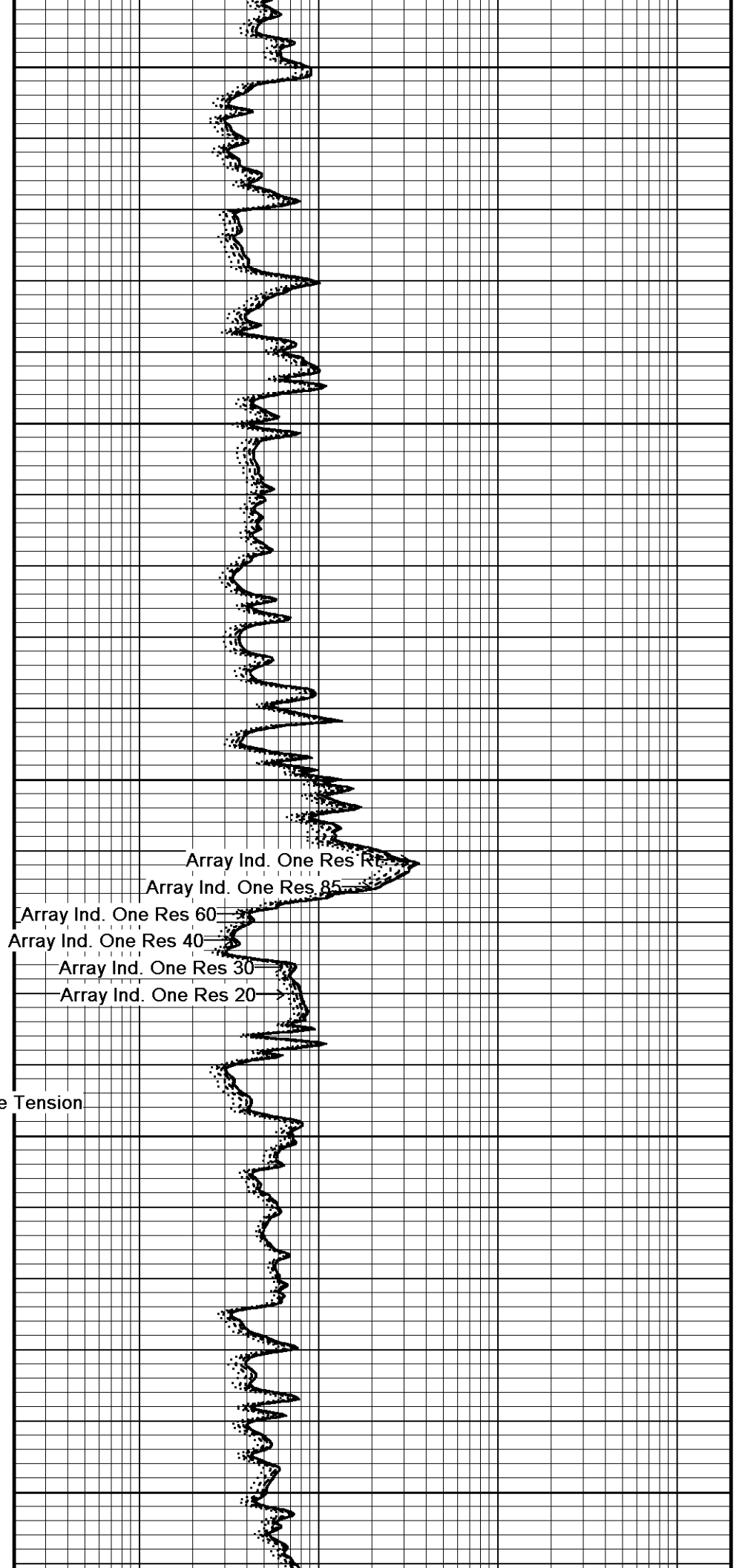
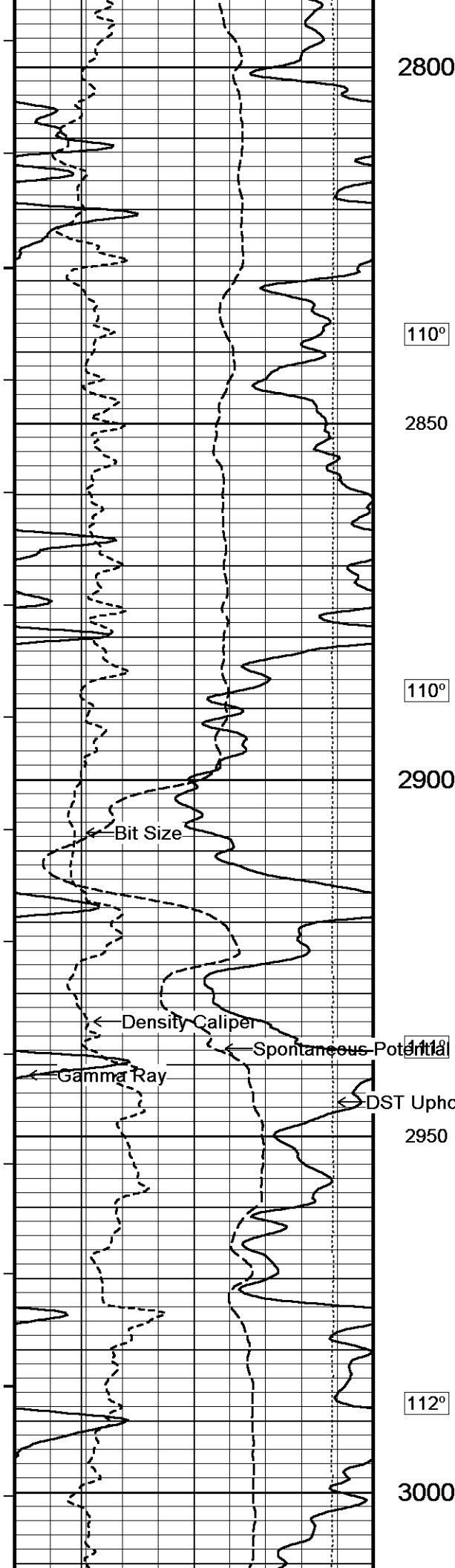
Array Ind. One Res 60

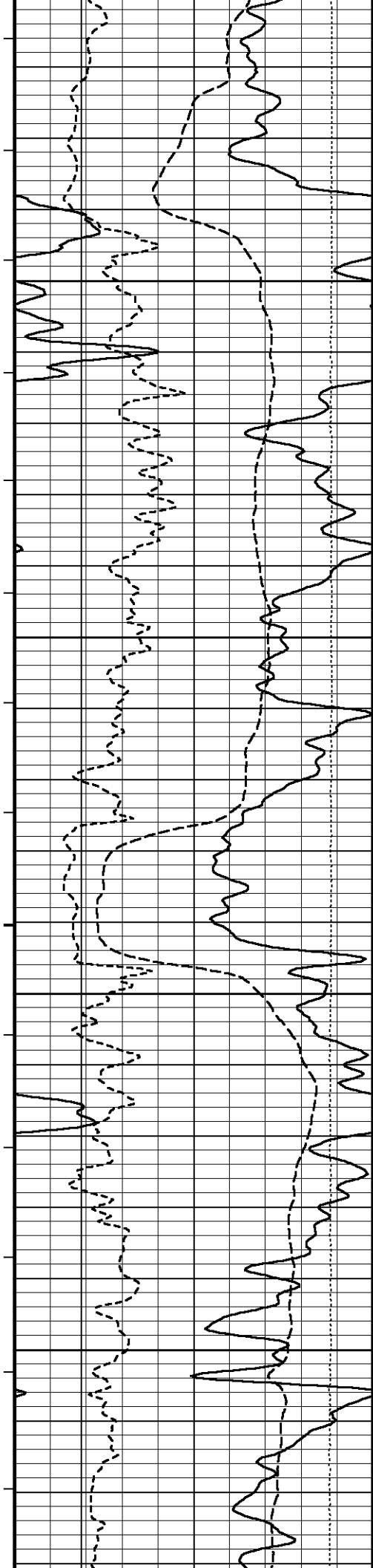
Array Ind. One Res 40

Array Ind. One Res 30

Array Ind. One Res 20







112°

3050

113°

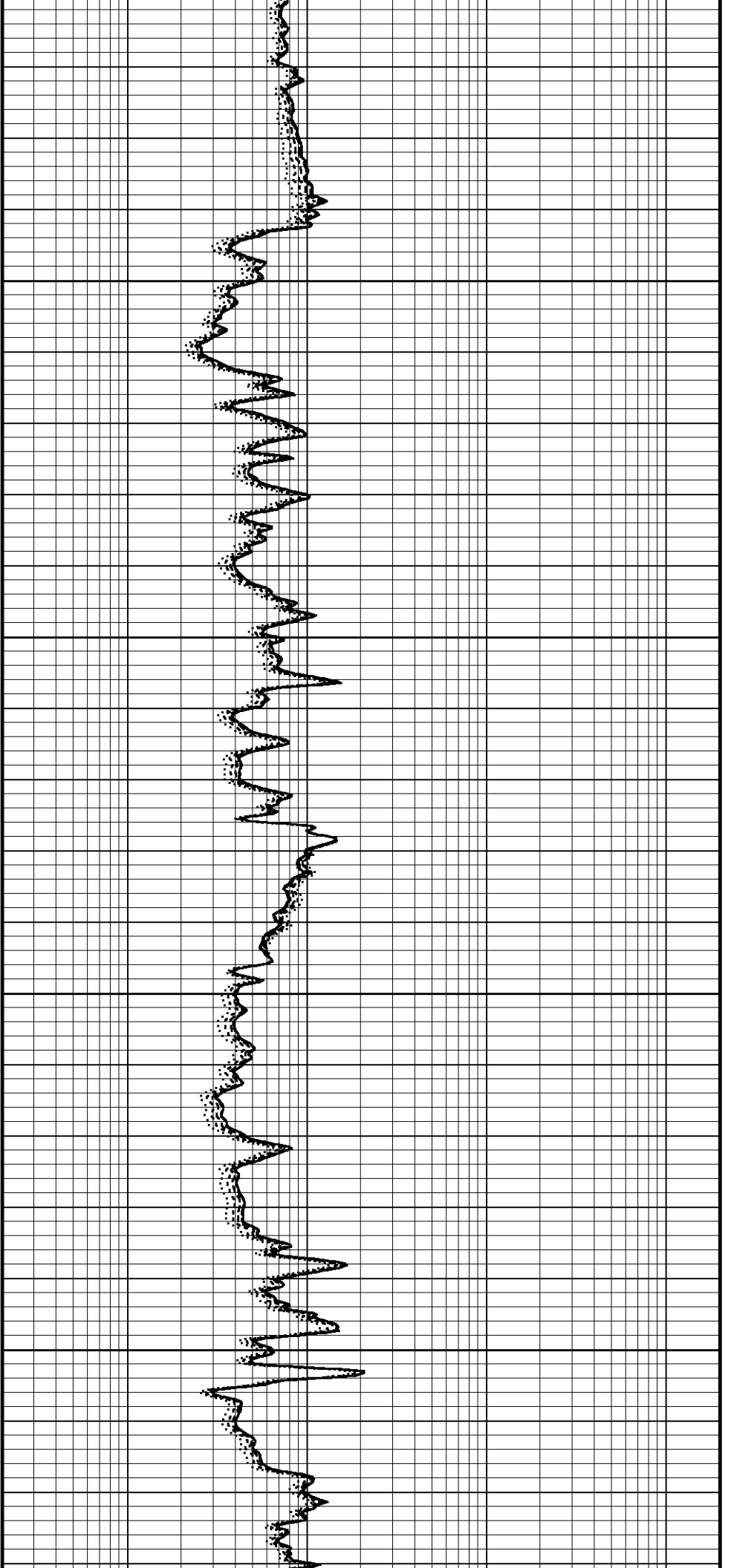
3100

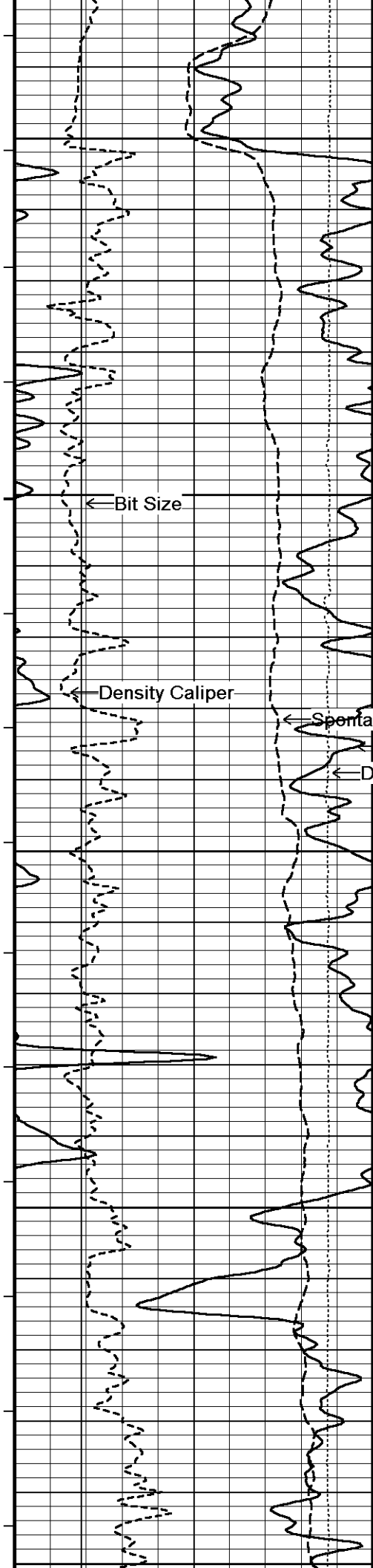
113°

3150

114°

3200





115°

3250

116°

3300

← Bit Size

← Density Caliper

← Spontaneous Potential

← Gamma Ray

← DST Up-hole Tension

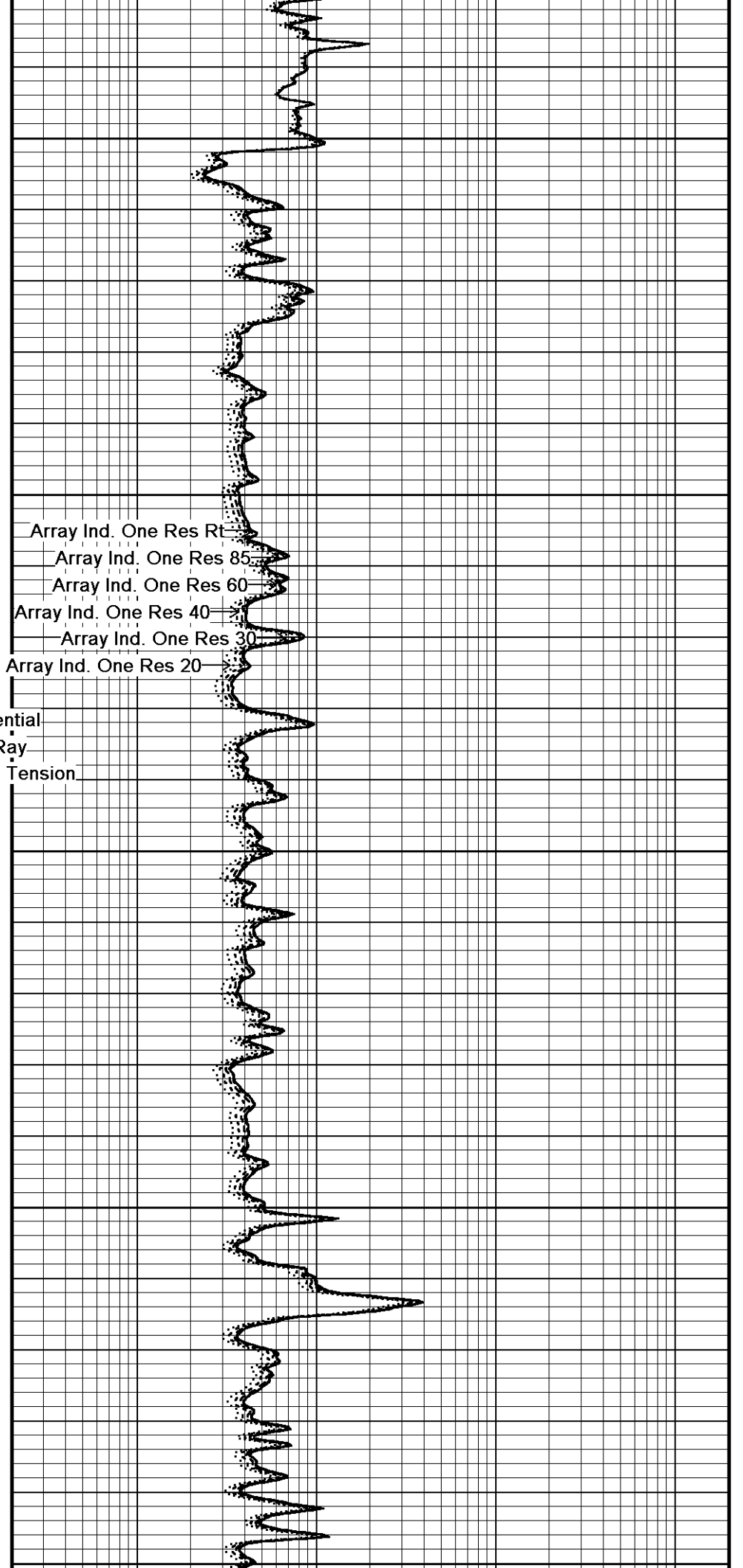
3350

117°

3400

117°

3450



Array Ind. One Res Rt

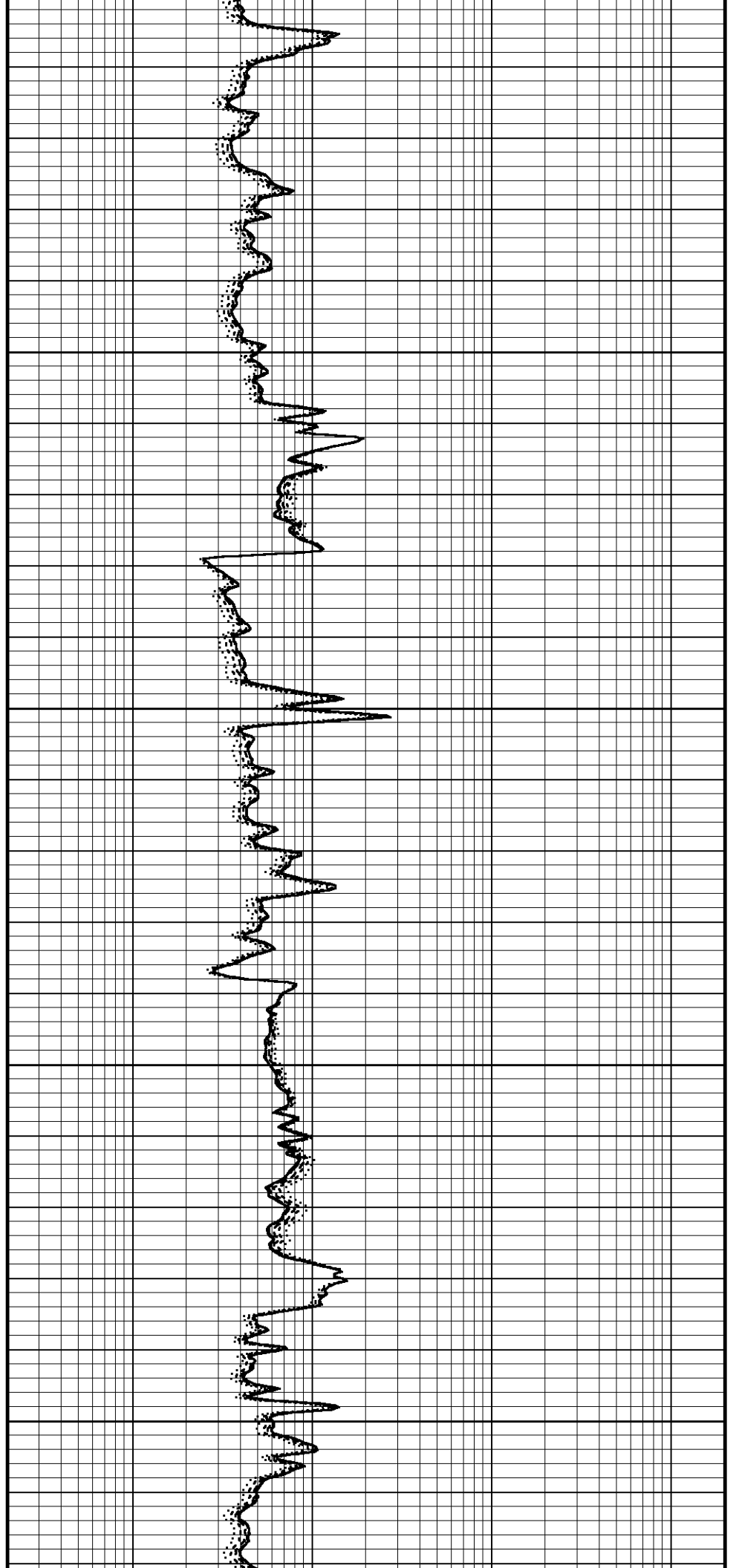
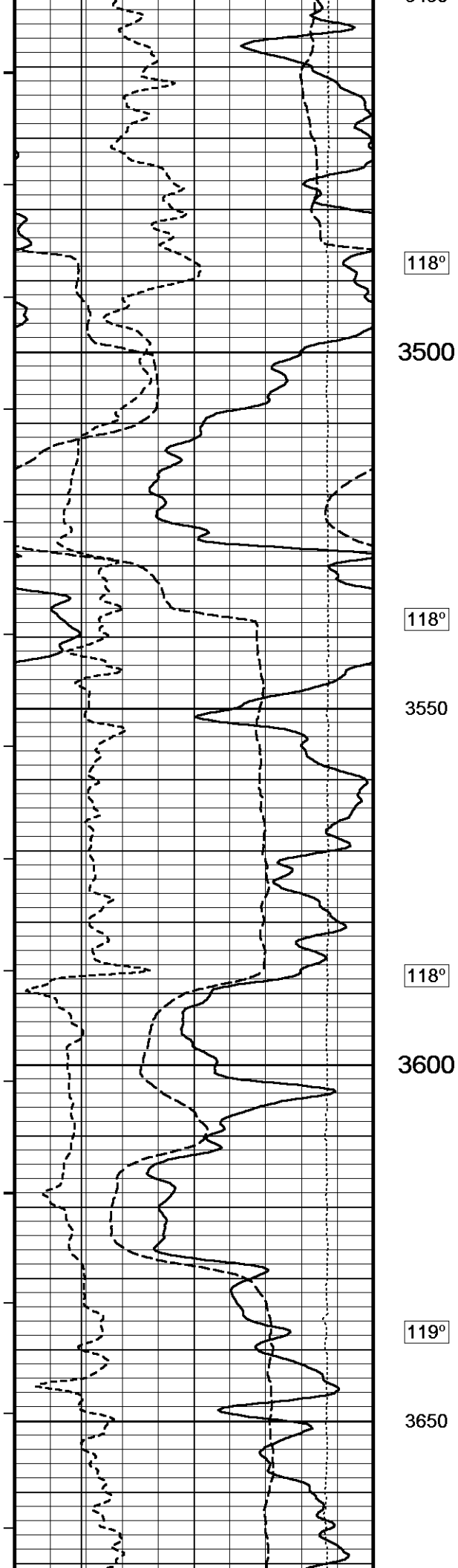
Array Ind. One Res 85

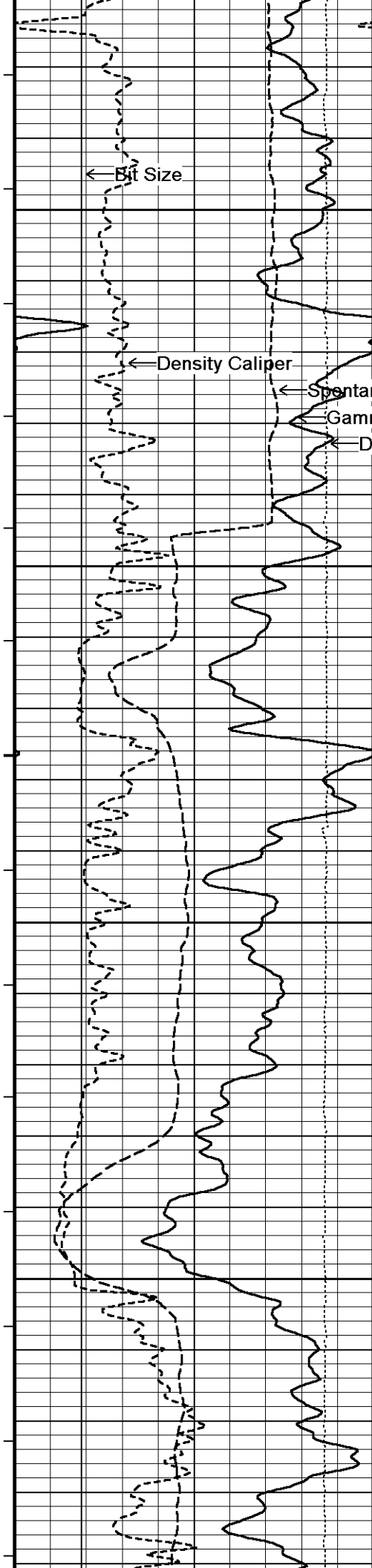
Array Ind. One Res 60

Array Ind. One Res 40

Array Ind. One Res 30

Array Ind. One Res 20





120°

3700

121°

3750

121°

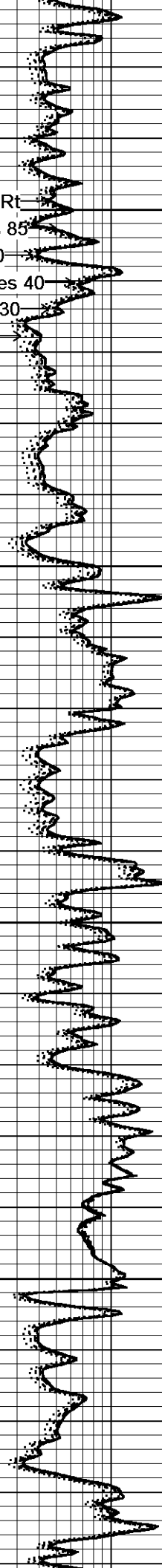
3800

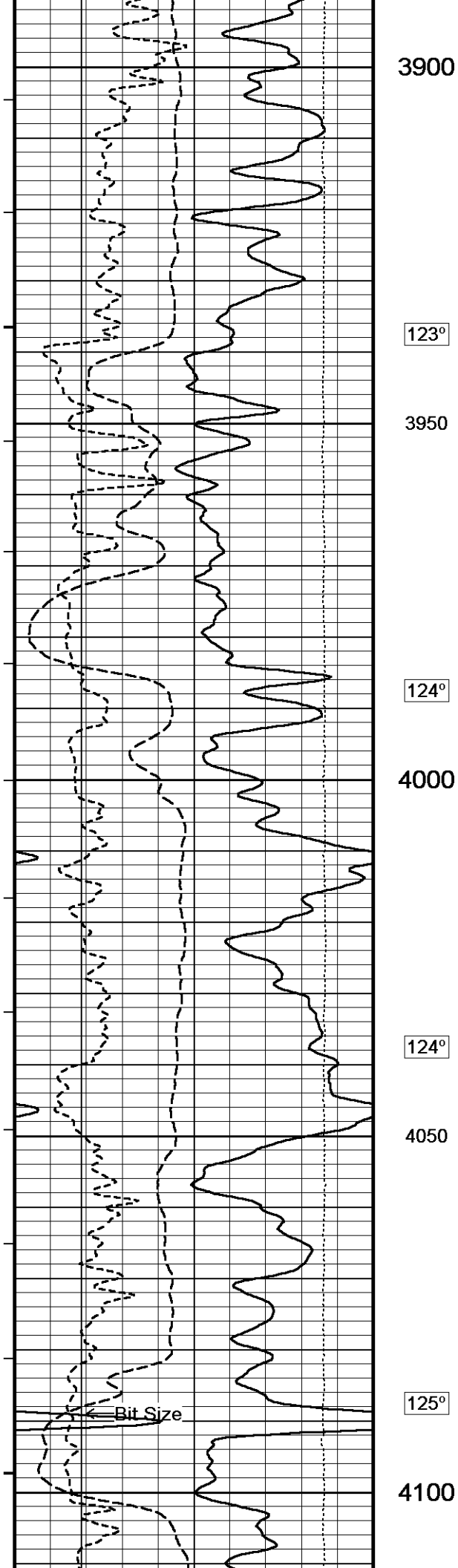
122°

3850

122°

Array Ind. One Res Rt
Array Ind. One Res 85
Array Ind. One Res 60
Array Ind. One Res 40
Array Ind. One Res 30
Array Ind. One Res 20





3900

123°

3950

124°

4000

124°

4050

125°

4100

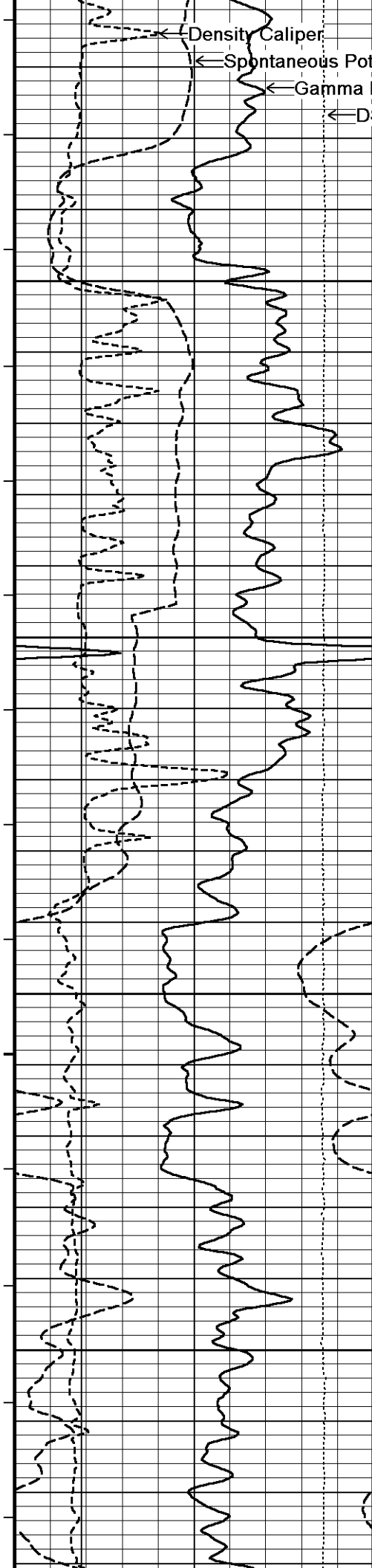
Array Ind. One Res Rt →

Array Ind. One Res 85 →

Array Ind. One Res 60 →

Array Ind. One Res 40 →

Array Ind. One Res 30 →



125°

4150

126°

4200

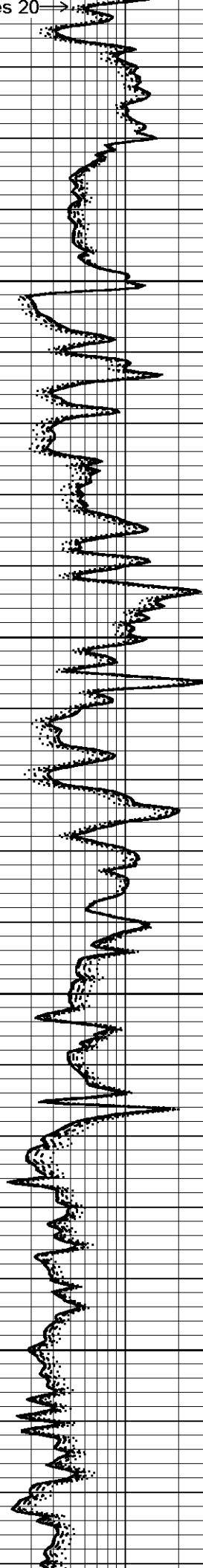
126°

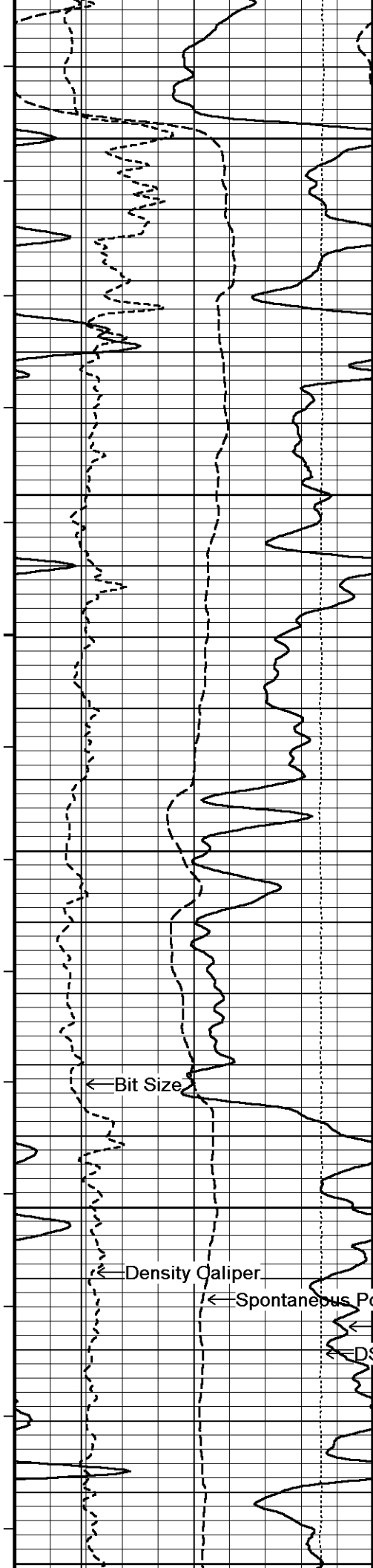
4250

127°

4300

Array Ind. One Res 20





128°

4350

129°

4400

129°

4450

130°

4500

130°

4550

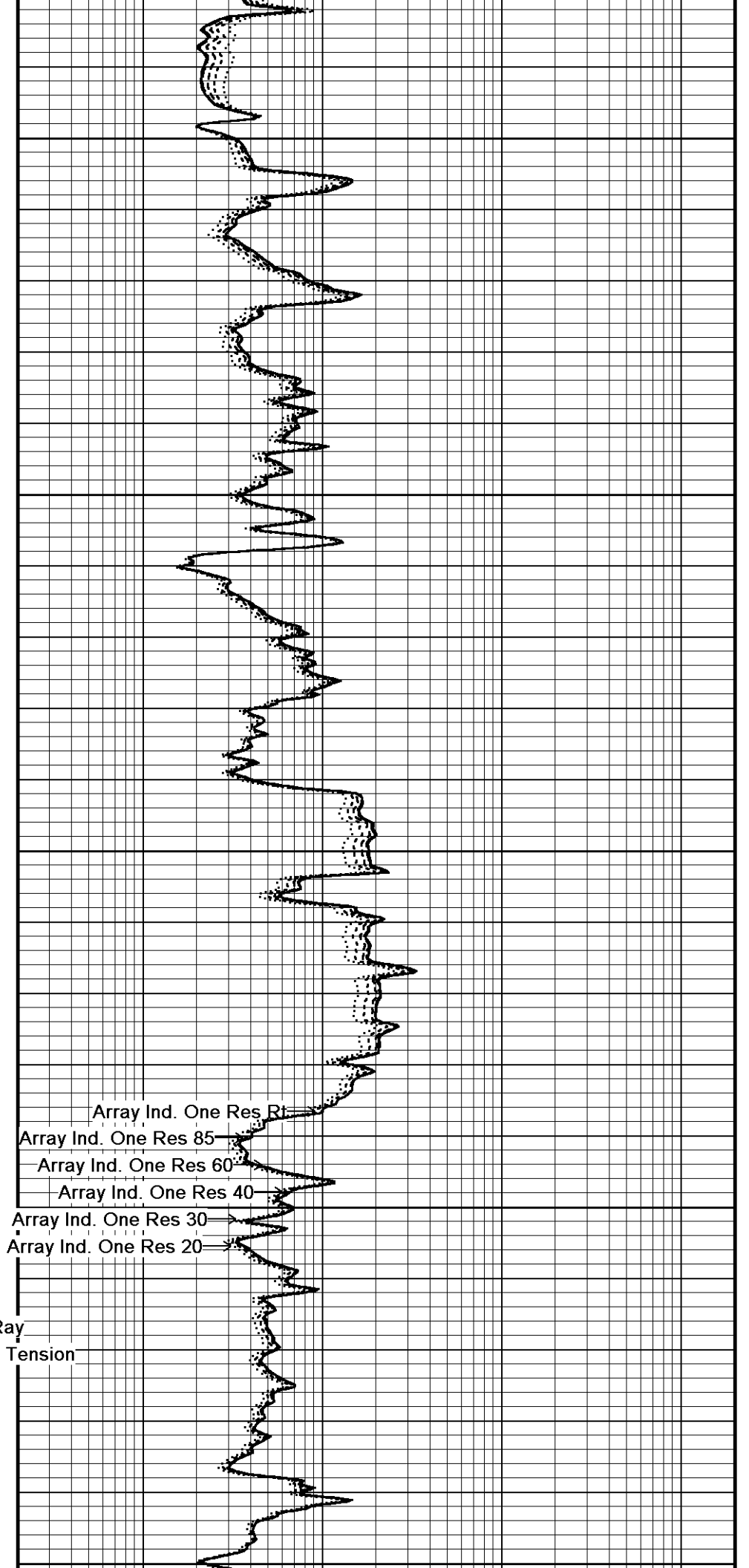
← Bit Size

← Density Caliper

← Spontaneous Potential

← Gamma Ray

← DST Uphole Tension



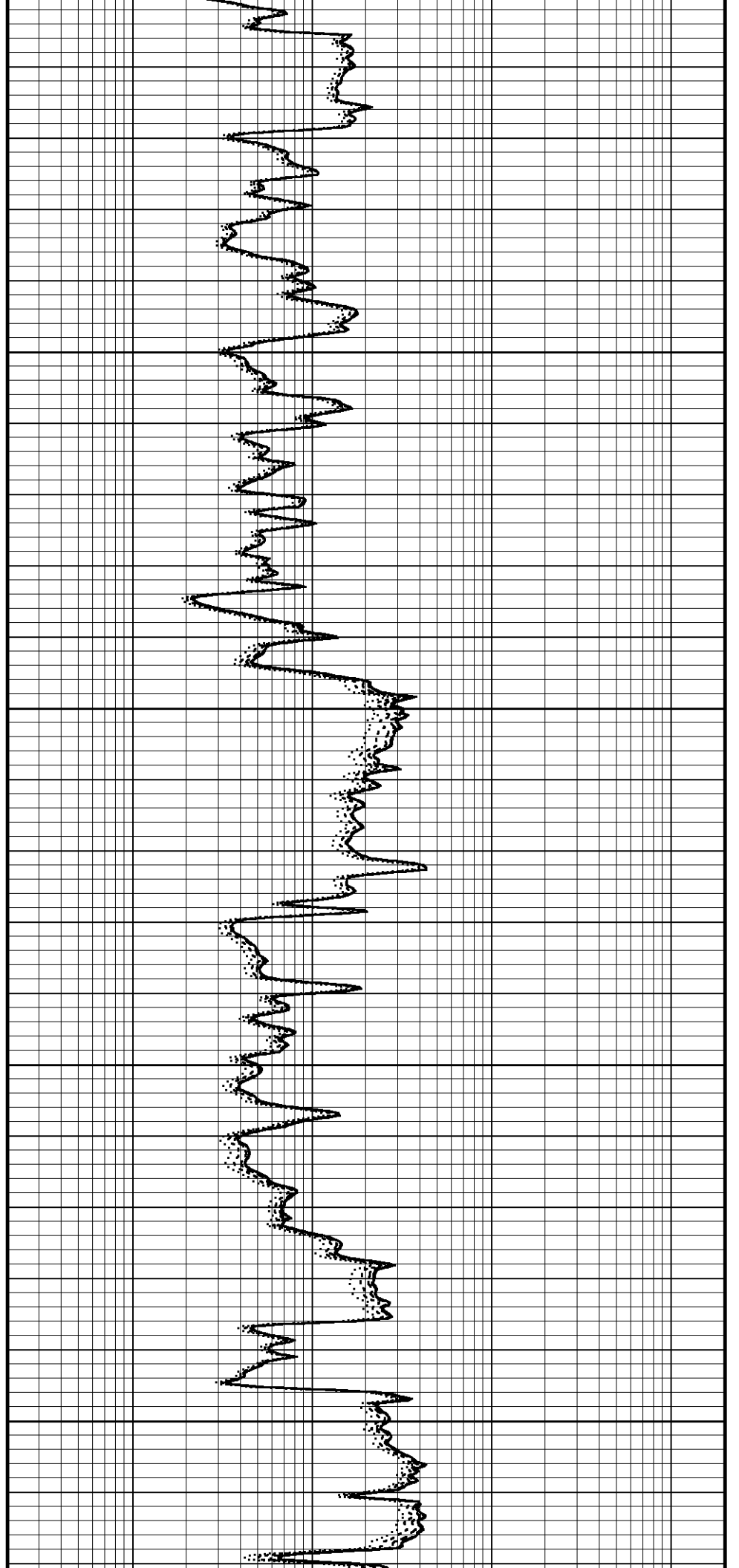
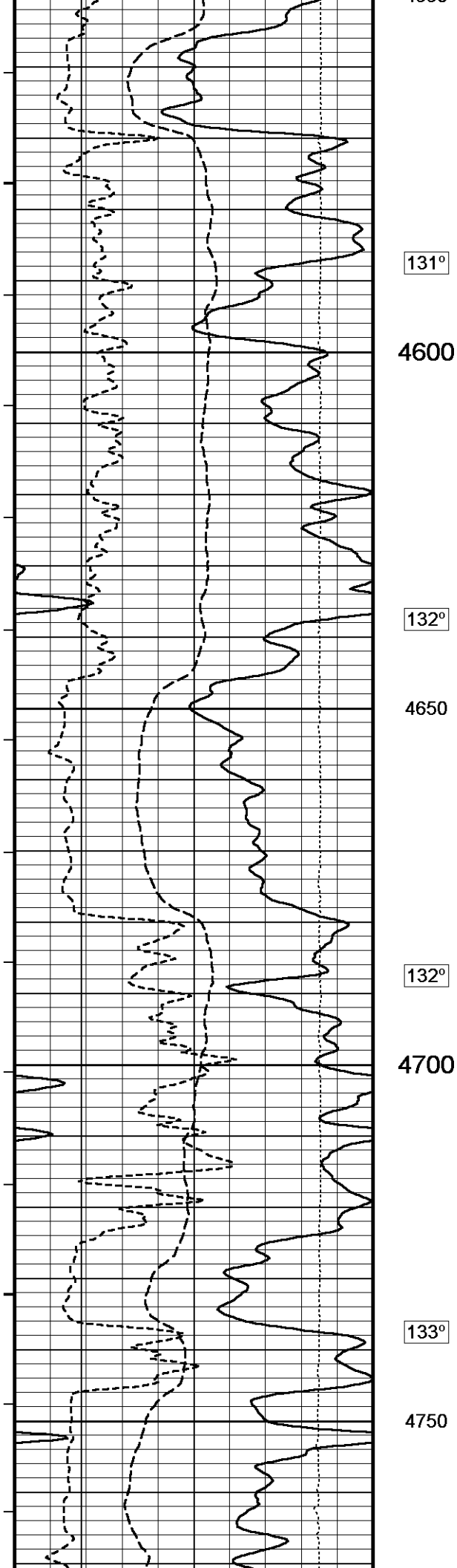
Array Ind. One Res 85

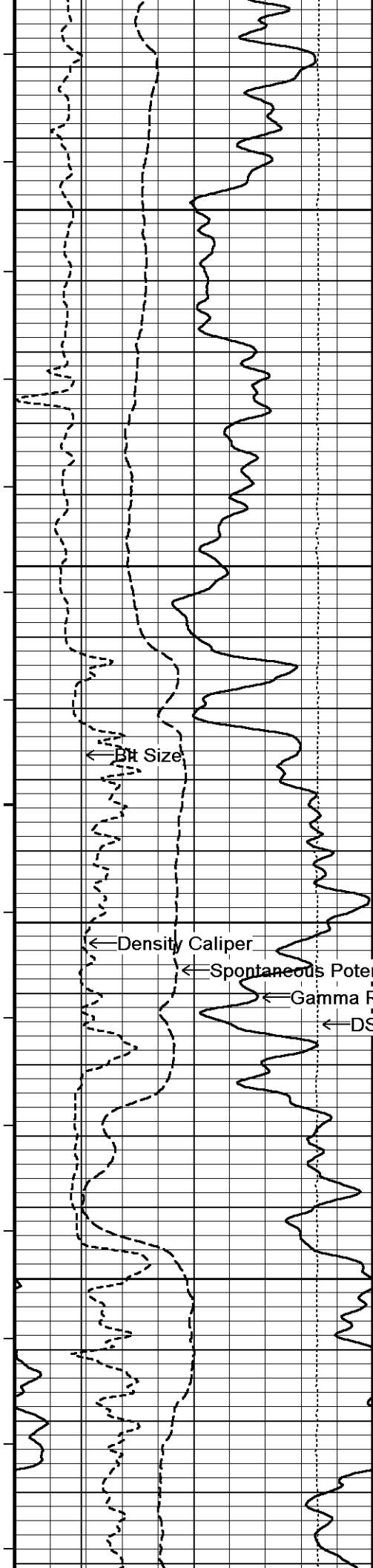
Array Ind. One Res 60

Array Ind. One Res 40

Array Ind. One Res 30

Array Ind. One Res 20





133°

4800

134°

4850

135°

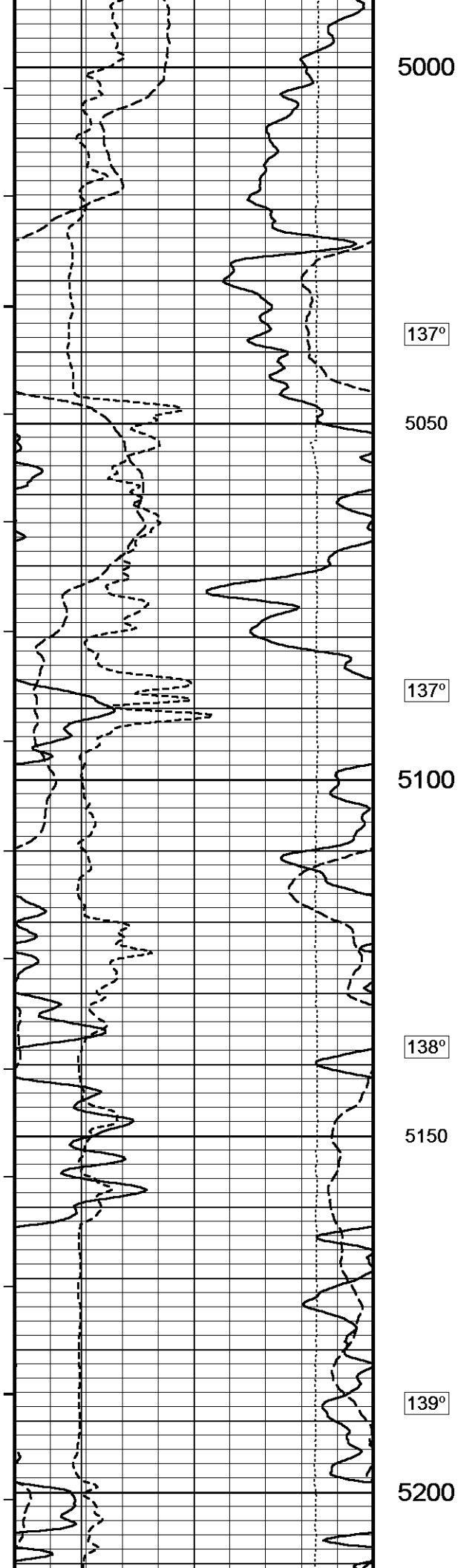
4900

135°

4950

136°

Array Ind. One Res Rt
Array Ind. One Res 85
Array Ind. One Res 60
Array Ind. One Res 40
Array Ind. One Res 30
Array Ind. One Res 20



5000

137°

5050

137°

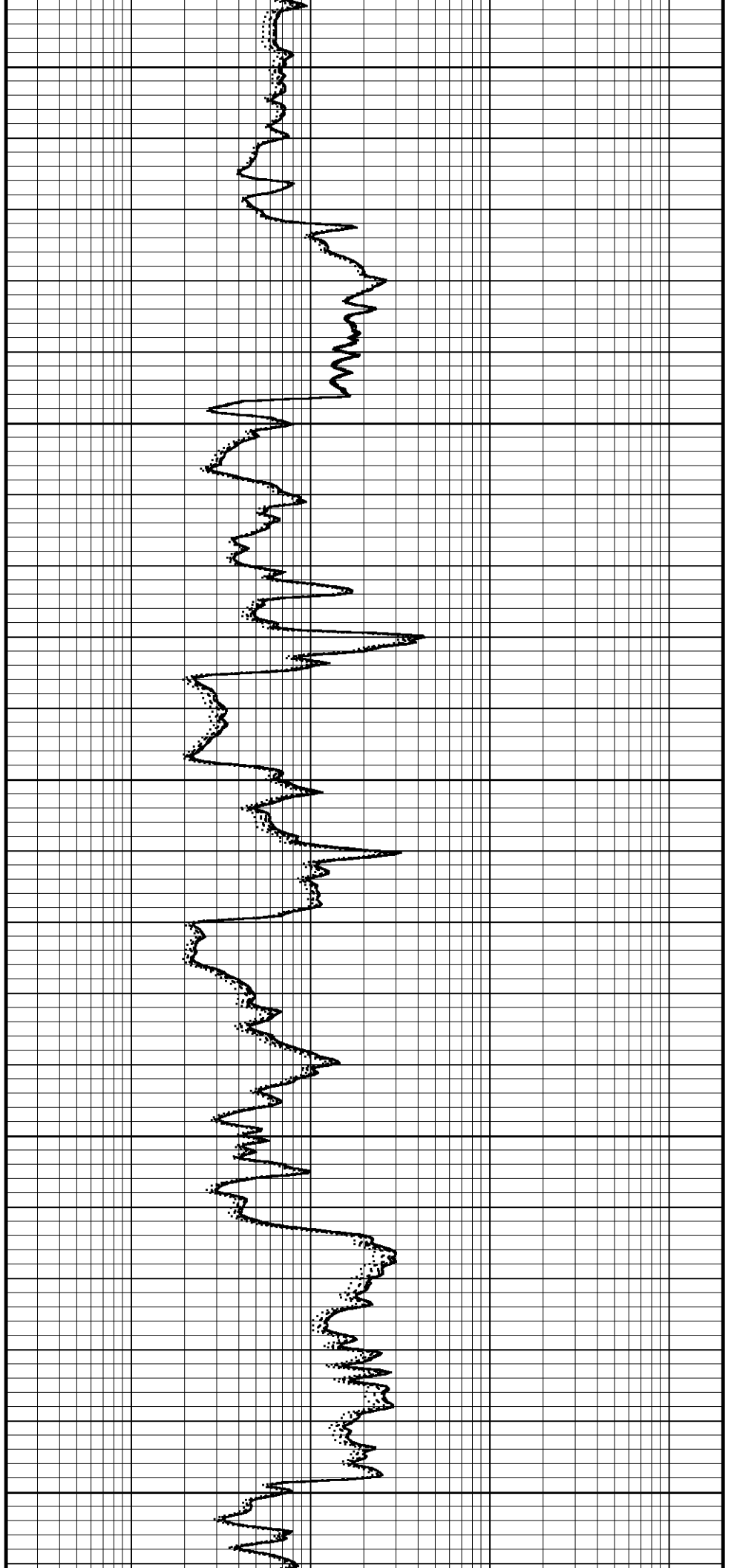
5100

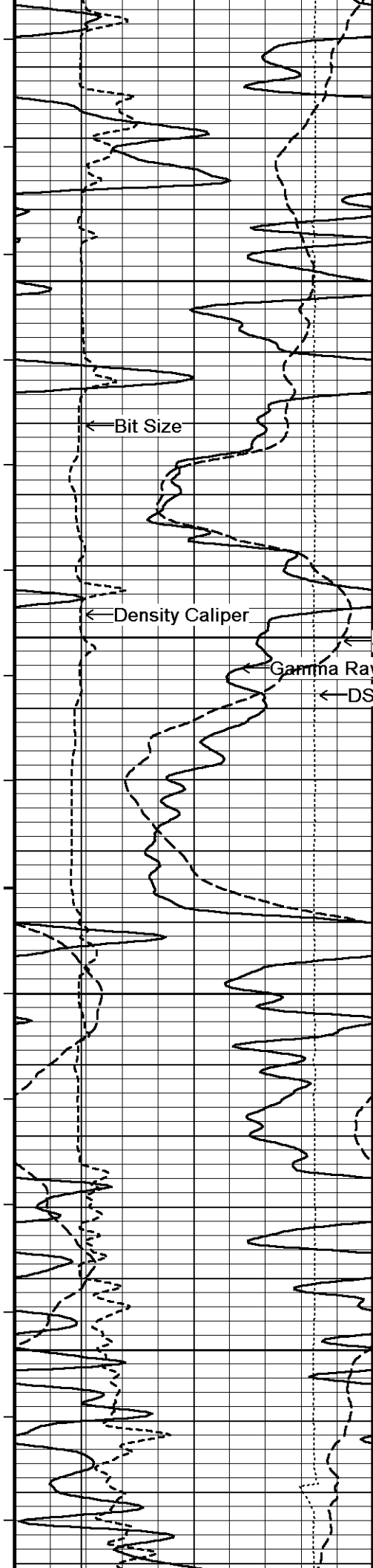
138°

5150

139°

5200





139°

5250

← Bit Size

← Density Caliper

← Gamma Ray

← DST Uphole Tension

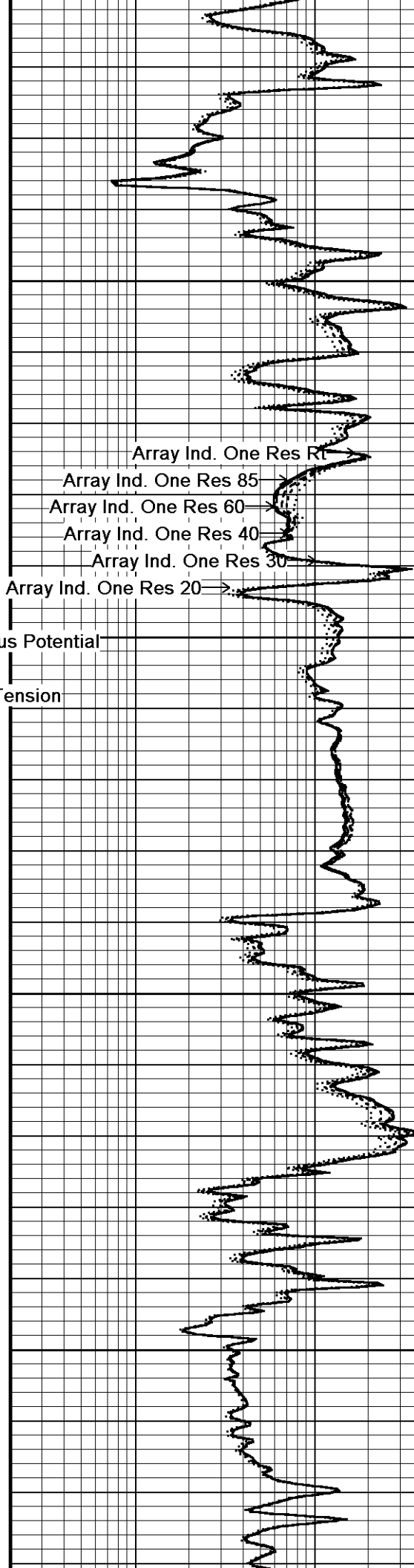
140°

141°

5350

143°

5400



Array Ind. One Res Rt

Array Ind. One Res 85

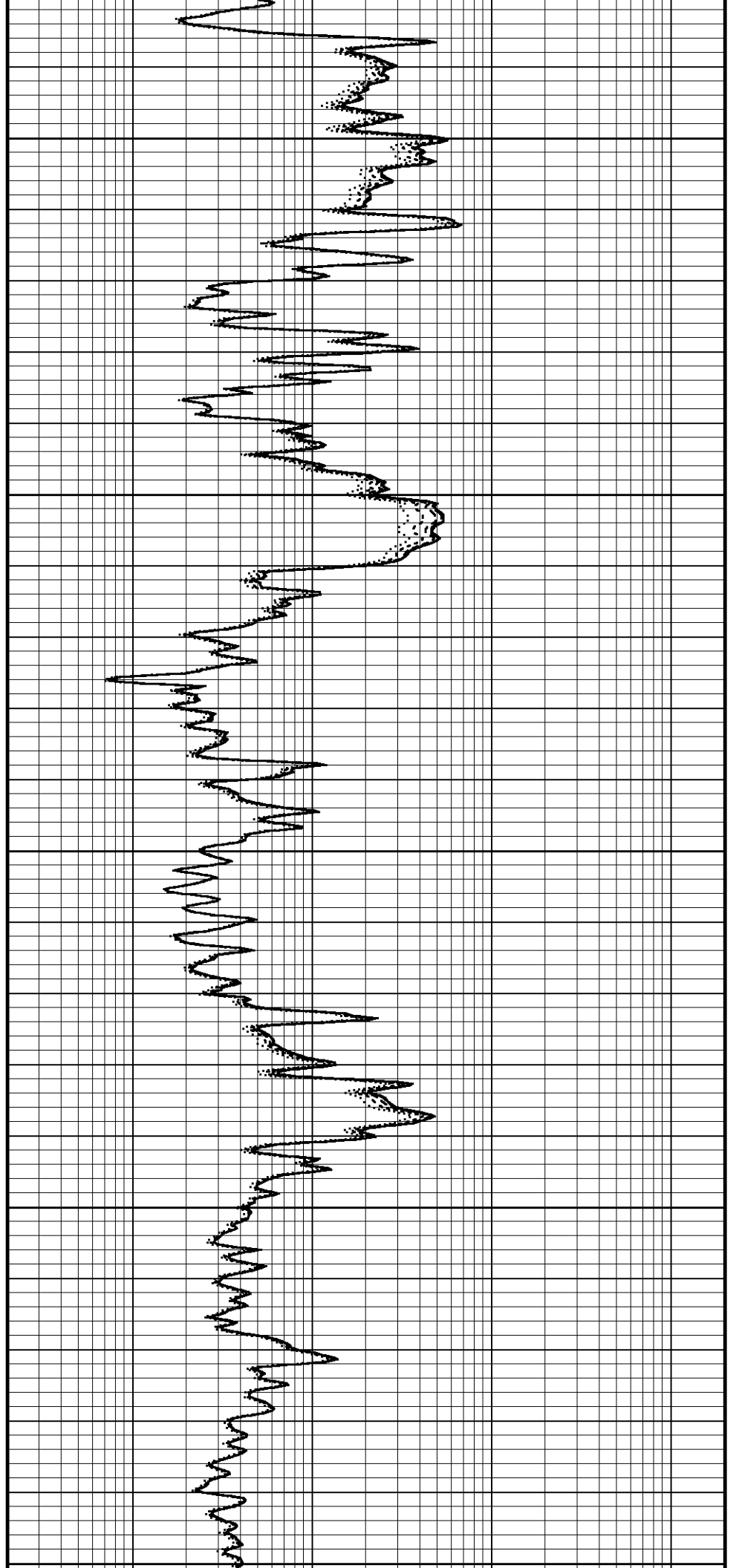
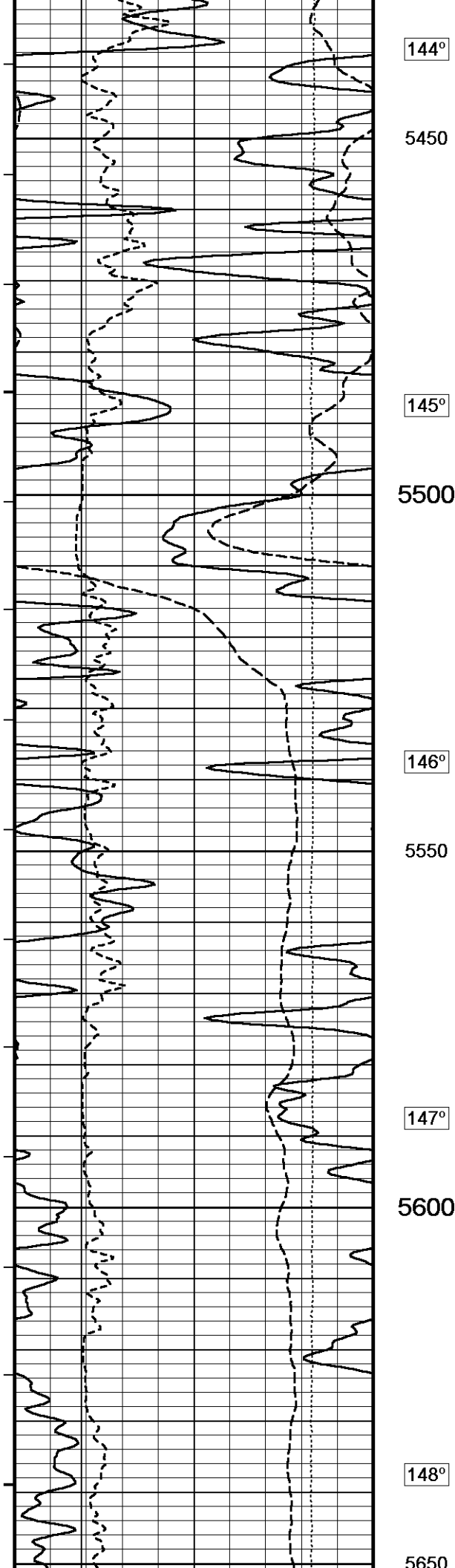
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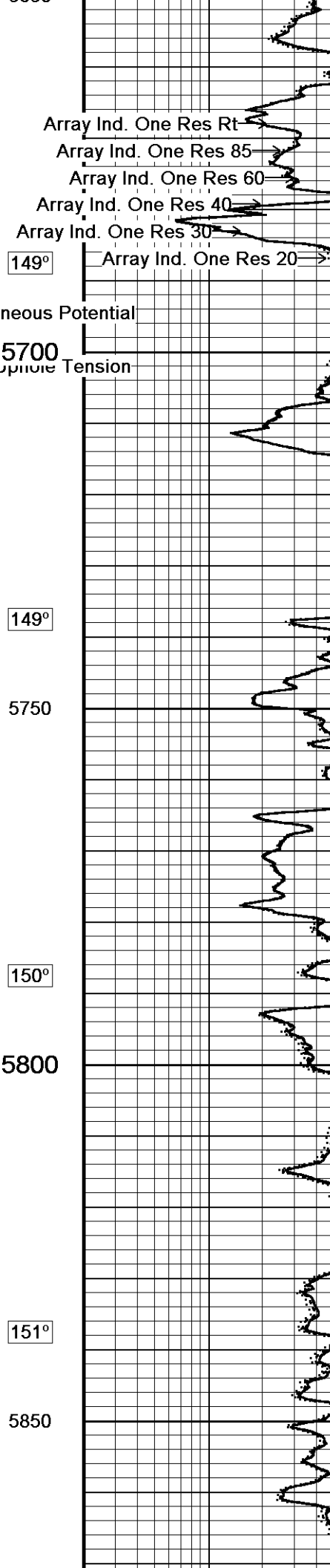
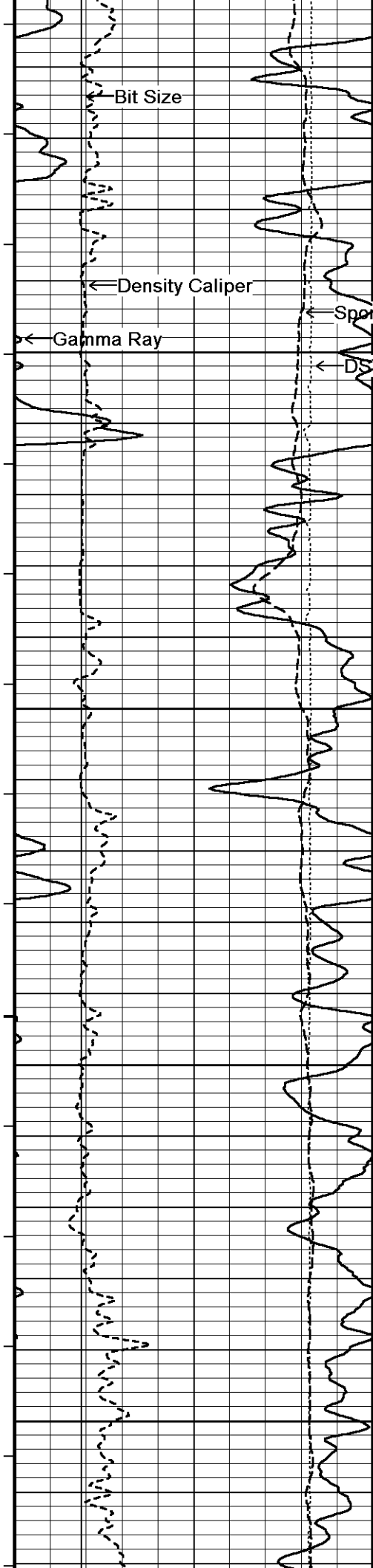
Array Ind. One Res 40

Array Ind. One Res 20

Array Ind. One Res 20

Sp5300ous Potential



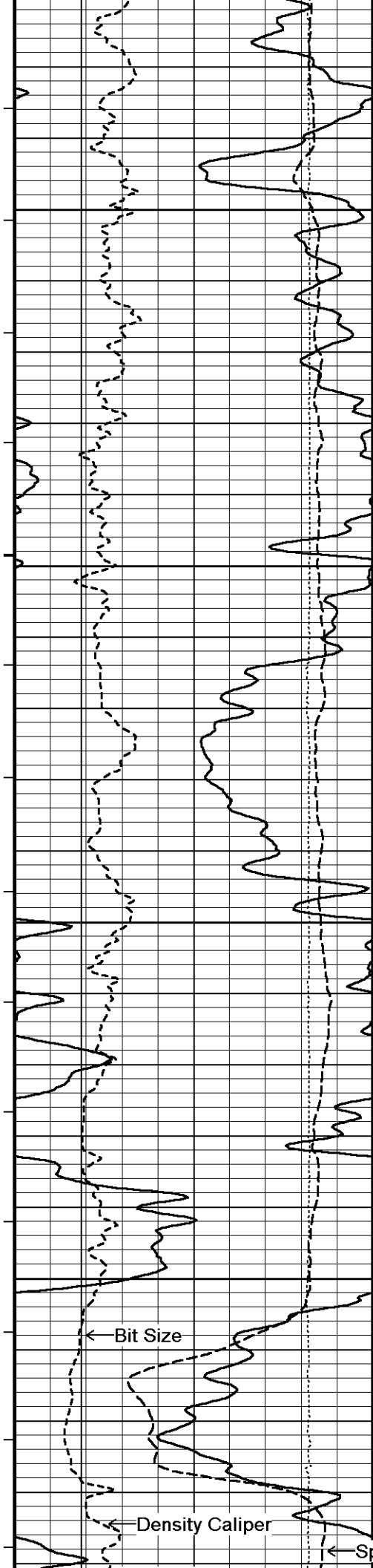


149°

149°

150°

151°



152°

5900

152°

5950

153°

6000

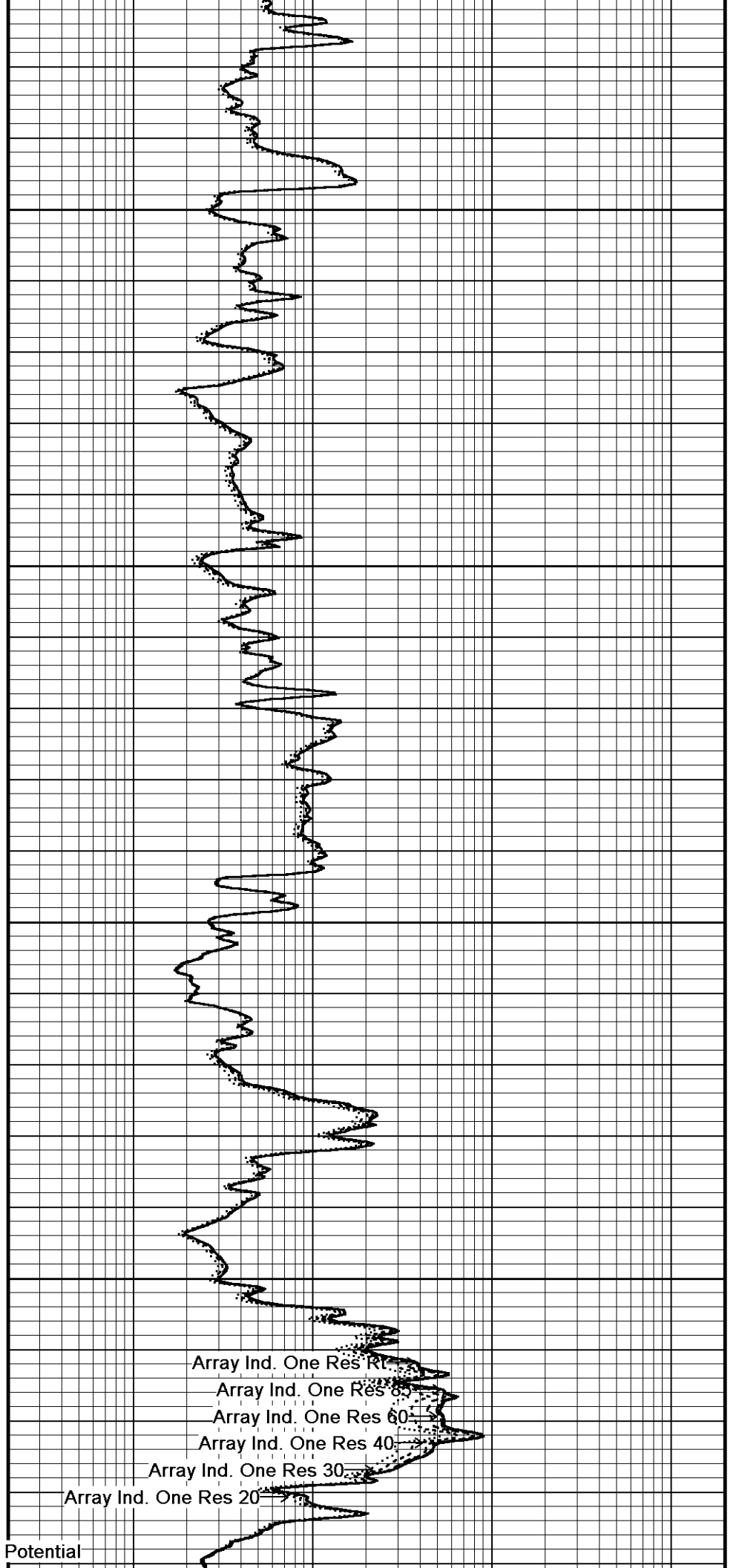
154°

6050

← Bit Size

← Density Caliper

← Spontaneous Potential



Array Ind. One Res RT

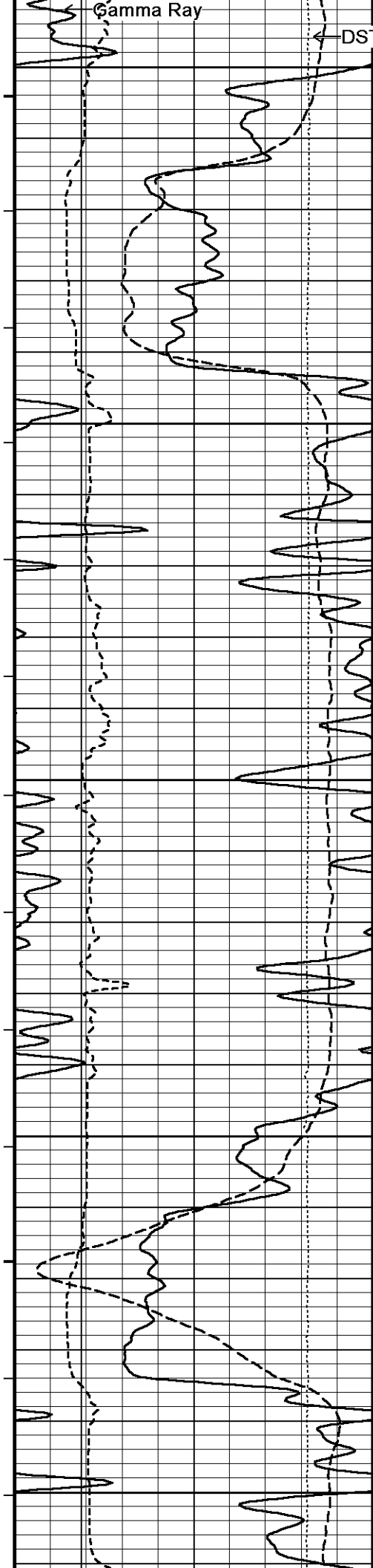
Array Ind. One Res 80

Array Ind. One Res 60

Array Ind. One Res 40

Array Ind. One Res 30

Array Ind. One Res 20



DST Uphole Tension

6100

155°

6150

156°

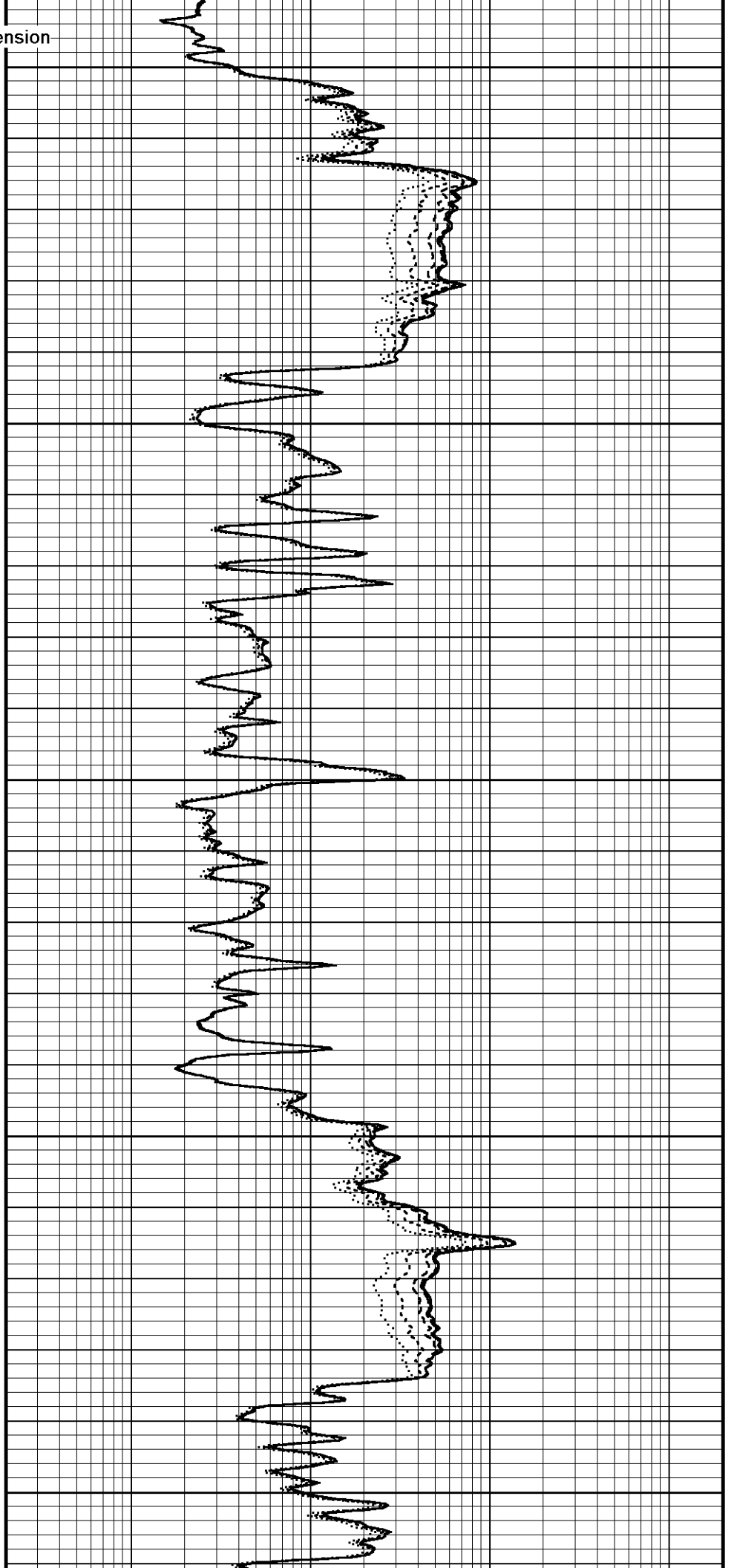
6200

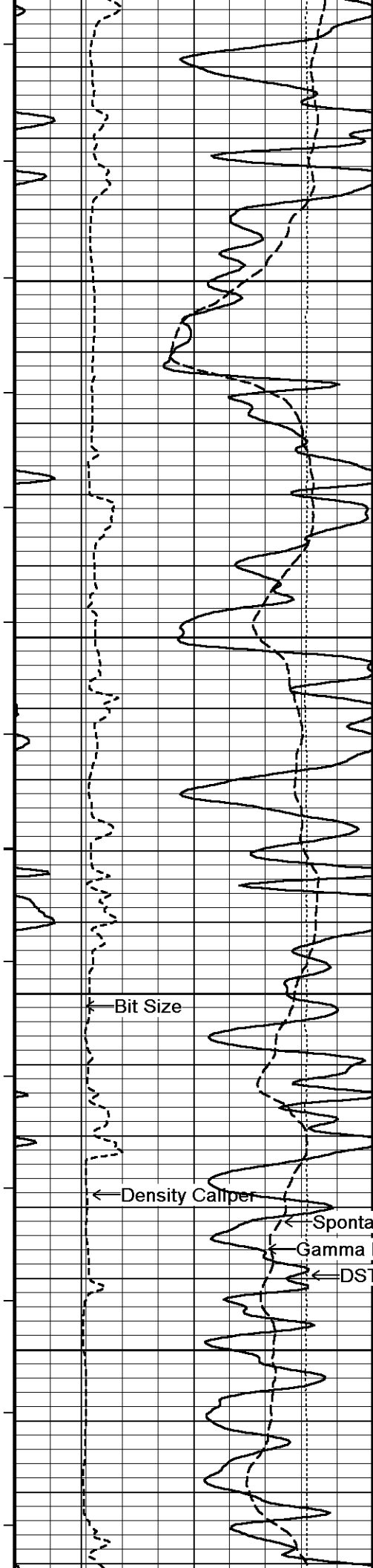
157°

6250

158°

6300





158°

6350

159°

6400

160°

6450

Bit Size

Density Caliper

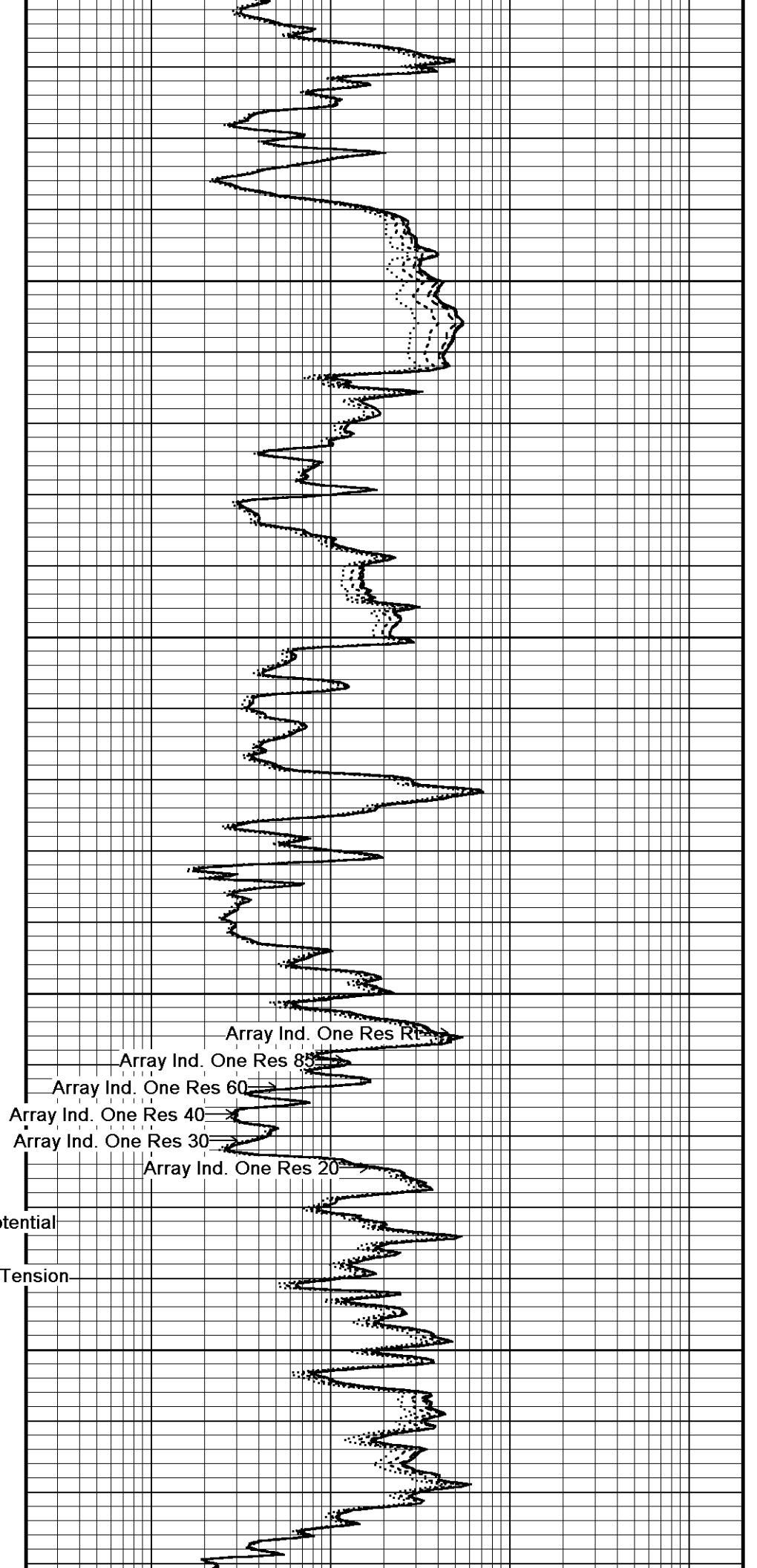
Spontaneous Potential

Gamma Ray

DST Uphole Tension

6500

161°



Array Ind. One Res RT

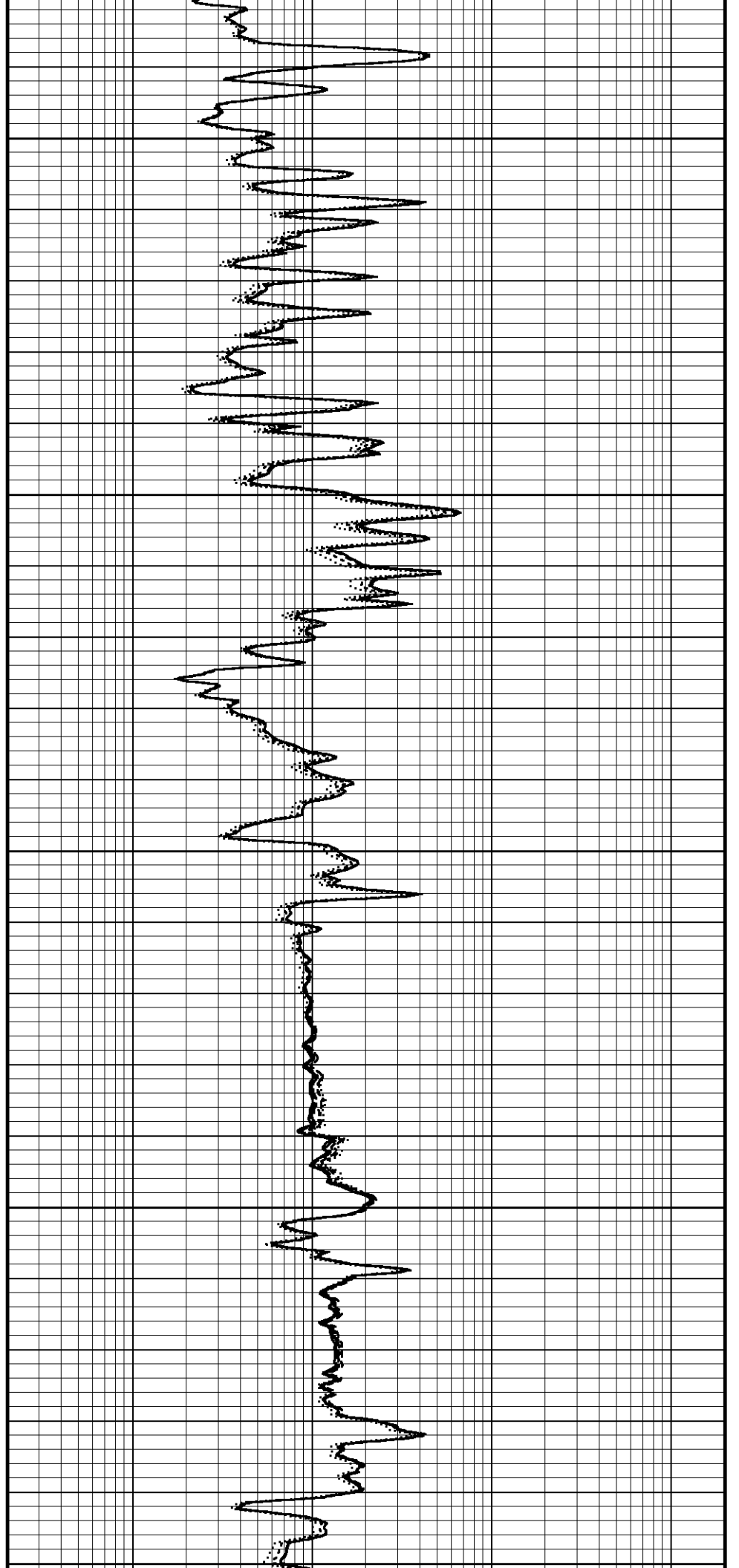
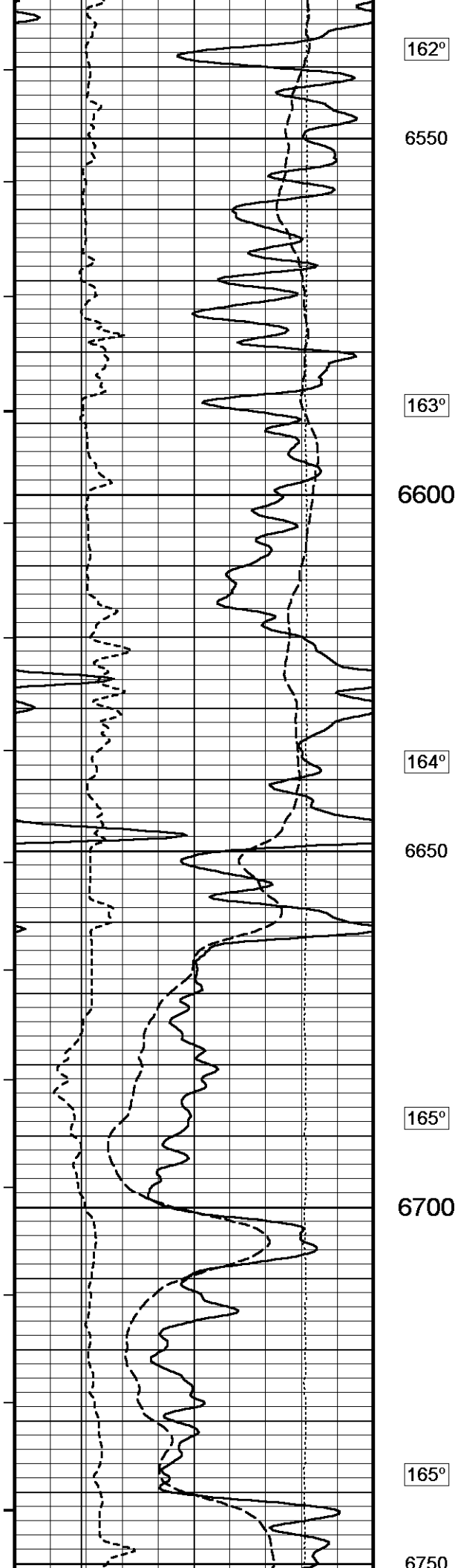
Array Ind. One Res 80

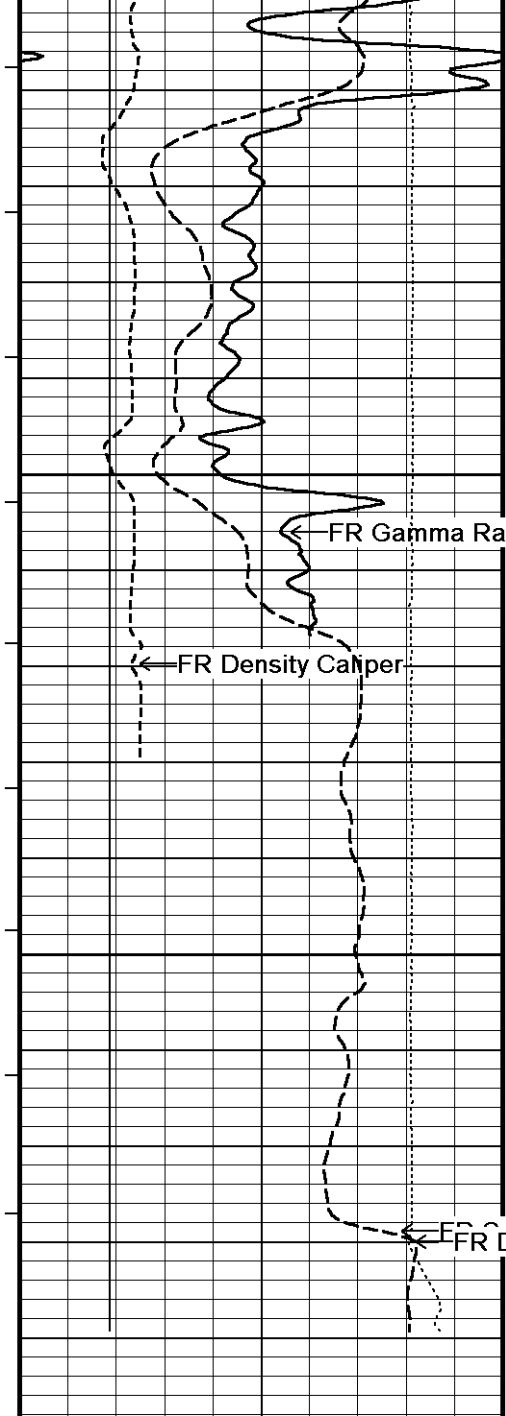
Array Ind. One Res 60

Array Ind. One Res 40

Array Ind. One Res 30

Array Ind. One Res 20





165°

6800

6850

DSC
in
Feet

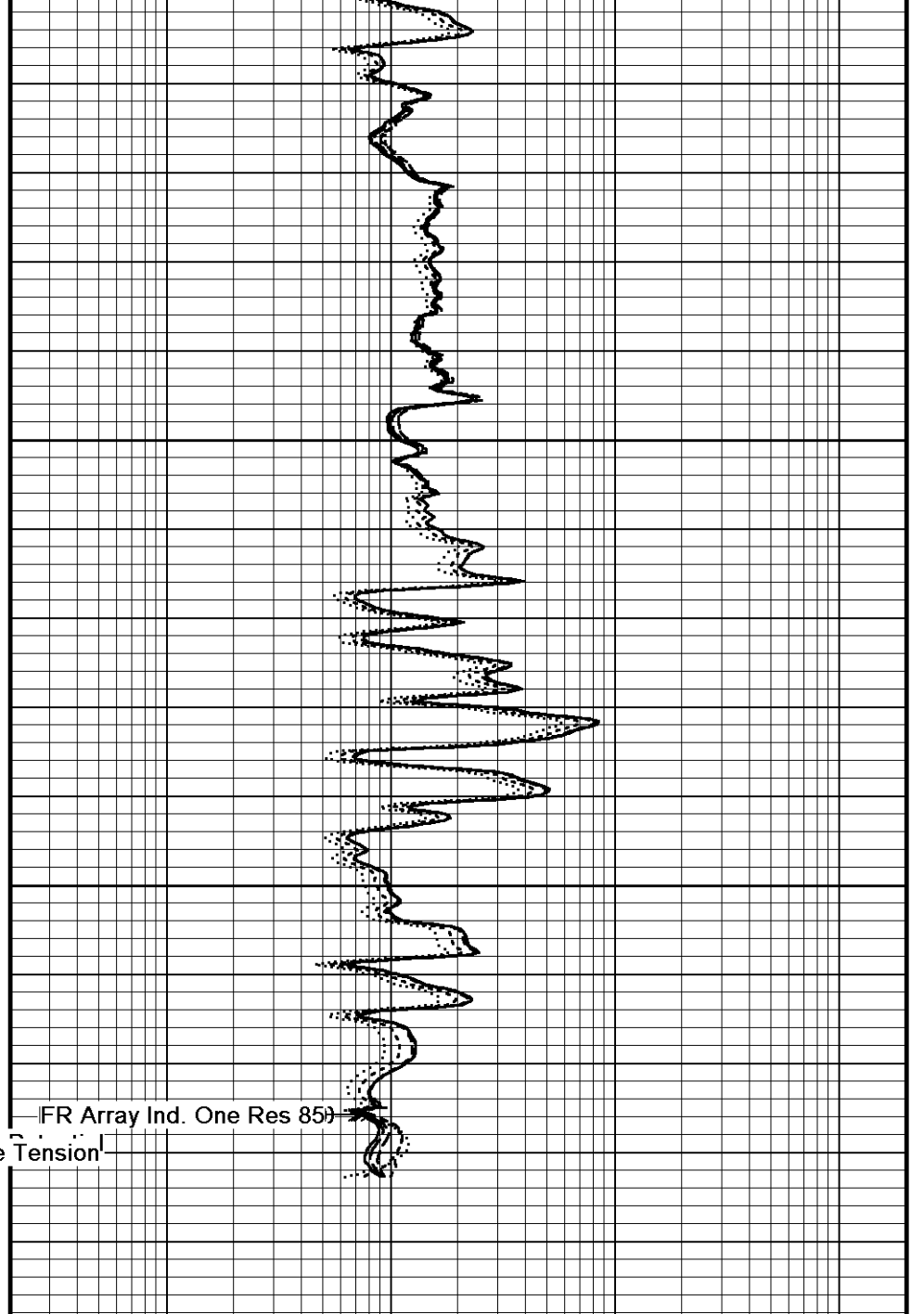
Timing Marks
every 60.0 sec

DST Uphole Tension
pounds
10000 5000 0
0 -5000 -10000

Gamma Ray
API
0 75 150

Spontaneous Potential
millivolts

Borehole
Temp in
deg F



FR Array Ind. One Res 85)

Array Ind. One Res 20
ohm metres

0.20 1 10 100 1000 2000

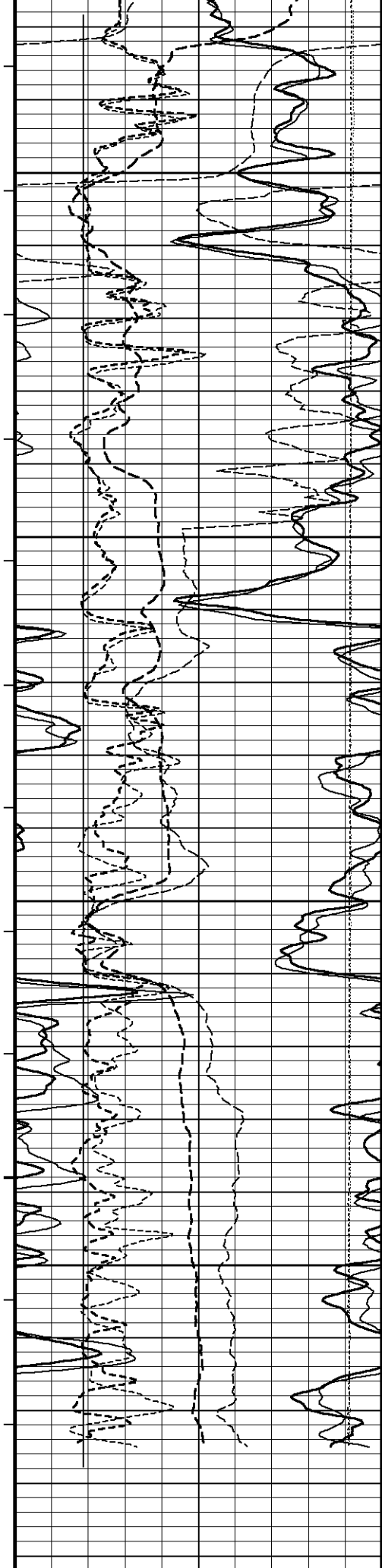
Array Ind. One Res 30
ohm metres

0.20 1 10 100 1000 2000

Array Ind. One Res 40
ohm metres

0.20 1 10 100 1000 2000

Array Ind. One Res 60
ohm metres



Casing
Shoe

1550

96°

1600

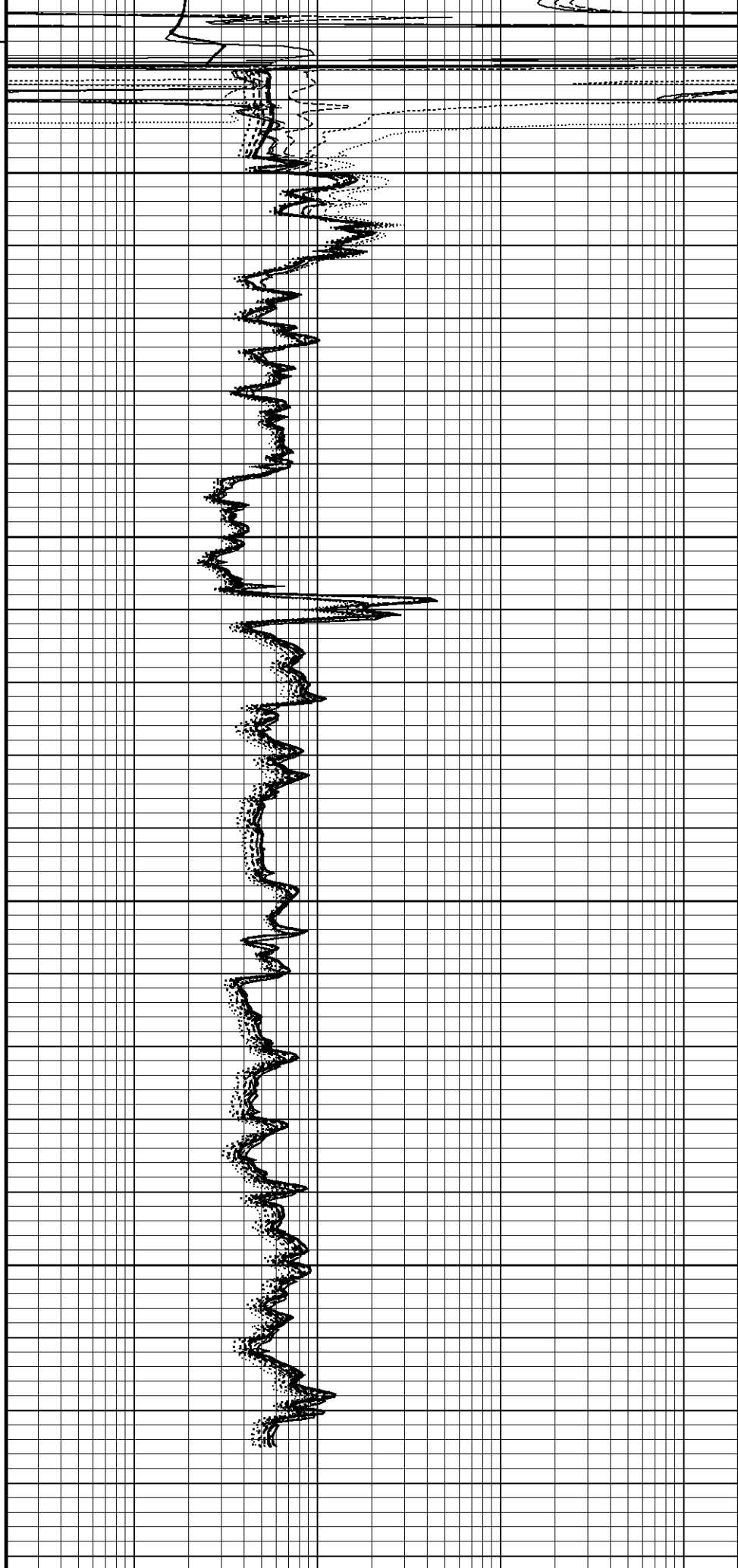
96°

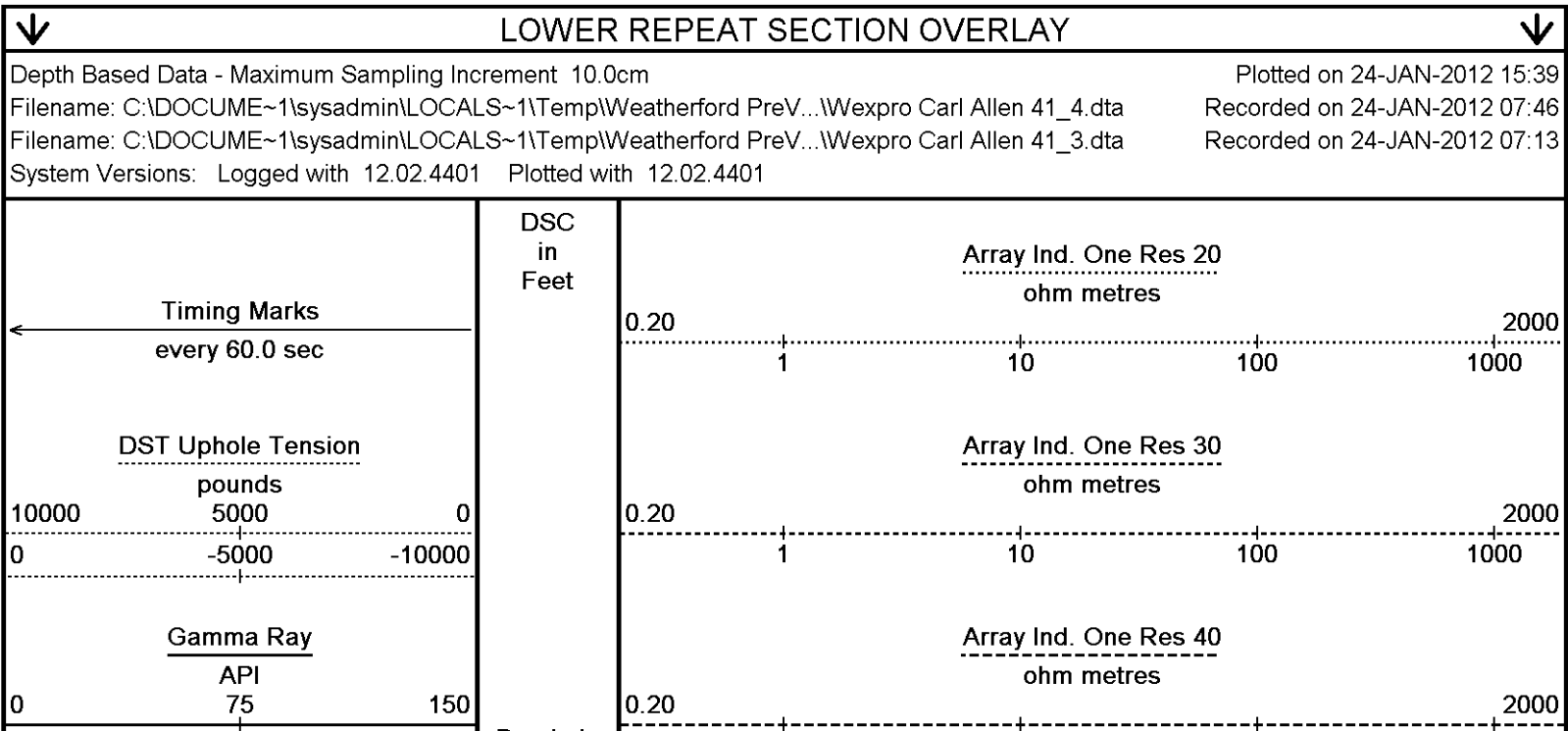
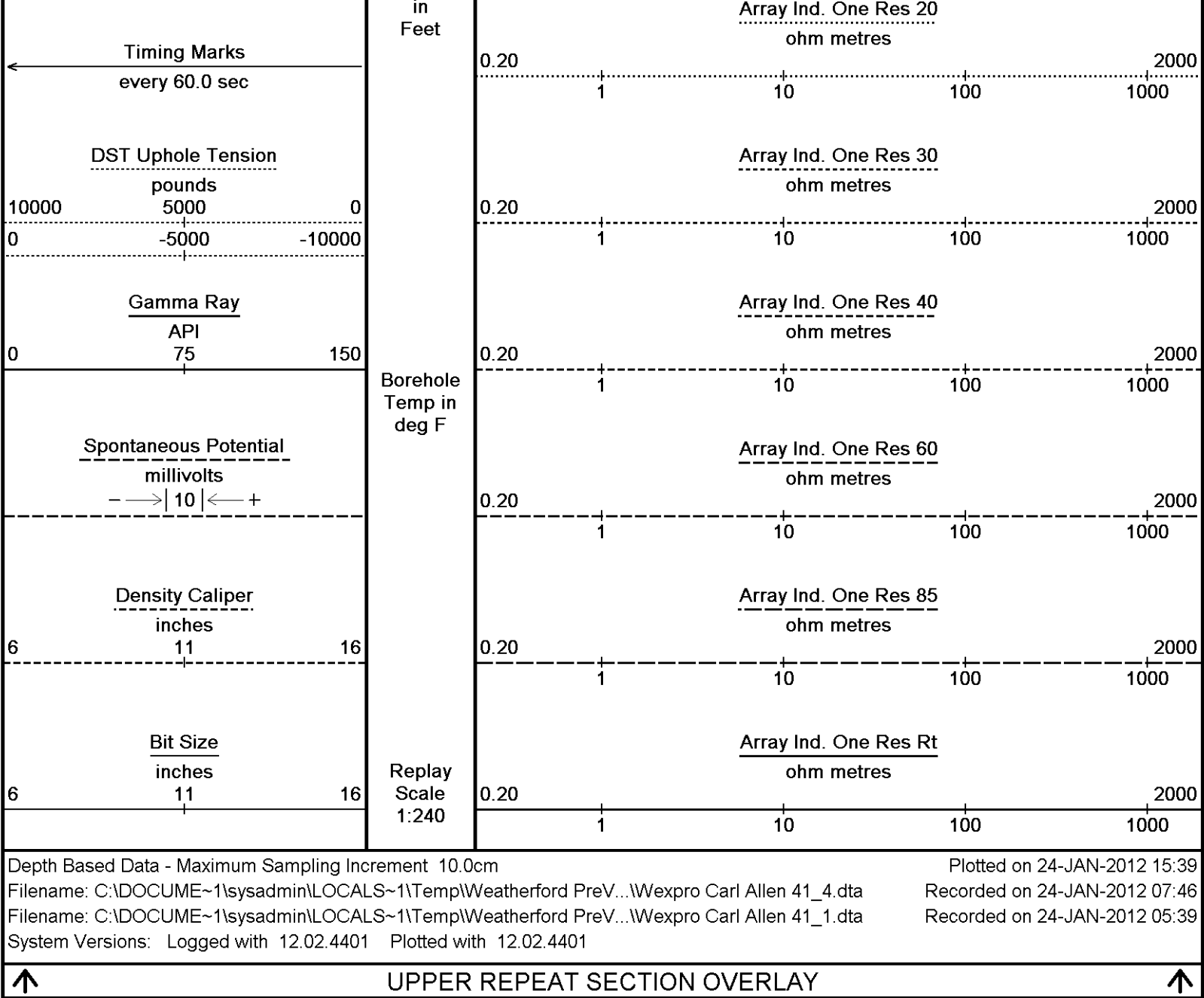
1650

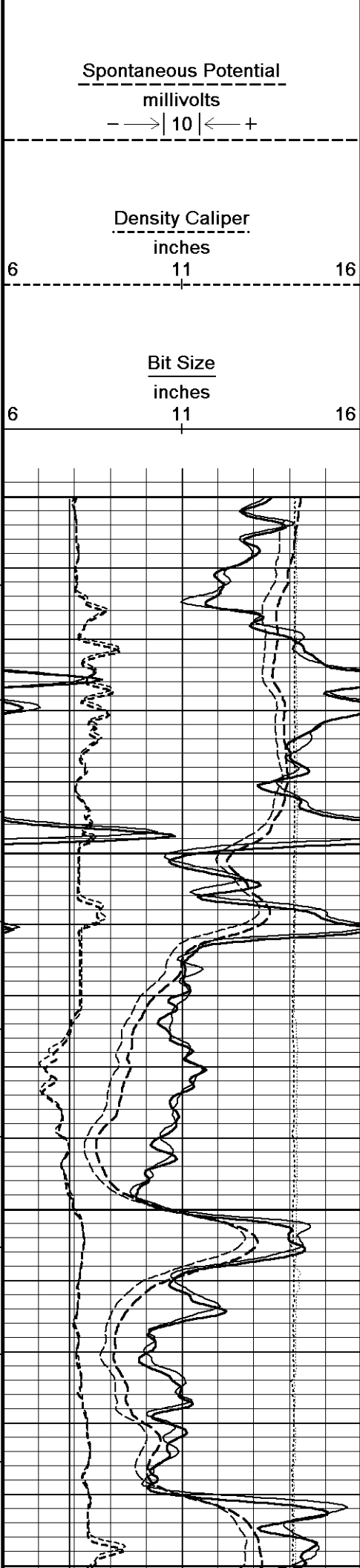
97°

1700

DSC







Borehole
Temp in
deg F

Replay
Scale
1:240

6600

164°

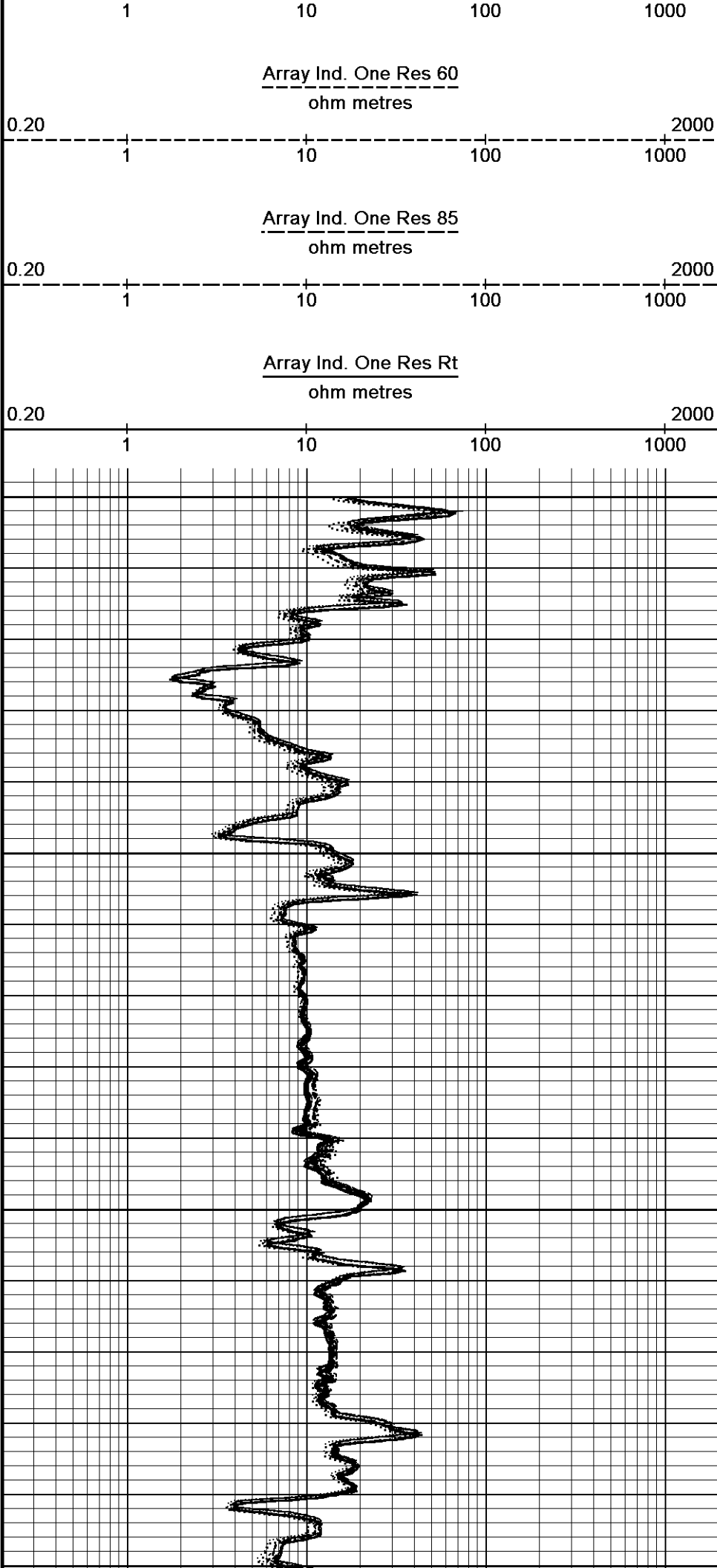
6650

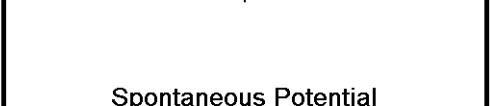
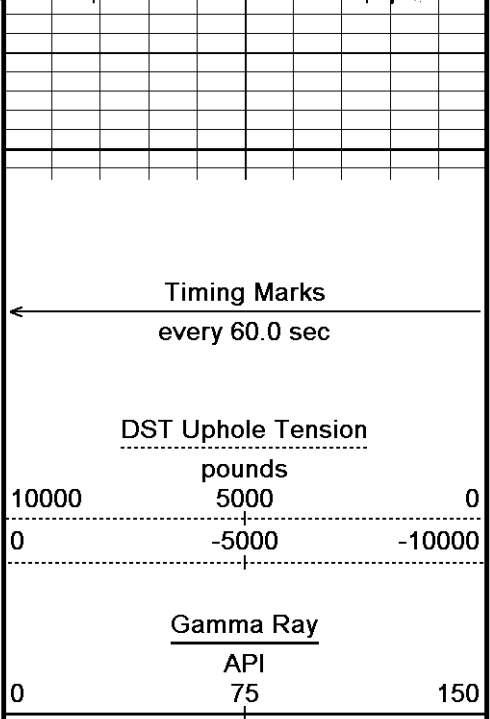
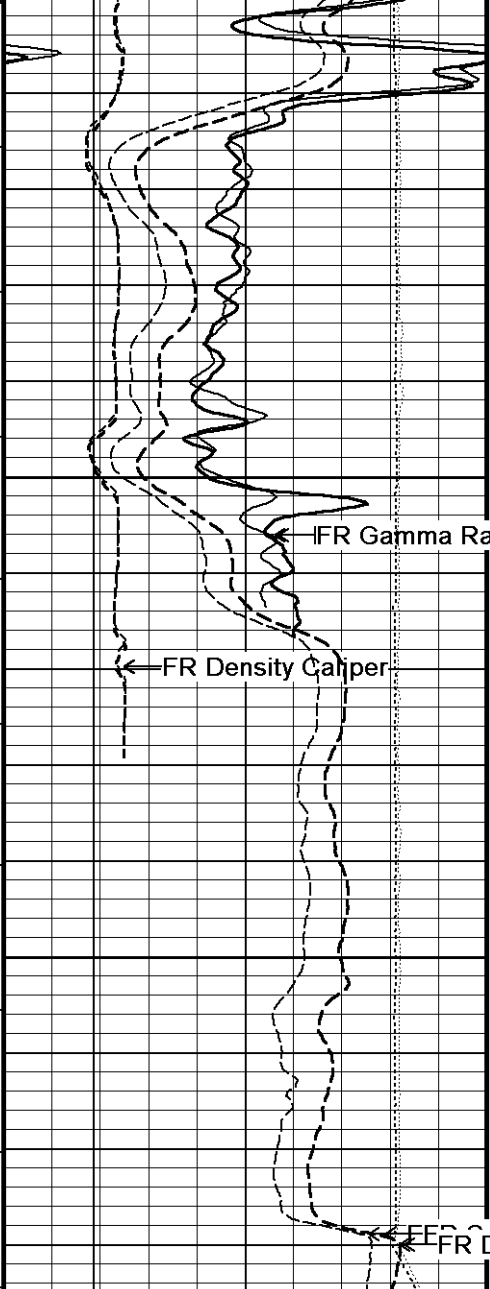
165°

6700

165°

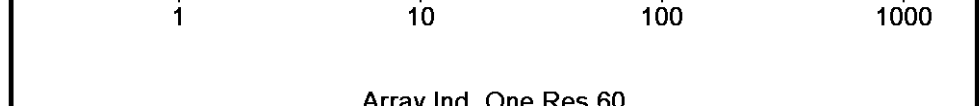
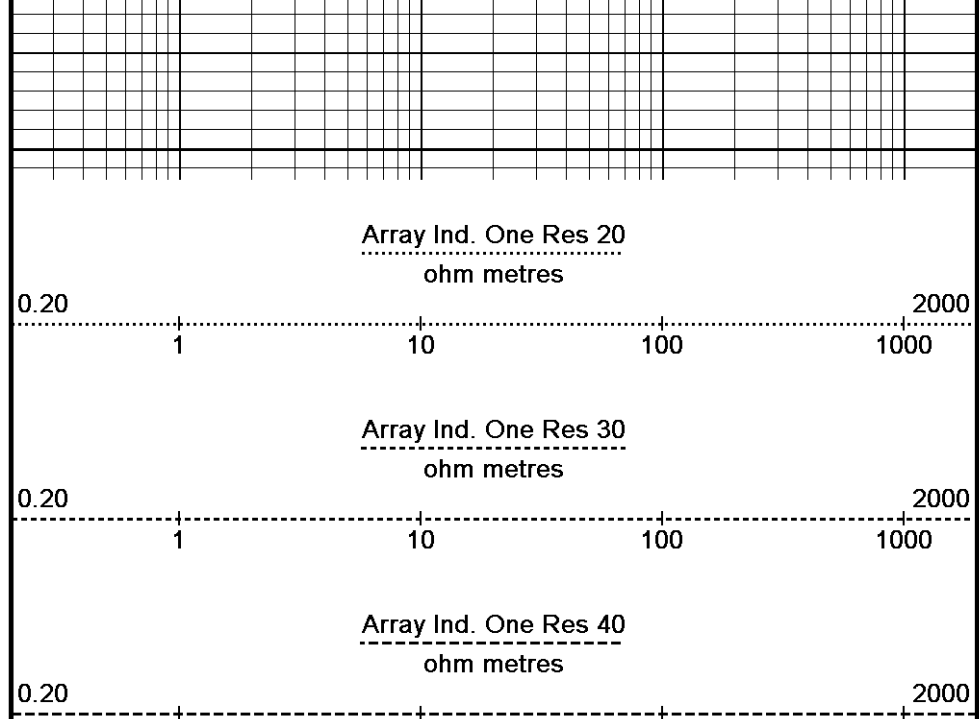
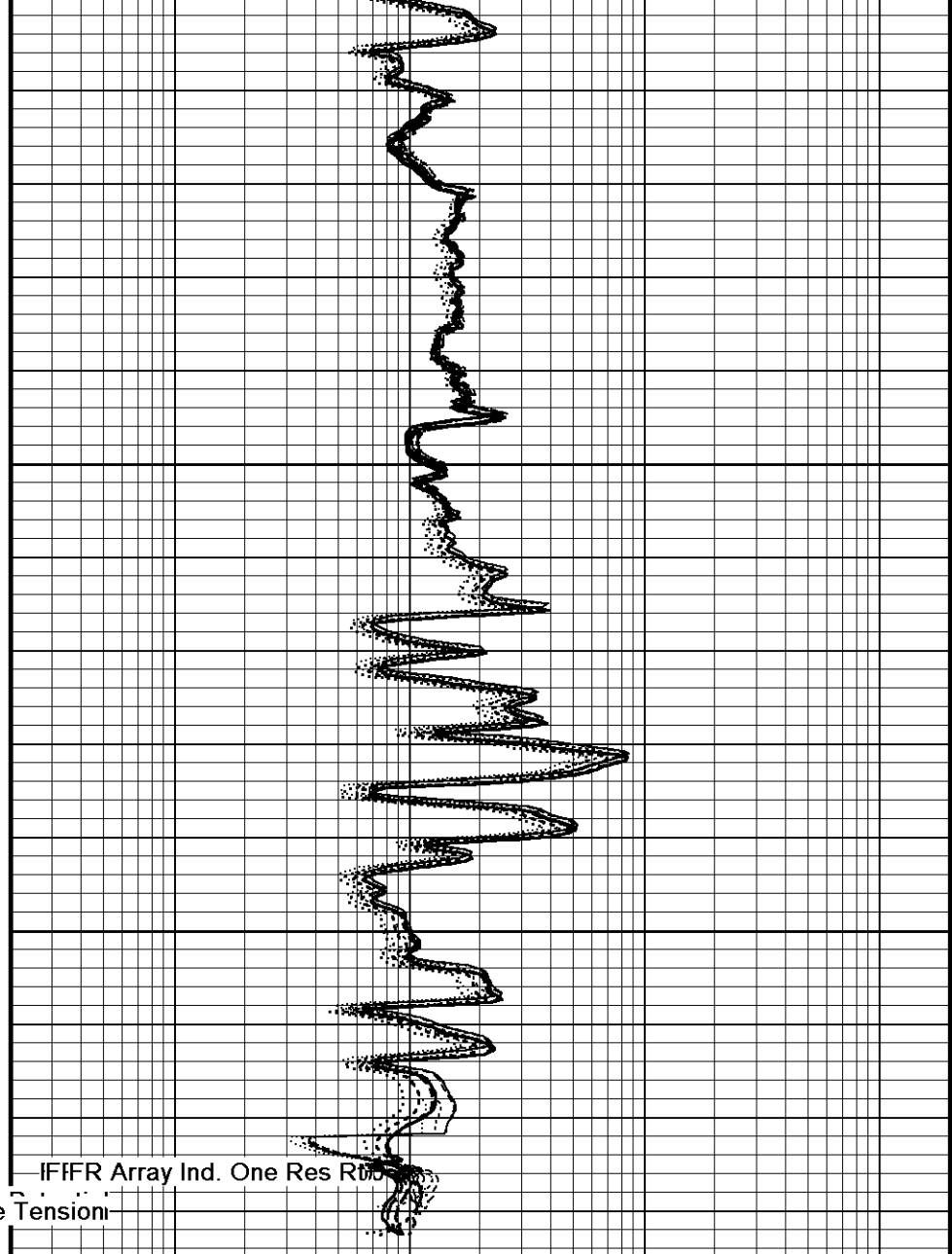
6750



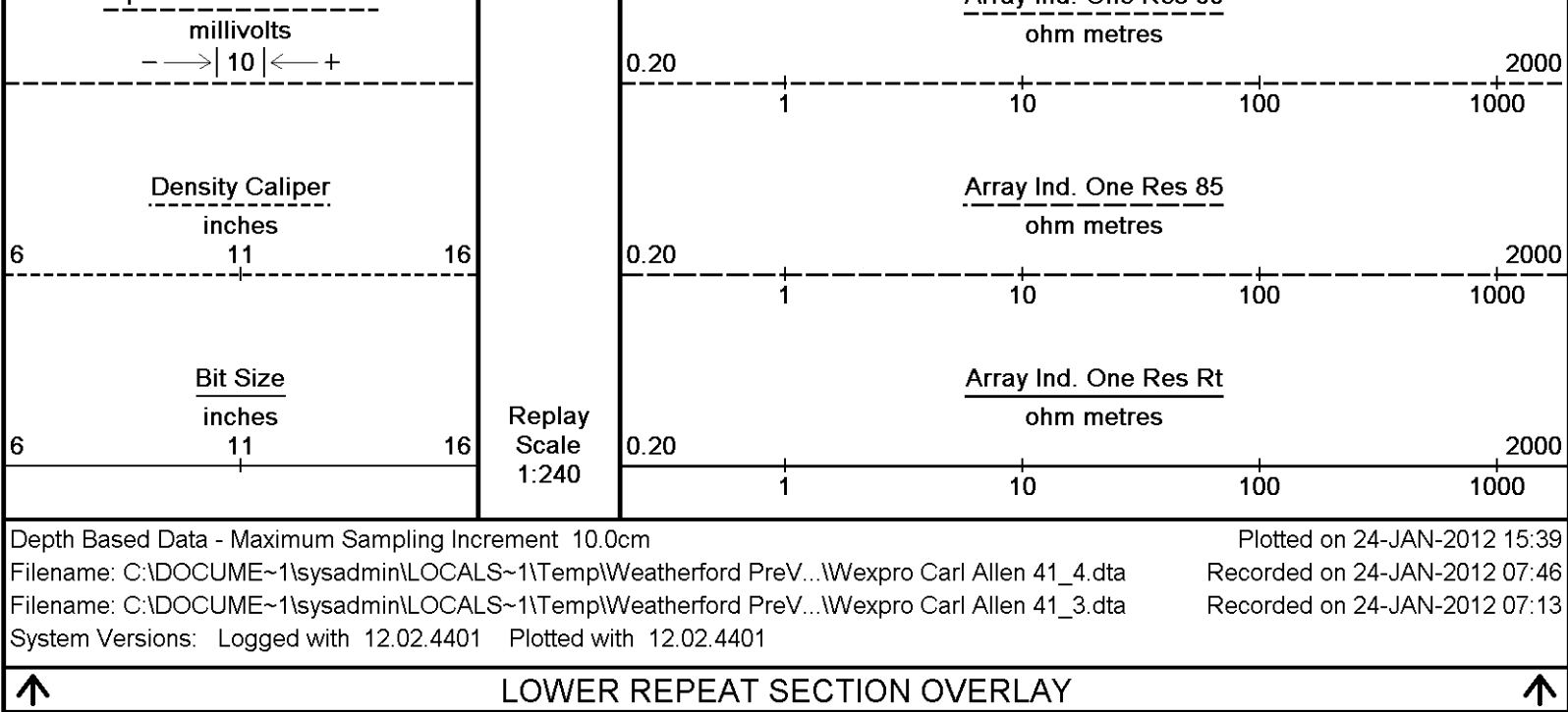


6750
165°
6800
IFR Gamma Ray
FR Density Caliper
6850
IFR DST Uphole Tension
6900

DSC
in
Feet
6900
DST Uphole Tension
pounds
10000 5000 0
0 -5000 -10000
Gamma Ray
API
0 75 150
Borehole
Temp in
deg F



Array Ind. One Res 20
ohm metres
0.20 1 10 100 1000 2000
Array Ind. One Res 30
ohm metres
0.20 1 10 100 1000 2000
Array Ind. One Res 40
ohm metres
0.20 1 10 100 1000 2000
Array Ind. One Res 60
ohm metres
0.20 1 10 100 1000 2000



<div>BEFORE SURVEY CALIBRATION</div> <div>C:\DOCUME~1\sysadmin\LOCALS~1\Temp\Weatherford PreView\0\Wexpro Carl Allen 41_4.dta</div>			
Down-hole Tension Calibration All 000			
			Field Calibration on 24-OCT-2010 03:34
Reading No	Measured	Calibrated (lbs)	
1	15659.85	0.00	
2	15734.68	370.00	
General Constants All 000			
			Last Edited on 24-JAN-2012 05:35
General Parameters			
Mud Resistivity	2.600	ohm-metres	
Mud Resistivity Temperature	73.800	degrees F	
Water Level	0.000	feet	
Density/Neutron Processing	Wet Hole		
Hole/Annular Volume and Differential Caliper Parameters			
HVOL Method	Single Caliper		
HVOL Caliper 1	Density Caliper		
HVOL Caliper 2	N/A		
Annular Volume Diameter	4.500	inches	
Caliper for Differential Caliper	None		
Rwa Parameters			
Porosity used	Base Density Porosity		
Resistivity used	Array Ind. One Res Rt		
RWA Constant A	0.610		
RWA Constant M	2.150		
Down-hole Tension Calibration SMS 0			
			Field Calibration on 24-JAN-2012 05:20
Reading No	Measured	Calibrated (lbs)	
1	17467.09	0.00	
2	18929.16	660.00	
Gamma Calibration MCG-D.K 424			
			Field Calibration on 23-JAN-2012 14:46
	Measured	Calibrated (API)	
Background	71	47	
Calibrator (Gross)	851	566	
Calibrator (Net)	780	519	
Gamma Constants MCG-D.K 424			
			Last Edited on 24-JAN-2012 04:33
Gamma Calibrator Number	GRCC 119		

Mud Density	1.00	gm/cc
Caliper Source for Processing	Density Caliper	
Tool Position	Eccentred	
Concentration of KCl	0.00	kppm
High Resolution Temperature Calibration MCG-D.K 424		
	Measured	Calibrated(Deg F)
Lower	10.00	10.00
Upper	100.00	100.00
High Resolution Temperature Constants MCG-D.K 424		
Pre-filter Length	11	
SP Calibration MCG-D.K 424		
	Measured	Calibrated (mV)
Reference 1	97.5	100.0
Reference 2	-97.8	-100.0
Neutron Calibration MDN-B.J 374		
Base Calibration		Base Calibration on 04-JAN-2012 18:16 Field Check on 23-JAN-2012 14:35
	Measured	Calibrated (cps)
	Near Far	Near Far
	2870 88	3714 110
Ratio	32.435	33.764
Field Calibrator at Base		Calibrated (cps)
		2324 3462
Ratio		0.671
Field Check		Calibrated (cps)
		2279 3426
Ratio		0.665
Neutron Constants MDN-B.J 374		
Last Edited on 24-JAN-2012 05:02		
Neutron Source Id	P31115B	
Neutron Jig Number	NJ5529	
Epithermal Neutron	No	
Caliper Source for Processing	Density Caliper	
Stand-off	0.00	inches
Mud Density	1.00	gm/cc
Limestone Sigma	7.10	cu
Sandstone Sigma	7.00	cu
Dolomite Sigma	4.70	cu
Formation Pressure Source	None	
Formation Pressure	N/A	kpsi
Temperature Source	None	
Temperature	N/A	degrees F
Mud Salinity	0.00	kppm
Formation Fluid Salinity Source	None	
Formation Fluid Salinity	N/A	kppm
Barite Mud Correction	Not Applied	
Salinity Correction	Not Applied	
FE Calibration MFE-B.A 248		
Base Calibration		Base Calibration on 04-JAN-2012 13:45 Field Check on 23-JAN-2012 13:26
	Measured	Calibrated (ohm-m)
Reference 1	0.0	0.0
Reference 2	965.1	126.8
Base Check		281.3
Field Check		281.3
FE Constants MFE-B.A 248		
Last Edited on 24-JAN-2012 06:36		
Running Mode	No Sleeve	
MFE K Factor	0.1268	

Caliper Source for FE correction	Density Caliper	
Caliper Value for FE correction	N/A	inches
Rm Source for FE correction	Temperature Corr	
Temp. for Rm Corr.	MCG External Temperature	
Stand-off	1.0	inches

Induction Calibration MAI-B.J 362

Base Calibration on 02-SEP-2011 14:29

Field Check on 23-JAN-2012 13:20

Base Calibration

Test Loop Calibration

Channel	Measured		Calibrated (mmho/m)	
	Low	High	Low	High
1	16.0	468.7	9.3	966.2
2	6.2	374.5	7.6	821.4
3	3.6	258.3	5.2	566.0
4	1.8	133.1	2.6	279.2

Array Temperature 74.8 Deg F

Channel	Base Check (mmho/m)		Field Check (mmho/m)	
	Low	High	Low	High
1	0.0	0.0	15.0	3873.2
2	0.0	0.0	30.5	3605.3
3	0.0	0.0	28.4	3069.1
4	0.0	0.0	19.7	2079.0
Deep	0.0	0.0	17.5	1954.3
Medium	0.0	0.0	41.1	4076.8
Shallow	0.0	0.0	45.5	5399.6

Array Temperature 0.0 16.1 Deg F

Induction Constants MAI-B.J 362

Last Edited on 24-JAN-2012 06:36

Induction Model

RtAP-WBM

Caliper for Borehole Corr.	Density Caliper	
Hole Size for Borehole Correction	N/A	inches
Tool Centred	Yes	
Stand-off Type	N/A	
Stand-off	N/A	inches
Number of Fins on Stand-off	N/A	
Stand-off Fin Angle	N/A	degrees
Stand-off Fin Width	N/A	inches
Borehole Corr. Rm Source	Temperature Corr	
Temp. for Rm Corr.	MCG External Temperature	
Squasher Start	0.0020	mhos/metre
Squasher Offset	N/A	mhos/metre

Borehole Normalisation

DRM1	0.0000	DRC1	0.0000
DRM2	0.0000	DRC2	0.0000
MRM1	0.0000	MRC1	0.0000
MRM2	0.0000	MRC2	0.0000
SRM1	0.0000	SRC1	0.0000
SRM2	0.0000	SRC2	0.0000

Calibration Site Corrections

Channel 1	0.00	mmhos/metre
Channel 2	0.00	mmhos/metre
Channel 3	0.00	mmhos/metre
Channel 4	0.00	mmhos/metre

Apparent Porosity and Water Saturation Constants

Archie Constant (A)	1.00	
Cementation Exponent (M)	2.00	
Saturation Exponent (N)	2.00	
Saturation of Water for Apor	100.00	percent
Resistivity of Water for Apor and Sw	0.05	ohm-m
Resistivity of Mud Filtrate for Sw	0.00	ohm-m
Source for Rt	0.00	
Source for Rxo	0.00	

High Resolution Temperature Calibration MAI-B.J 362

Field Calibration on 28-SEP-2011 08:20

		Measured	Calibrated(Deg F)		Field Calibration on 23-SEP-2011 00:29
Lower		10.00	50.00		
Upper		100.00	212.00		
High Resolution Temperature Constants MAI-B.J 362					Last Edited on
Pre-filter Length		11			
Caliper Calibration MPD-B 183					Base Calibration on 06-JAN-2012 18:24 Field Calibration on 23-JAN-2012 13:42
Base Calibration					
Reading No		Measured	Calibrator Size (in)		
1		18208	3.99		
2		28048	5.96		
3		38240	7.99		
4		47744	9.86		
5		58880	11.93		
6		N/A	N/A		
Field Calibration					
		Measured Caliper (in)	Actual Caliper (in)		
		7.93	7.96		
Photo Density Calibration MPD-B 183					Base Calibration on 06-JAN-2012 18:08 Field Check on 23-JAN-2012 13:39
Density Calibration					
Base Calibration		Measured		Calibrated (sdu)	
		Near	Far	Near	Far
Reference 1		39679	13053	52994	19128
Reference 2		18069	1723	25185	2558
Field Check at Base					
		651.0	764.9		
Field Check					
		650.6	762.5		
PE Calibration					
Base Calibration		Measured		Calibrated	
		WS	WH	Ratio	Ratio
Background		118	586		
Reference 1		13846	39582	0.352	0.309
Reference 2		5300	17996	0.298	0.274
Field Check at Base					
		118.4	585.6		
Field Check					
		121.1	590.2		
Density Constants MPD-B 183					Last Edited on 24-JAN-2012 05:02
Density Source Id		P15771B			
Nylon Calibrator Number		527			
Aluminium Calibrator Number		527			
Density Shoe Profile		8 inch			
Caliper Source for Processing		Density Caliper			
PE Correction to Density		Not Applied			
Mud Density		1.23	gm/cc		
Mud Density Z/A Multiplier		1.11			
Mud Filtrate Density		1.00	gm/cc		
Dry Hole Mud Filtrate Density		1.00	gm/cc		
DNCT		0.00	gm/cc		
CRCT		0.00	gm/cc		
Density Z/A Correction		Hybrid			
Matrix Density (gm/cc)		Depth (ft)			
2.68		0.00			
0.00		0.00			
0.00		0.00			
0.00		0.00			
0.00		0.00			

0.00	0.00
0.00	0.00
0.00	0.00

Dipole Constants and Gains MRD-A.A 126

Logging Mode	Standard	
Semblance Parameters		
Window Start	1.00	milliseconds
Window Width	15	milliseconds

Discriminator Levels

M1C Discriminator	0.1	mV
M2C Discriminator	0.1	mV
M3C Discriminator	0.1	mV
M4C Discriminator	0.1	mV

Monopole Receiver Gains

MR1A	1.000000	MR1B	1.000000	MR1C	1.000000	MR1D	1.000000
MR2A	1.000000	MR2B	1.000000	MR2C	1.000000	MR2D	1.000000
MR3A	1.000000	MR3B	1.000000	MR3C	1.000000	MR3D	1.000000
MR4A	1.000000	MR4B	1.000000	MR4C	1.000000	MR4D	1.000000
MR5A	1.000000	MR5B	1.000000	MR5C	1.000000	MR5D	1.000000
MR6A	1.000000	MR6B	1.000000	MR6C	1.000000	MR6D	1.000000
MR7A	1.000000	MR7B	1.000000	MR7C	1.000000	MR7D	1.000000
MR8A	1.000000	MR8B	1.000000	MR8C	1.000000	MR8D	1.000000

DOWNHOLE EQUIPMENT

C:\DOCUME~1\sysadmin\LOCALS~1\Temp\Weatherford PreView\0\Wexpro Carl Allen 41_4.dta

SHA-J.A Compact Swivel Head Adaptor
SHA-J.A 225 LG: 2.30 ft WT: 22.0 lb OD: 2.24 in

Compact Comms Gamma
MCG-D.K 424 LG: 8.70 ft WT: 63.9 lb OD: 2.24 in

Compact Neutron
MDN-B.J 374 LG: 5.04 ft WT: 50.7 lb OD: 2.24 in

Compact Density/Caliper
MPD-B 183 LG: 9.59 ft WT: 90.4 lb OD: 2.45 in

MIS-D.A Compact Inline Bowspring sub
MIS-D.A 437 LG: 5.70 ft WT: 33.1 lb OD: 2.24 in

SKJ-D.A Compact Knuckle Joint
SKJ-D.A 89 LG: 2.17 ft WT: 24.3 lb OD: 2.24 in

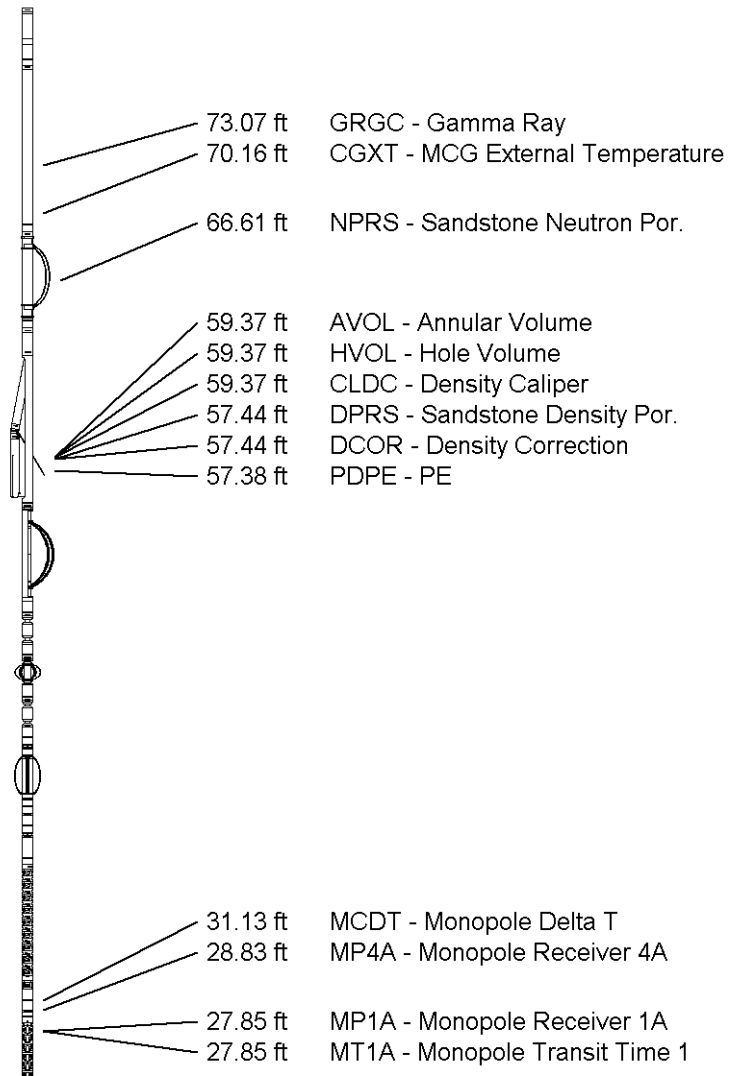
MIS-B Compact Inline Standoff sub
MIS-B 200 LG: 2.14 ft WT: 15.4 lb OD: 2.24 in

SKJ-D.A Compact Knuckle Joint
SKJ-D.A 112 LG: 2.17 ft WT: 24.3 lb OD: 2.24 in

Compact Dipole Memory
MDM-A.A 126 LG: 4.48 ft WT: 39.7 lb OD: 2.24 in

Compact Dipole Receiver
MRD-A.A 126 LG: 8.89 ft WT: 88.2 lb OD: 2.24 in

Compact Dipole Transmitter
MTD-A.A 126 LG: 12.63 ft WT: 110.2 lb OD: 2.24 in



Compact Focussed Electric
MFE-B.A 248 LG: 6.05 ft WT: 48.5 lb OD: 2.24 in

Compact Induction
MAI-B.J 362 LG: 10.81 ft WT: 48.5 lb OD: 2.24 in

Compact Hole Finder
HFS 1 LG: 0.78 ft WT: 2.2 lb OD: 2.24 in

Total Length: 81.43 ft Weight: 661.4 lb



3.34 ft R200 - Array Ind. One Res 20
3.34 ft R400 - Array Ind. One Res 40
3.34 ft R300 - Array Ind. One Res 30
3.34 ft RTAO - Array Ind. One Res Rt
3.34 ft R850 - Array Ind. One Res 85
3.34 ft R600 - Array Ind. One Res 60
0.23 ft SPCG - Spontaneous Potential

Tool Zero (0.91ft from bottom)
-0.91 ft SMTU - DST Uphole Tension
All measurements relative to tool zero.

COMPANY WEXPRO COMPANY
WELL CARL ALLEN 41
FIELD POWDER WASH
PROVINCE/COUNTY MOFFAT
COUNTRY/STATE USA/COLORADO

Elevation Kelly Bushing	6689.00	feet	First Reading	6877.00	feet
Elevation Drill Floor	6689.00	feet	Depth Driller	9520.00	feet
Elevation Ground Level	6660.00	feet	Depth Logger	6880.00	feet



Weatherford®

ARRAY INDUCTION
LOGS

