



Weatherford

CALIPER LOG

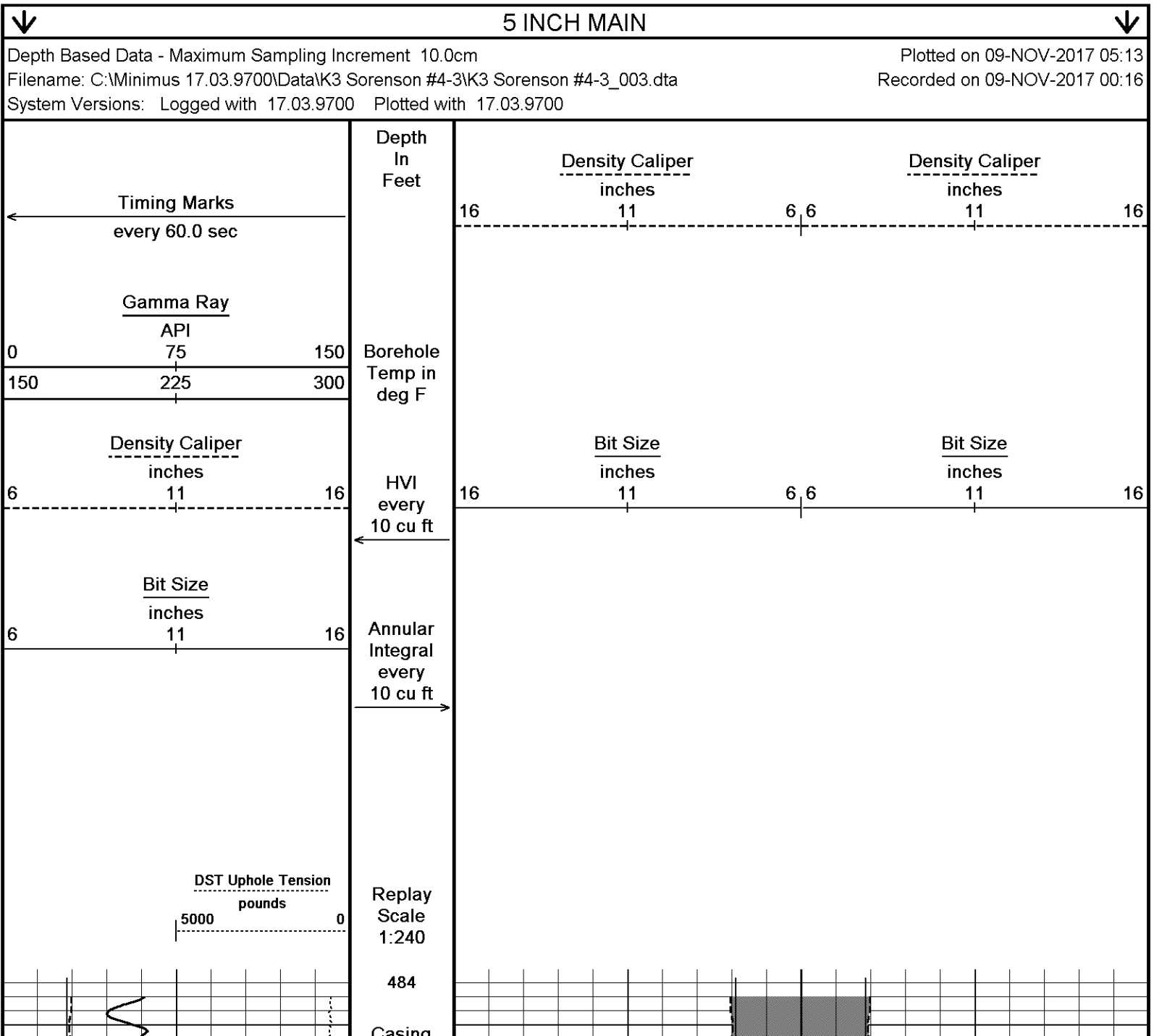
COMPANY			K3 OIL & GAS OPERATING COMPANY		
WELL			SORENSEN #4-3		
FIELD			WILDCAT		
PROVINCE/COUNTY			LINCOLN		
COUNTRY/STATE			U.S.A. / COLORADO		
LOCATION			650' FNL & 650' FWL		
SEC 3	TWP 16S	RGE 55W	Other Services		
Latitude			Permanent Datum Gl. Elevation 5030 feet Log Measured From KB, 18.00 feet above Permanent Datum Drilling Measured From KB		
Longitude					
API Number					
05-073-06727					
Date			08-NOV-2017	Elevations: KB DF GL	
Run Number			ONE	feet 5048.00 5046.00 5030.00	
Service Order			4558-197333139		
Depth Driller			7550.00	feet	
Depth Logger			7550.00	feet	
First Reading			7518.00	feet	
Last Reading			496.00	feet	
Casing Driller			496.00	feet	
Casing Logger			496.00	feet	
Bit Size			7.875	inches	
Hole Fluid Type			CHEMICAL		
Density / Viscosity			9.40 lb/USg	83.00 CP	
PH / Fluid Loss			10.00	7.20 ml/30Min	
Sample Source			FLOWLINE		
Rm @ Measured Temp			1.76 @ 75.0	ohm-m	
Rmf @ Measured Temp			1.41 @ 75.0	ohm-m	
Rmc @ Measured Temp			2.11 @ 75.0	ohm-m	
Source Rmf / Rmc			CALC	CALC	
Rm @ BHT			0.74 @178.0	ohm-m	
Time Since Circulation			5 HOURS		
Max Recorded Temp			178.00	deg F	
Equipment / Base			13096	LIB	
Recorded By			ADAM SILL		
Witnessed By			RANDY SAY	JOHN MARVIN	
Witnessed By			SUSAN RAINBOLT		

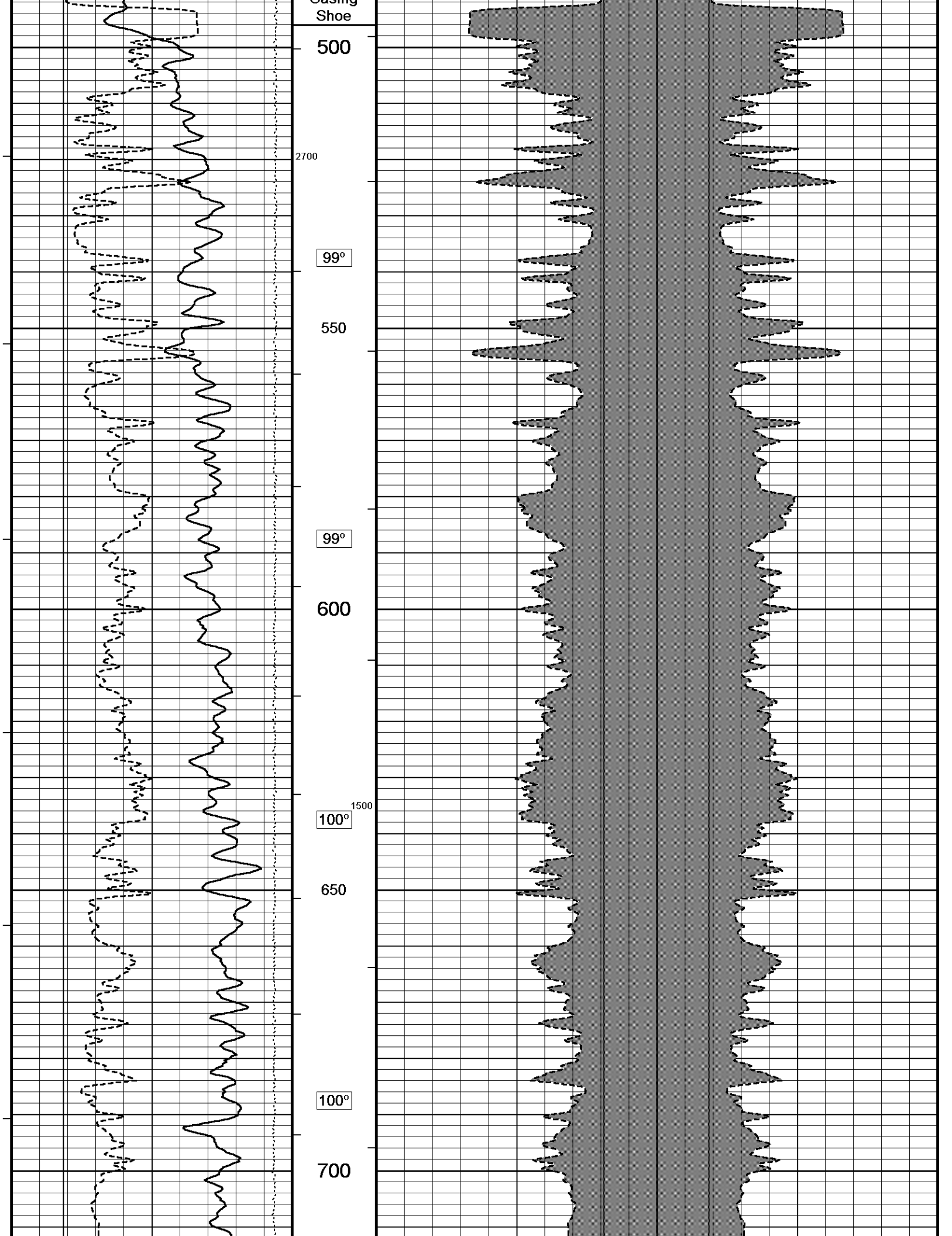
BOREHOLE RECORD					Last Edited: 08-NOV-2017 09:44
Bit Size inches		Depth From feet		Depth To feet	
7.875		496.00		7550.00	
CASING RECORD					
Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft	
SURFACE	13.375	0.00	496.00	48.00	

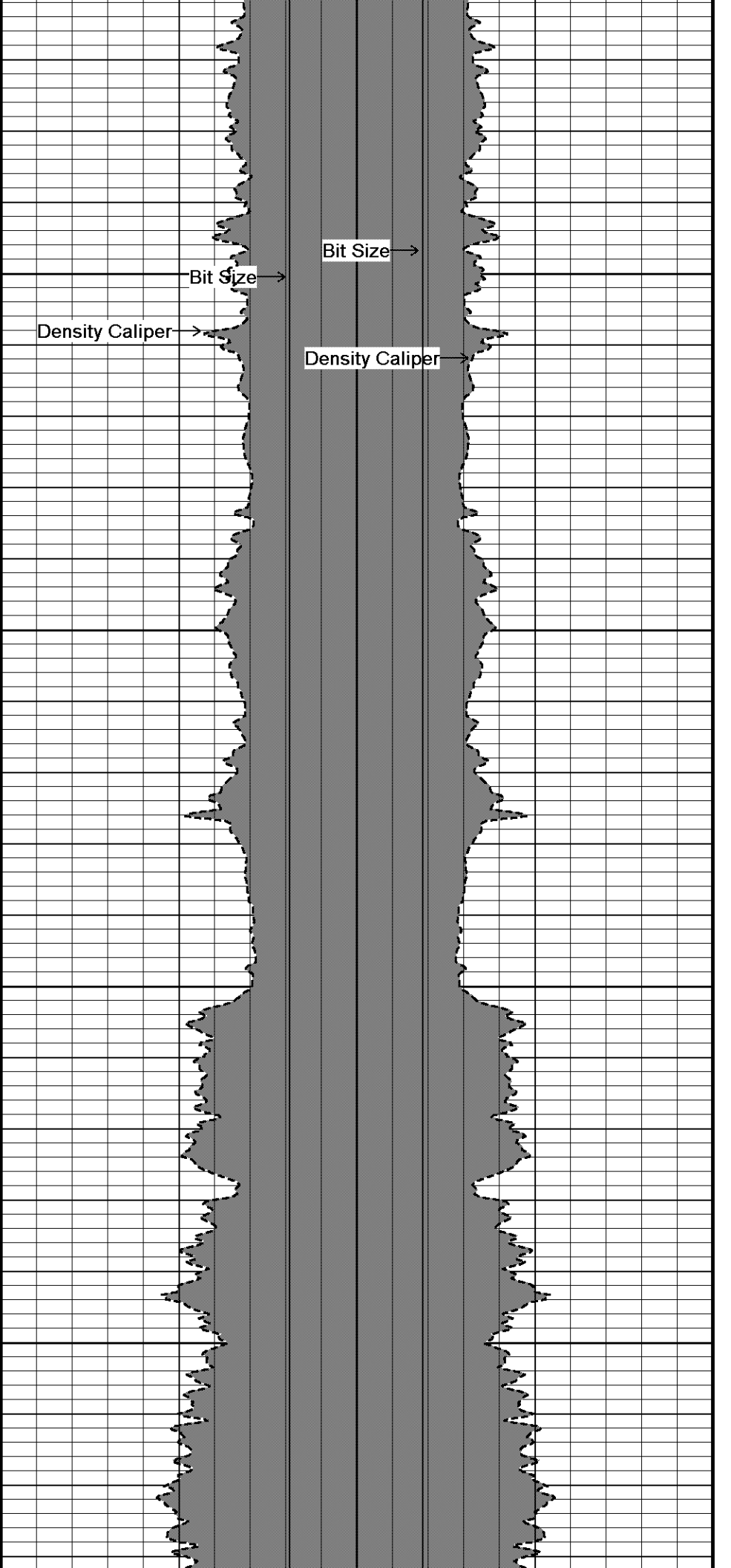
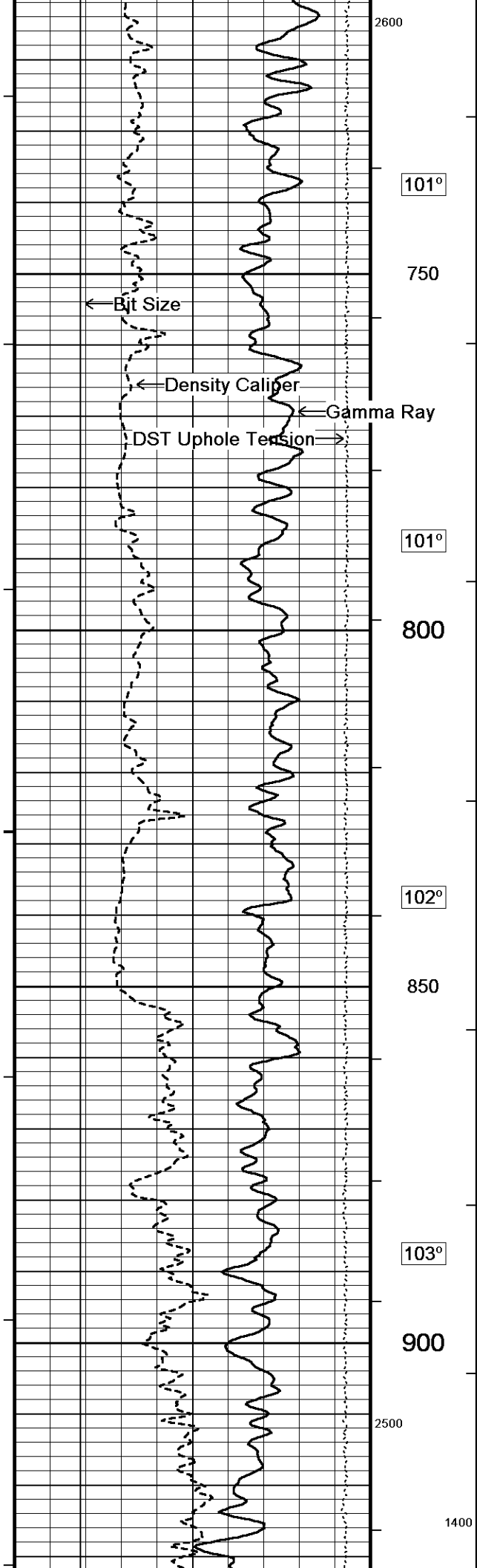
REMARKS
- SOFTWARE ISSUE: WLS 17.03.9700.
- RUN ONE: MCG, MML, MDN, MPD, MFE, MSS, MAI RUN IN COMBINATION. - HARDWARE: DUAL BOWSPRING USED ON MDN. 0.5 INCH STANDOFF USED ON MFE. TWO 0.5 INCH STANDOFFS USED ON MSS. 0.5 INCH STANDOFF USED ON MAI.
- 2.71 G/CC LIMESTONE DENSITY MATRIX USED TO CALCULATE POROSITY.
- BOREHOLE RUGOSITY, TIGHT PULLS, AND WASHOUTS WILL AFFECT DATA QUALITY.
- ALL INTERVALS LOGGED AND SCALED PER CUSTOMER'S REQUEST.
- TOTAL HOLE VOLUME FROM TD TO SURFACE CASING: 2712 CU.FT.
- ANNULAR HOLE VOLUME WITH 5.5 INCH PRODUCTION CASING FROM TD TO 2500 FEET: 914 CU.FT.

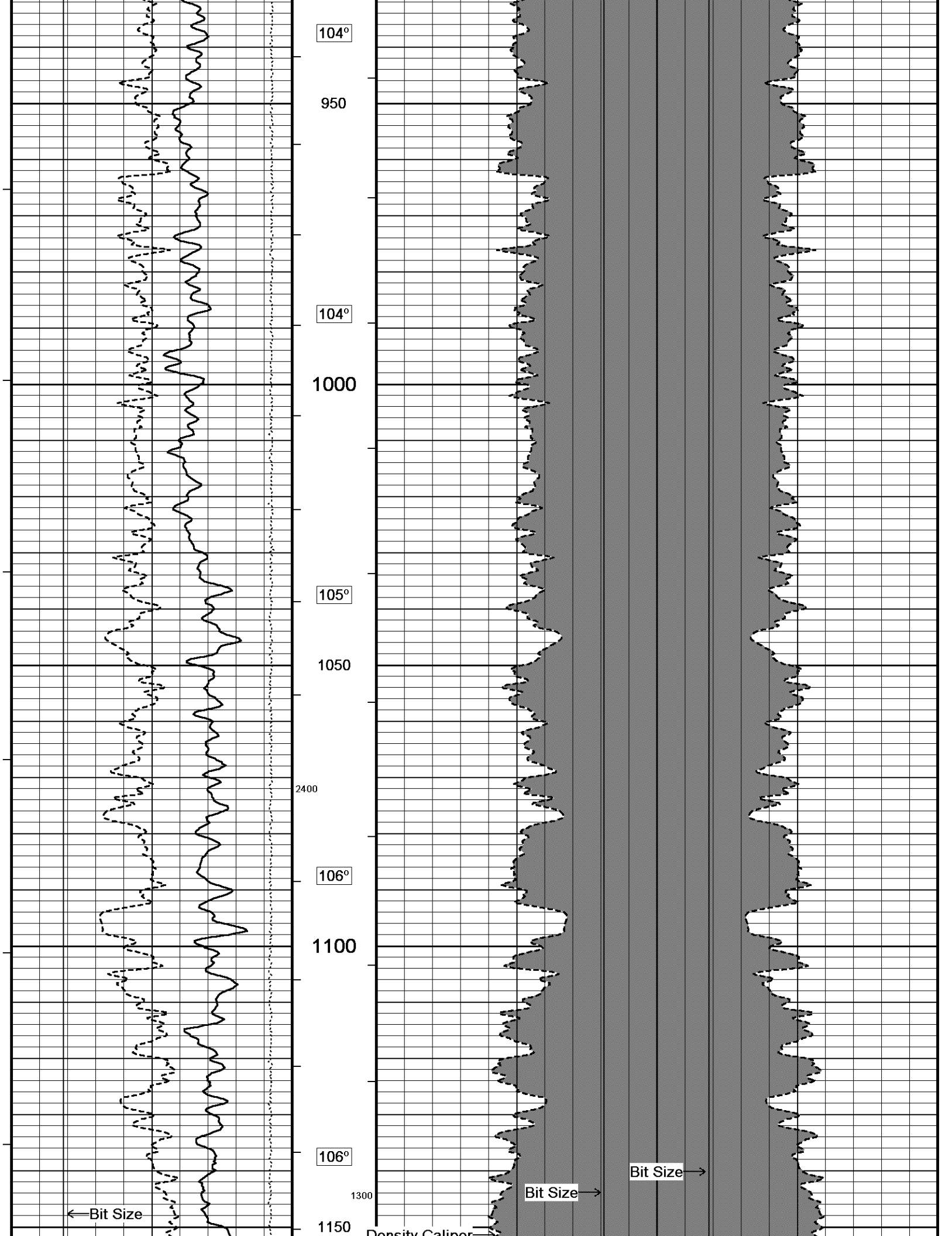
- RIG: WW DRILLING #20.
- ENGINEER: A. SILL.
- OPERATOR: B. TOVAR, J. HOLCOMB.

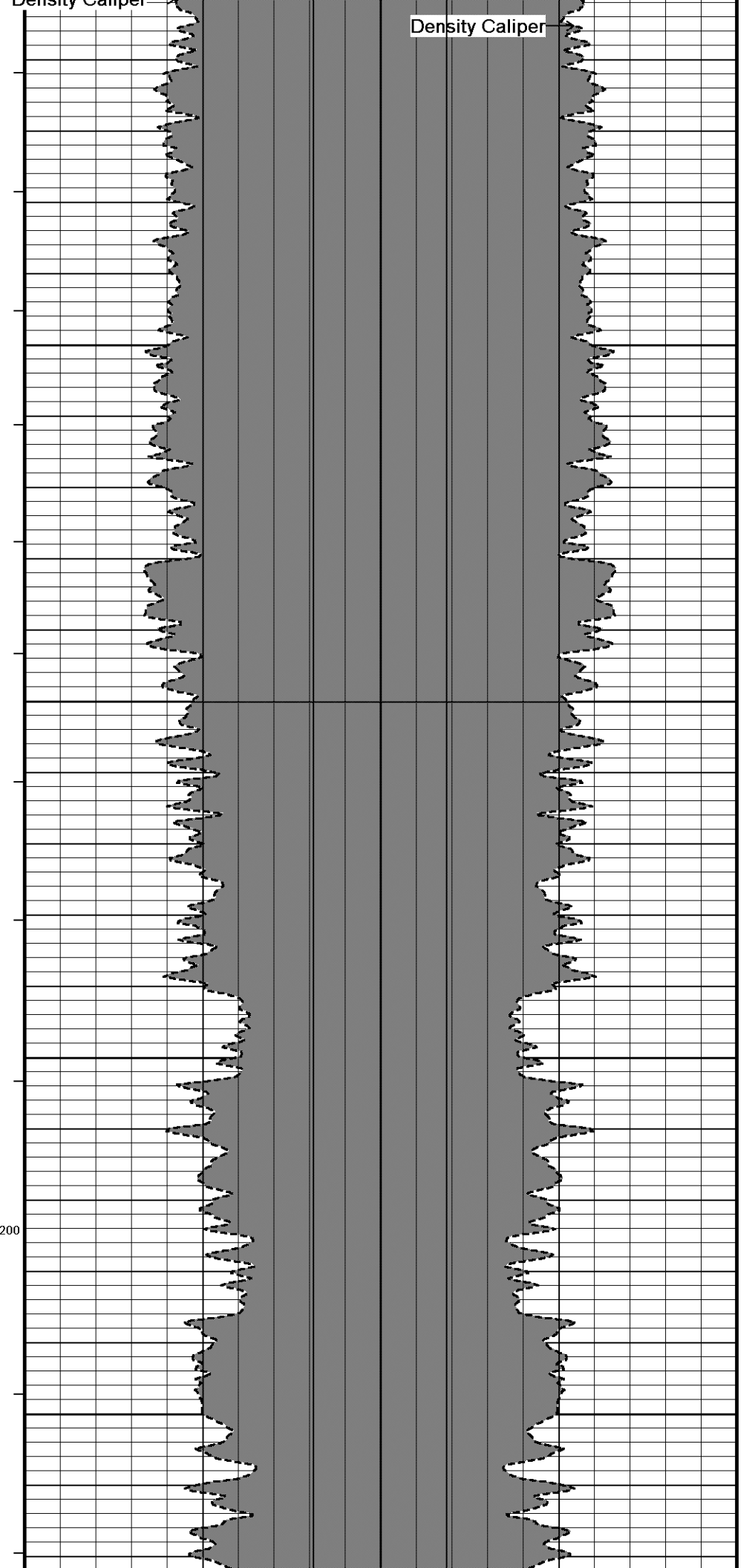
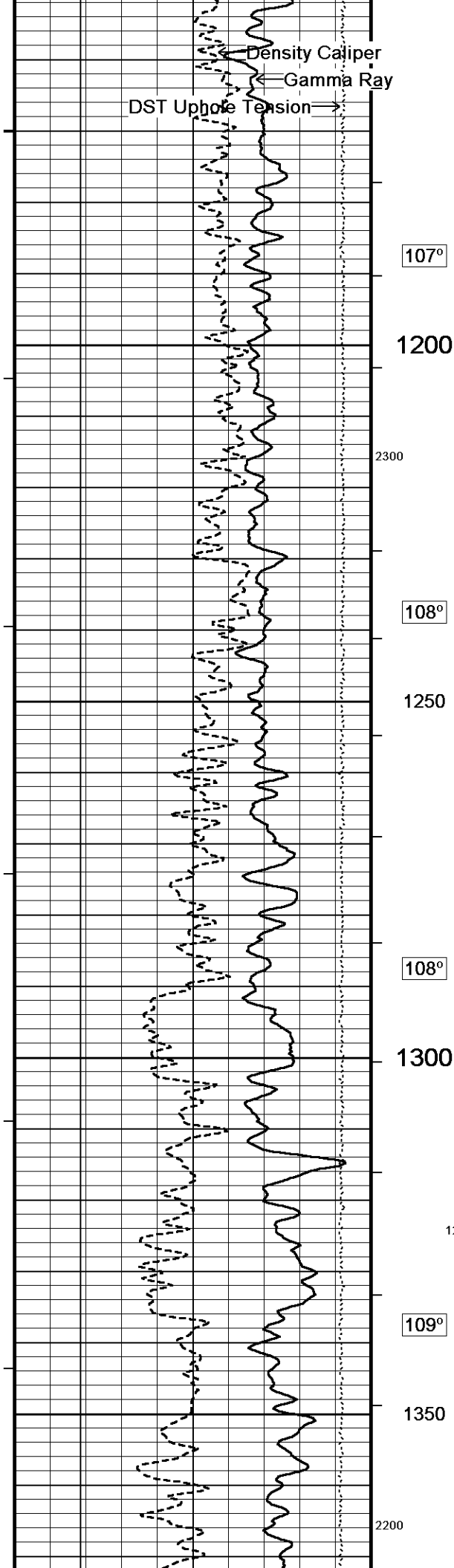
In interpreting, communicating or providing information and/or making recommendations, either written or oral, as to logs or test or other data, type or amount of material, or Work or other service to be furnished, or manner of performance, or in predicting results to be obtained, the Contractor will give the Company the benefit of the Contractor's best judgment based on its experience and will perform all such Work in a good and workmanlike manner. Any interpretation of test or other data, and any recommendation or reservoir description based upon such interpretations, are opinions based upon inferences from measurements and empirical relationships and assumptions, which inferences and assumptions are not infallible, and with respect to which professional engineers and analysts may differ. ACCORDINGLY ANY INTERPRETATION OR RECOMMENDATION RESULTING FROM THE SERVICES WILL BE AT THE SOLE RISK OF THE COMPANY, AND THE CONTRACTOR CANNOT AND DOES NOT WARRANT THE ACCURACY, CORRECTNESS OR COMPLETENESS OF ANY SUCH INTERPRETATION OR RECOMMENDATION, WHICH INTERPRETATIONS AND RECOMMENDATIONS SHOULD NOT, THEREFORE, UNDER ANY CIRCUMSTANCES BE RELIED UPON AS THE SOLE OR MAIN BASIS FOR ANY DRILLING, COMPLETION, WELL TREATMENT, PRODUCTION OR FINANCIAL DECISION, OR ANY PROCEDURE INVOLVING ANY RISK TO THE SAFETY OF ANY DRILLING ACTIVITY, DRILLING RIG OR ITS CREW OR ANY OTHER INDIVIDUAL. THE COMPANY HAS FULL RESPONSIBILITY FOR ALL DECISIONS CONCERNING THE SERVICES.

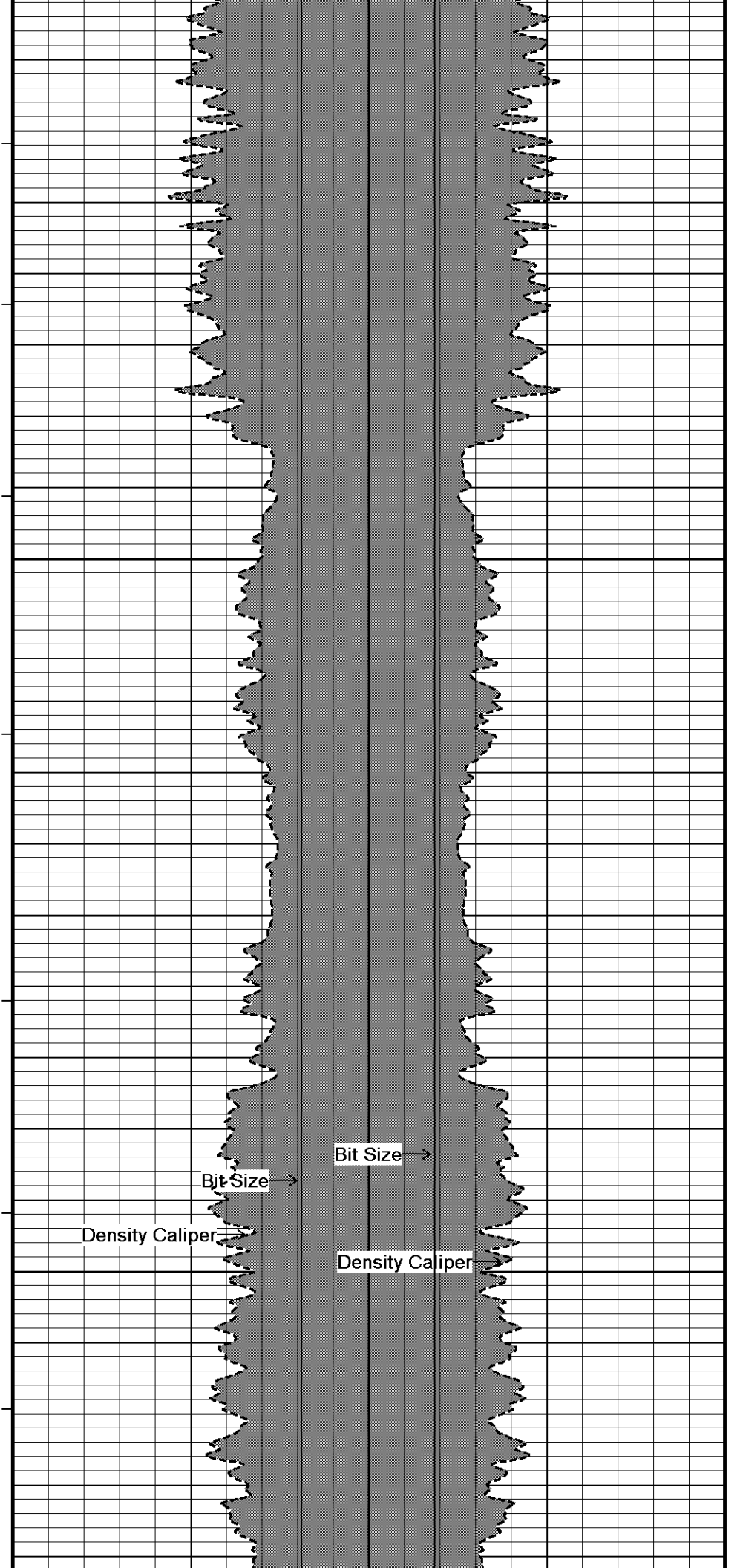
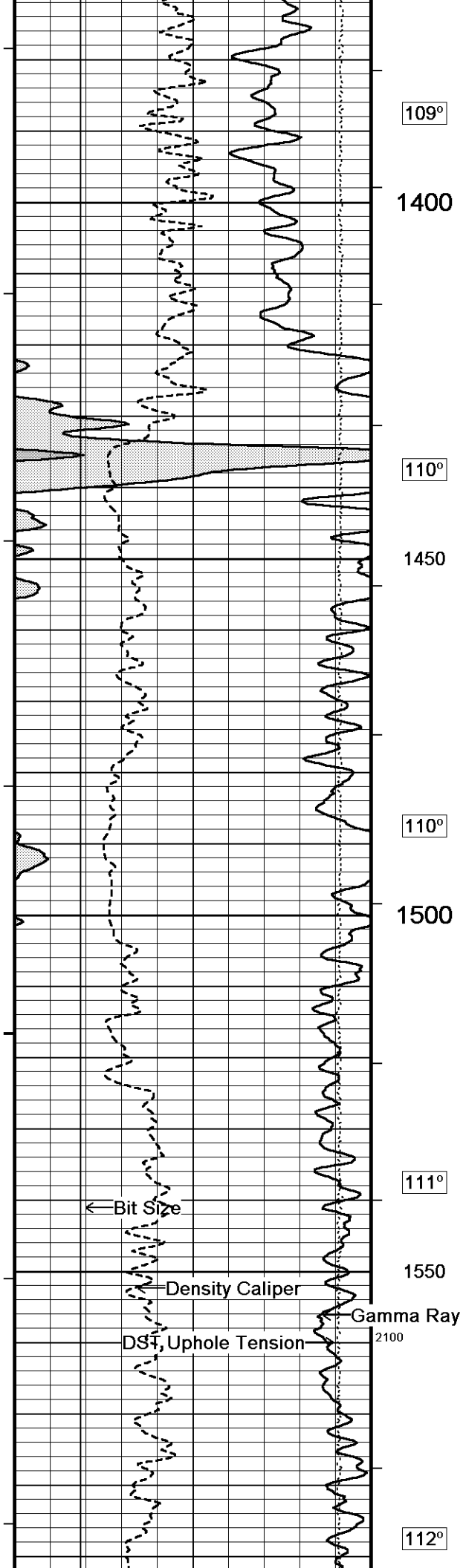


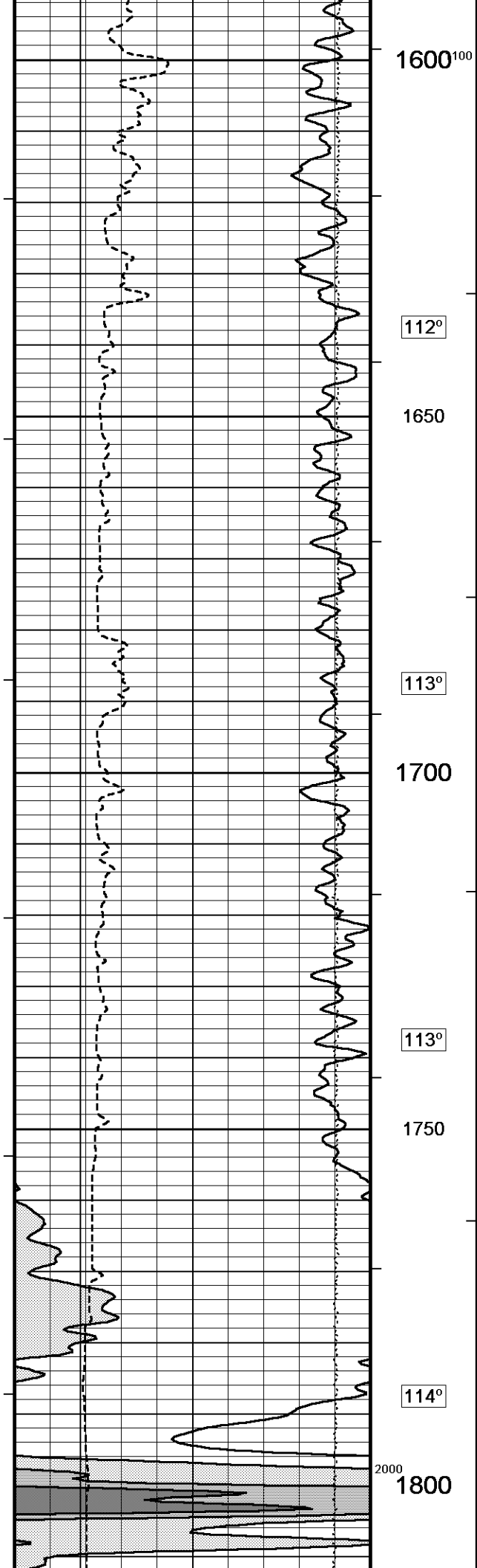












1600¹⁰⁰

112°

1650

113°

1700

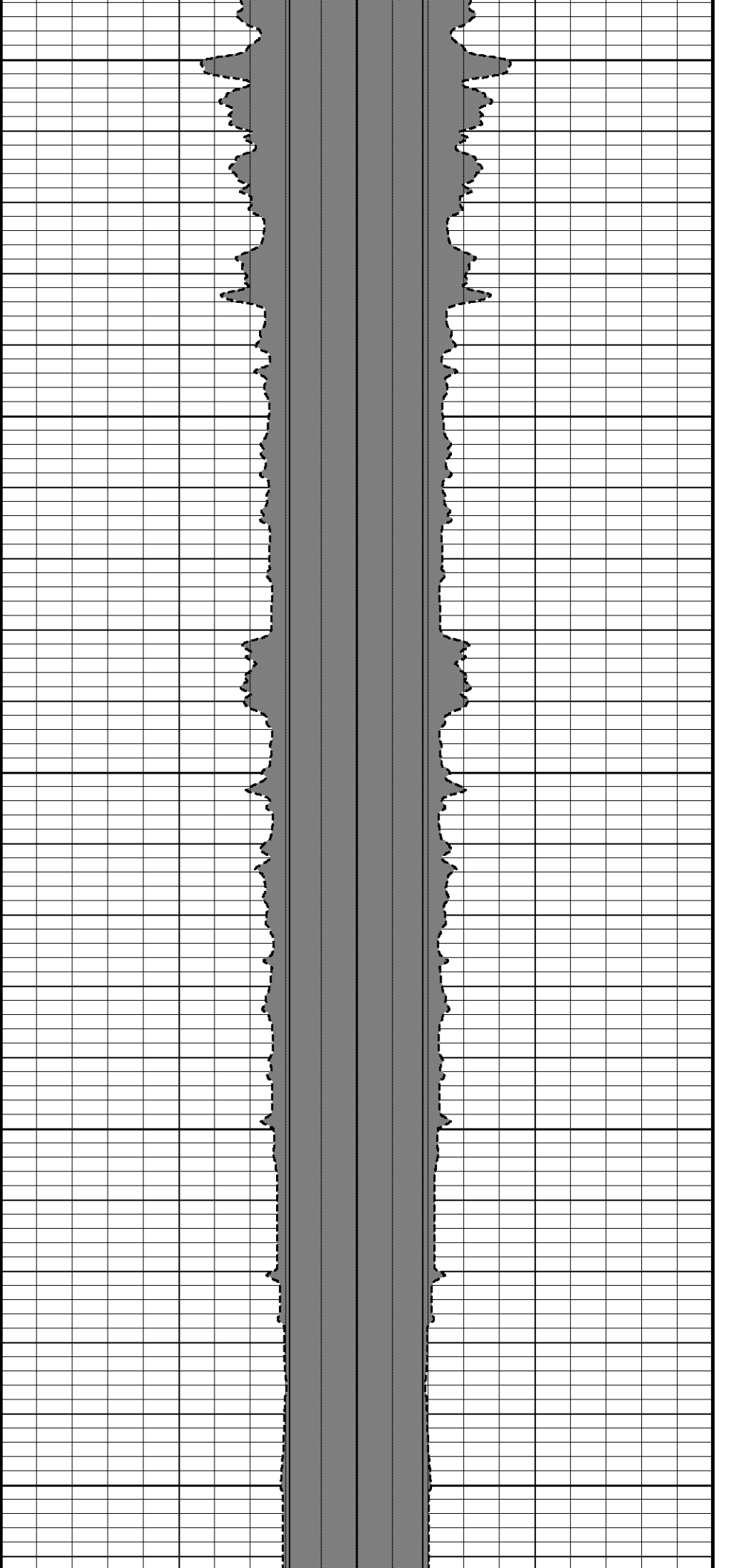
113°

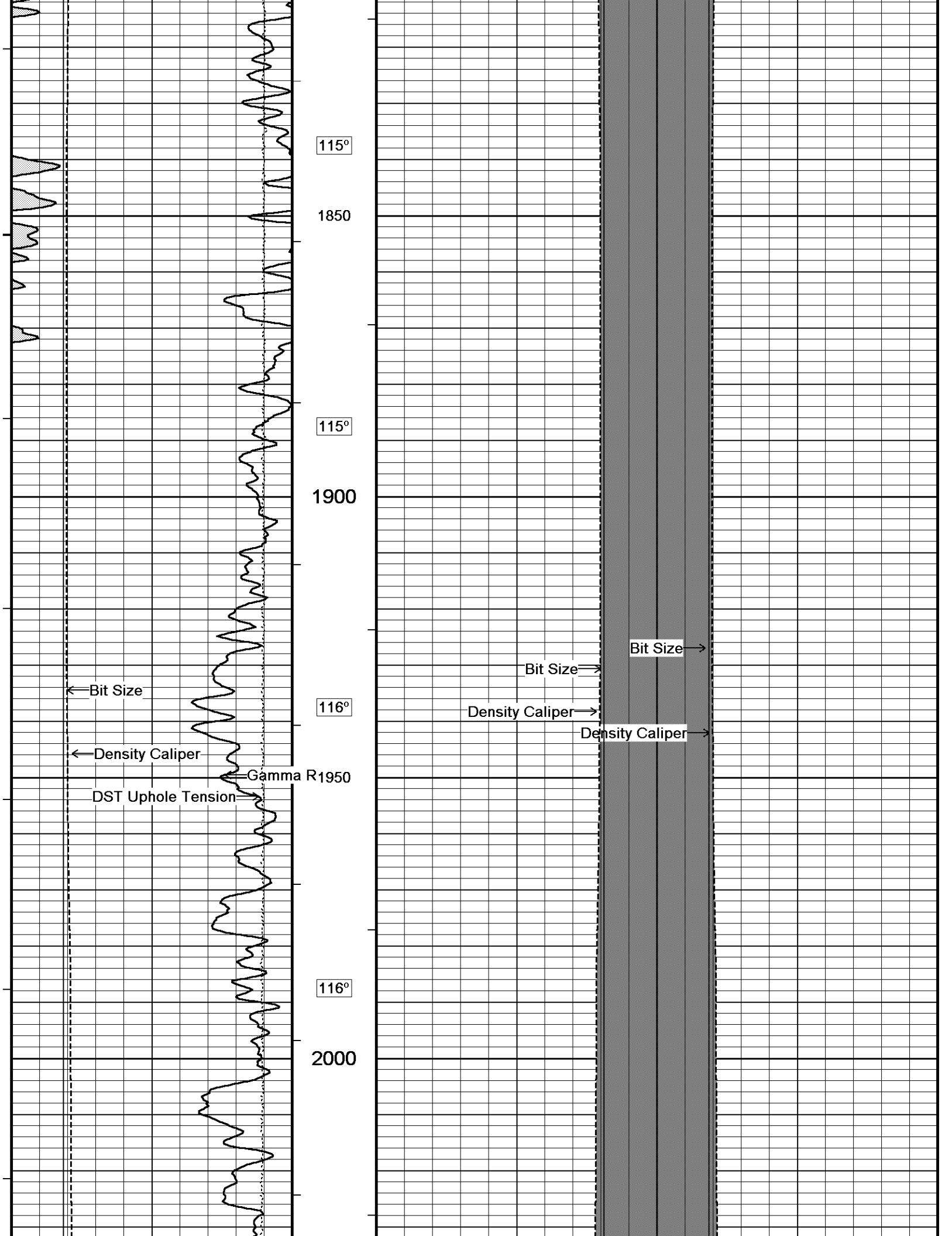
1750

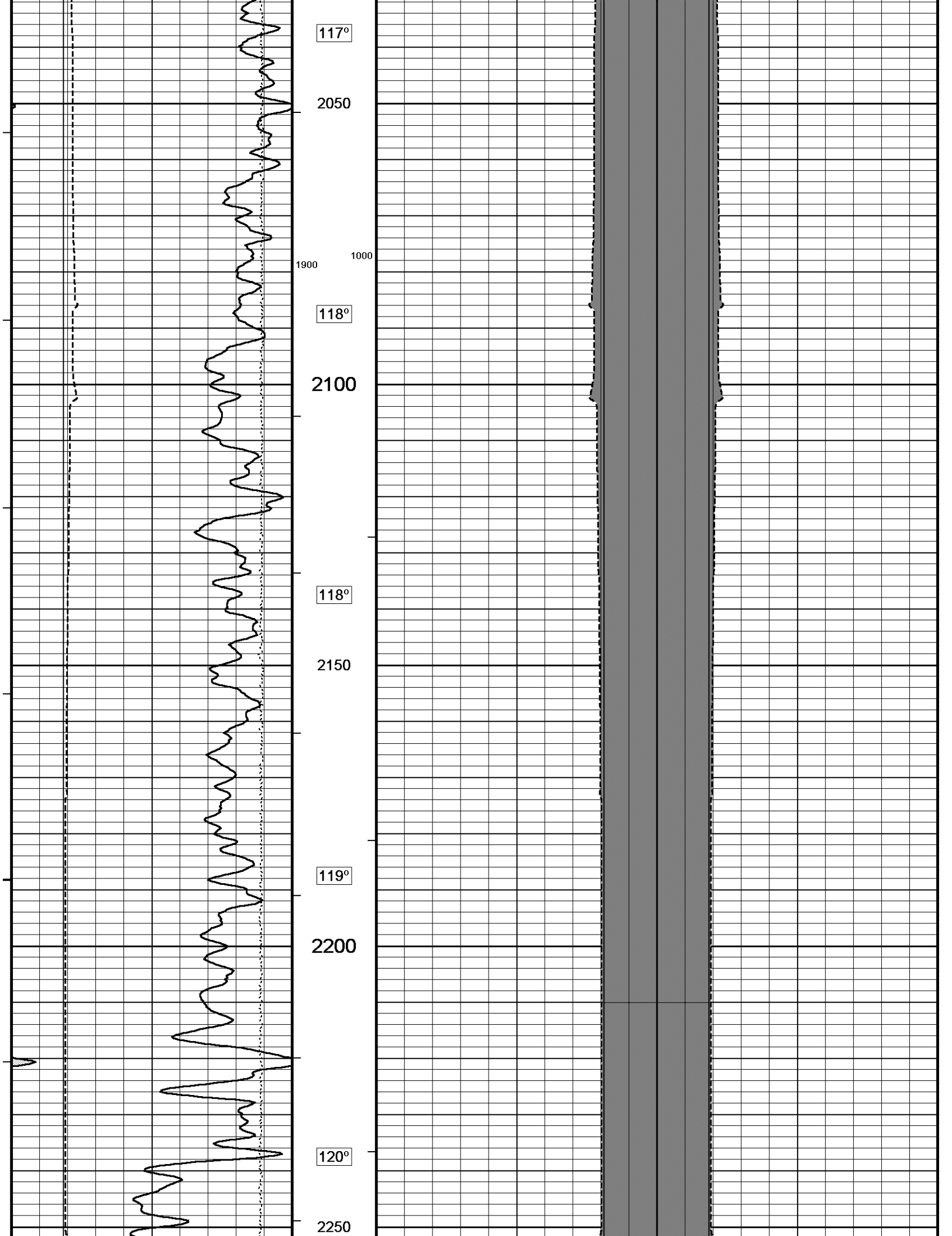
114°

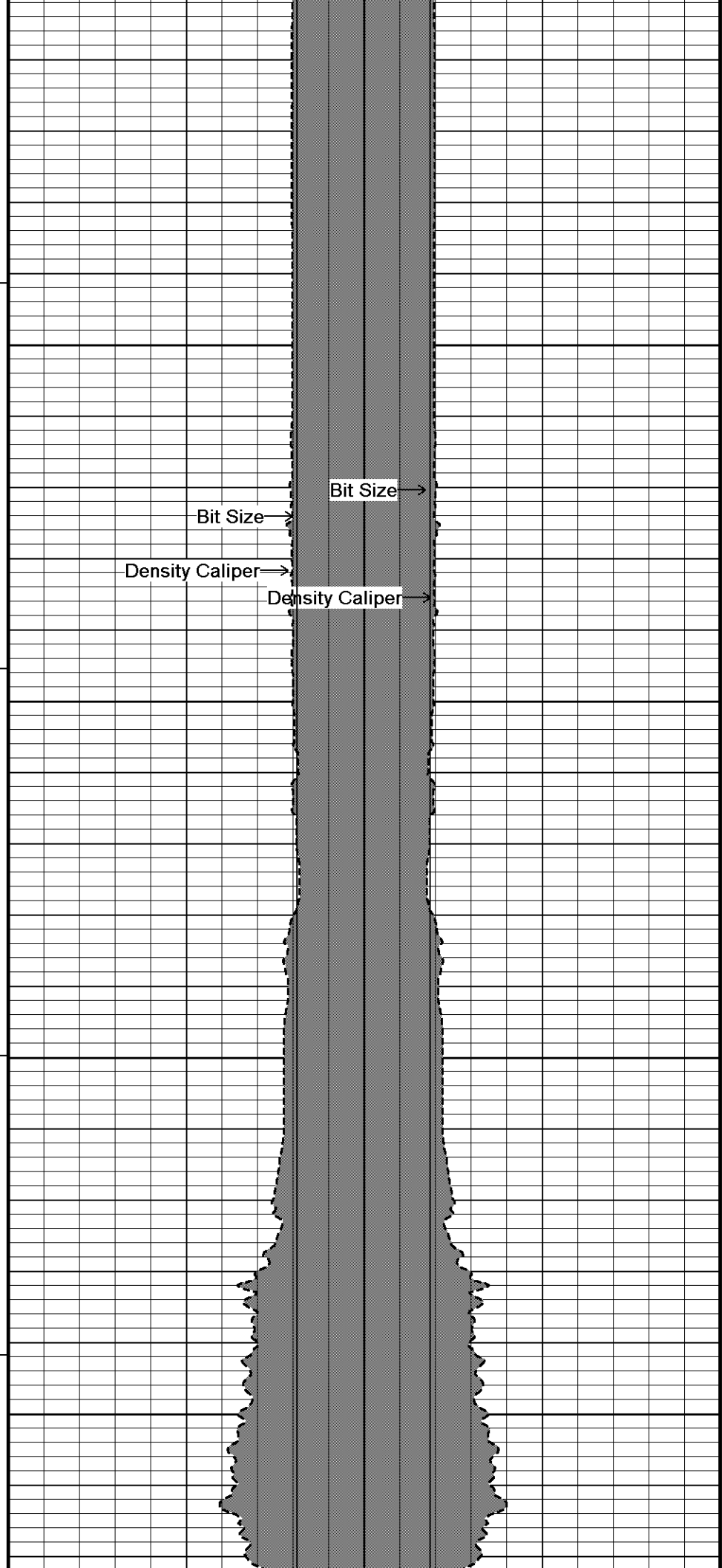
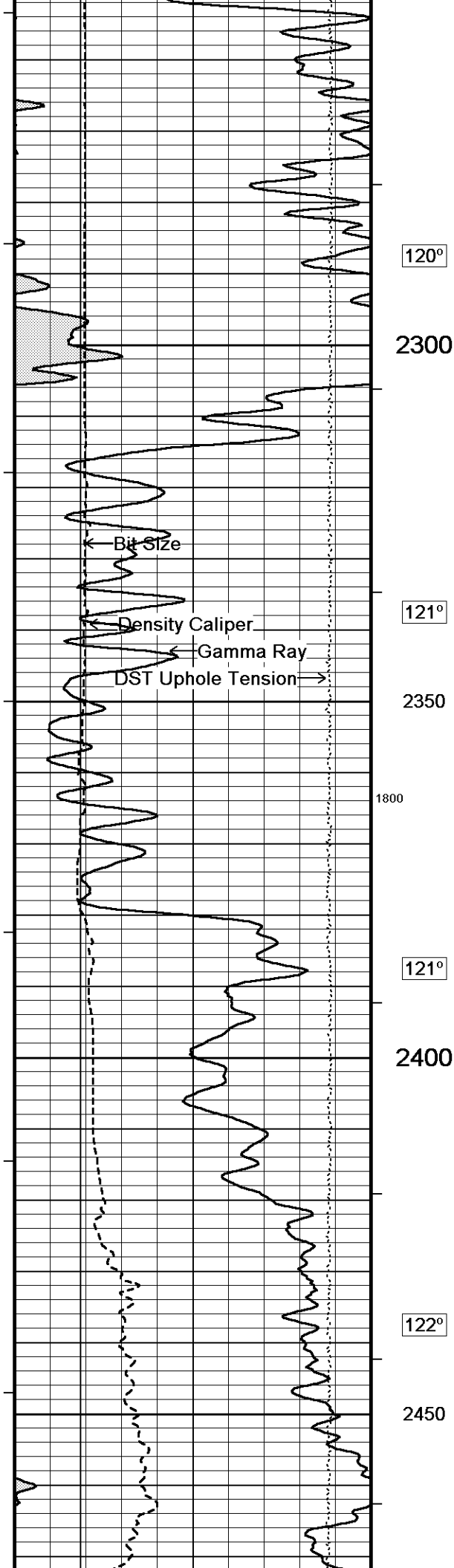
2000

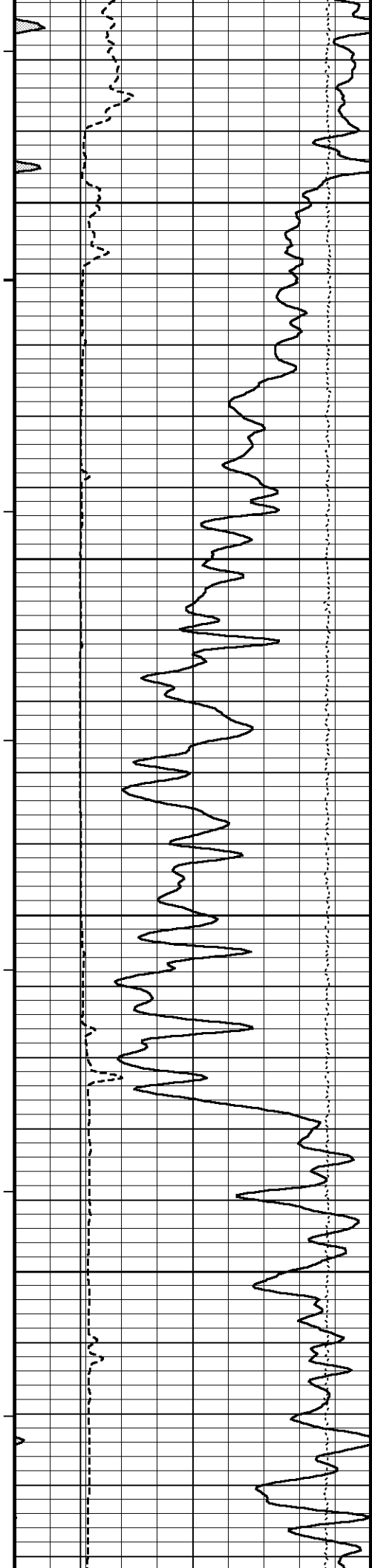
1800











123°

2500

123°

2550

900

124°

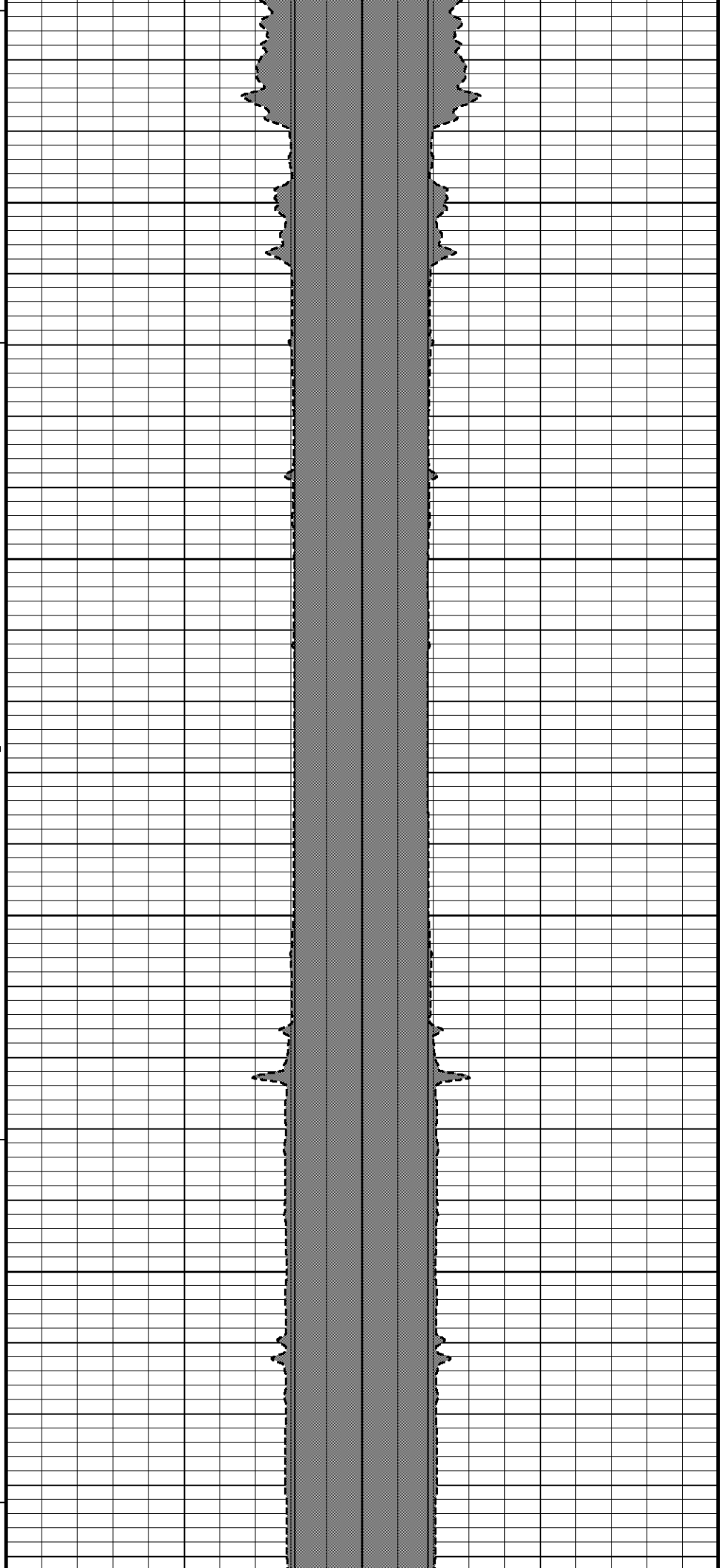
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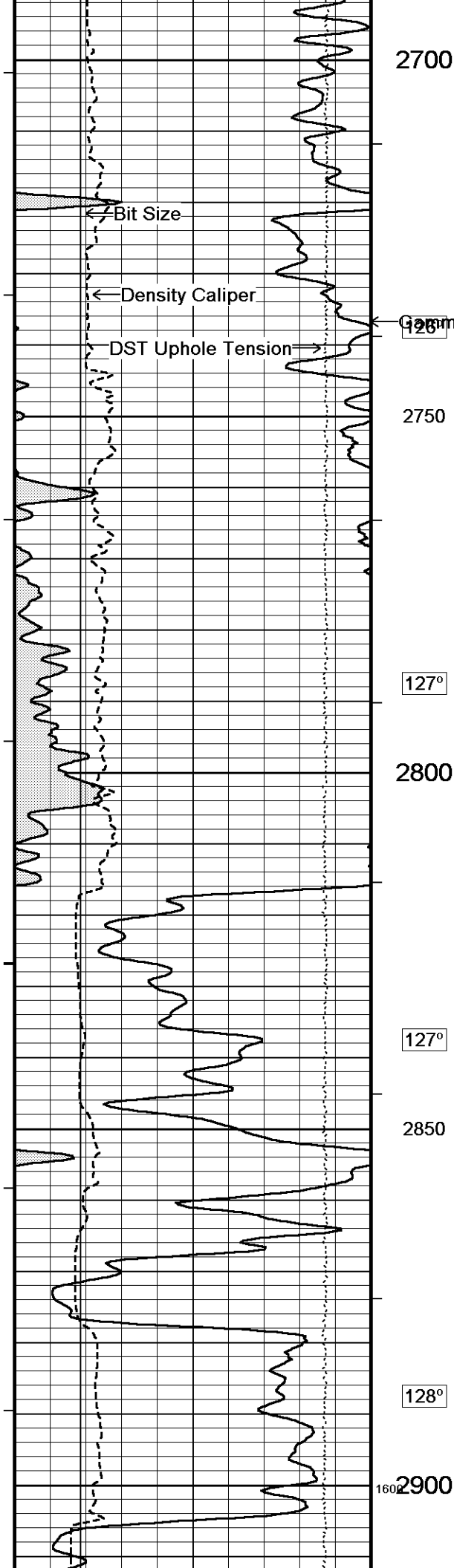
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125°

2650

125°





2700

2750

2800

2850

2900

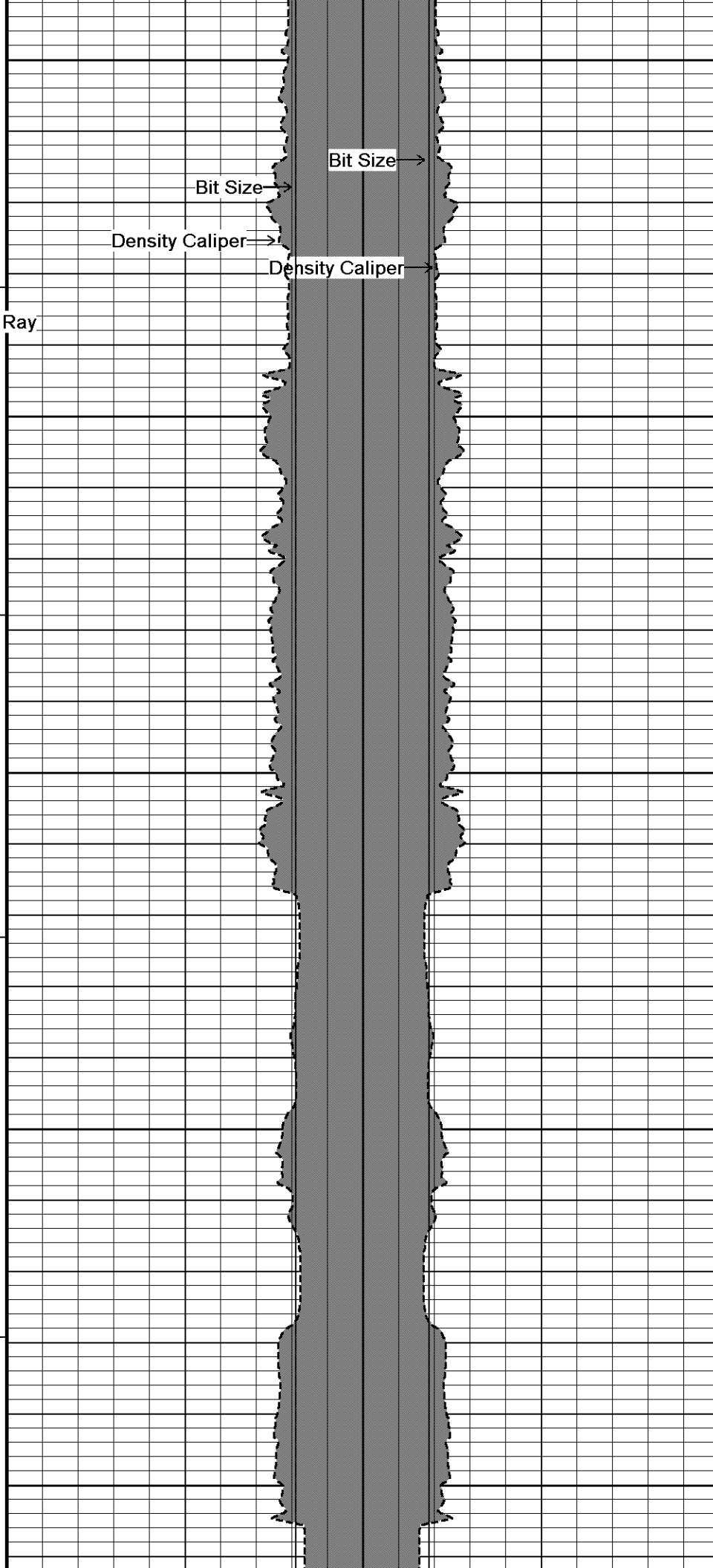
1602

Gamma Ray

127°

127°

128°

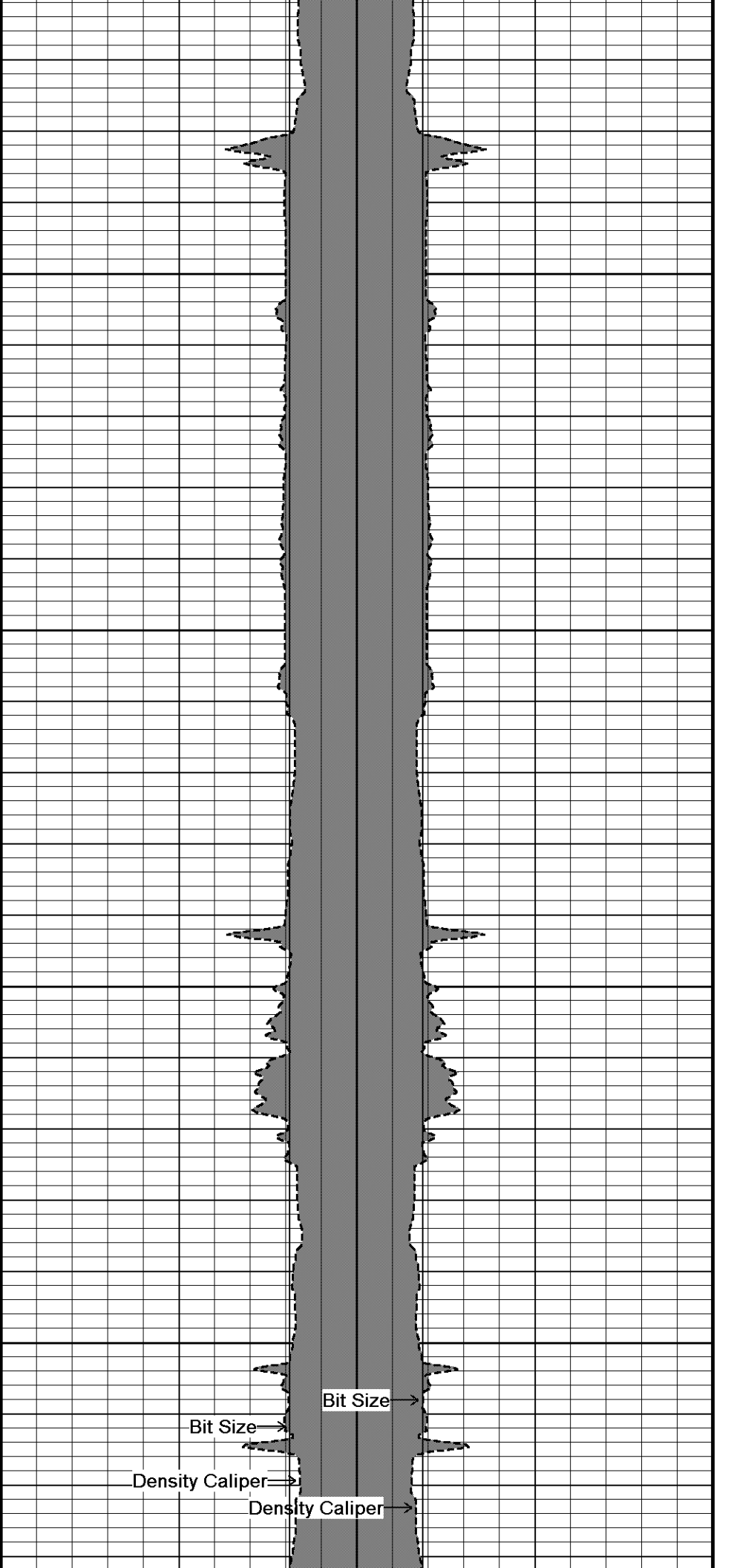
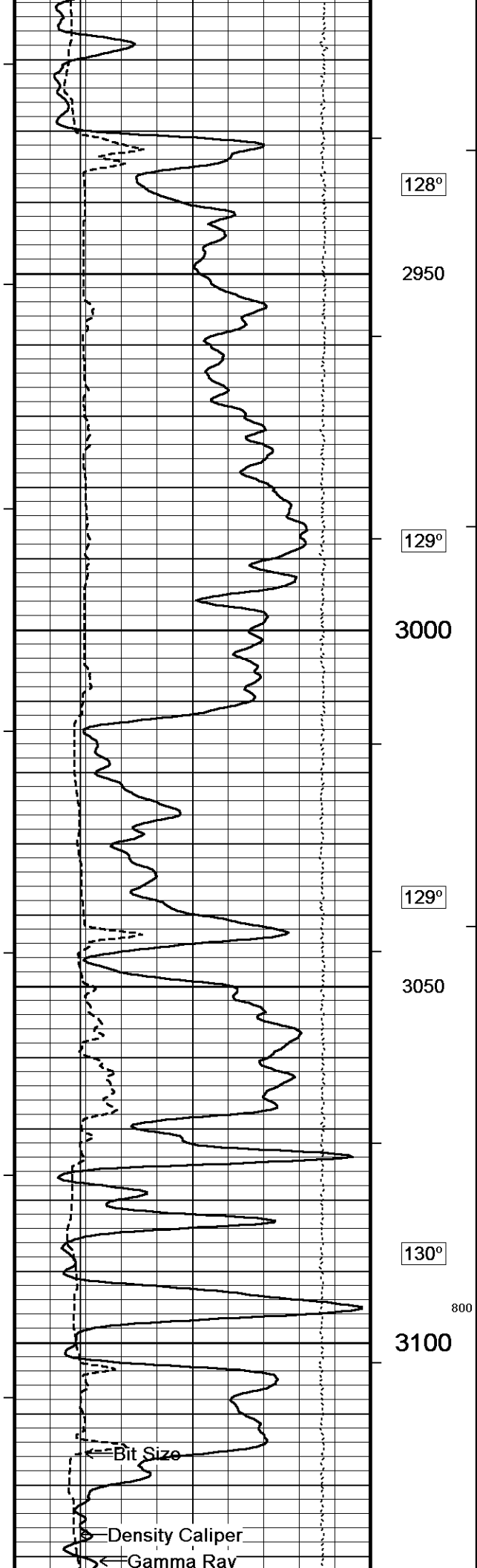


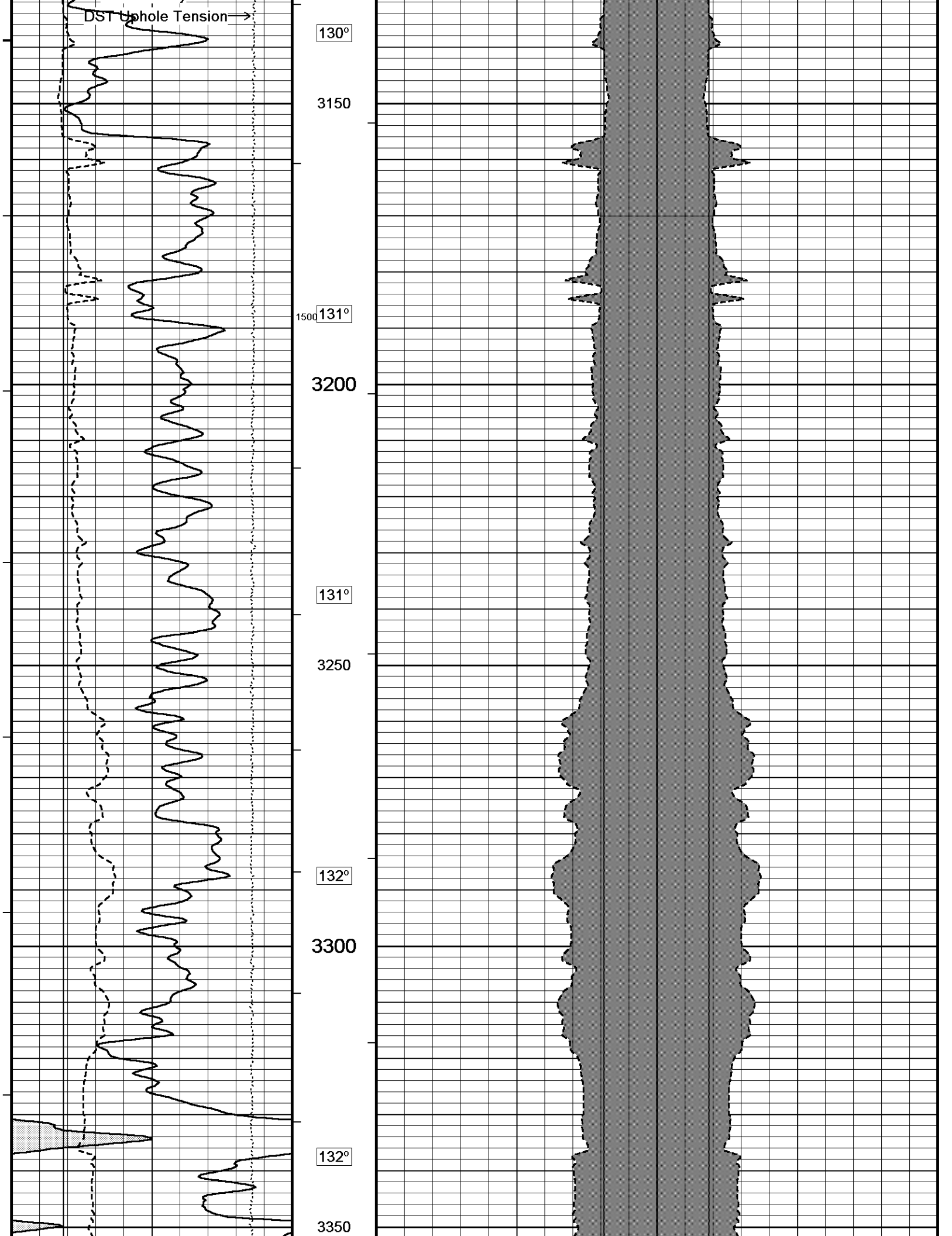
Bit Size

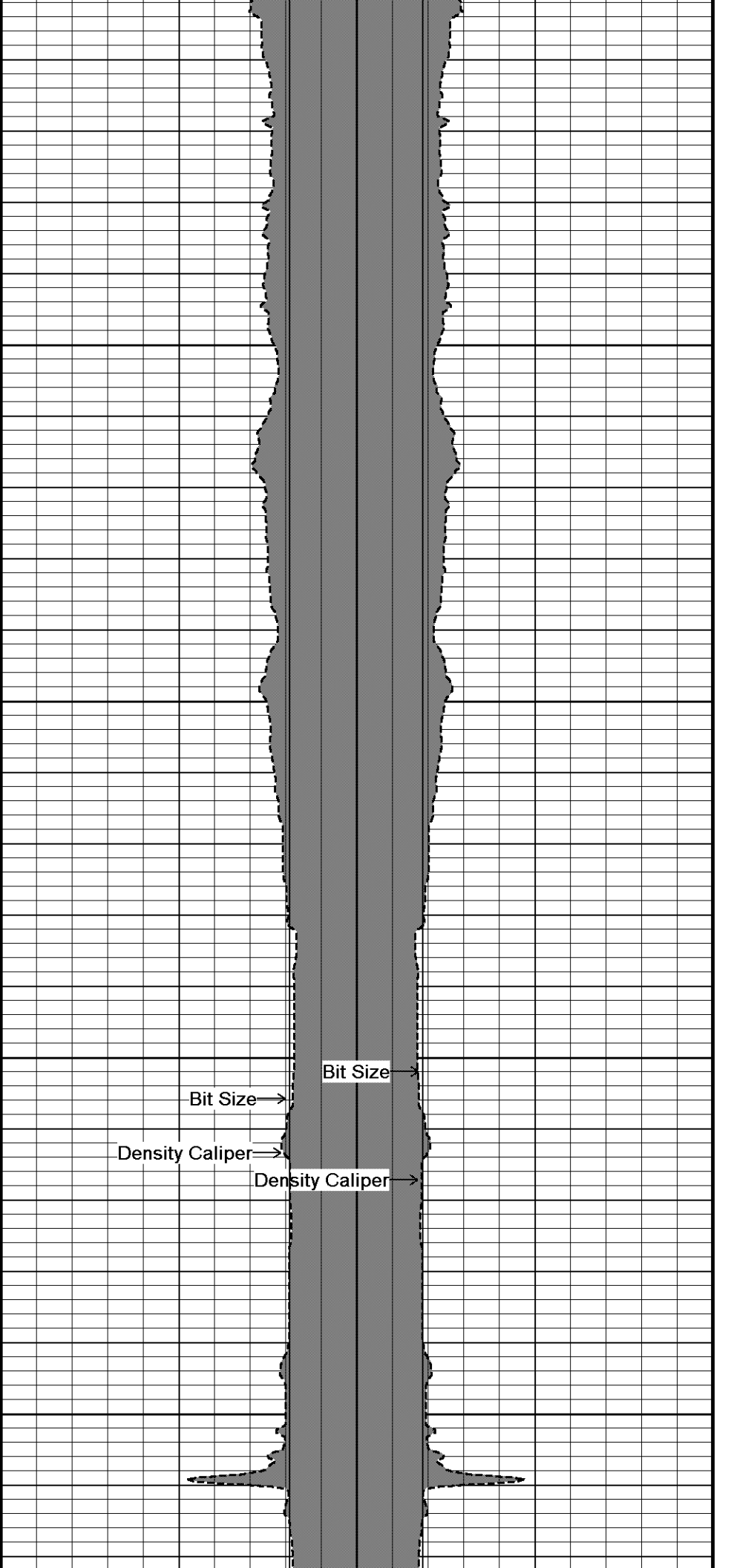
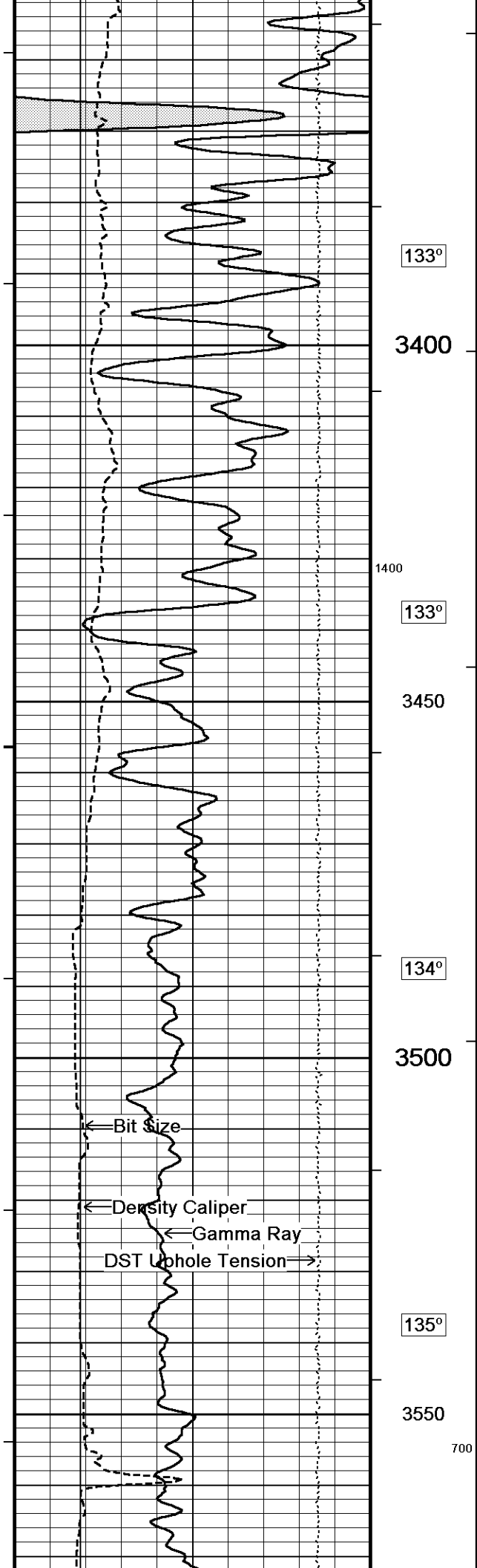
Density Caliper

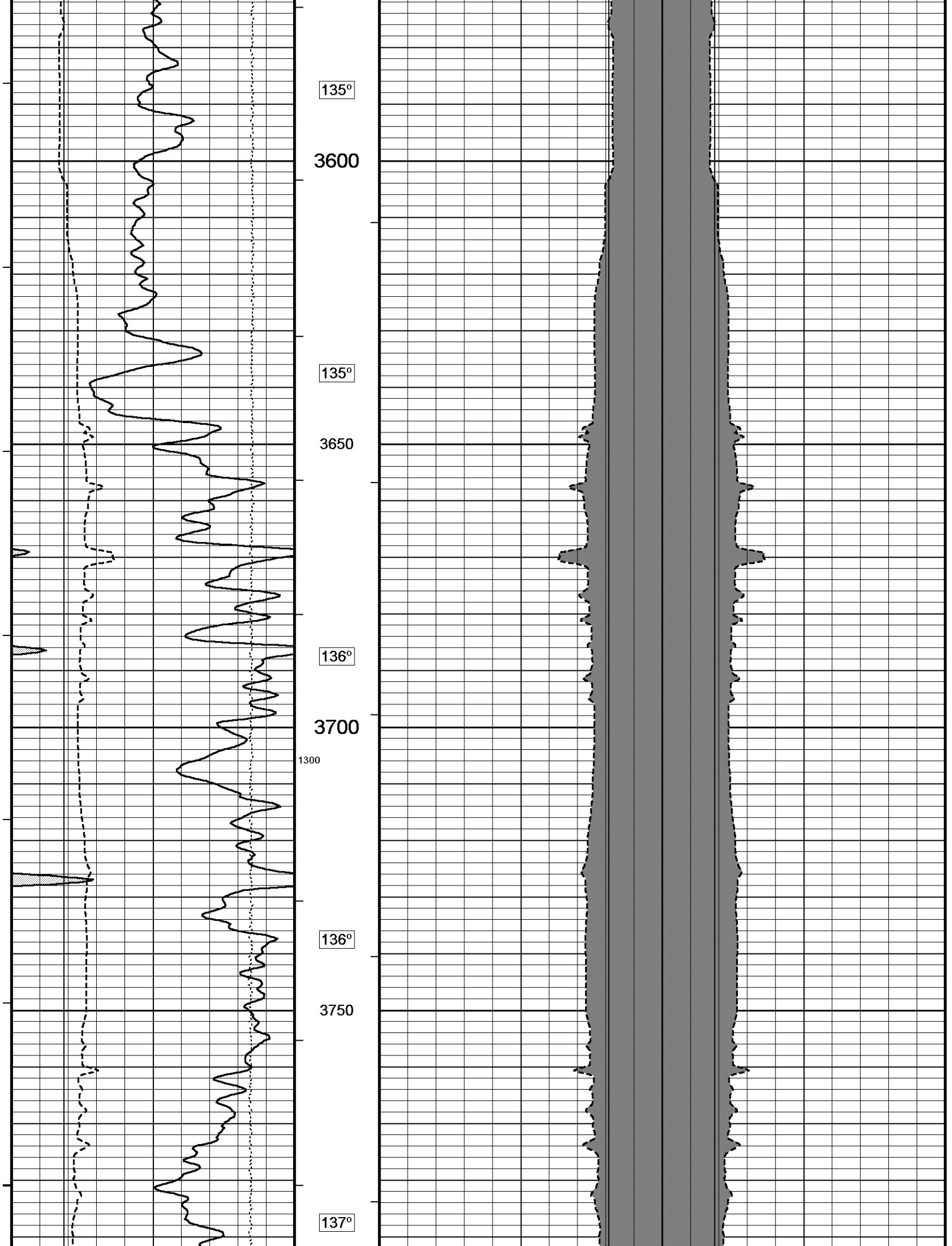
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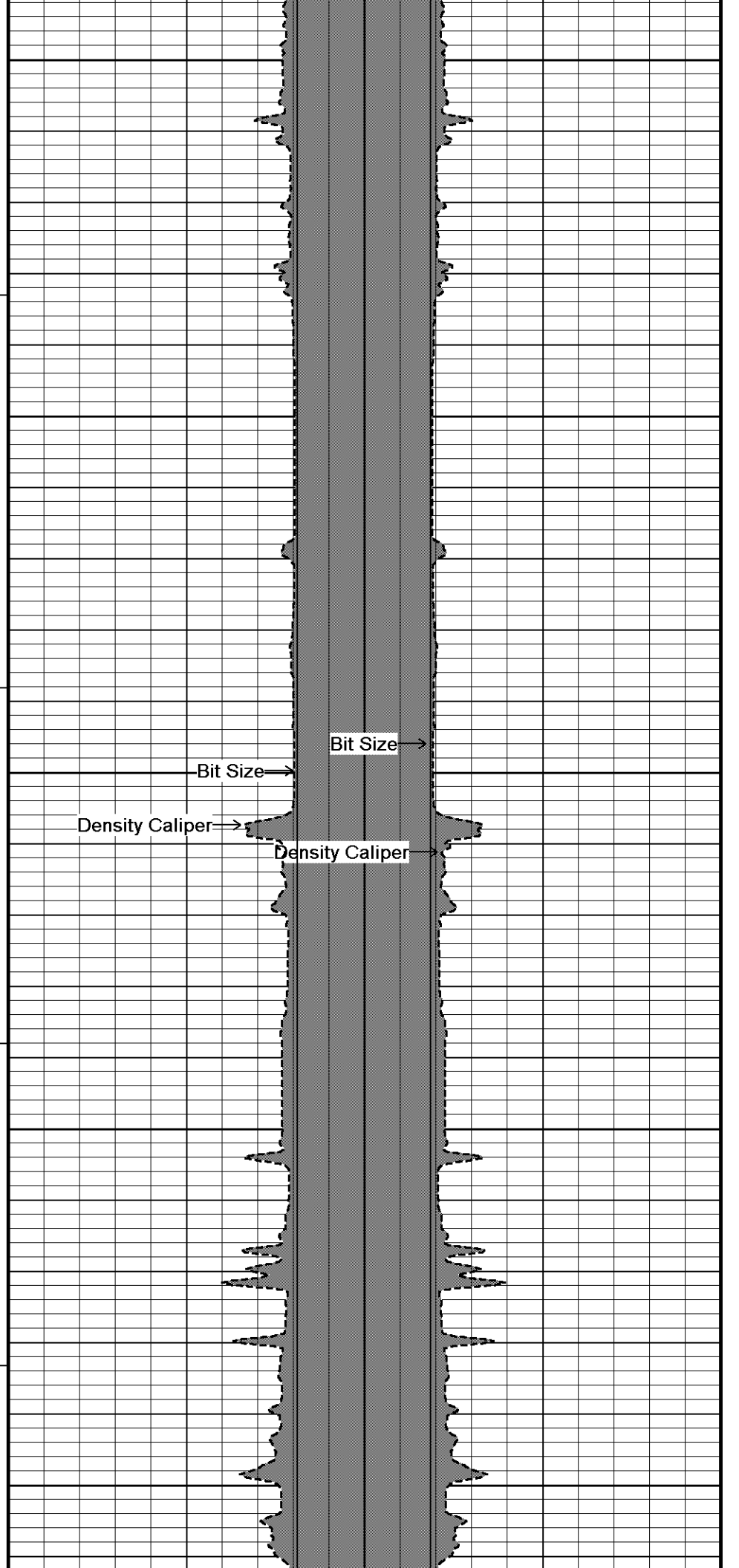
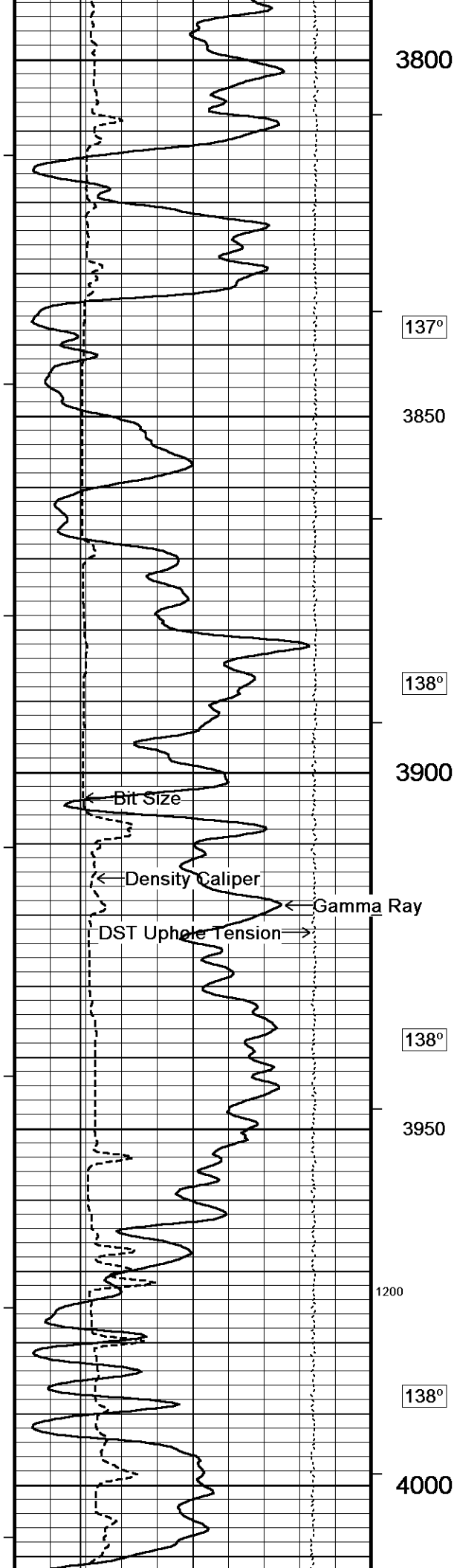
Density Caliper

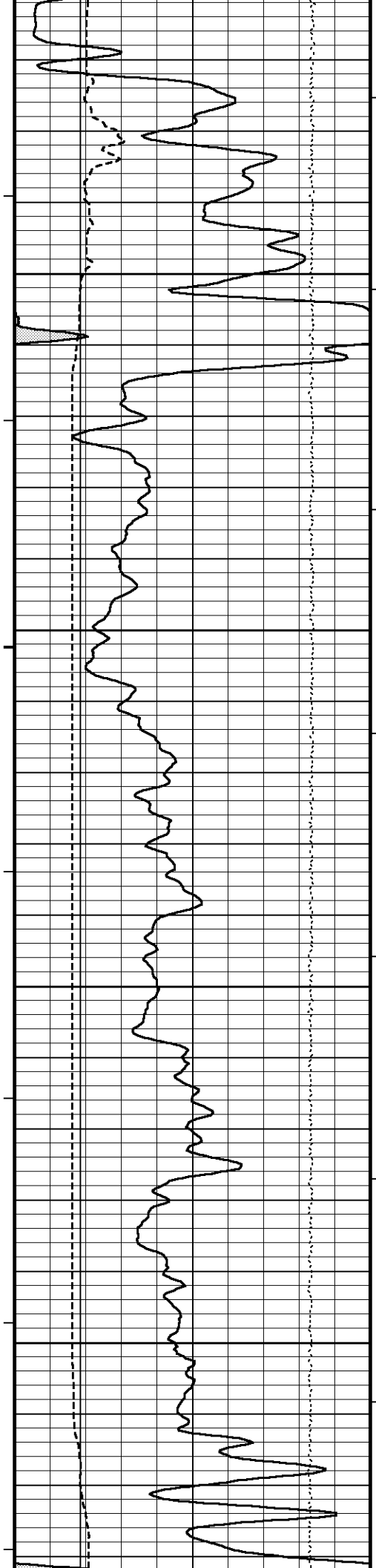












139°

4050

139°

4100

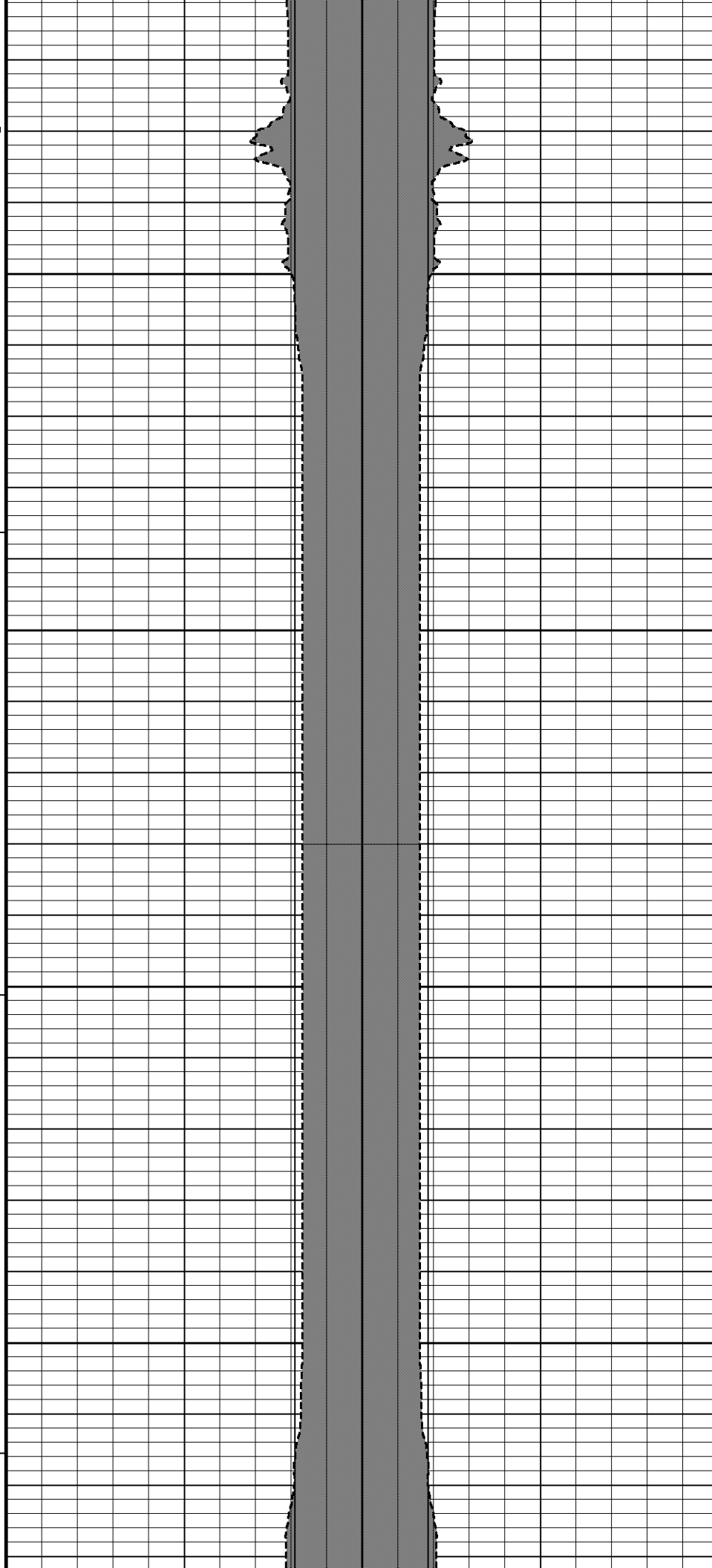
139°

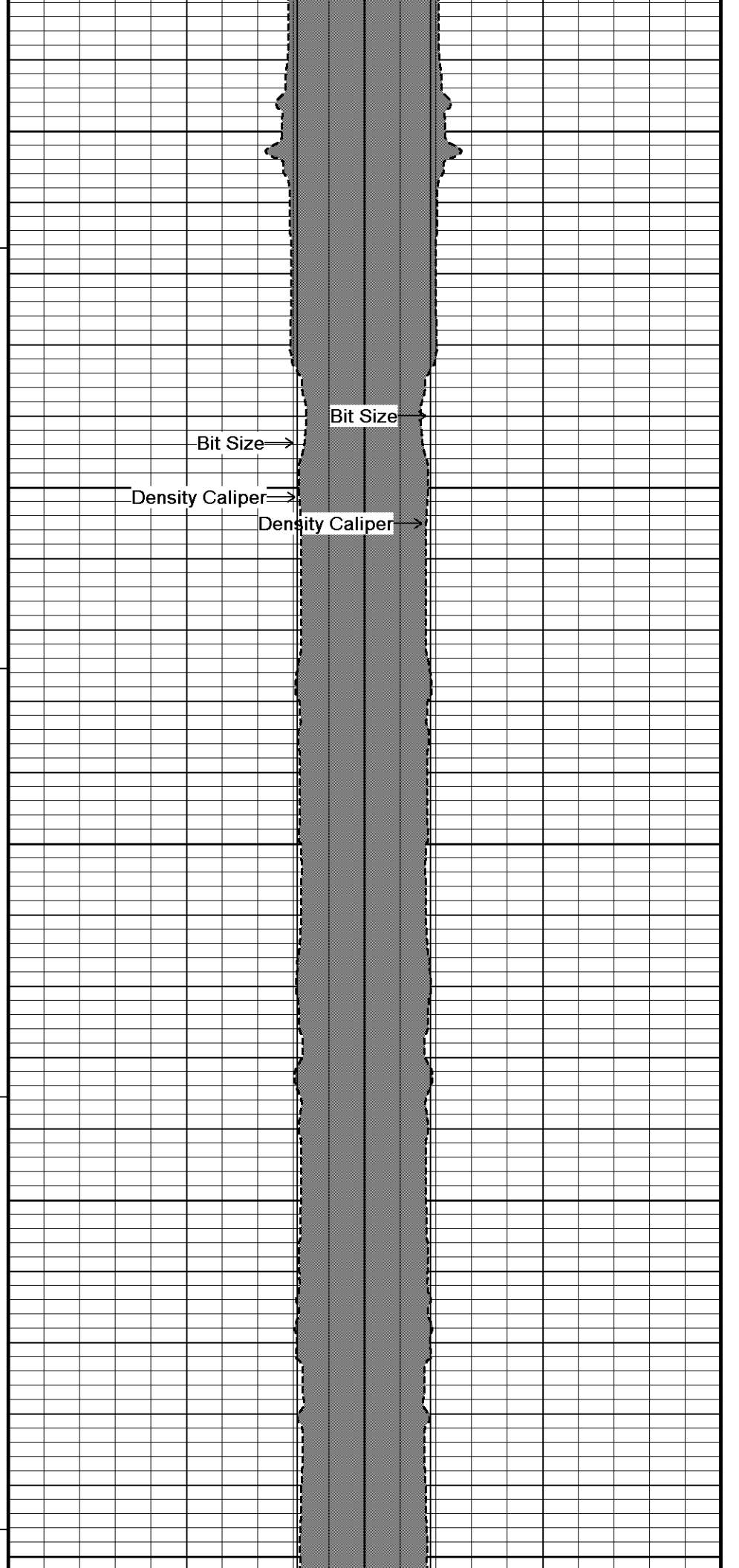
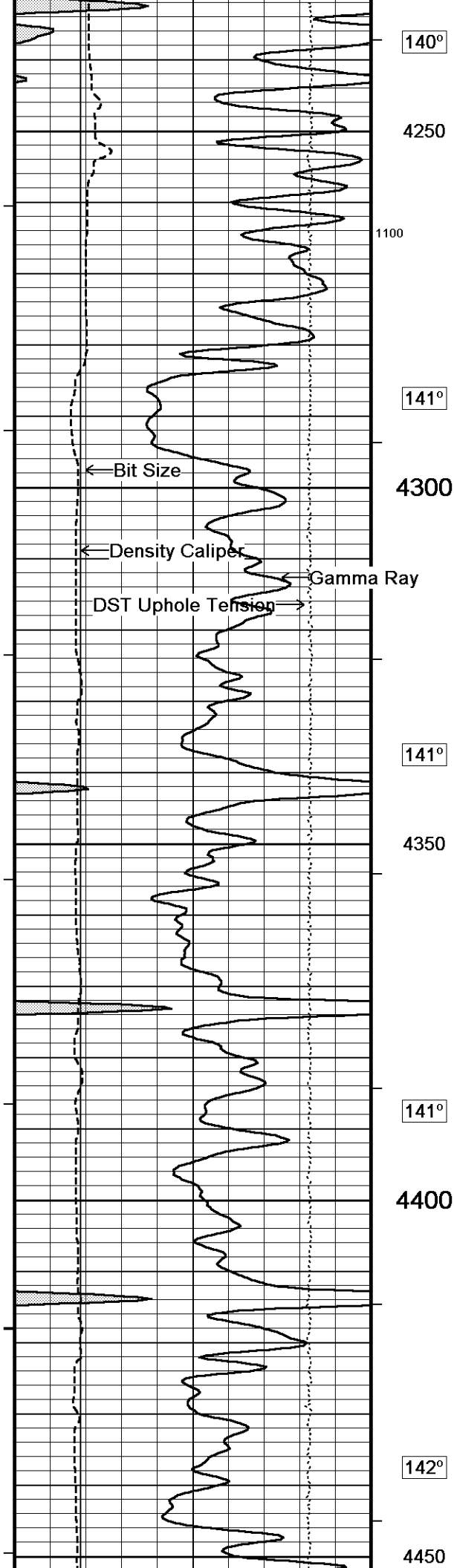
4150

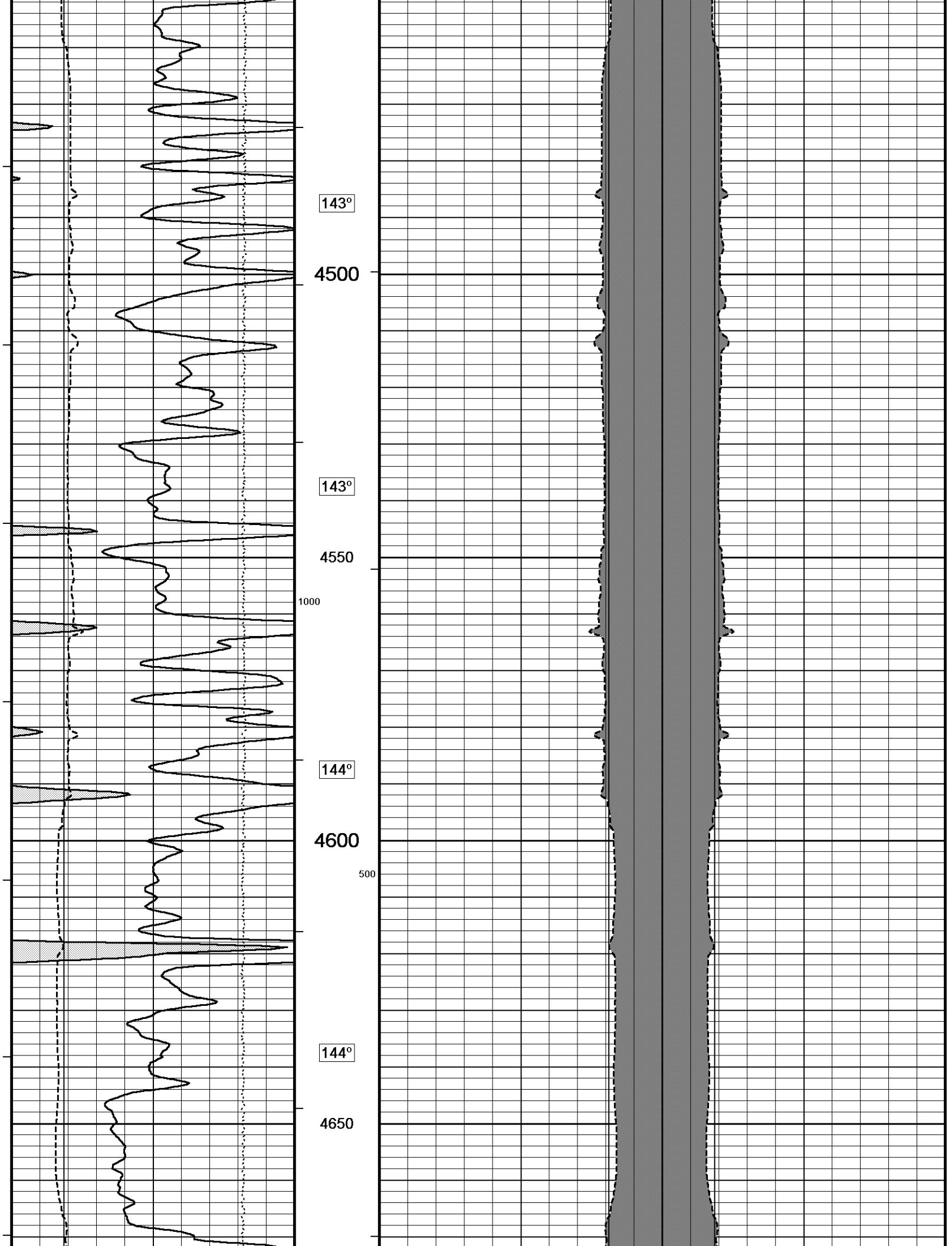
140°

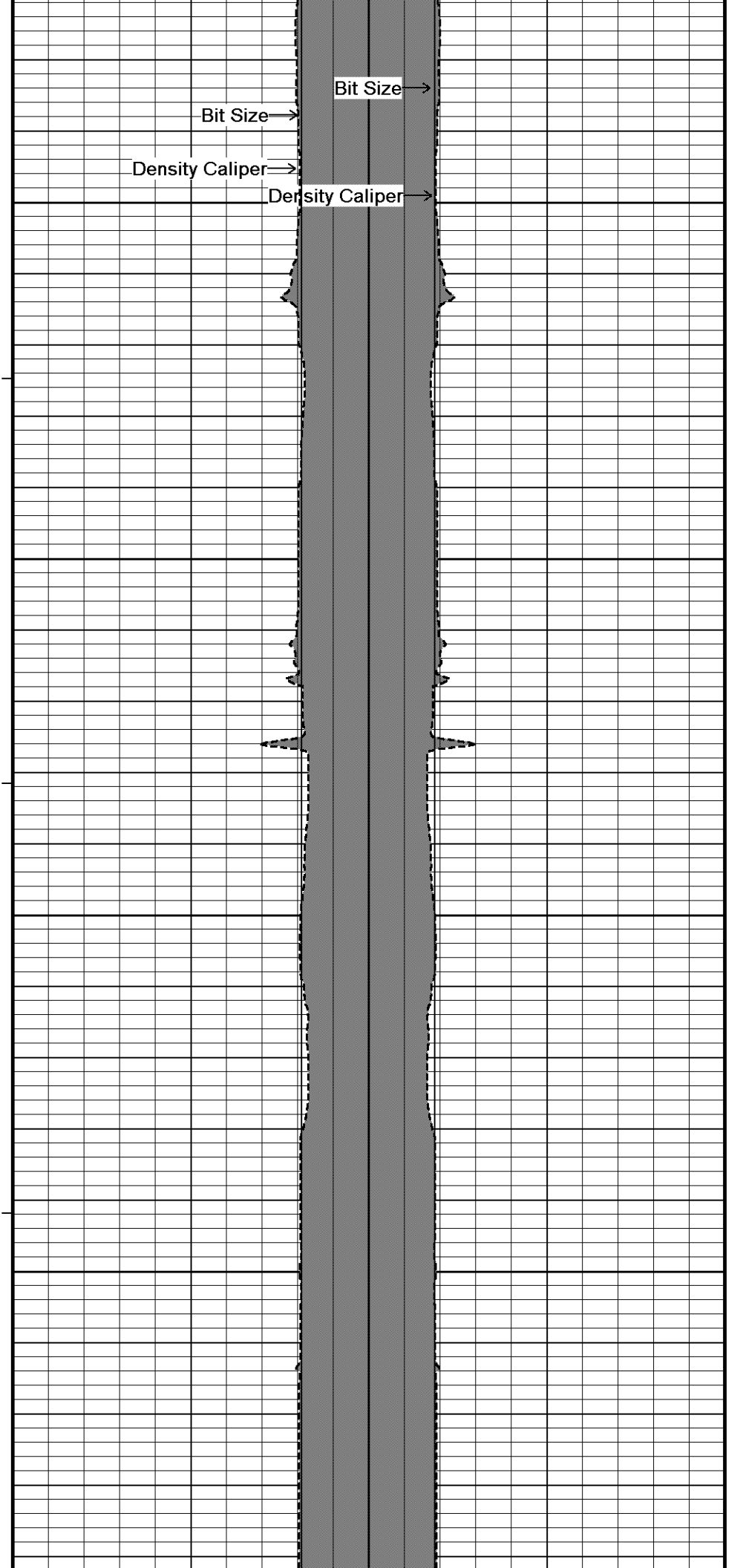
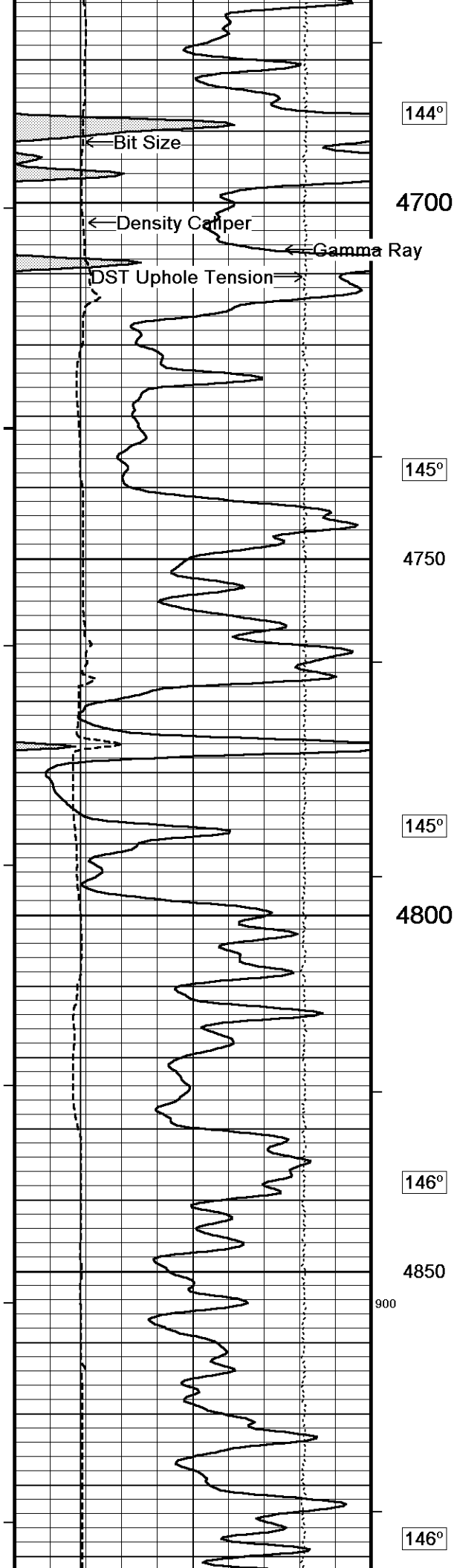
4200

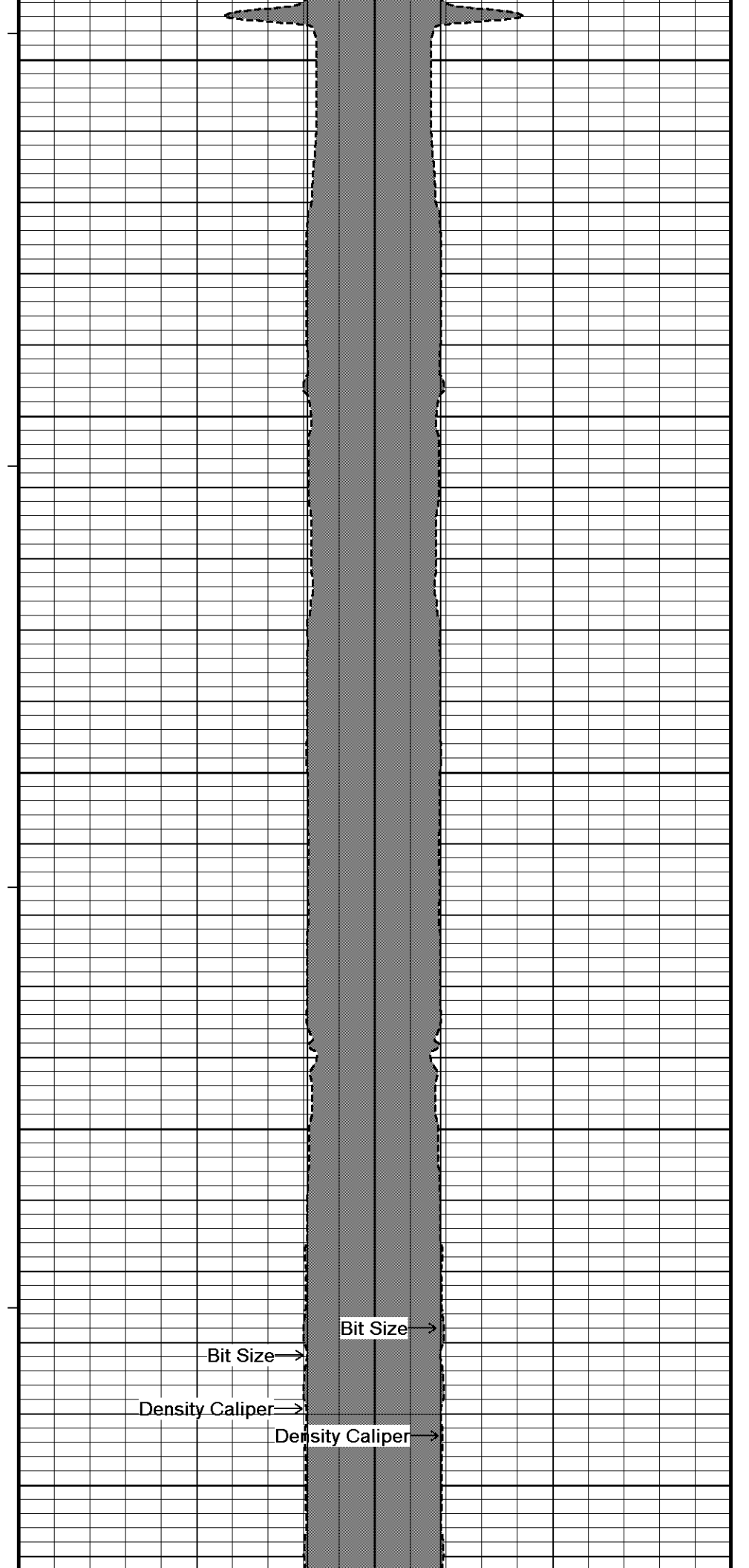
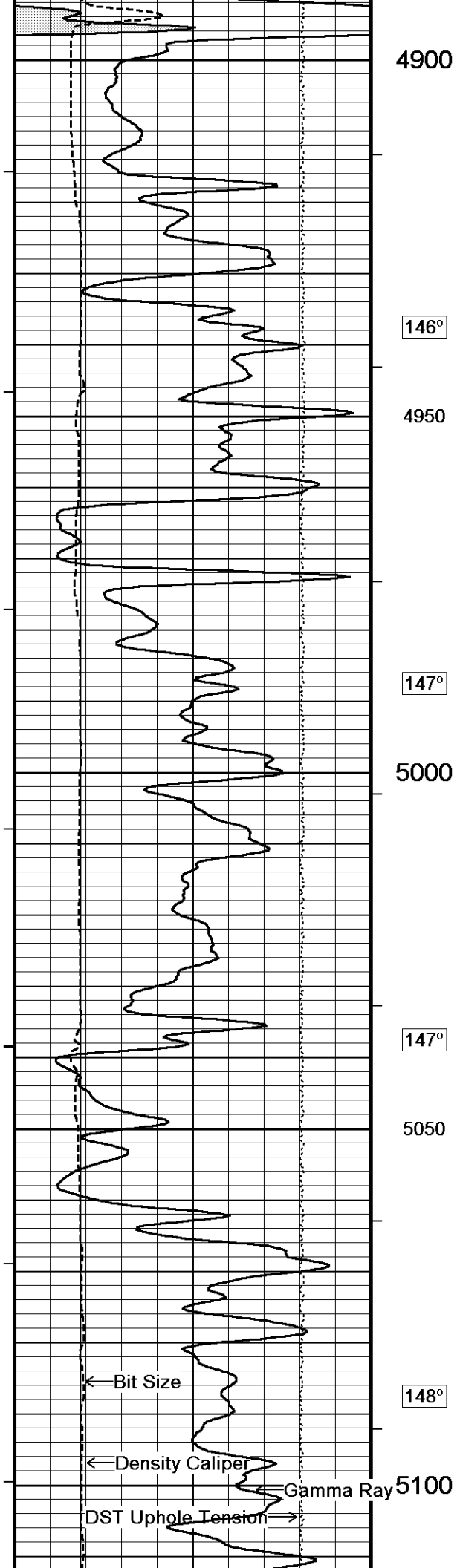
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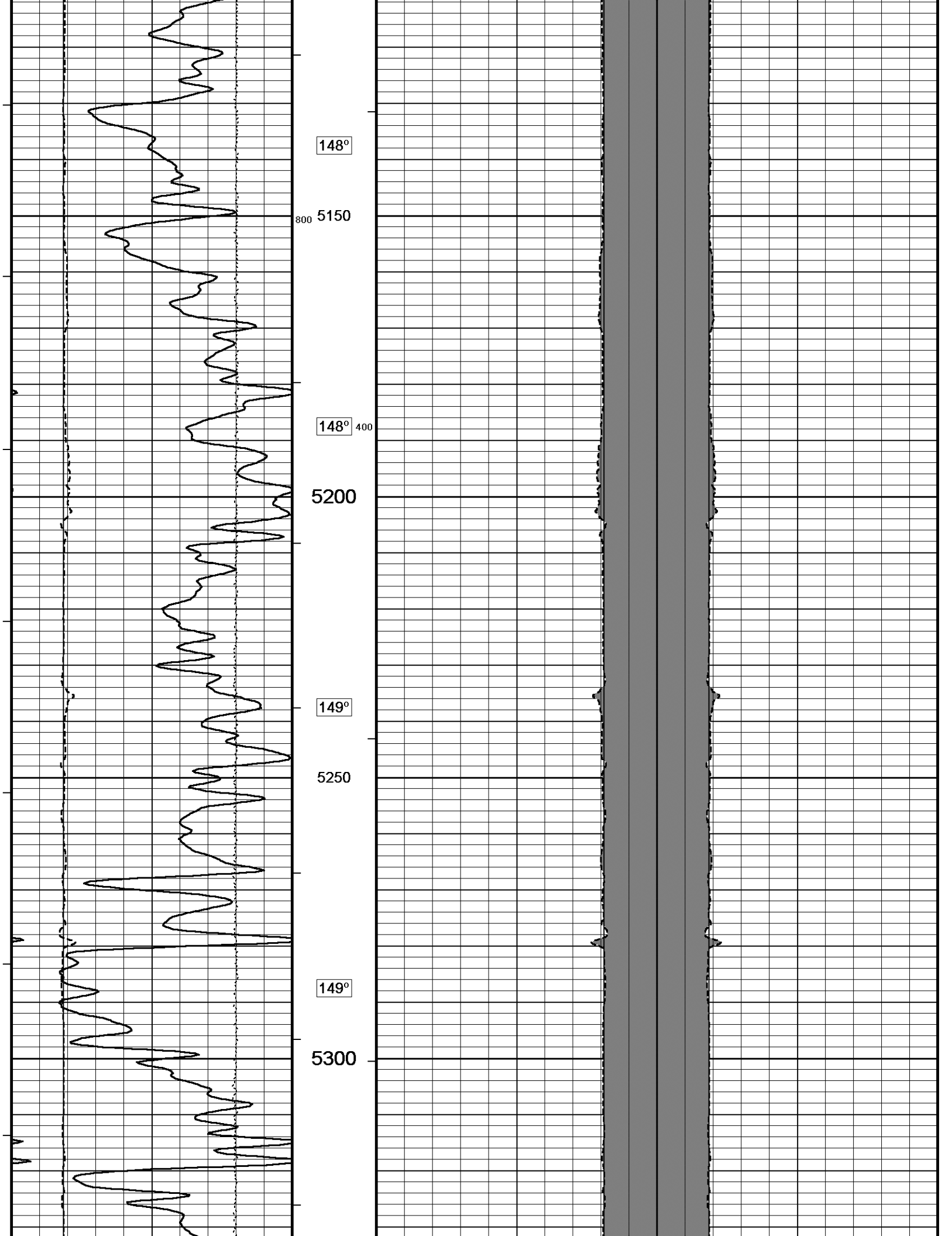


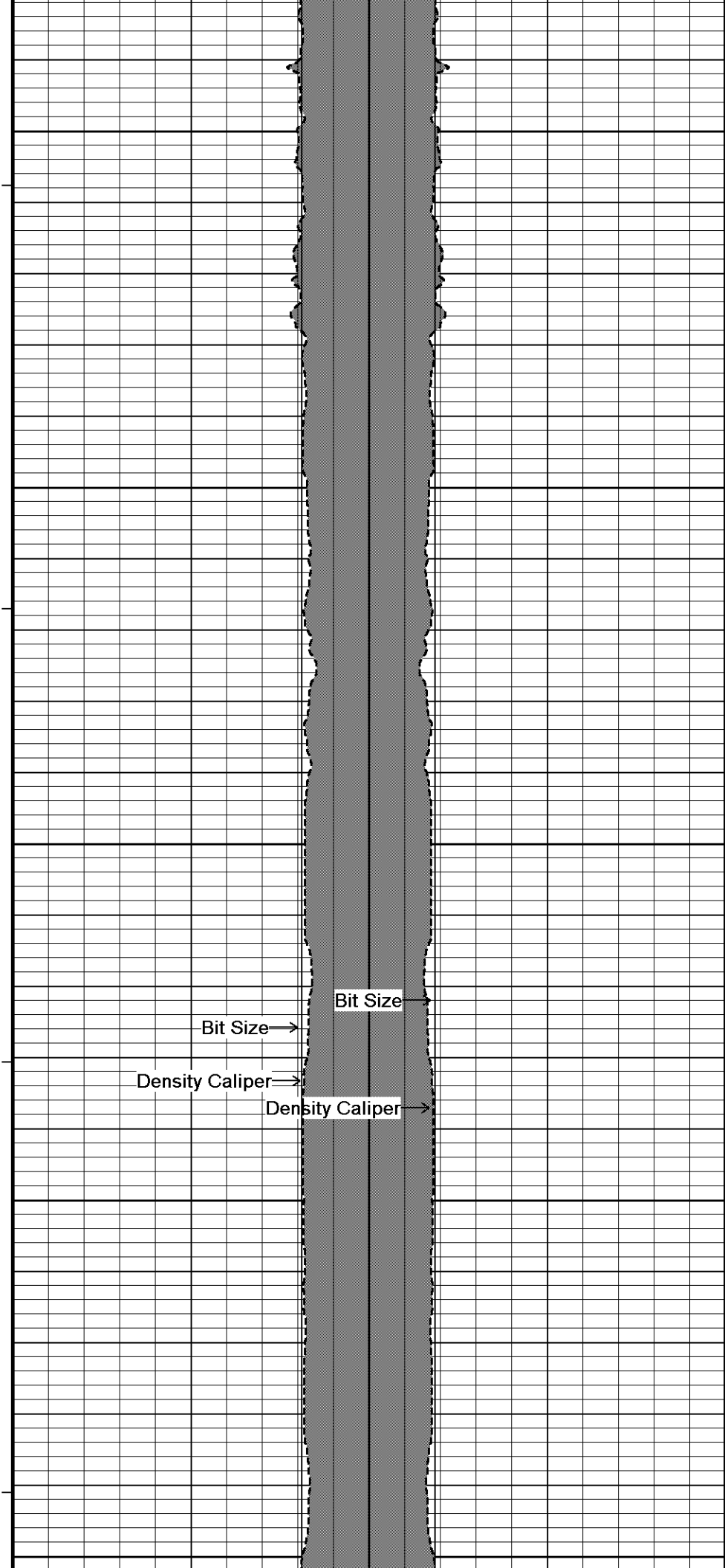
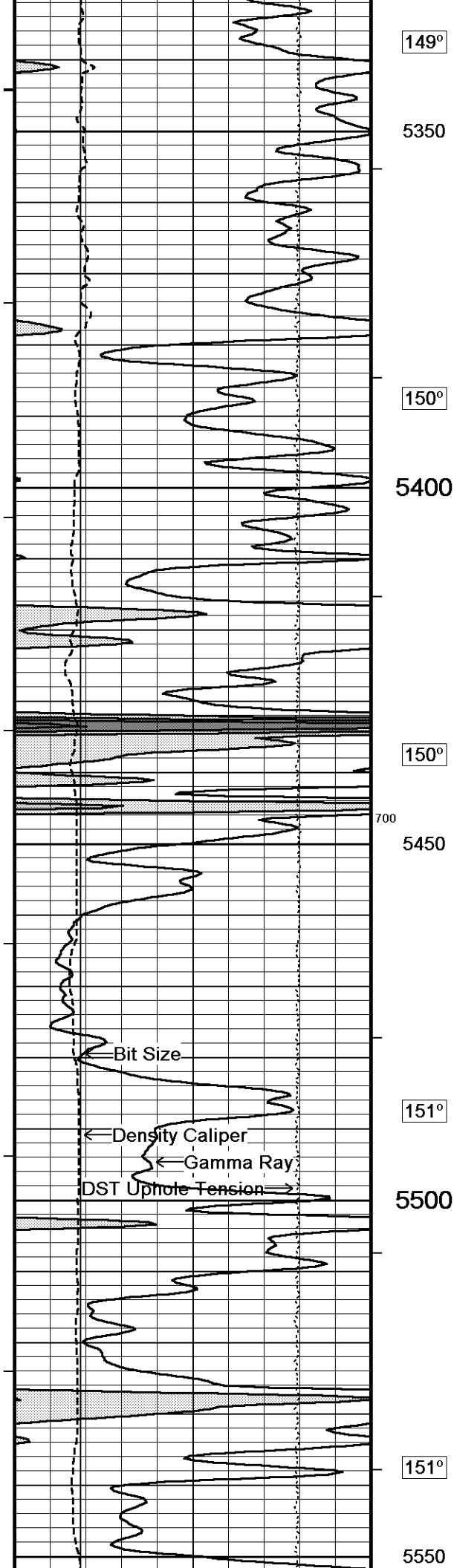


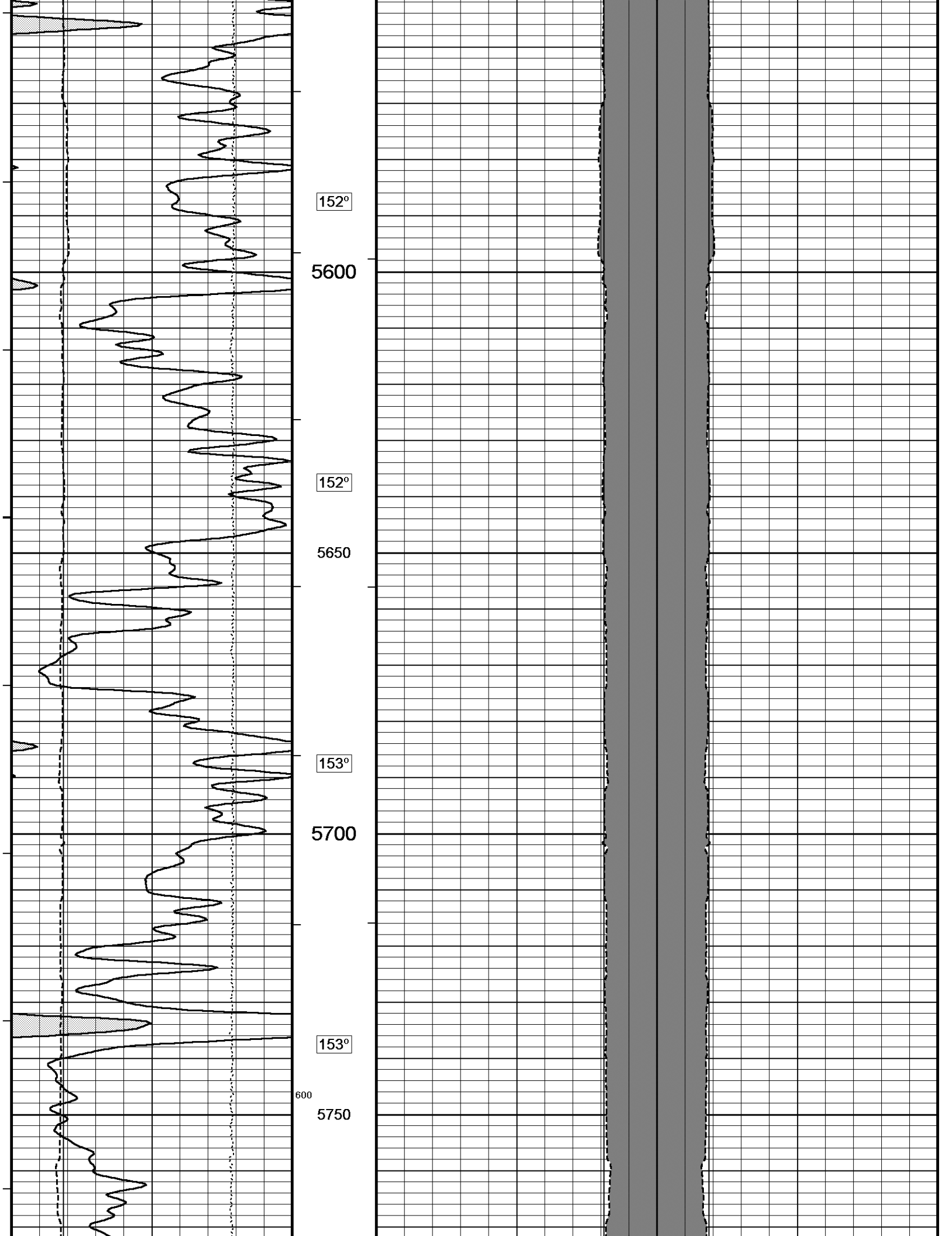


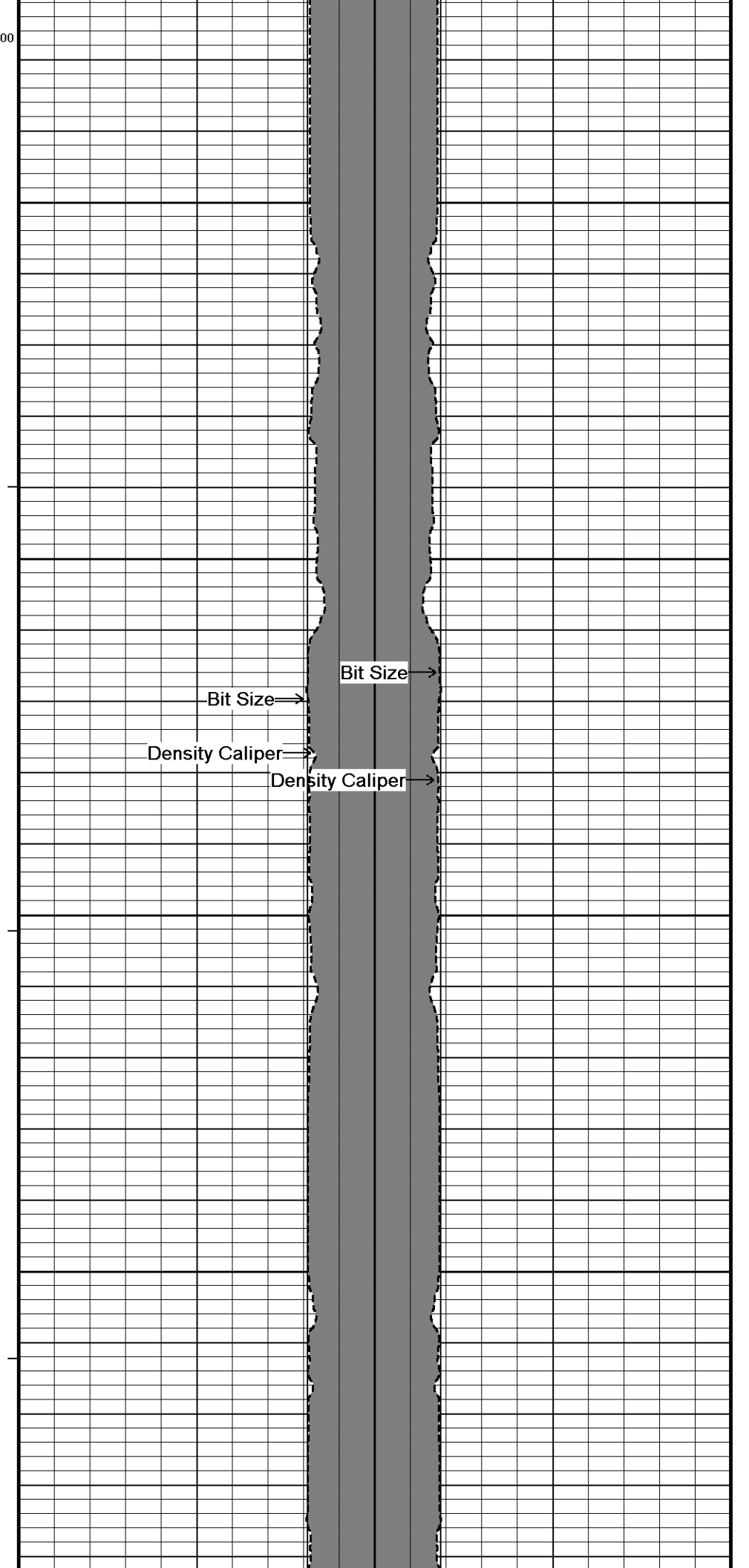
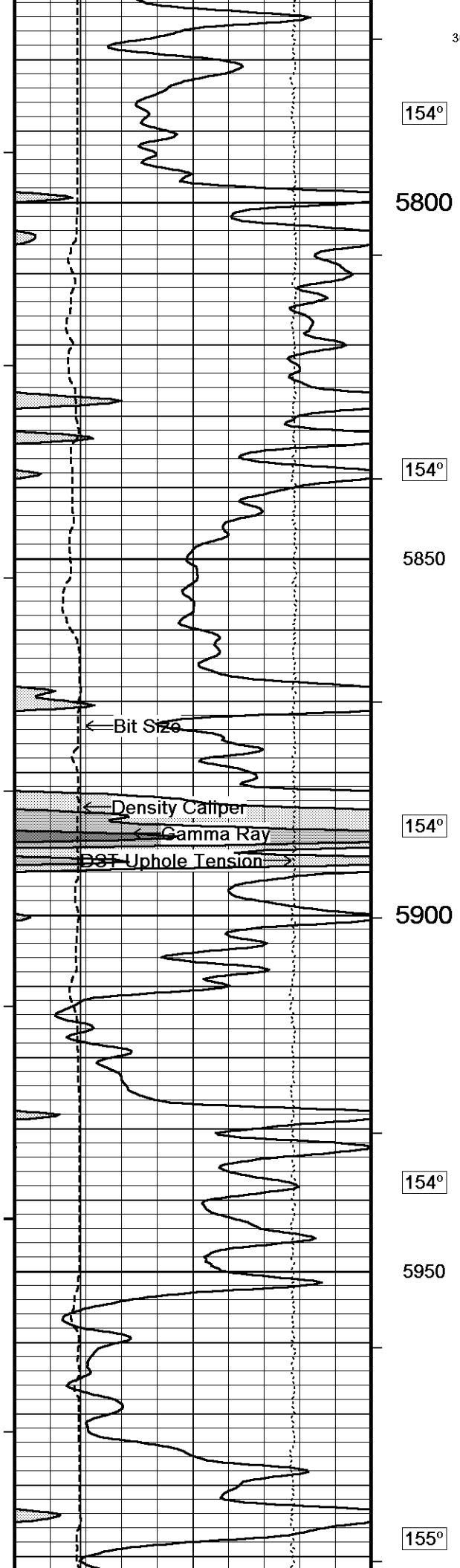


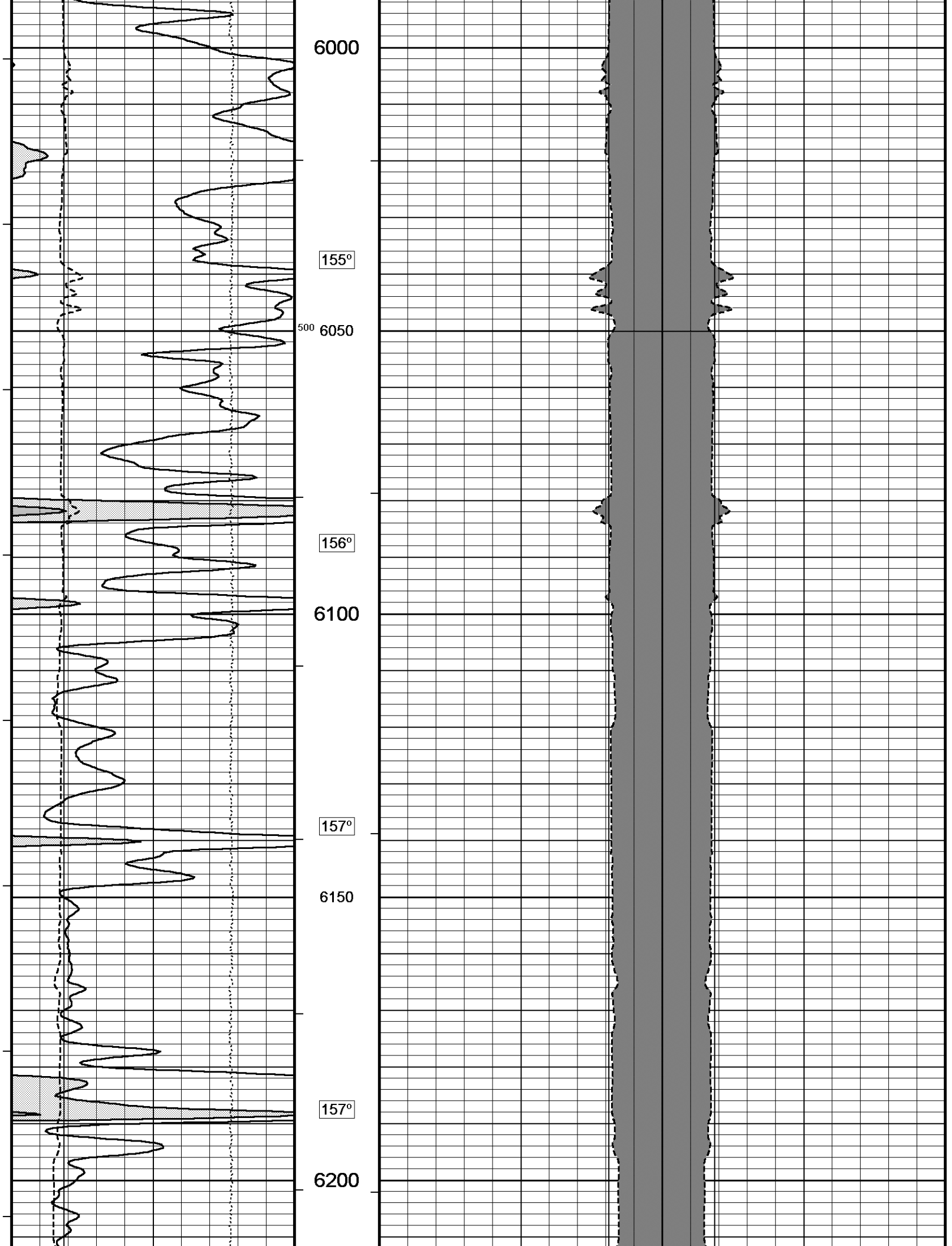


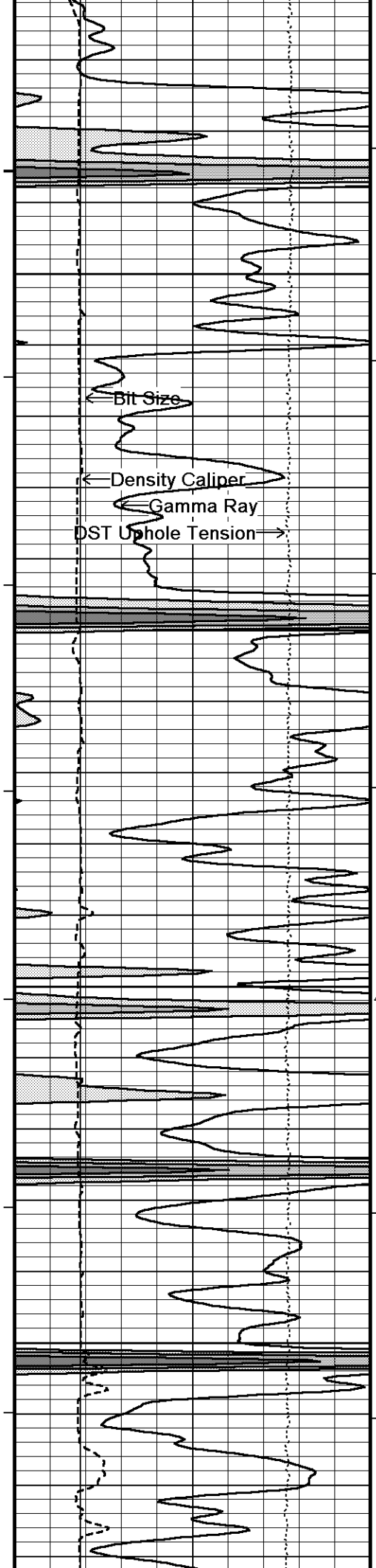












158°

6250

Bit Size

Density Caliper

Gamma Ray

DST Uphole Tension

158°

6300

159°

6350

400

159°

6400

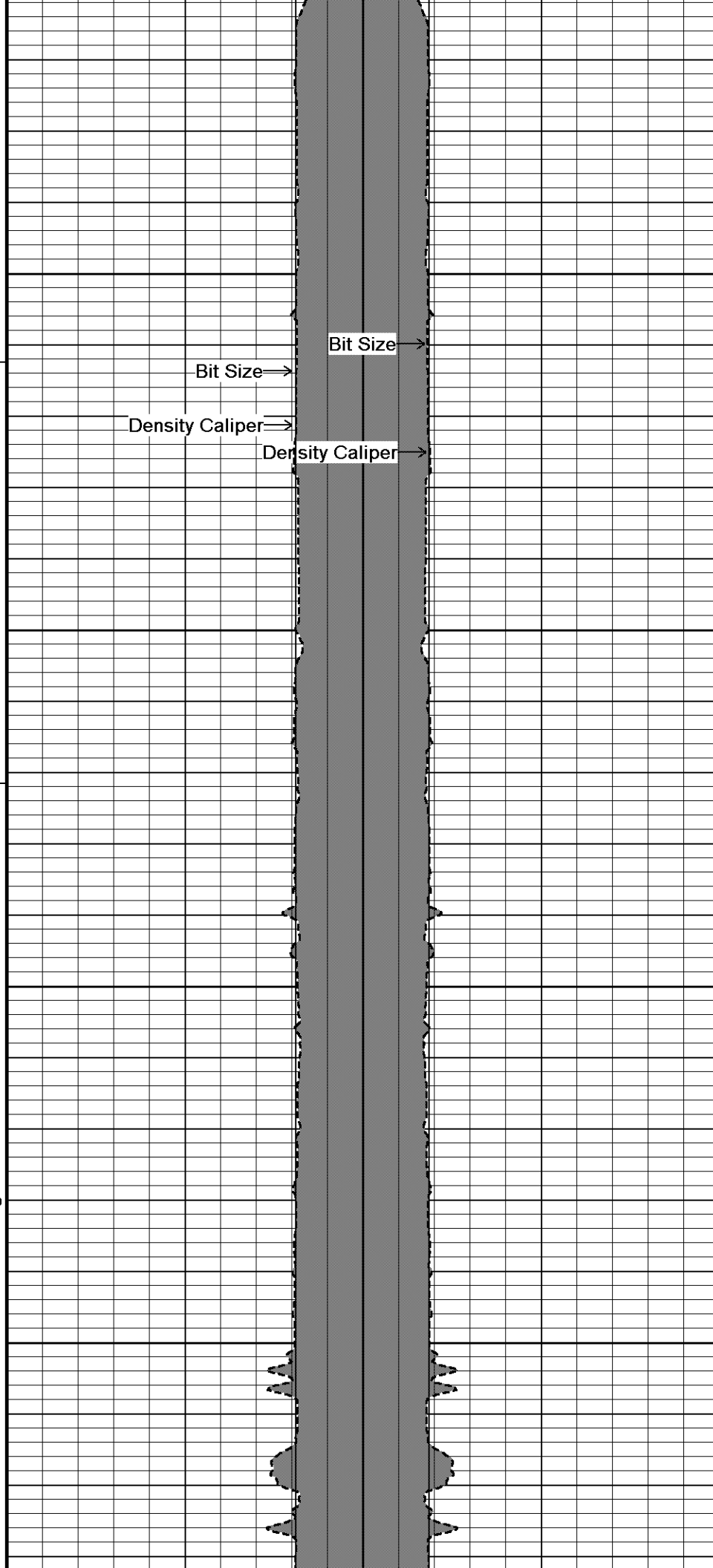
200

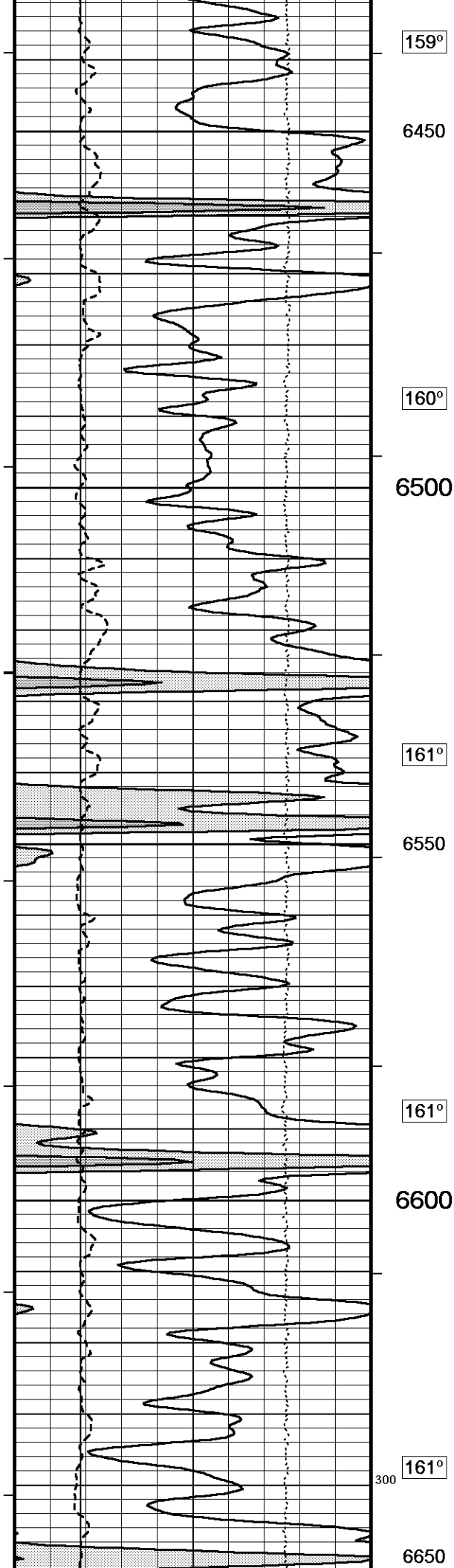
Bit Size

Density Caliper

Bit Size

Density Caliper





159°

6450

160°

6500

161°

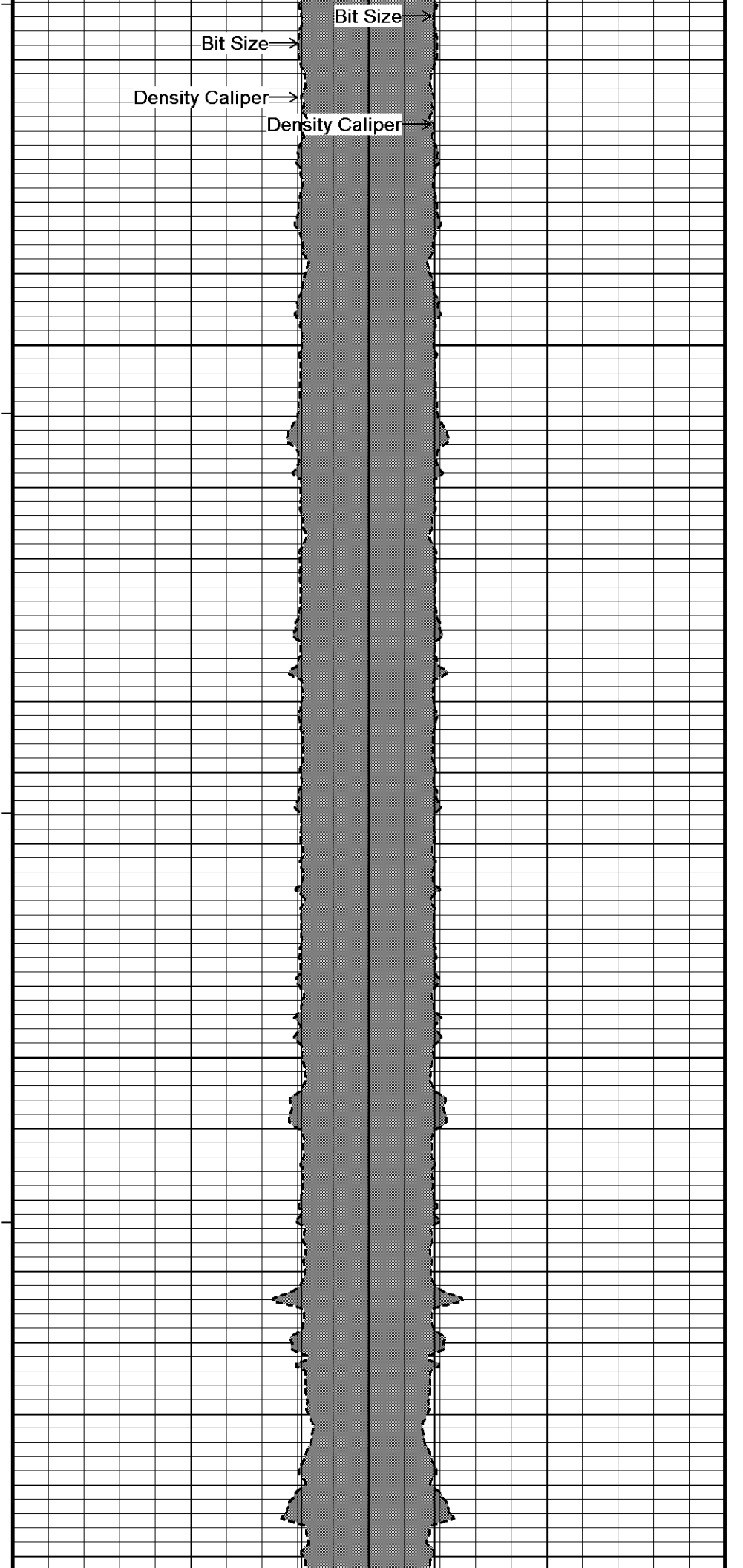
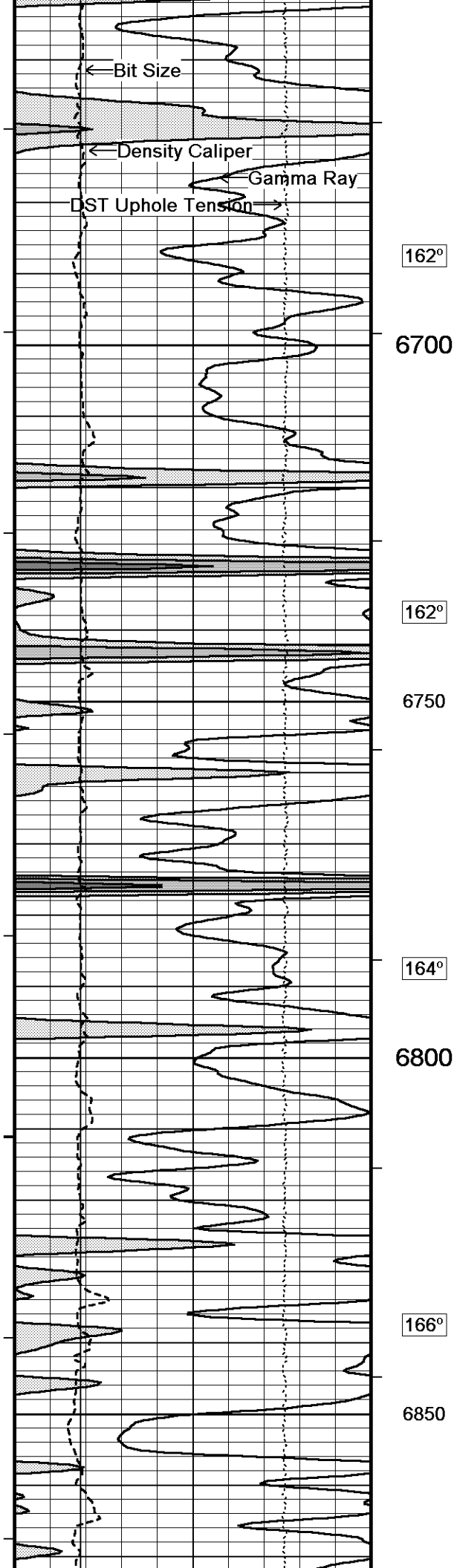
6550

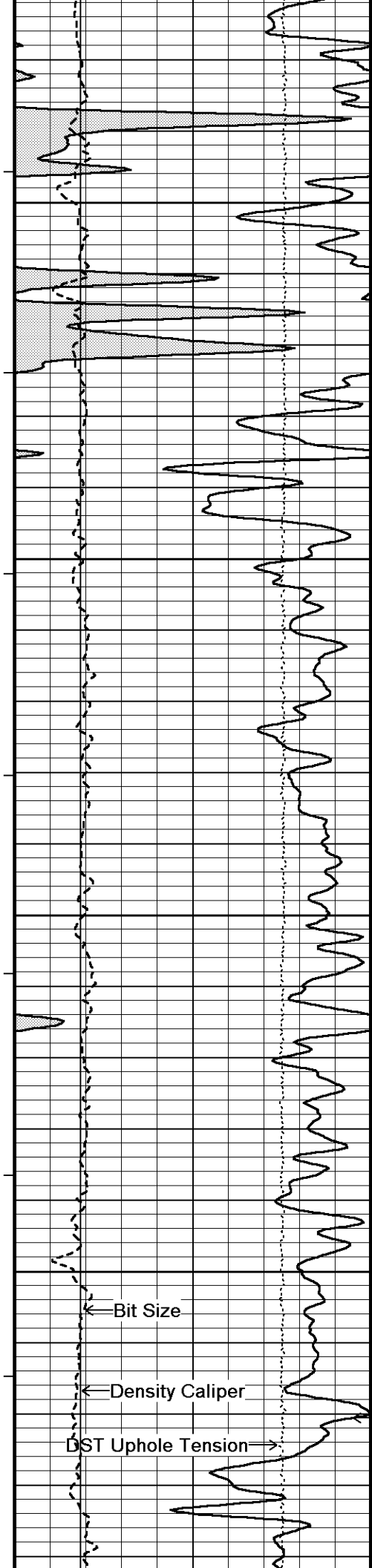
161°

6600

300 161°

6650





167°

6900

168°

6950

168°

7000

169°

7050

168°

200

100

Gamma Ray

Bit Size

Density Caliper

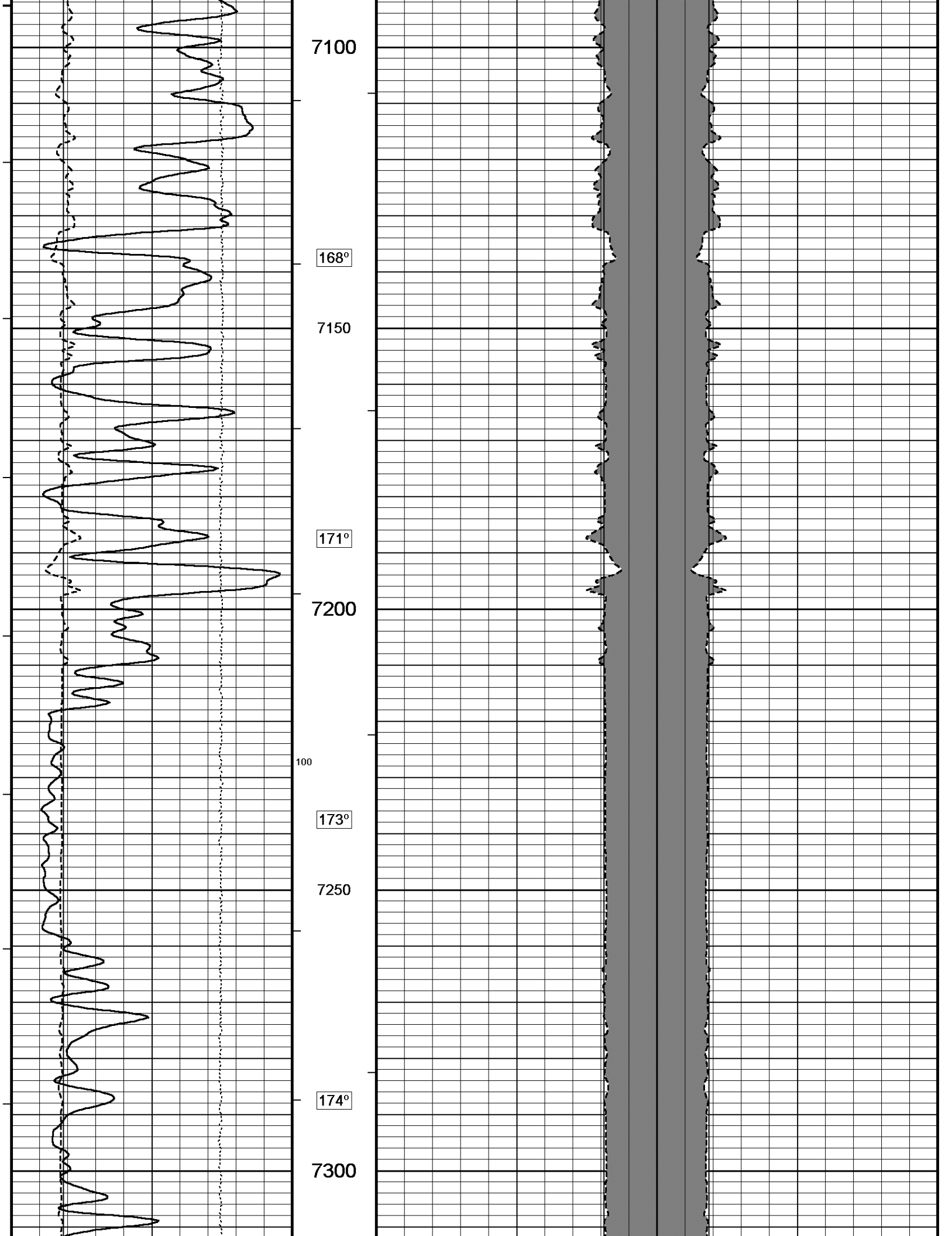
DST Uphole Tension

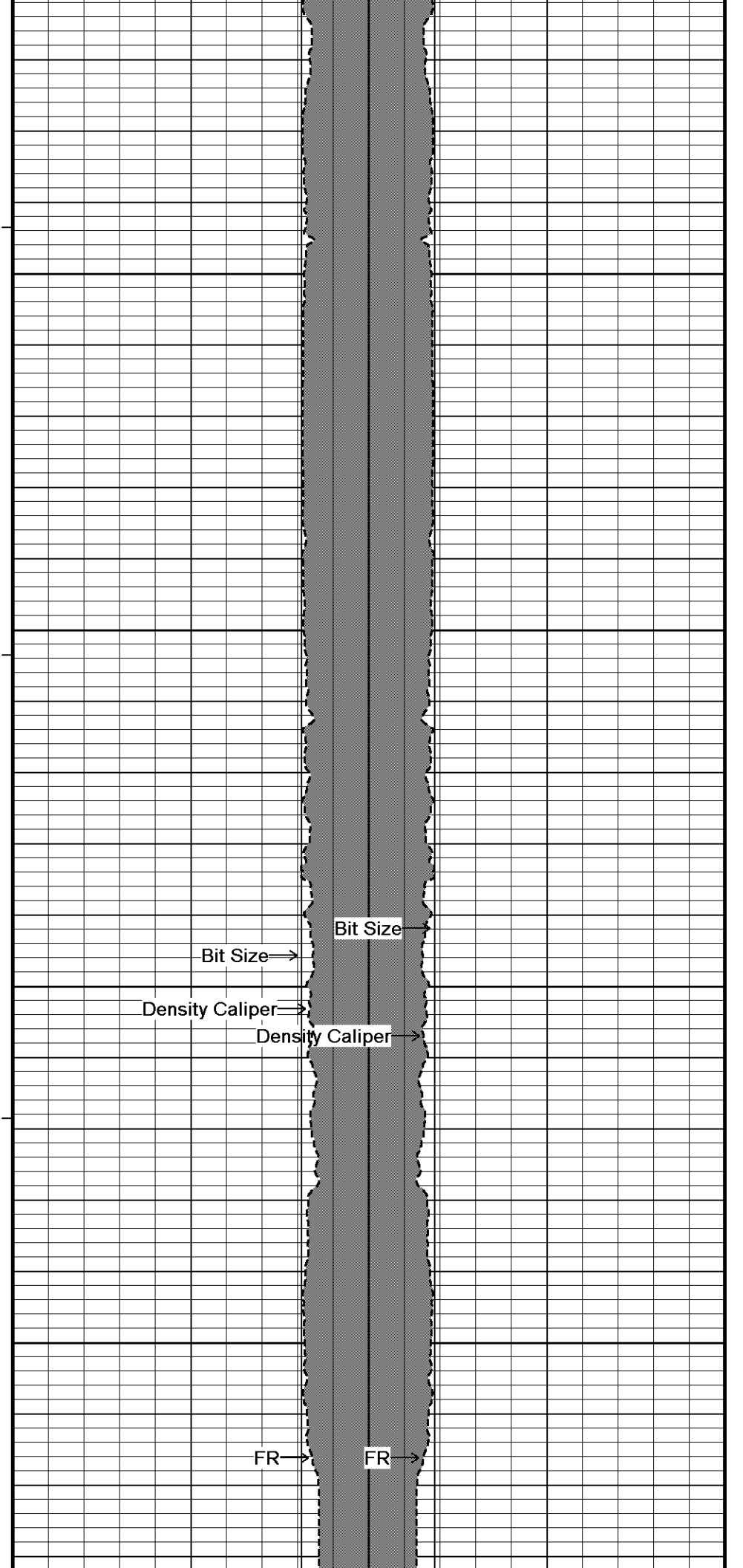
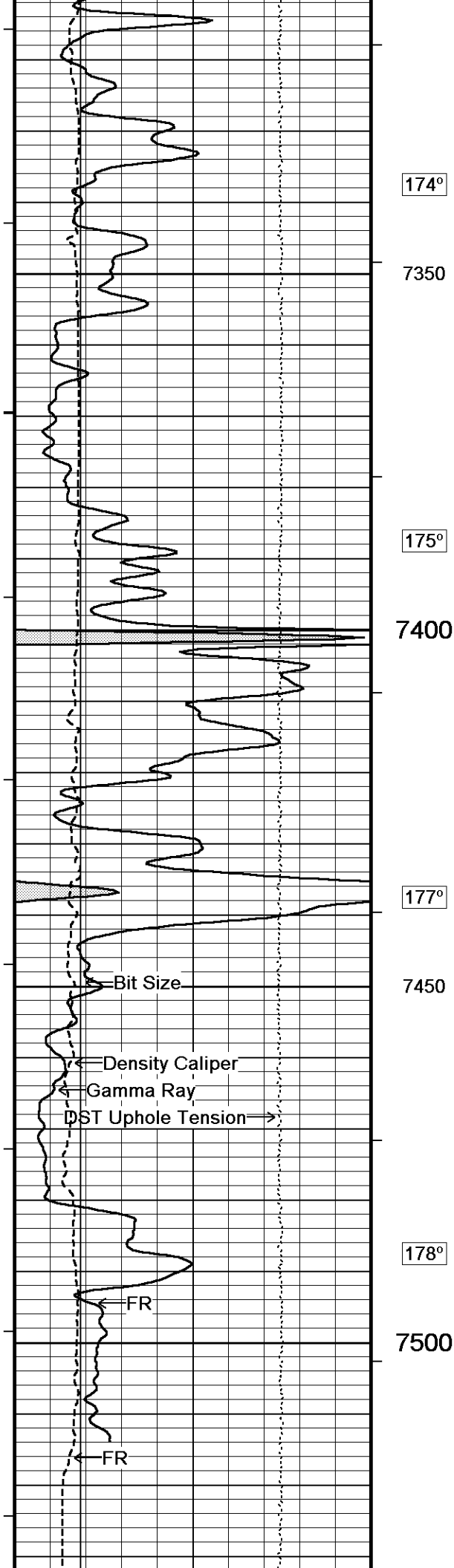
Bit Size

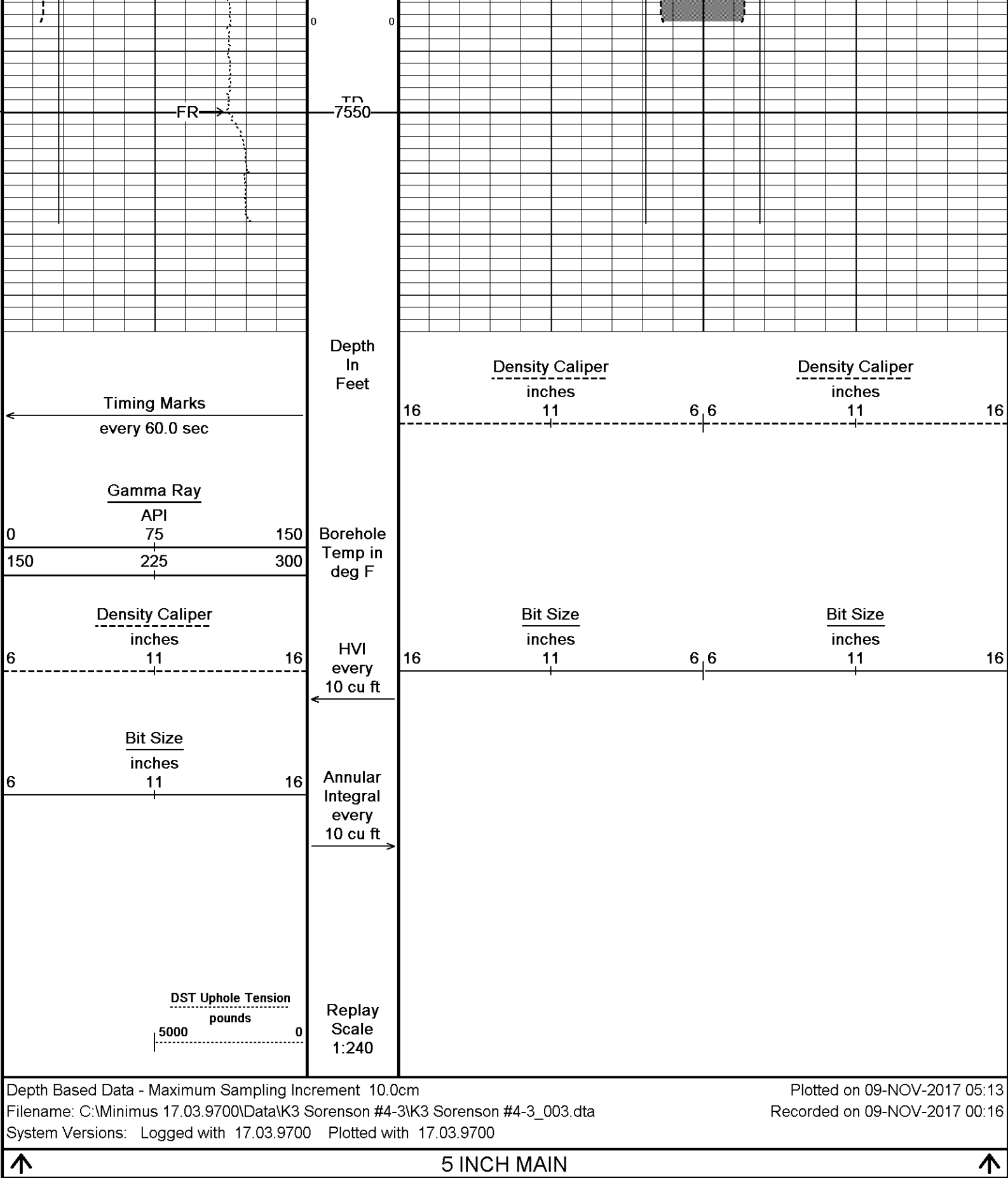
Density Caliper

Density Caliper

Bit Size







BEFORE SURVEY CALIBRATION		
C:\Minimus 17.03.9700\Data\K3 Sorenson #4-3\K3 Sorenson #4-3_002.dta		
General Constants All 000		Last Edited on 08-NOV-2017,09:45
General Parameters		
Mud Resistivity	1.760	ohm metres

Mud Resistivity	1.700	ohm-metres
Mud Resistivity Temperature	75.000	degrees F
Water Level	0.000	feet
Borehole Fluid 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	5.500	inches
Caliper for Differential Caliper	None	
Rwa Parameters		
Porosity used	Crossplot Porosity	
Resistivity used	Array Ind. One Res Rt	
RWA Constant A	0.620	
RWA Constant M	2.150	
SW/APOR Tool Source	0.000	

Down-hole Tension Calibration SMS 0			Field Calibration on 03-NOV-2017 15:03
Reading No	Measured	Calibrated (lbs)	
1	-64.04	0.00	
2	-2337.74	481.00	

Gamma Calibration MCG-C 84			Field Calibration on 05-NOV-2017 09:45
	Measured	Calibrated (API)	
Background	97	67	
Calibrator (Gross)	758	523	
Calibrator (Net)	661	456	

Gamma Calibration Tolerances MCG-C 84		
Ratio	1.449	<div> <div>1.40</div> <div>1.475</div> <div>1.55</div> </div> Counts/API

Gamma Constants MCG-C 84			Last Edited on 08-NOV-2017,07:35
Gamma Calibrator Number	MCGGRCC141		
GRC-M Calibrator Jig in Use?	NO		
Inactive Background Jig in Use?	NO		
Mud Density	1.13	gm/cc	
Caliper Source for Processing	Density Caliper		
Tool Position	Eccentred		
Potassium Equivalence	Chloride		
K Mud Concentration	0.00	%	

SP Calibration MCG-C 84			Field Calibration on 27-OCT-2017,07:20
	Measured	Calibrated (mV)	
Reference 1	104.4	100.1	
Reference 2	-95.8	-100.1	

High Resolution Temperature Calibration MCG-C 84			Field Calibration on 27-OCT-2017,07:21
	Measured	Calibrated(Deg F)	
Lower	50.00	50.00	
Upper	212.00	212.00	

High Resolution Temperature Constants MCG-C 84			Last Edited on 30-AUG-2017,13:52
Pre-filter Length	11		

Micro Normal and Micro Inverse Calibration MML-A 7			Base Calibration on 23-OCT-2017 14:05
	Resistor 1 (ohm)	Resistor 2 (ohm)	Field Check on 03-NOV-2017 15:31
	10.0	50.0	
Base Calibration			
	Measured	Calibrated (ohm-m)	
Micro Normal	10.1 50.4	5.1 25.6	
Micro Inverse	10.0 50.1	3.4 16.9	
Channel			
Micro Normal	Base Check (ohm-m)	Field Check (ohm-m)	
	76.7	76.7	

Micro Normal & Micro Inverse Calibration Tolerance MML-A 7

Micro Normal Res. 1	10.1		ohm	Micro Normal Res. 2	50.4		ohm
Micro Inverse Res. 1	10.0		ohm	Micro Inverse Res. 2	50.1		ohm
Micro Normal Base Check	76.7		ohm-m				
Micro Inverse Base Check	51.0		ohm-m				
Micro Normal Field Check	76.7		ohm-m				
Micro Inverse Field Check	51.0		ohm-m				

Micro Normal and Micro Inverse Constants MML-A 7

Last Edited on 08-NOV-2017,07:35

Pad Type	8-12 in Soft Rubber Inflatable 006-9011-159
Micro Normal K Factor	0.5110
Micro Inverse K Factor	0.3380
Standoff Offset	N/A inches

Caliper Calibration MML-A 7

Base Calibration on 23-OCT-2017 13:59

Field Calibration on 03-NOV-2017 15:29

Base Calibration		
Reading No	Measured	Calibrator Size (in)
1	14085	5.98
2	17580	7.97
3	20846	9.86
4	24750	11.92
5	0	0.00
6	N/A	N/A
Field Calibration		
	Measured Caliper (in)	Actual Caliper (in)
	8.11	8.10

Caliper Calibration Tolerances MML-A 7

Short Arm Field Cal.	8.11		in
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Neutron Calibration MDN-A.B 114

Base Calibration on 25-OCT-2017 16:20

Field Check on 05-NOV-2017 09:48

Base Calibration				
	Measured	Calibrated (cps)		
	Near Far	Near Far		
	3039 94	3714 110		
Ratio	32.458	33.764		
Field Calibrator at Base		Calibrated (cps)		
		2150 3142		
Ratio		0.684		
Field Check		Calibrated (cps)		
		2141 3120		
Ratio		0.686		

Neutron Calibration Tolerances MDN-A.B 114

Ratio	32.458	
Base Check	0.684	
Field Check	0.686	

Neutron Constants MDN-A.B 114

Last Edited on 08-NOV-2017,07:35

Neutron Source Id	P0204NN
Neutron Jig Number	NJ5736
Air Hole Processing	Modified Ratio

Caliper Source for Processing	Density Caliper	
Stand-off	0.00	inches
Mud Density	1.00	gm/cc
Limestone Sigma	7.10	cu
Sandstone Sigma	4.26	cu
Dolomite Sigma	4.70	cu
Formation Pressure Source	None	
Formation Pressure	N/A	kpsi
Temperature Source	Constant Value	
Temperature	68.00	degrees F
Mud Salinity	0.00	kppm
Salinity Correction	Not Applied	
Formation Fluid Salinity Source	None	
Formation Fluid Salinity	N/A	kppm
Barite Mud Correction	Not Applied	

FE Calibration MFE-B.J 352

Base Calibration on 23-OCT-2017 13:20

Field Check on 06-NOV-2017 11:50

	Resistor 1 (ohm)	Resistor 2 (ohm)
	0.0	1000.0
Base Calibration		
	Measured	Calibrated (ohm-m)
Reference 1	0.0	0.0
Reference 2	963.8	126.8
Base Check		281.3
Field Check		281.2

FE Calibration Tolerances MFE-B.J 352

Reference 2	963.8	<div><div></div><div></div><div></div><div></div><div></div></div>	ohm
Base Check	281.3	<div><div></div><div></div><div></div><div></div><div></div></div>	ohm-m
Field Check	281.2	<div><div></div><div></div><div></div><div></div><div></div></div>	ohm-m

FE Constants MFE-B.J 352

Last Edited on 08-NOV-2017,07:34

Running Mode	No Sleeve	
MFE K Factor	0.1268	
Borehole Correction Constants		
Sonde Position	0.5	inches
Hole Size Source	Density Caliper	
Hole Size Constant Value	N/A	inches
Rm Source	Global Value: Temperature Corrected	
Temp. for Rm Corr.	MCG External Temperature	

Sonic Constants MSS-A.A 55

Last Edited on 08-NOV-2017,07:34

Maximum Boundary Contrast	100.00	micro-sec/ft
Fluid Transit Time	189.00	micro-sec/ft
Limestone Transit Time	47.50	micro-sec/ft
Sandstone Transit Time	55.50	micro-sec/ft
Dolomite Transit Time	43.50	micro-sec/ft
Sonic used for Porosities	3-5' Compensated Sonic	
Correction for Sonde Skew	Applied	
Cycle Stretch Algorithm	Applied	
MN3FT	N/A	micro-sec
MX3FT	N/A	micro-sec
Hunt-Raymer Constant	83.13	micro-sec/ft
Sonde Mode	Compensated	
Hole Type	Open Hole	

Sonde Parameters

	Measured	Calibrated
Offset	N/A	0.0000
Free Pipe	N/A	N/A

Peak Amplitude Source	N/A				
Waveform	Start Time (micro-sec)	Width (micro-sec)	Pre Gain	Start Gain	Discriminator (mV)
3'	N/A	N/A	N/A	N/A	N/A
4'	N/A	N/A	N/A	N/A	N/A
5'	N/A	N/A	N/A	N/A	N/A
6'	N/A	N/A	N/A	N/A	N/A

Processed Fixed Gate Parameters

Waveform Used For Processing	N/A			
Start Time (micro-sec)	End Time (micro-sec)	Discriminator (mV)	N/A	
N/A	N/A	N/A		
N/A	N/A	N/A	N/A	
N/A	N/A	N/A	N/A	
N/A	N/A	N/A	N/A	
N/A	N/A	N/A	N/A	

Full Waveform Parameters

Use 3' Waveform to derive TR	N/A
Use 4' Waveform to derive TR	N/A
Use 5' Waveform to derive TR	N/A
Use 6' Waveform to derive TR	N/A
3' Waveform Discriminator Level	N/A mV
4' Waveform Discriminator Level	N/A mV
5' Waveform Discriminator Level	N/A mV
6' Waveform Discriminator Level	N/A mV
Waveform Discriminator Filter	N/A
Semblance Window Width	N/A micro-sec
Sonic Despiker	N/A N/A

High Resolution Temperature Calibration MAI-A.A 111

Field Calibration on 01-OCT-2017,14:58

	Measured	Calibrated(Deg F)
Lower	50.00	50.00
Upper	212.00	212.00

High Resolution Temperature Constants MAI-A.A 111

Last Edited on 26-JUN-2014,15:06

Pre-filter Length	11
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Induction Calibration MAI-A.A 111

Factory Loop Calibration 03-NOV-2017 04:57

Field Check on 05-NOV-2017 09:34

Factory Loop Calibration

Low Conductivity Reference Resistor	3.3 ohm
High Conductivity Reference Resistor	333.3 ohm

Array	Measured Signal (unitless)		Reference Conductivity (mmho/m)		Calibration	
	Low	High	Low	High	Gain	Offset
1 (near)	17.6	473.6	9.3	966.2	0.0	0.0
2	6.4	385.9	7.6	821.4	0.0	0.0
3	3.2	264.0	5.2	566.0	0.0	0.0
4 (far)	2.1	135.5	2.6	279.2	0.0	0.0
Array Temperature	23.0		Deg F			

Tool Checks

Array	Factory Reference (mmho/m)		Before Survey (mmho/m)		Deg F
	Low	High	Low	High	
1 (near)	10.7	3840.6	10.6	3840.6	
2	28.8	3498.9	28.7	3499.1	
3	28.2	2996.4	28.1	2996.7	
4 (far)	18.5	2041.3	18.5	2041.9	
Array Temperature	65.6		63.9		

Induction Check Tolerances MAI-A.A 111

Low Array 1	10.6	9.2 10.7 12.2	mmho/m	High Array 1	3840.6	3839.1 3840.6 3842.1	mmho/m
Low Array 2	28.7	27.3 28.8 30.3	mmho/m	High Array 2	3499.1	3497.4 3498.9 3500.4	mmho/m

Low Array 3	28.1	<div><div>26.7</div><div>28.2</div><div>29.7</div></div>	mmho/m	High Array 3	2996.7	<div><div>2994.9</div><div>2996.4</div><div>2997.9</div></div>	mmho/m
Low Array 4	18.5	<div><div>17.0</div><div>18.5</div><div>20.0</div></div>	mmho/m	High Array 4	2041.9	<div><div>2039.8</div><div>2041.3</div><div>2042.8</div></div>	mmho/m

Induction Constants MAI-A.A 111

Last Edited on 08-NOV-2017,07:34

Induction Model		RtAP-WBM	
Borehole Correction Constants			
Tool Centred		No	
Hole Size Source		Density Caliper	
Hole Size Constant Value		N/A	inches
Stand-off Type		Fins	
Stand-off		0.50	inches
Number of Fins on Stand-off		8.0000	
Stand-off Fin Angle		45.00	degrees
Stand-off Fin Width		0.5000	inches
Rm Source	Global Value: Temperature Corrected		
Temp. for Rm Corr.	MCG External Temperature		
Borehole Correction Method		Default	
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
Symmetrised Receiver Gains			
Receiver 1		1.00	
Receiver 2		1.00	
Receiver 3		1.00	
Receiver 4		1.00	
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	

Photo Density Calibration MPD-C.A 216

Base Calibration on 23-OCT-2017 14:37
Field Check on 06-NOV-2017 11:49

Density Calibration				
Base Calibration	Measured		Calibrated (sdu)	
	Near	Far	Near	Far
Background	1025	1218		
Reference 1	51146	24580	59556	30836
Reference 2	20383	2310	24941	2541
Field Check at Base	1024.7	1217.9		
Field Check	1021.0	1211.5		

PE Calibration			
Base Calibration	Measured	Calibrated	

	WS	WH	Ratio	Ratio
Background	187	916		
Reference 1	21227	50978	0.420	0.371
Reference 2	5863	20269	0.293	0.272

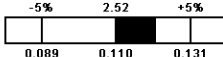

Field Check at Base


187.1 916.4

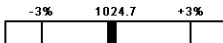
Field Check

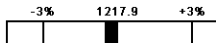
185.7 907.5

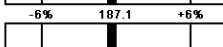
Photo Density Calibration Tolerances MPD-C.A 216

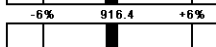
Near Density Ratio 2.59 
PE Calibration 0.118 

Far Density Ratio 21.38 

Near Den. Field Check 1021.0 

Far Den. Field Check 1211.5 

PE WS Field Check 185.7 

PE WH Field Check 907.5 

Density Constants MPD-C.A 216

Last Edited on 08-NOV-2017,07:35

Density Source Id	P50557B	
Nylon Calibrator Number	DNCE695	
Aluminium Calibrator Number	DACD698	
Density Shoe Profile	8 inch	
Caliper Source for Processing	Density Caliper	
PE Correction to Density	Not Applied	
Mud Density	1.13	gm/cc
Mud Density Type		
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	
Precision Enhanced Density Processing	Not Applied	
Matrix Density (gm/cc)	Depth (ft)	
2.71	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	

Caliper Calibration MPD-C.A 216

Base Calibration on 23-OCT-2017 14:16

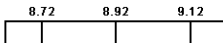
Field Calibration on 06-NOV-2017 12:00

Base Calibration	Measured	Calibrator Size (in)
Reading No		
1	16832	3.99
2	27040	5.98
3	37135	7.97
4	46864	9.86
5	58032	11.92
6	N/A	N/A

Field Calibration

Measured Caliper (in) 8.92 Actual Caliper (in) 8.92

Caliper Calibration Tolerances MPD-C.A 216

Short Arm Field Cal. 8.92  in

DOWNHOLE EQUIPMENT

C:\Minimus 17.03.9700\Data\K3 Sorenson #4-3\K3 Sorenson #4-3_002.dta

Cablehead, 11 pin
CBH-C 0 LG: 2.40 ft WT: 24.3 lb OD: 2.244 in

Compact Comms Gamma
MCG-C 84 LG: 8.70 ft WT: 63.9 lb OD: 2.244 in

Compact Micro-log
MML-A 7 LG: 7.97 ft WT: 81.6 lb OD: 2.244 in

Compact Neutron
MDN-A.B 114 LG: 5.04 ft WT: 50.7 lb OD: 2.244 in

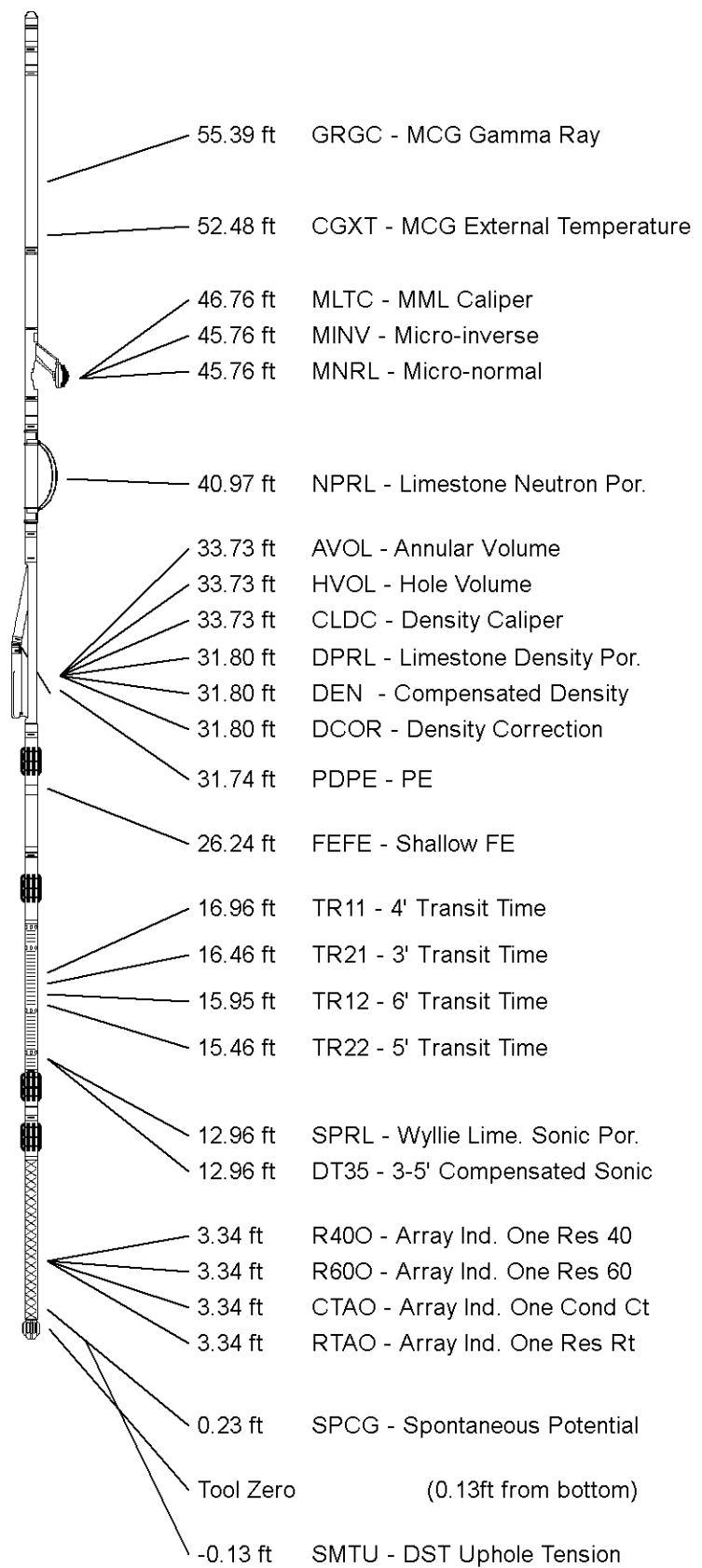
Compact Density/Caliper
MPD-C.A 216 LG: 9.59 ft WT: 90.4 lb OD: 2.449 in

Compact Focussed Electric
MFE-B.J 352 LG: 6.05 ft WT: 48.5 lb OD: 2.244 in

Compact Sonic
MSS-A.A 55 LG: 12.52 ft WT: 72.8 lb OD: 2.244 in

Compact Induction
MAI-A.A 111 LG: 10.81 ft WT: 48.5 lb OD: 2.244 in

Total Length: 63.07 ft Weight: 480.6 lb



All measurements relative to tool zero.

COMPANY	K3 OIL & GAS OPERATING COMPANY
WELL	SORENSEN #4-3
FIELD	WILDCAT
PROVINCE/COUNTY	LINCOLN
COUNTRY/STATE	U.S.A. / COLORADO

Elevation Kelly Bushing	5048	feet	First Reading	7518.00	feet
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Elevation Drill Floor	5046	feet	Depth Driller	7550.00	feet
Elevation Ground Level	5030	feet	Depth Logger	7550.00	feet



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CALIPER LOG