



HOLE VOLUME CALIPER LOG

COMPANY				BILL BARRETT CORPORATION			
WELL				GGU FEDERAL 12C-28-691			
FIELD				GIBSON GULCH			
PROVINCE/COUNTY				GARFIELD			
COUNTRY/STATE				U.S.A. / COLORADO			
LOCATION				SHL: 1936' FNL & 1876' FWL			
				BHL: 1868' FNL & 664' FWL			
SEC	TWP	RGE	Other Services		Elevations:		
28	6S	91W	MPD/MDN		KB	6354.00	
API Number		05-045-19205	MAI/MFE		DF	6353.00	
Permit Number					GL	6332.00	
Permanent Datum G.L., Elevation 6332 feet							
Log Measured From K.B. @ 22 FEET above Permanent Datum							
Drilling Measured From K.B.							
Date	01-SEP-2010						
Run Number	ONE						
Depth Driller	7770.00					feet	
Depth Logger	6827.00					feet	
First Reading	6805.00						
Last Reading	832.00						
Casing Driller	833.00					feet	
Casing Logger	832.00					feet	
Bit Size	7.880					inches	
Hole Fluid Type	LSND						
Density / Viscosity	10.10 lb/USg					51.00 CP	
PH / Fluid Loss	9.40					6.40 ml/30Min	
Sample Source	FLOW LINE						
Rm @ Measured Temp	2.05 @100.3					ohm-m	
Rmf @ Measured Temp	1.64 @100.3					ohm-m	
Rmc @ Measured Temp	2.46 @100.3					ohm-m	
Source Rmf / Rmc	CALC					CALC	
Rm @ BHT	1.263 @165.0					ohm-m	
Time Since Circulation	6 HOURS						
Max Recorded Temp	165.00					deg F	
Equipment Name	COMPACT						
Equipment / Base	13173					GD JCT	
Recorded By	D. KUNTZ						
Witnessed By	R. SCHULTZ						

BOREHOLE RECORD

Last Edited: 01-SEP-2010 18:32

Bit Size inches	Depth From feet	Depth To feet
8.750	832.00	3688.00
7.880	3688.00	7770.00

CASING RECORD

Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE	9.625	0.00	832.00	36.00

REMARKS

TOOLS: SHA, MCG, MDN, MPD, SKJ, MFE AND MAI RAN IN COMBINATION.

HARDWARE: MPD: 8 INCH PROFILE PLATE USED.
ONE 0.5 INCH STANDOFFS USED ON INDUCTION.
ONE 0.5 INCH STANDOFFS USED ON MFE.
DUAL BOWSPRING USED ON NEUTRON.

2.68 G/CC DENSITY MATRIX USED TO CALCULATE POROSITY.

ALL INTERVALS LOGGED AND SCALED PER CUSTOMER'S REQUEST.

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

BRIDGED OFF AT 6827 FEET AND LOGGED OUT AS PER CUSTOMERS' REQUEST.

REPEAT SECTION PERFORMED OFF OF BOTTOM AND REPEATABILITY OF POROSITY CURVES IS POOR DUE TO HOLE CONDITIONS.

UNDERGAUGE SECTION BETWEEN 6030-6050 FEET NOT REPEATED DUE TO HITTING LEDGE AT THAT DEPTH WHILE RUNNING IN HOLE.

CALIPER CHECK IN CASING PRESENTED, REFERENCE I.D. = 8.98" (9 5/8", 36 LB/FT CASING)

8.75 INCH BIT USED FROM SURFACE CASING TO 3688 FT.

TOTAL HOLE VOLUME FROM TD TO SURFACE CASING = 2300 CU.FT.

ANNULAR VOLUME WITH 4.5 INCH PRODUCTION CASING = 1635 CU.FT.

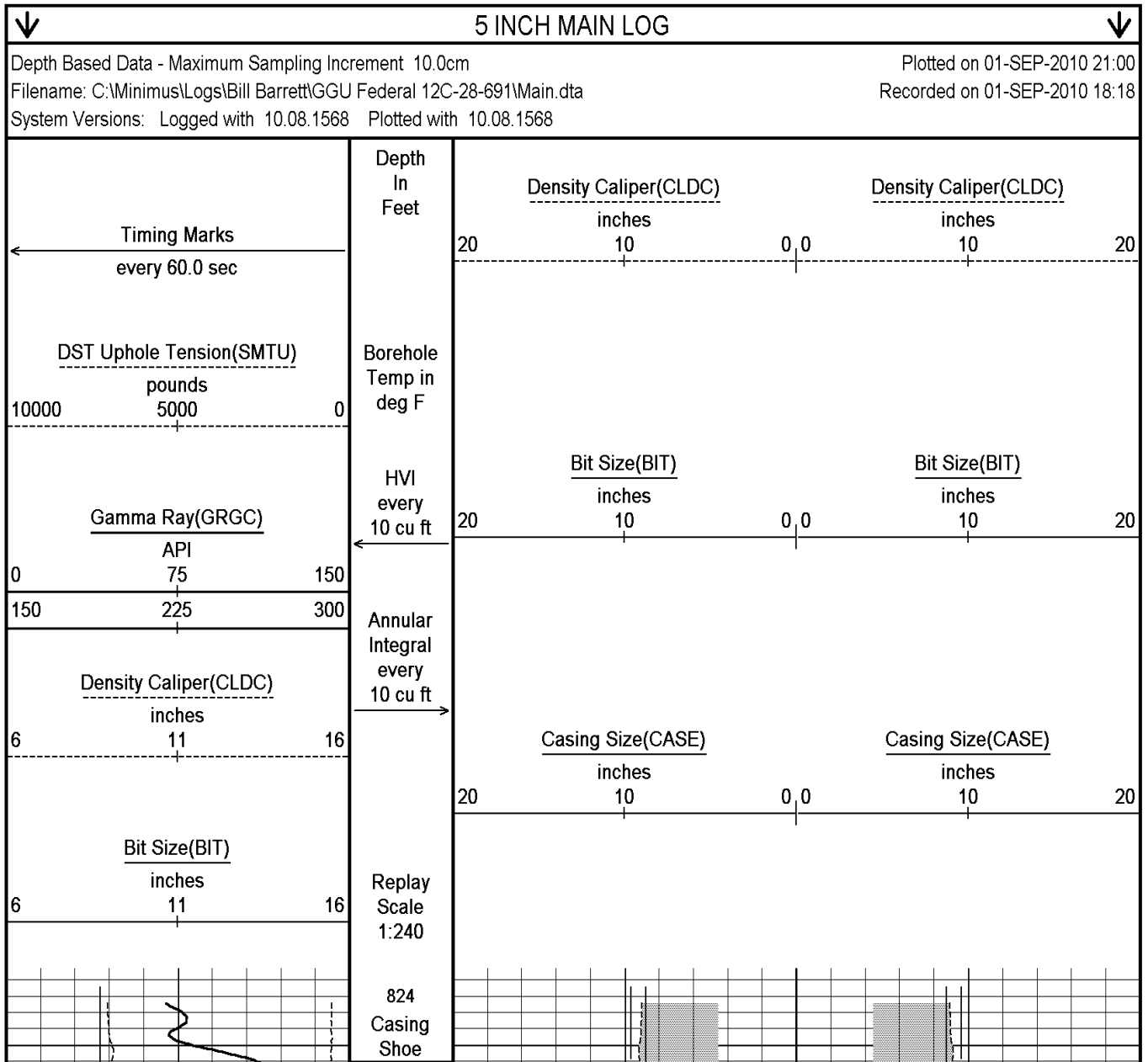
ENGINEER(S): D. KUNTZ

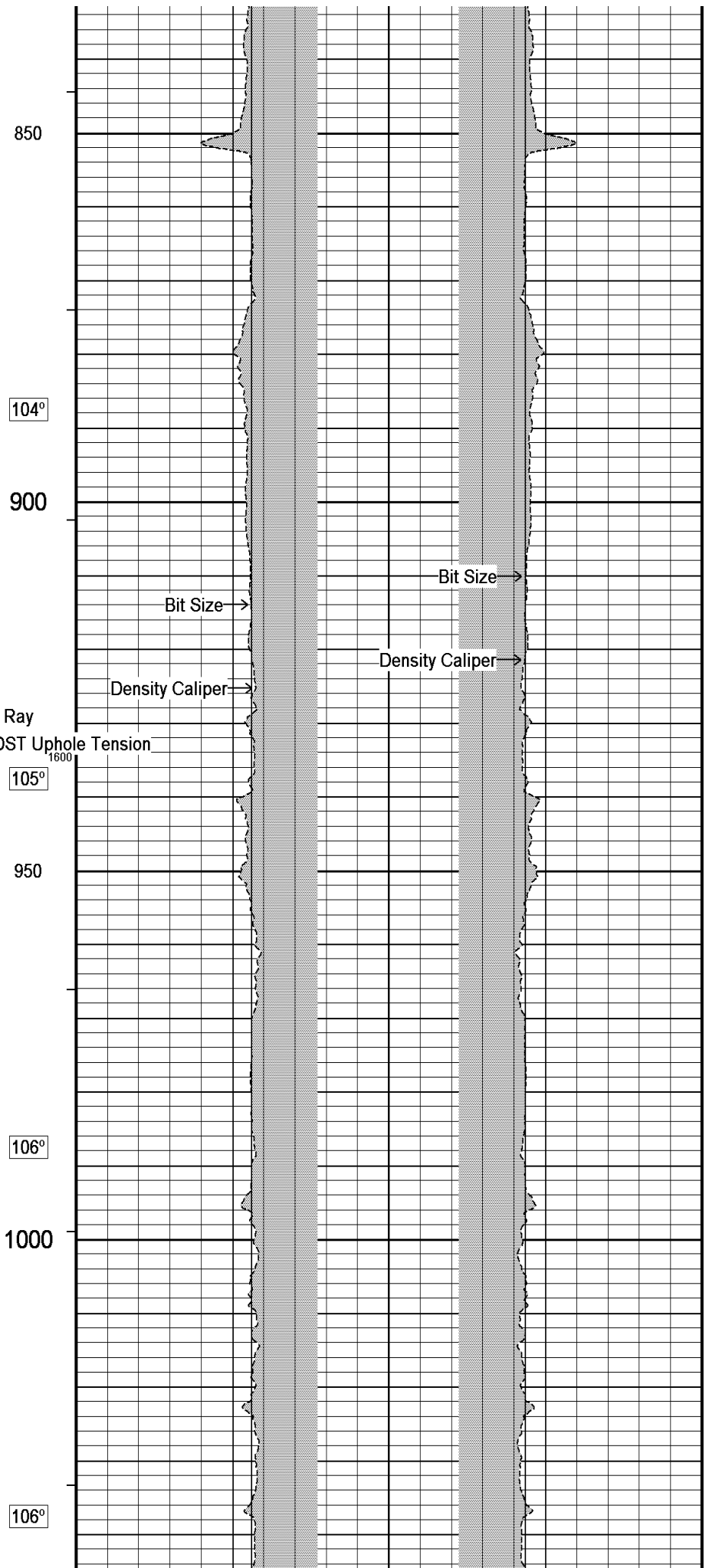
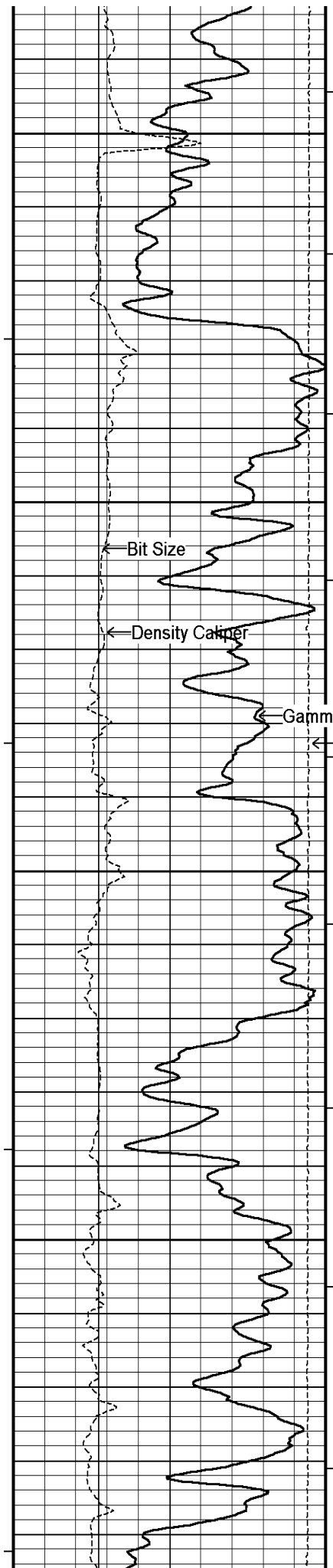
OPERATOR: M. COBO

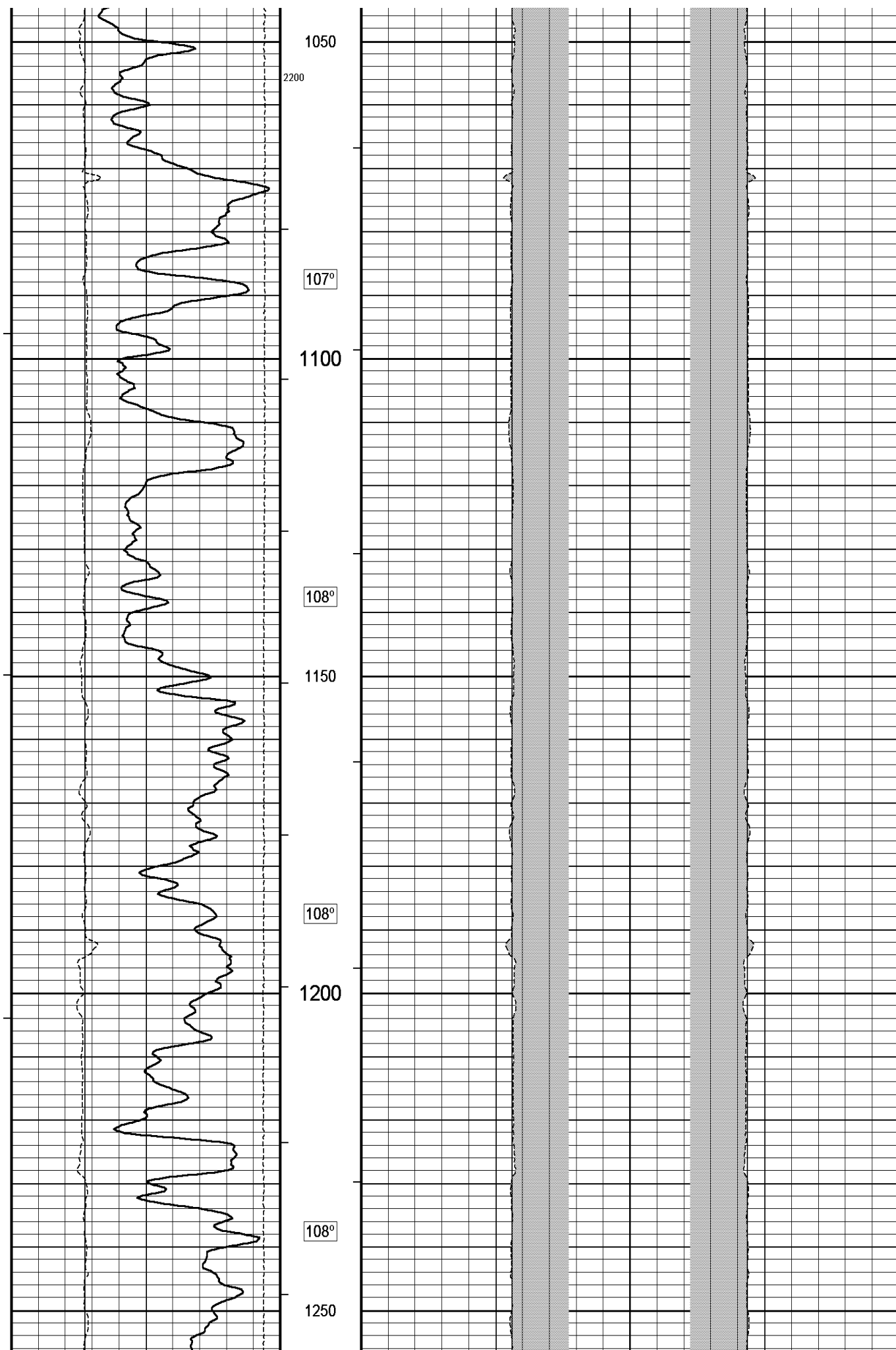
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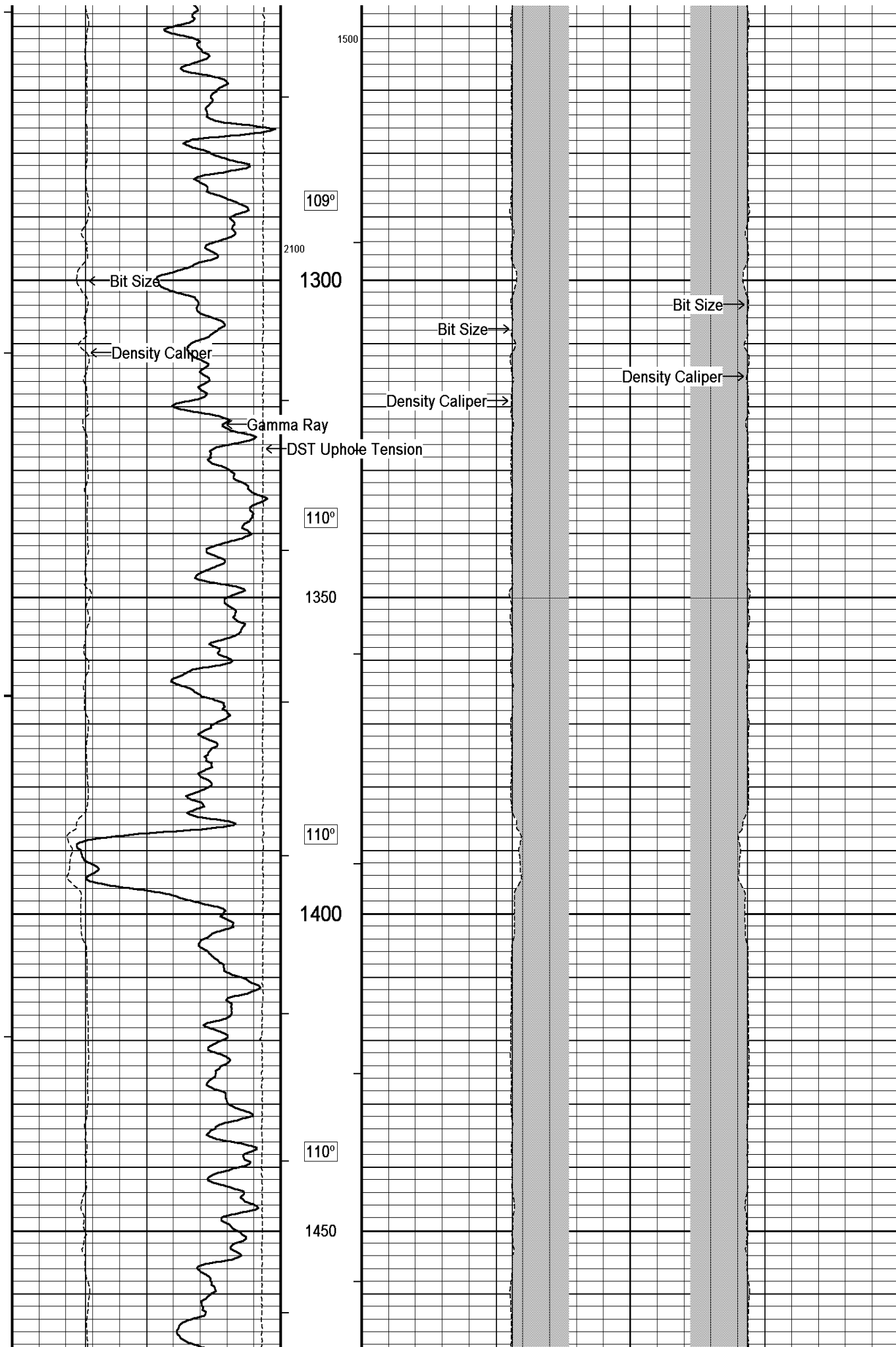
RIG: PATTERSON #313

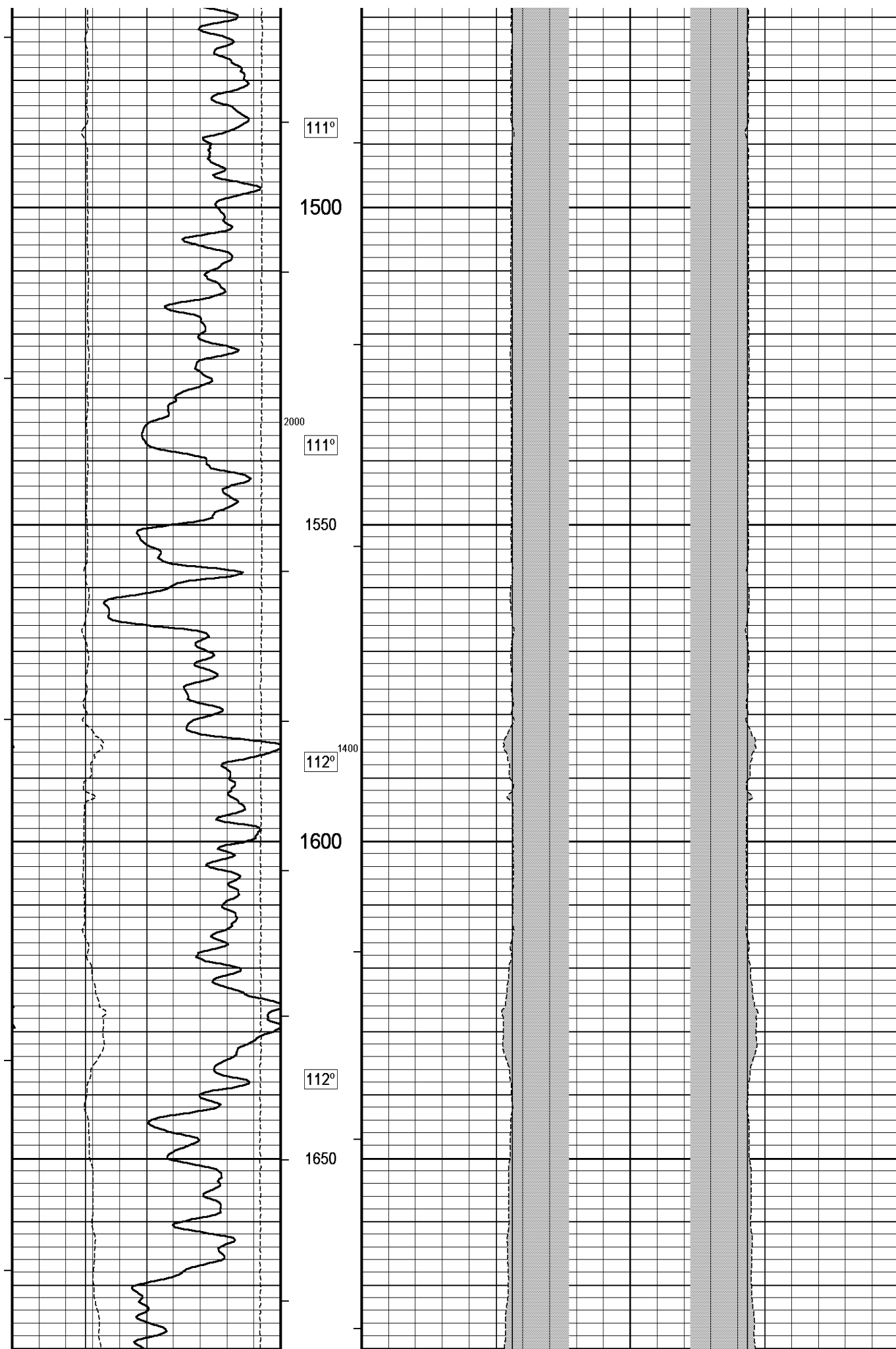
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs,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

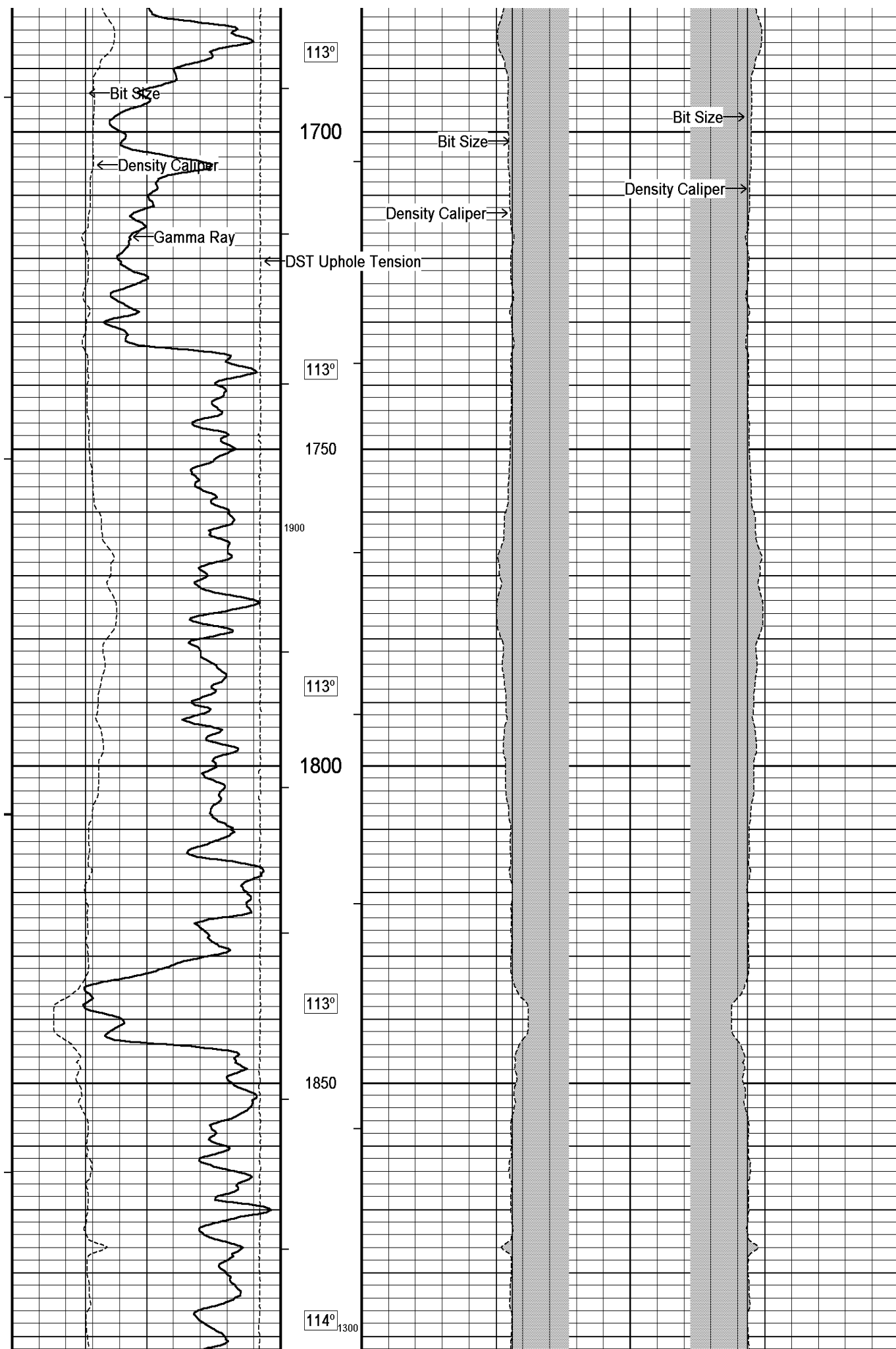


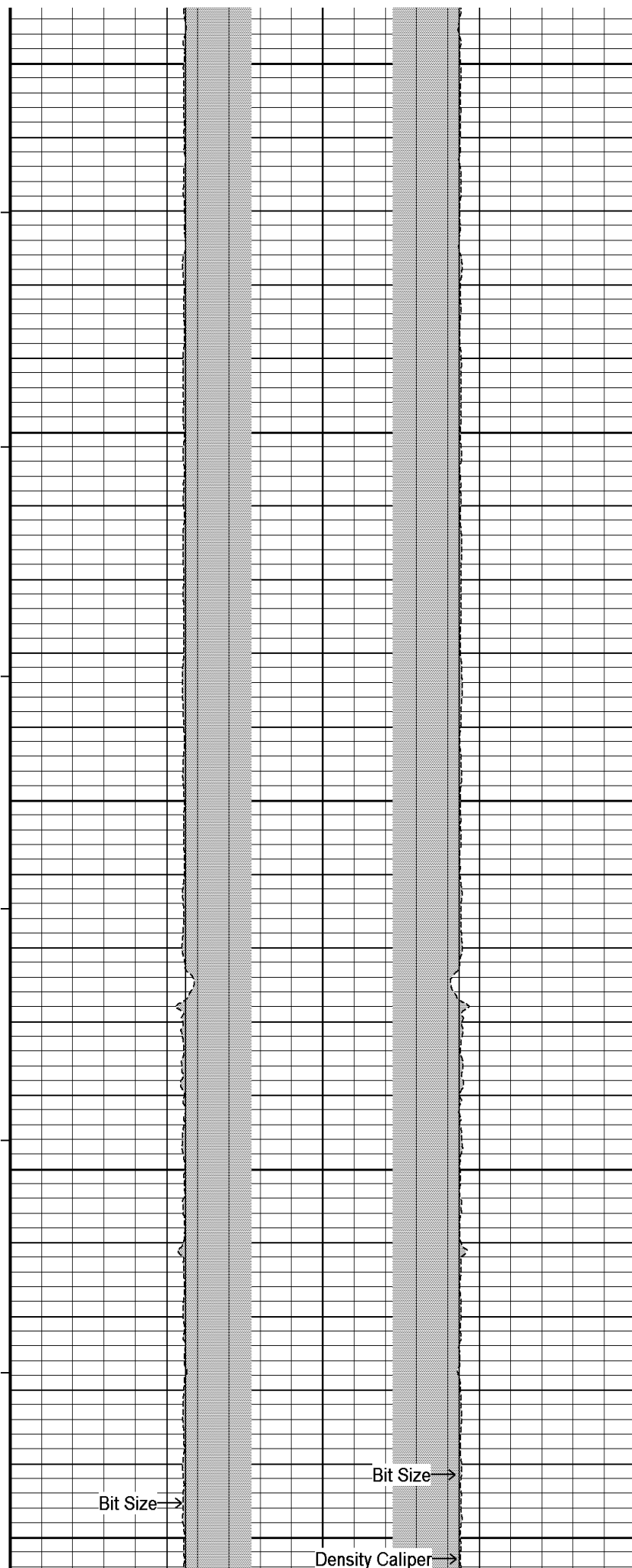
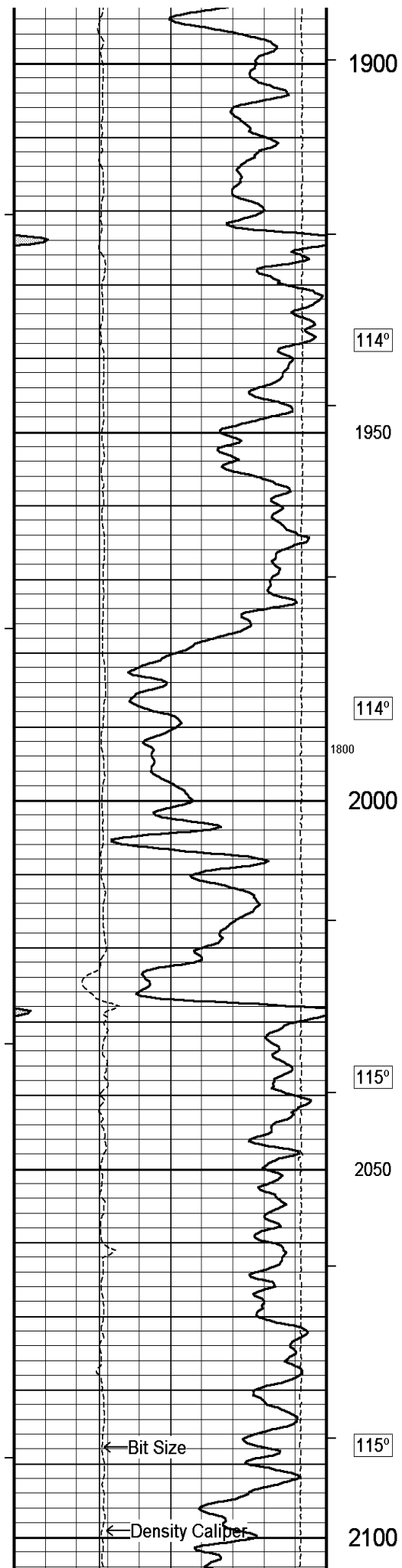


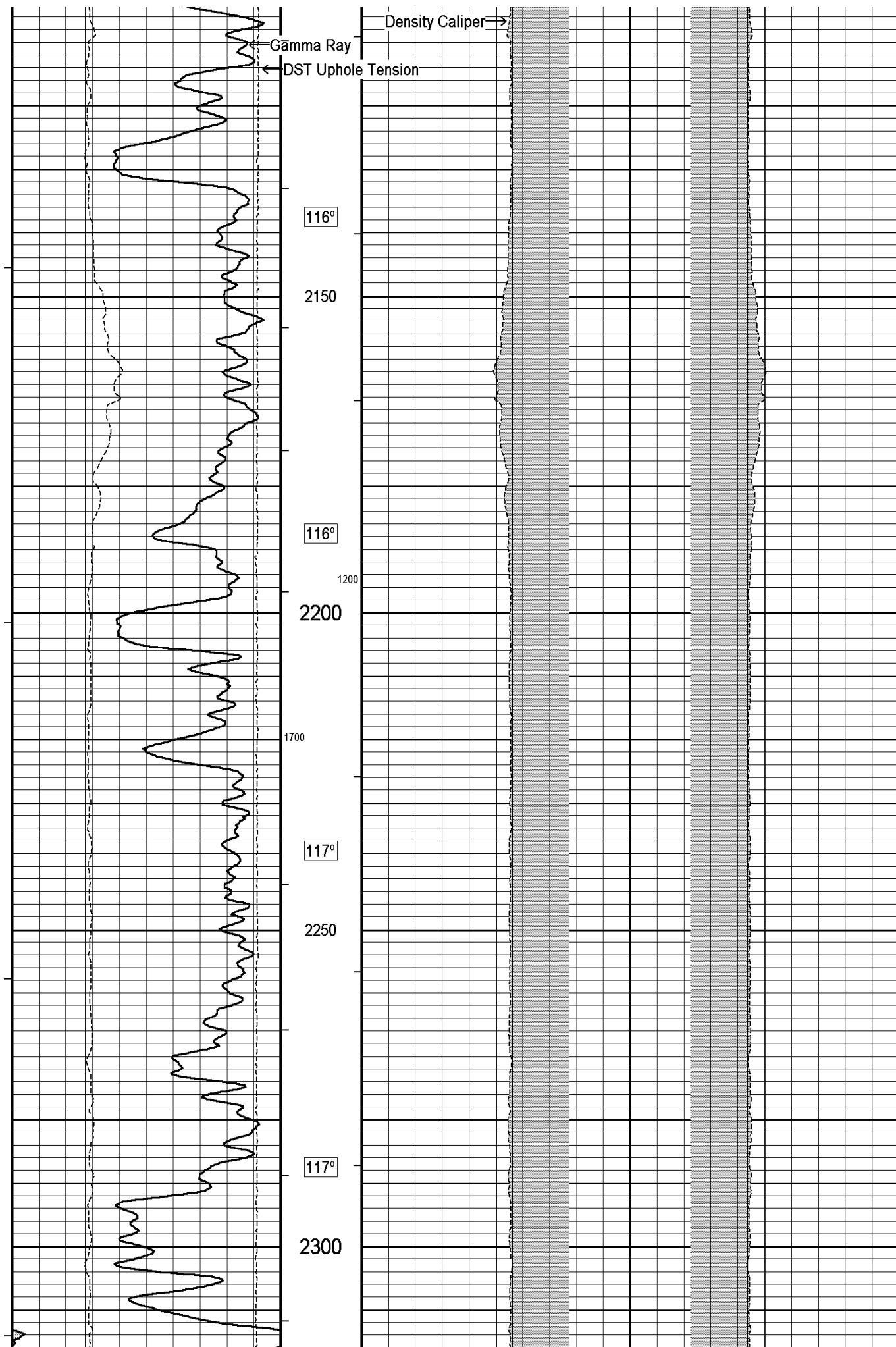


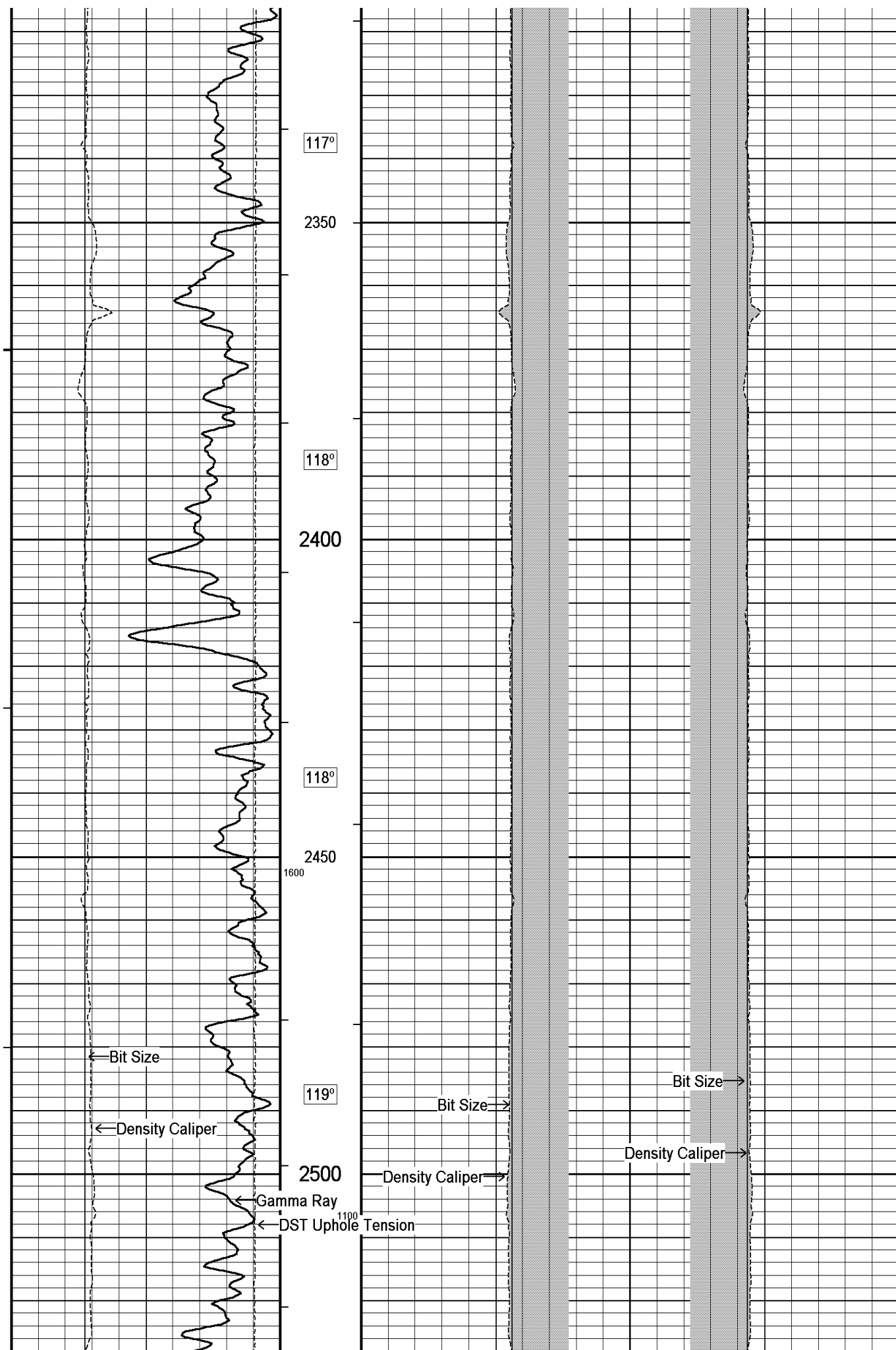


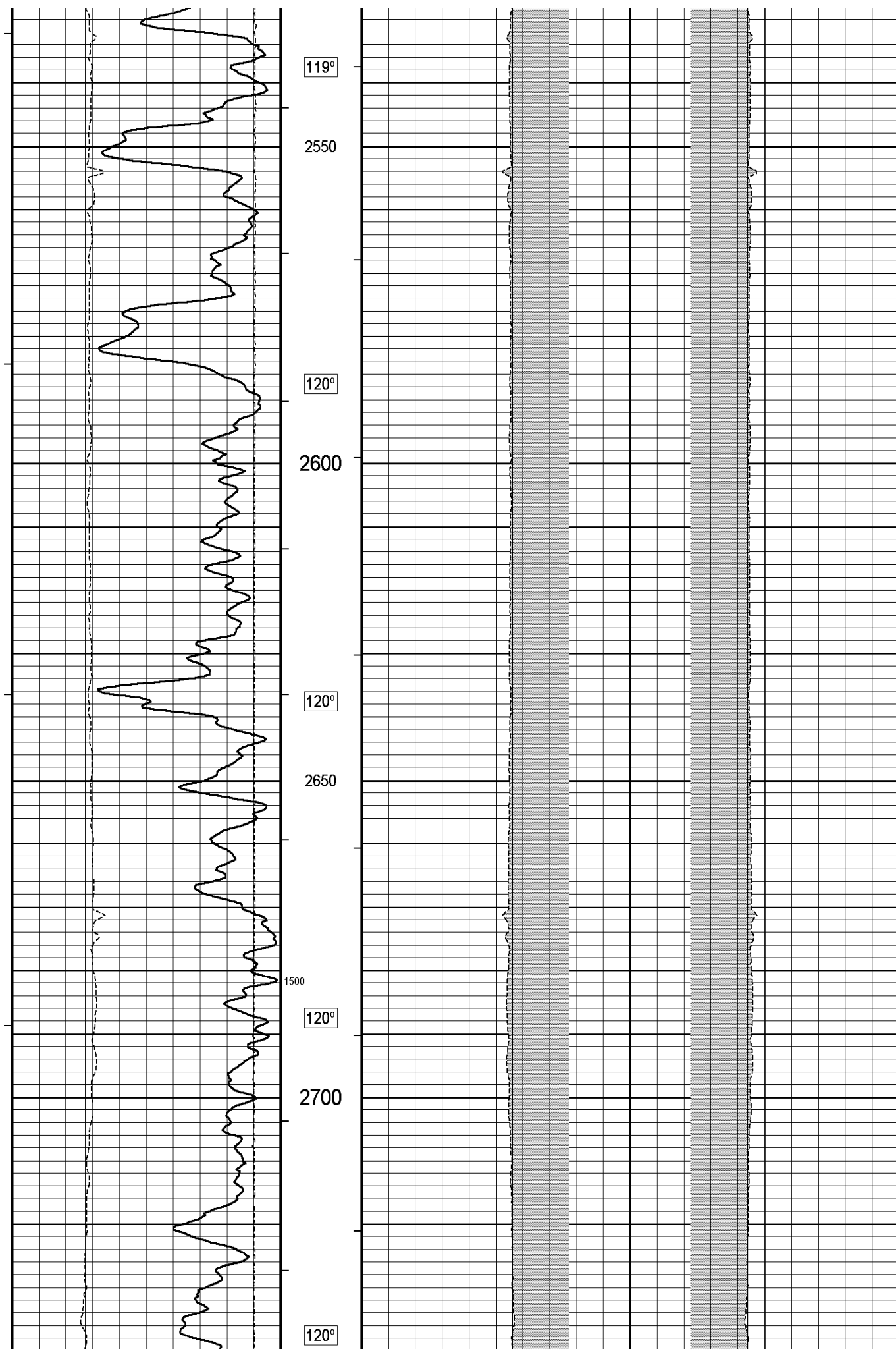


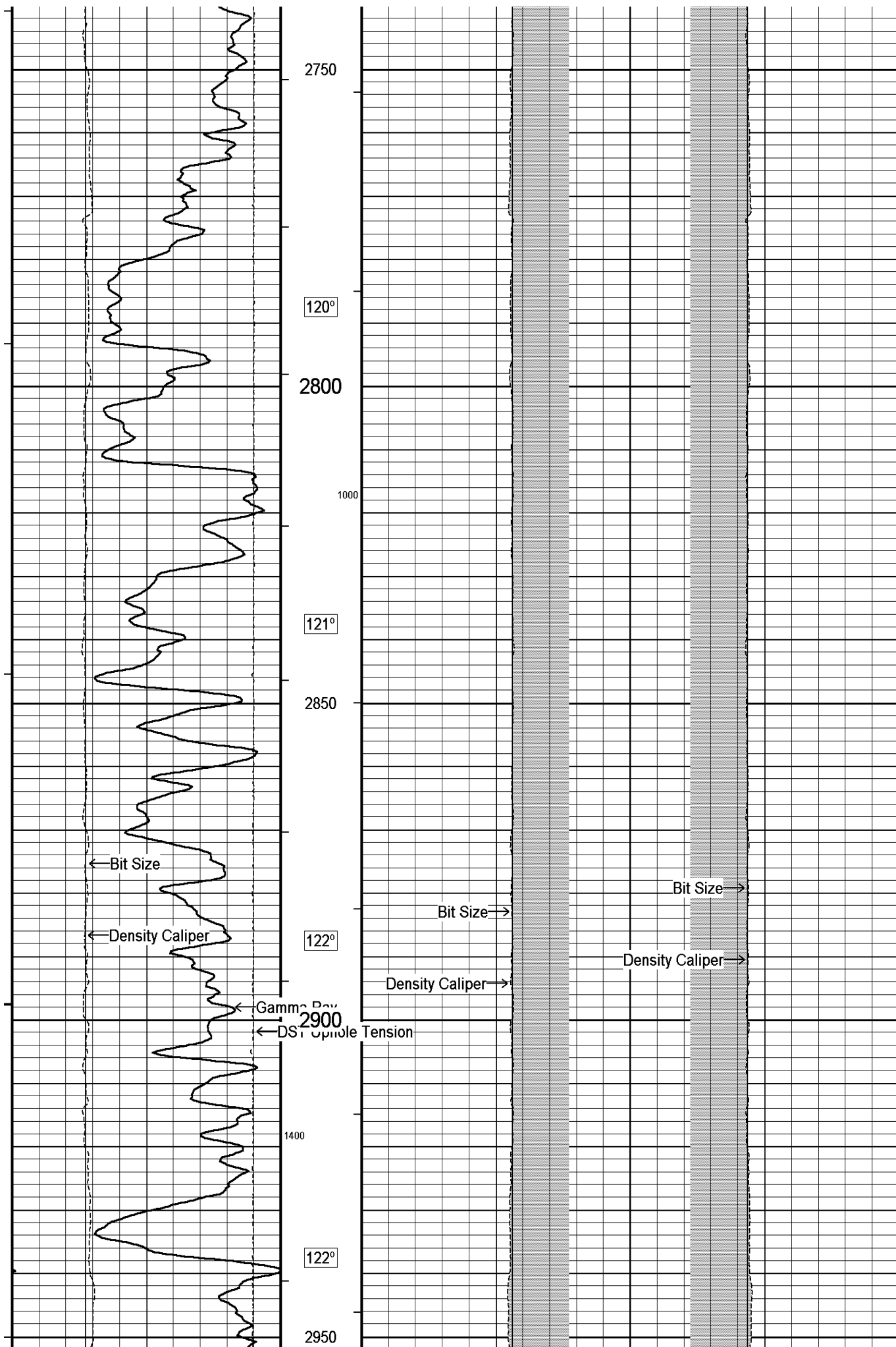


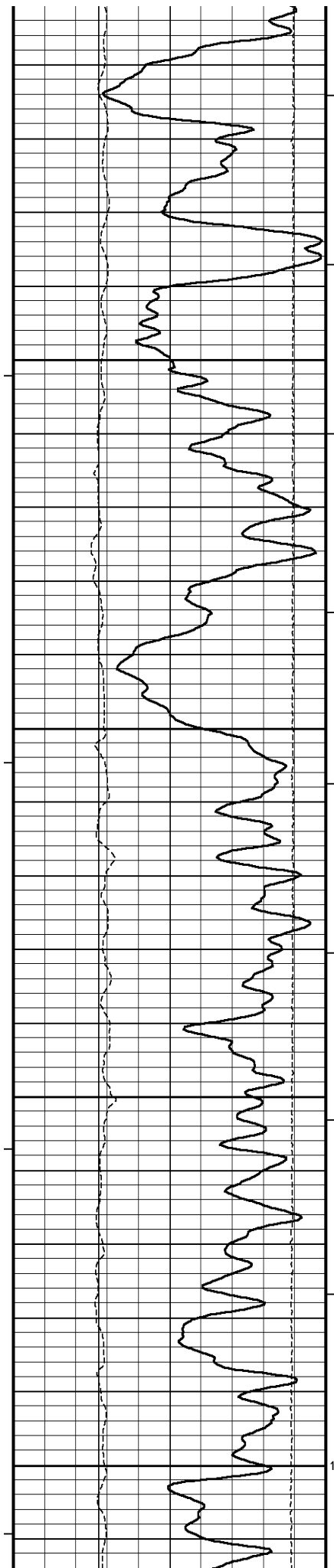












123°

3000

123°

3050

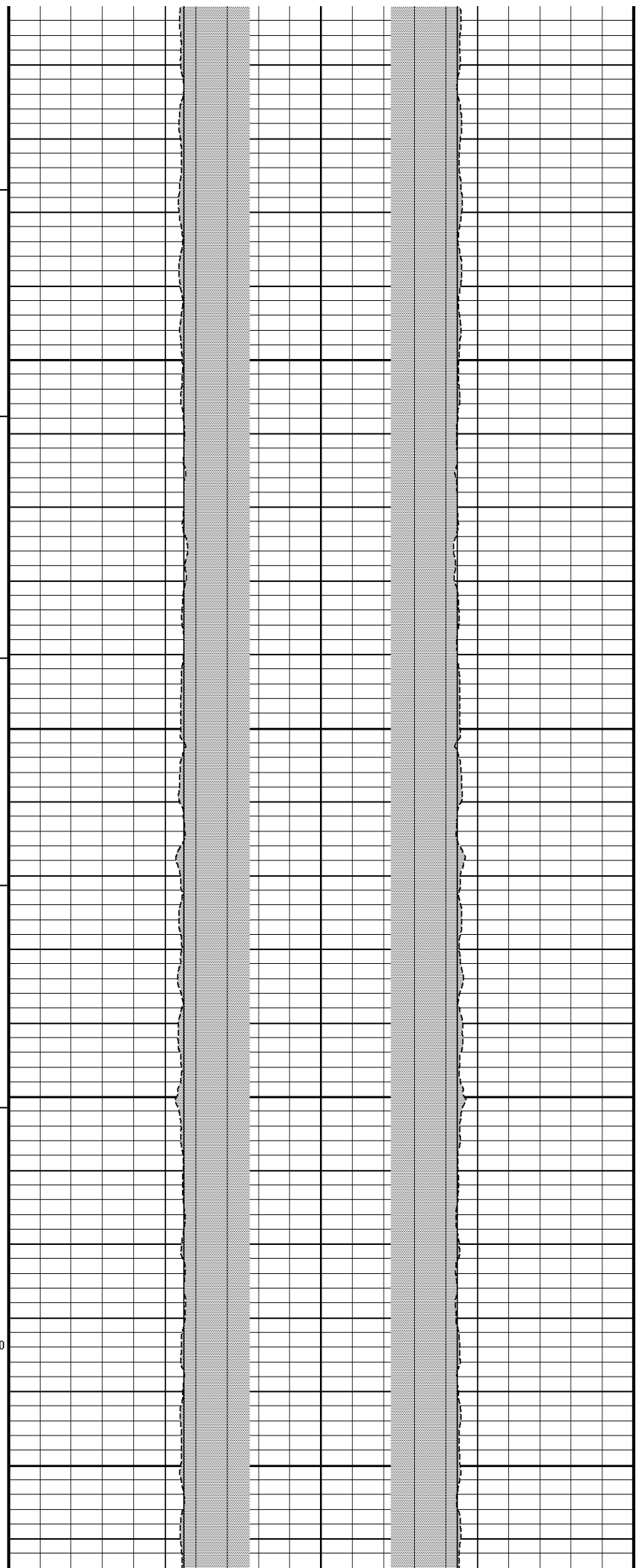
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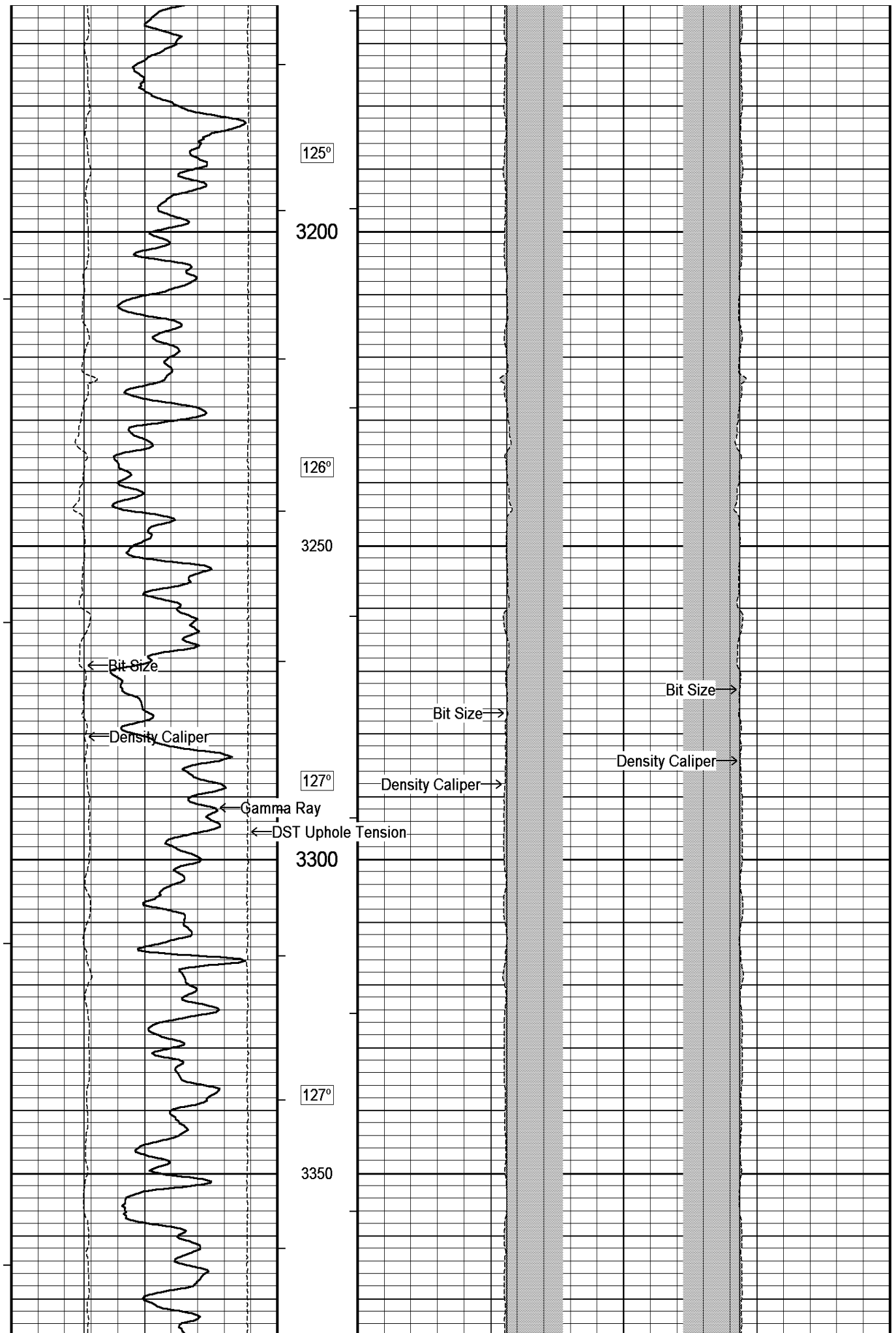
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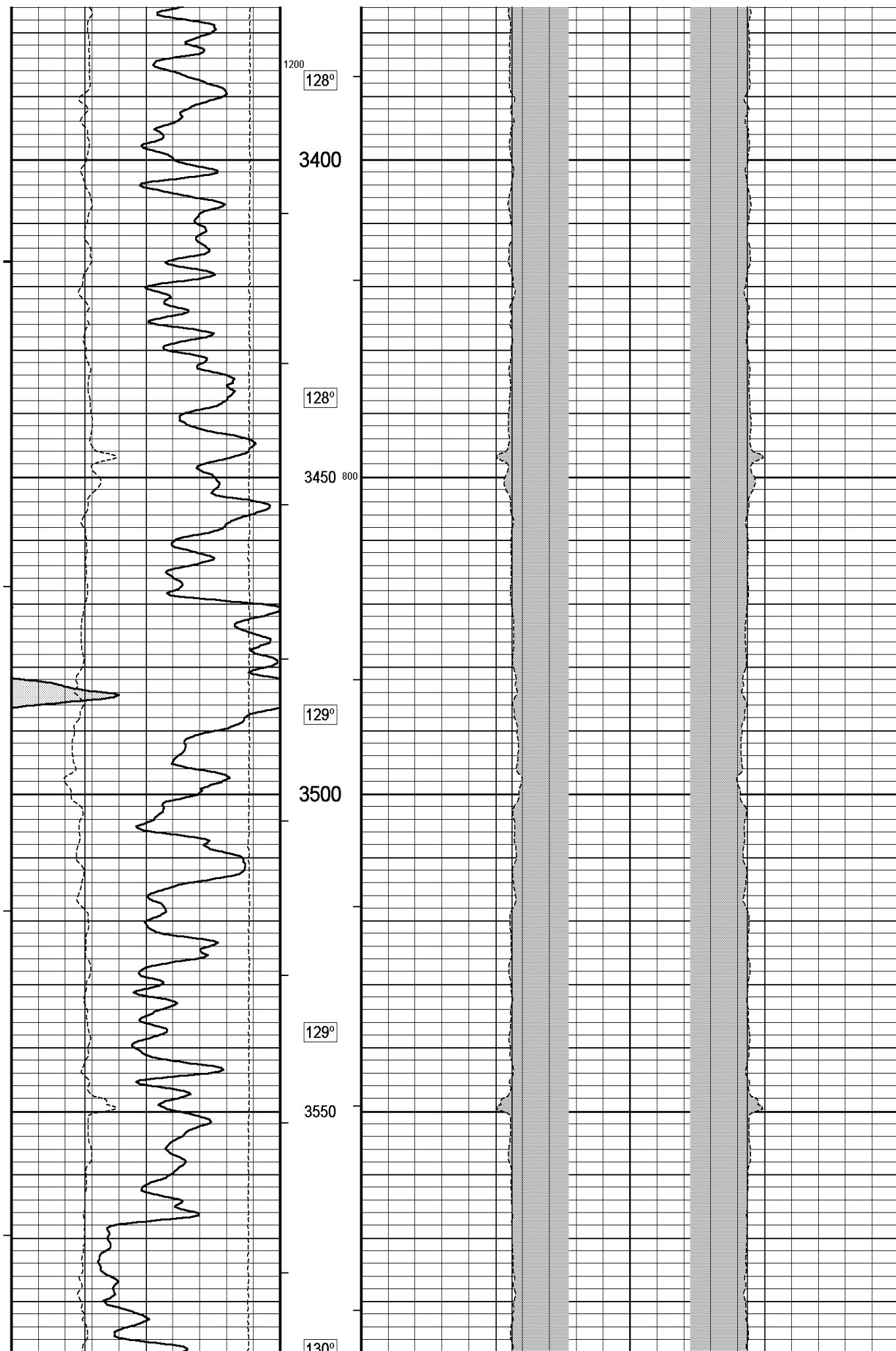
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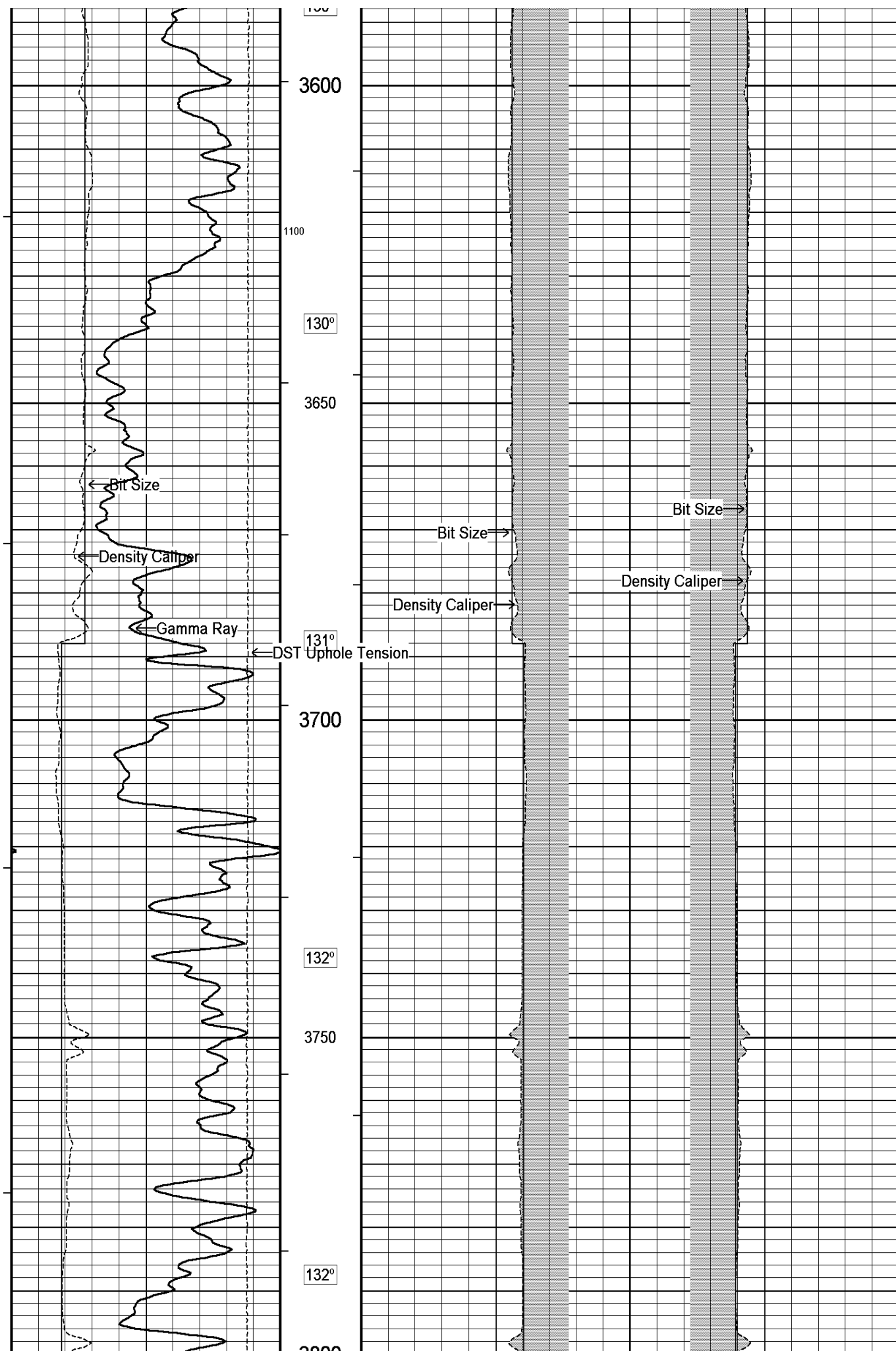
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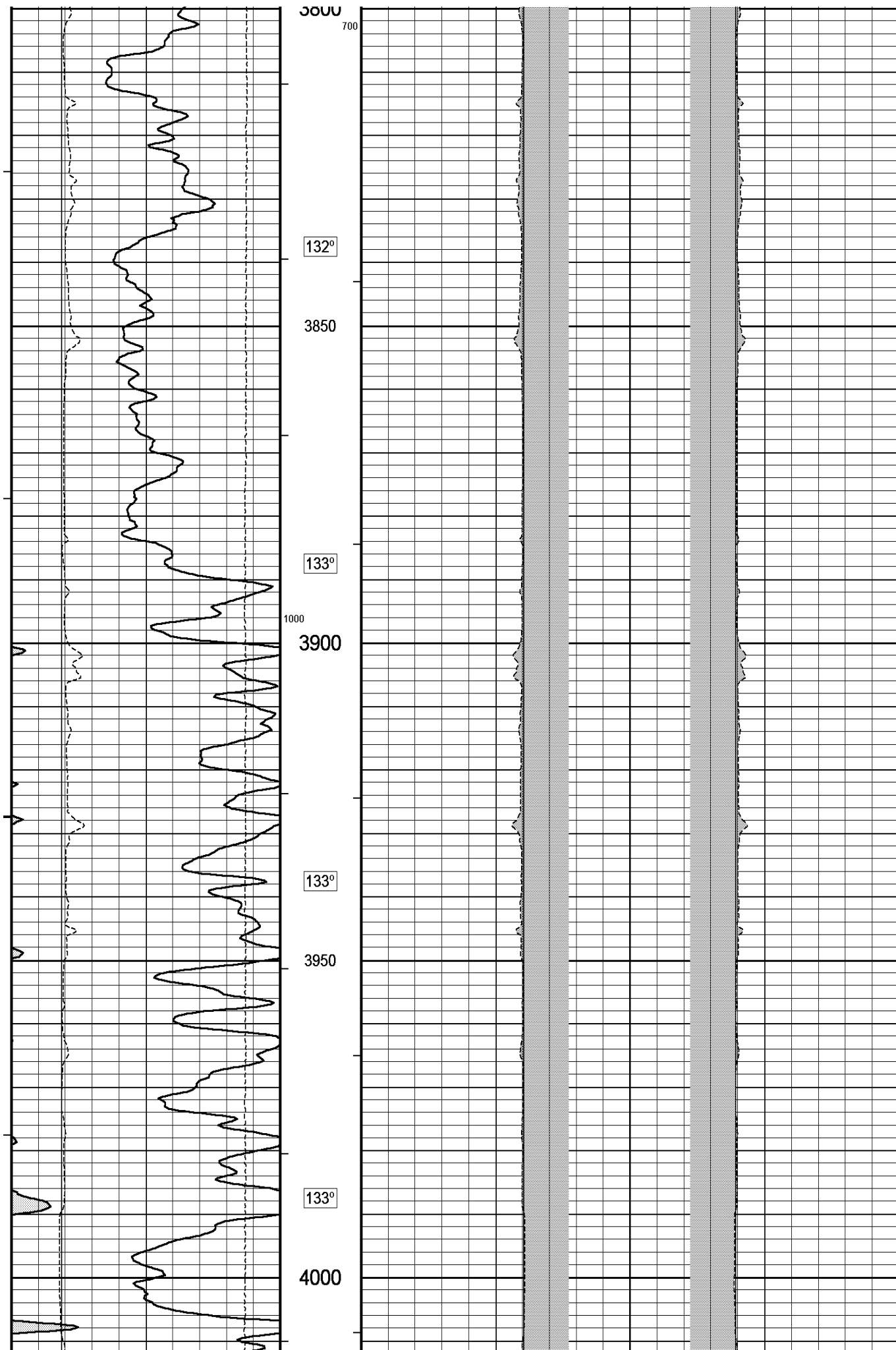
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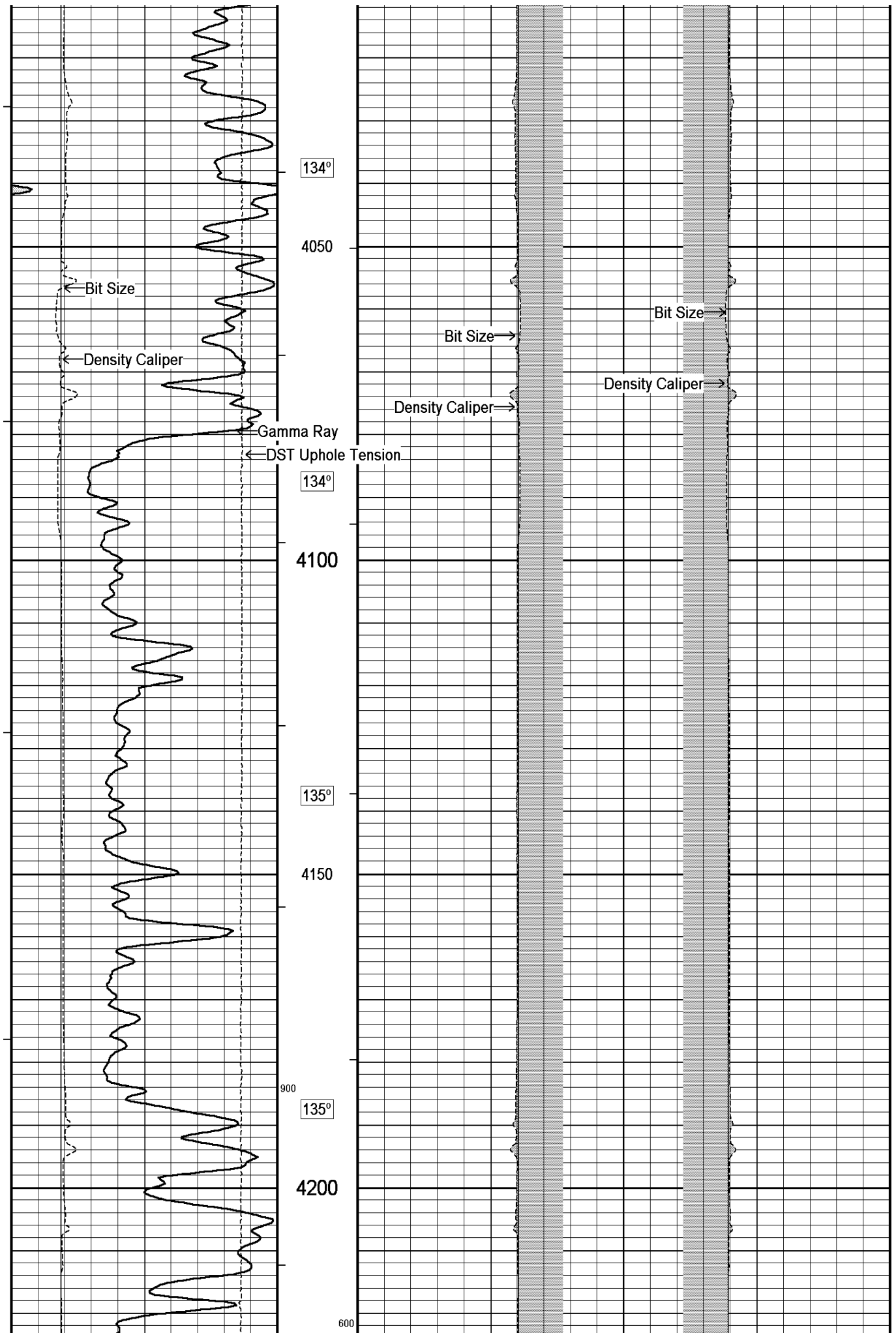


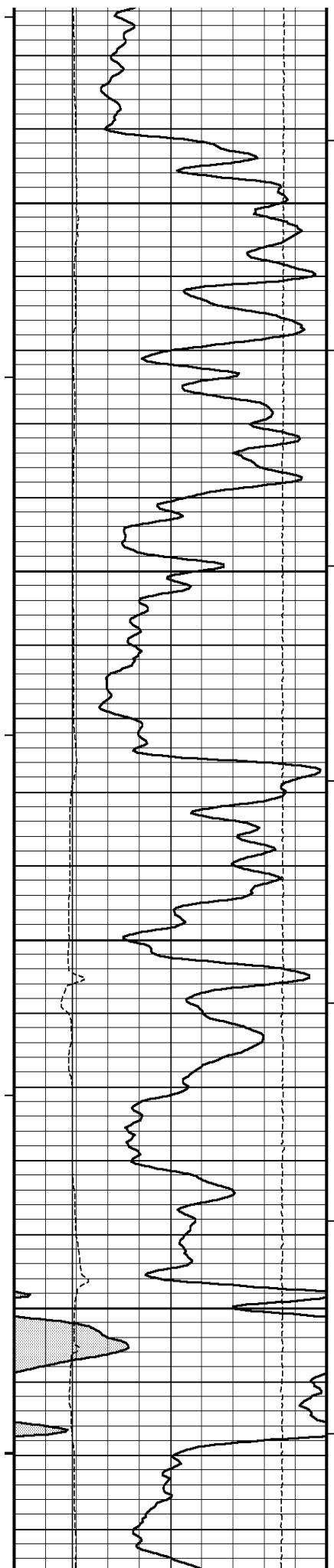












136°

4250

136°

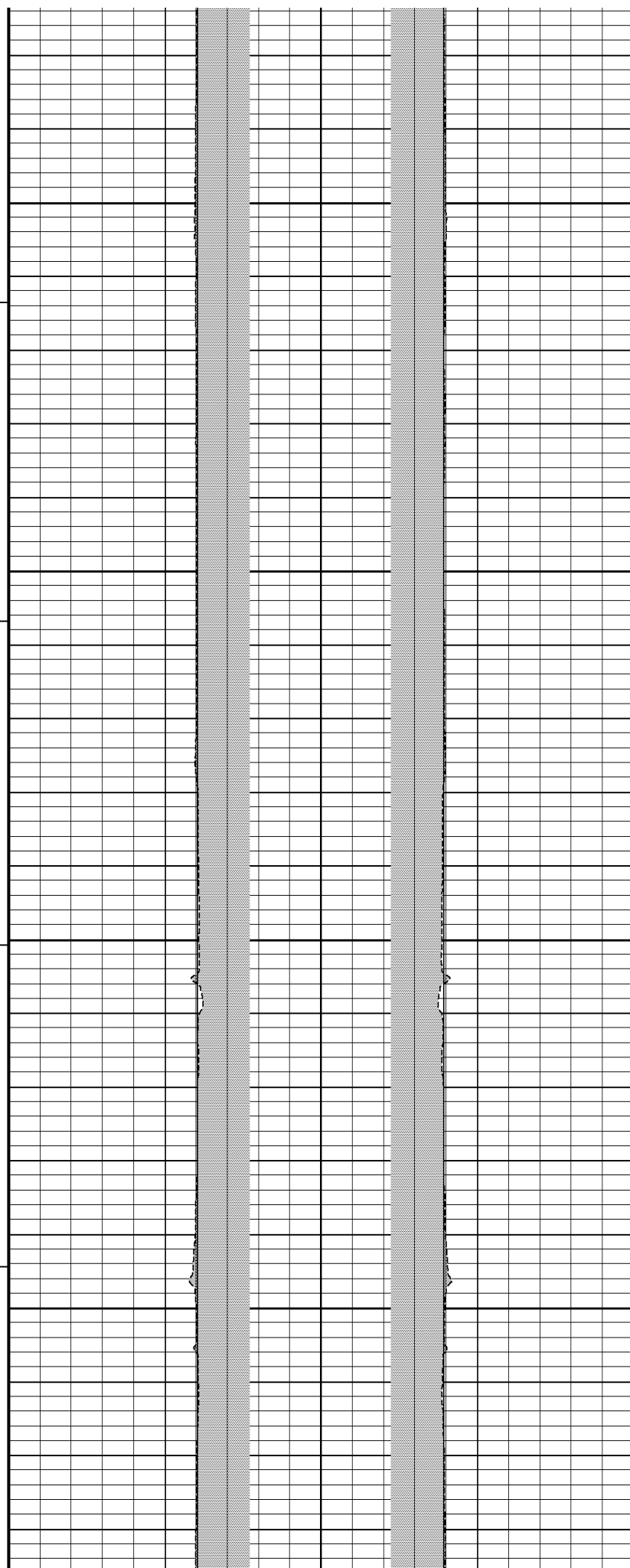
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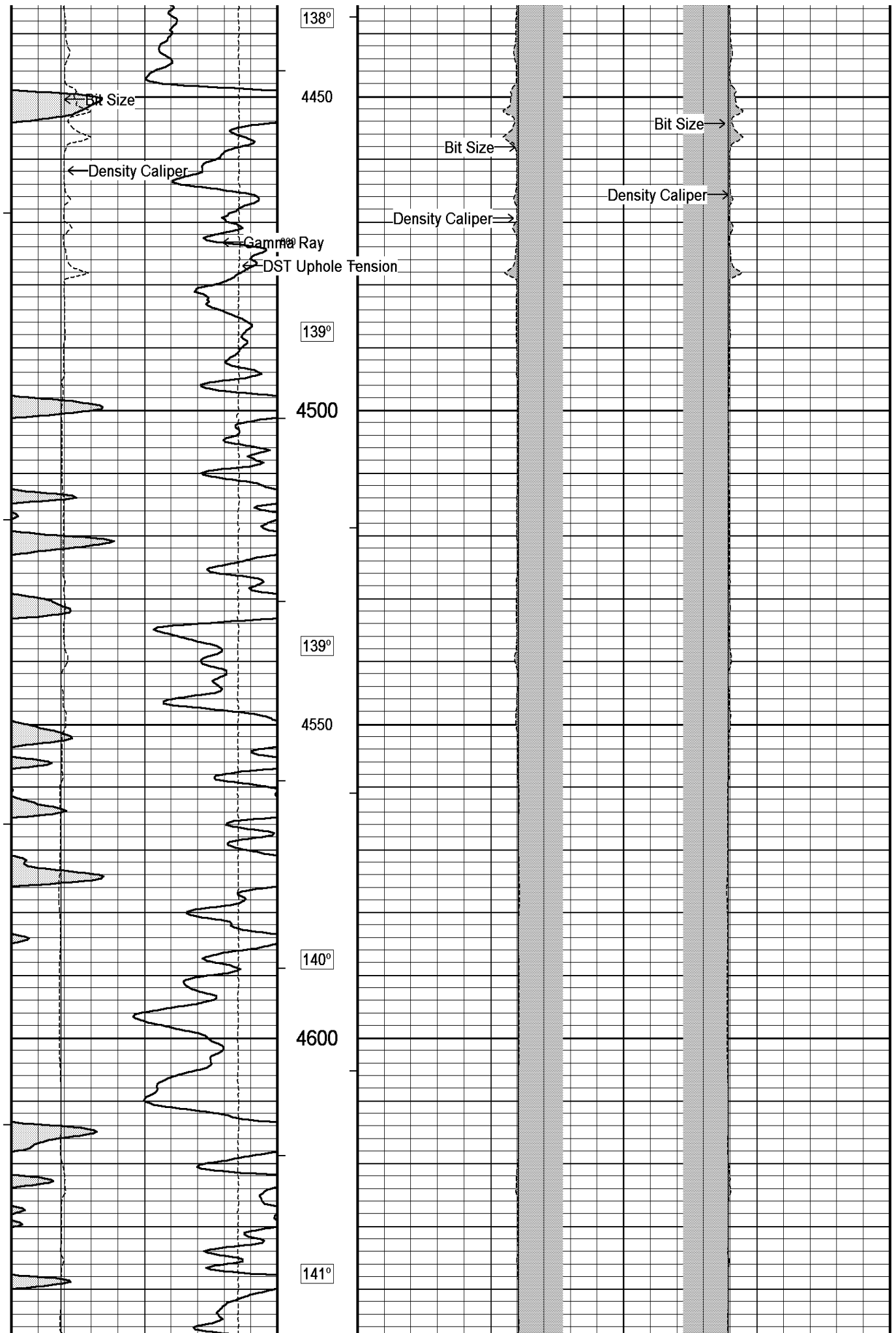
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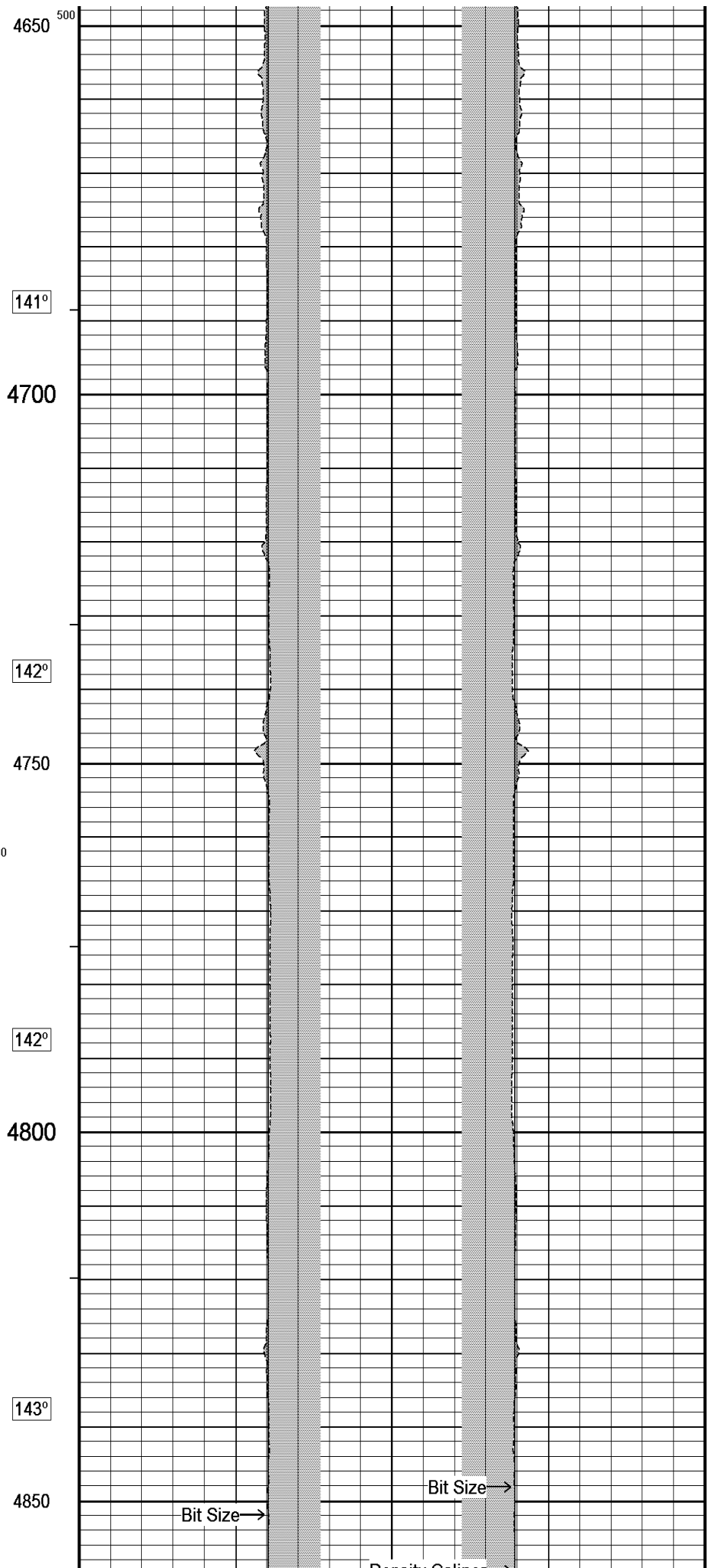
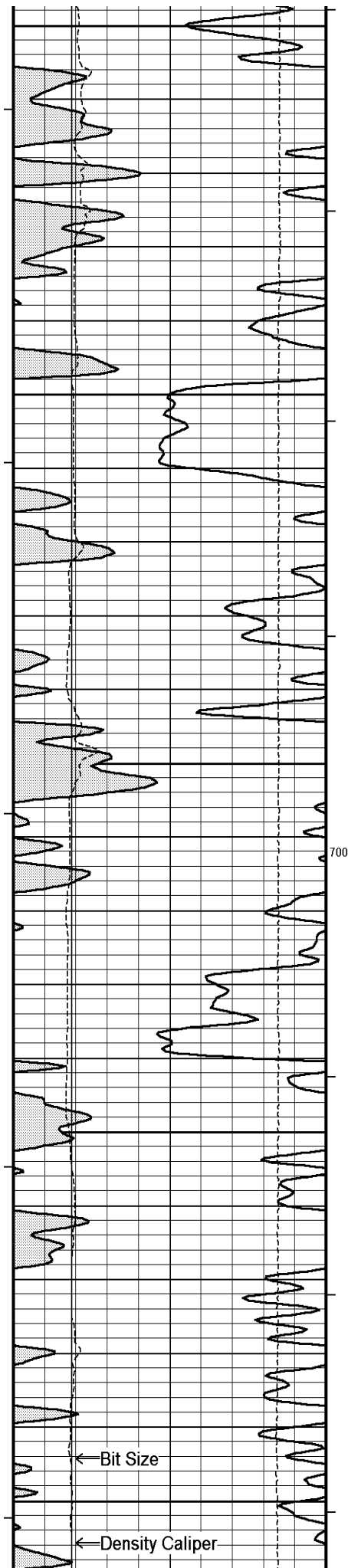
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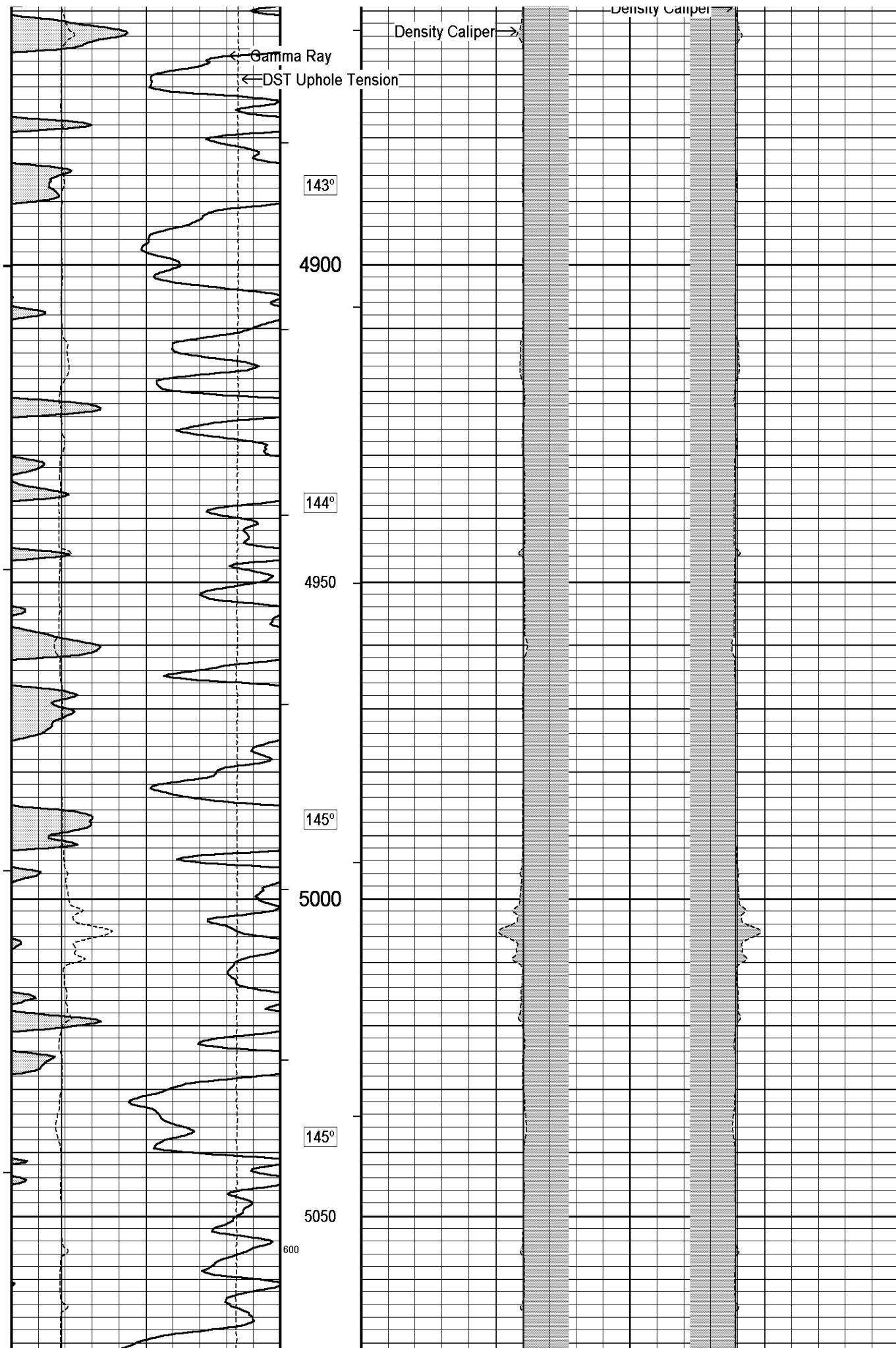
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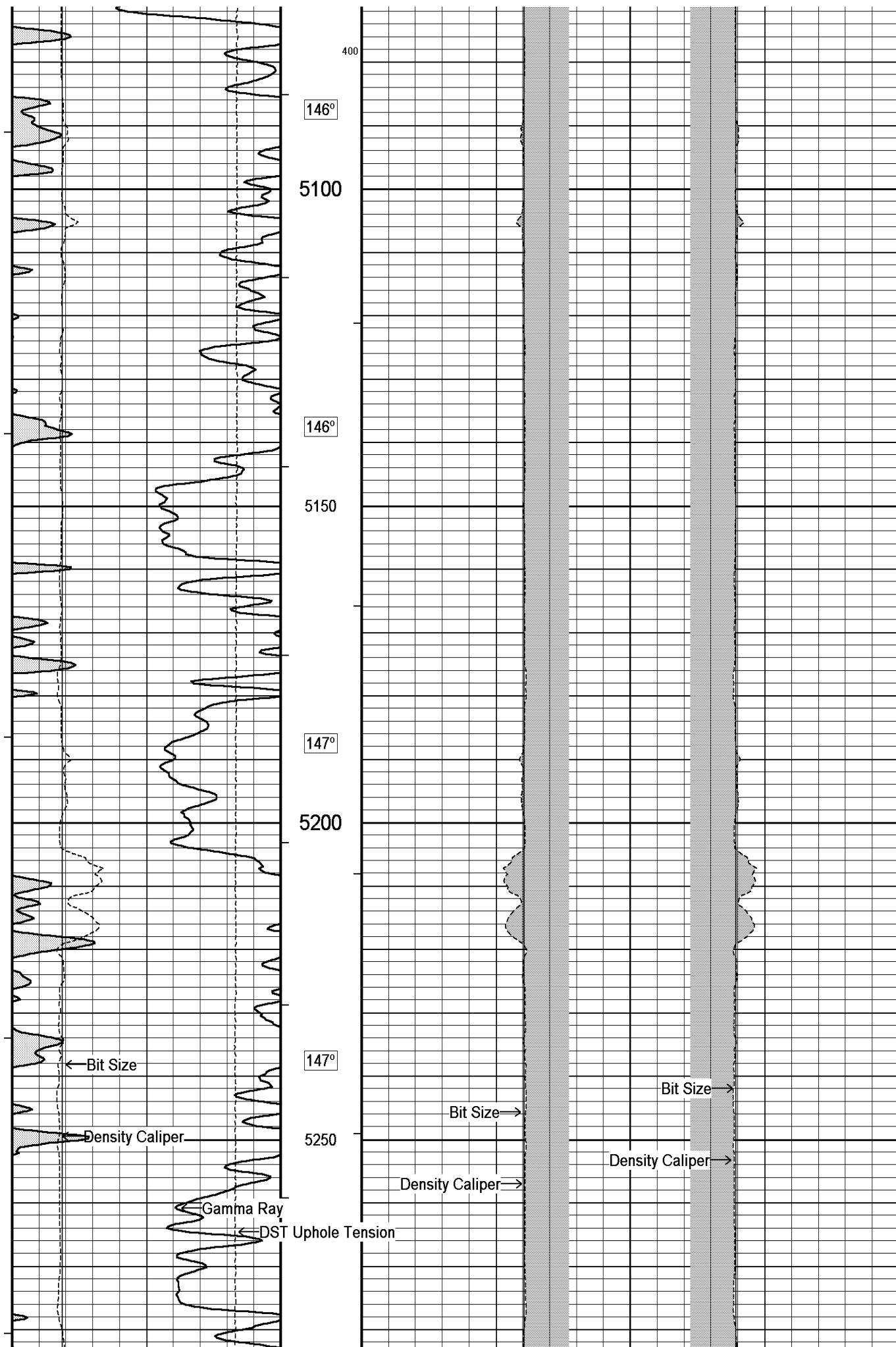
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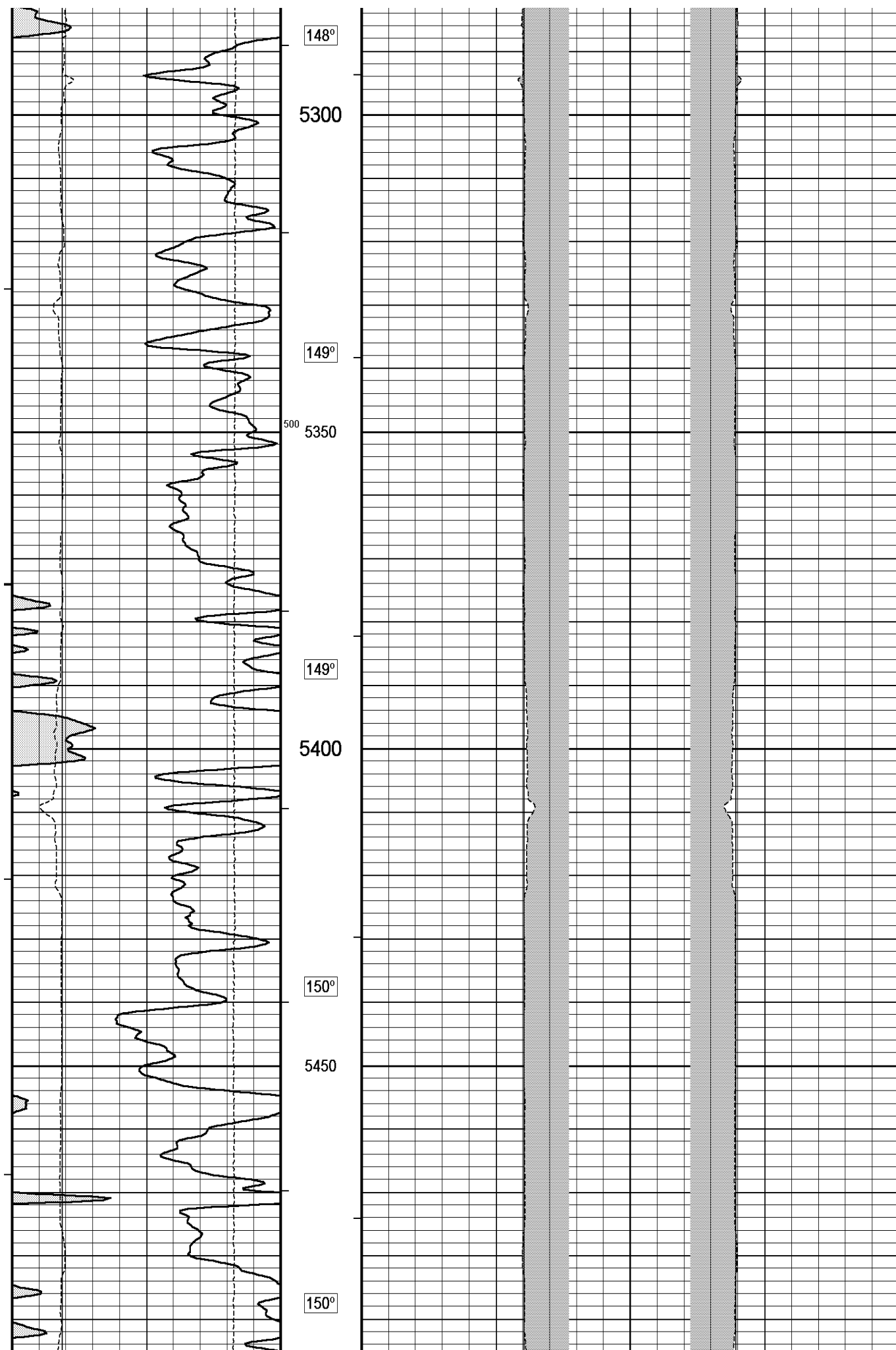


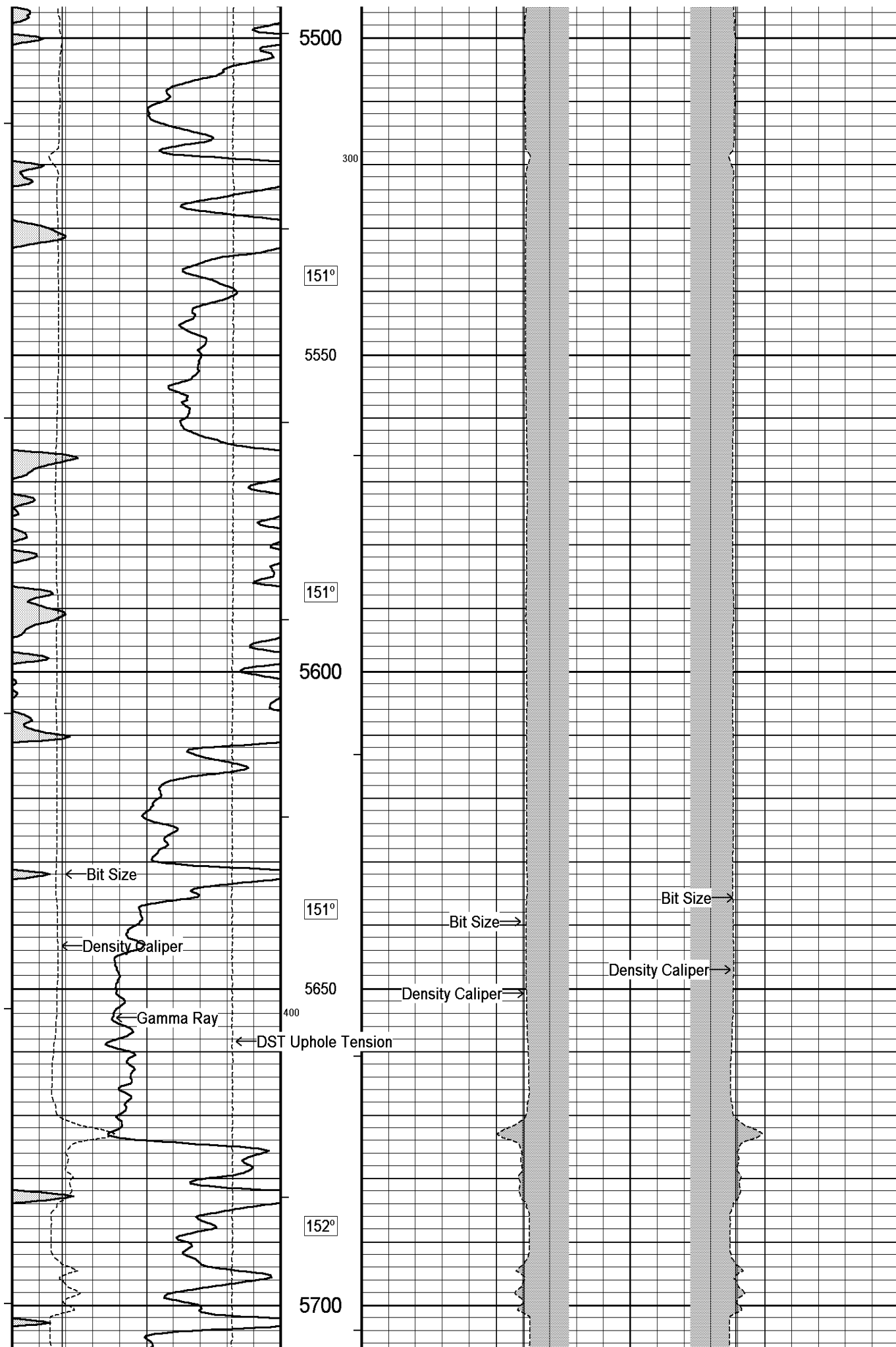


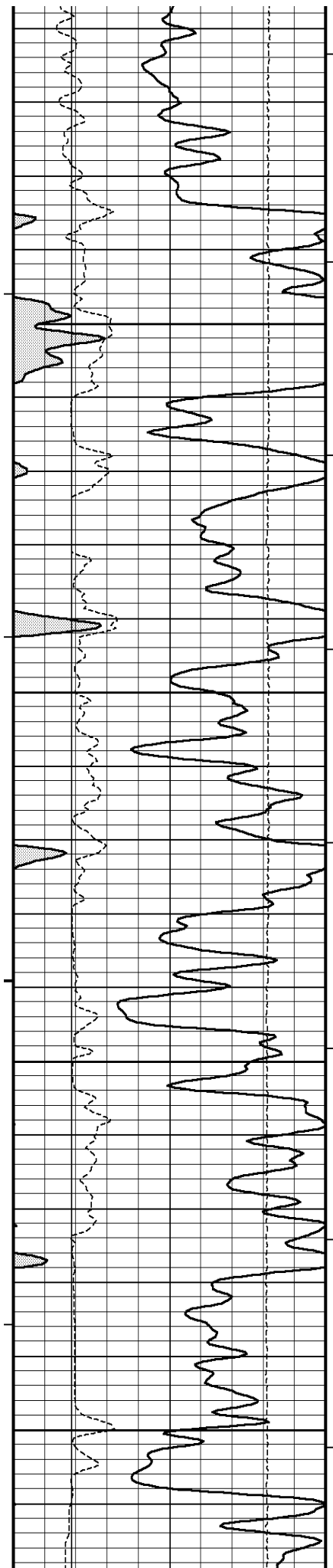












153°

5750

153°

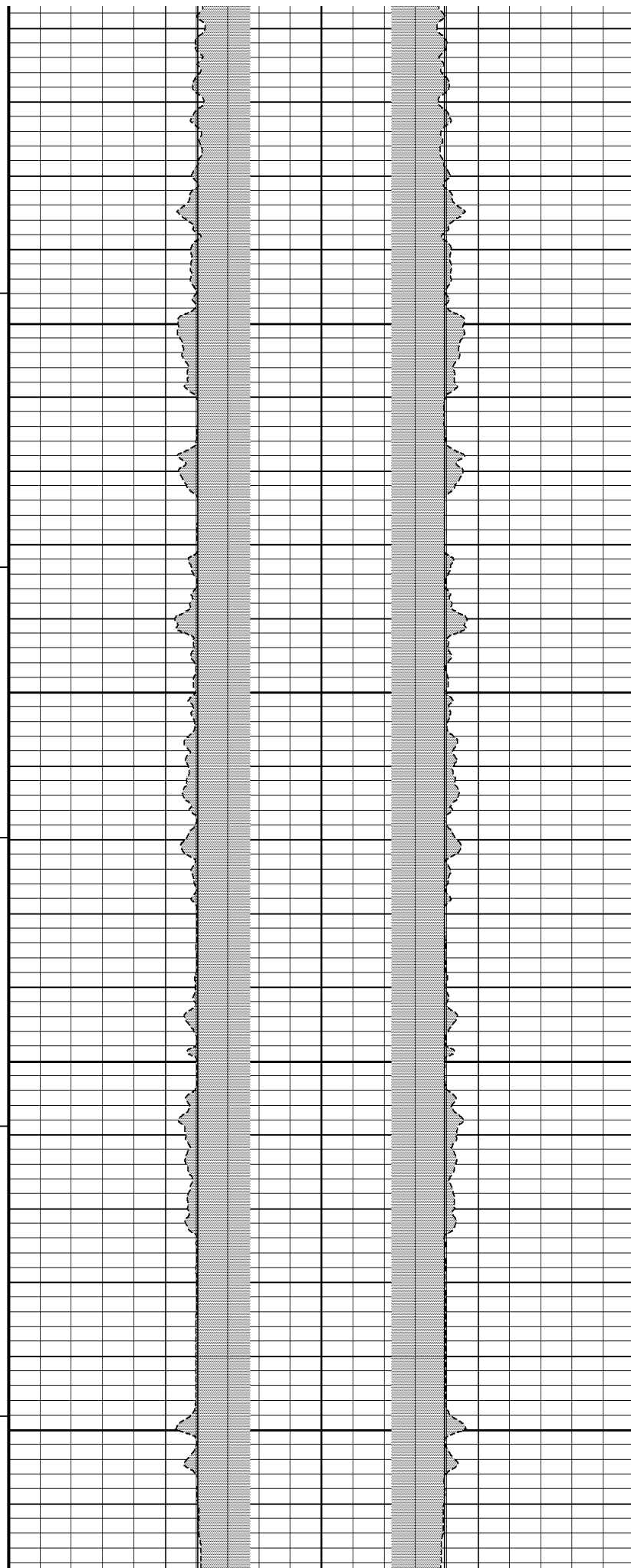
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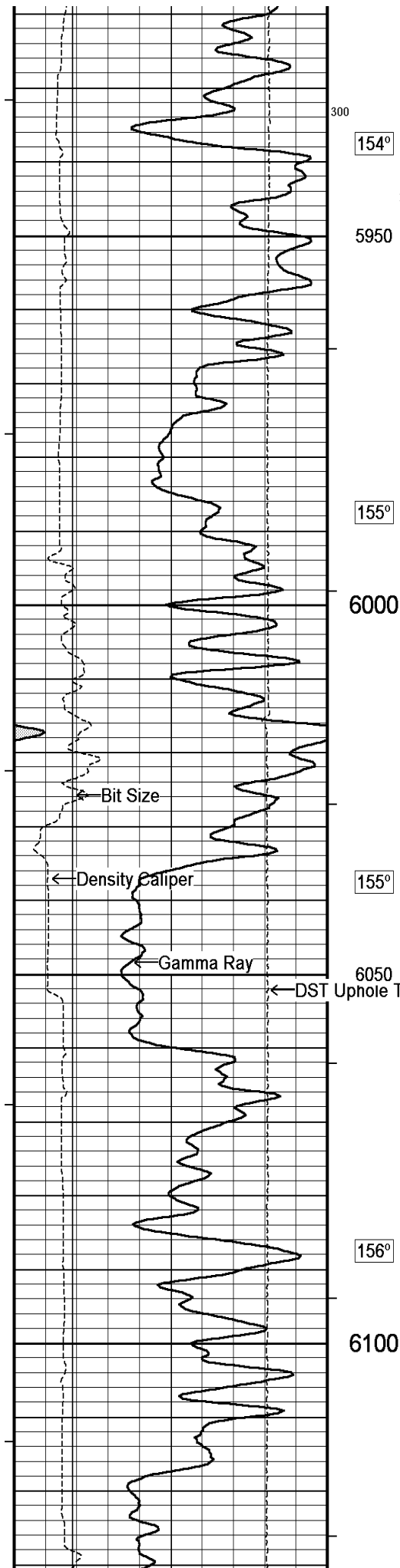
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5850

154°

5900





154°

5950

155°

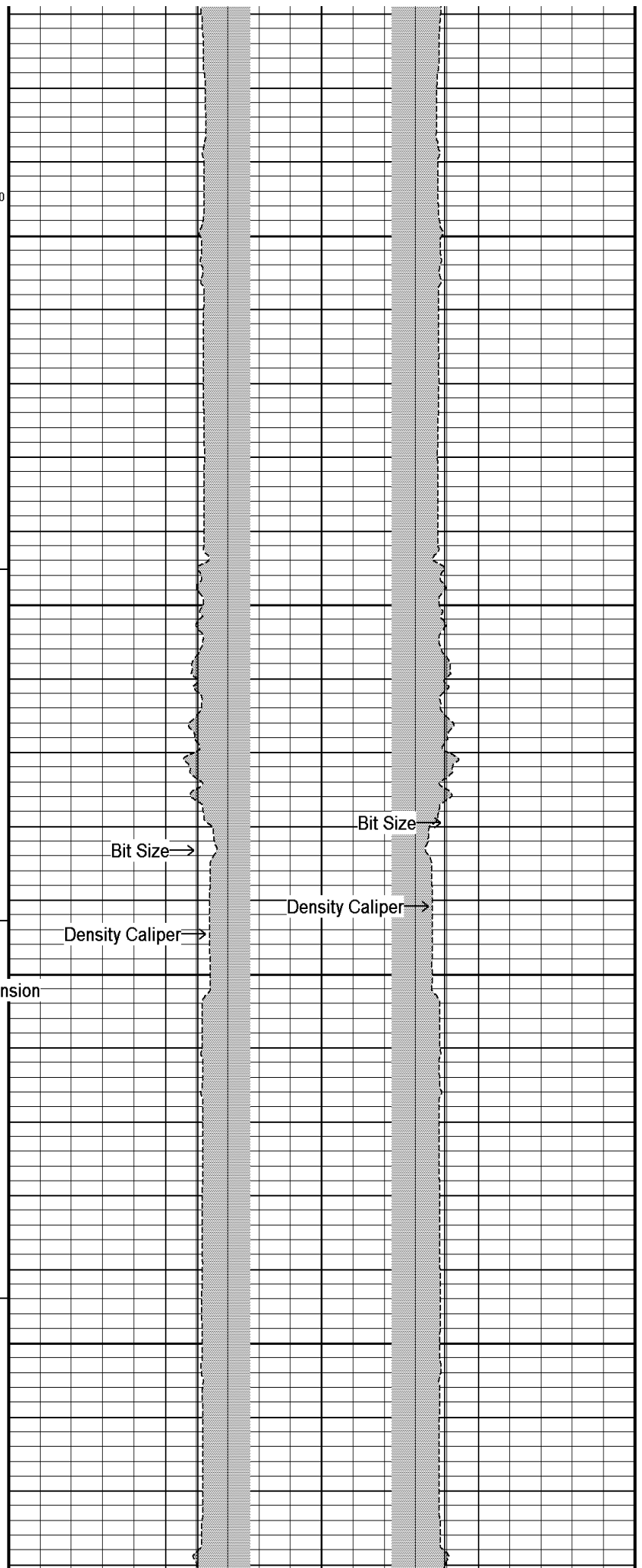
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155°

6050

156°

6100

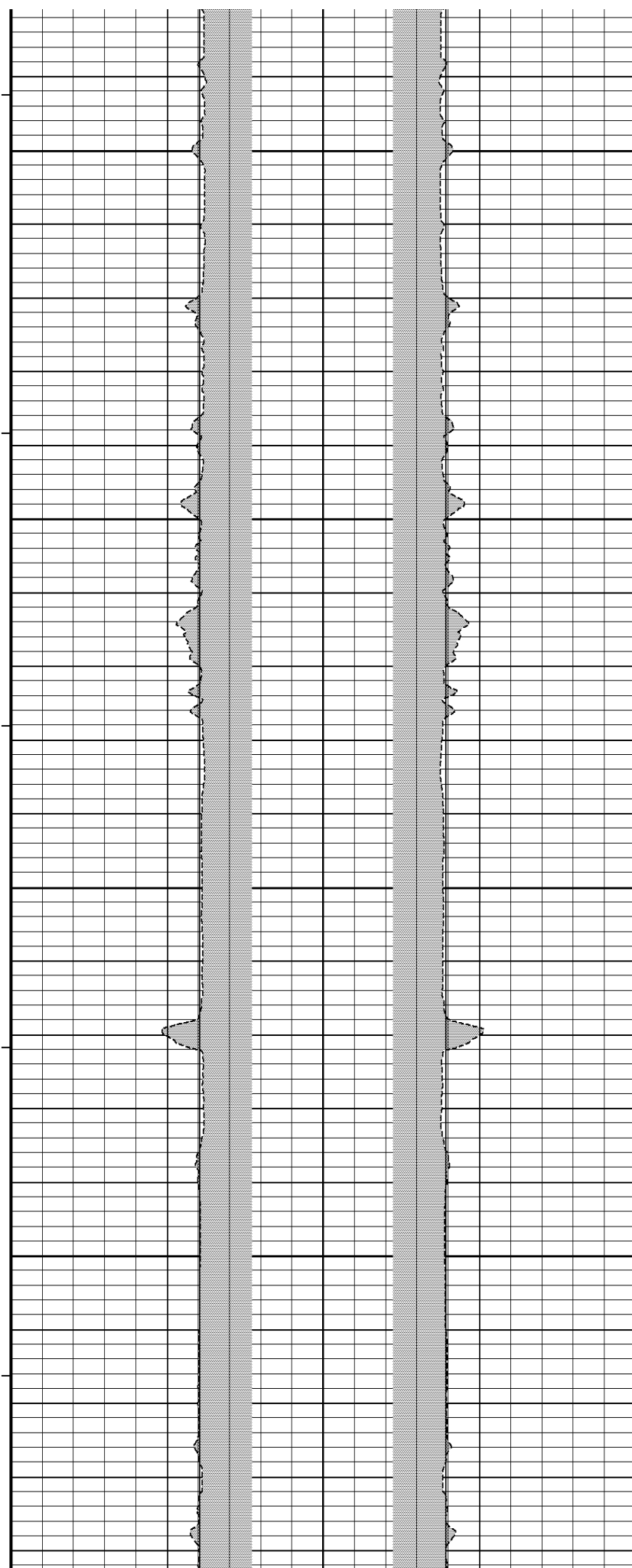
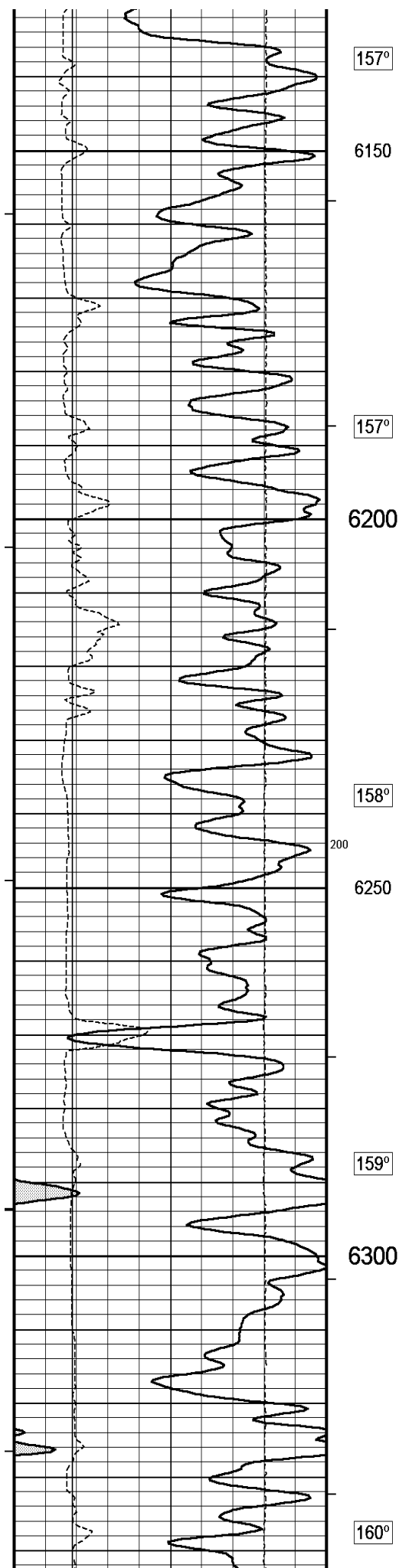


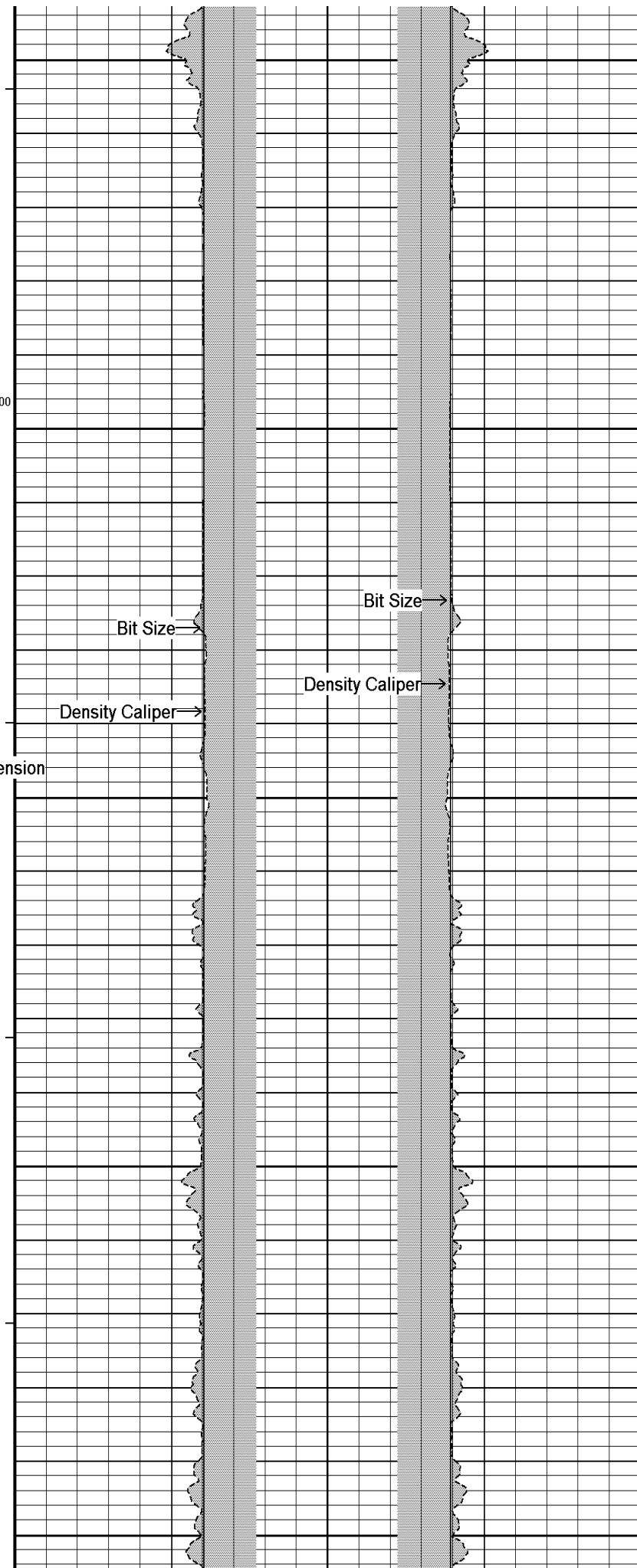
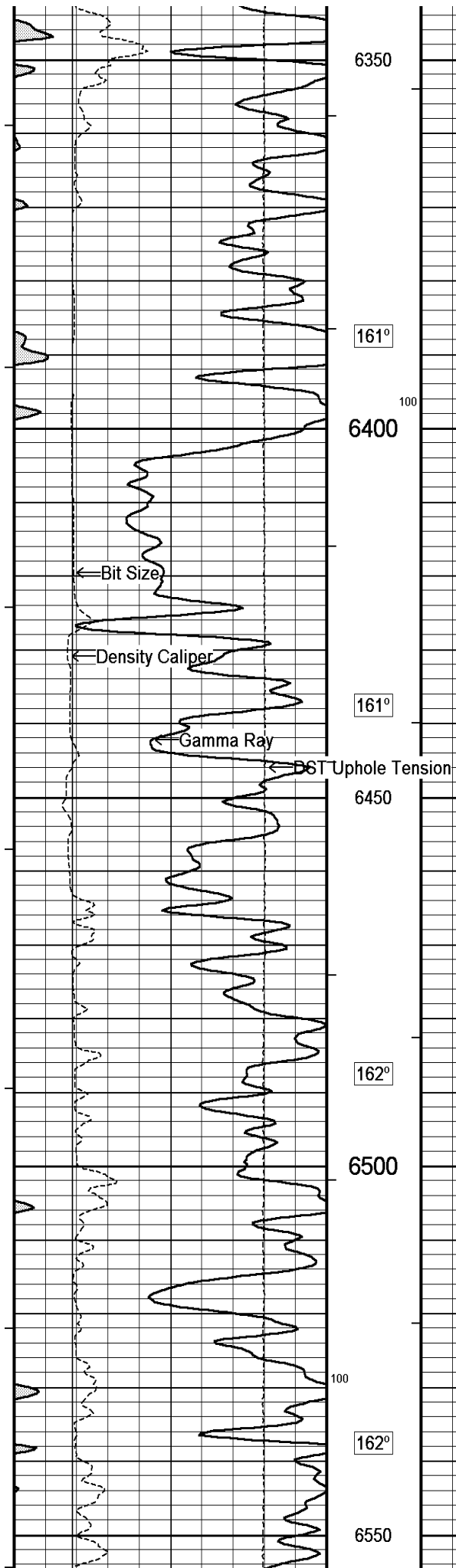
Bit Size

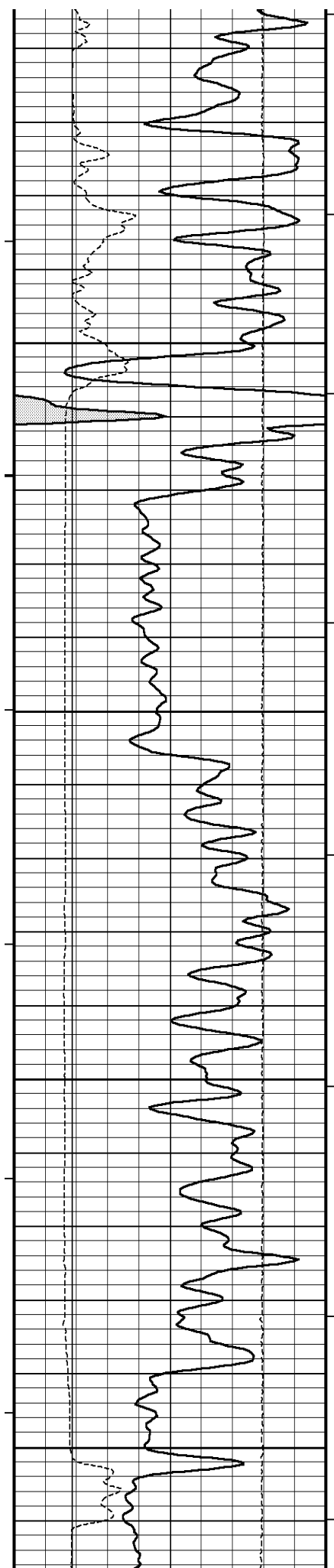
Density Caliper

Bit Size

Density Caliper







163°

6600

164°

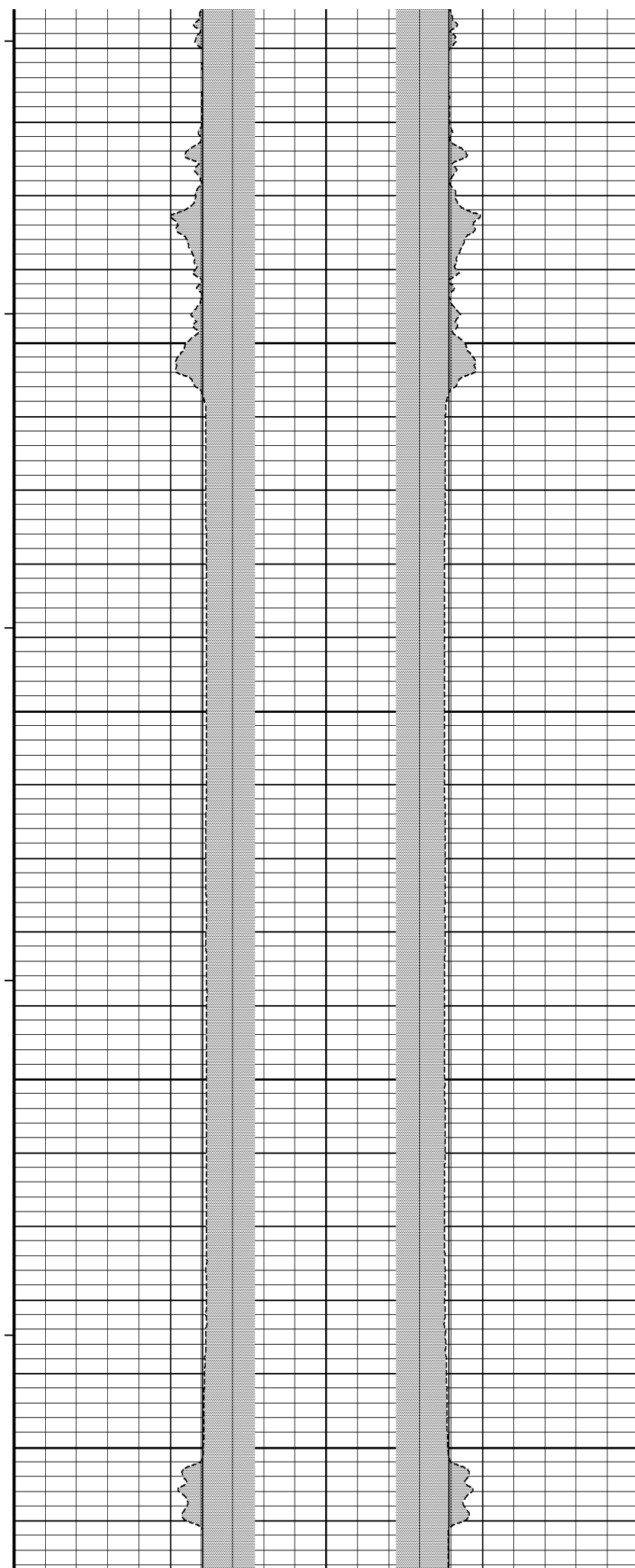
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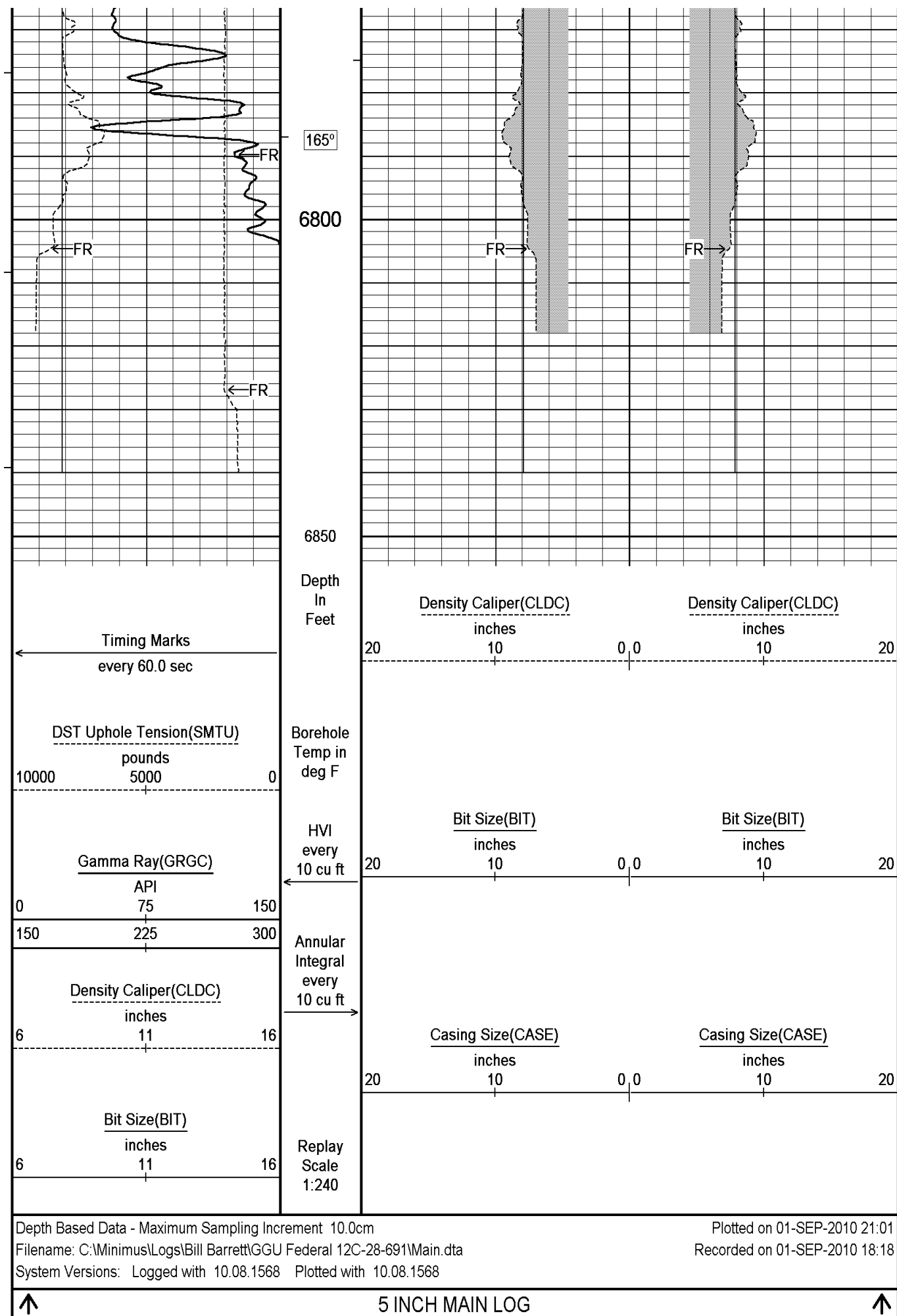
165°

6700

165°

6750





DOWNHOLE EQUIPMENT

C:\Minimus\Logs\Bill Barrett\GGU Federal 12C-28-691\Main.dta

3/8" Triple Cone Cable Head (MCB C A)

MCB 5 Length: 1.58 ft Weight: 15.4 lb

SHA-J.A Compact Swivel Head Adaptor

SHA 214 Length: 2.30 ft Weight: 22.0 lb

Compact Gamma

MCG 247 Length: 8.70 ft Weight: 63.9 lb

Compact Neutron

MDN 143 Length: 5.04 ft Weight: 50.7 lb

Compact Density/Caliper

MPD 296 Length: 9.59 ft Weight: 90.4 lb

SKJ-D.A Compact Knuckle Joint

SKJ 172 Length: 2.17 ft Weight: 24.3 lb

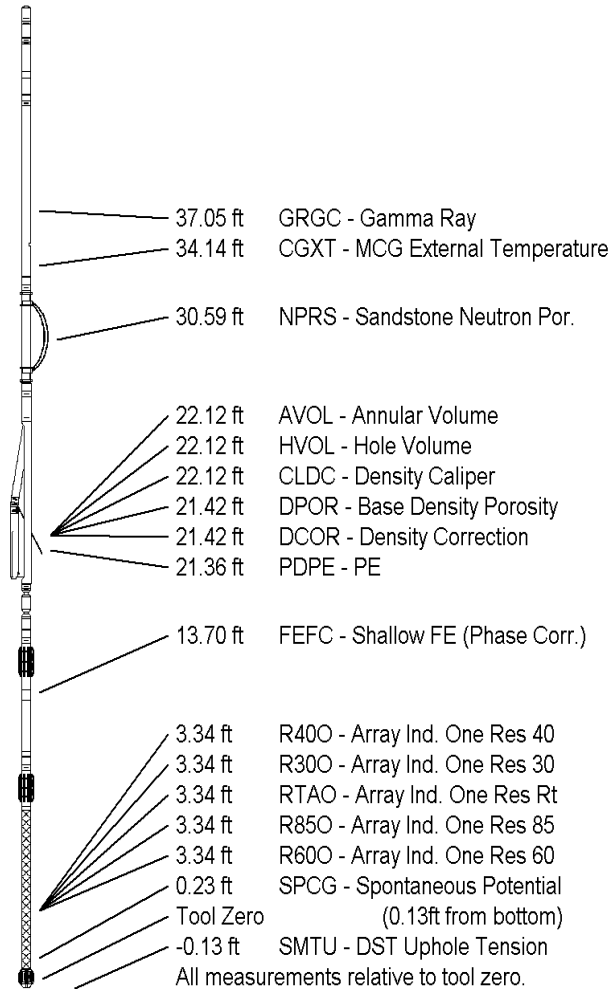
Compact Focussed Electric

MFE 178 Length: 6.03 ft Weight: 48.5 lb

Compact Induction

MAI 213 Length: 10.81 ft Weight: 48.5 lb

Total Length: 46.21 ft Weight: 363.8 lb



COMPANY	BILL BARRETT CORPORATION
WELL	GGU FEDERAL 12C-28-691
FIELD	GIBSON GULCH
PROVINCE/COUNTY	GARFIELD
COUNTRY/STATE	U.S.A. / COLORADO

Elevation Kelly Bushing	6354.00	feet	First Reading	6805.00	
Elevation Drill Floor	6353.00	feet	Depth Driller	7770.00	feet
Elevation Ground Level	6332.00	feet	Depth Logger	6827.00	feet



Weatherford®

HOLE VOLUME

CALIPER LOG