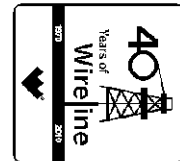




Weatherford[®]

**HOLE VOLUME
CALIPER LOG**

COMPANY BILL BARRETT CORPORATION
WELL CB TG LAND 12D-20-692
FIELD MAMM CREEK
PROVINCE/COUNTY GARFIELD
COUNTRY/STATE U.S.A. / COLORADO
LOCATION SHL: 720' FNL & 2555' FEL
BHL: 1401' FNL & 660' FWL



SEC	TWP	RGE	Other Services
20	6S	92W	MPD/MDN MA/MFE
API Number	05-045-19754		
Permit Number			
Permanent Datum G.L., Elevation 5530 feet			
Log Measured From K.B. @ 23 FEET above Permanent Datum			
Drilling Measured From K.B.			
Date	23-MAY-2011		

Elevations:	feet
KB	5553.00
DF	5553.00
GL	5530.00

Run Number	ONE	
Depth Driller	8118.00	feet
Depth Logger	8115.00	feet
First Reading	8092.00	
Last Reading	857.00	
Casing Driller	860.00	feet
Casing Logger	857.00	feet
Bit Size	7.875	inches
Hole Fluid Type	LSND	
Density / Viscosity	10.25 lb/USg	58.00 CP
PH / Fluid Loss	9.80	6.40 ml/30Min
Sample Source	FLOW LINE	
Rm @ Measured Temp	2.40 @ 91.0	ohm-m
Rmf @ Measured Temp	1.92 @ 91.0	ohm-m
Rmc @ Measured Temp	2.88 @ 91.0	ohm-m
Source Rmf / Rmc	CALC	CALC
Rm @ BHT	1.11 @201.0	ohm-m
Time Since Circulation	5 HOURS	
Max Recorded Temp	201.00	deg F
Equipment Name	COMPACT	
Equipment / Base	13173	GD JCT
Recorded By	M.RICHINS	
Witnessed By	CURTIS C.	

BOREHOLE RECORD

Last Edited: 23-MAY-2011 07:49

Bit Size inches	Depth From feet	Depth To feet
8.750	860.00	4963.00
7.880	4963.00	8118.00

CASING RECORD

Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE	9.625	0.00	860.00	36.00

REMARKS

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

HARDWARE: MPD: 8 INCH PROFILE PLATE USED.
TWO 0.5 INCH STANDOFFS USED ON INDUCTION.
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.

CALIPER CHECK IN CASING PRESENTED, REFERENCE I.D. = 8.94" (9 5/8", 36 LB/FT CASING).

TIGHT SPOT ENCOUNTERED AT 2955, 5460, AND 7425 FEET.

8.75 INCH BIT CHANGE AT 4895 FT

0.75 INCH BIT CHANCE RT 4335 FT.

TOTAL HOLE VOLUME FROM TD TO SURFACE CASING = 2820 CU.FT.

ANNULAR VOLUME WITH 4.5 INCH PRODUCTION CASING = 2020 CU.FT.

ENGINEER(S): M.RICHINS, O. GOYZUETA(JFE)

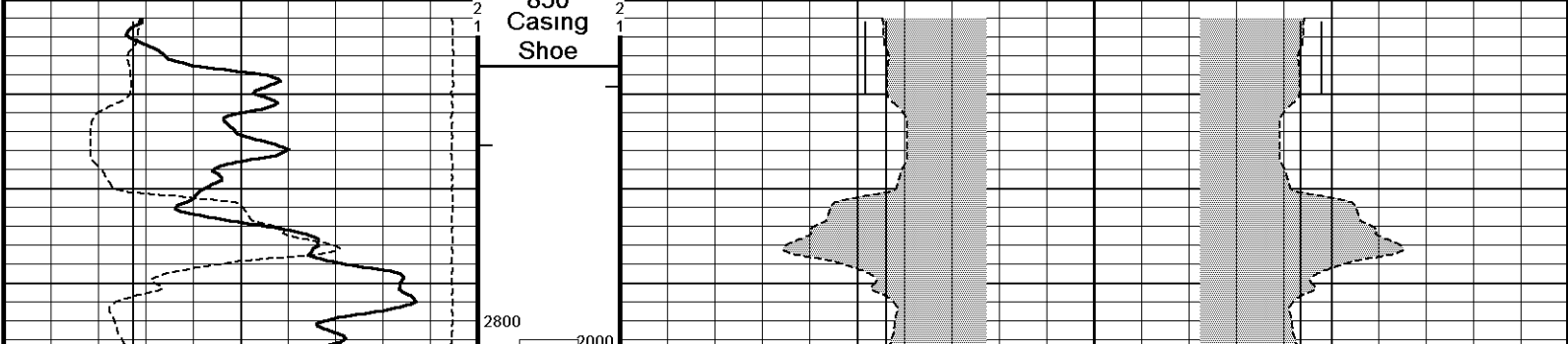
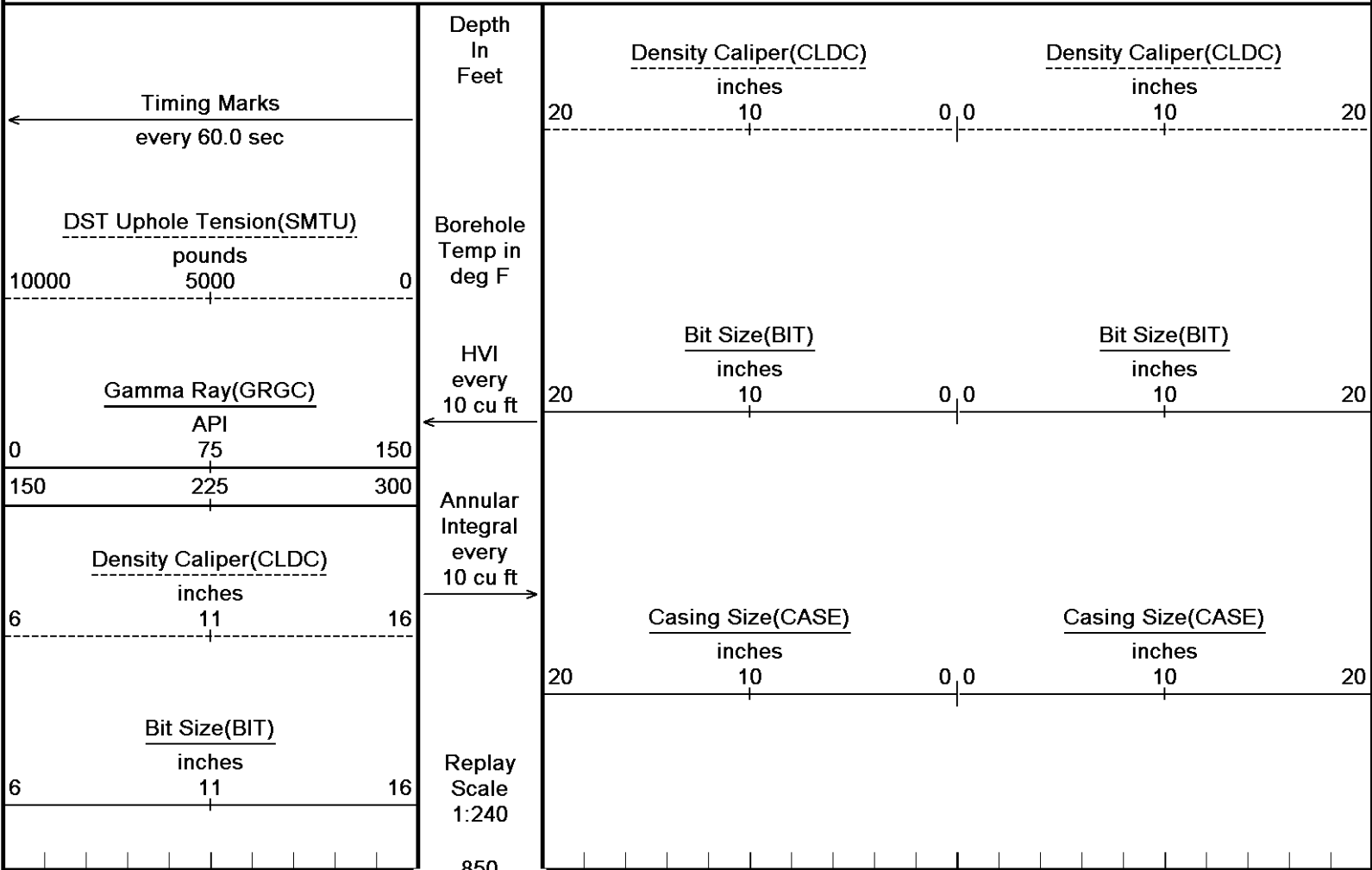
OPERATOR(S): C. STAAKE, J. PHEARSON

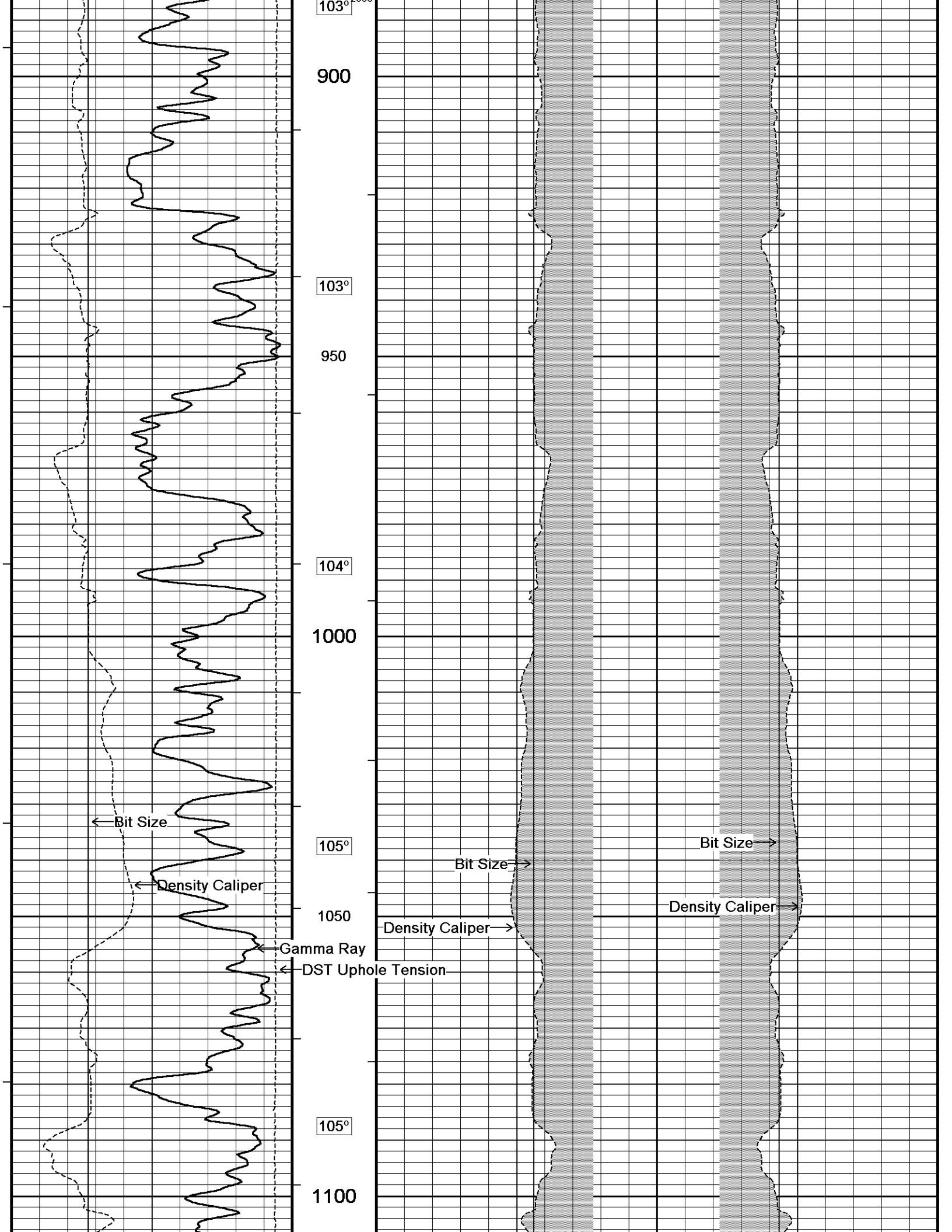
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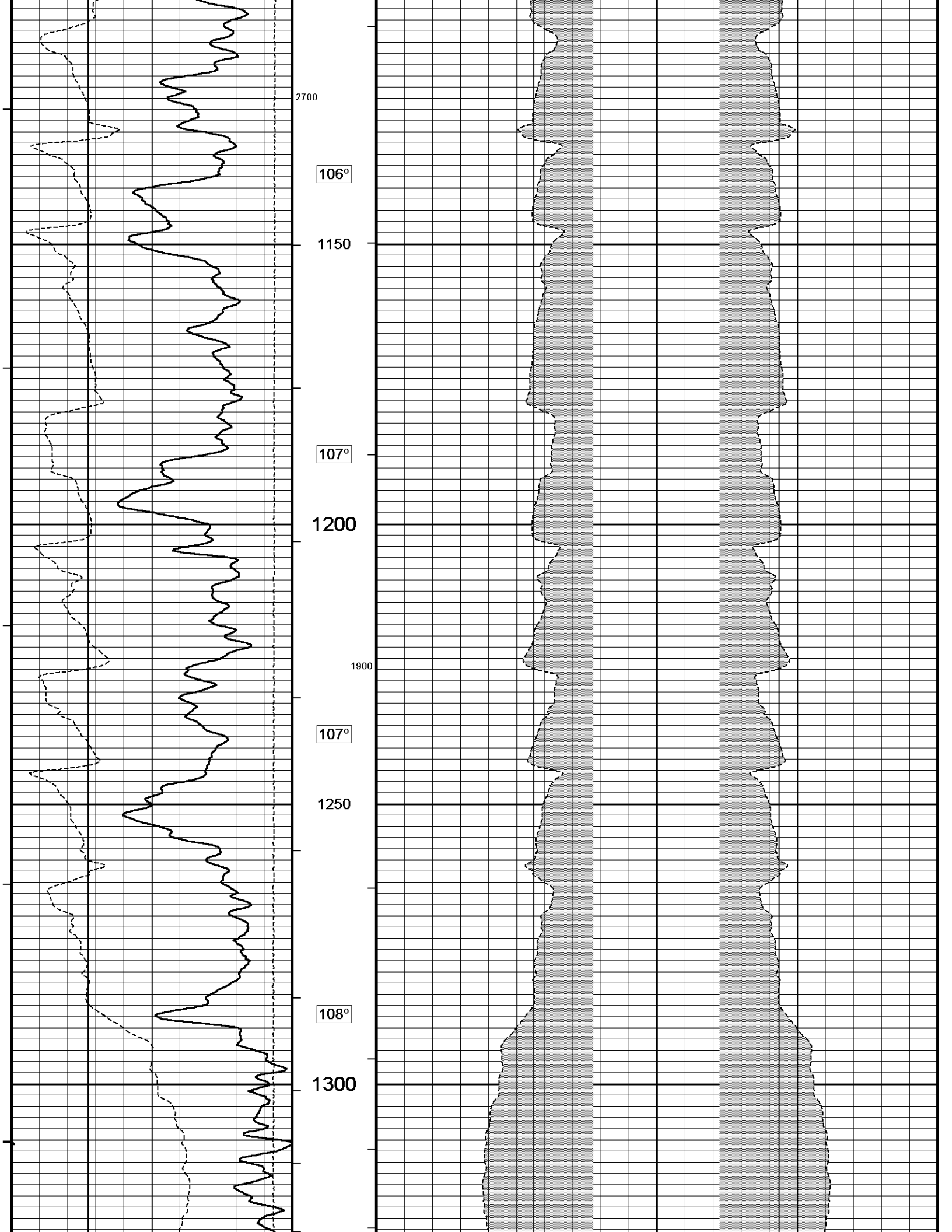
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs,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

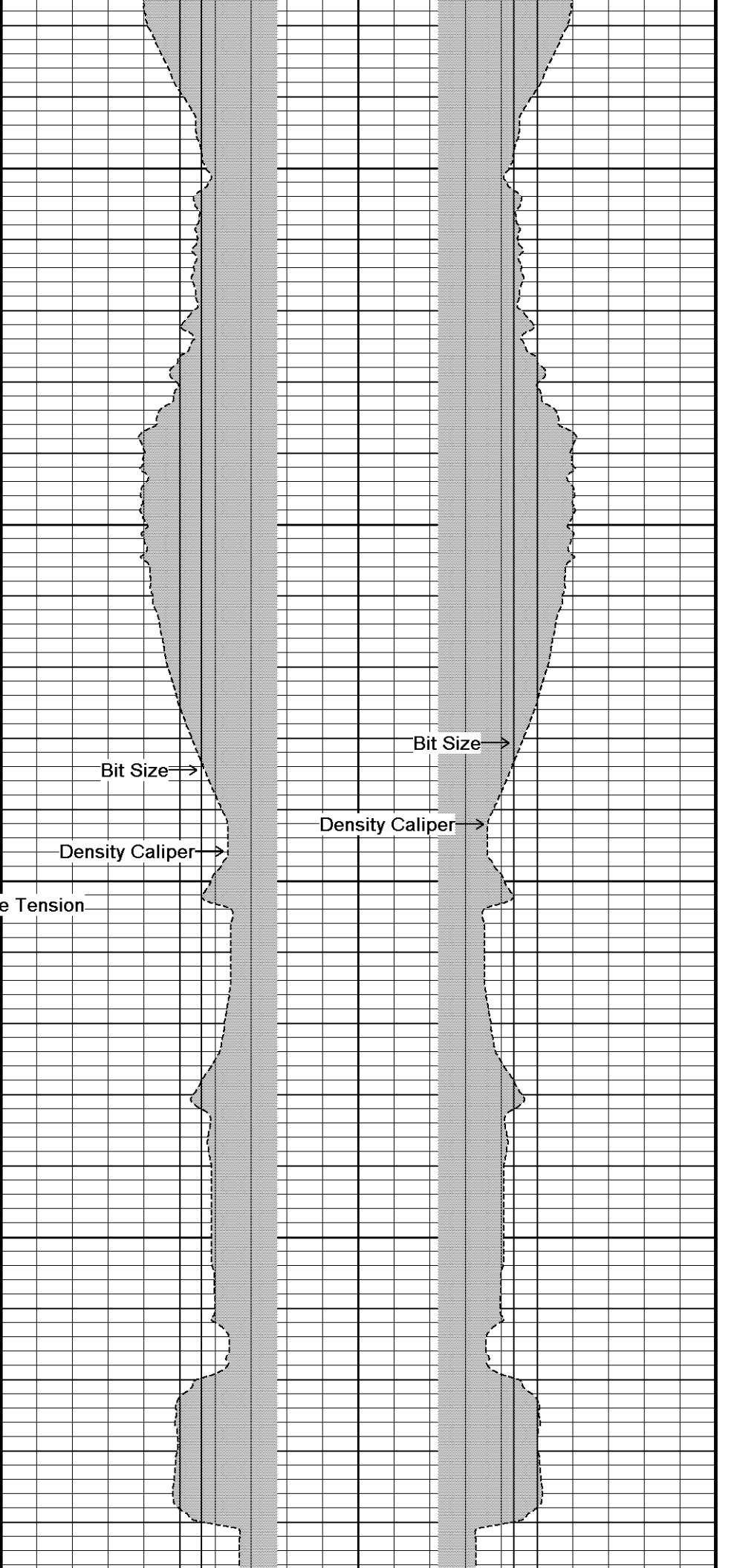
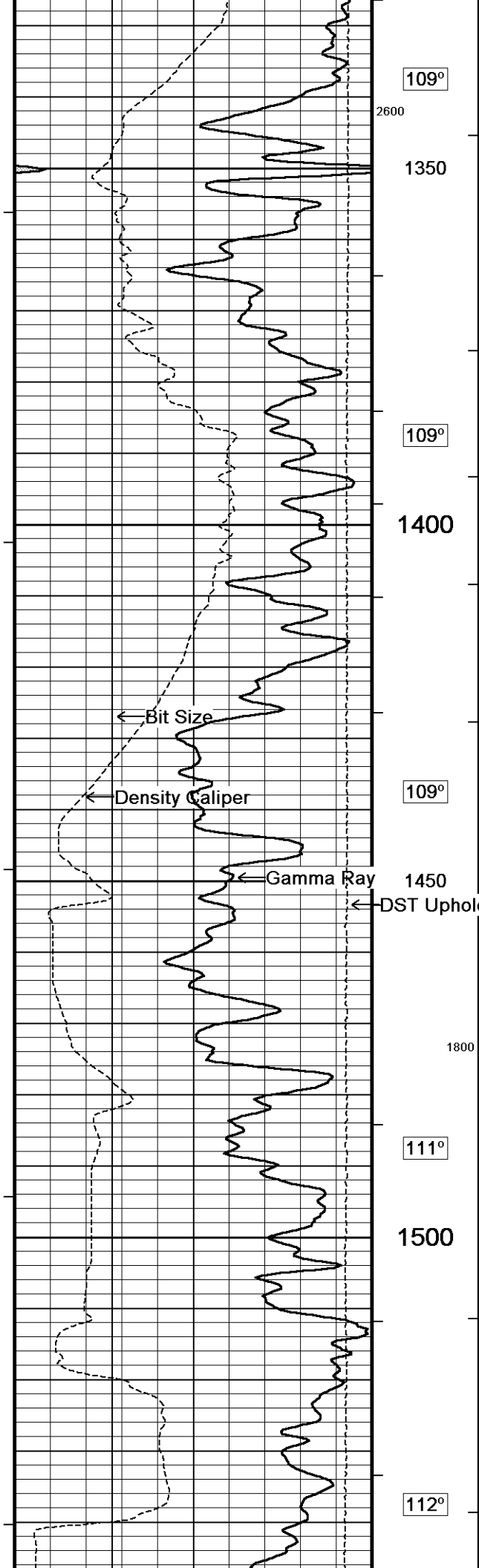
5 INCH MAIN LOG

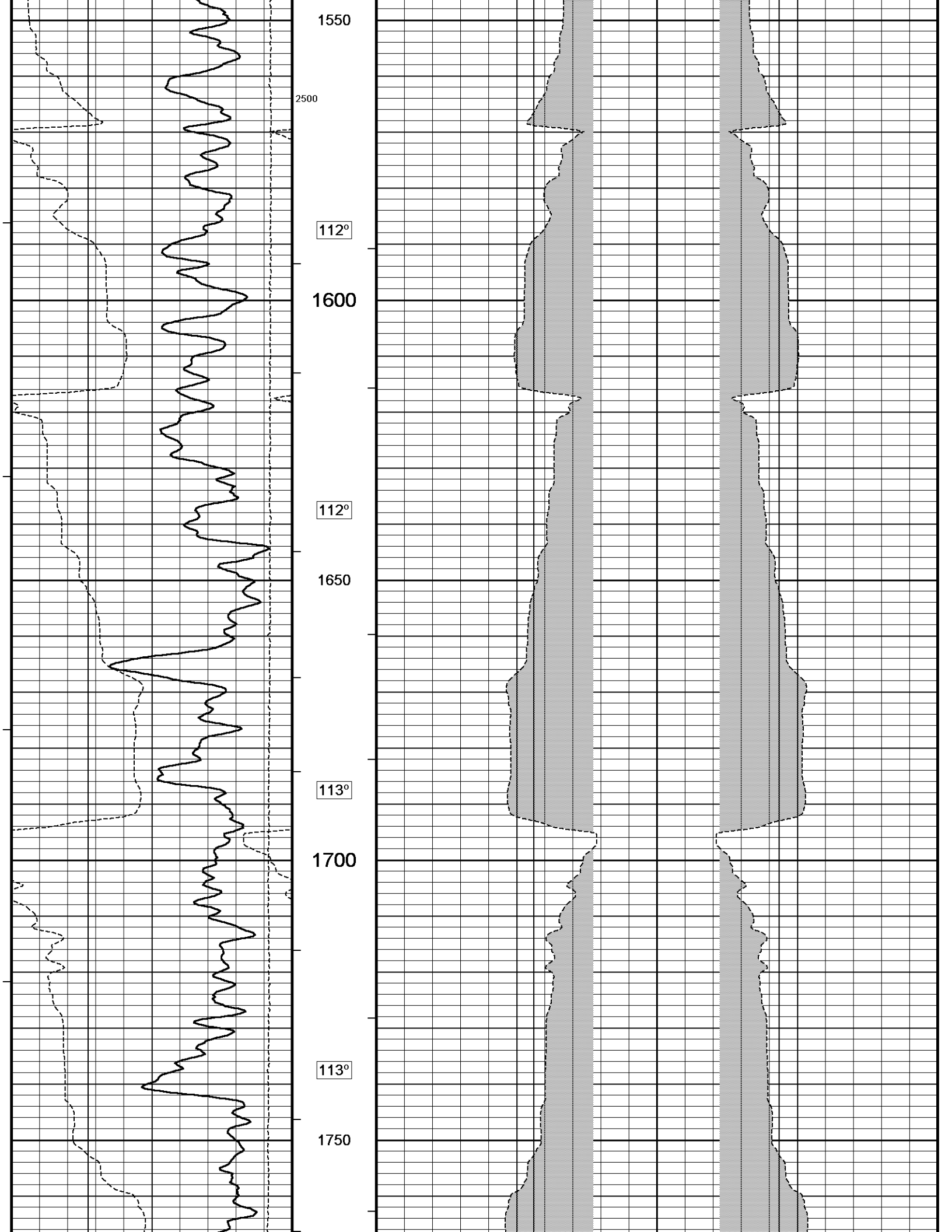
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Recorded on 23-MAY-2011 05:10

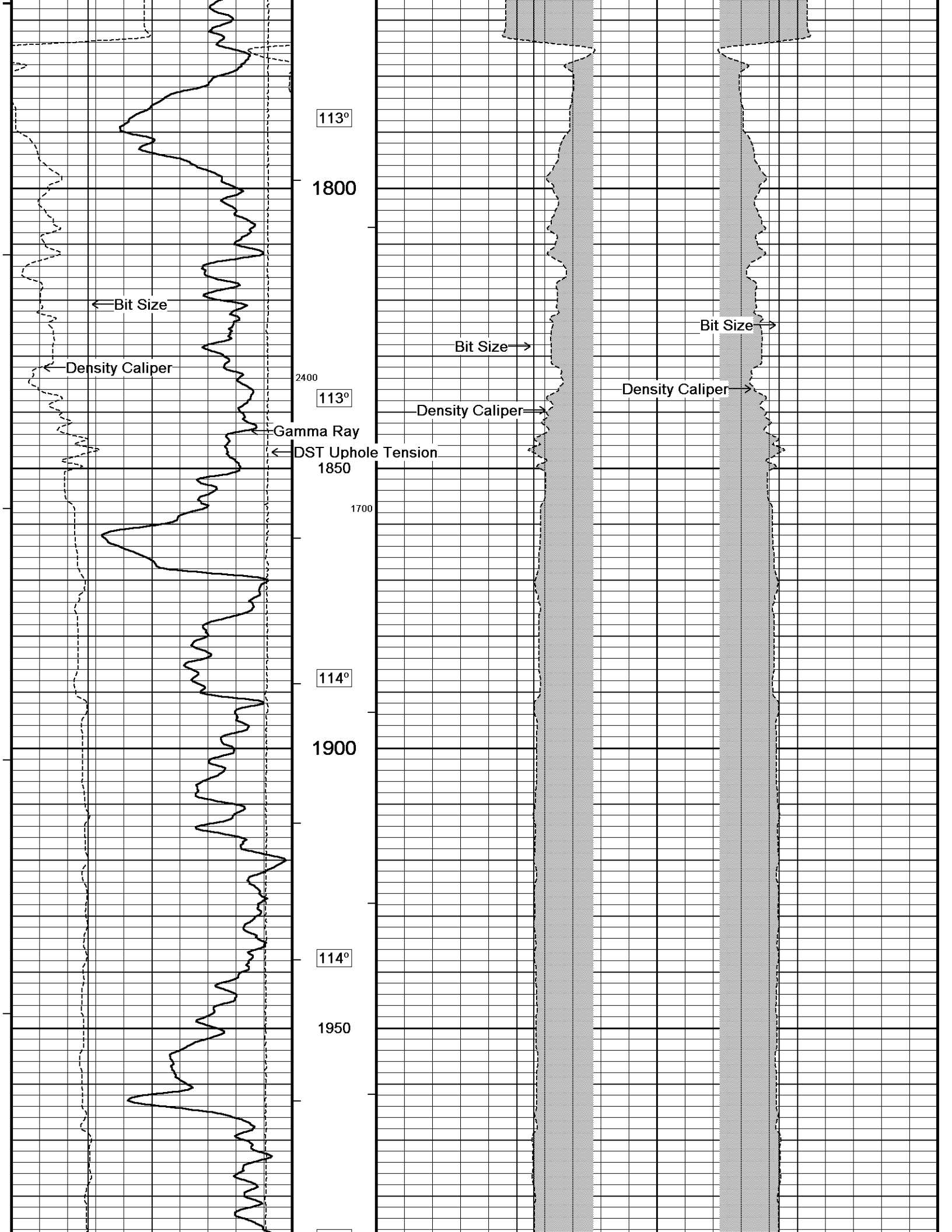


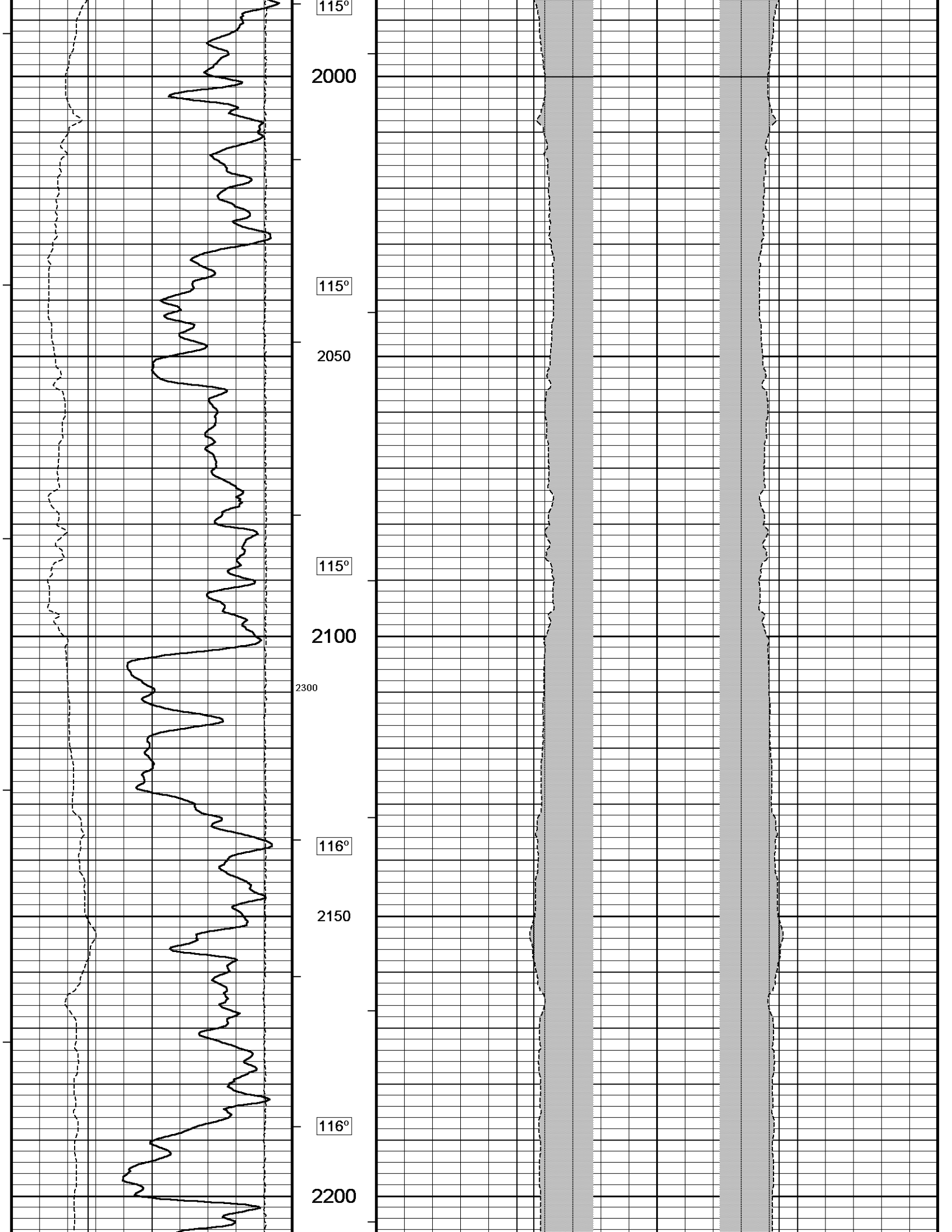


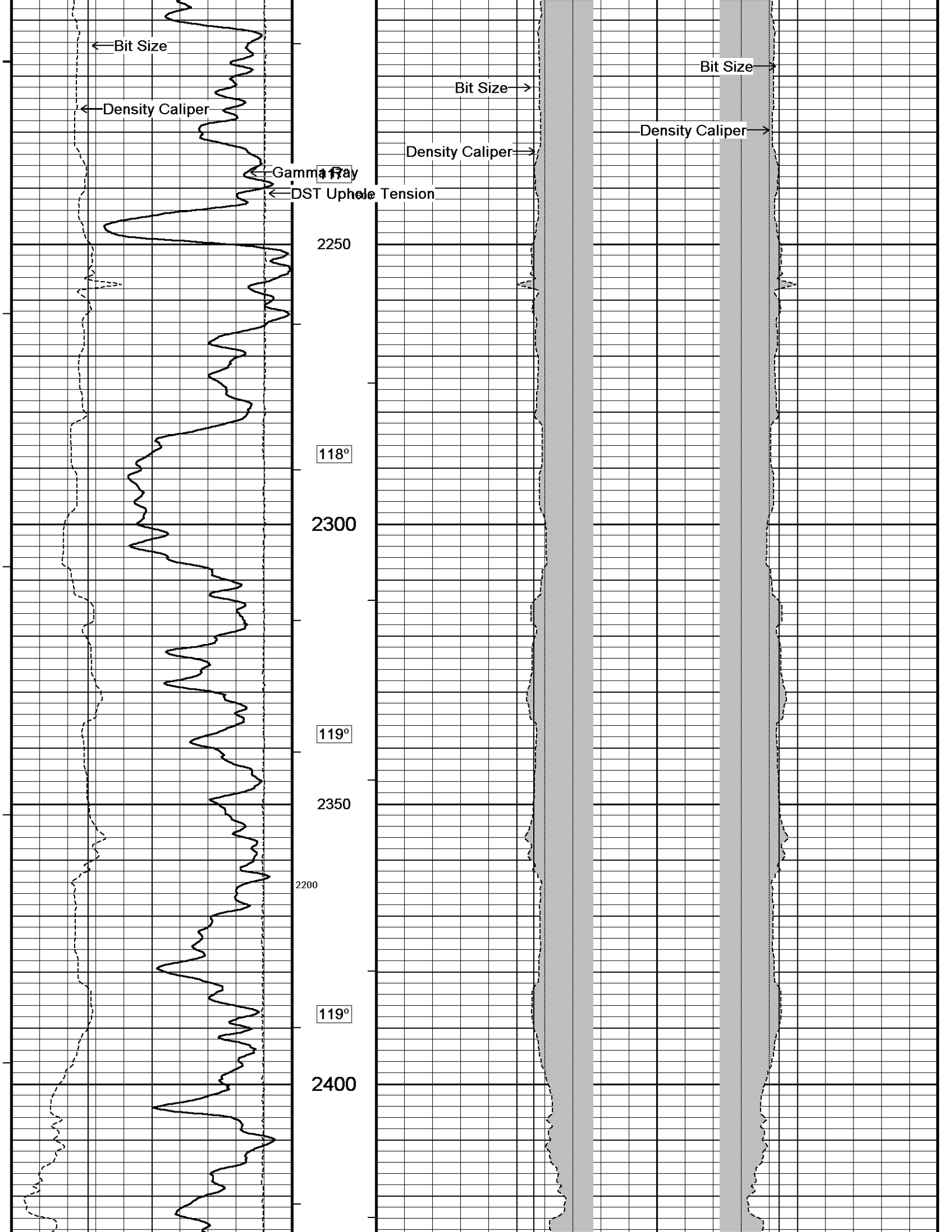


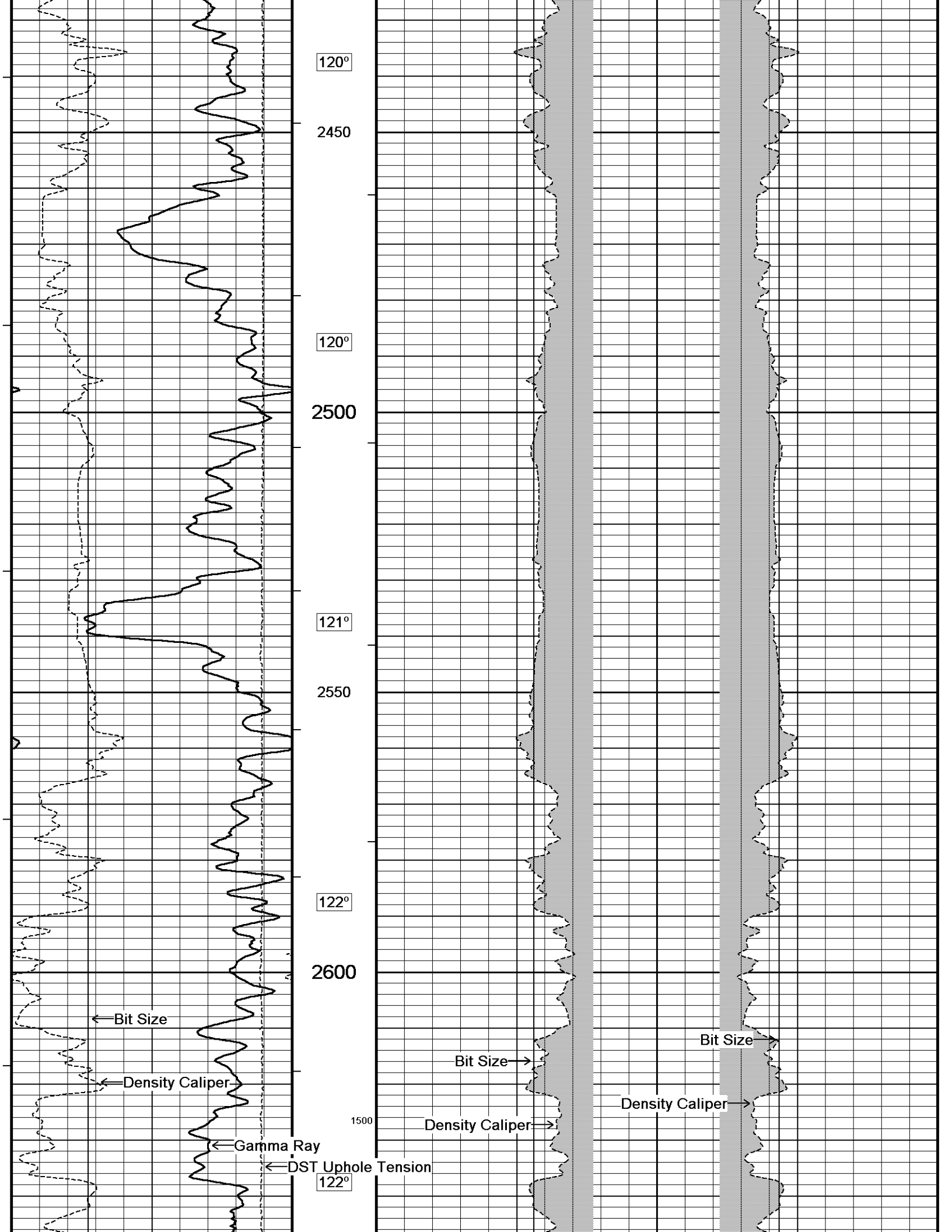


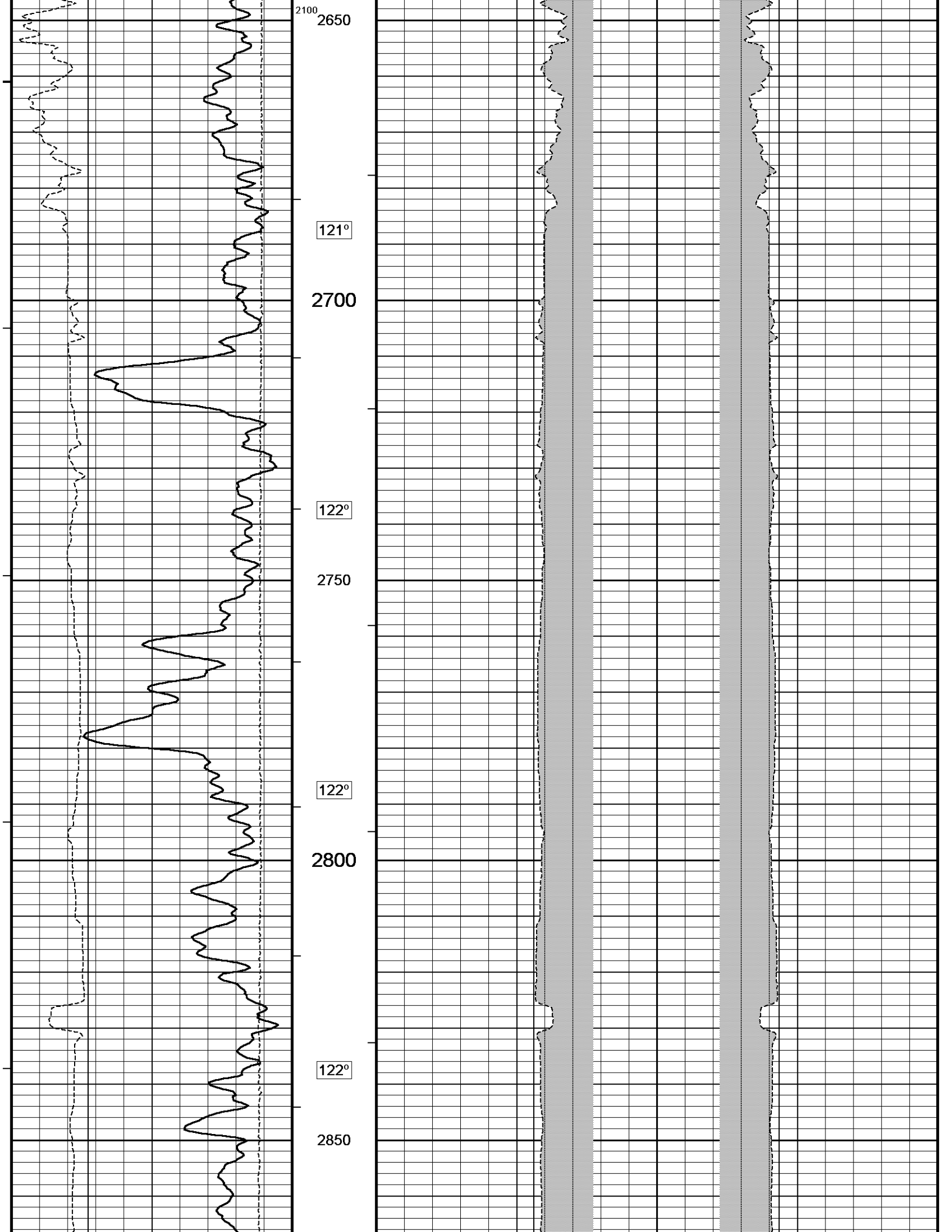












2100

2650

121°

2700

122°

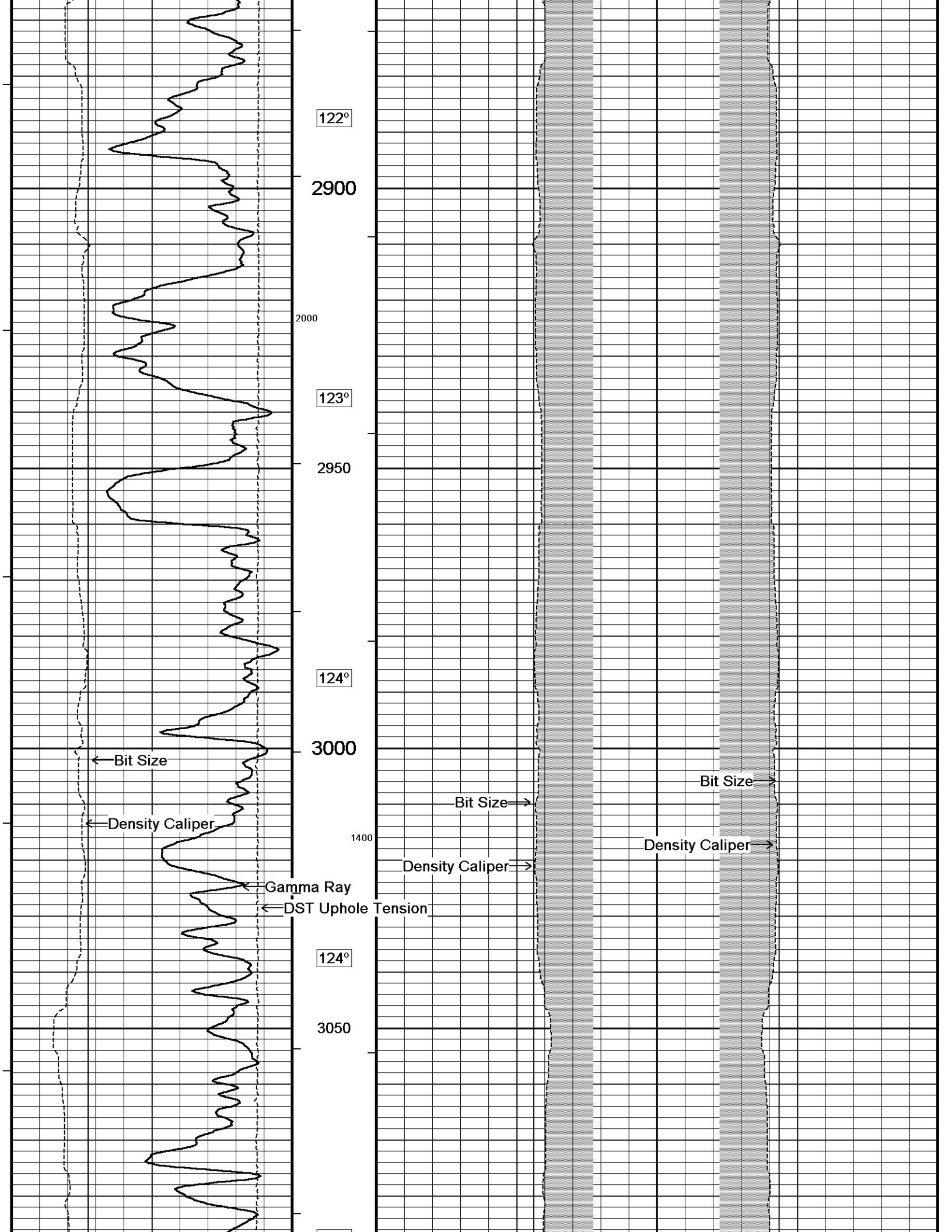
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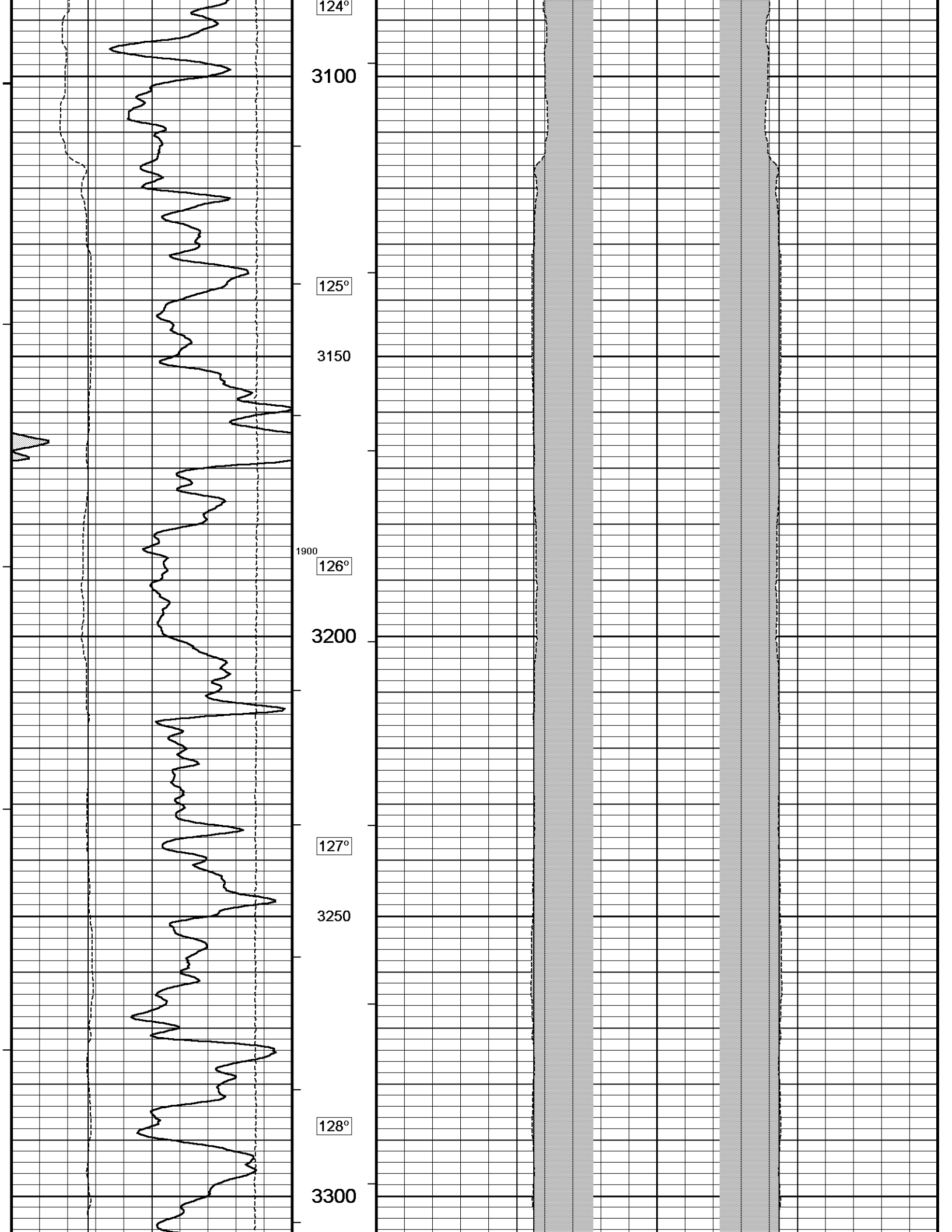
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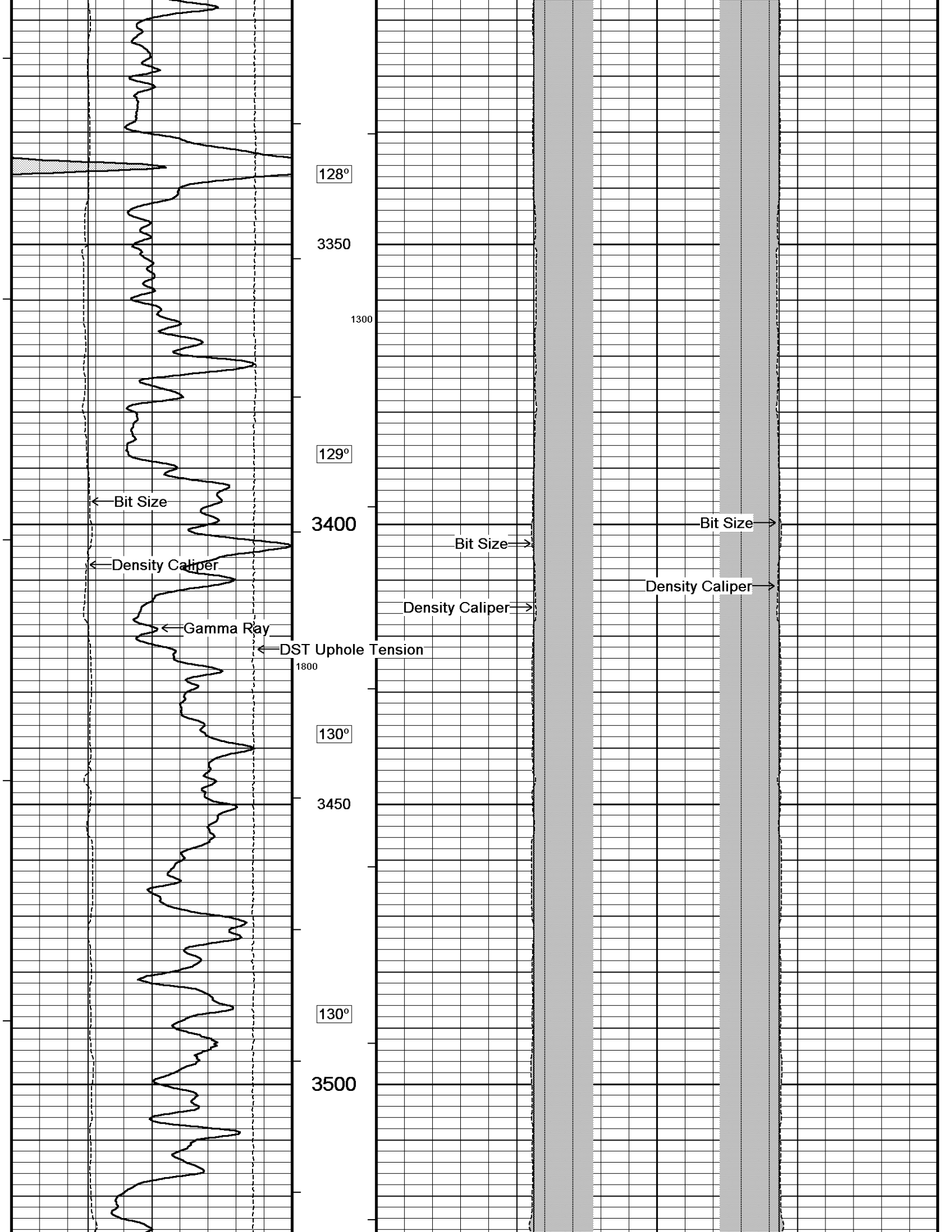
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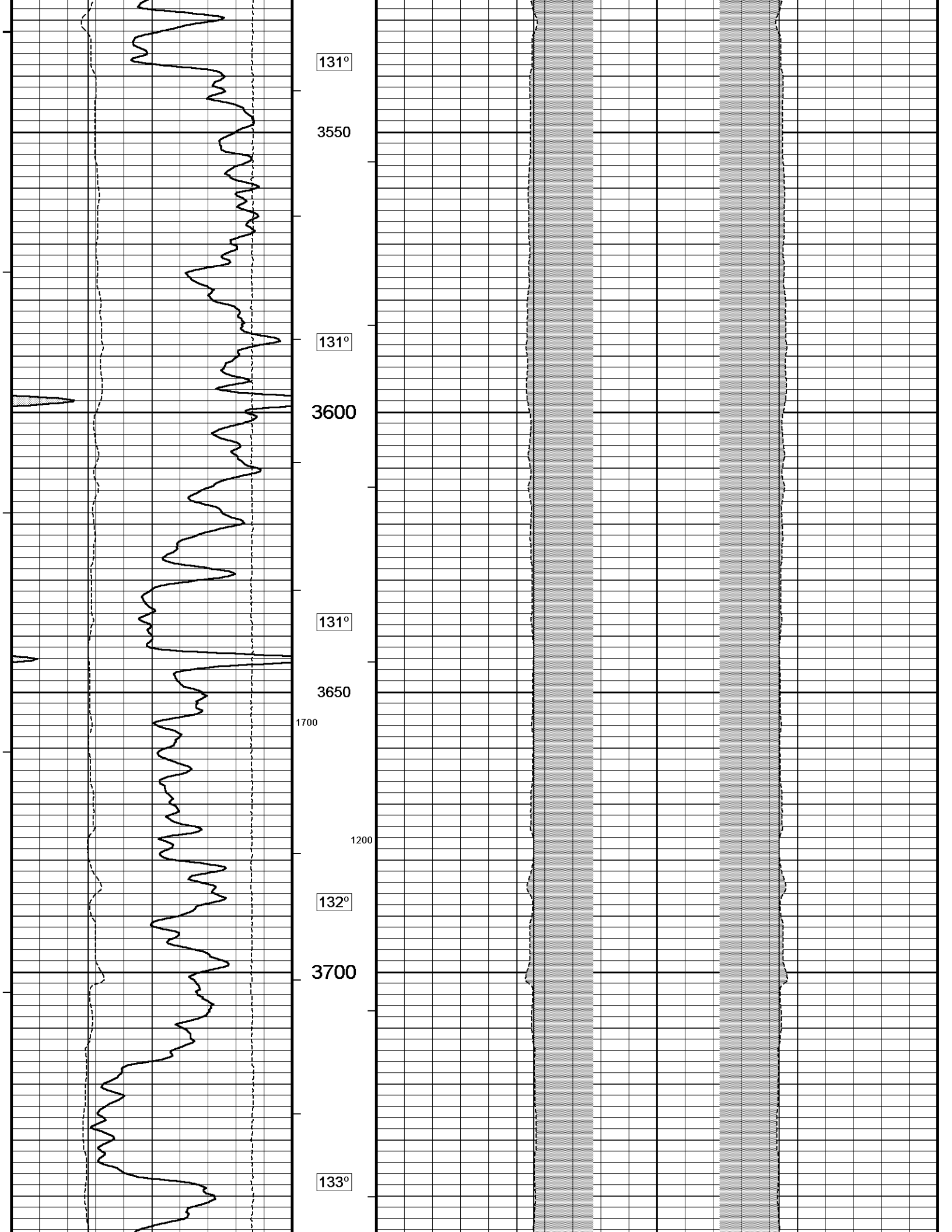
122°

2850









131°

3550

131°

3600

131°

3650

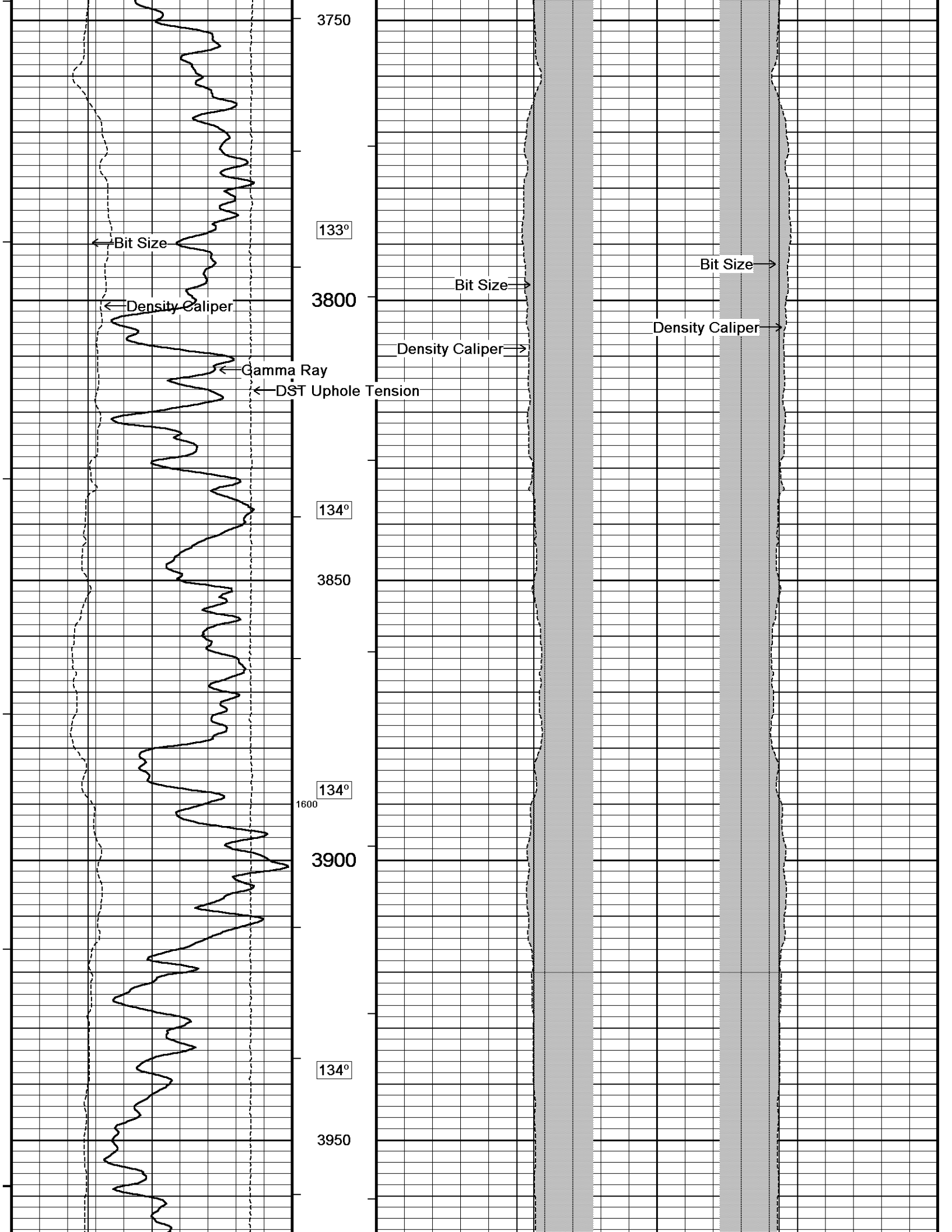
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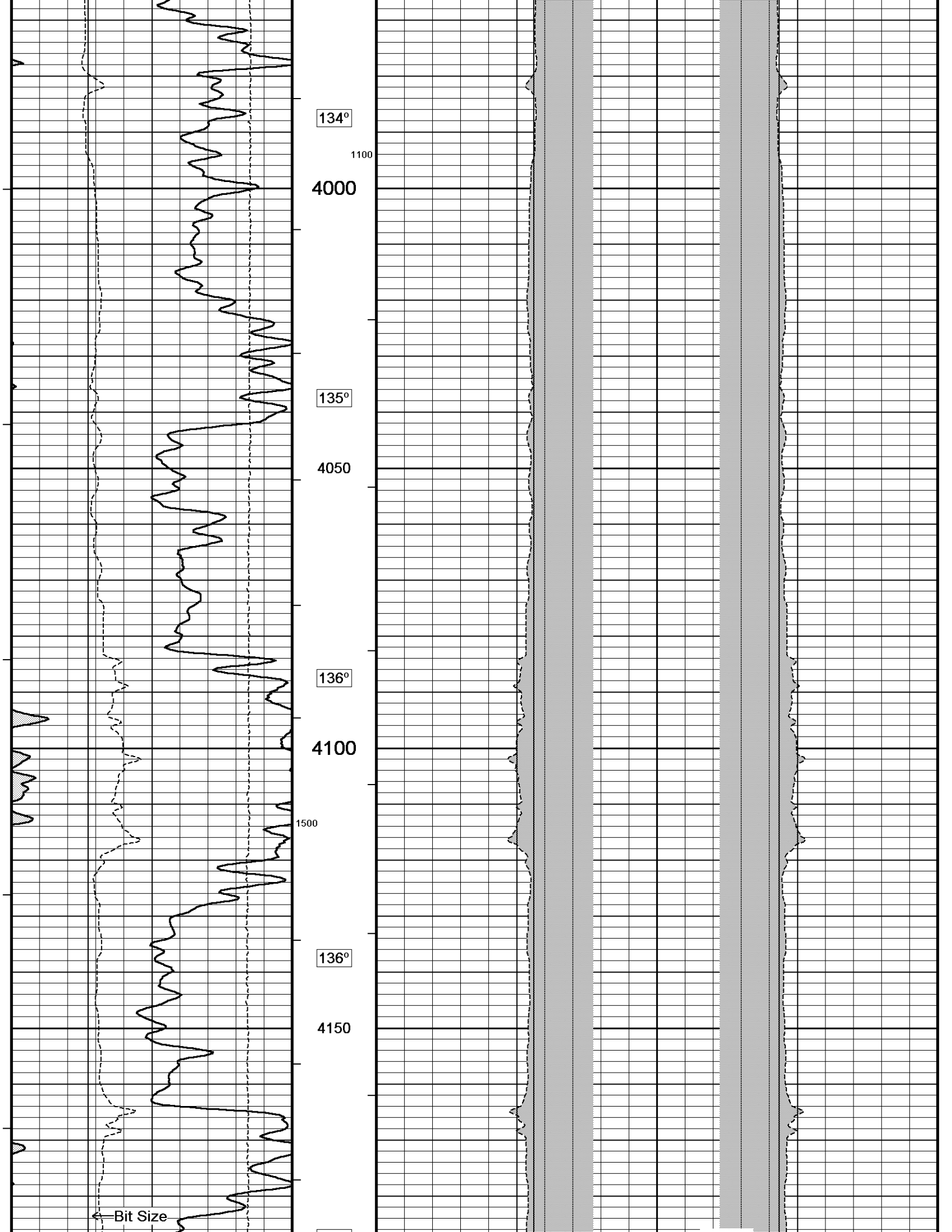
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132°

3700

133°





134°

1100

4000

135°

4050

136°

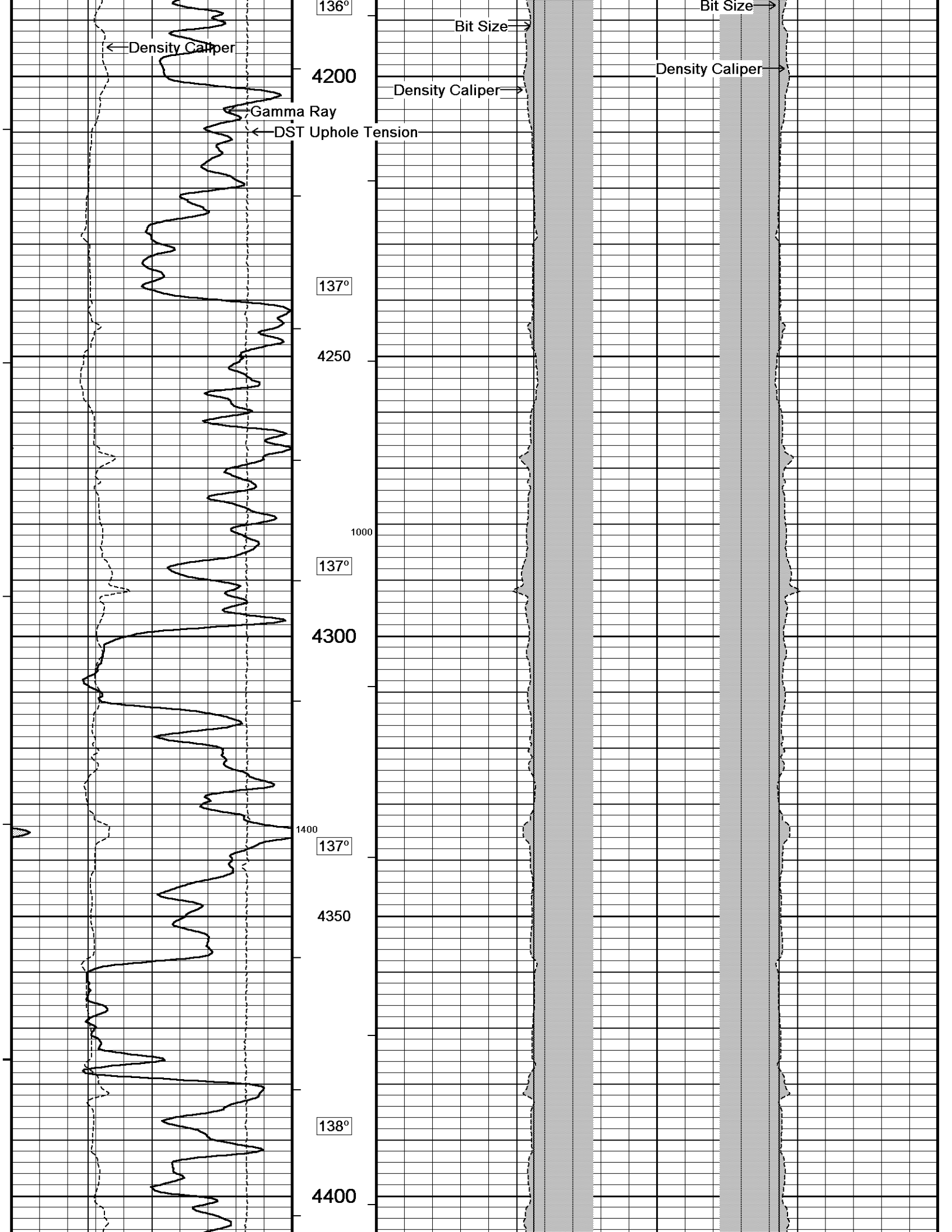
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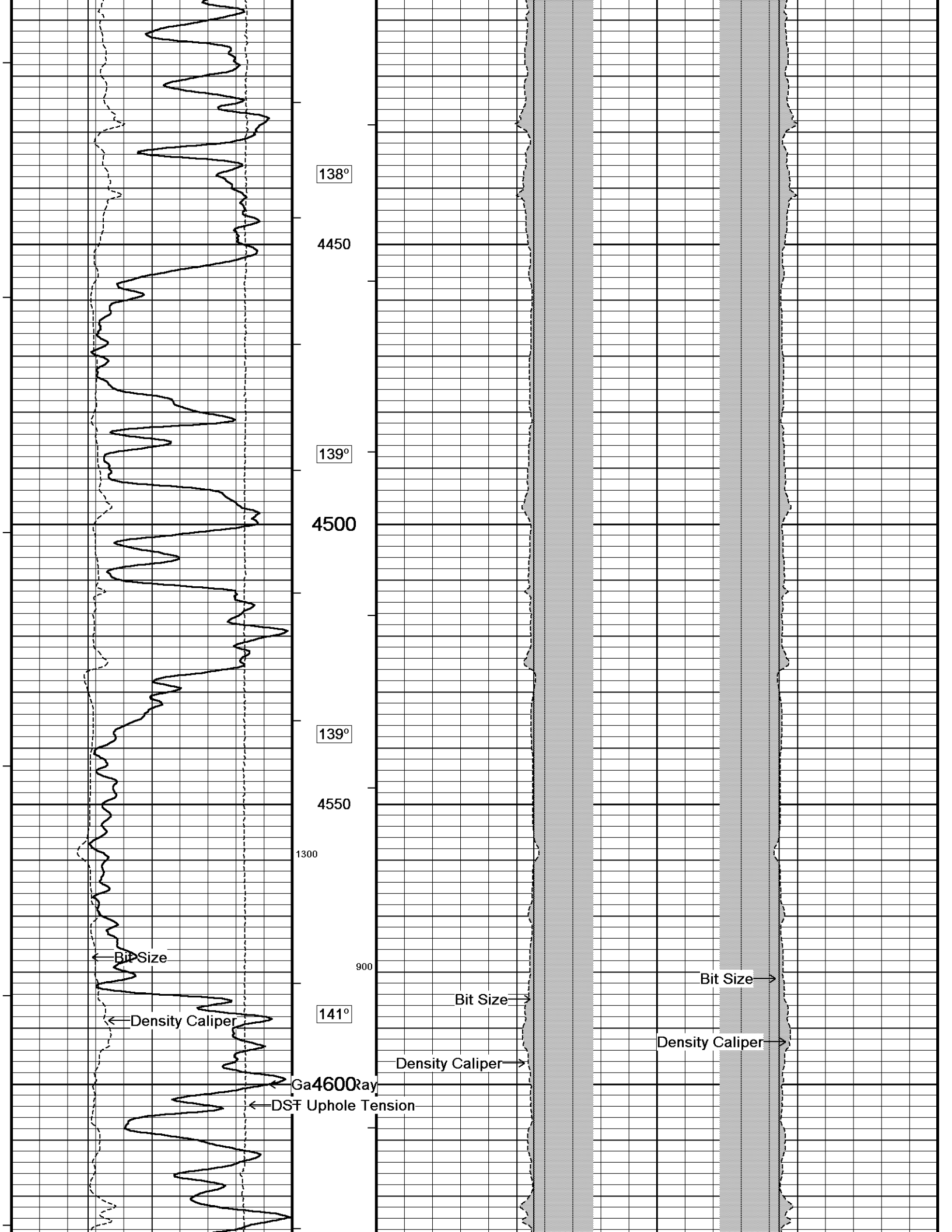
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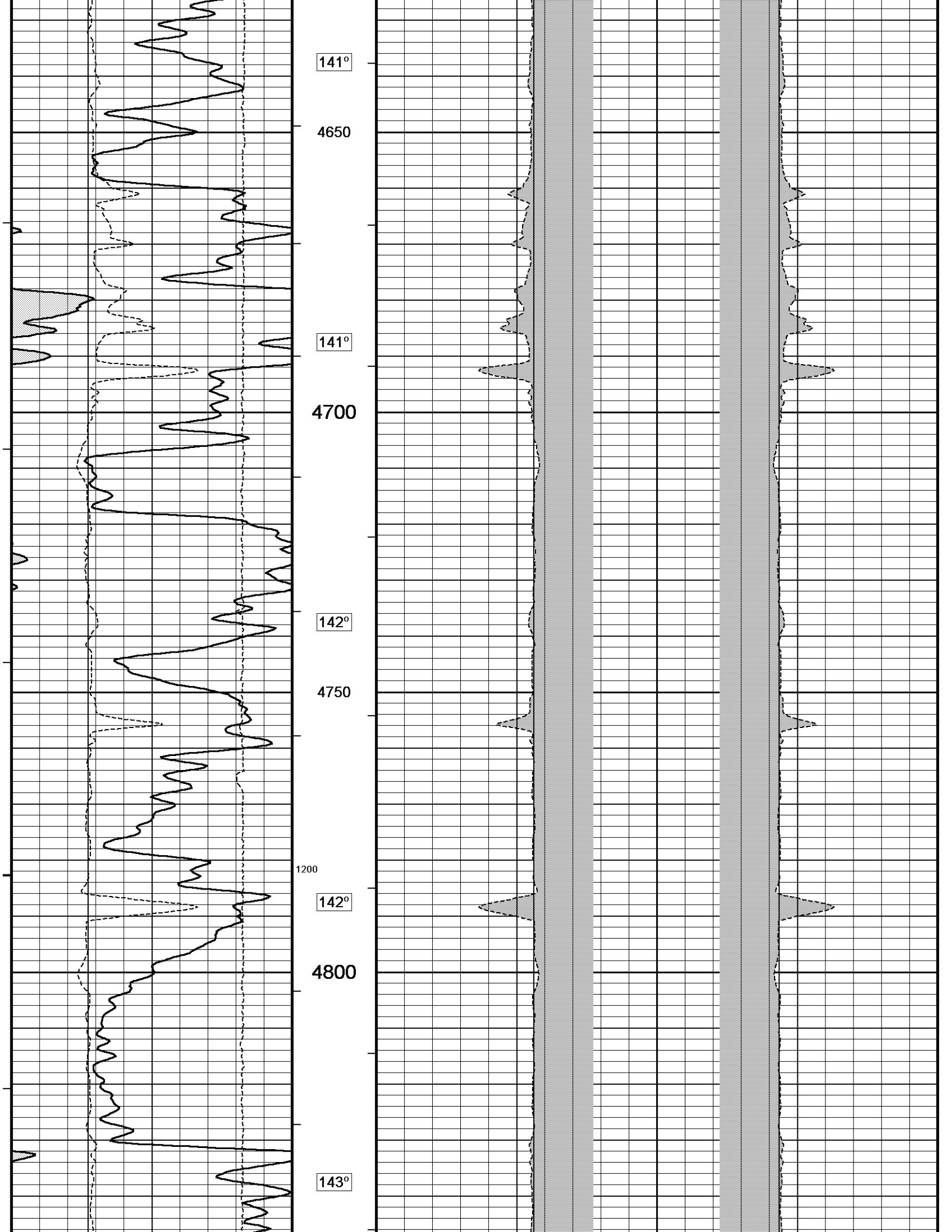
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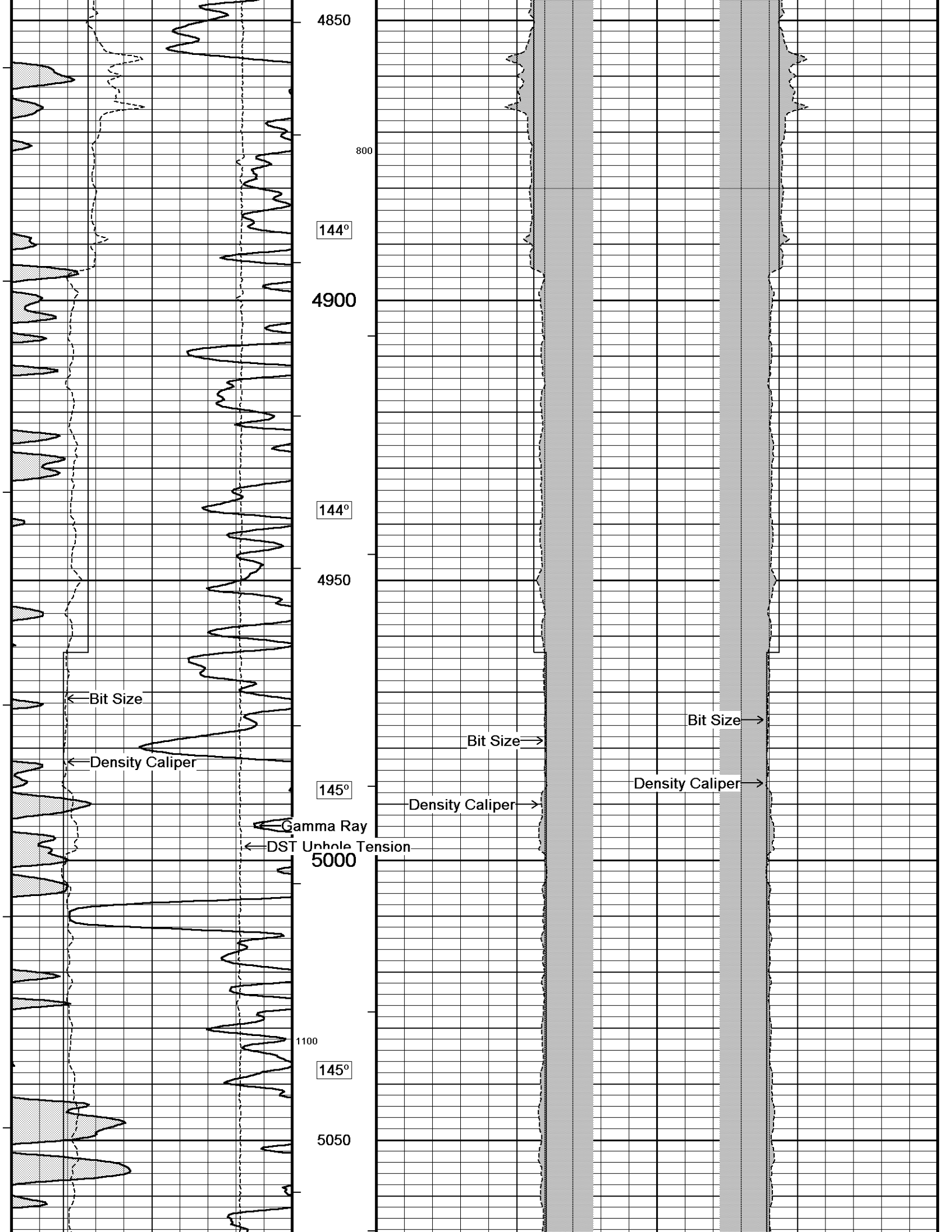
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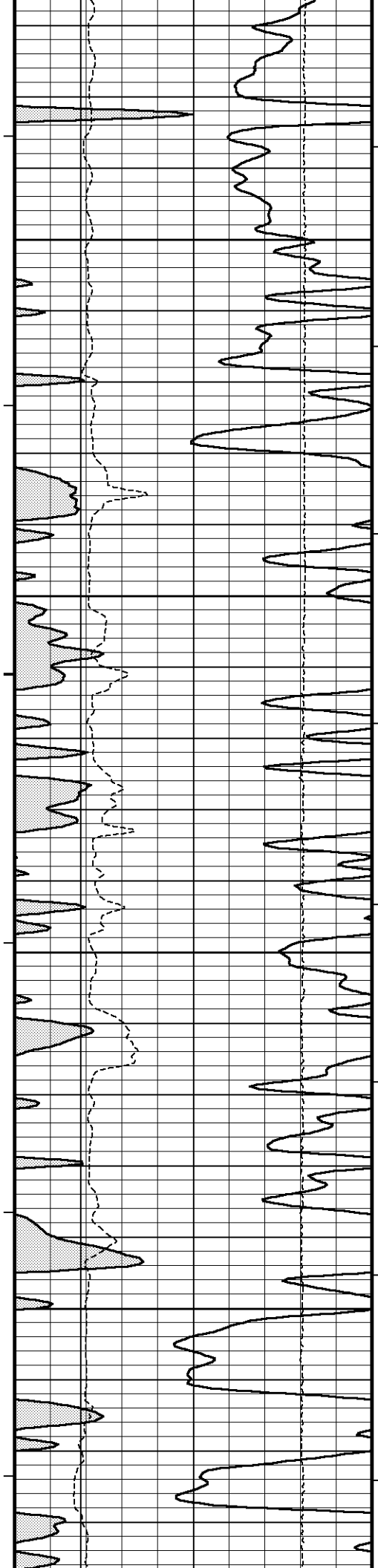
← Bit Size











146°

5100

147°

5150

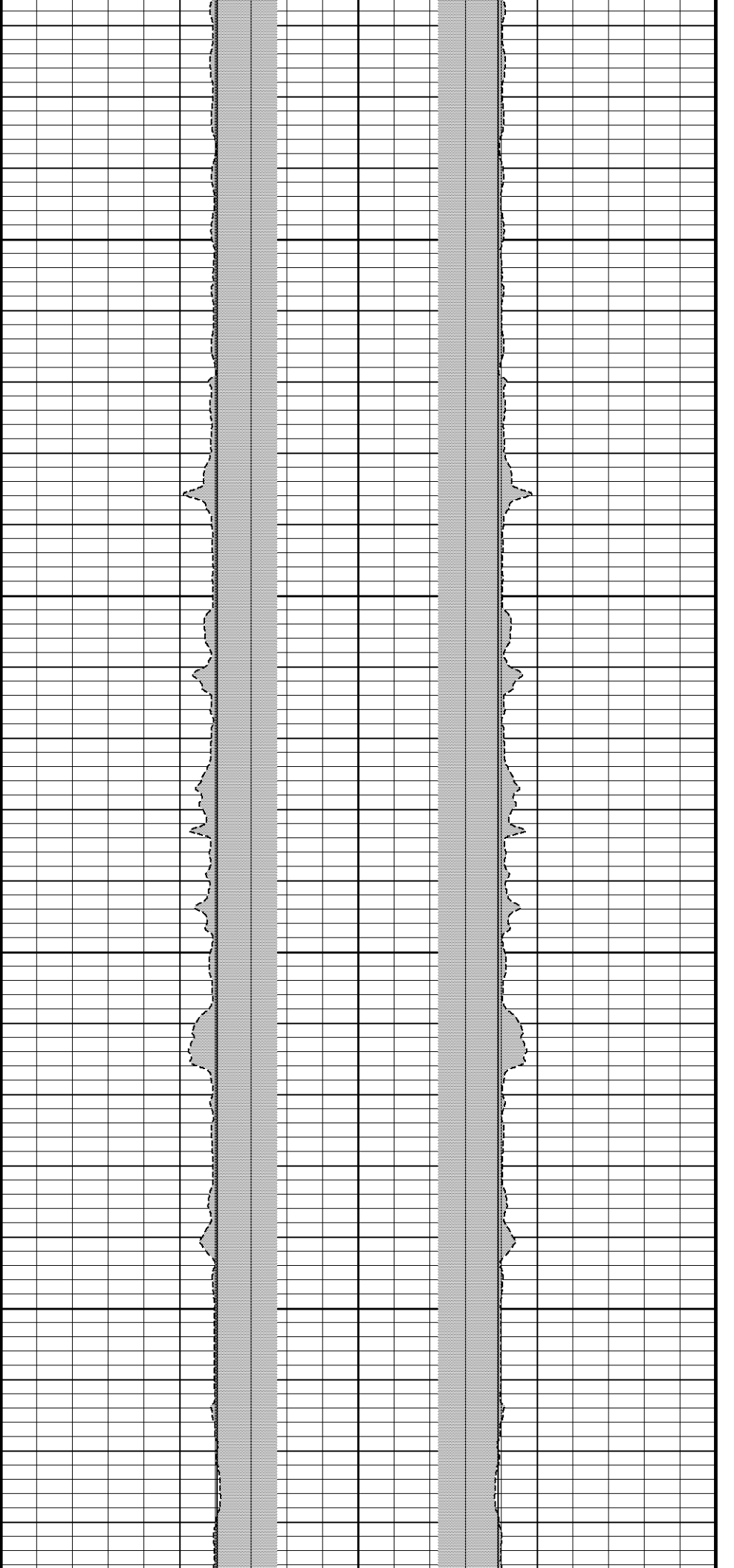
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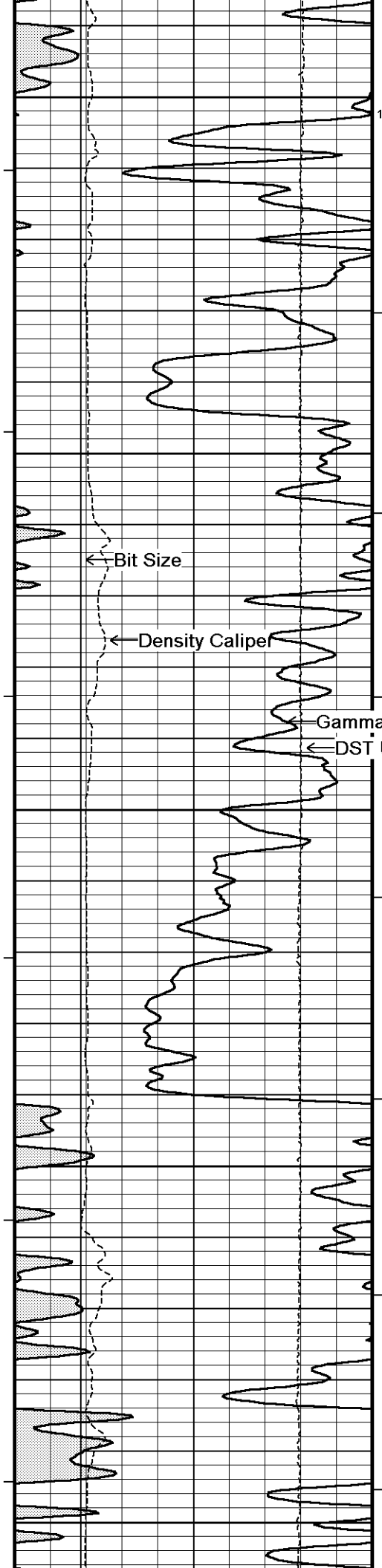
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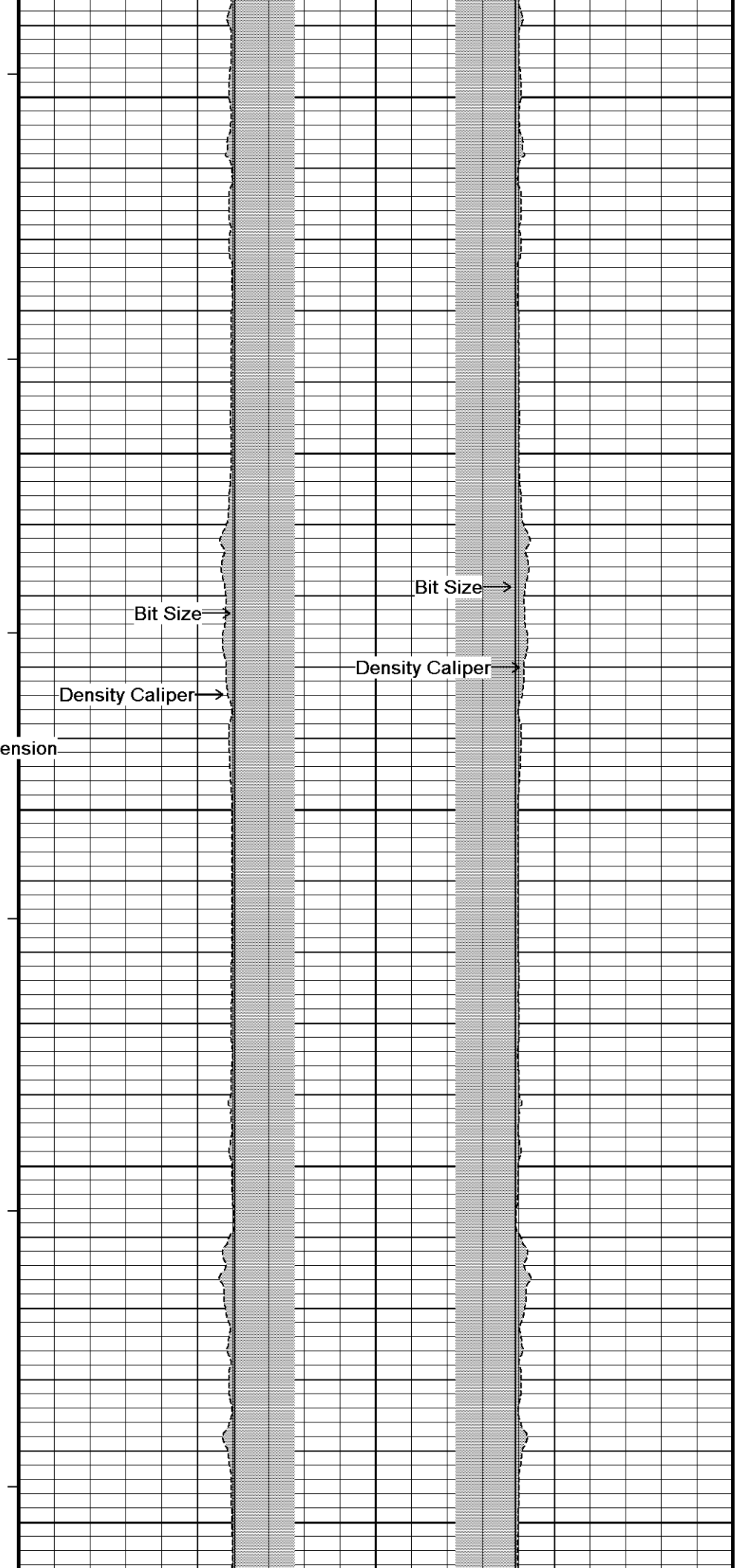
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700

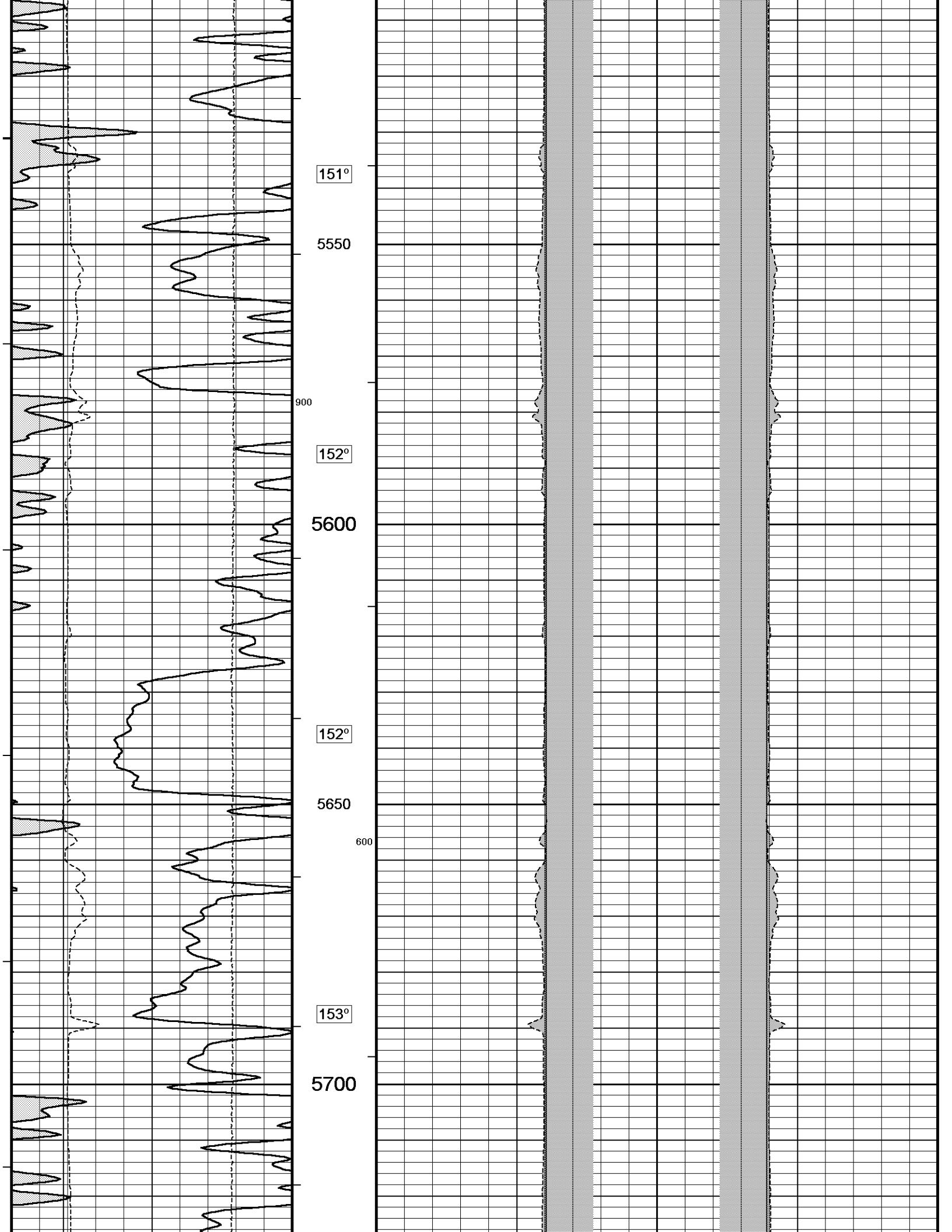


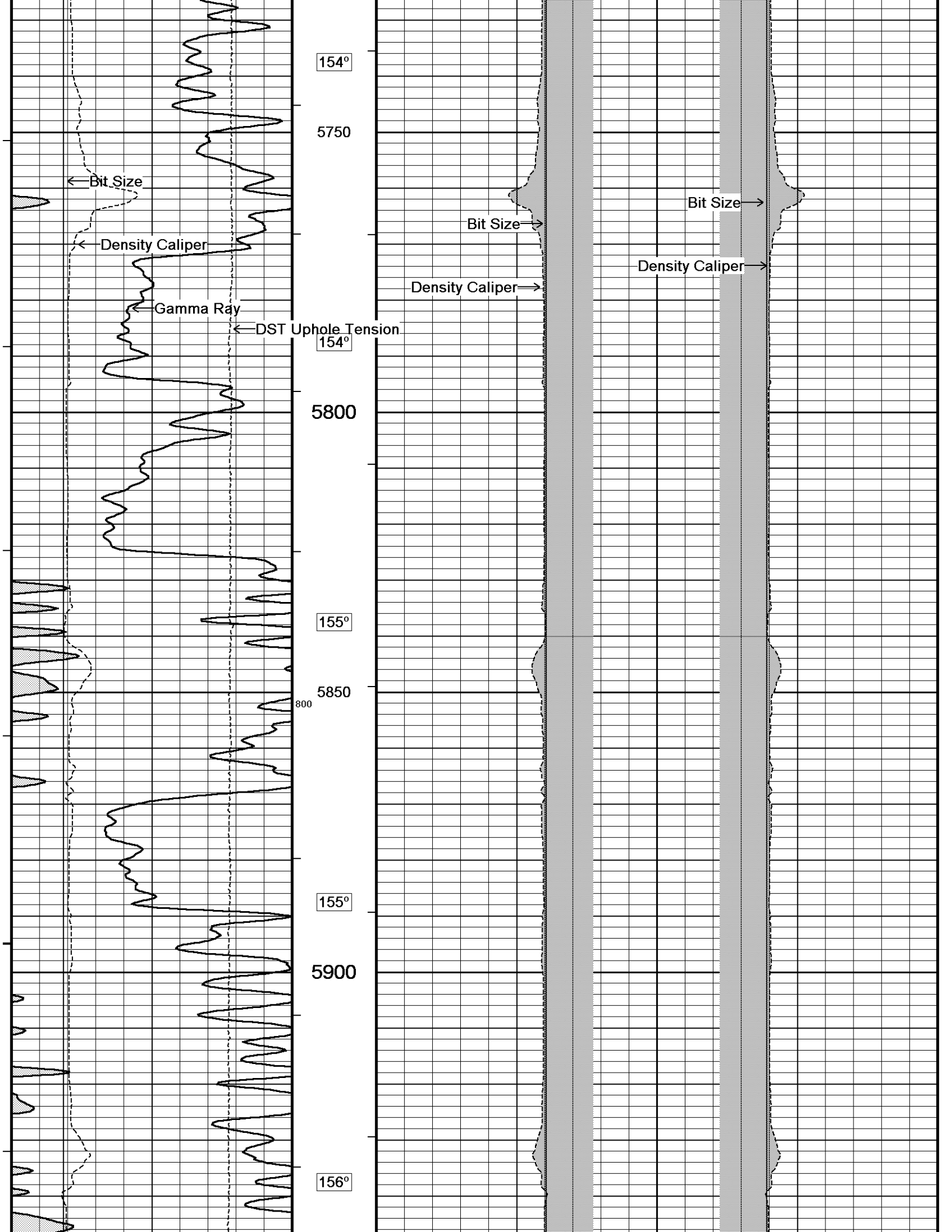


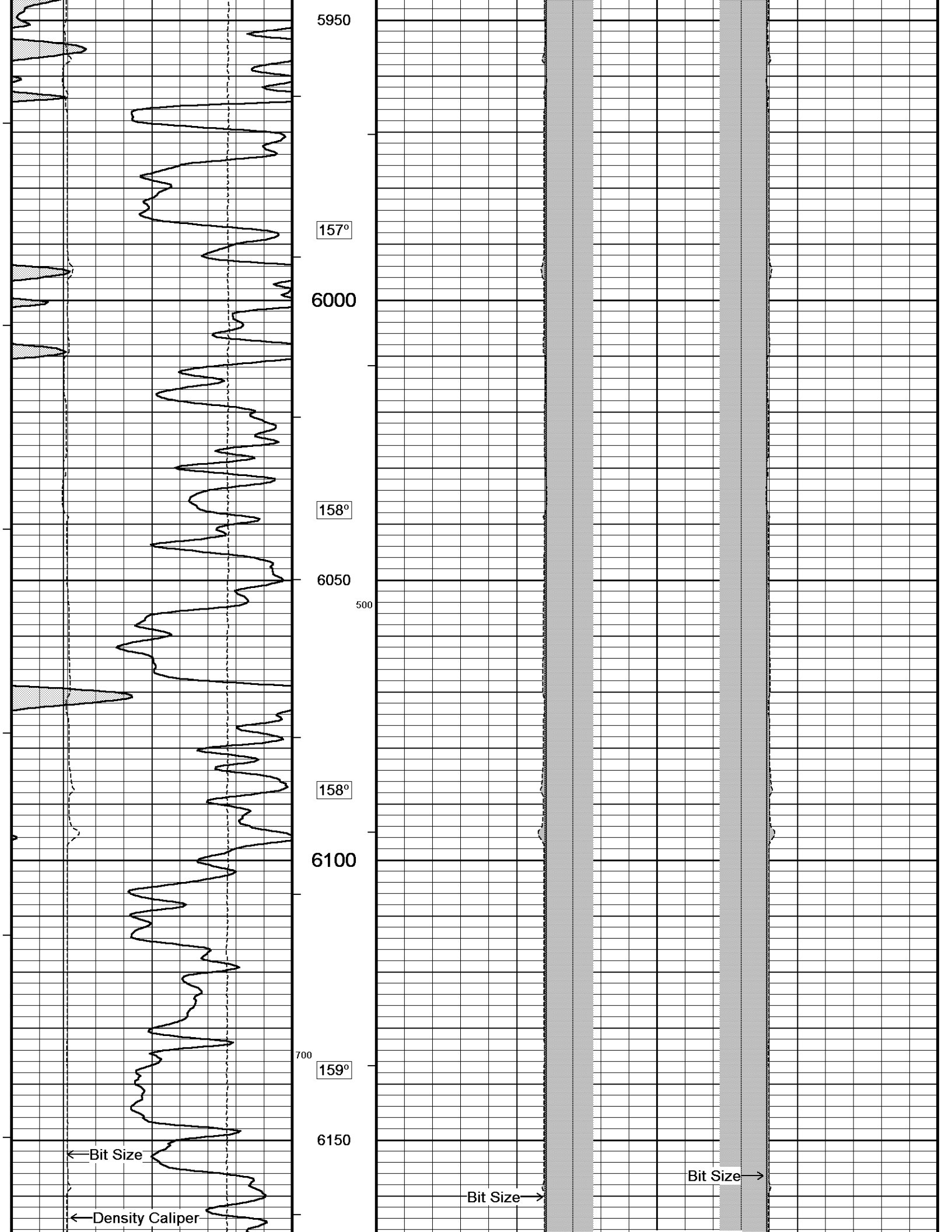
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5300
1000
149°
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5400
150°
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151°
5500

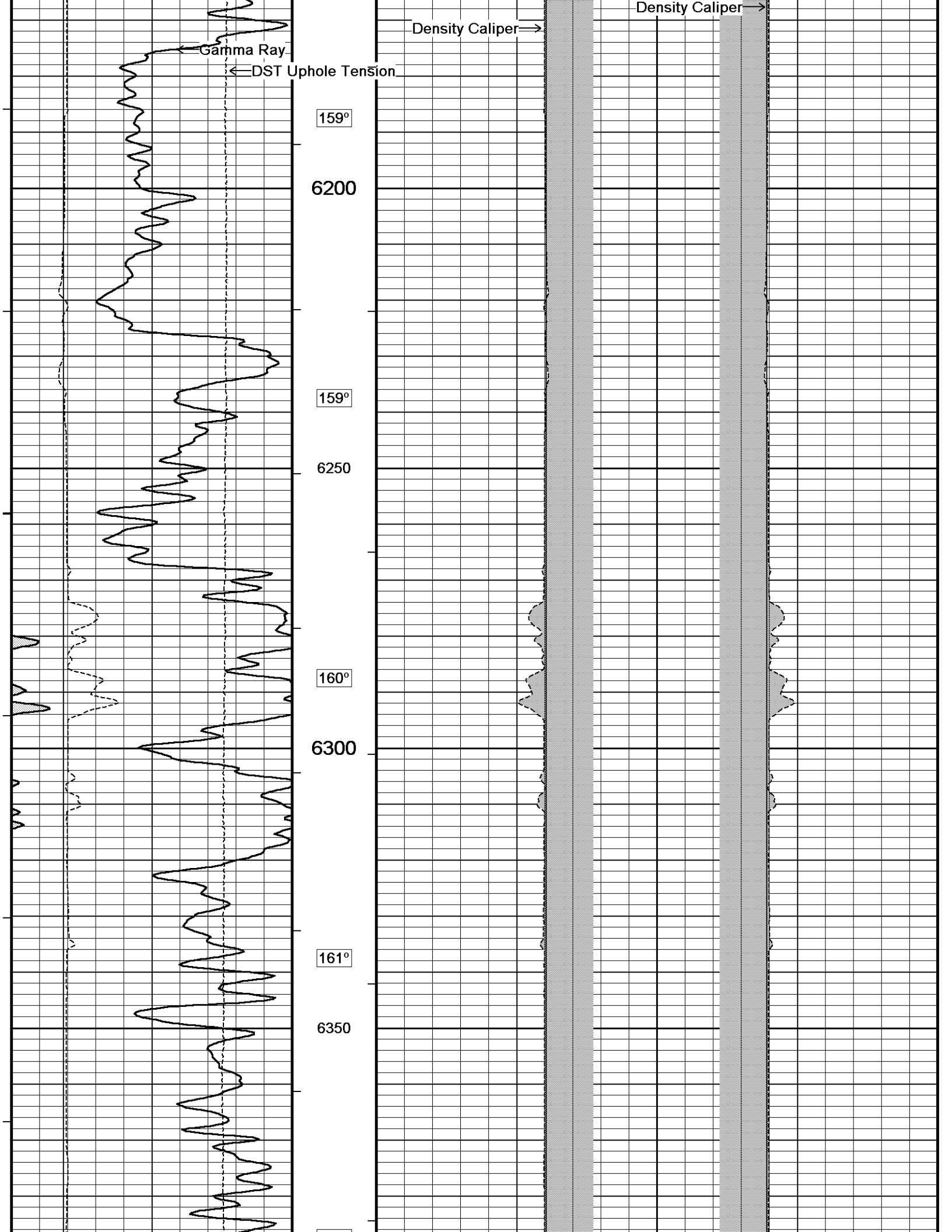


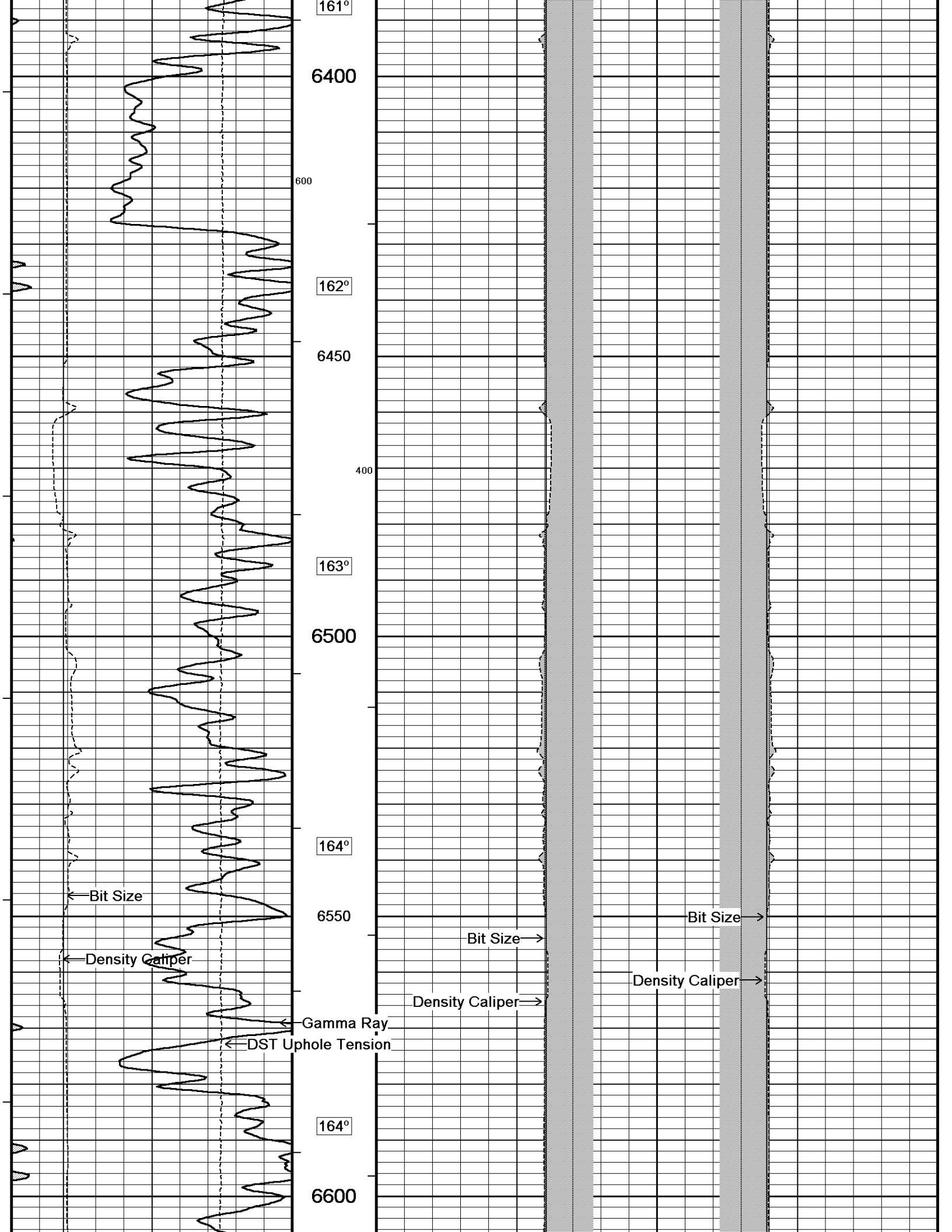
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Density Caliper
Bit Size
Density Caliper

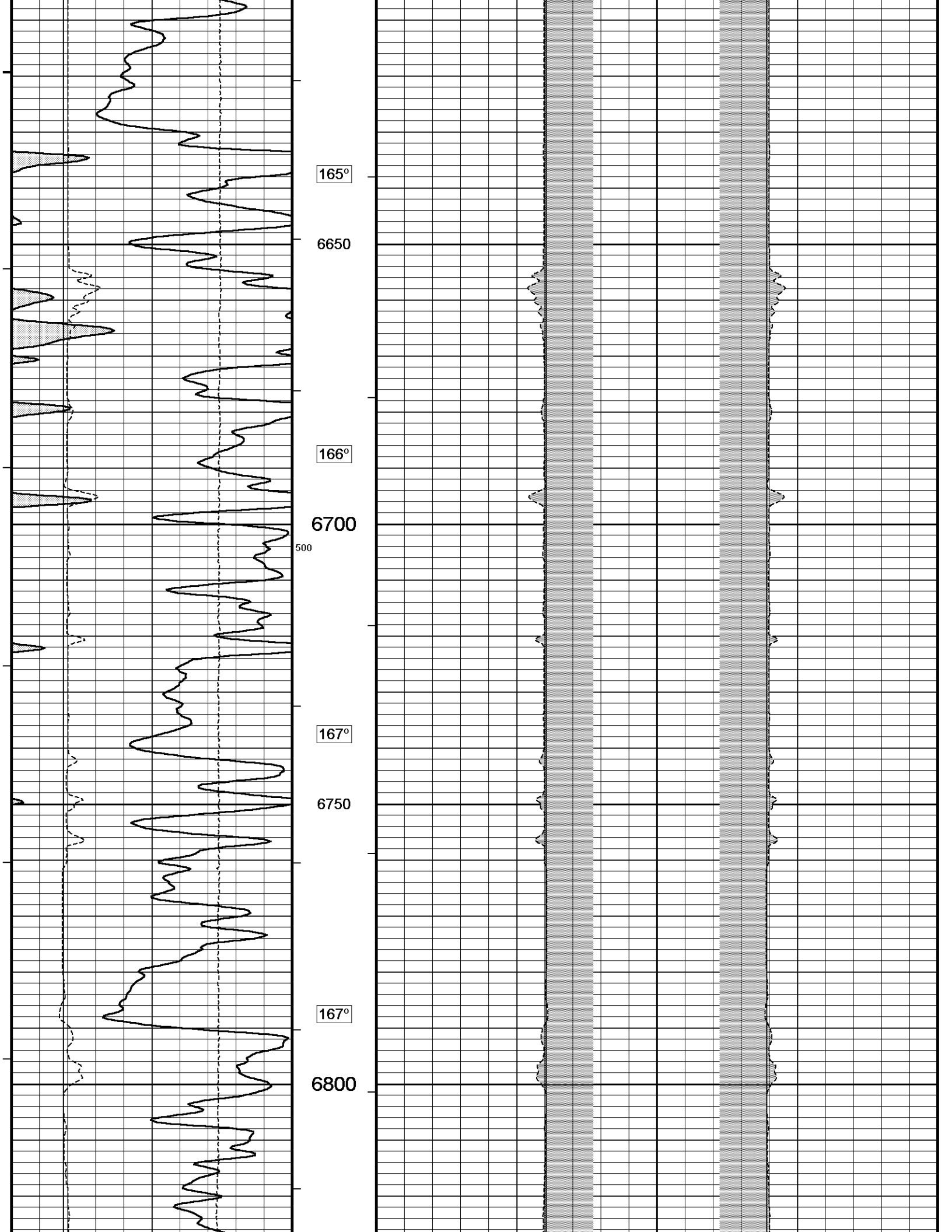


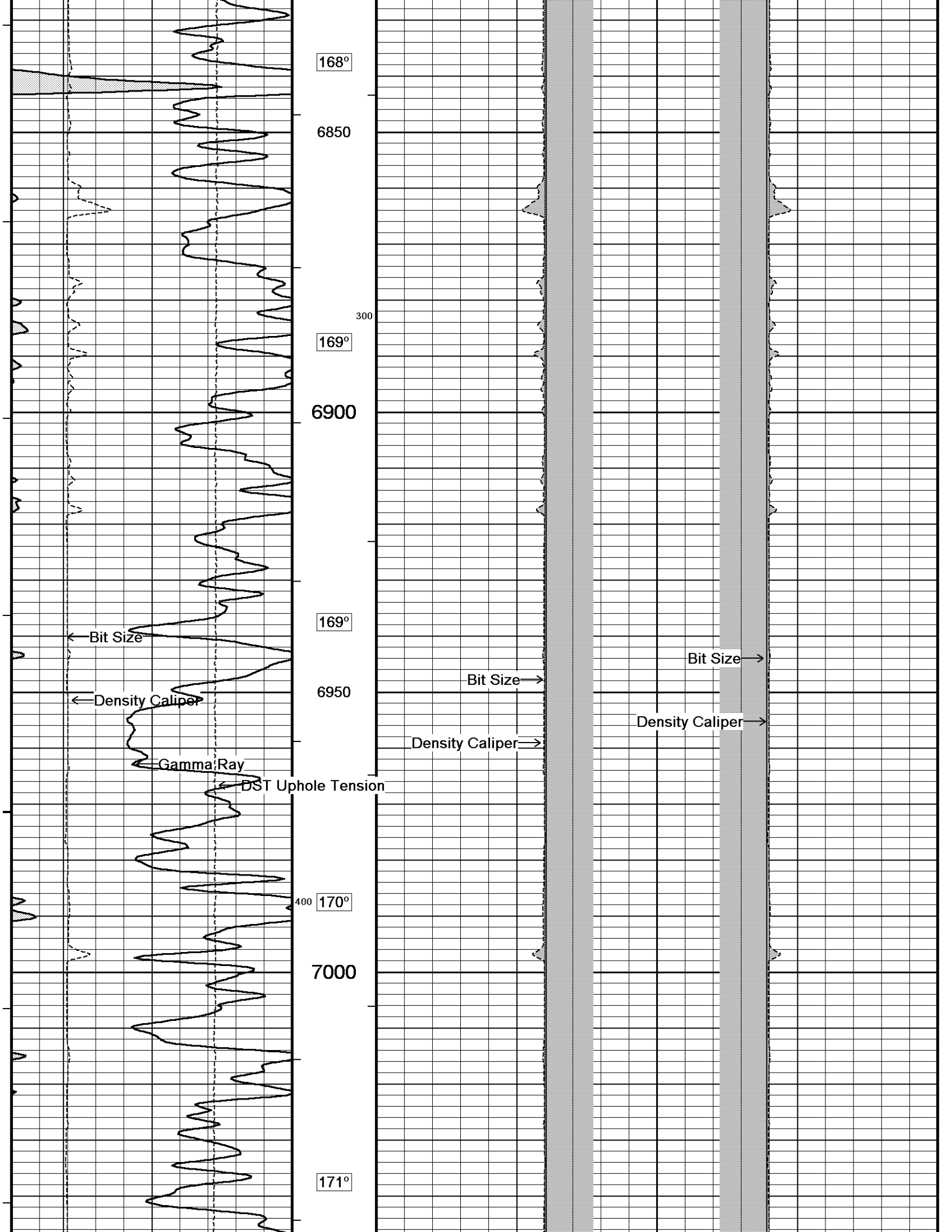


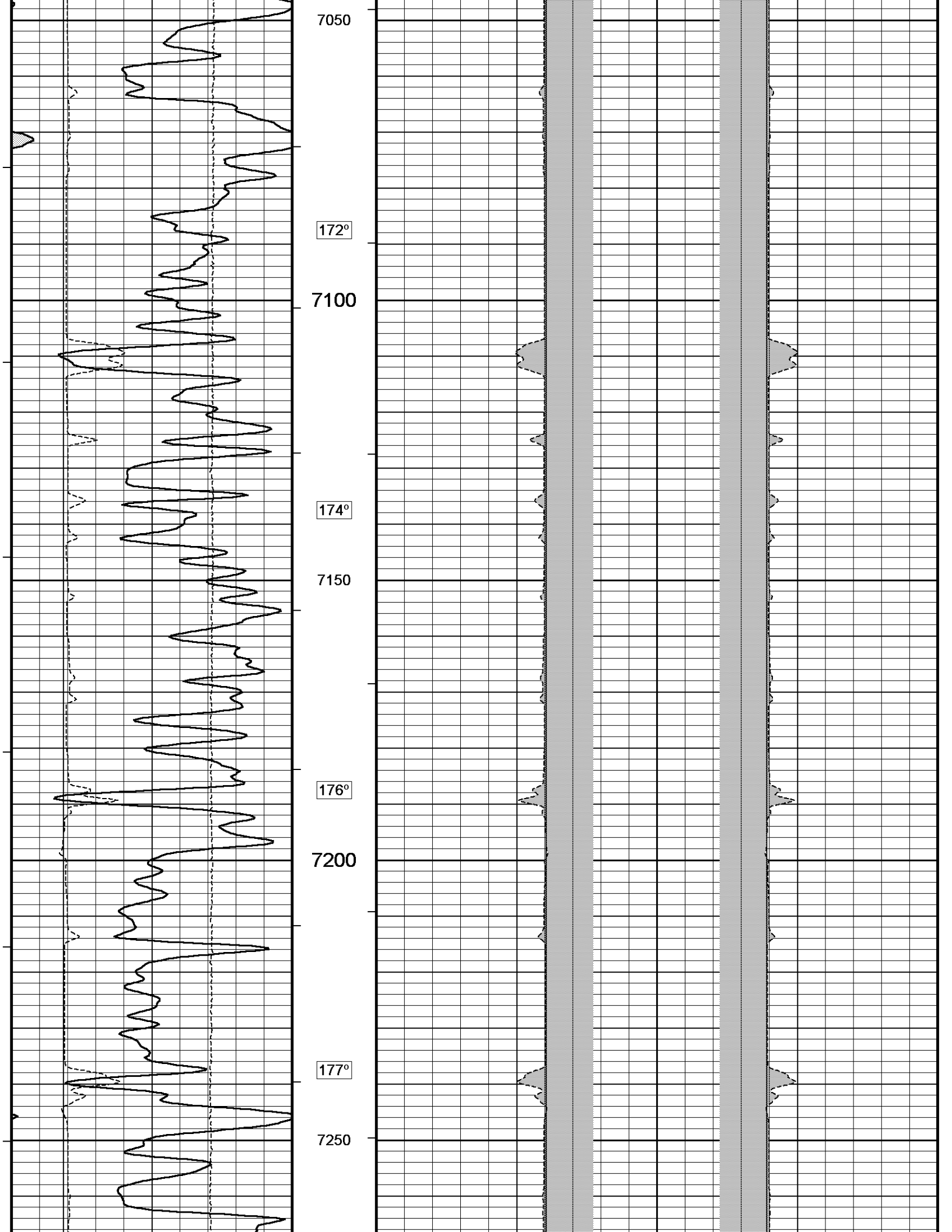


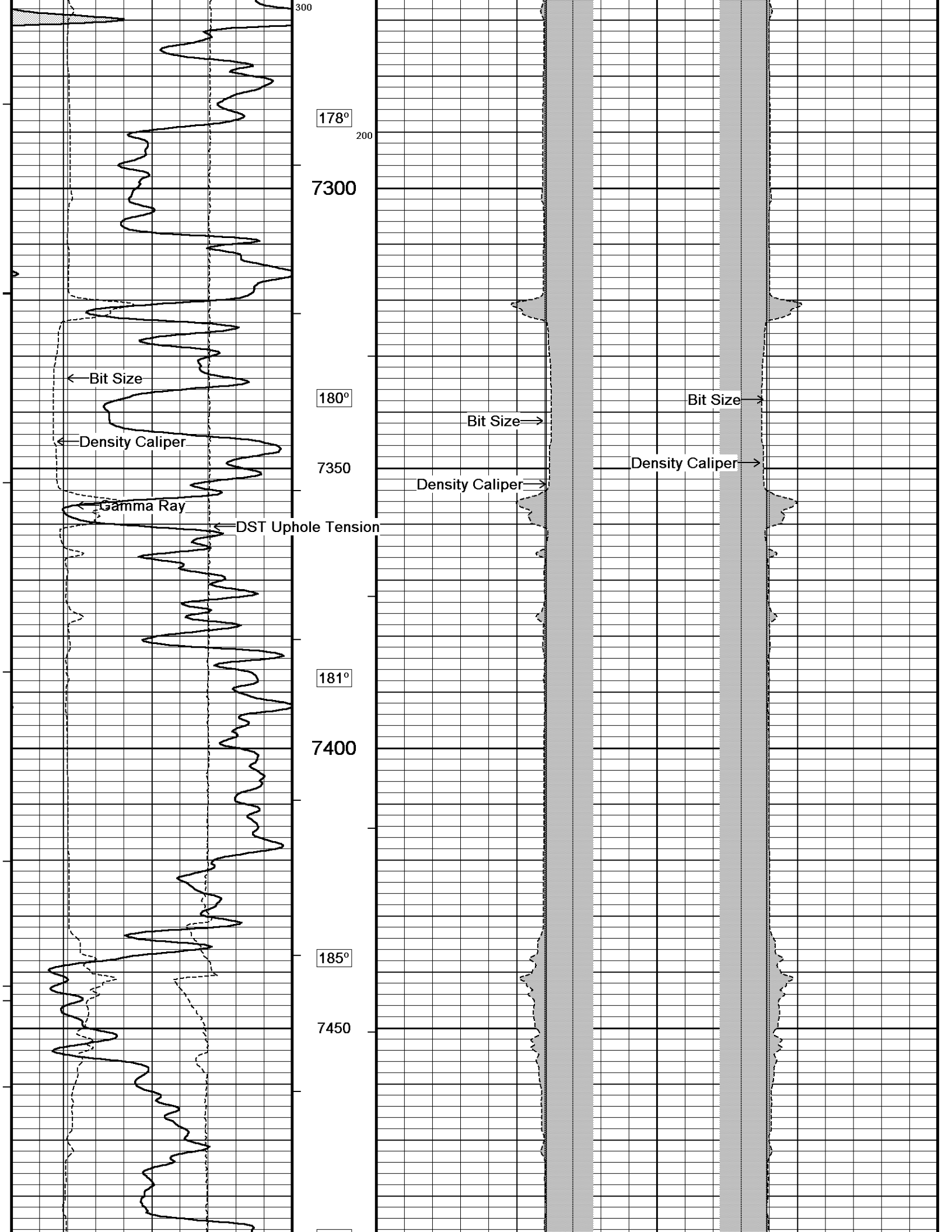


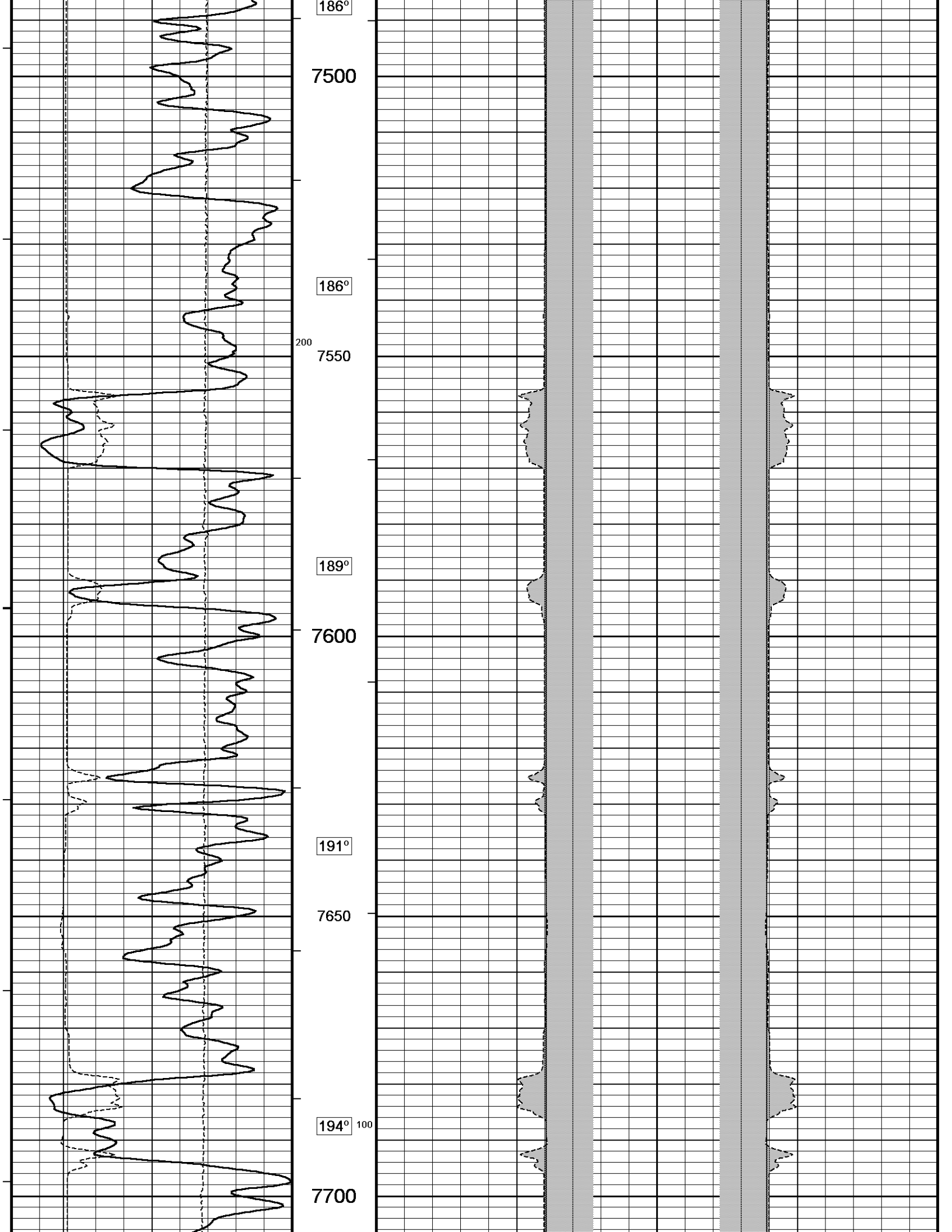


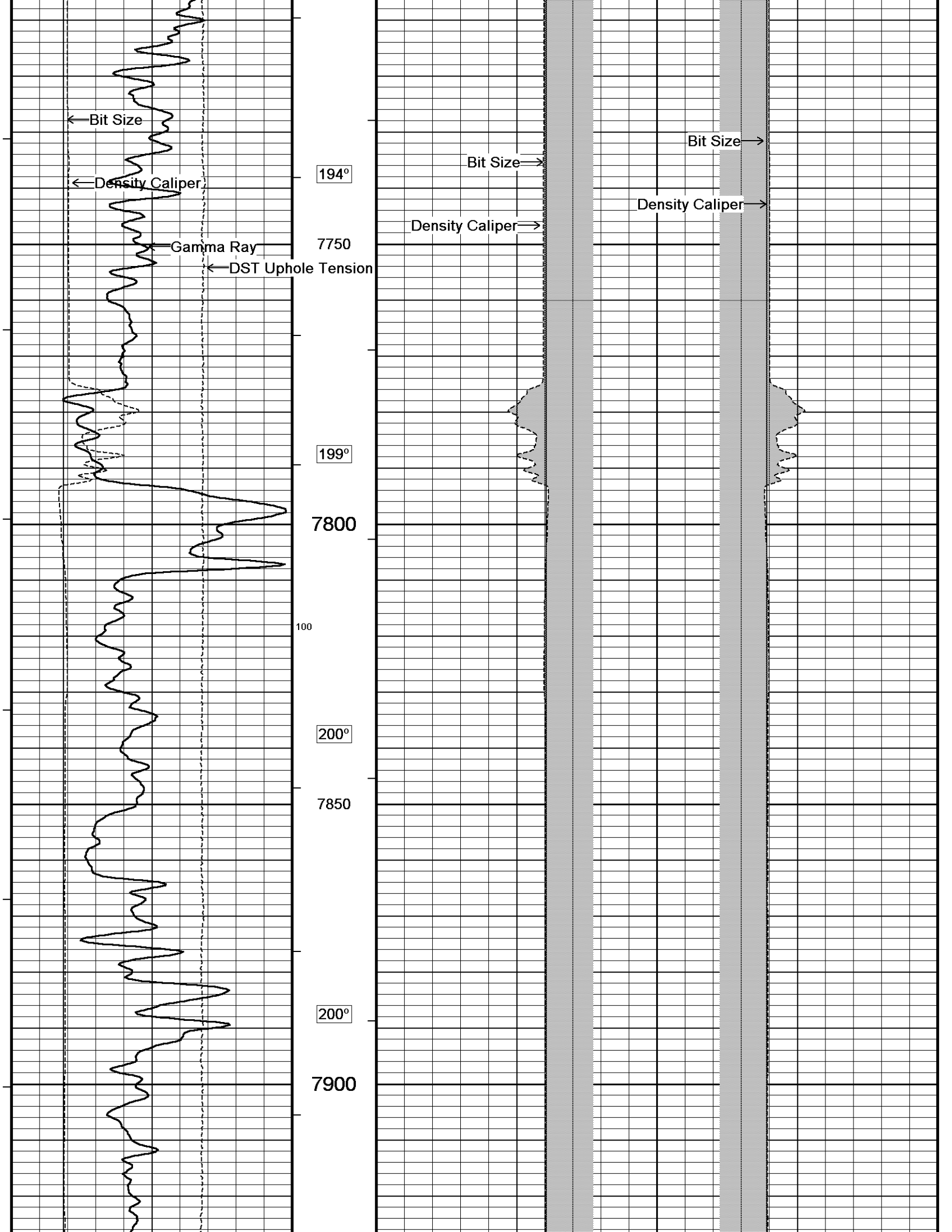


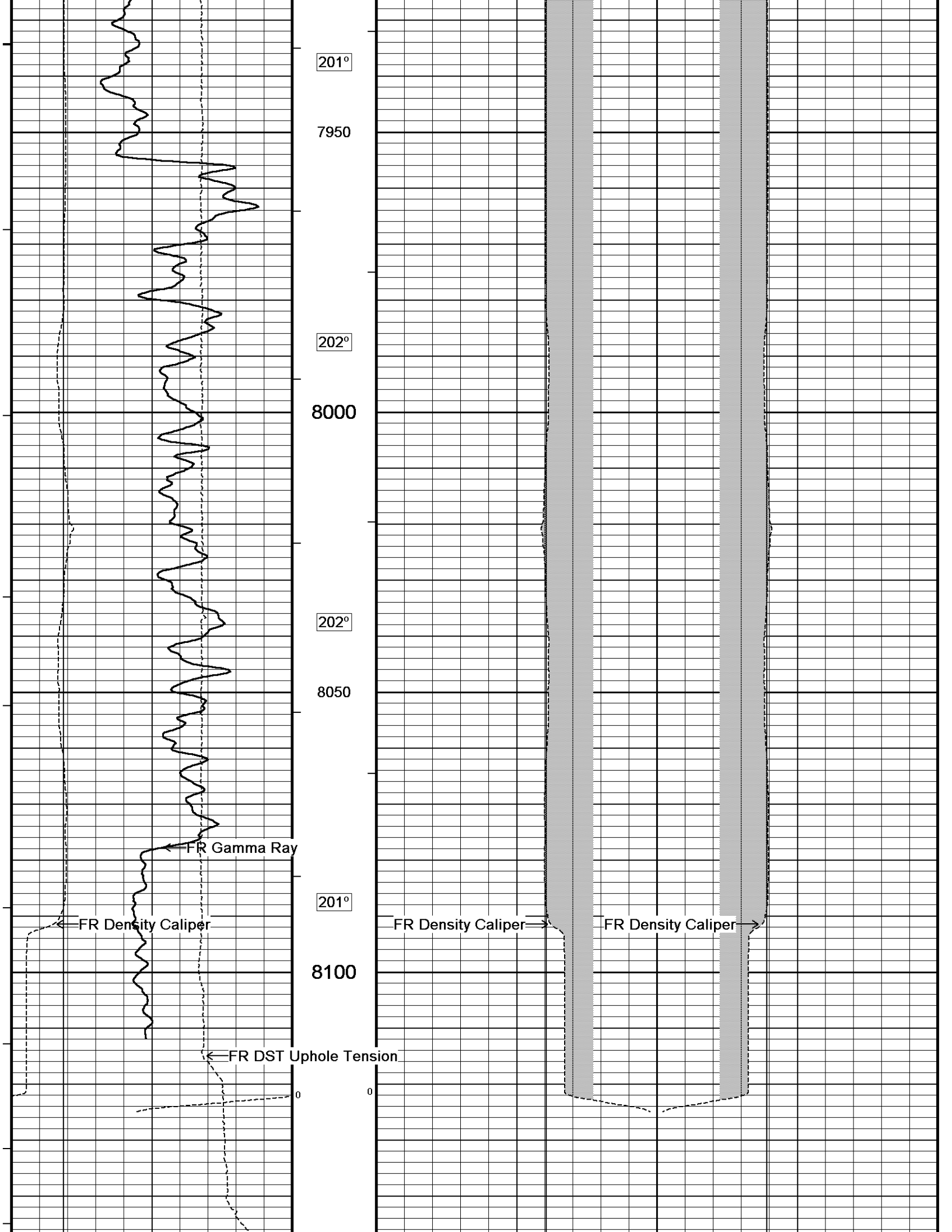


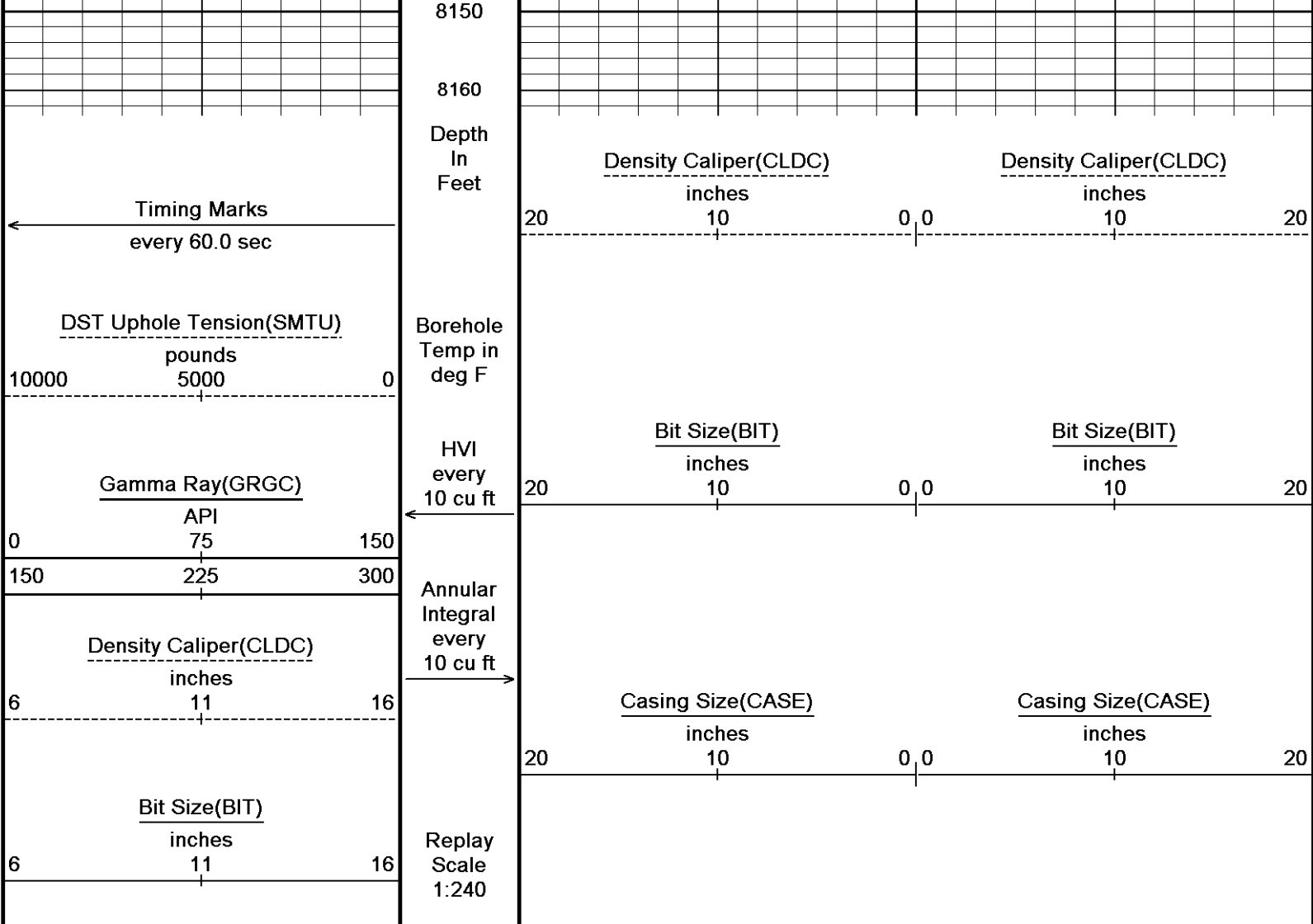












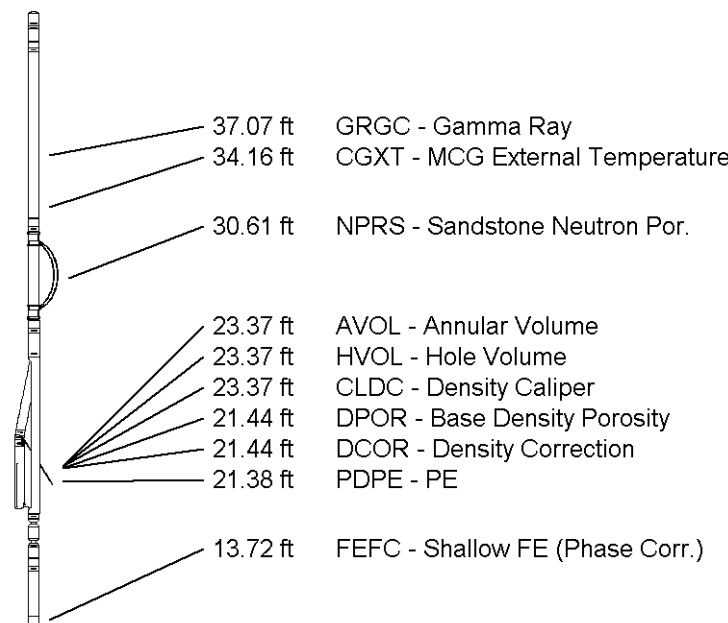
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 Recorded on 23-MAY-2011 05:10
 System Versions: Logged with 11.02.2782 Plotted with 11.02.3186

5 INCH MAIN LOG

DOWNHOLE EQUIPMENT

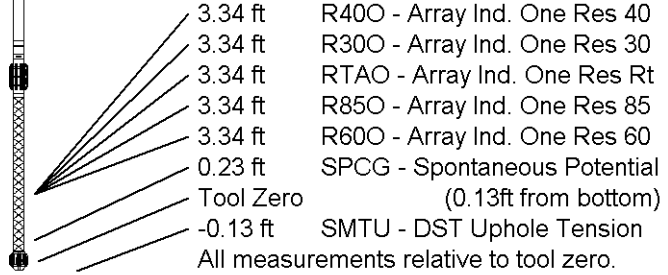
C:\LOGS\GJ11-077\SETUP.dta

- 3/8" Triple Cone Cable Head (MCB C A)
MCB-C.A 5 LG: 1.58 ft WT: 15.4 lb OD: 2.24 in
- Compact Comms Gamma
MCG-C 192 LG: 8.70 ft WT: 63.9 lb OD: 2.24 in
- Compact Neutron
MDN-A.B 160 LG: 5.04 ft WT: 50.7 lb OD: 2.24 in
- Compact Density/Caliper
MPD-B 167 LG: 9.59 ft WT: 90.4 lb OD: 2.45 in
- SKJ-D.A Compact Knuckle Joint
SKJ-D.A 114 LG: 2.17 ft WT: 24.3 lb OD: 2.24 in
- Compact Focussed Electric
MFE-A.A 95 LG: 6.05 ft WT: 48.5 lb OD: 2.24 in



Compact Induction
 MAI-B.A 213 LG: 10.81 ft WT: 48.5 lb OD: 2.24 in

Total Length: 43.93 ft Weight: 341.7 lb



COMPANY	BILL BARRETT CORPORATION
WELL	CB TG LAND 12D-20-692
FIELD	MAMM CREEK
PROVINCE/COUNTY	GARFIELD
COUNTRY/STATE	U.S.A. / COLORADO

Elevation Kelly Bushing	5553.00	feet	First Reading	8092.00
Elevation Drill Floor	5553.00	feet	Depth Driller	8118.00 feet
Elevation Ground Level	5530.00	feet	Depth Logger	8115.00 feet



HOLE VOLUME
 CALIPER LOG

