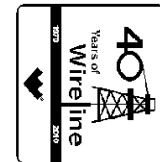


**Weatherford**

HOLE VOLUME CALIPER LOG



COMPANY **BILL BARRETT CORPORATION**
WELL **CB-TG LAND 22D-20-692**
FIELD **MAMM CREEK**
PROVINCE/COUNTY **GARFIELD**
COUNTRY/STATE **U.S.A. / COLORADO**
LOCATION **SHL: 750' FNL & 2547' FEL**
BHL: 1561' FNL & 1972' FWL

SEC **20** TWP **6S** RGE **92W** Other Services
API Number **05-045-19778** MPD/MDN
Permit Number **MAI/MFE**

Permanent Datum G.L., Elevation 5529 feet
Log Measured From K.B. @ 23 FT above Permanent Datum
Drilling Measured From K.B.

Elevations: KB 5552.00
DF
GL 5529.00

Date	09-MAY-2011	
Run Number	ONE	
Depth Driller	7645.00	feet
Depth Logger	7640.00	feet
First Reading	7617.00	
Last Reading	813.00	
Casing Driller	816.00	feet
Casing Logger	813.00	feet
Bit Size	7.875	inches
Hole Fluid Type	LSND	
Density / Viscosity	10.60 lb/USg	52.00 CP
PH / Fluid Loss	9.50	6.00 ml/30Min
Sample Source	FLOW LINE	
Rm @ Measured Temp	2.70 @ 82.0	ohm-m
Rmf @ Measured Temp	2.16 @ 82.0	ohm-m
Rmc @ Measured Temp	3.24 @ 82.0	ohm-m
Source Rmf / Rmc	CALC	CALC
Rm @ BHT	1.84 @191.0	ohm-m
Time Since Circulation	6 HOURS	
Max Recorded Temp	191.00	deg F
Equipment Name	COMPACT	
Equipment / Base	13038	GD JCT
Recorded By	S. LACKEY	
Witnessed By	J. BOYD	

BOREHOLE RECORD

Last Edited: 10-MAY-2011 00:53

Bit Size inches	Depth From feet	Depth To feet
8.750	816.00	4958.00
7.875	4958.00	7645.00

CASING RECORD

Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE	9.625	0.00	816.00	36.00

REMARKS

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

HARDWARE: MPD: (1) 8 INCH PROFILE PLATE
MAI: (2) 0.5 INCH STANDOFF
MDN: (1) DUAL BOWSPRING

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. = 9.02" (9 5/8", 36 LB/FT CASING)

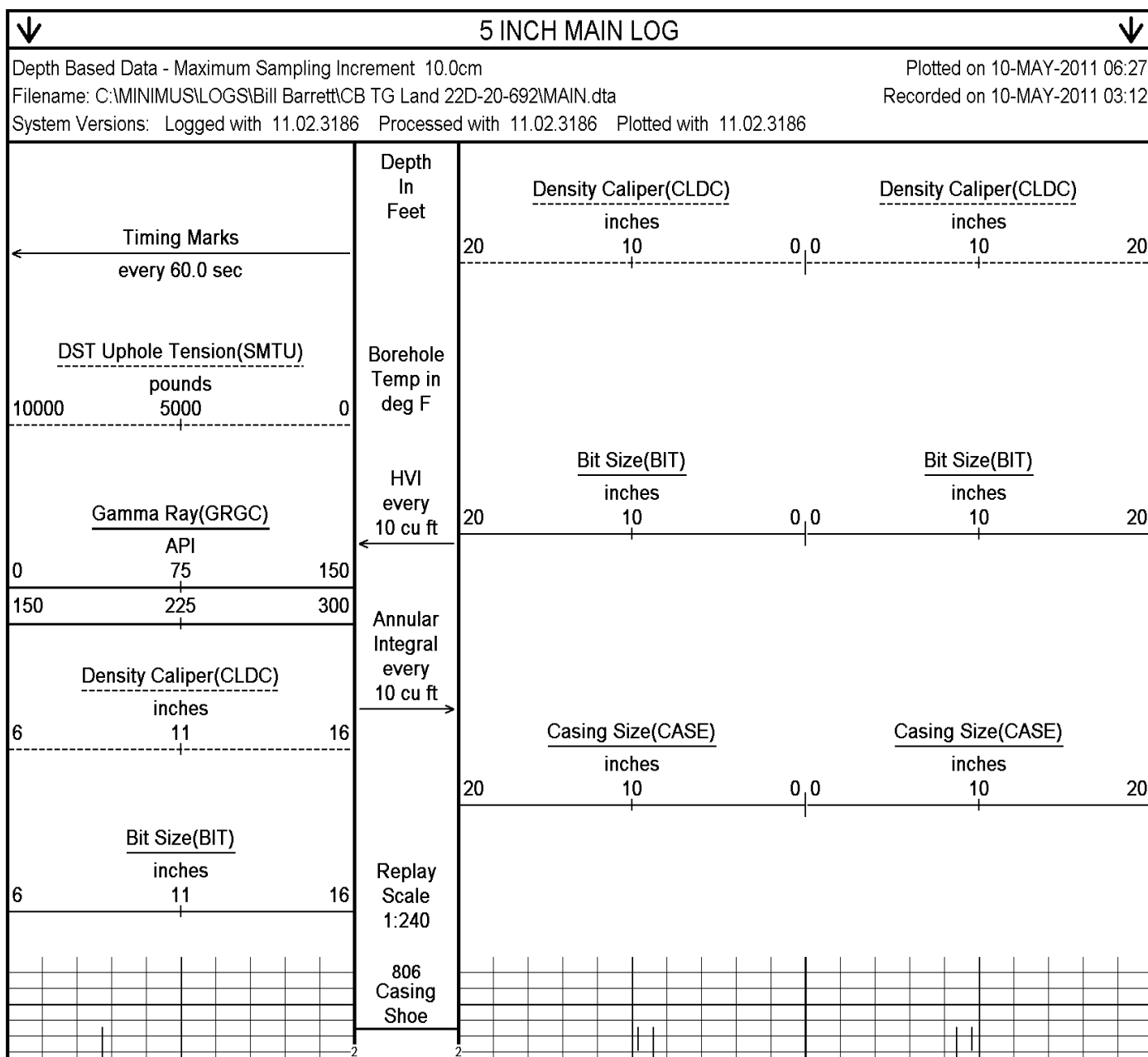
TOTAL HOLE VOLUME FROM TD TO SURFACE CASING = 2880 CU.FT.

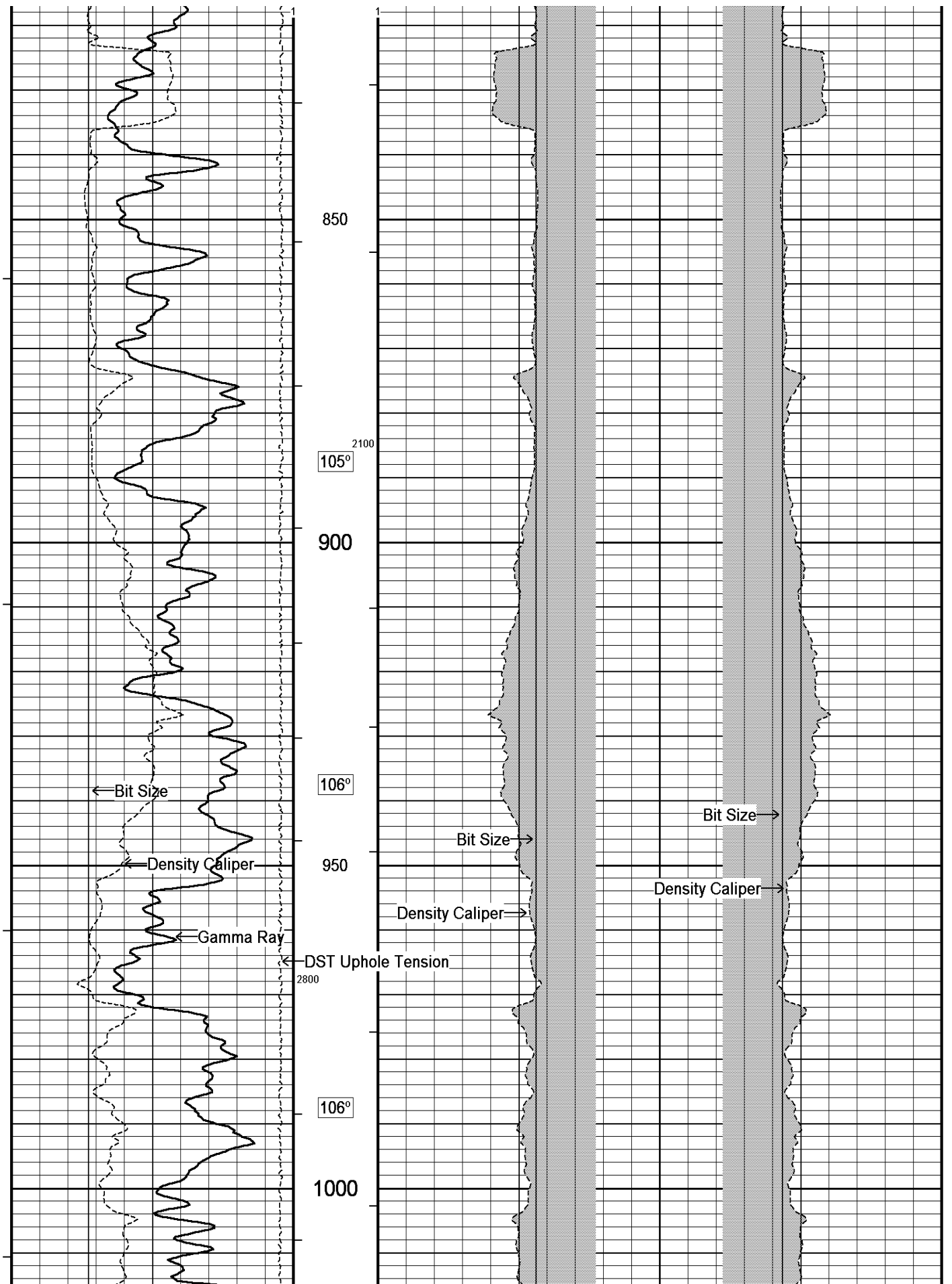
ANNULAR VOLUME WITH 4.5 INCH PRODUCTION CASING = 2130 CU.FT.

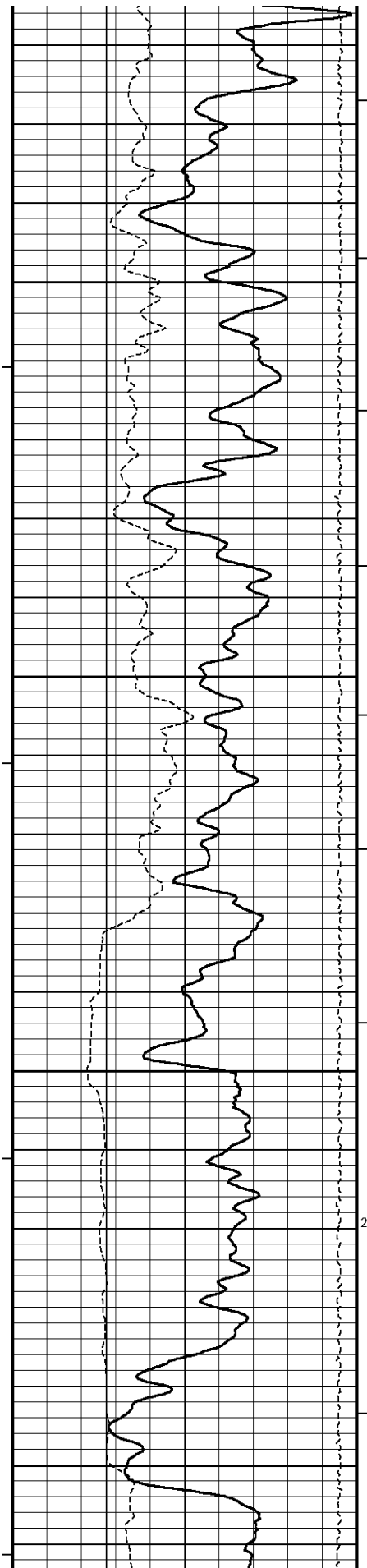
SERVICE ORDER: #3526180

RIG: NABORS #37

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°

1050

108°

1100

2000

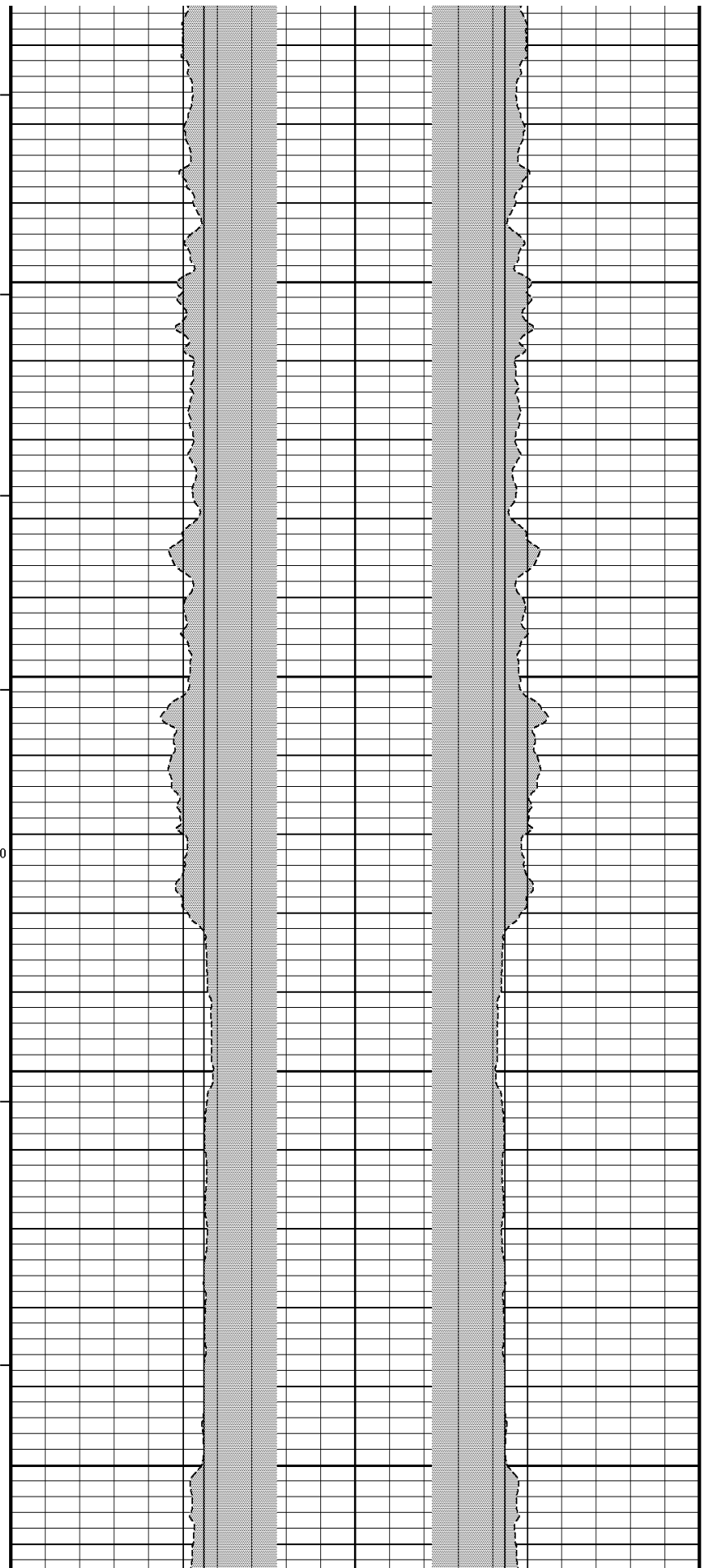
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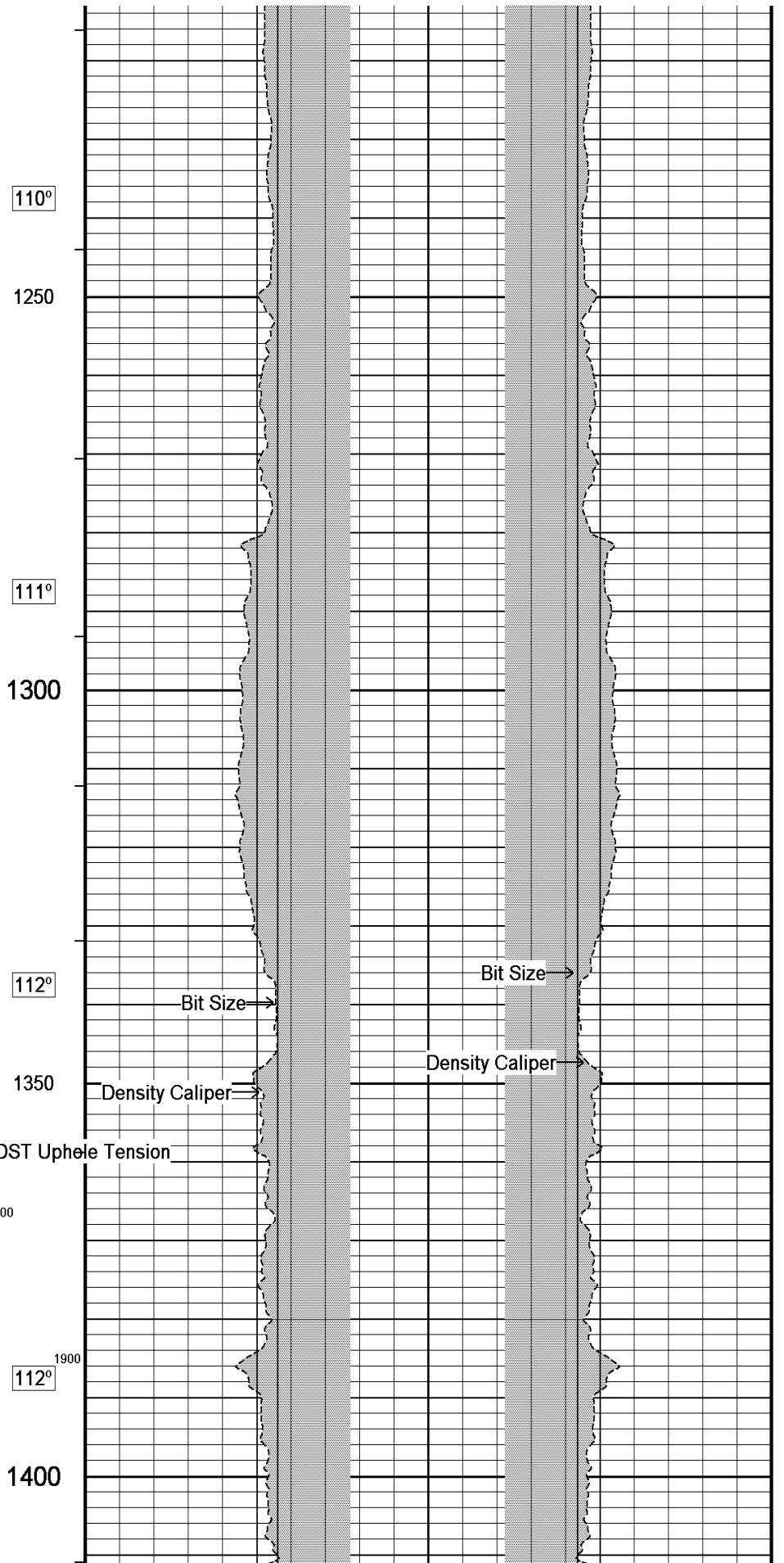
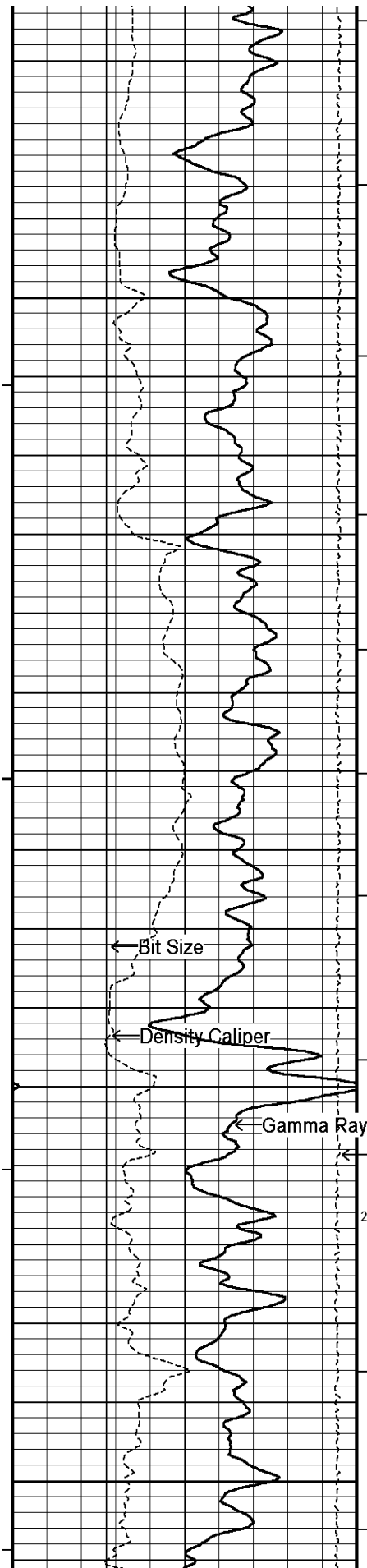
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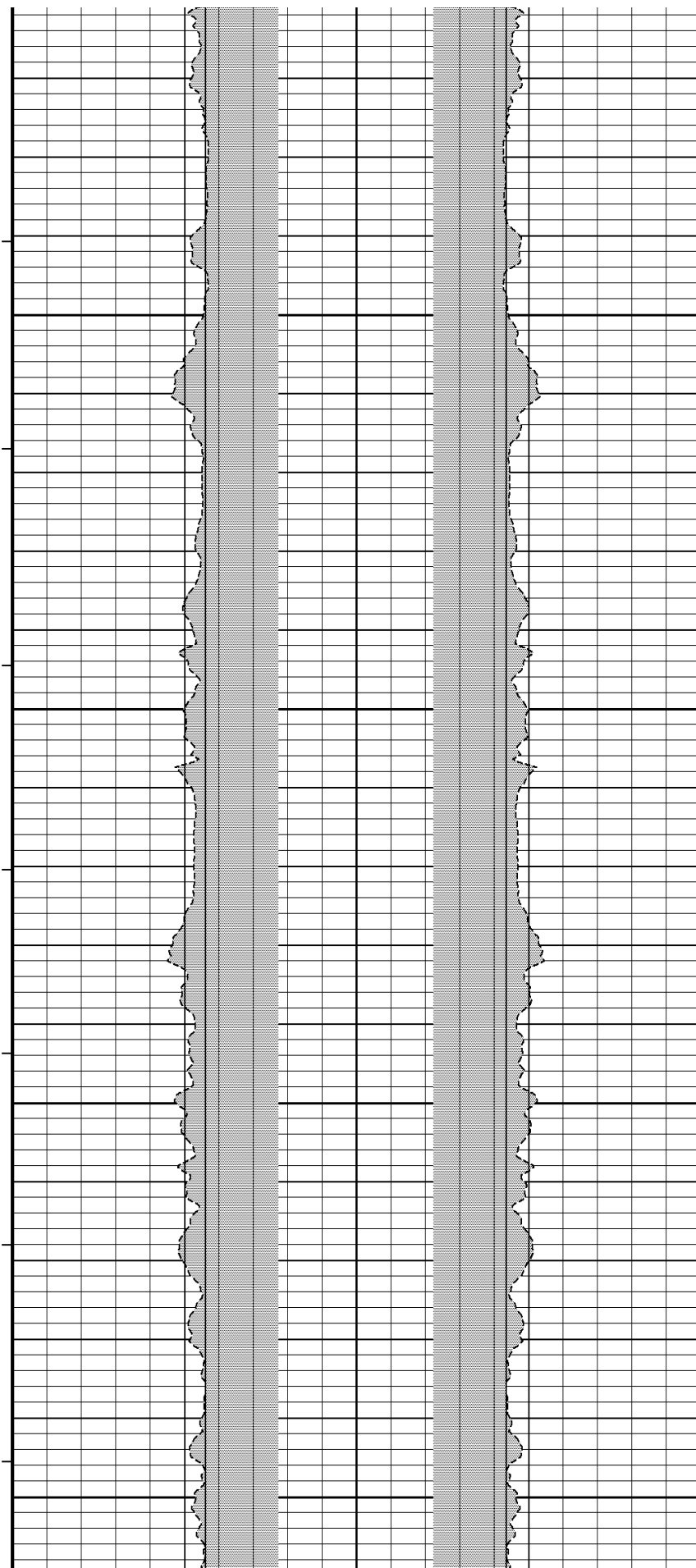
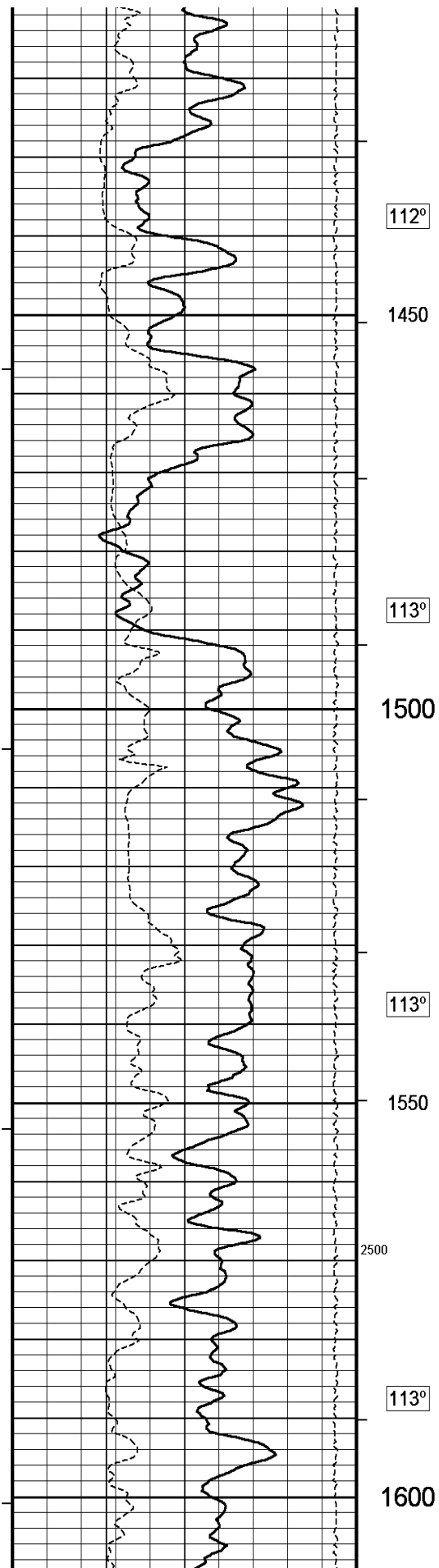
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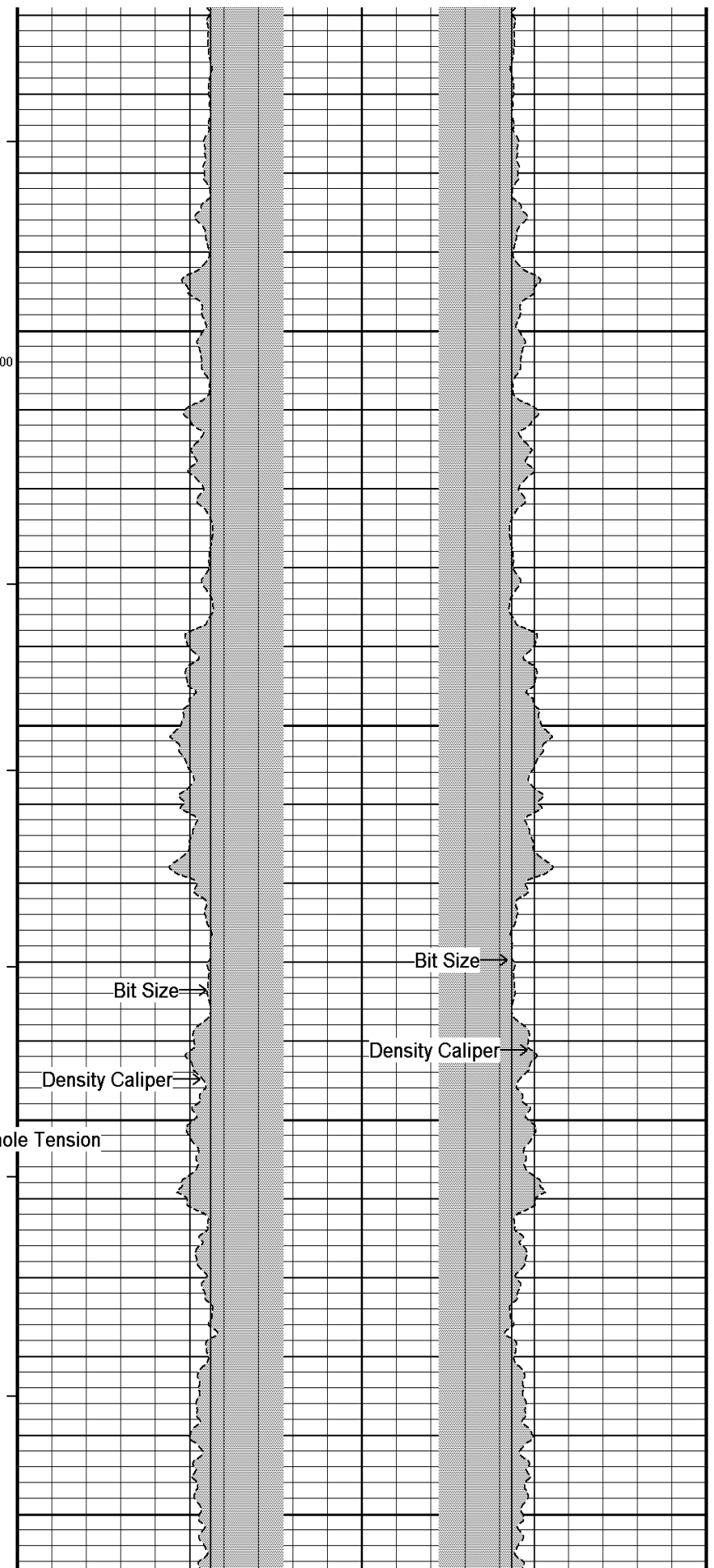
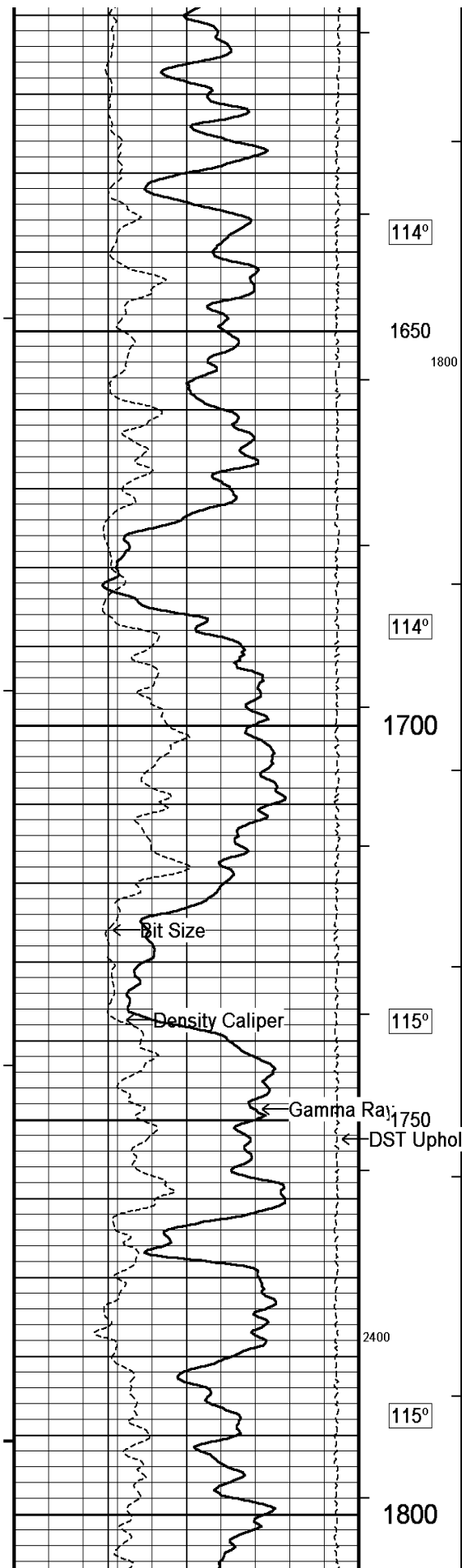
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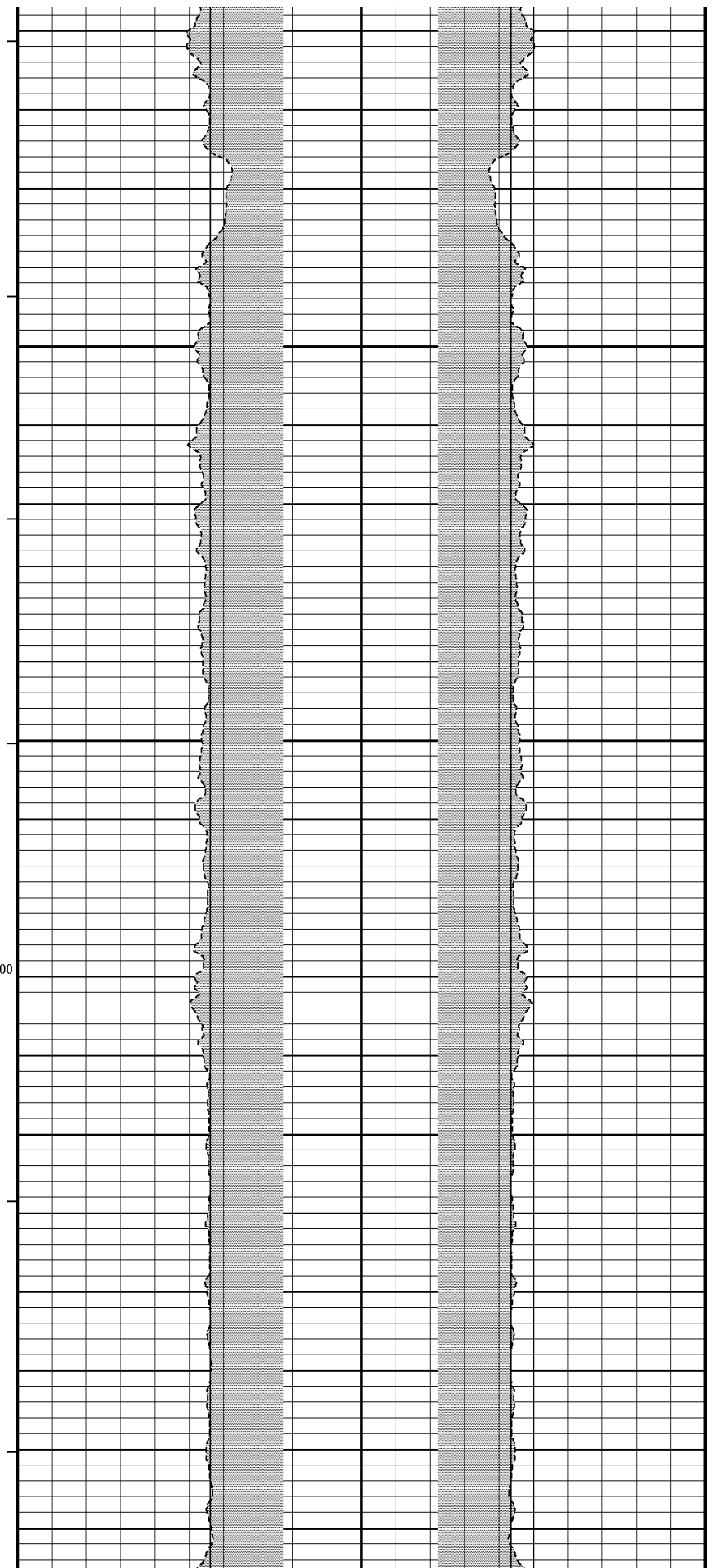
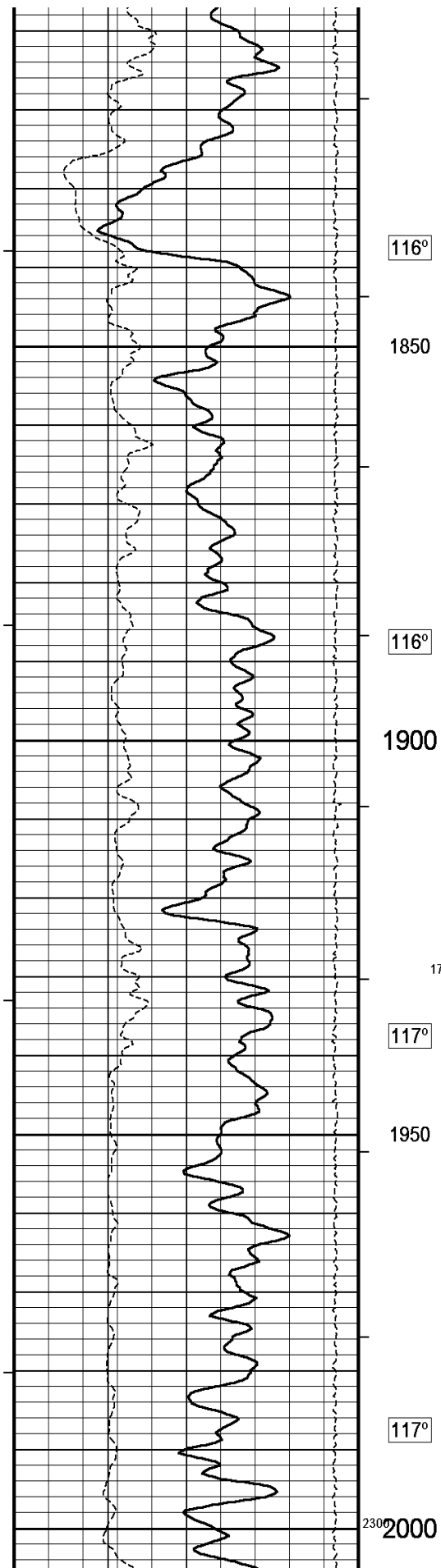
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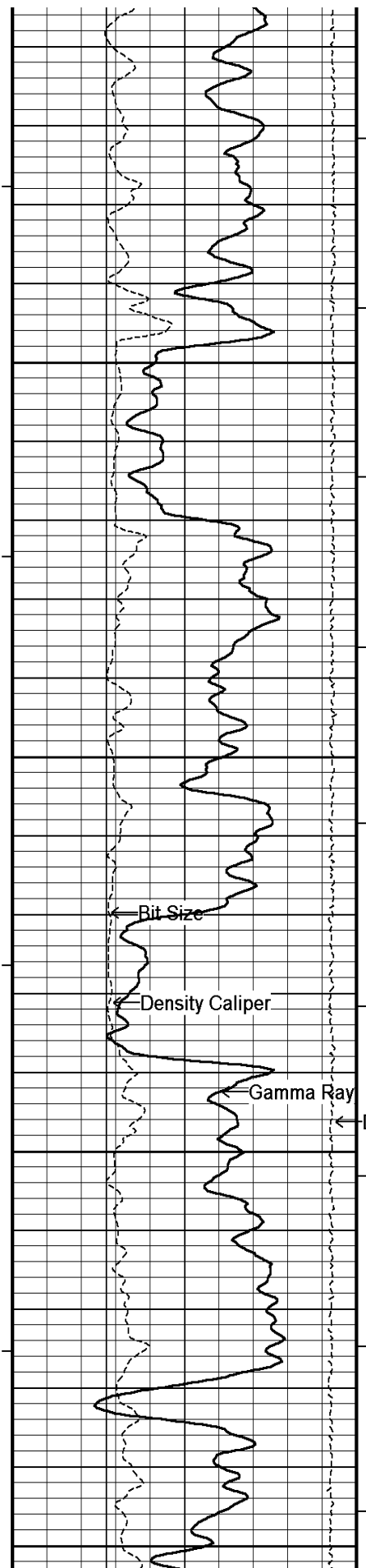












118°

2050

118°

2100

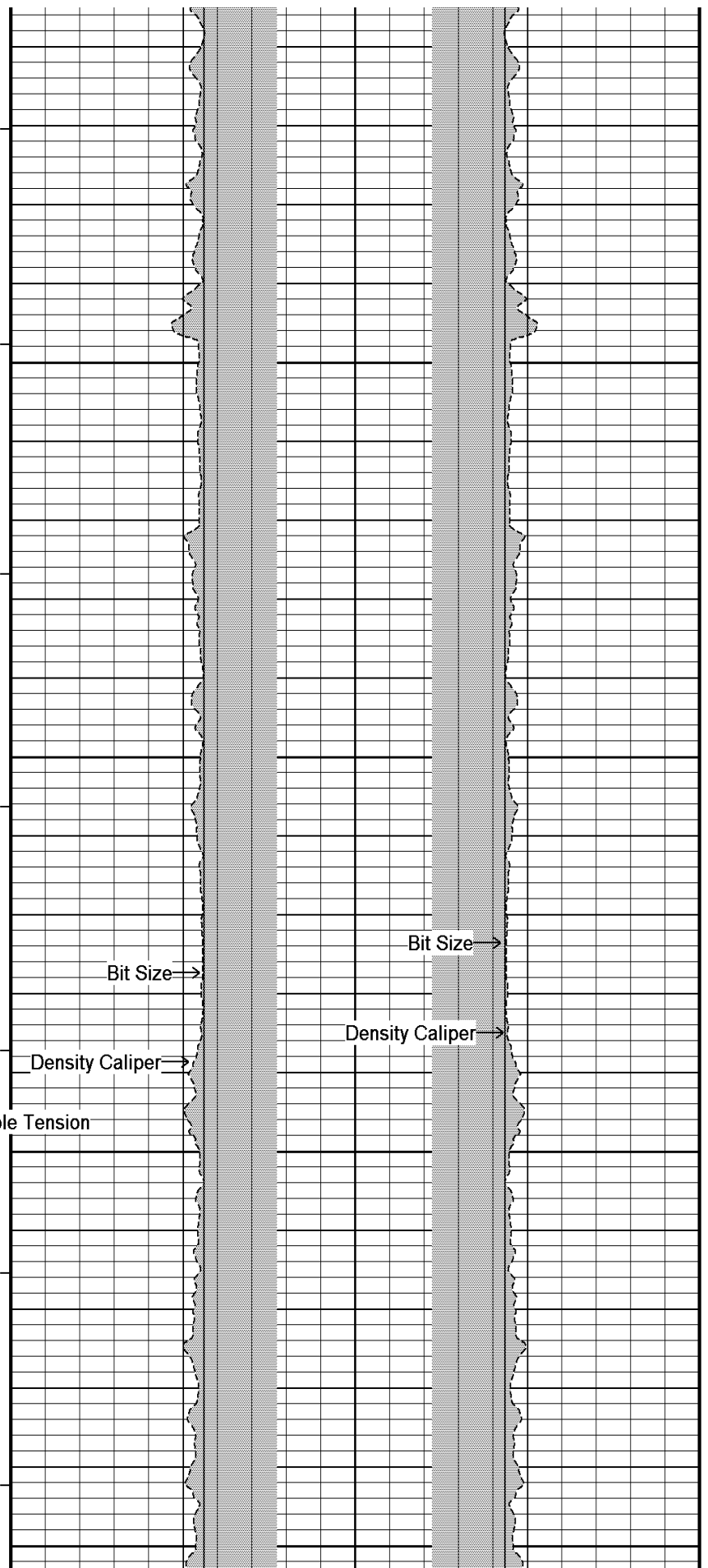
118°

DST Uphole Tension

2150

119°

2200

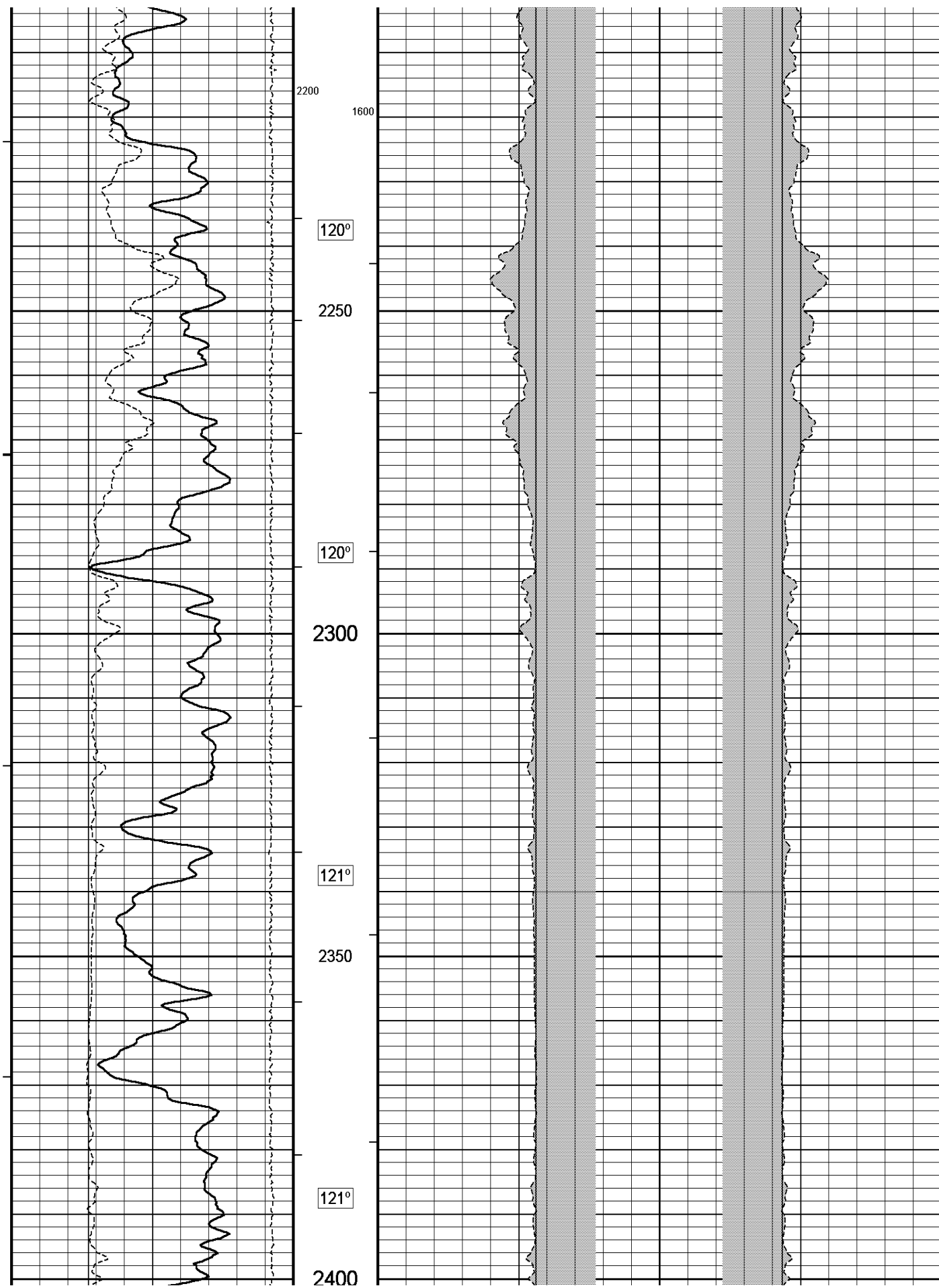


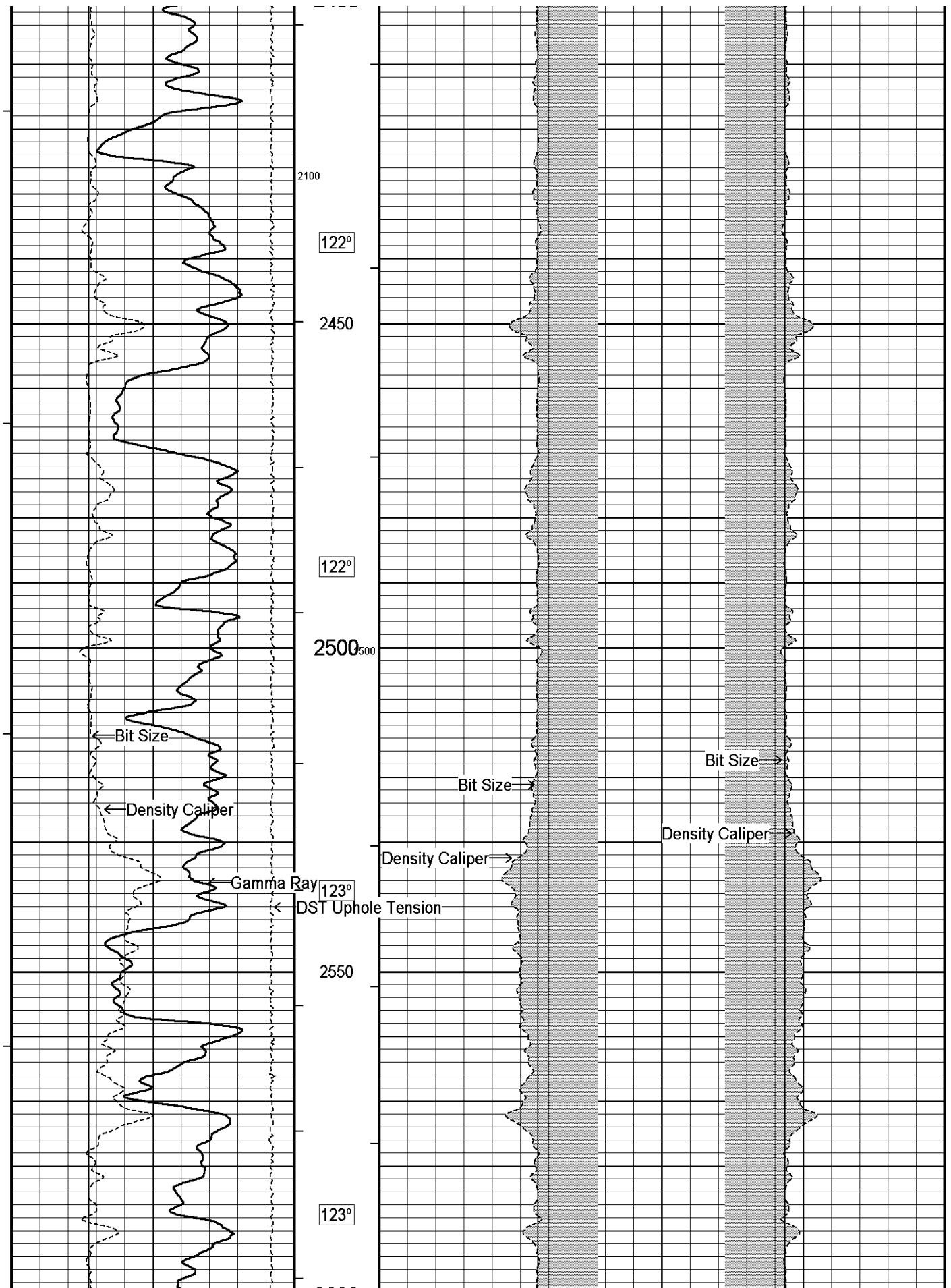
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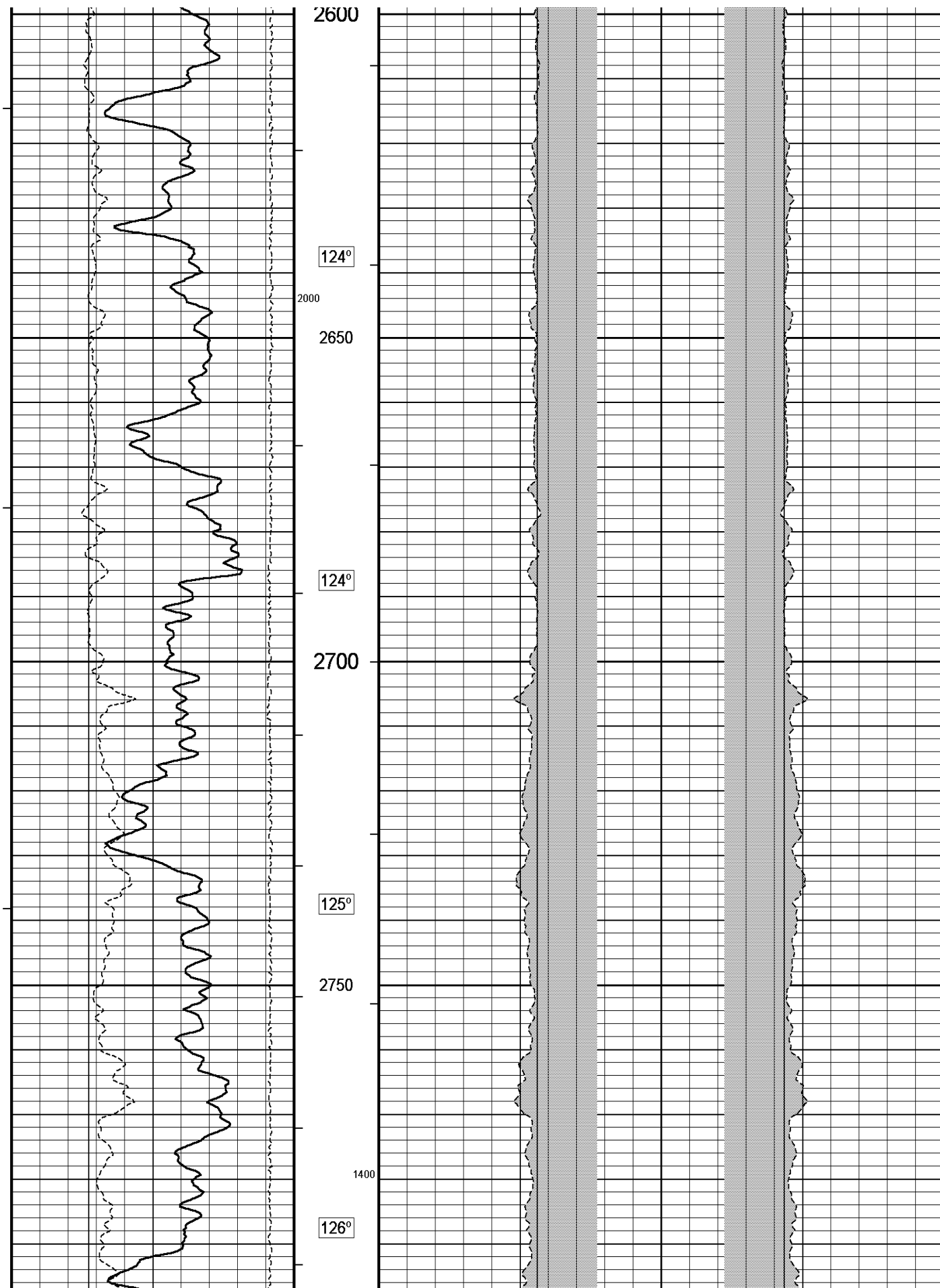
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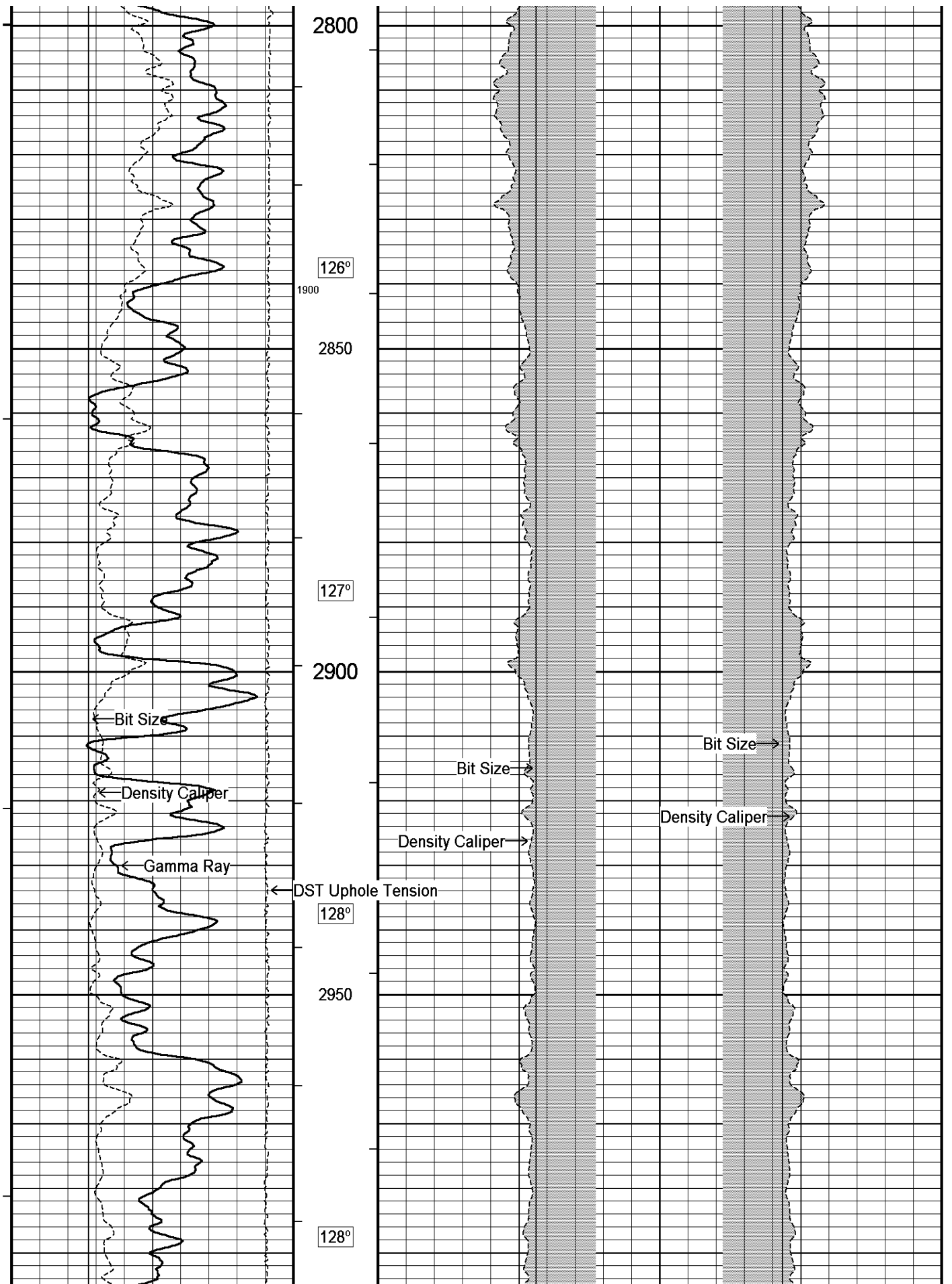
Density Caliper

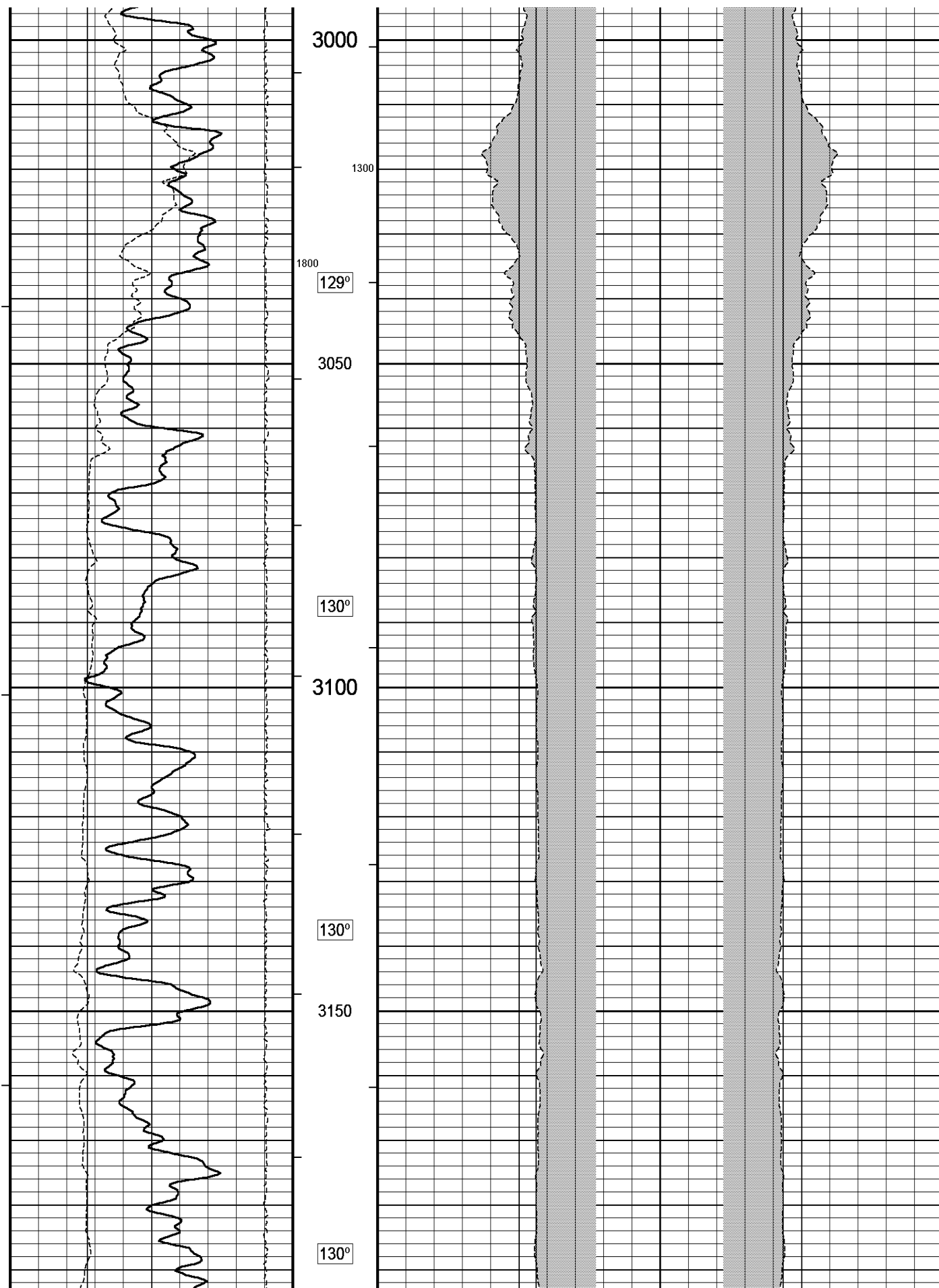
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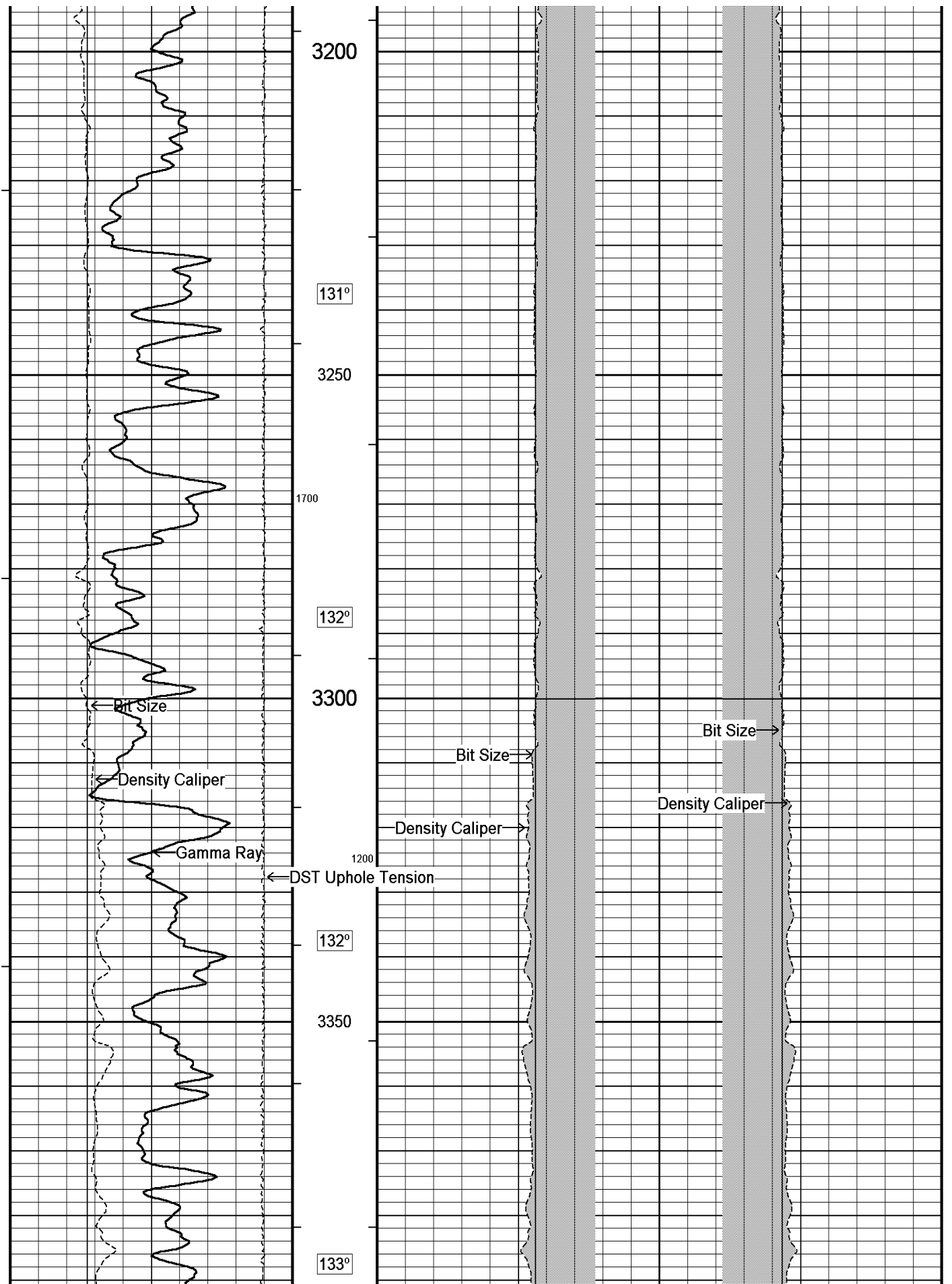


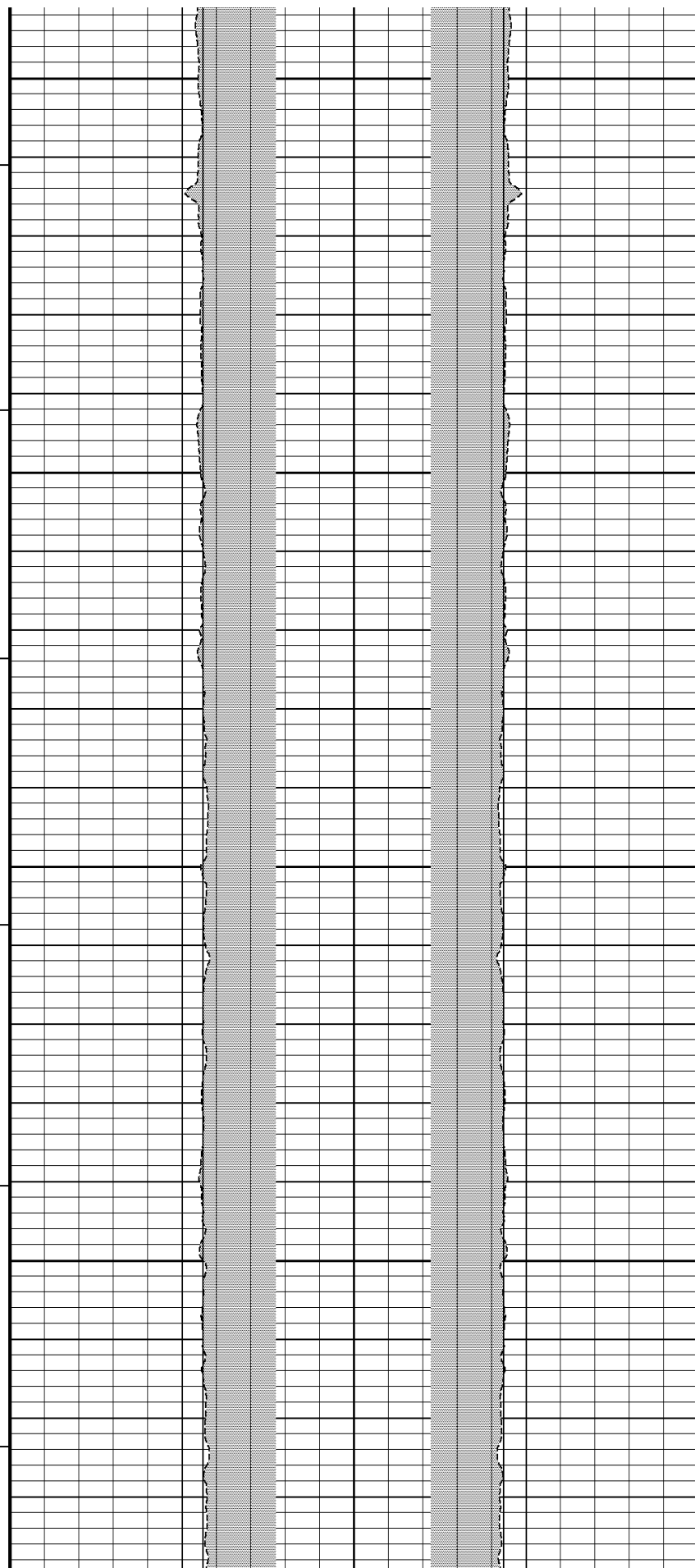
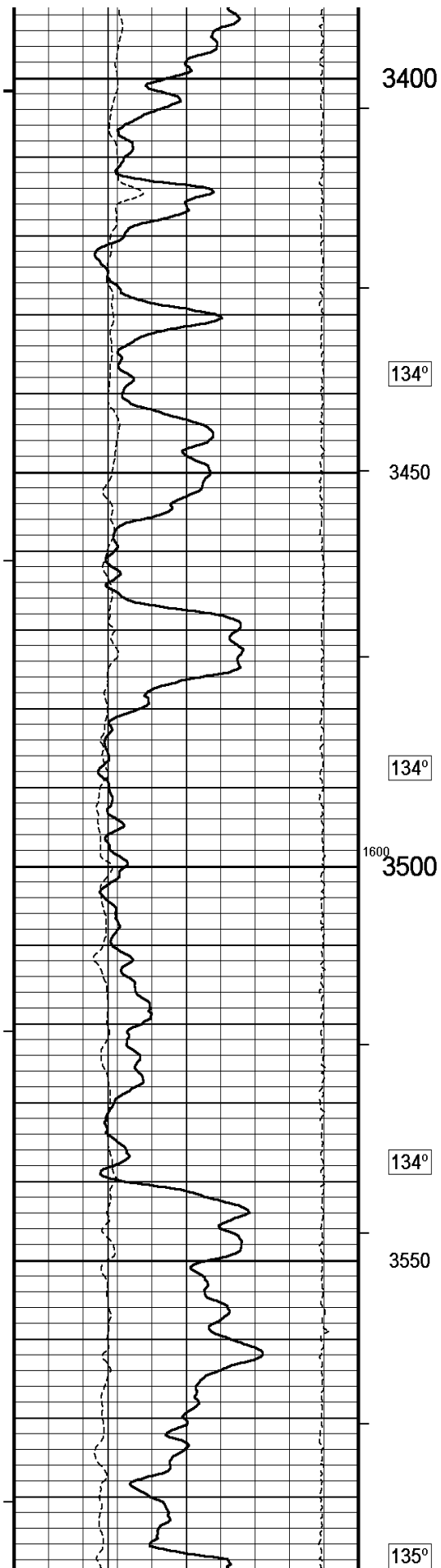


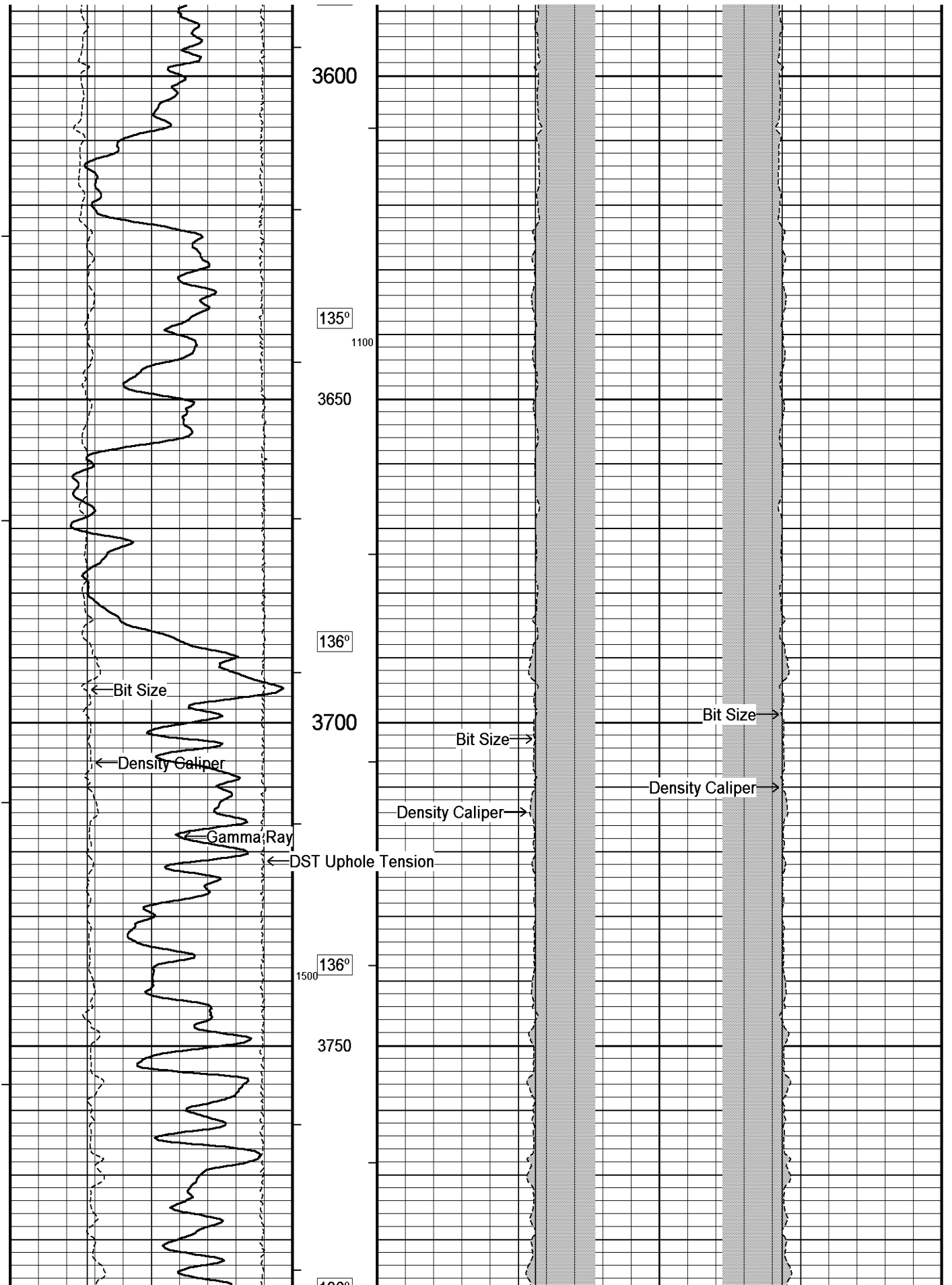


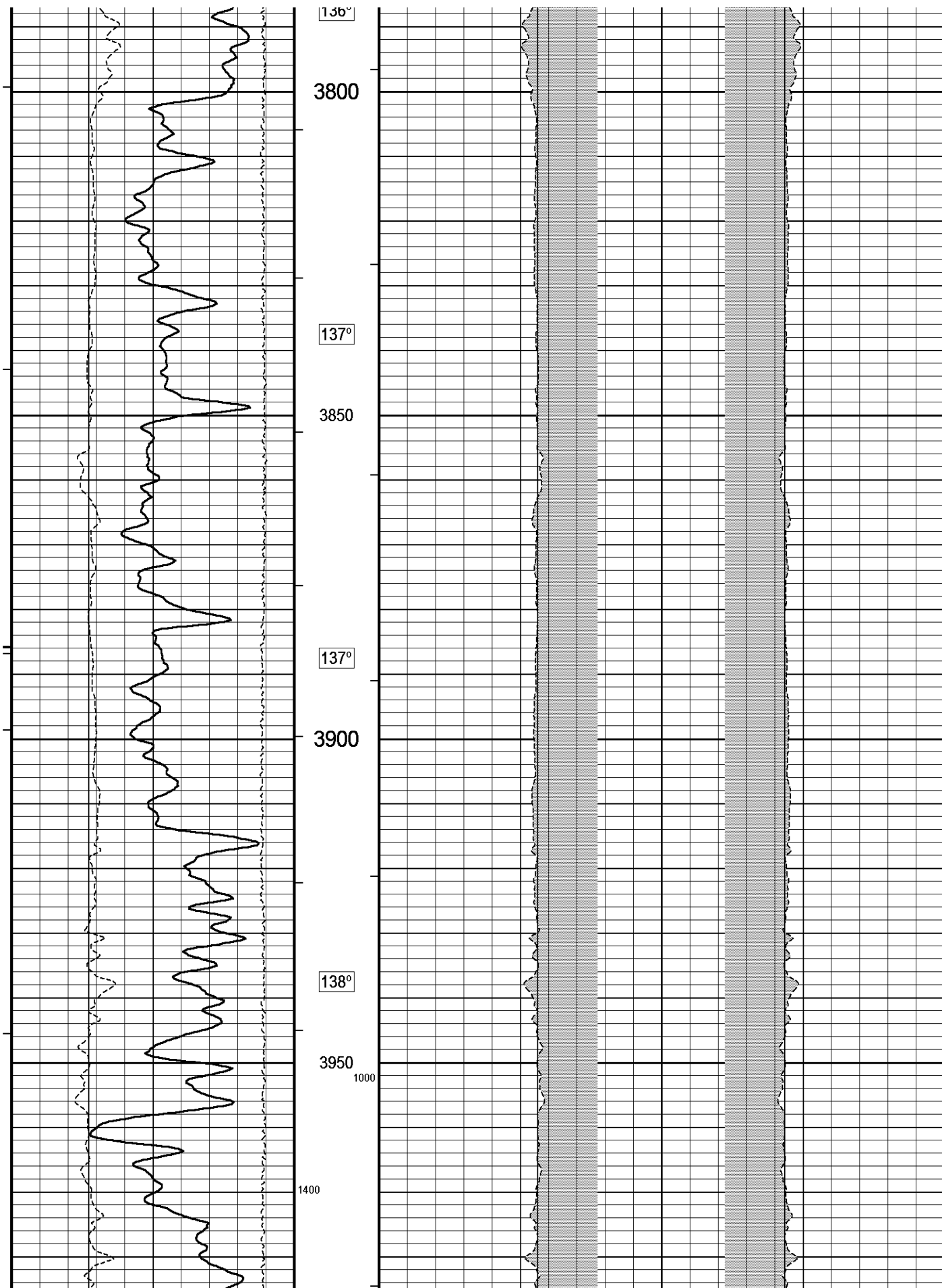


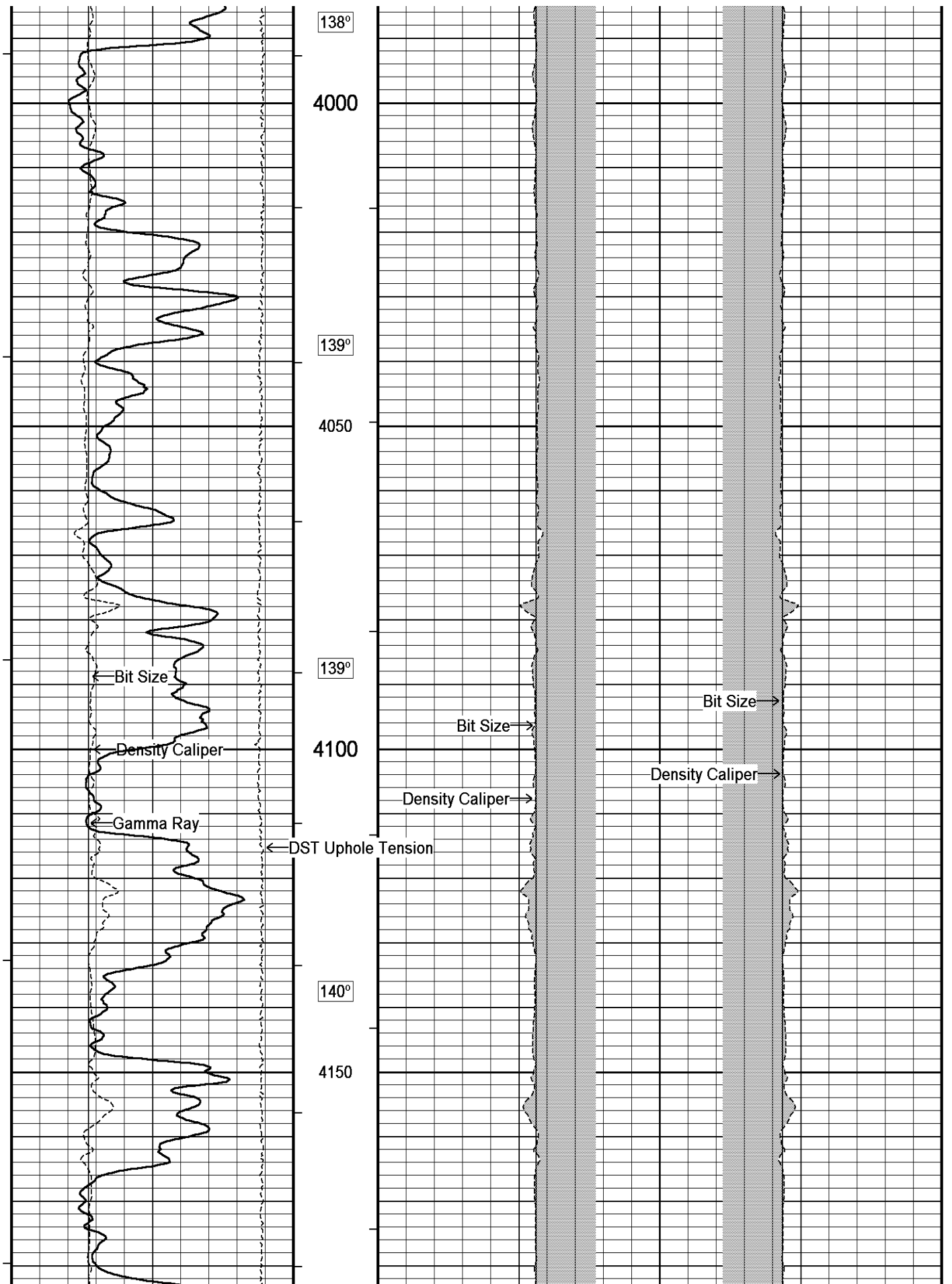


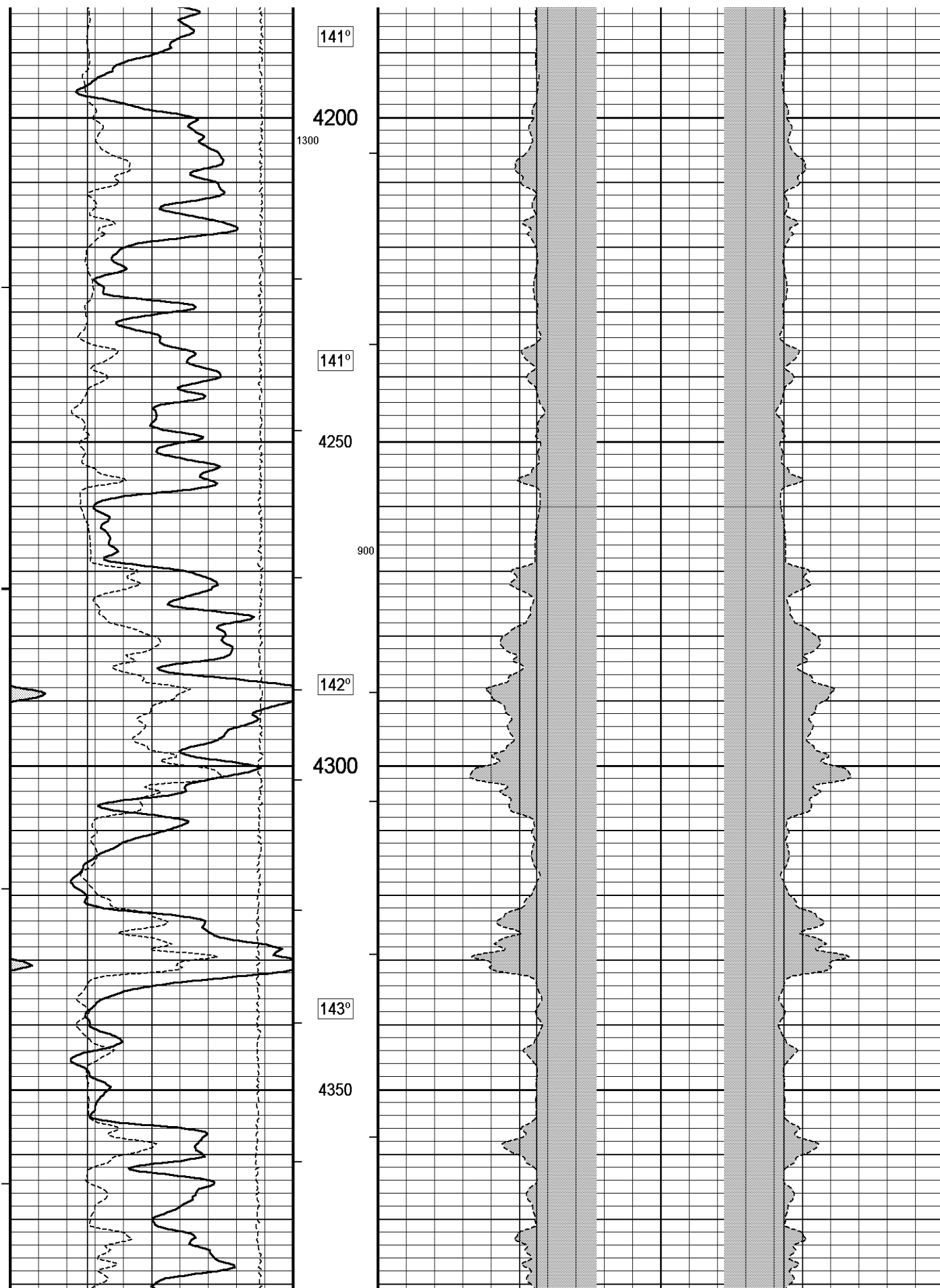


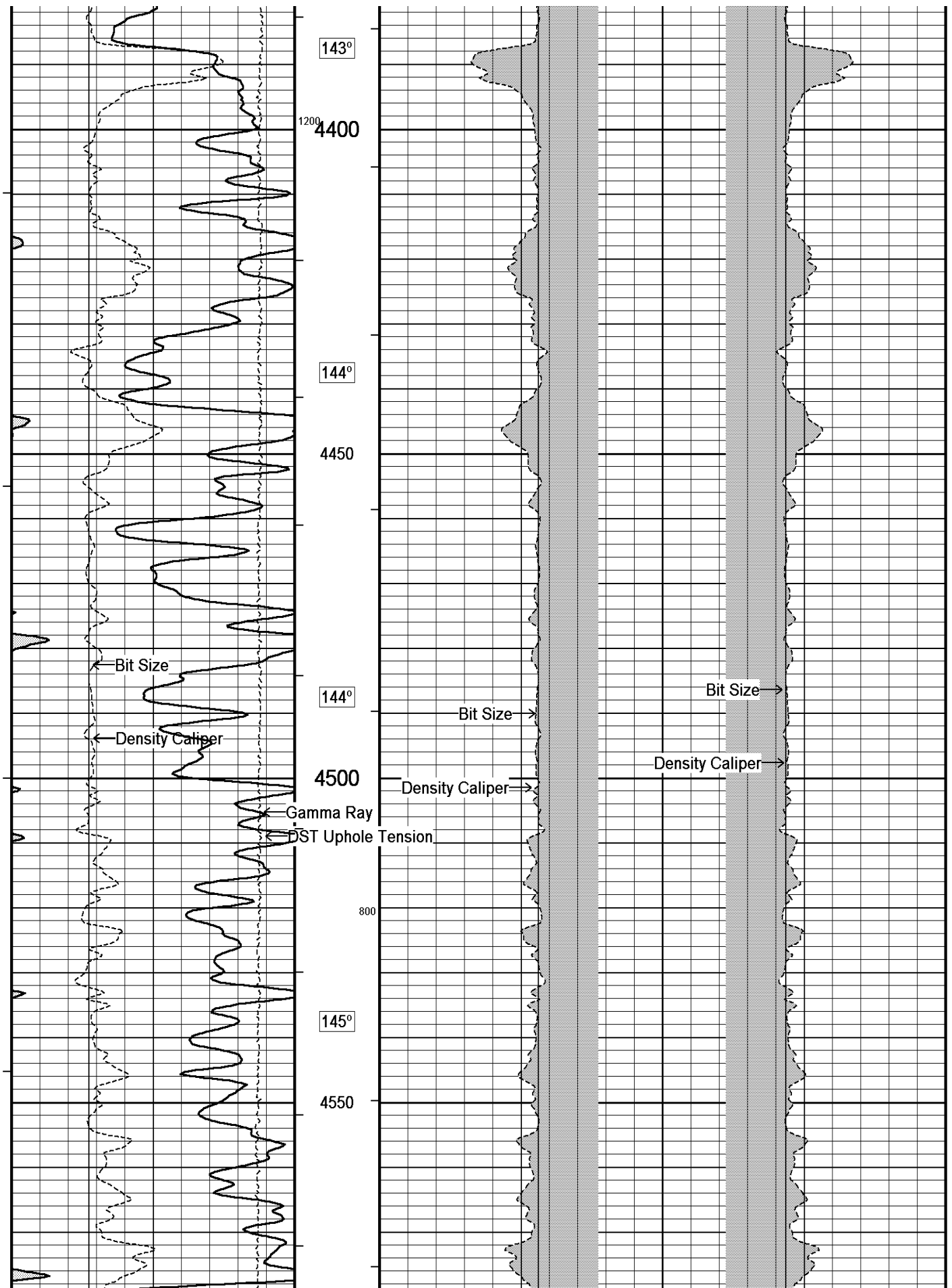


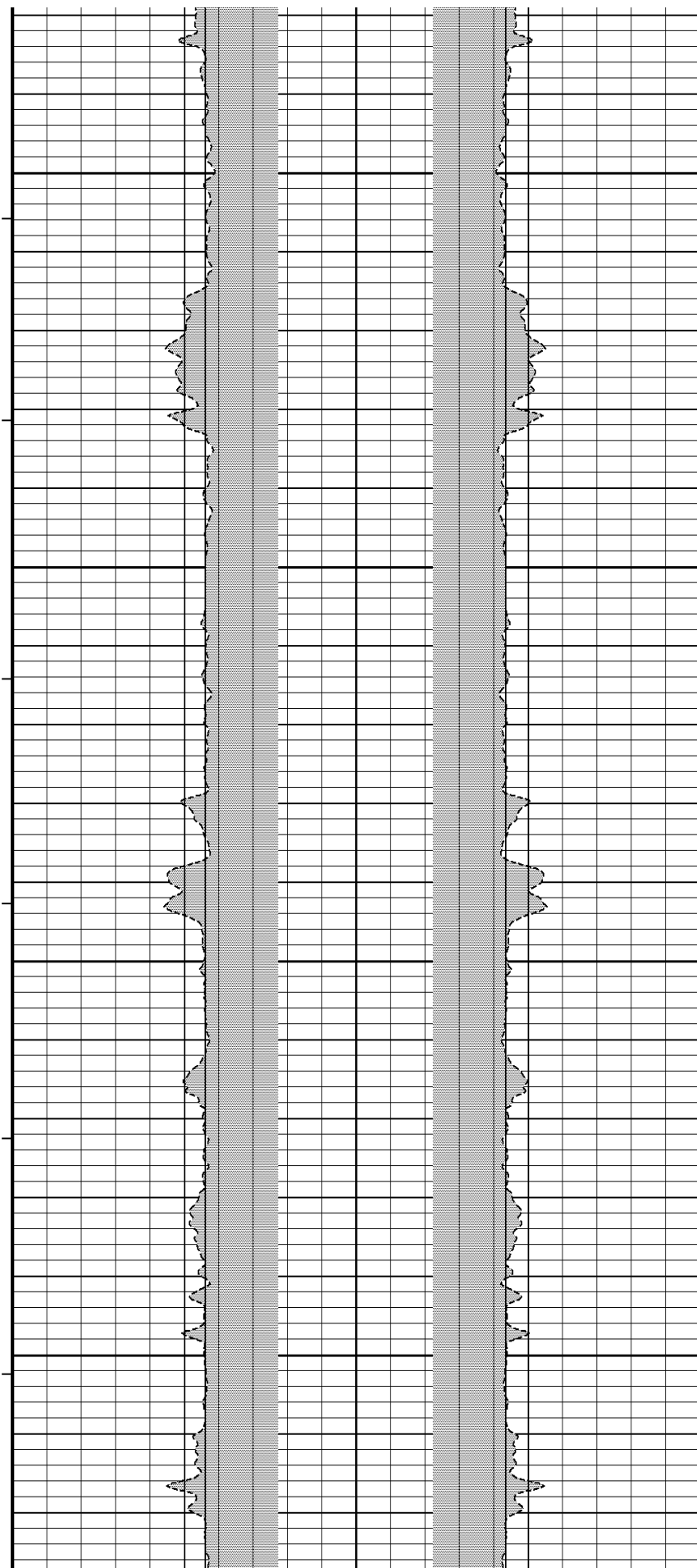
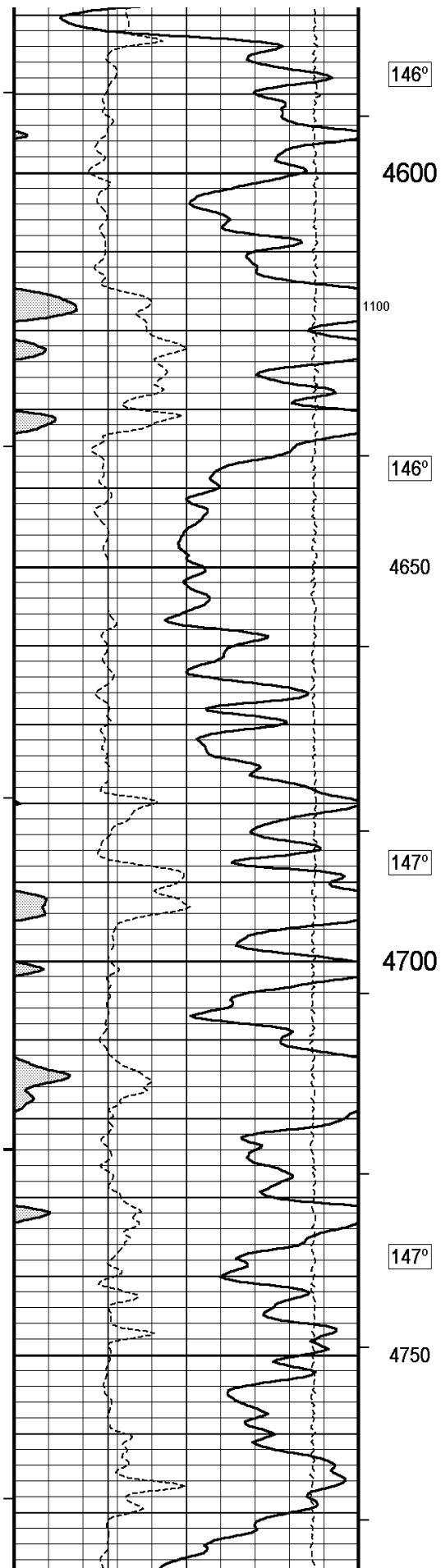


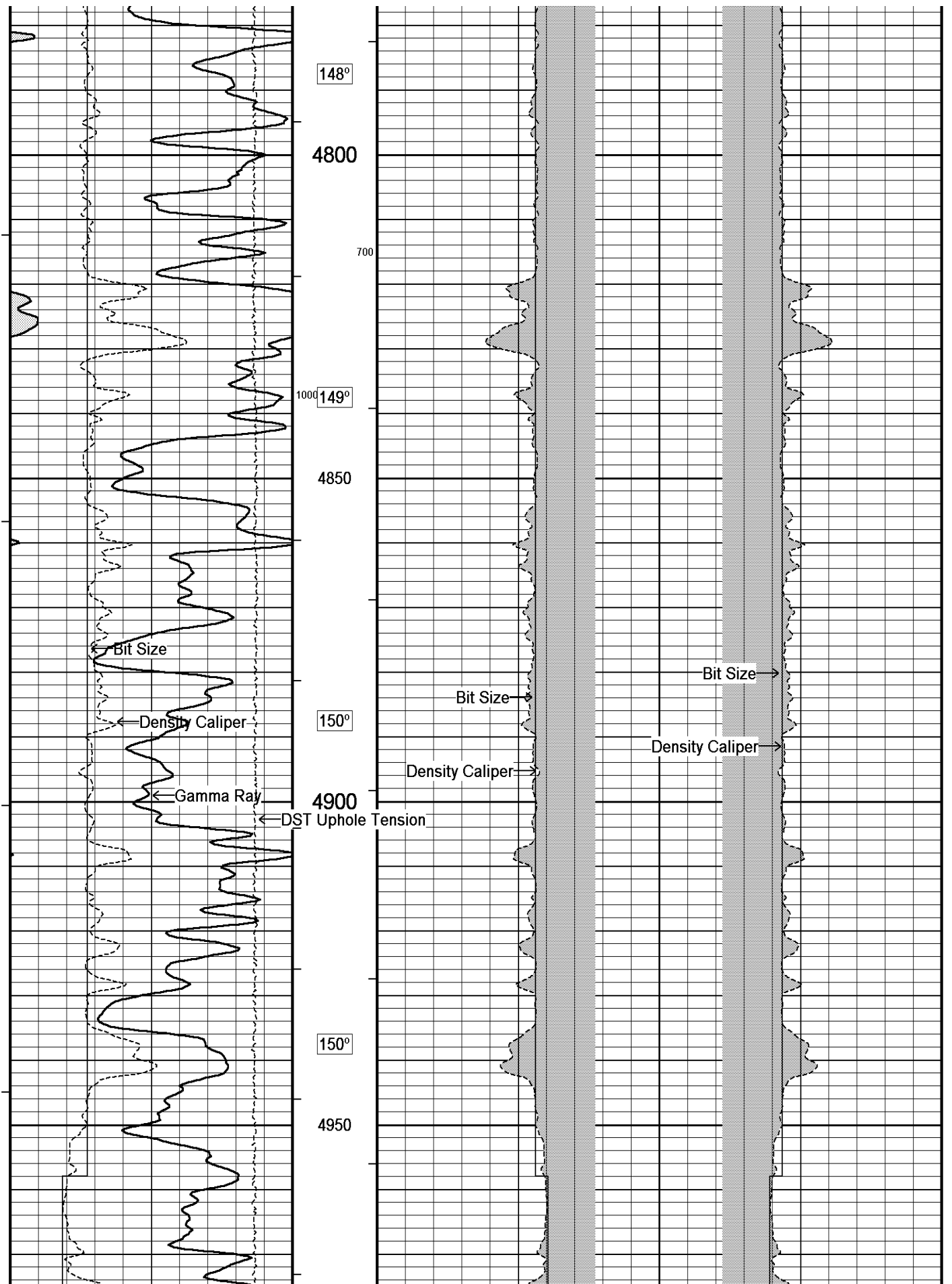


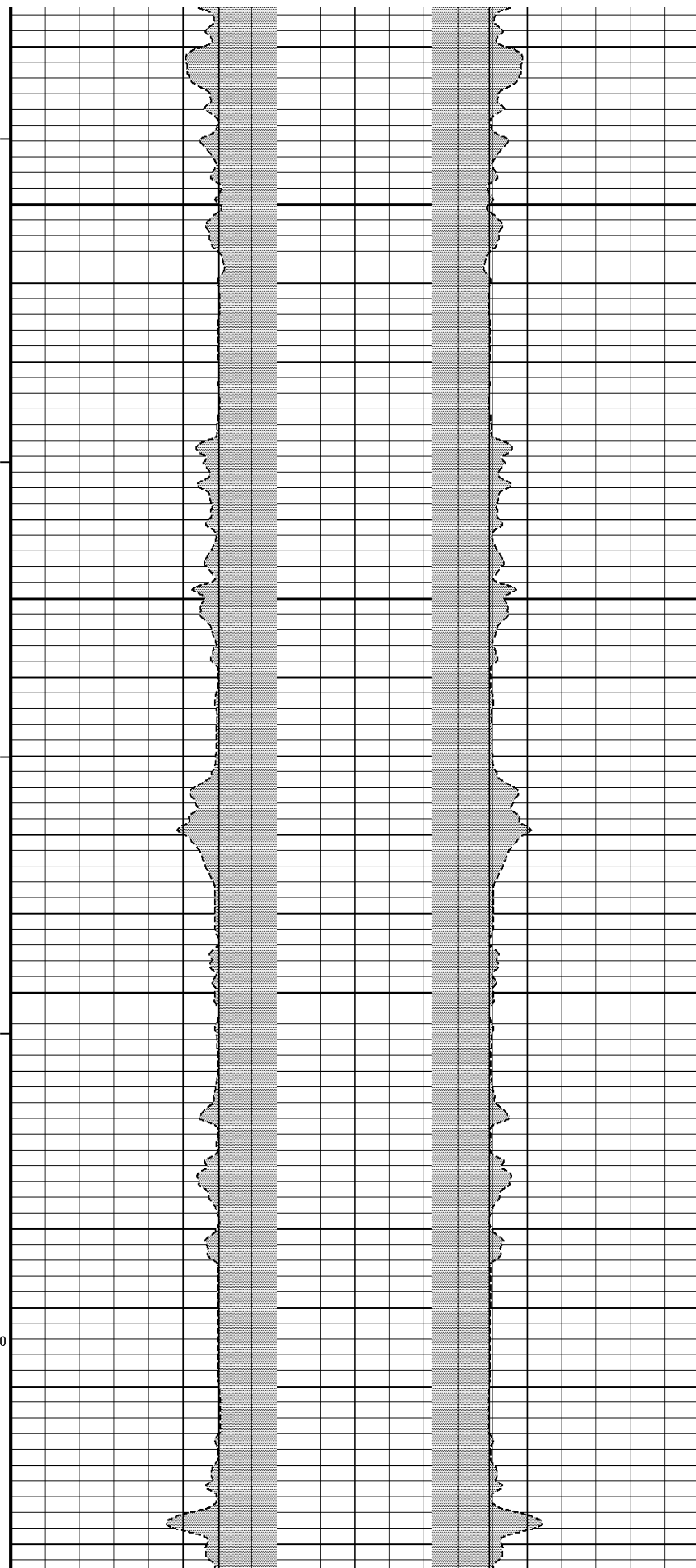
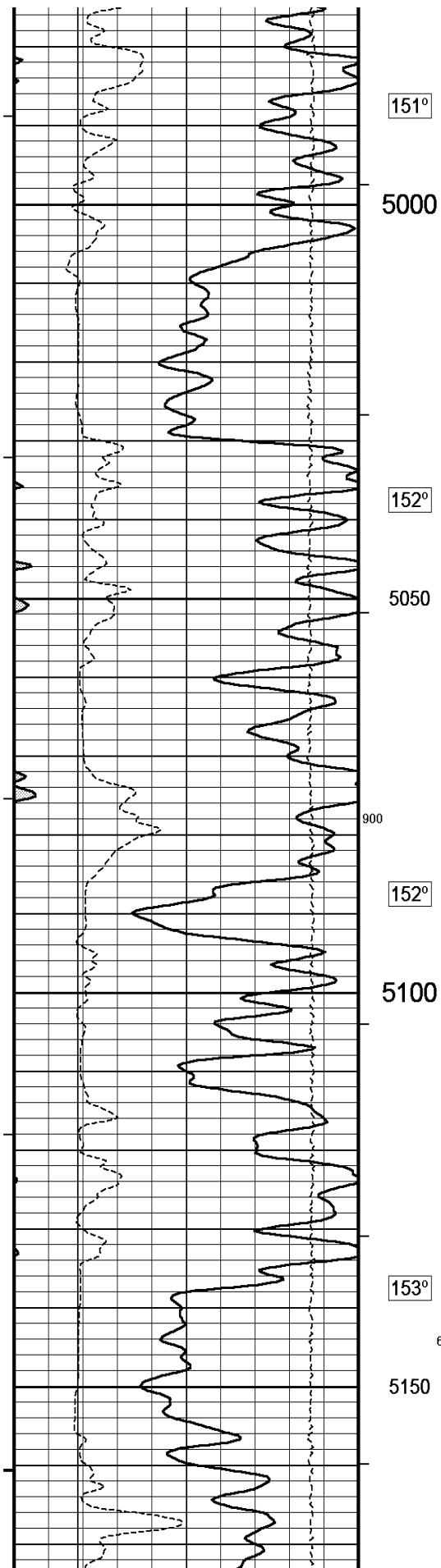


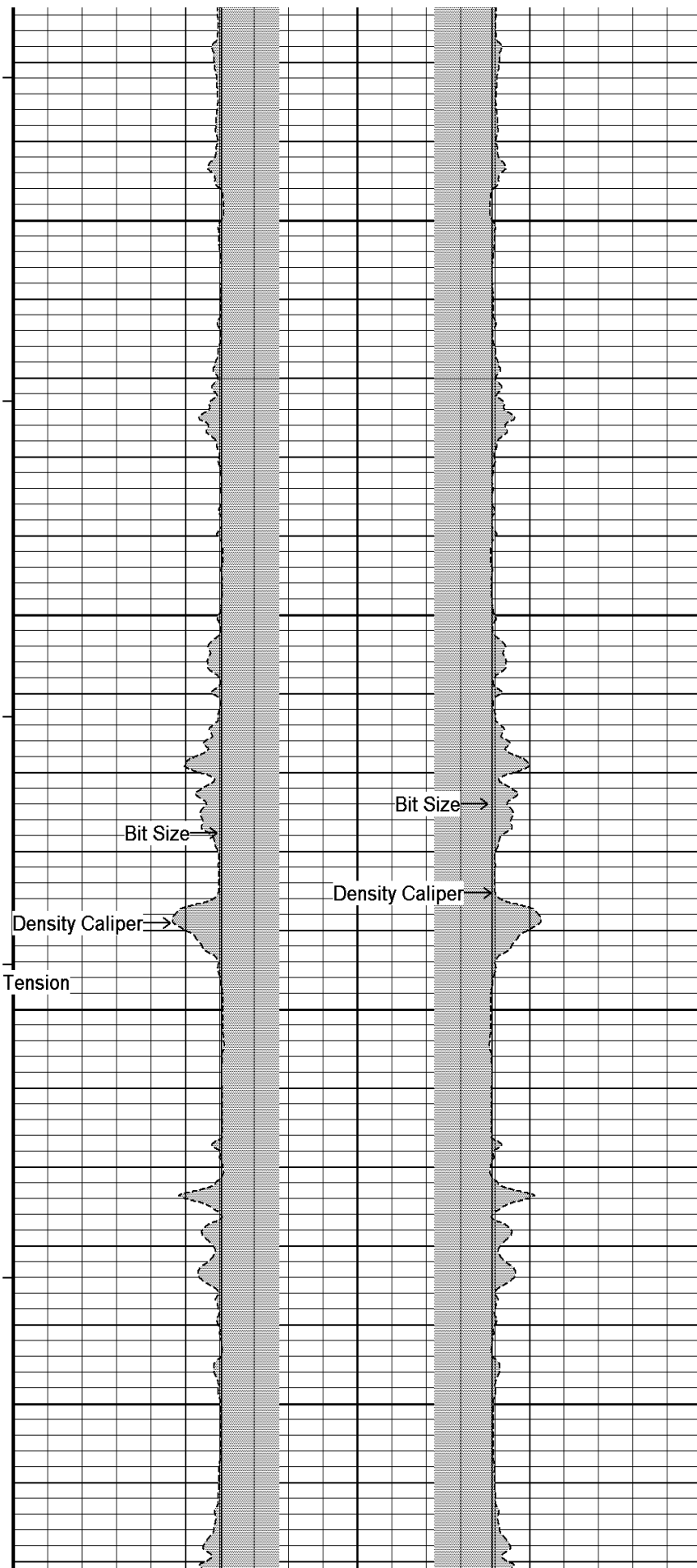
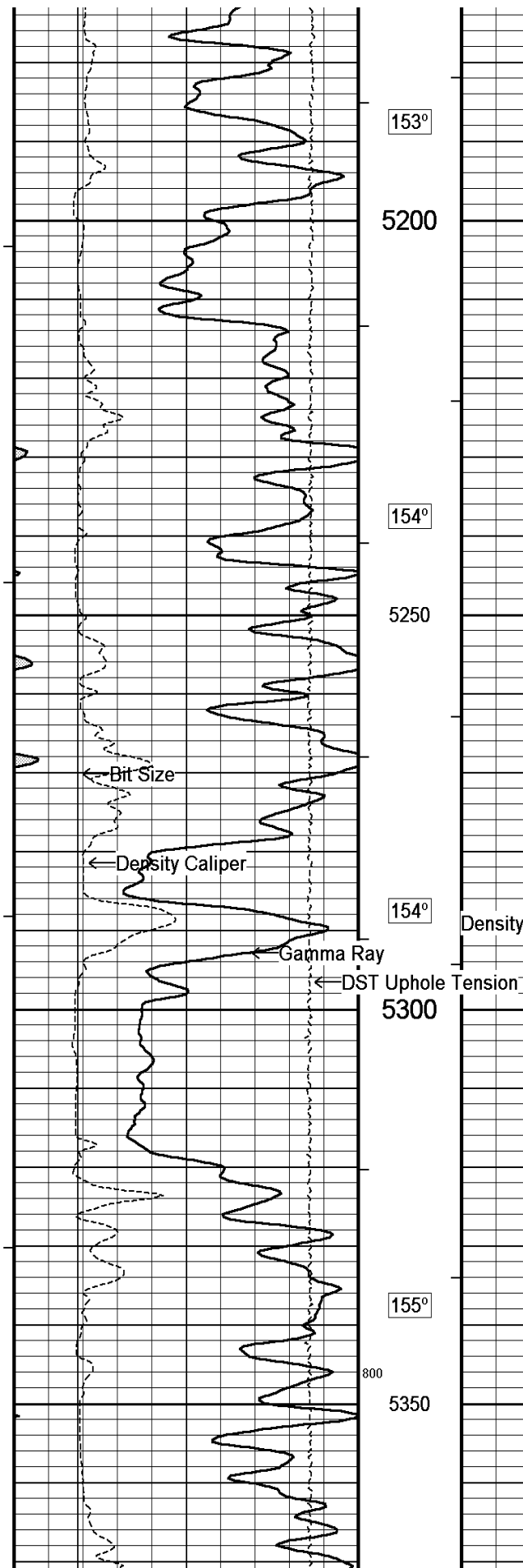


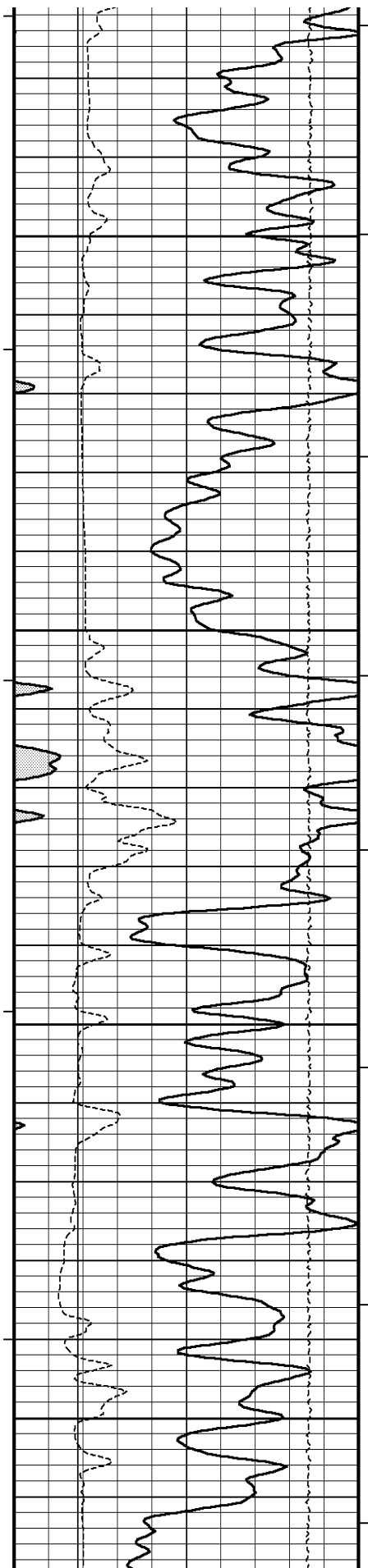












155°

5400

156°

5450

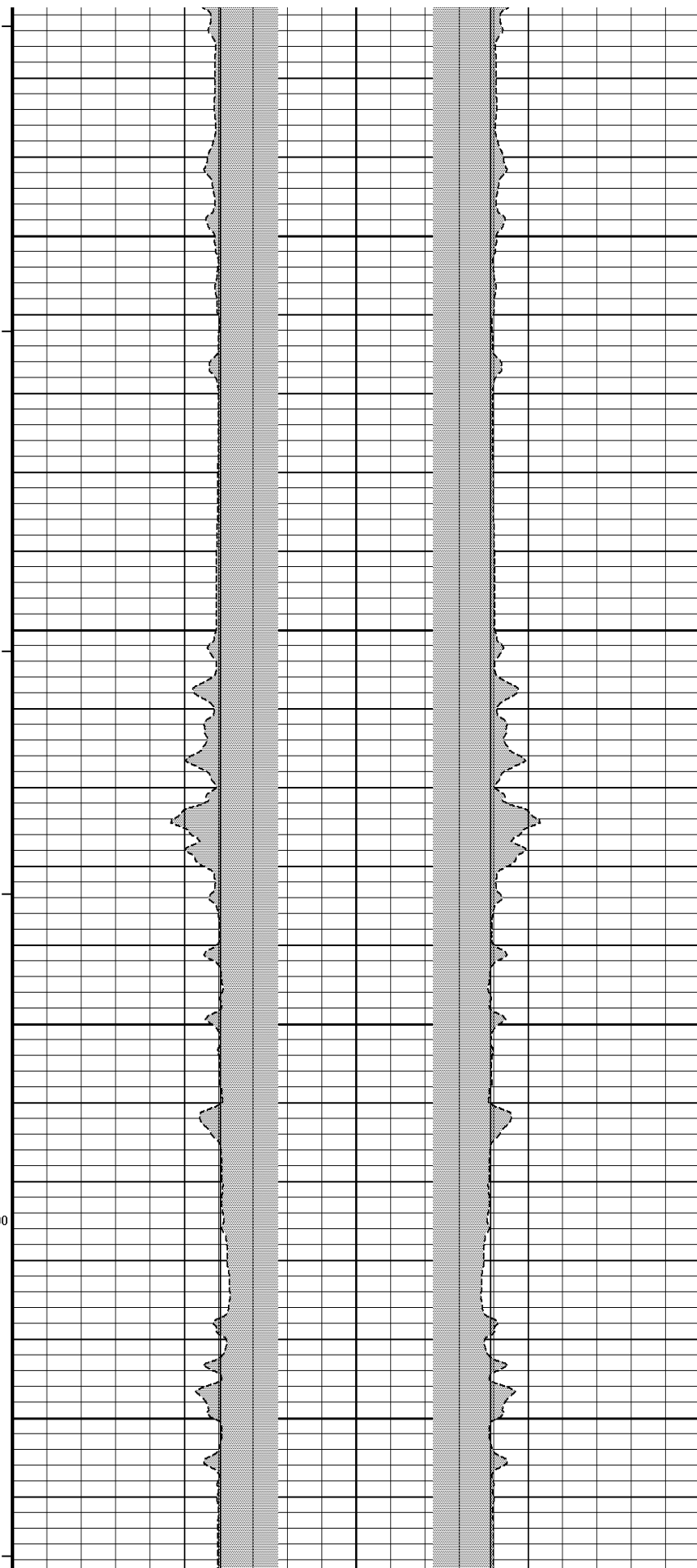
157°

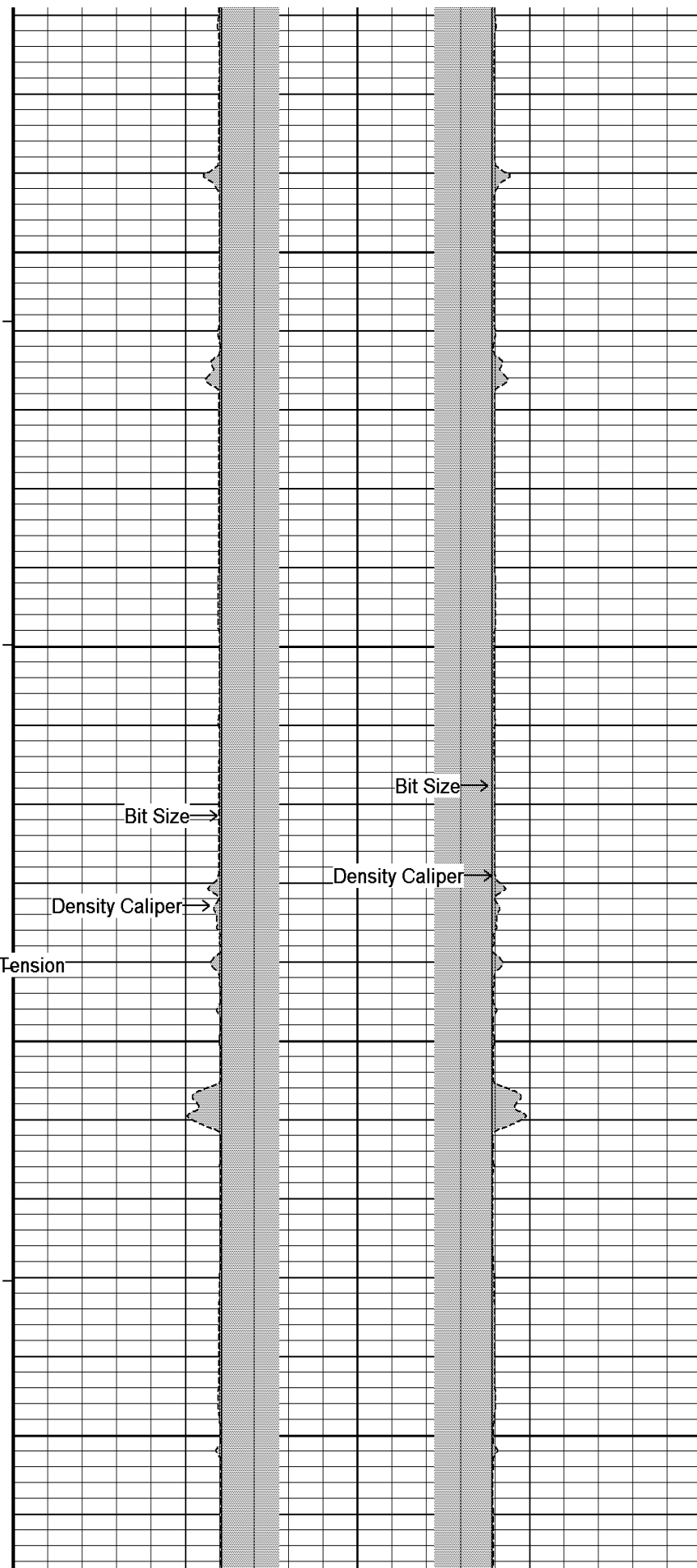
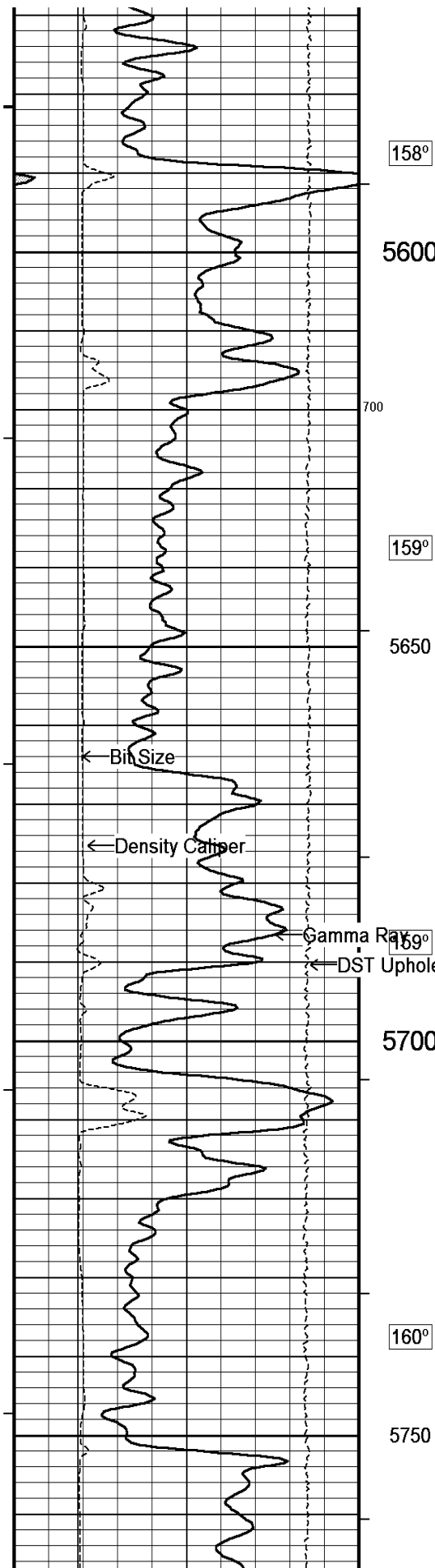
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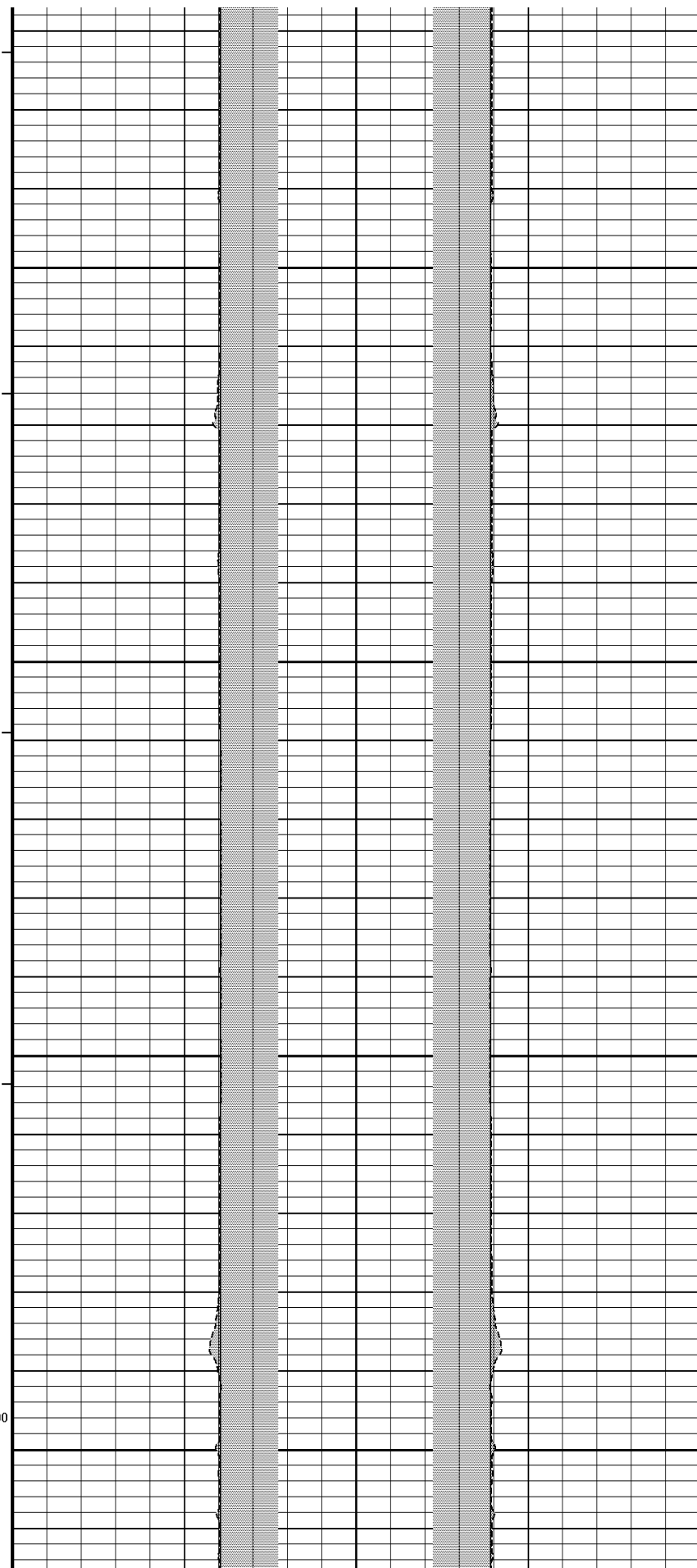
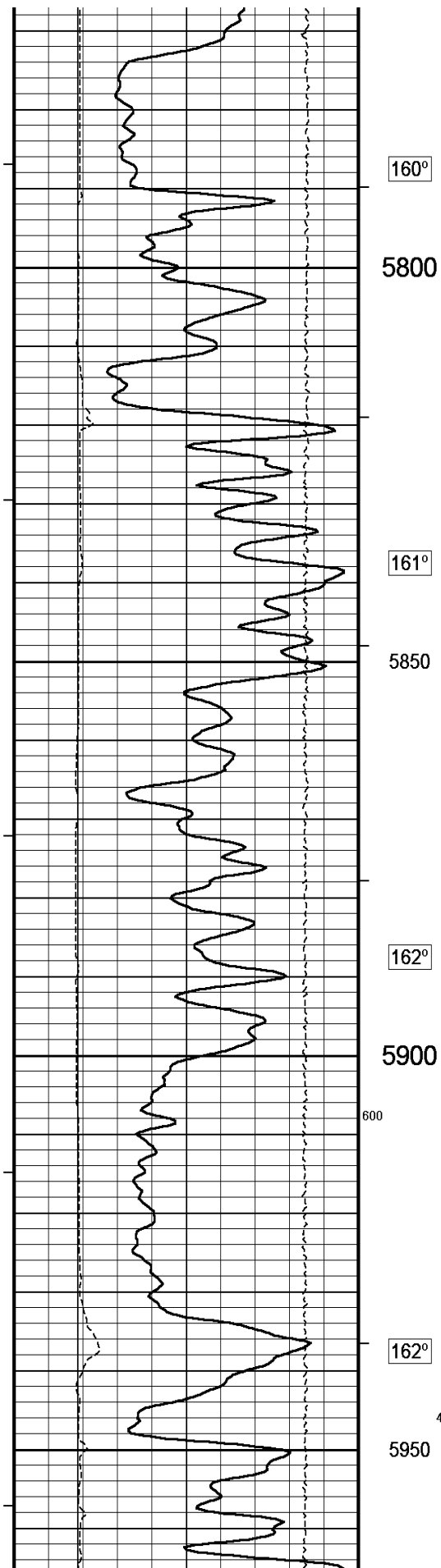
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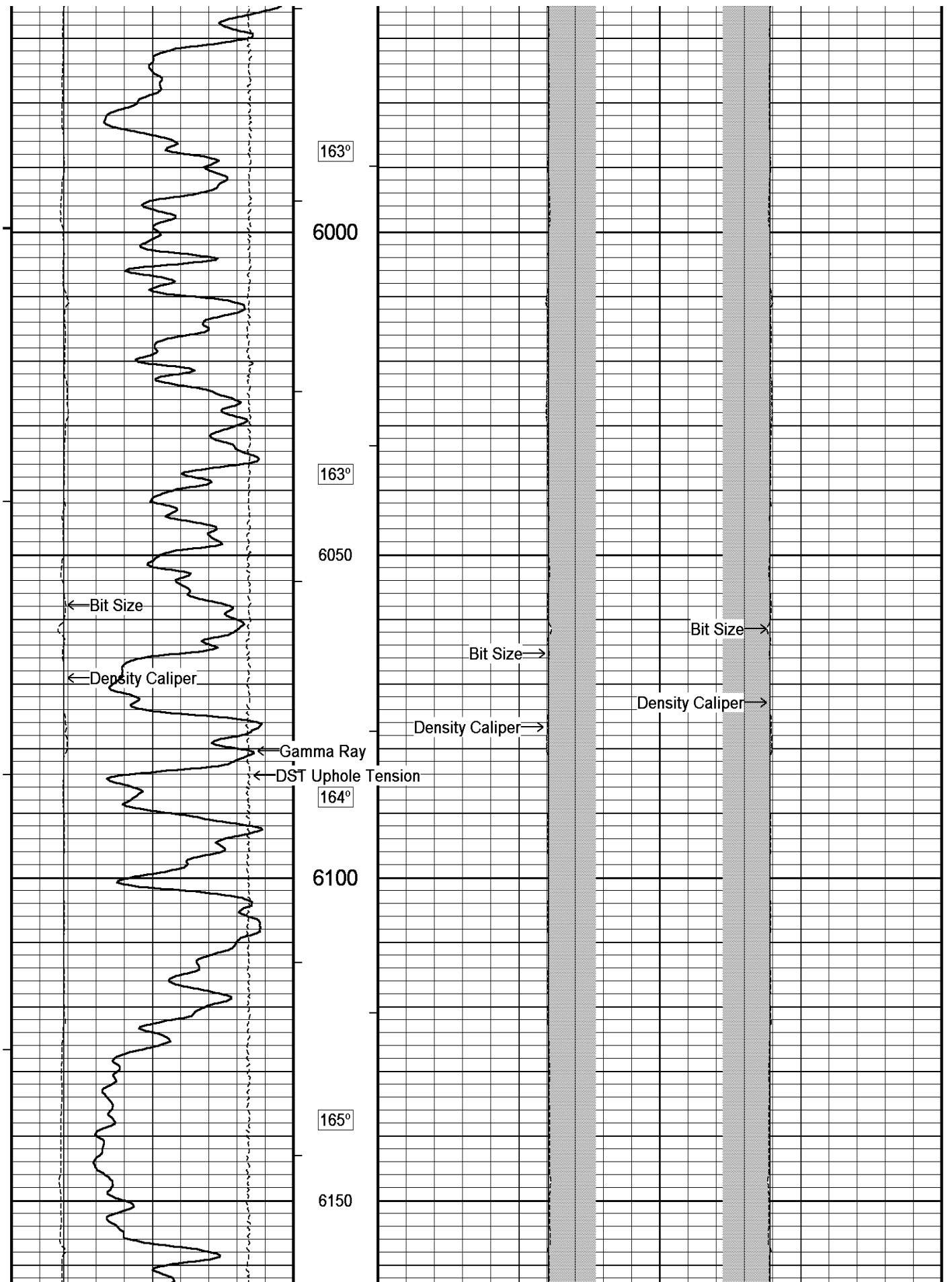
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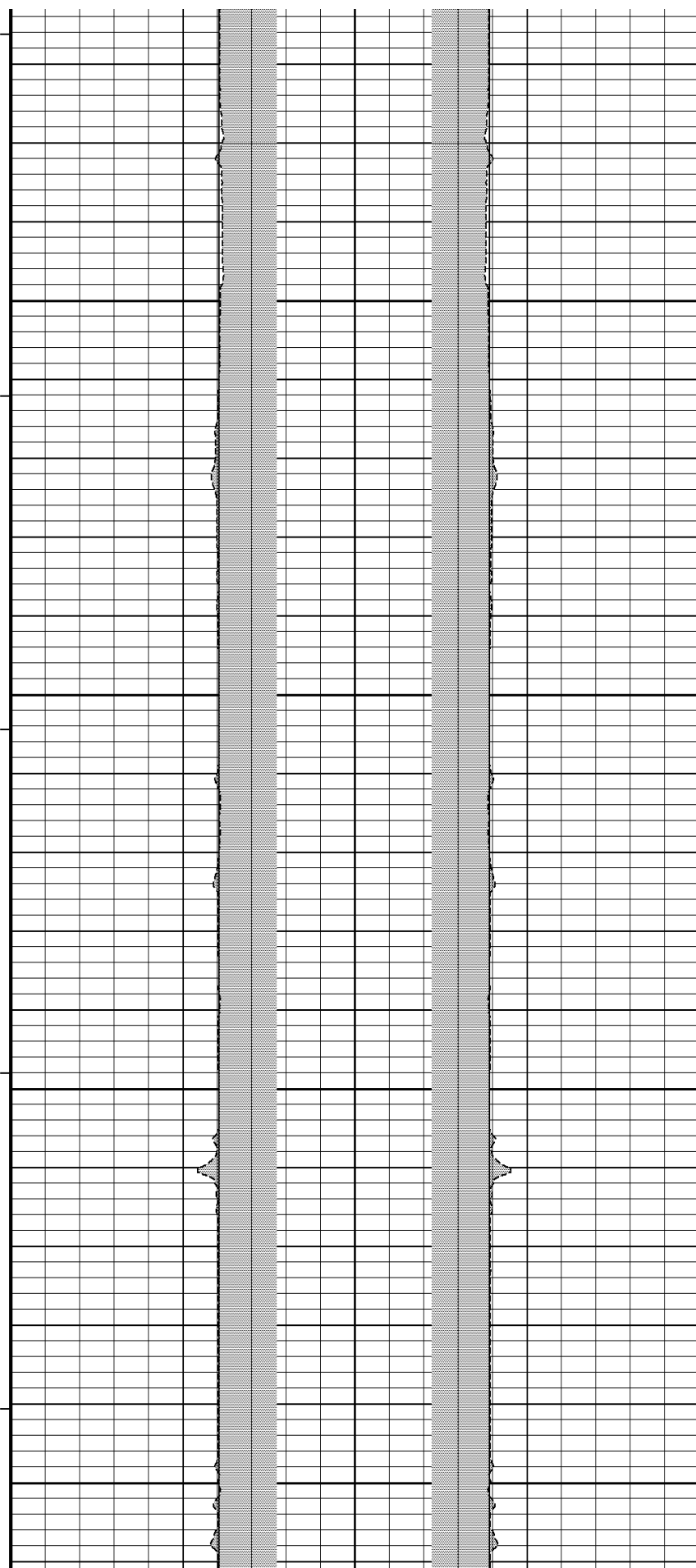
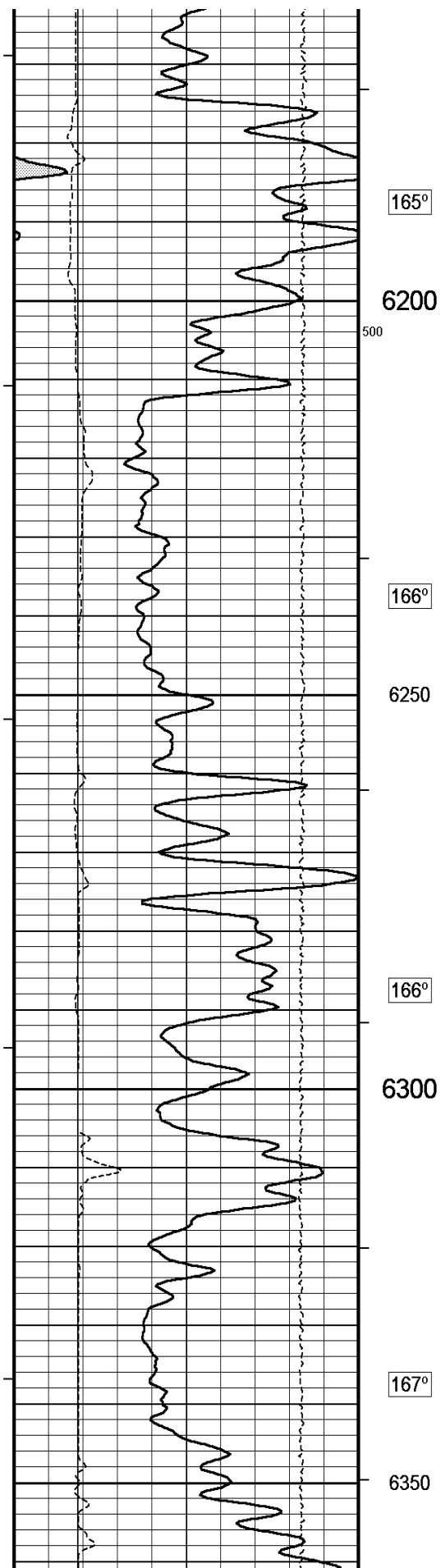
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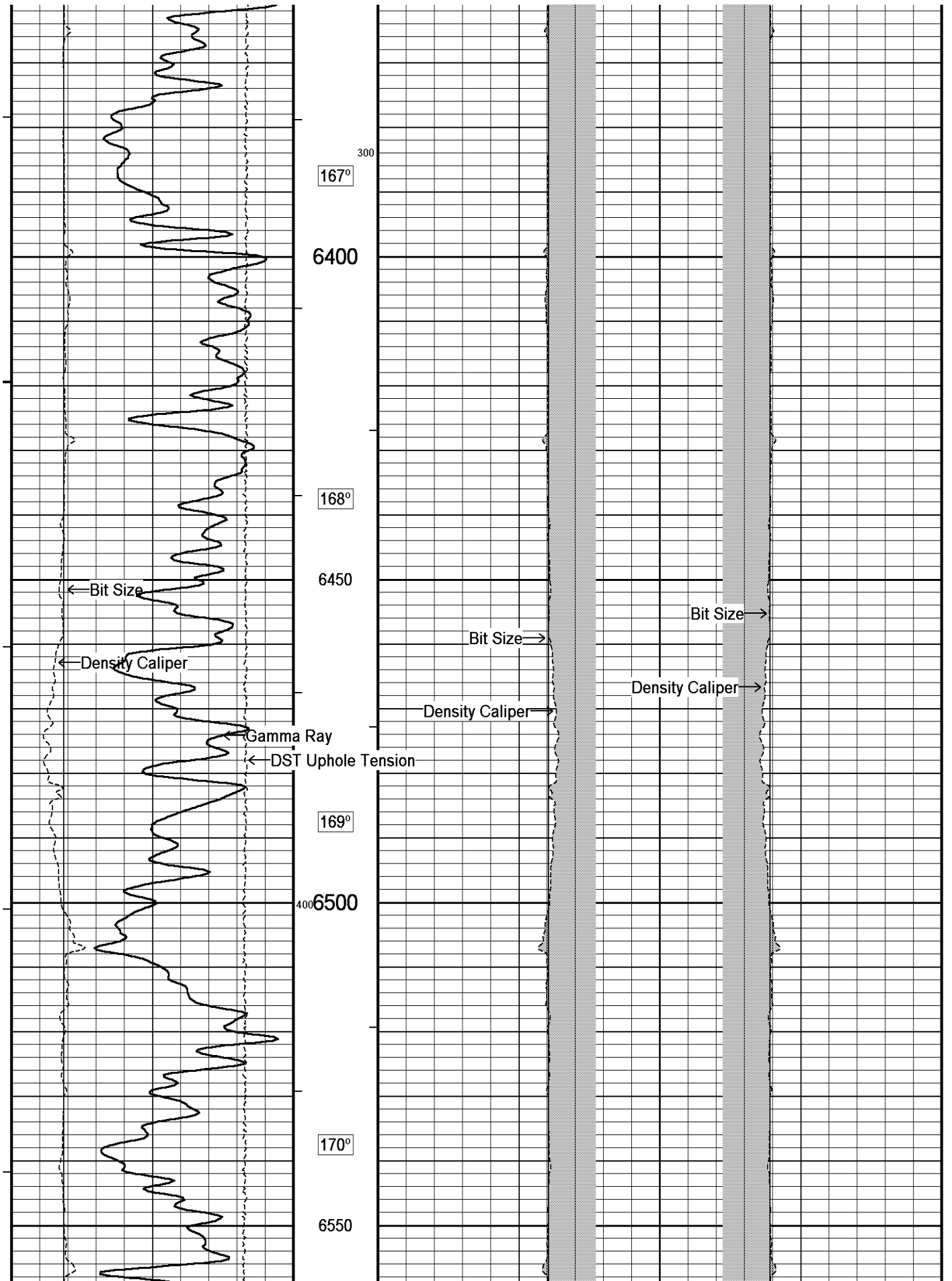


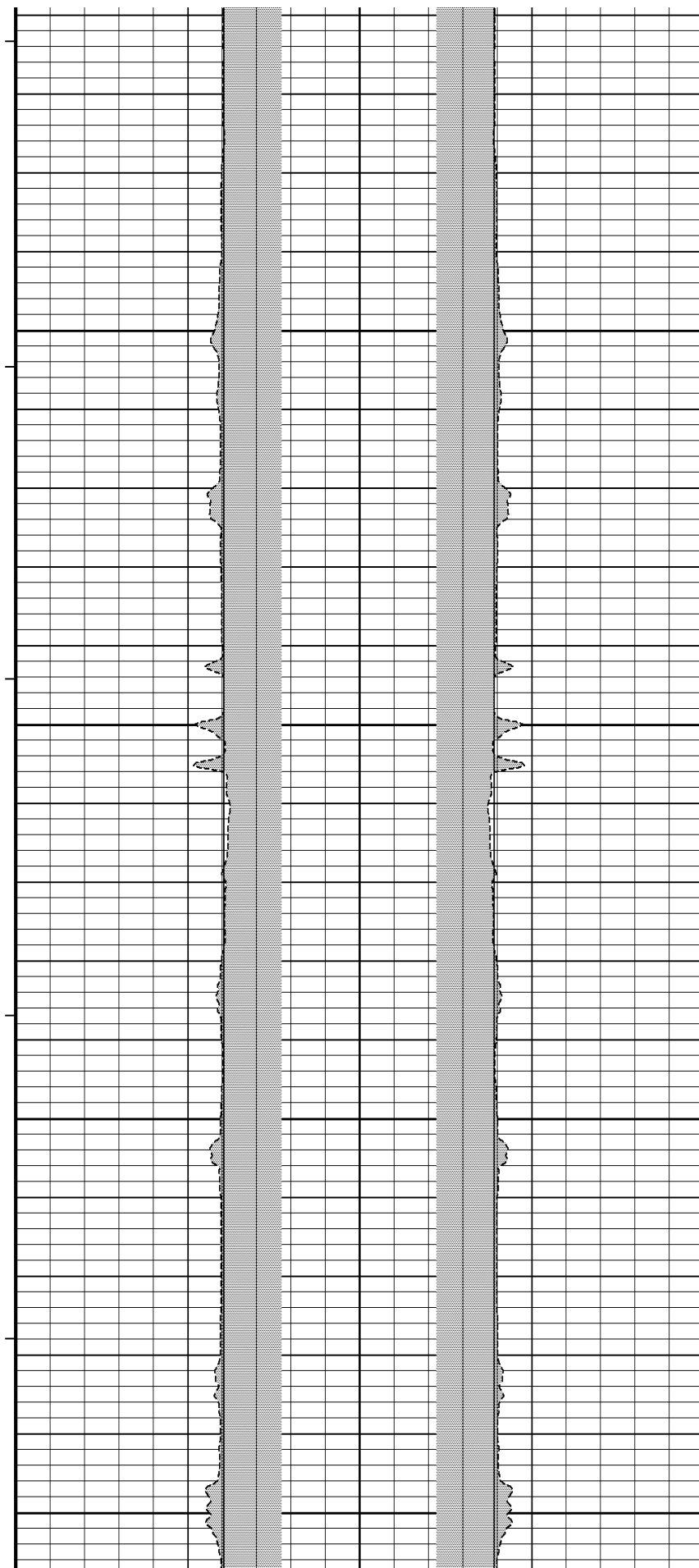
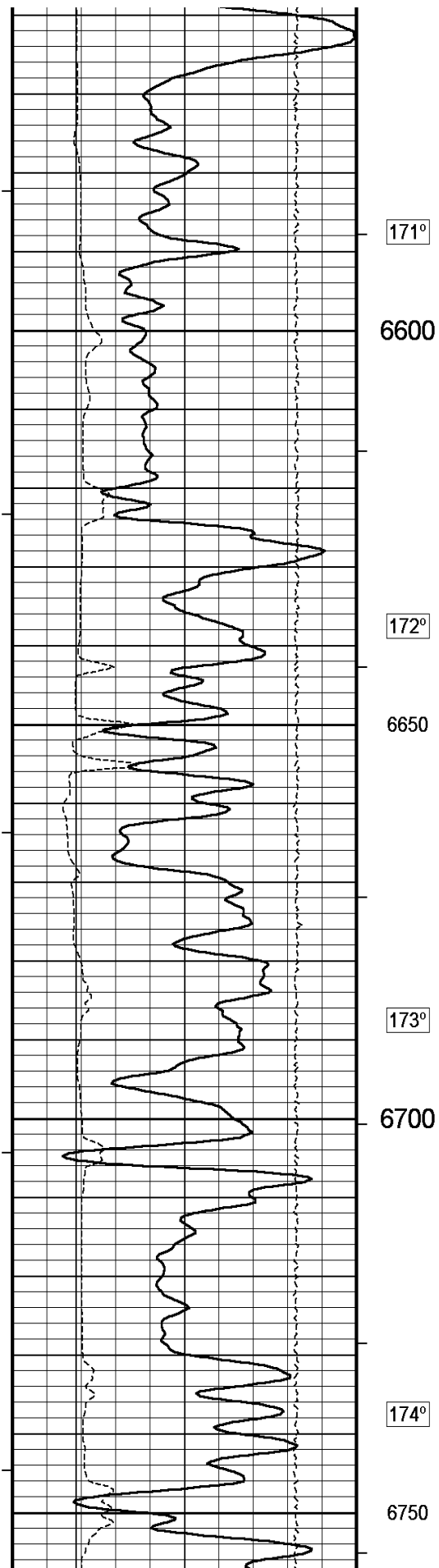


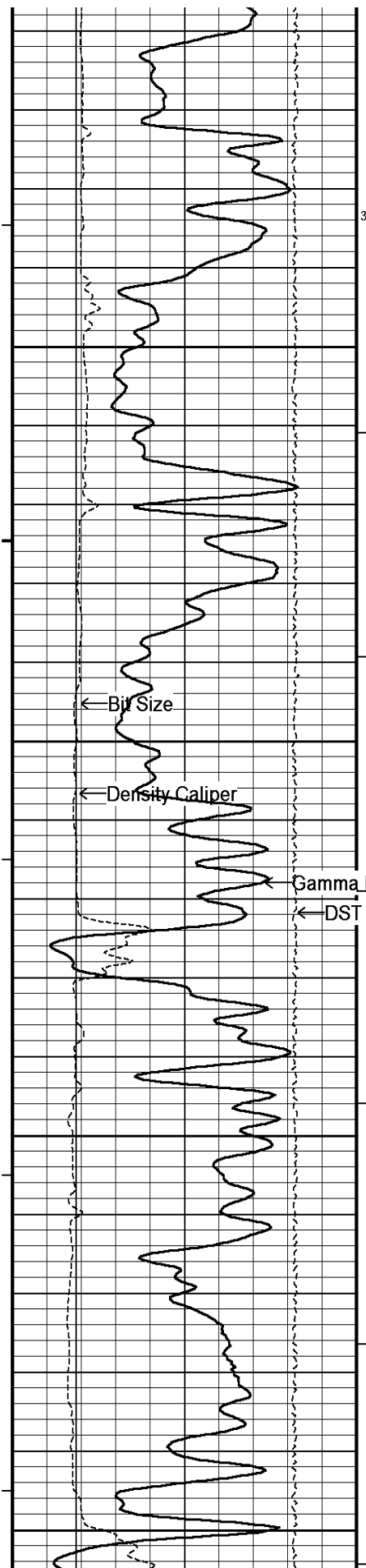












174°

6800

174°

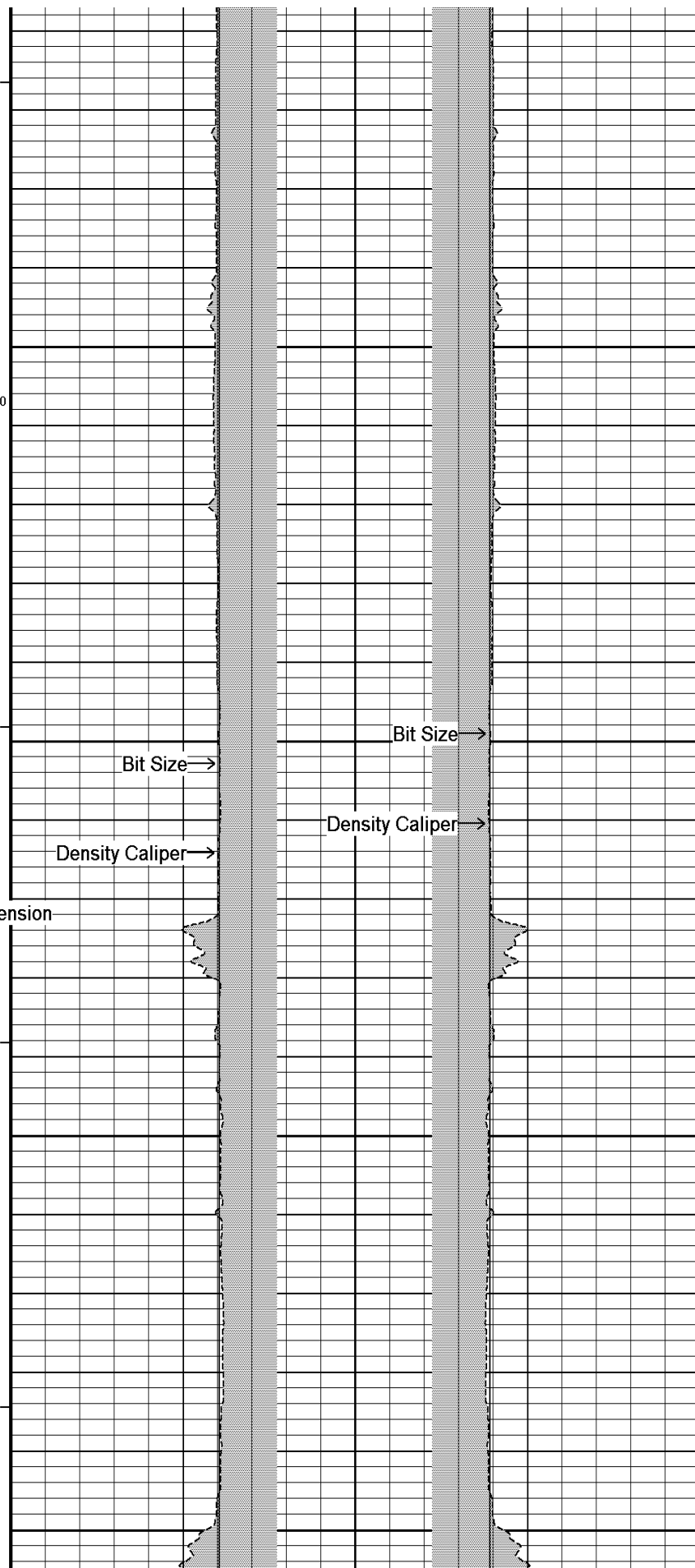
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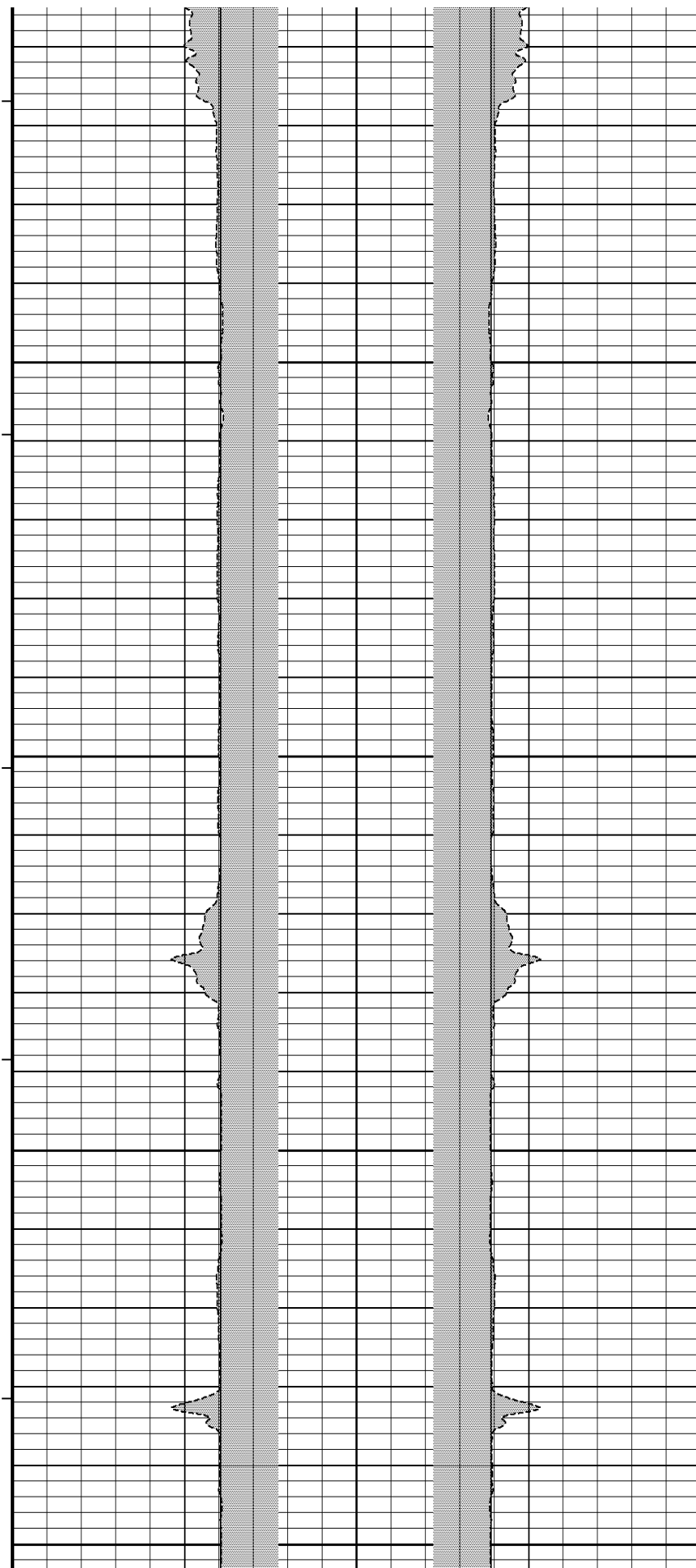
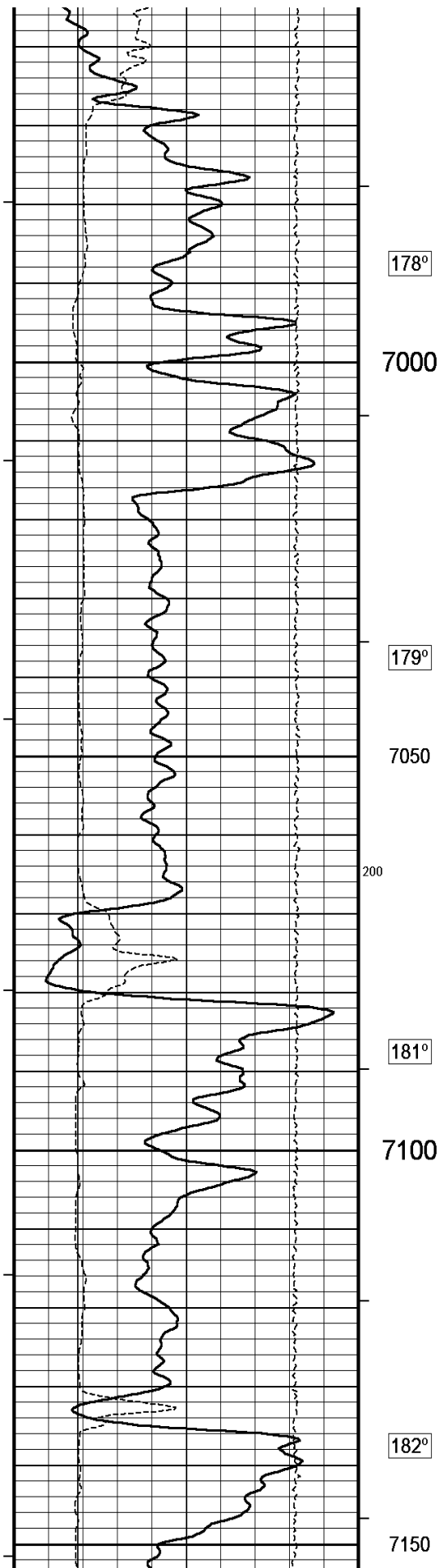
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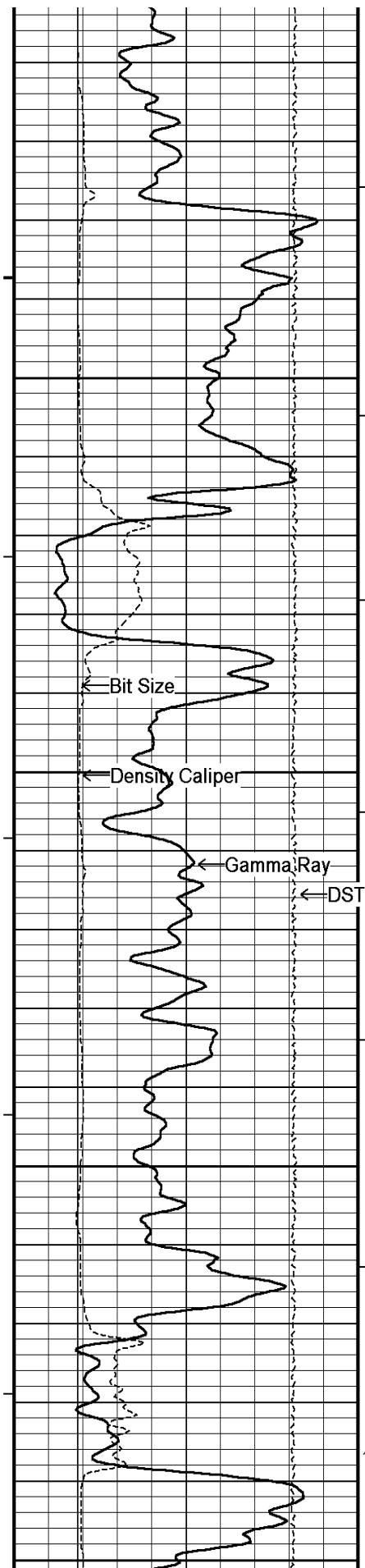
6900

177°

6950







183°

7200

100

185°

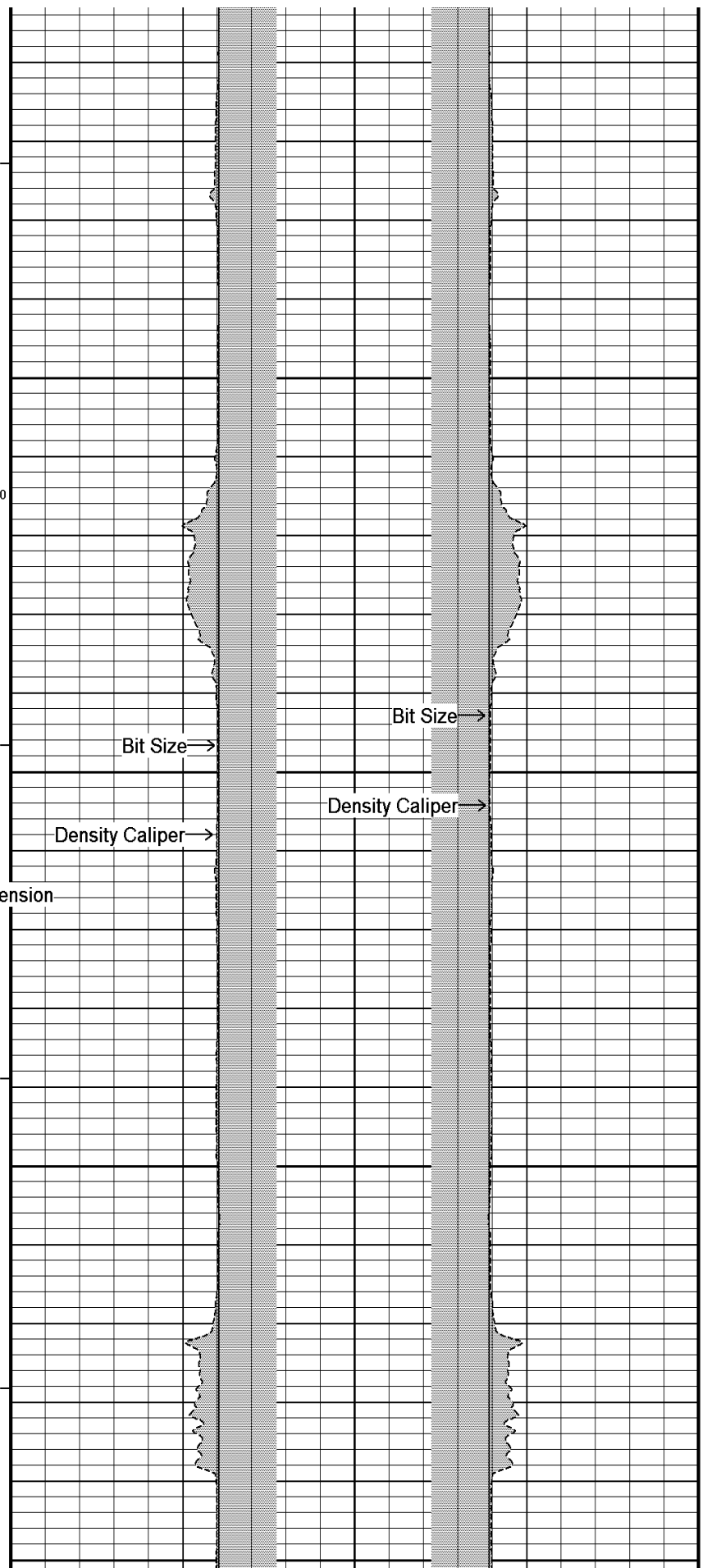
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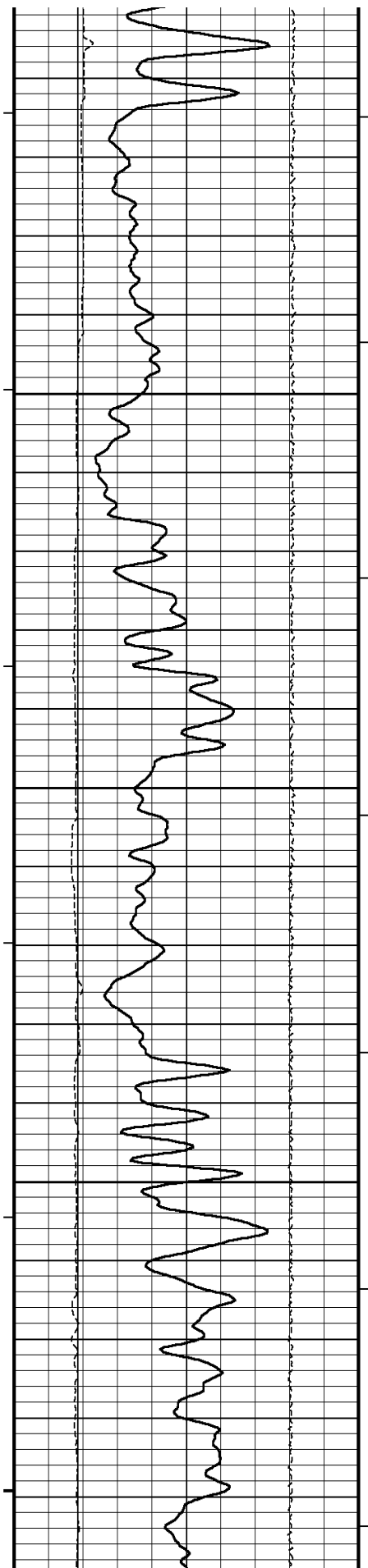
186°

7300

100 188°

7350





188°

7400

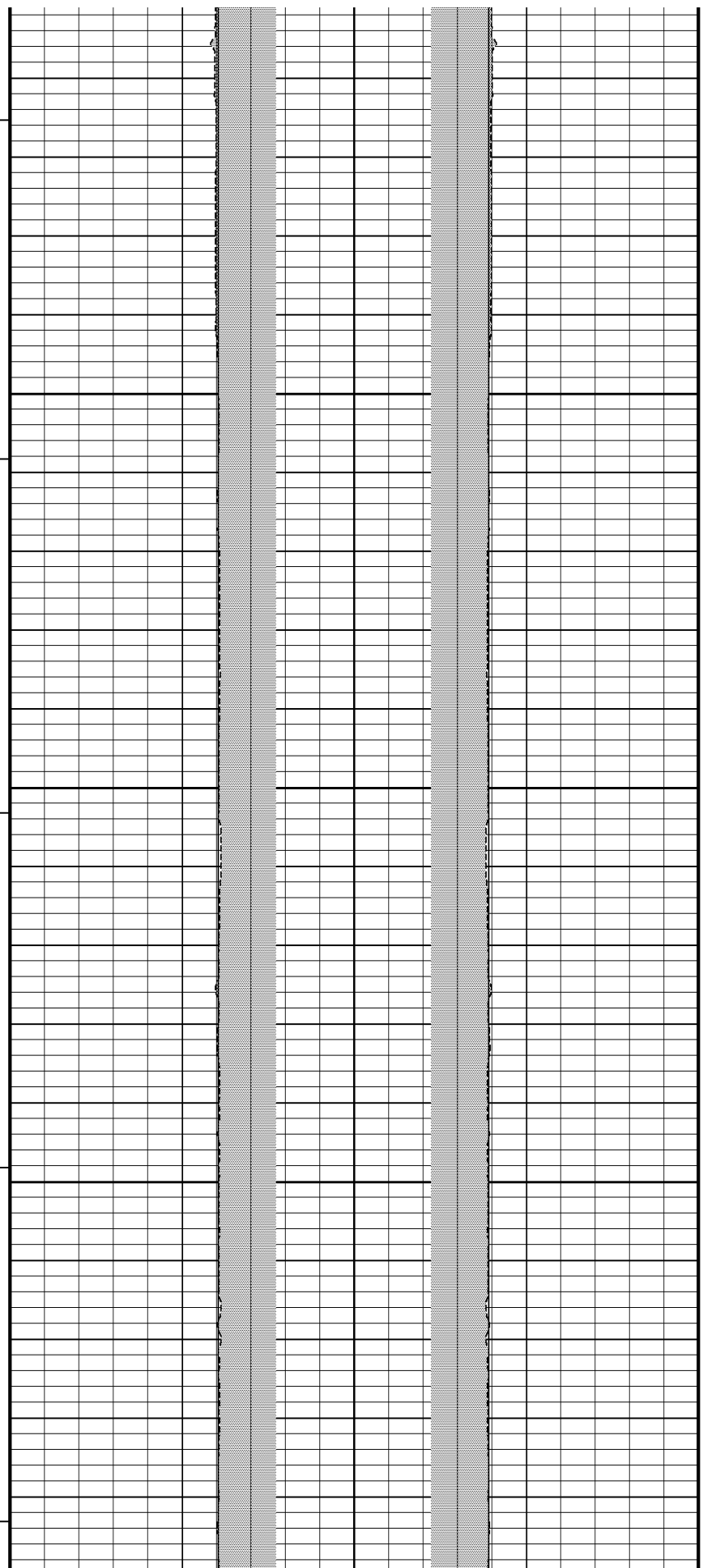
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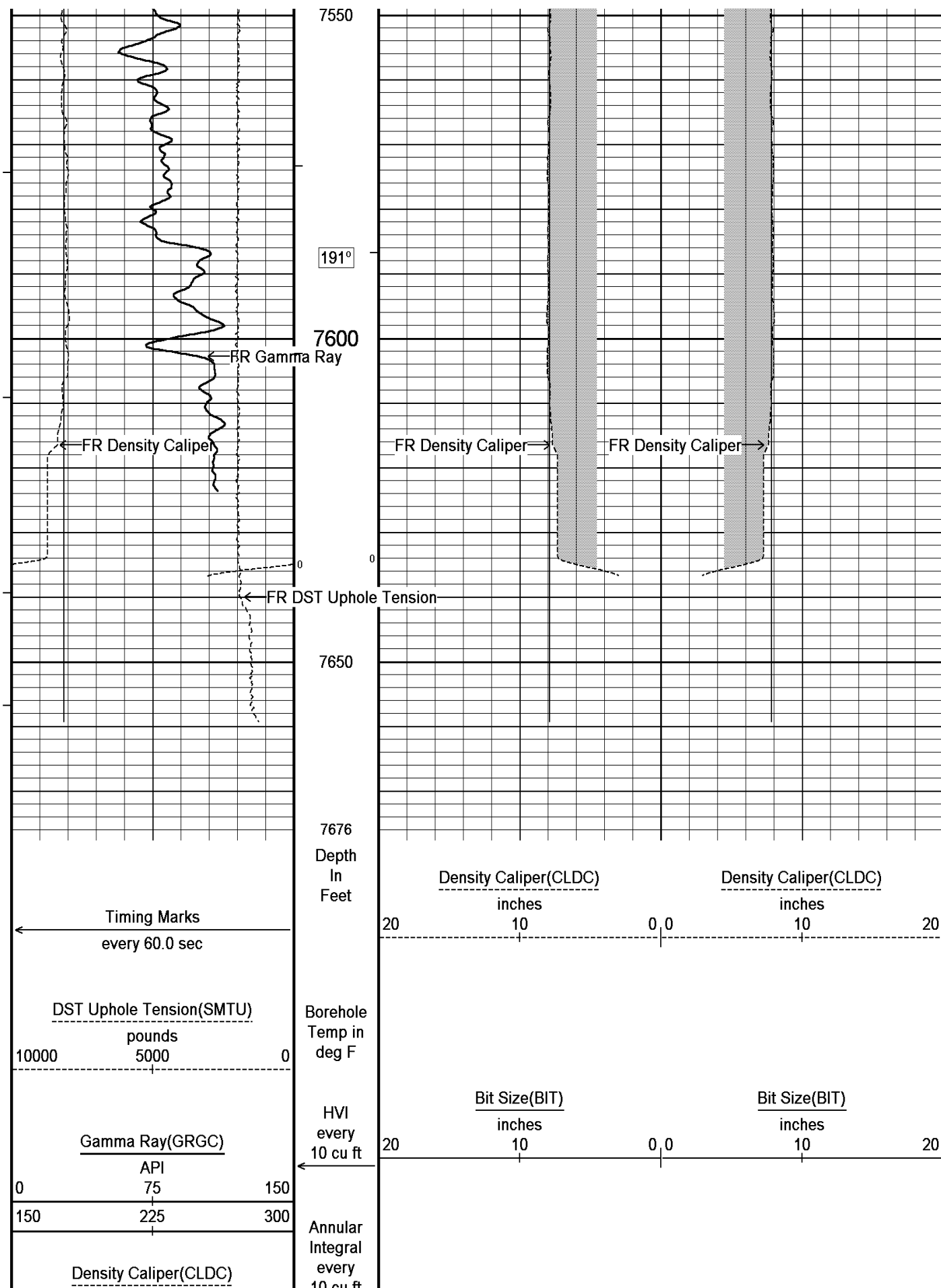
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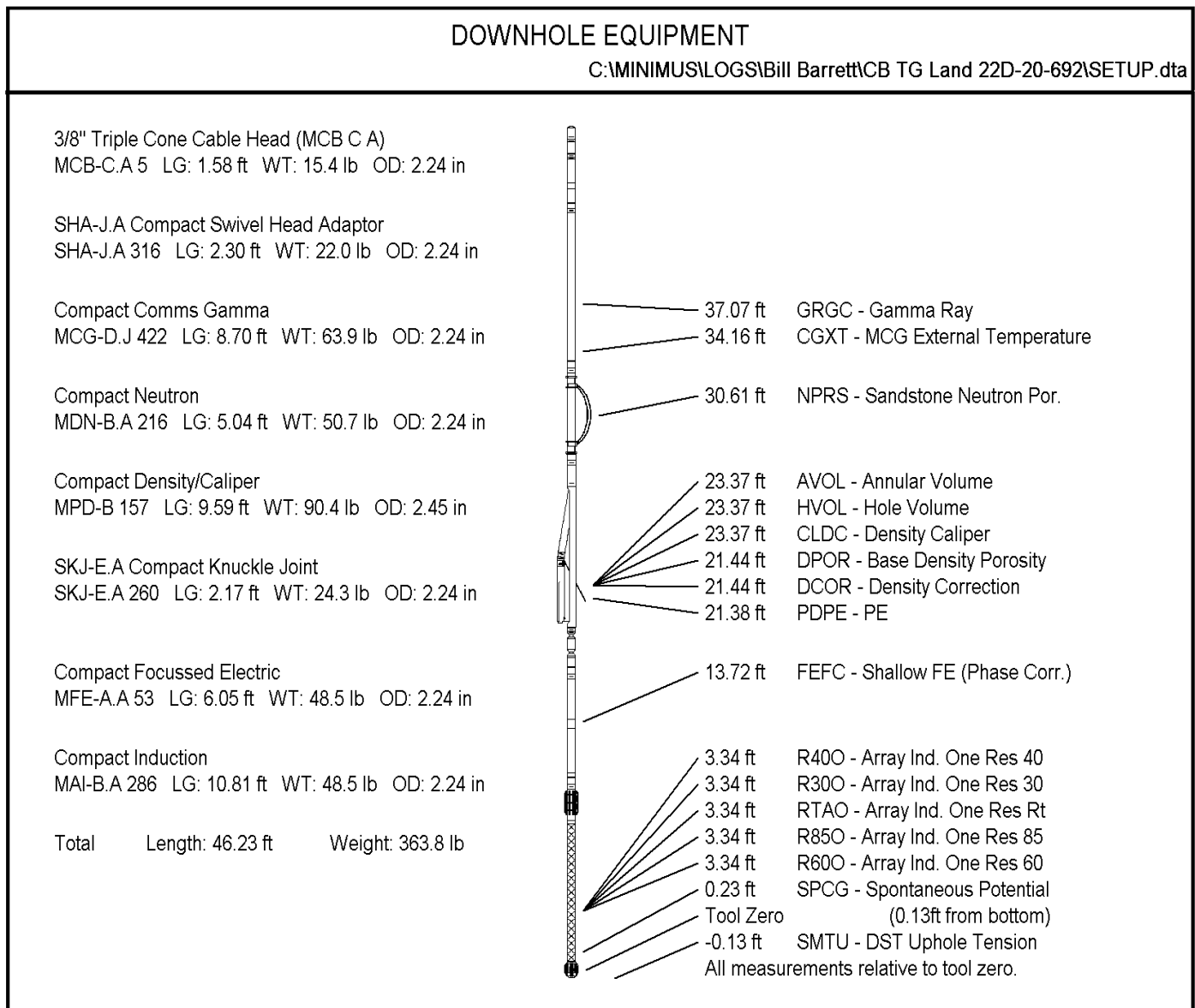
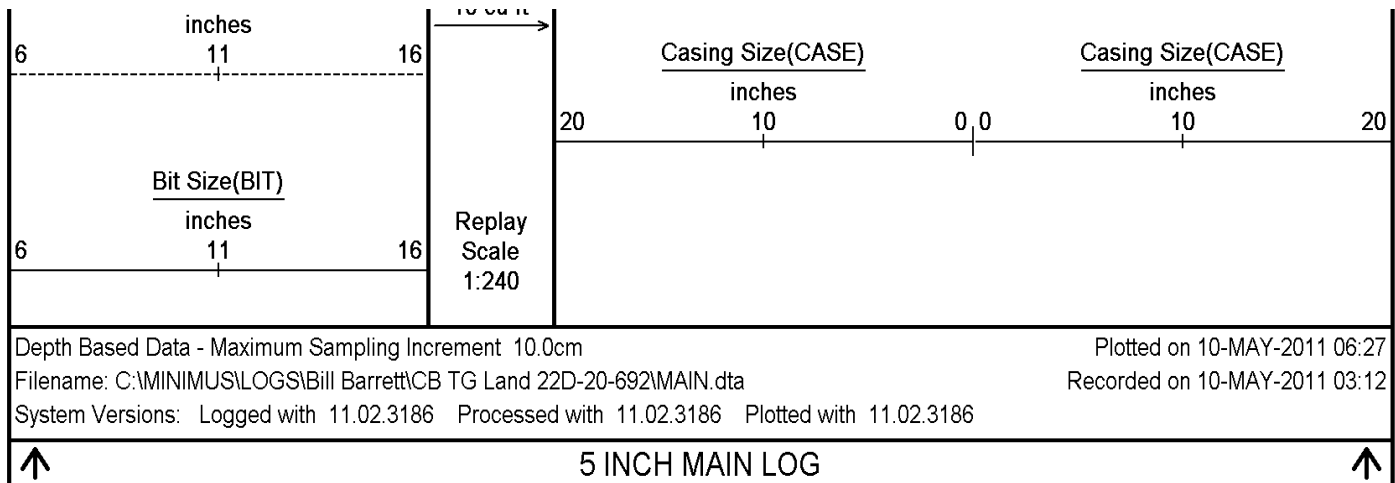
190°

7500

191°







COMPANY WELL FIELD	BILL BARRETT CORPORATION CB-TG LAND 22D-20-692 MAMM CREEK
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PROVINCE/COUNTY	GARFIELD
COUNTRY/STATE	U.S.A. / COLORADO

Elevation Kelly Bushing	5552.00	feet	First Reading	7617.00	
Elevation Drill Floor		feet	Depth Driller	7645.00	feet
Elevation Ground Level	5529.00	feet	Depth Logger	7640.00	feet



Weatherford®

HOLE VOLUME
CALIPER
LOG

