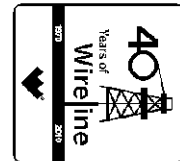




Weatherford[®]

**HOLE VOLUME
CALIPER LOG**

COMPANY BILL BARRETT CORPORATION
WELL CB TG LAND 11C-20-692
FIELD MAMM CREEK
PROVINCE/COUNTY GARFIELD
COUNTRY/STATE U.S.A. / COLORADO
LOCATION SHL: 658' FNL & 2572' FEL
BHL: 429' FNL & 660' FWL



SEC	TWP	RGE	Other Services
20	6S	92W	MPD/MDN MAIMFE
API Number	05-045-19752		
Permit Number			
Permanent Datum	G.L., Elevation 5530 feet		
Log Measured From	KB		
Drilling Measured From	K.B.		
Date	16-JUNE-2011		

Run Number	ONE	Elevations:	feet
Depth Driller	8110.00	KB	5553.00
Depth Logger	8110.00	DF	5553.00
First Reading	8087.00	GL	5530.00
Last Reading	854.00		
Casing Driller	858.00		
Casing Logger	854.00		
Bit Size	7.875		
Hole Fluid Type	LSND		

Density / Viscosity	10.60	lb/USg	48.00	CP
PH / Fluid Loss	9.80		6.40	ml/30Min
Sample Source	FLOW LINE			
Rm @ Measured Temp	2.77	@ 91.0		ohm-m
Rmf @ Measured Temp	2.21	@ 91.0		ohm-m
Rmc @ Measured Temp	3.32	@ 91.0		
Source Rmf / Rmc	CALC		CALC	
Rm @ BHT	1.31	@195.0		ohm-m
Time Since Circulation	5 HOURS			
Max Recorded Temp	195.00			deg F
Equipment Name	COMPACT			
Equipment / Base	13173		GD JCT	
Recorded By	M.RICHINS			
Witnessed By				

BOREHOLE RECORD

Last Edited: 16-JUN-2011 02:00

Bit Size inches	Depth From feet	Depth To feet
8.750	858.00	5752.00
7.880	5752.00	8110.00

CASING RECORD

Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE	9.625	0.00	858.00	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.

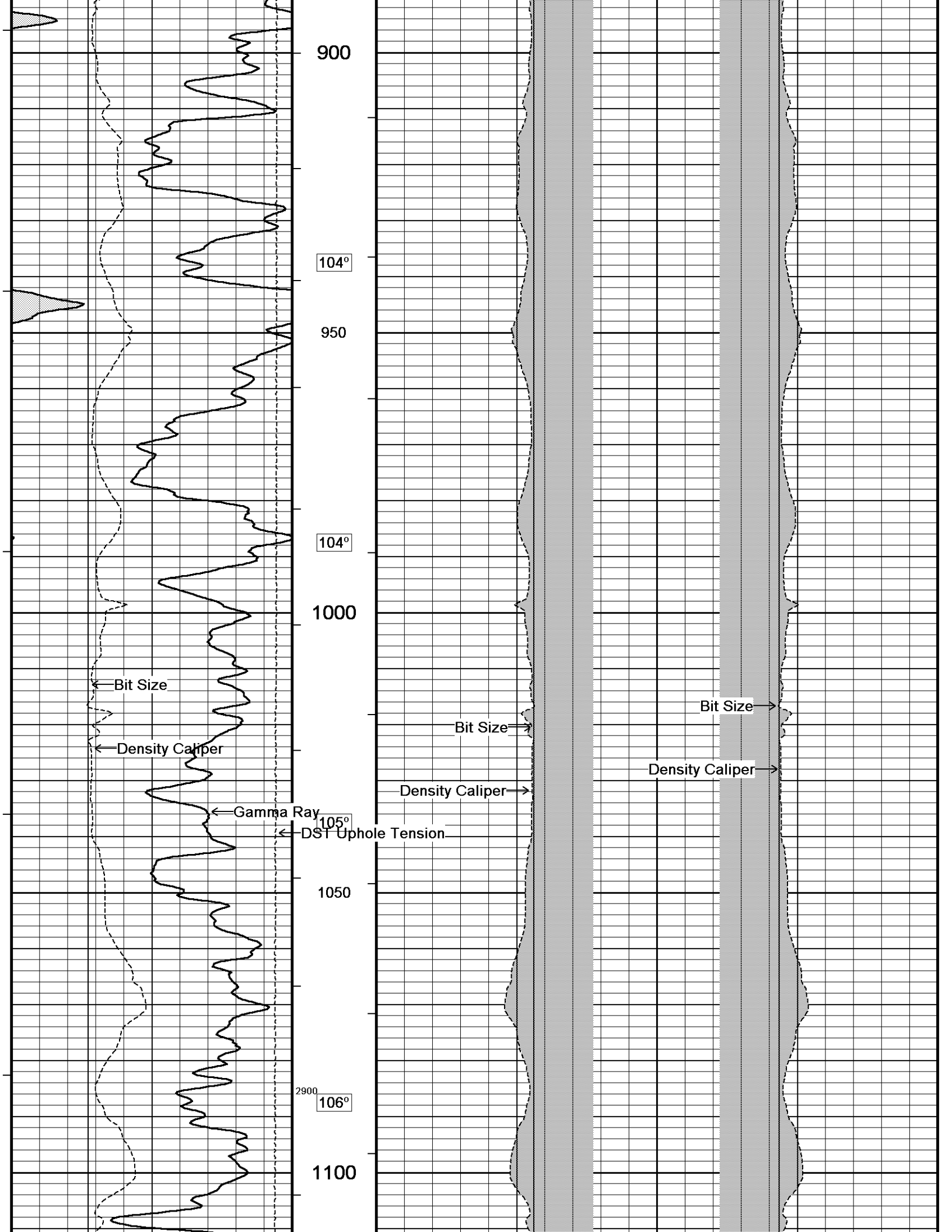
ALL INTERVALS LOGGED AND SCALED PER CUSTOMER'S REQUEST.

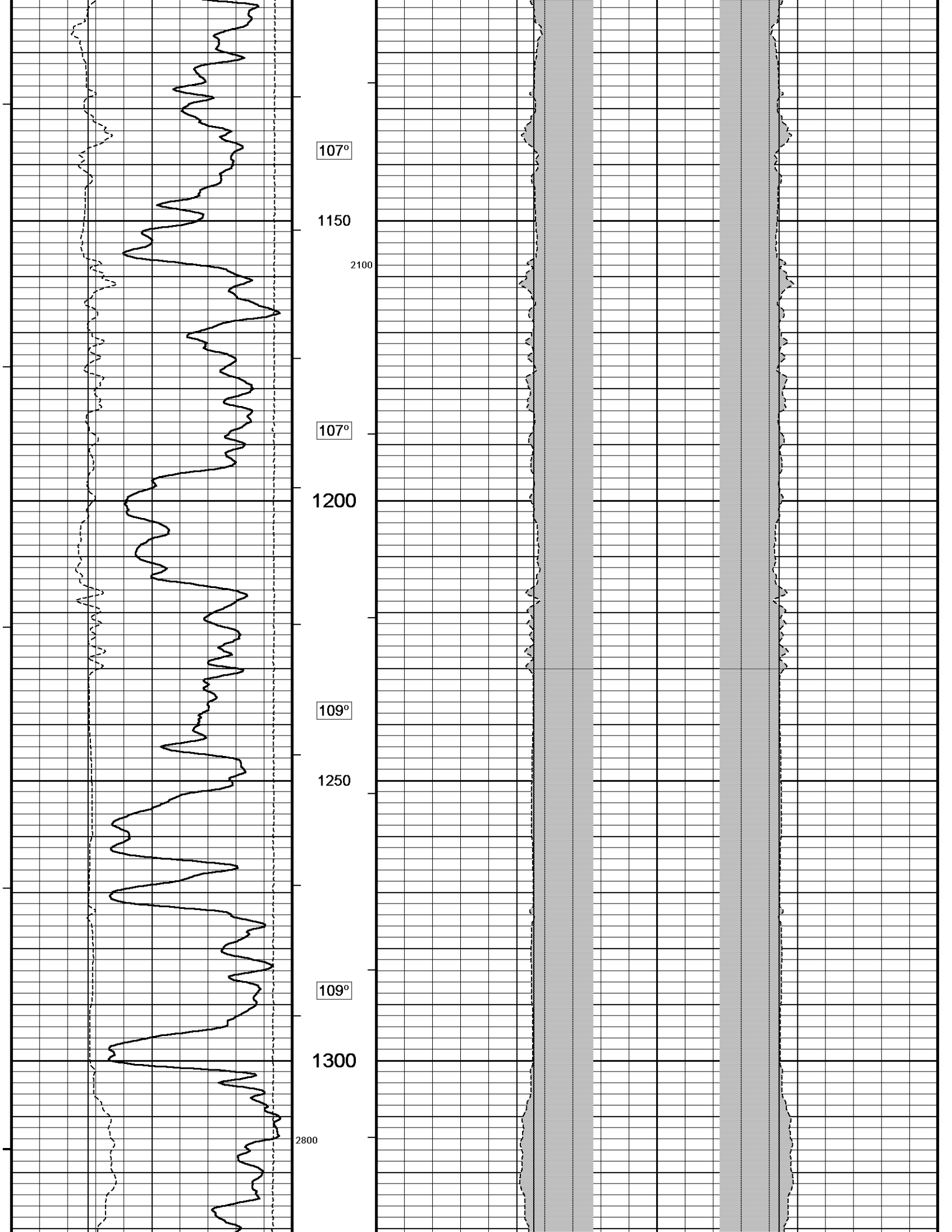
TIGHT PULLS, BOREHOLE SIZE, AND RUGOSITY WILL AFFECT REPEATABILITY AND DATA QUALITY.

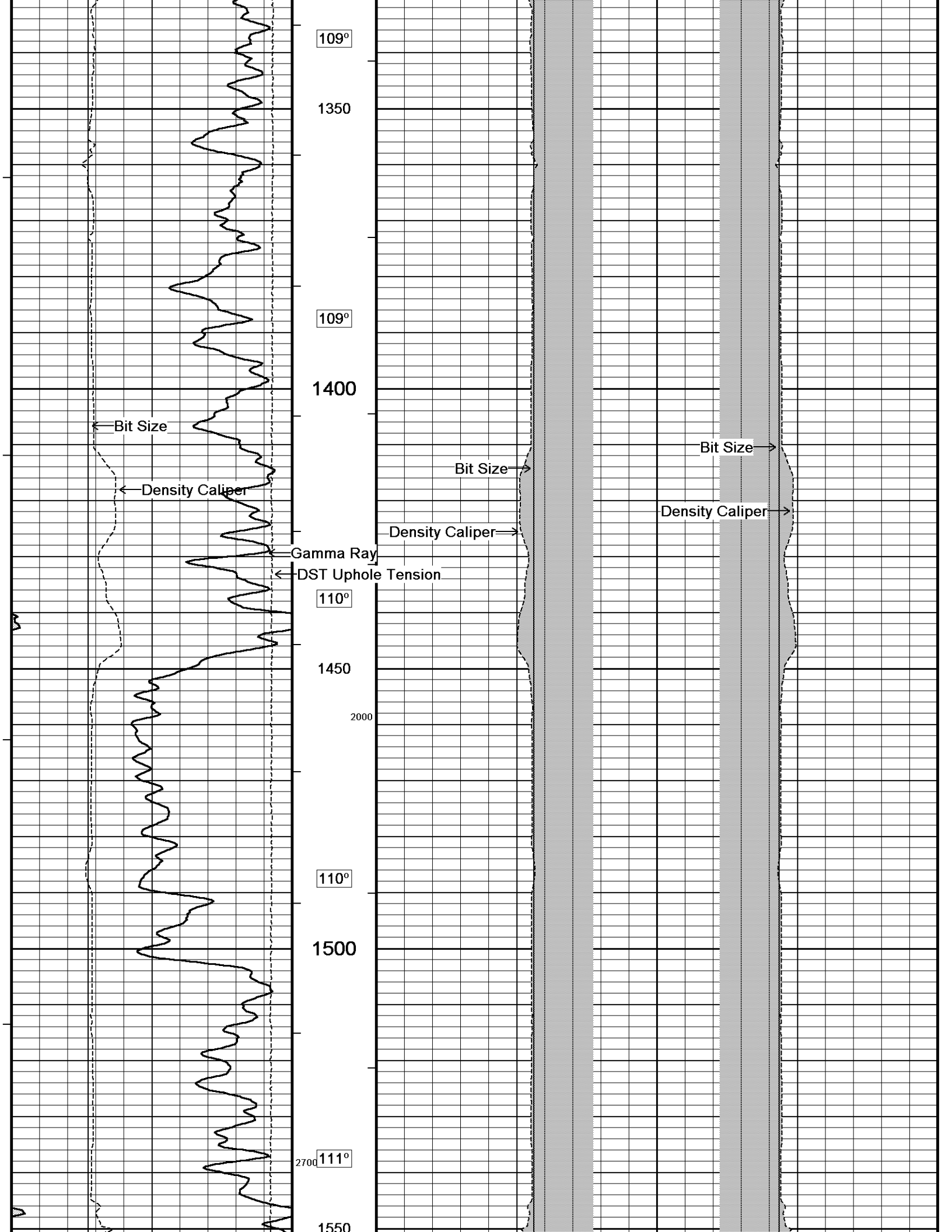
CALIPER CHECK IN CASING PRESENTED, REFERENCE I.D. = 8.94" (9 5/8", 36 LB/FT CASING).

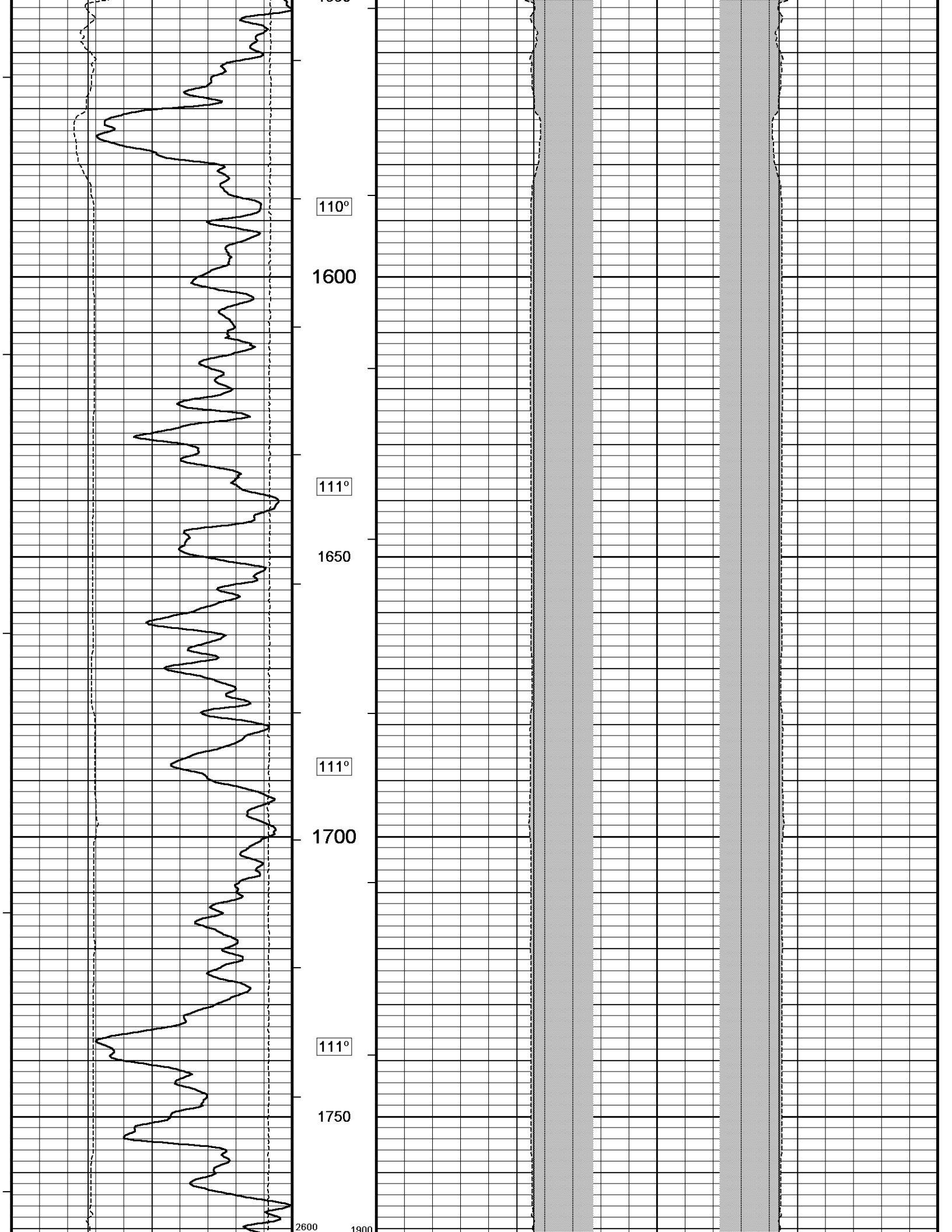
8.75 INCH BIT CHANGE AT 5753 FT.

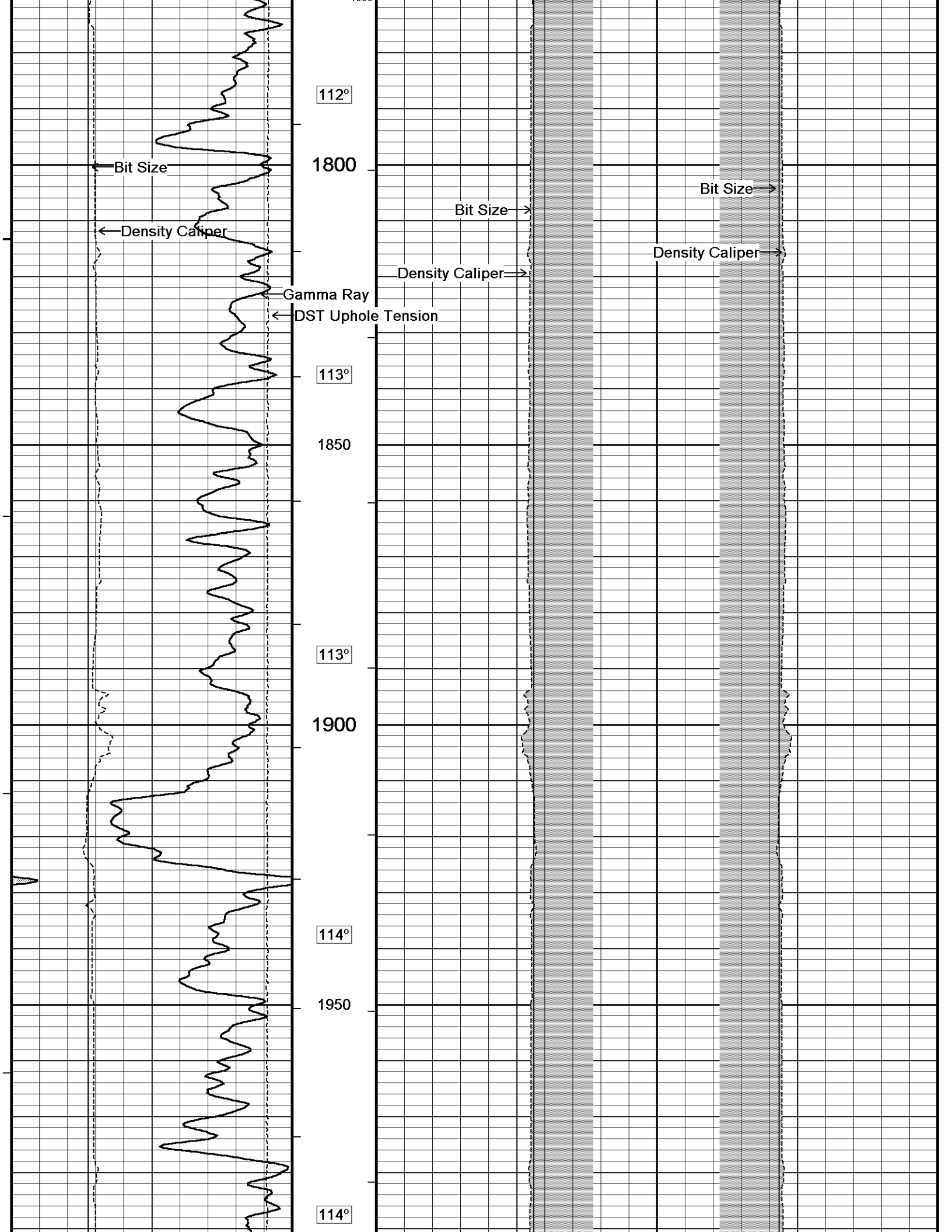
TOTAL HOLE VOLUME FROM TD TO SURFACE CASING = 3020 CU FT

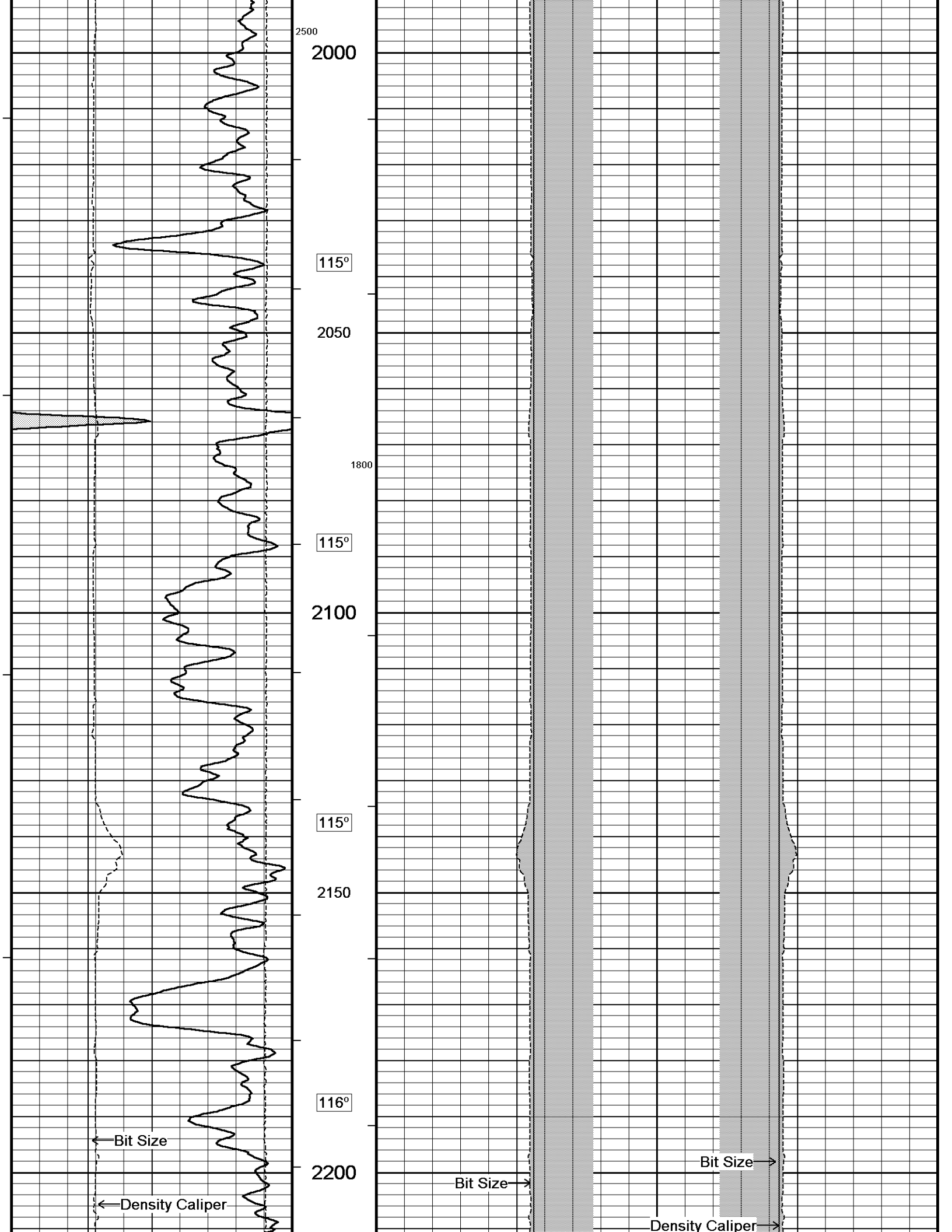












2500

2000

115°

2050

1800

115°

2100

115°

2150

116°

2200

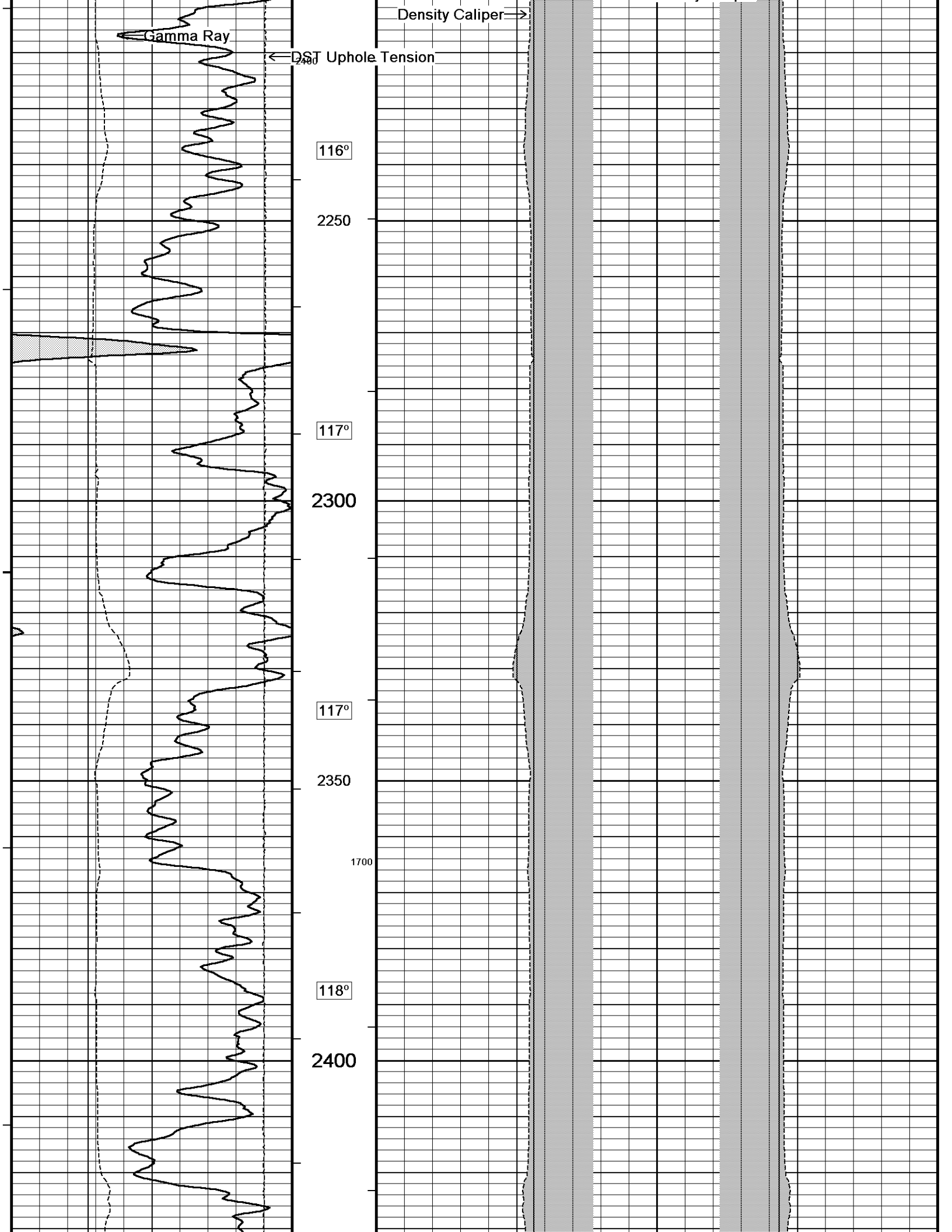
← Bit Size

← Density Caliper

Bit Size →

Bit Size →

Density Caliper →



Density Caliper →

Gamma Ray

← DST Uphole Tension

116°

2250

117°

2300

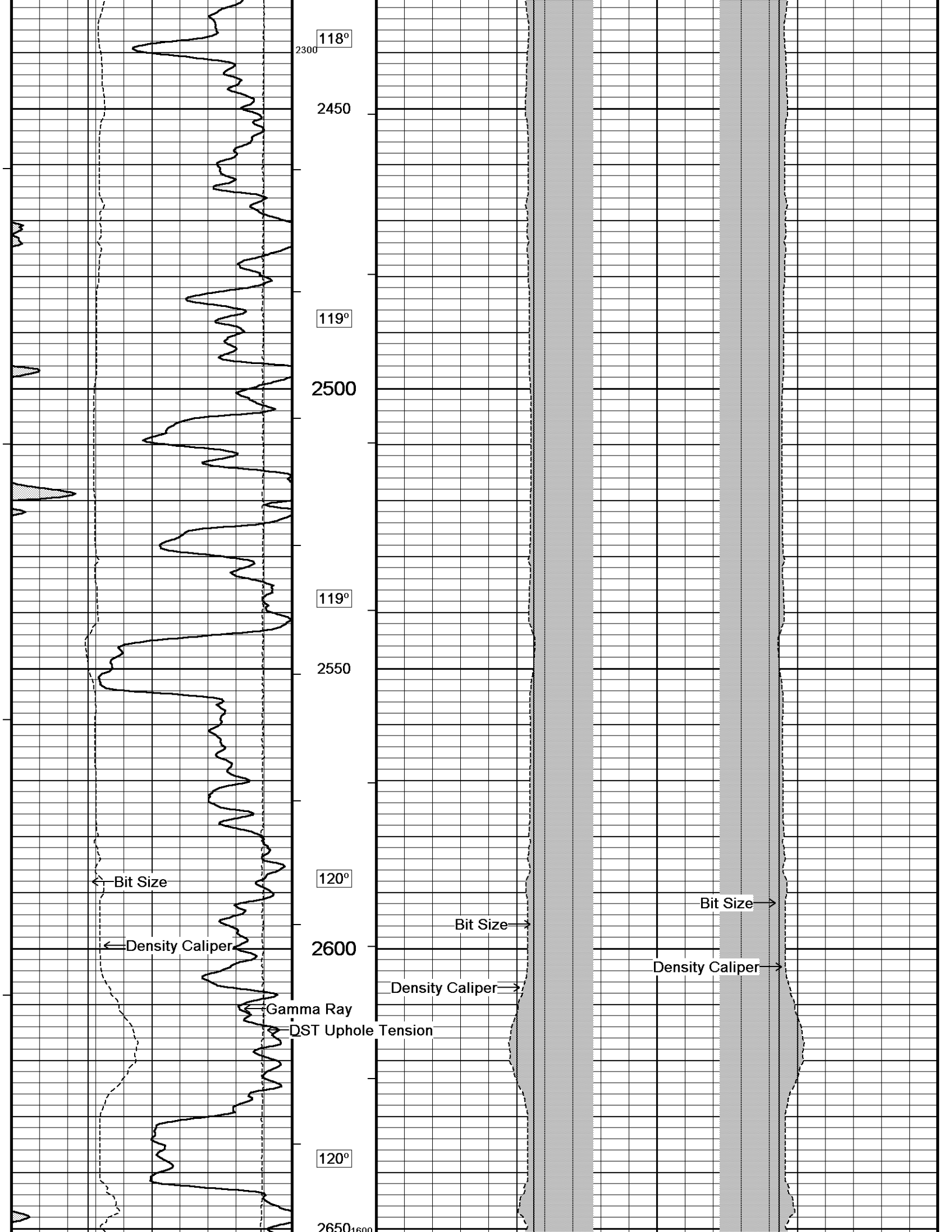
117°

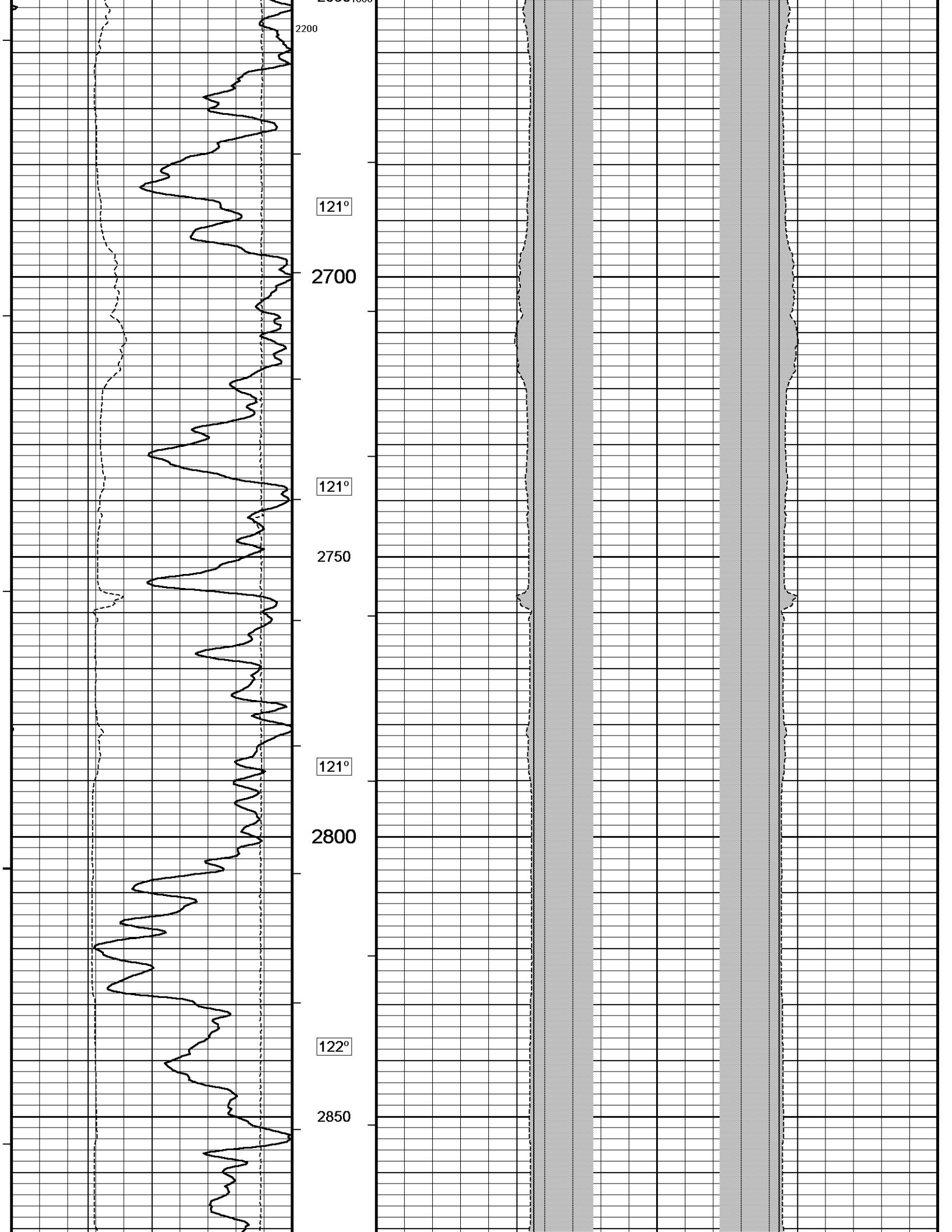
2350

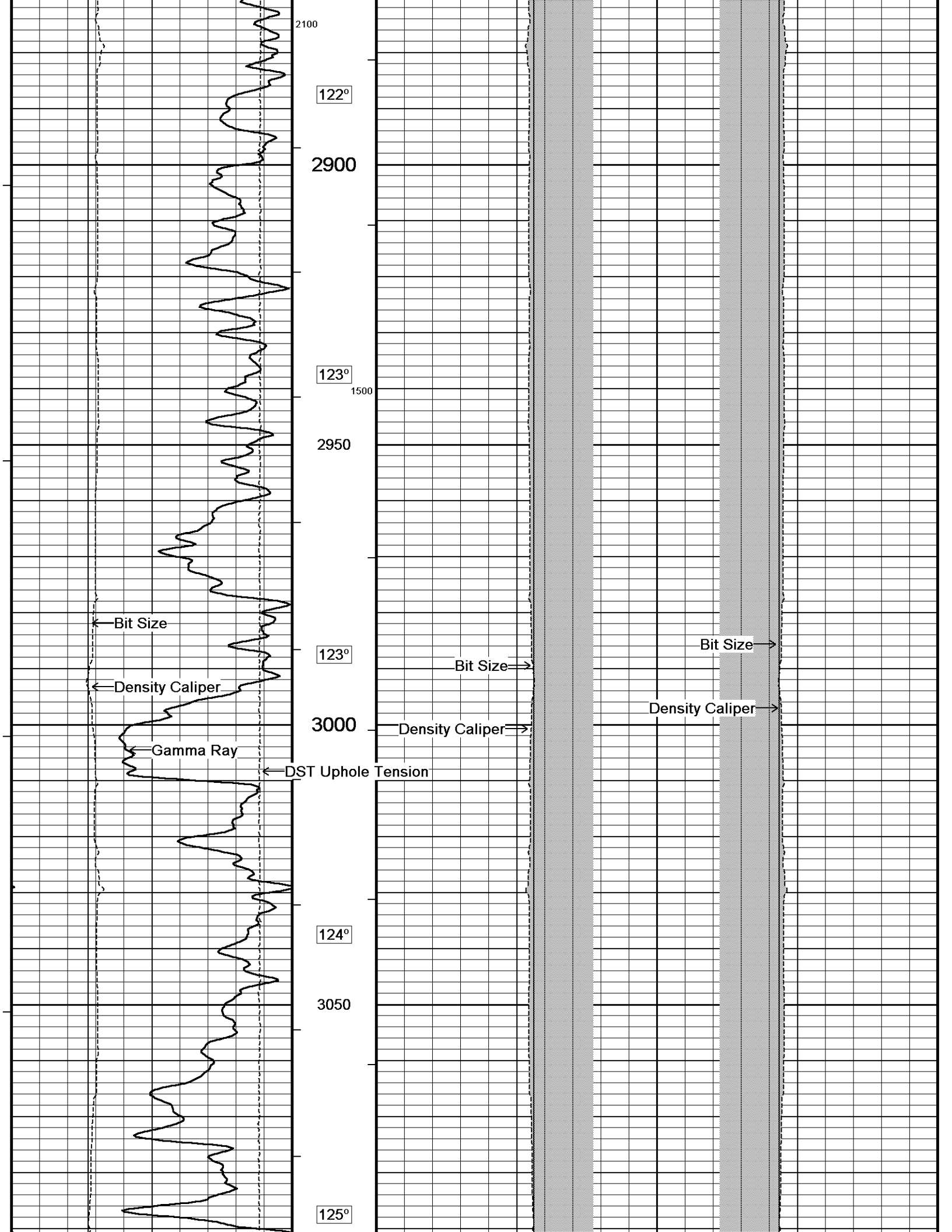
1700

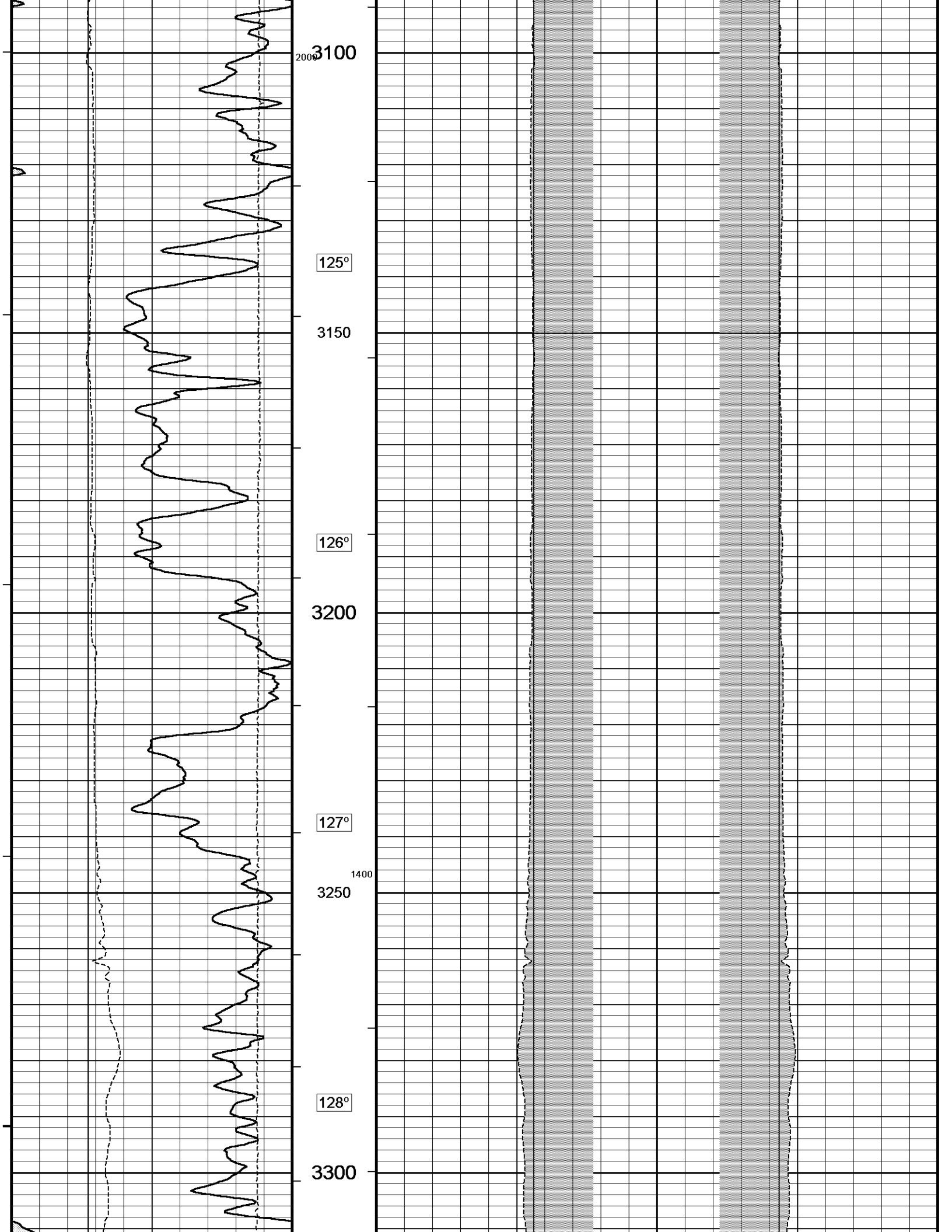
118°

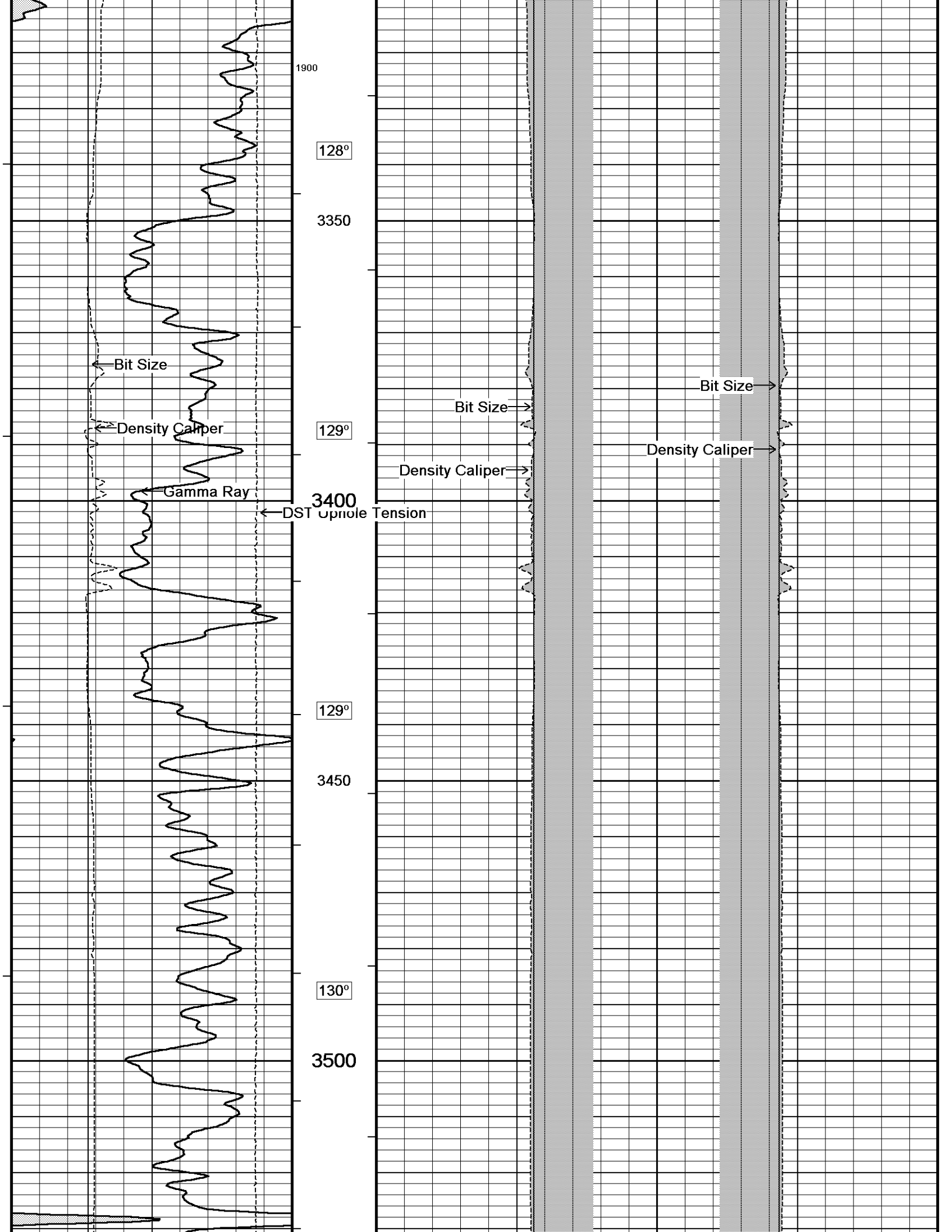
2400

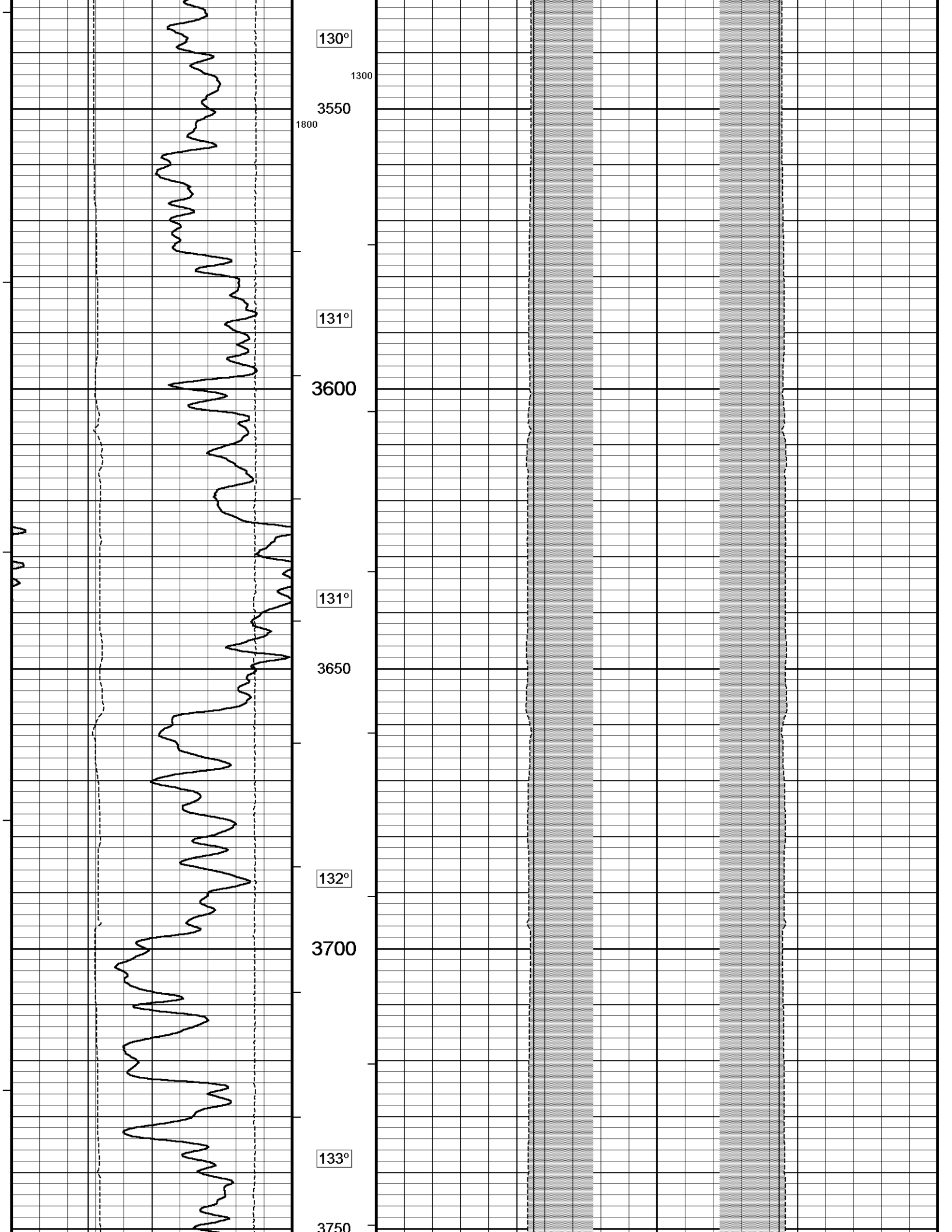


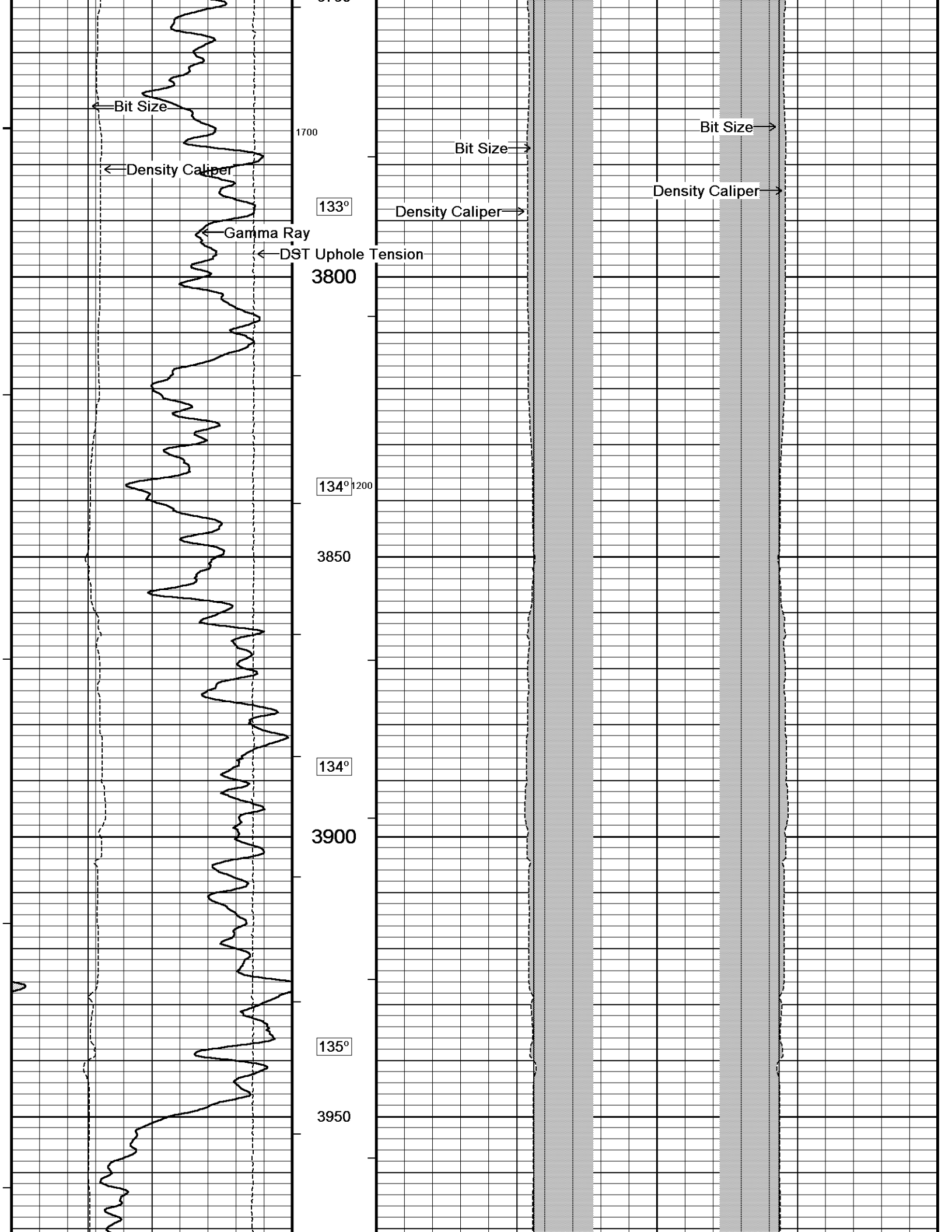


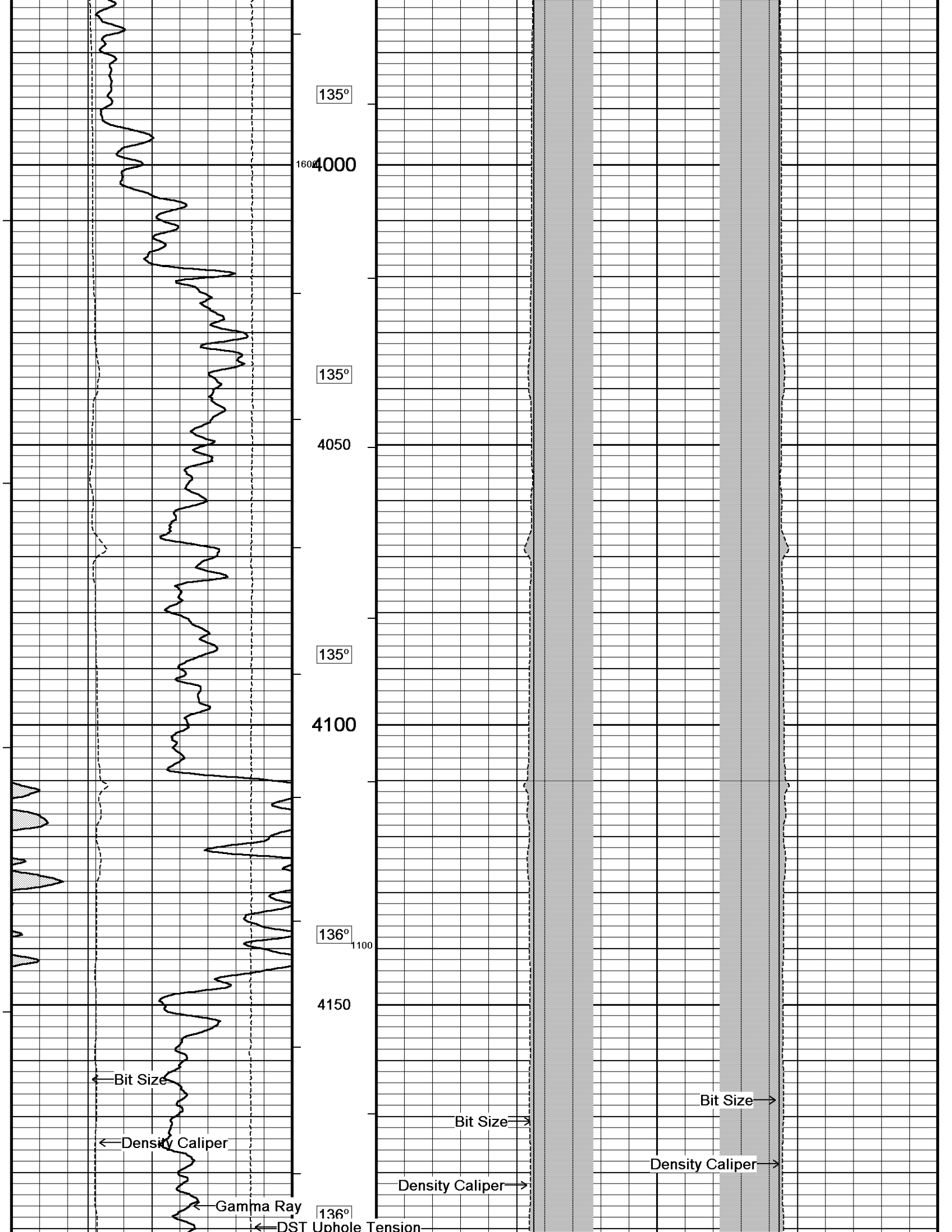


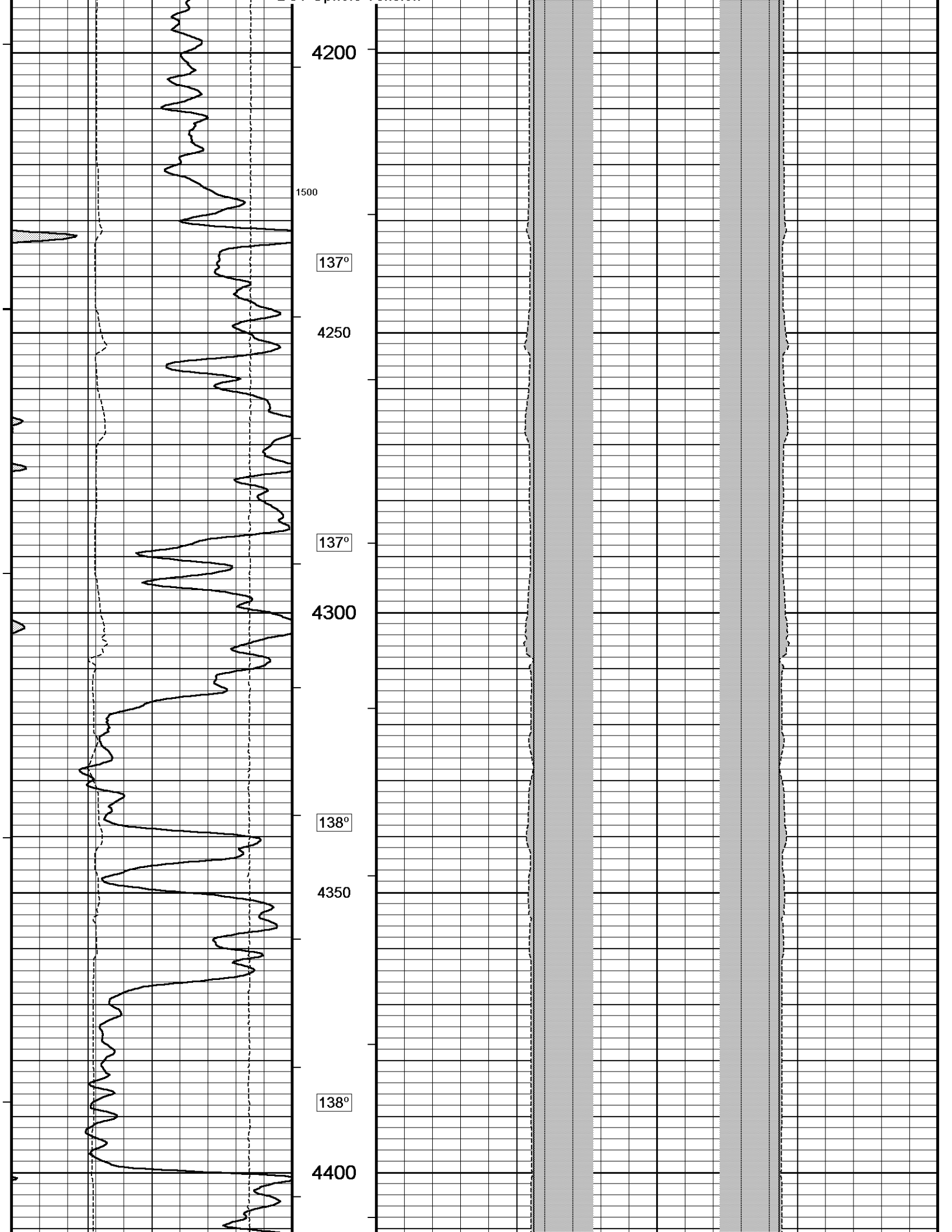


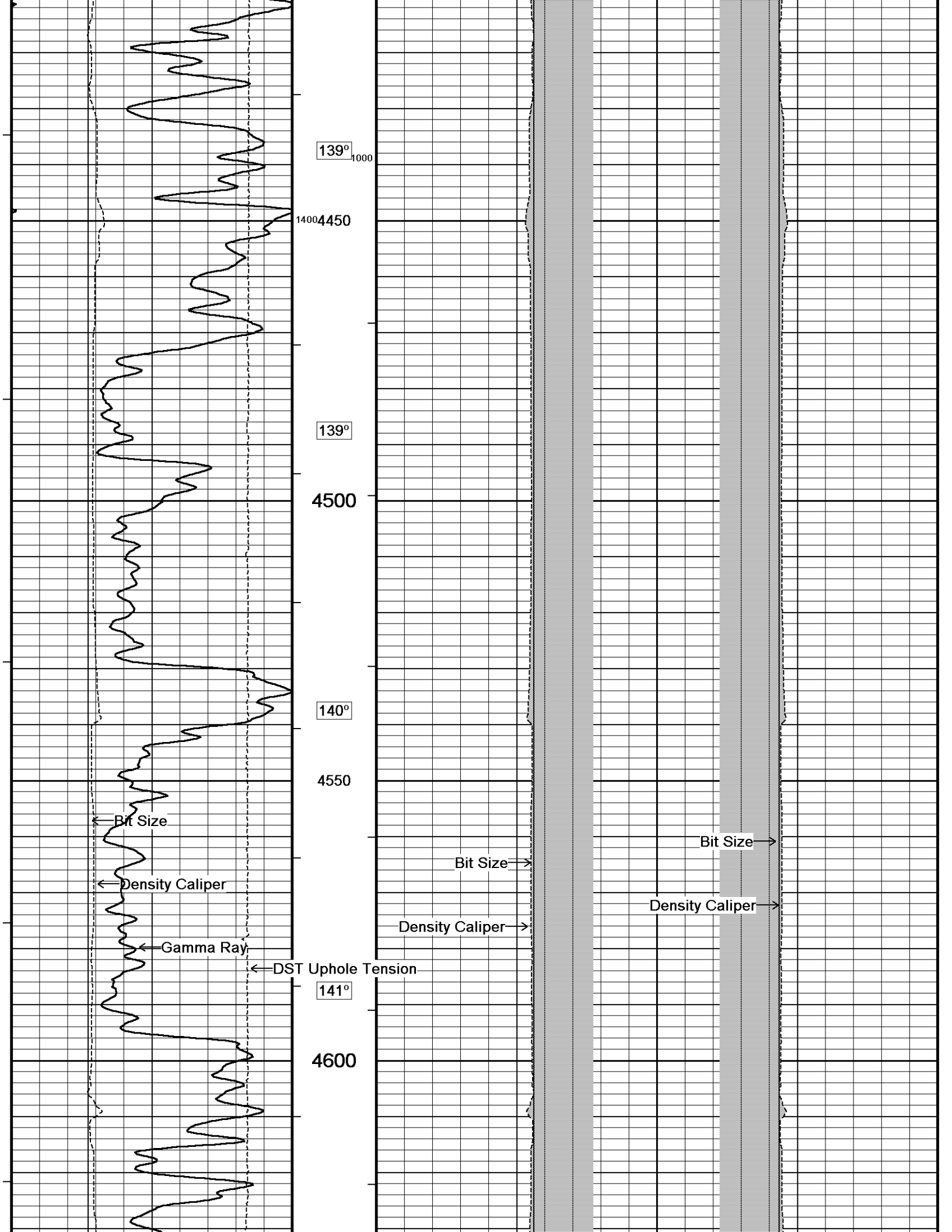


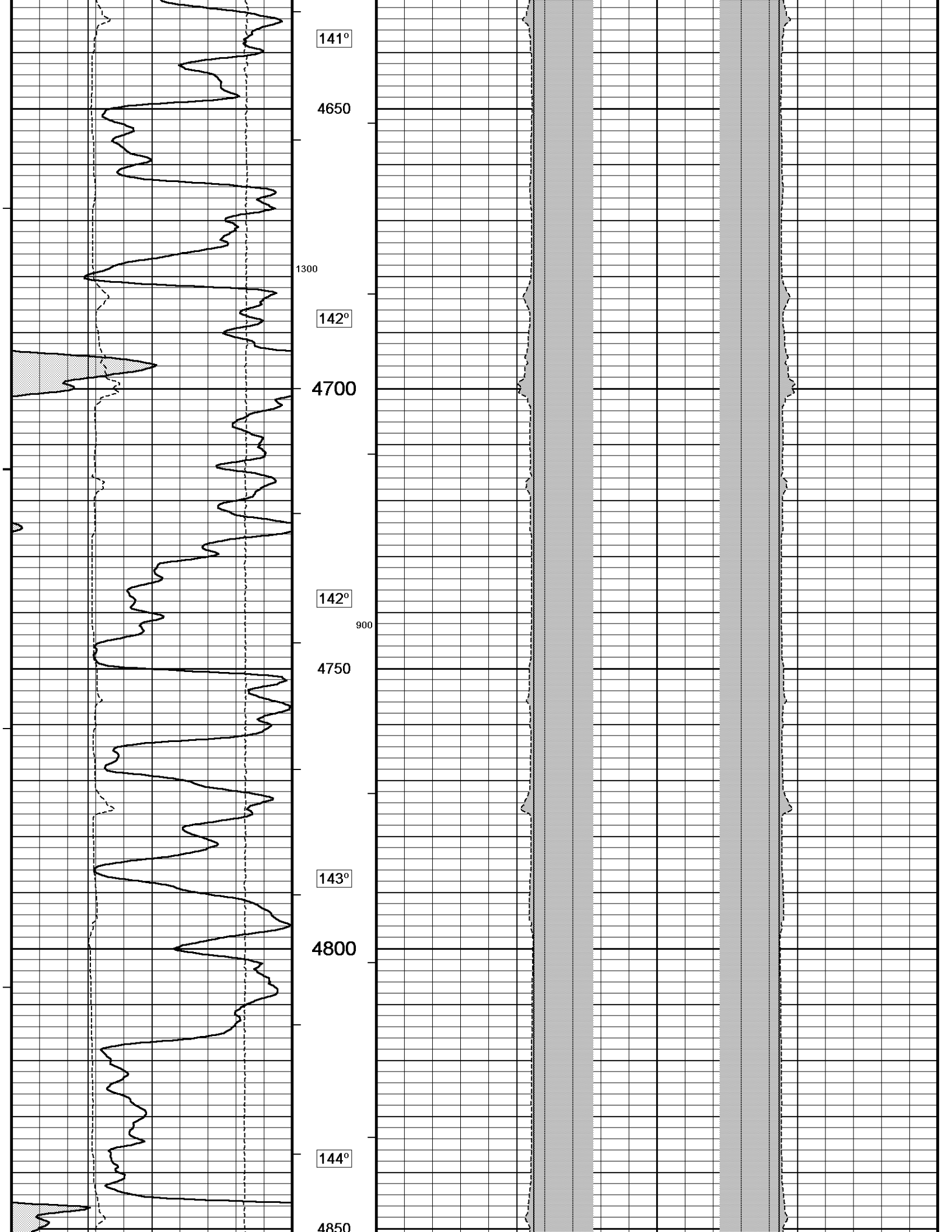


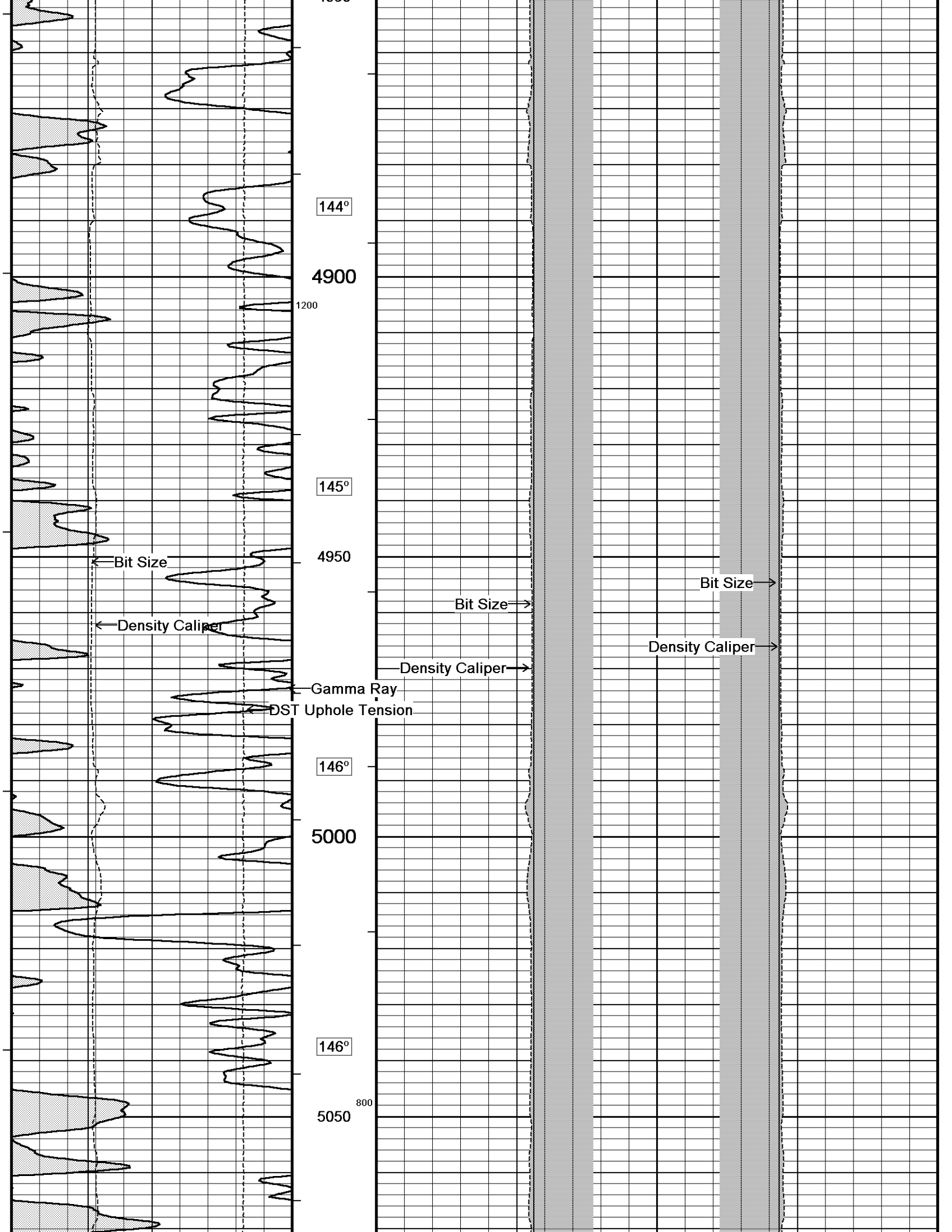


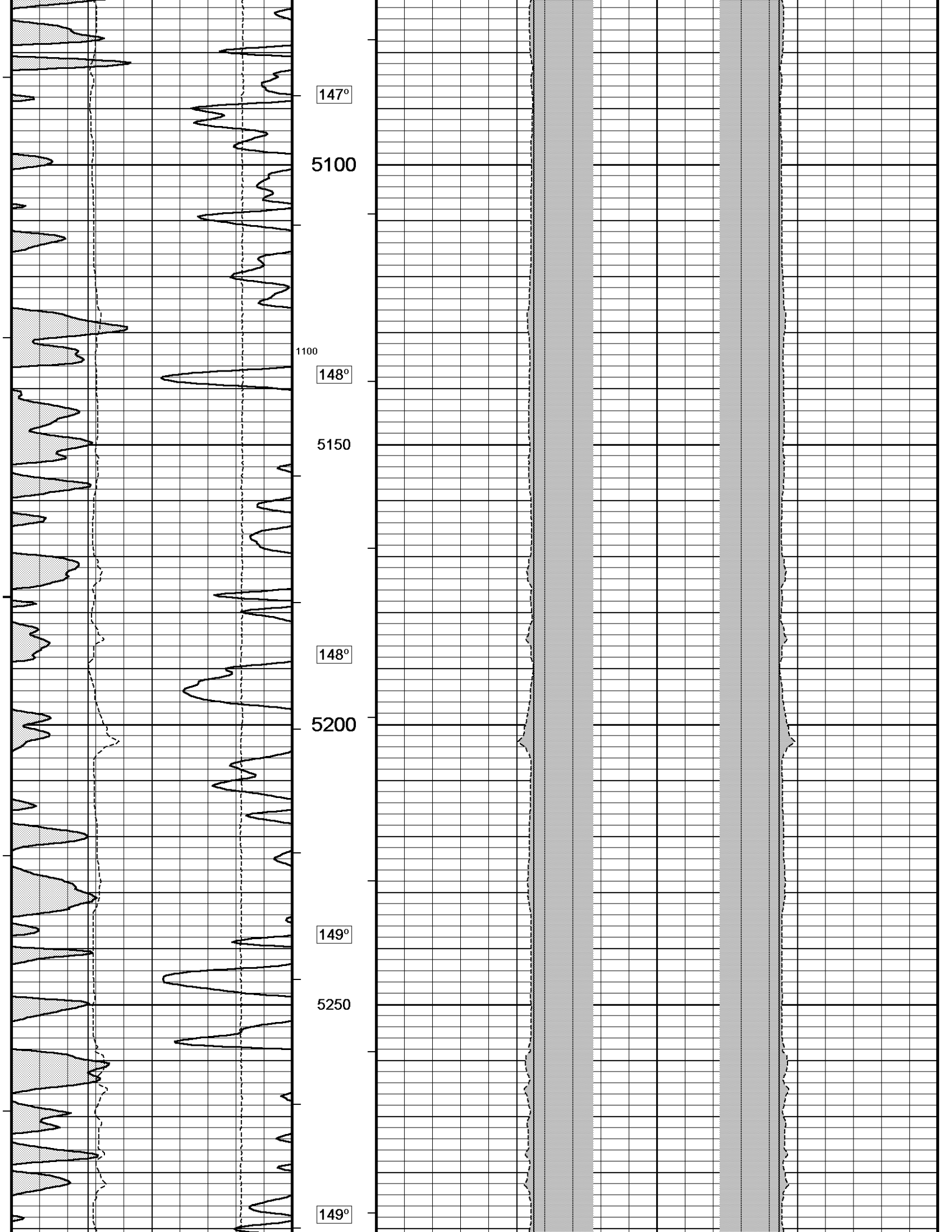


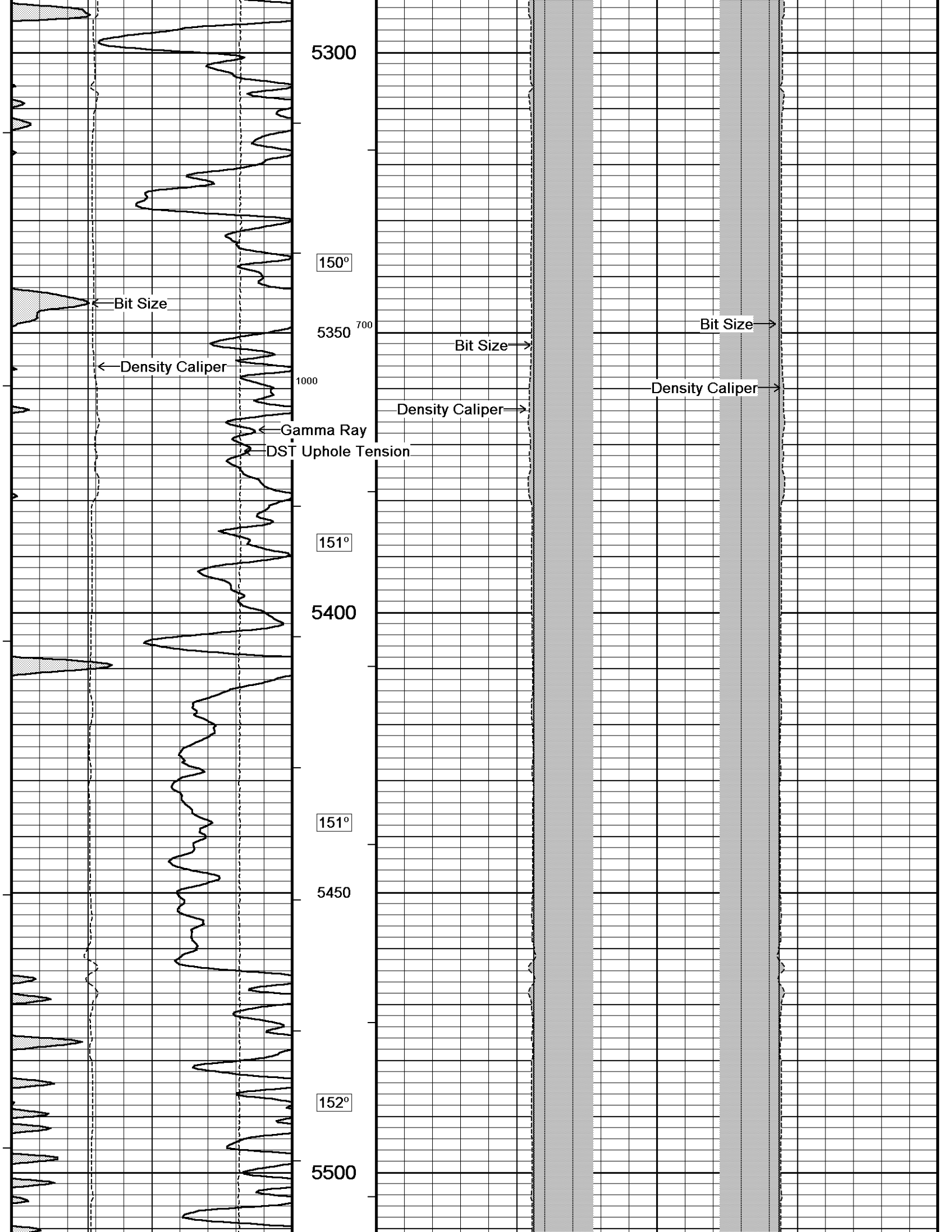


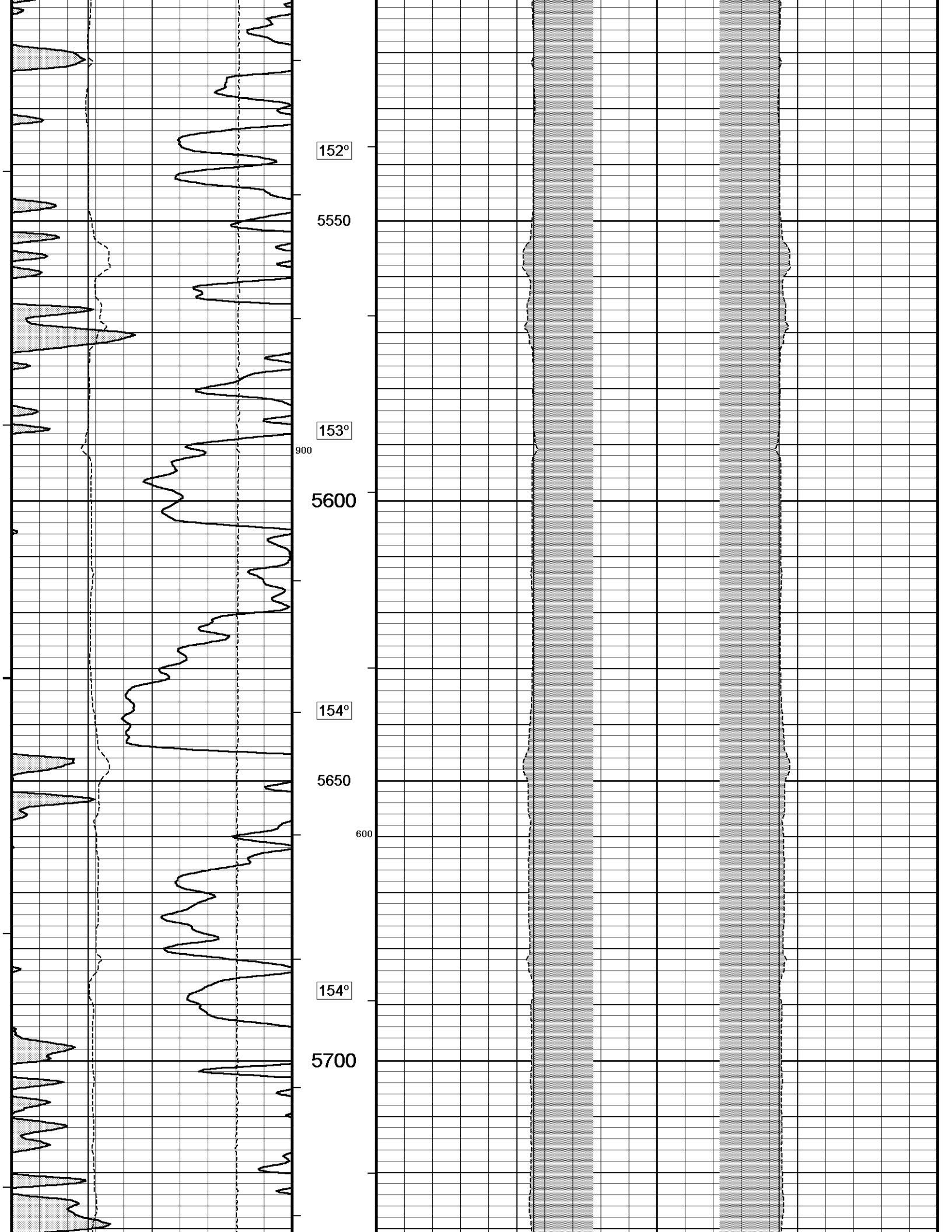


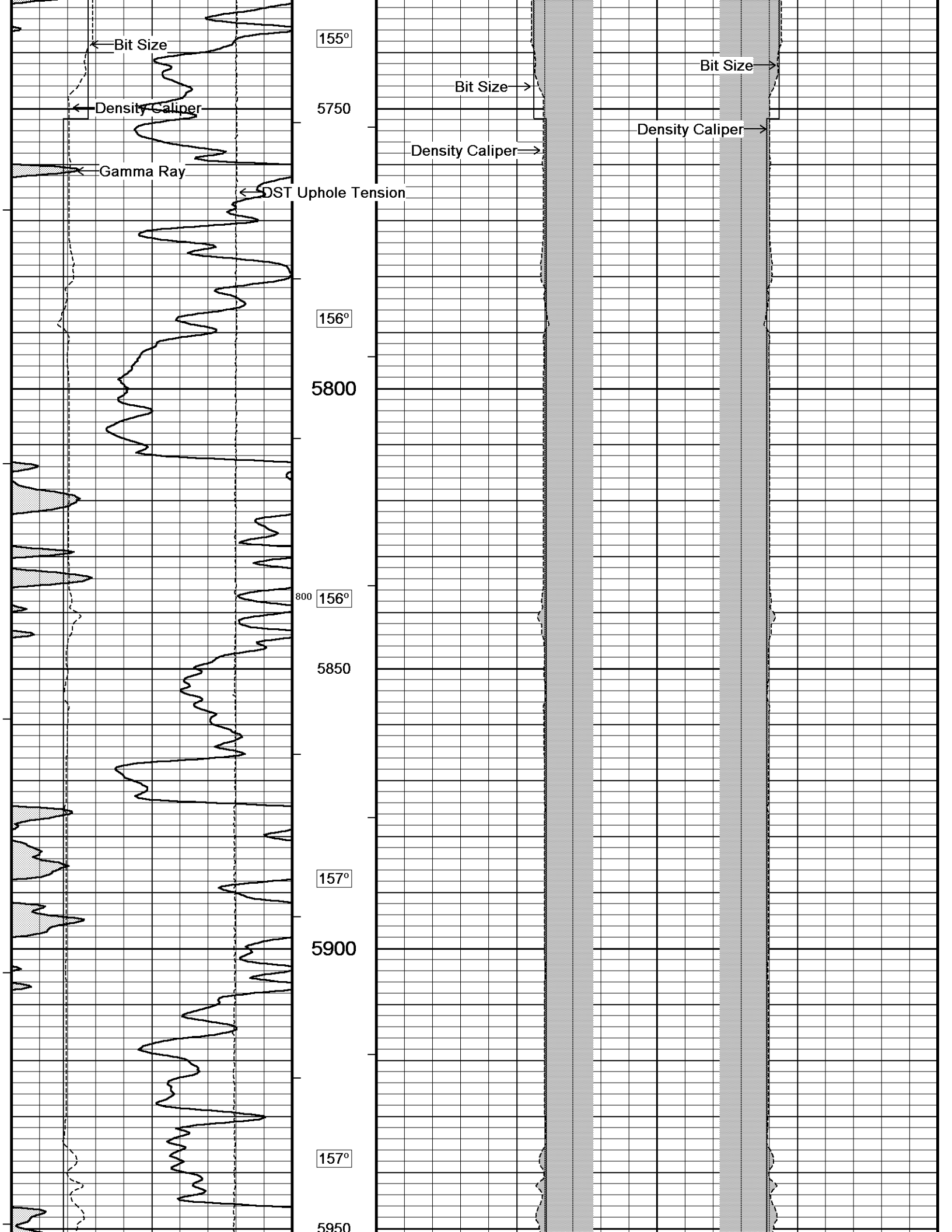


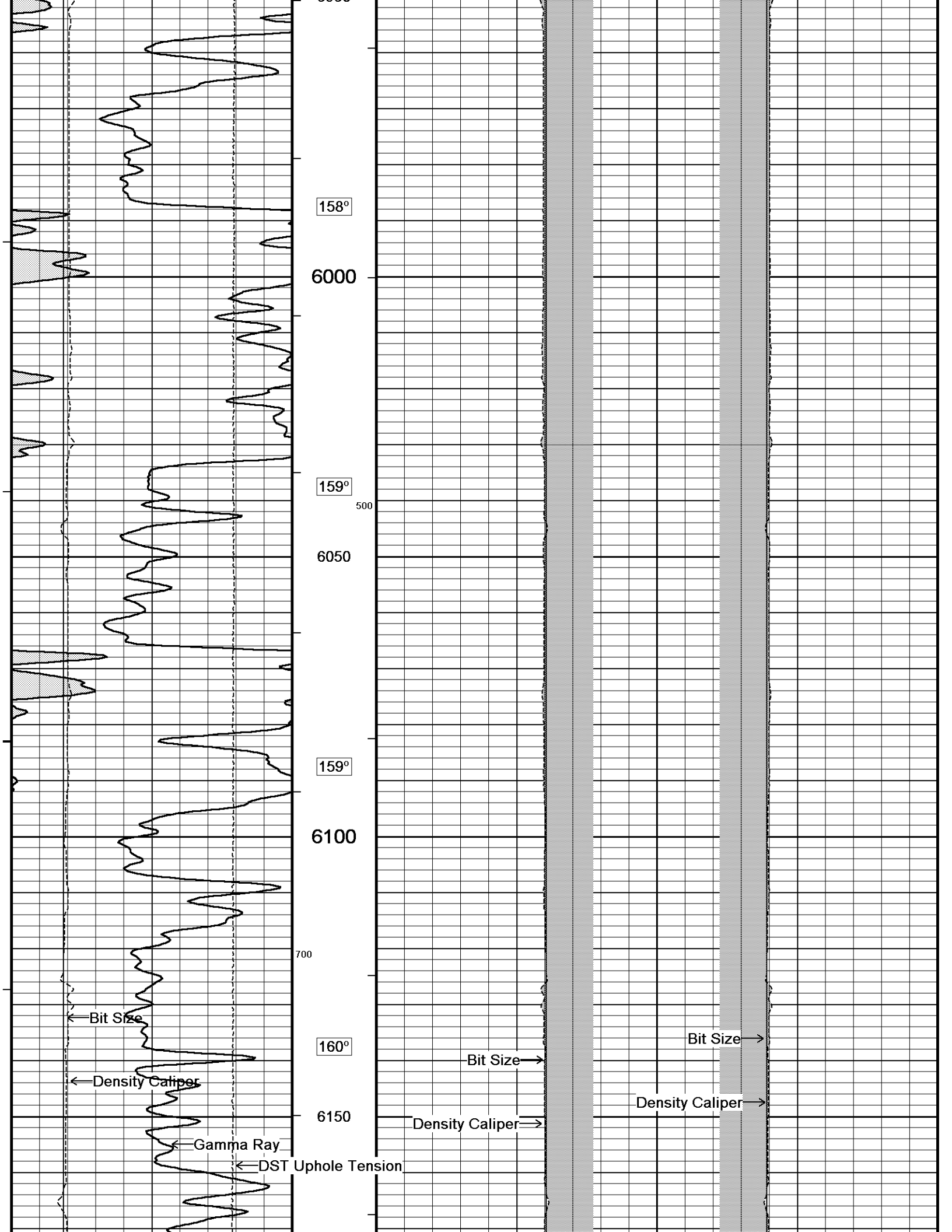


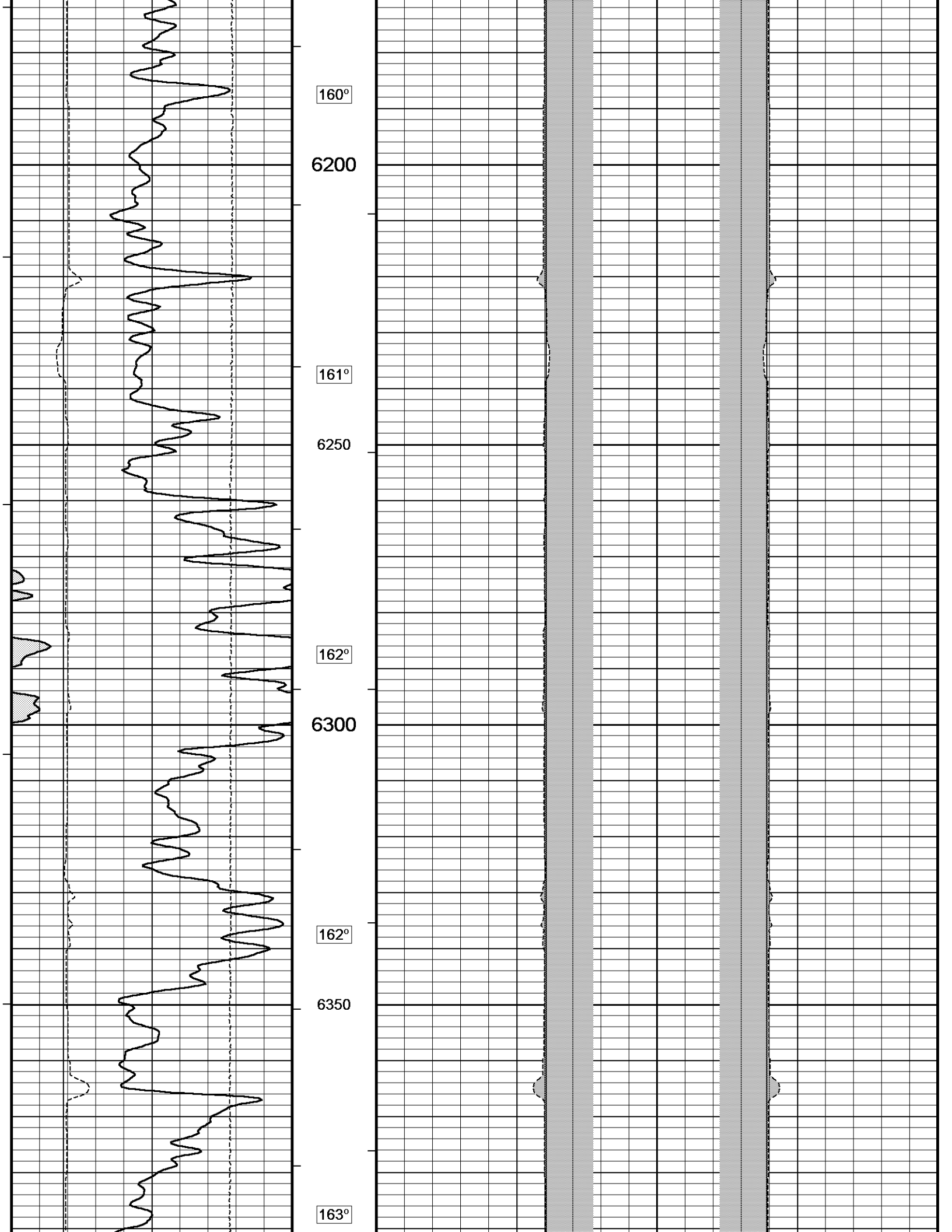


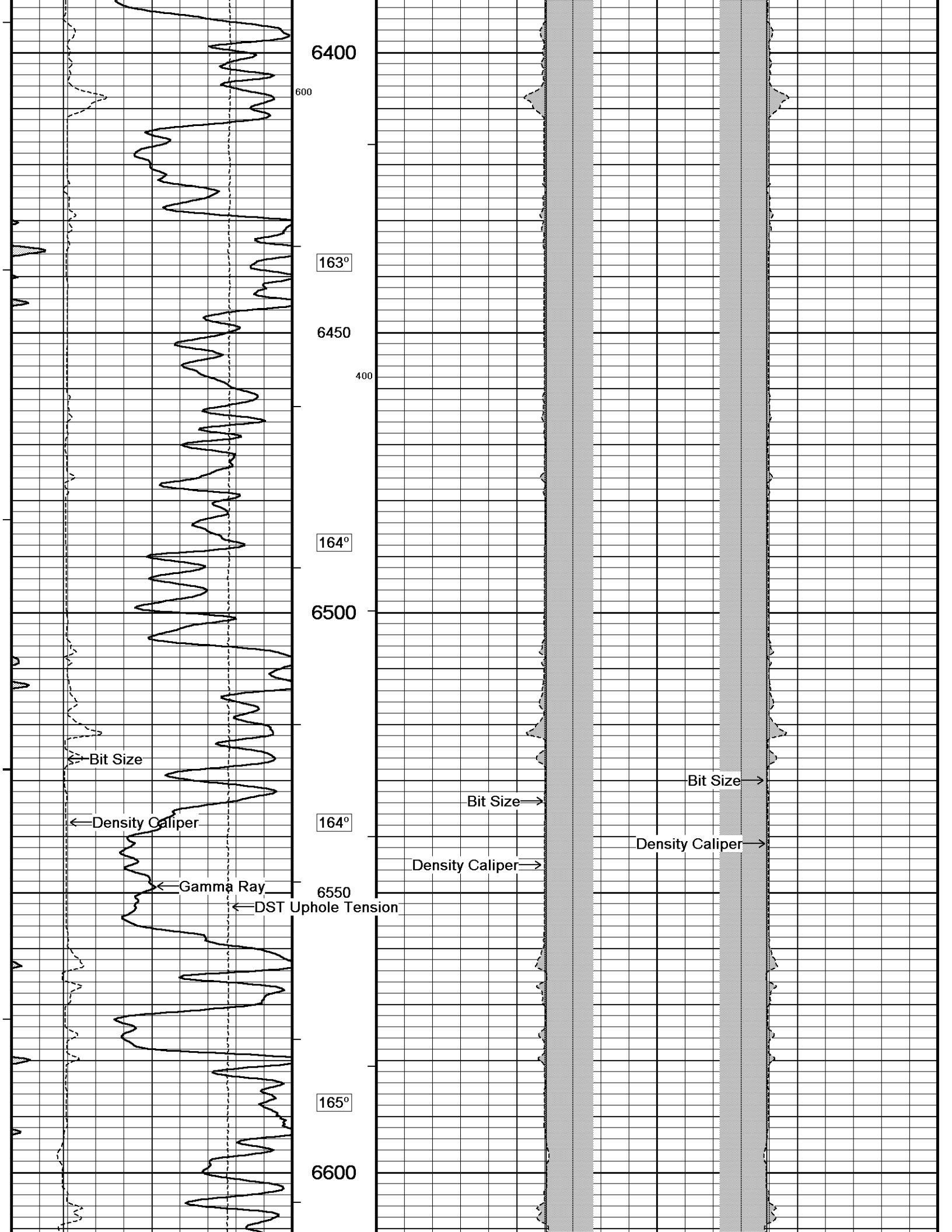


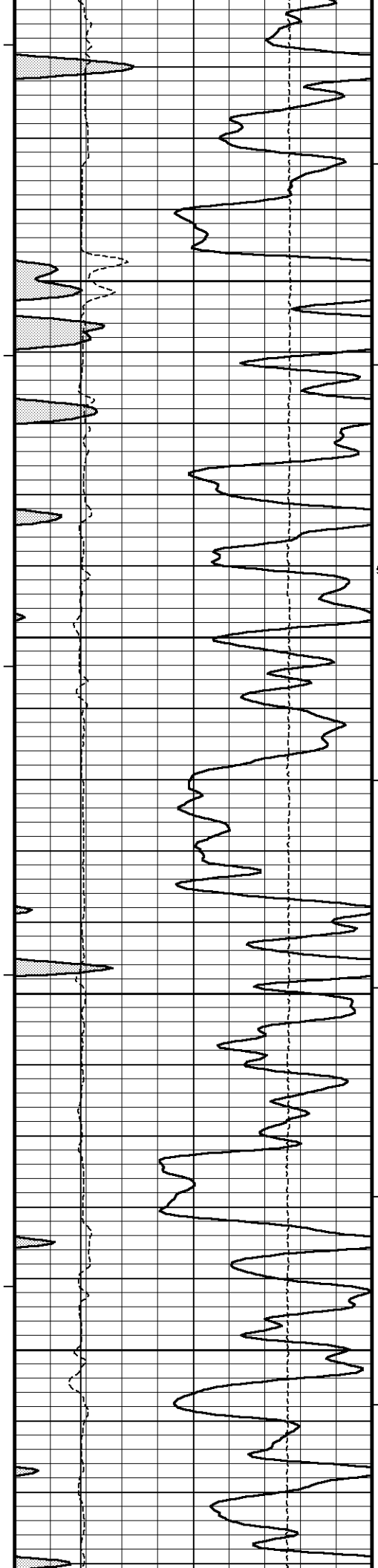












166°

6650

167°

500

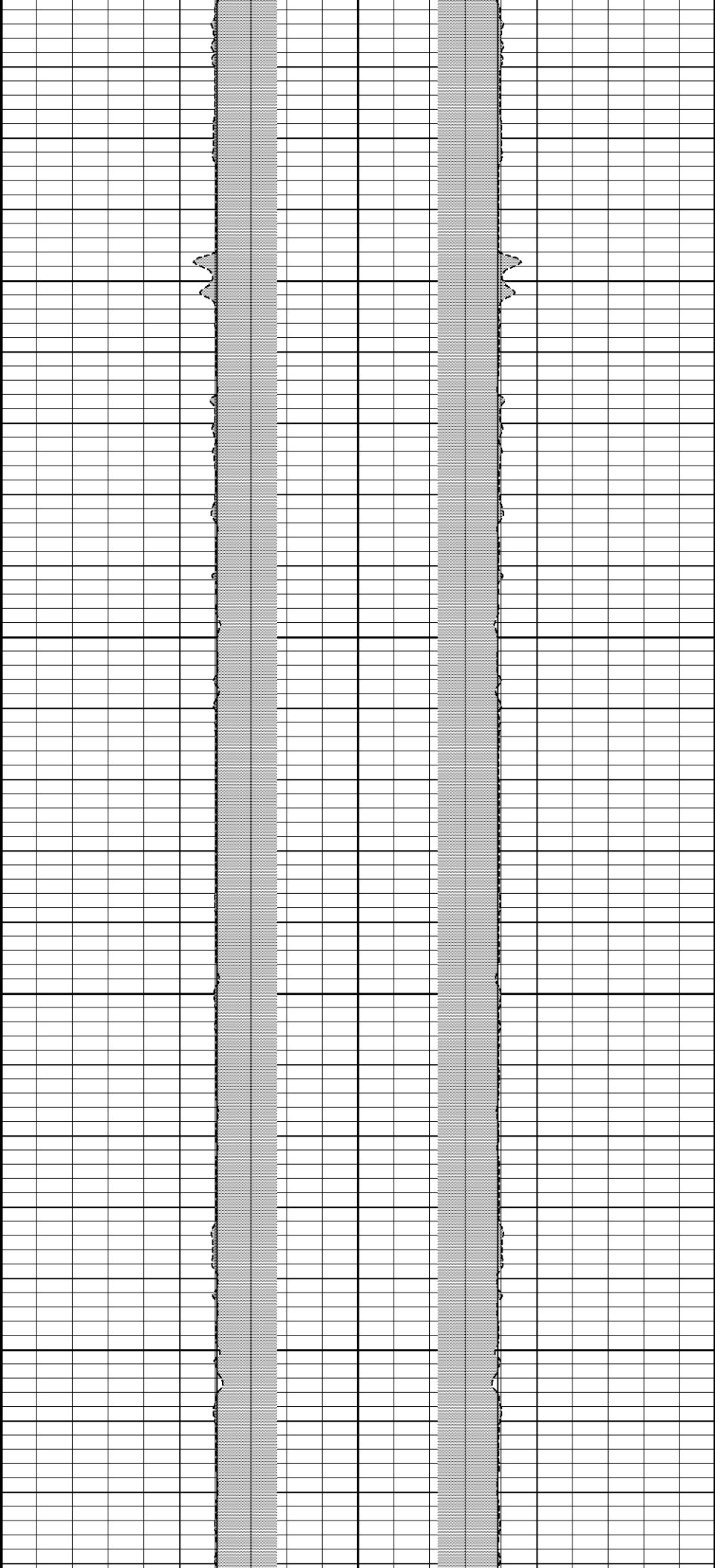
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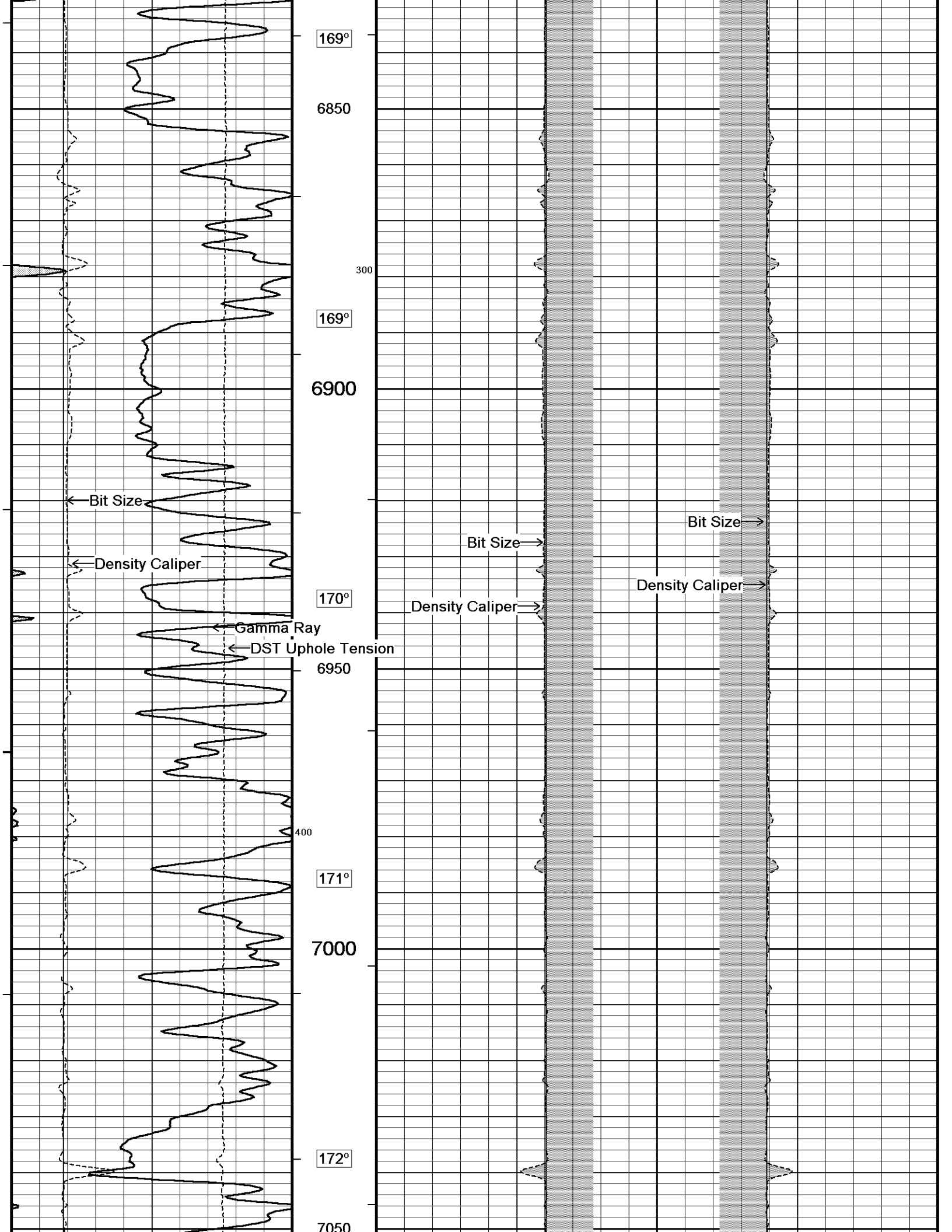
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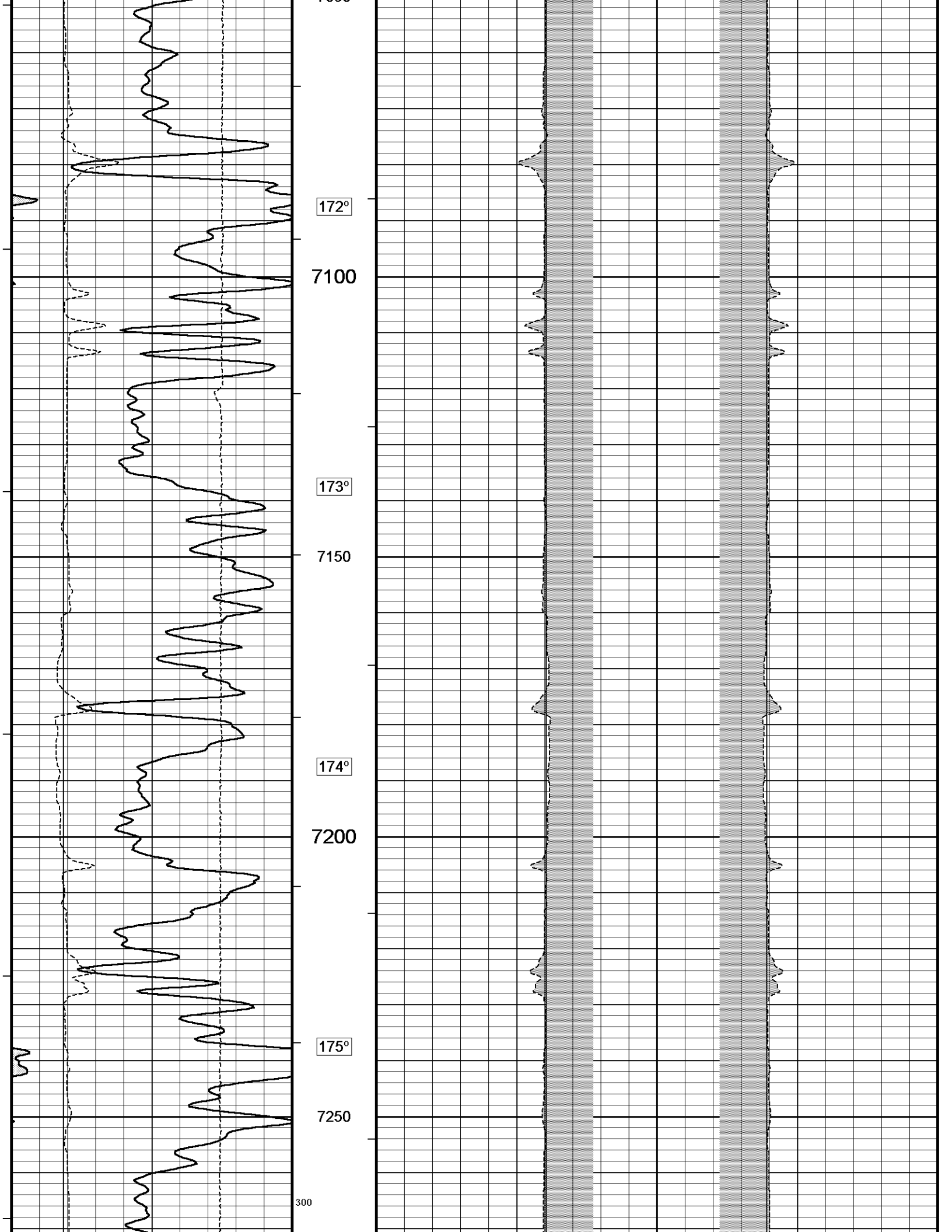
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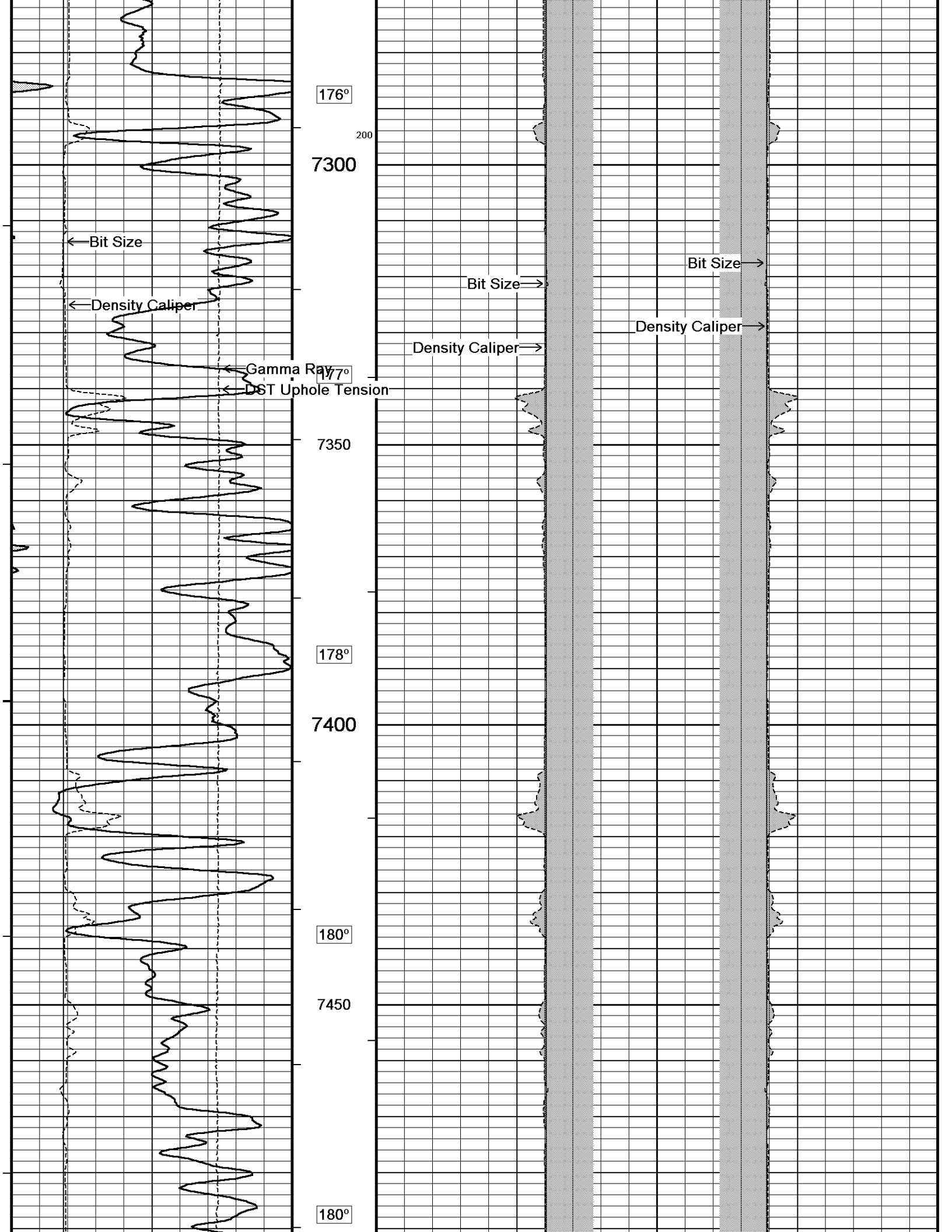
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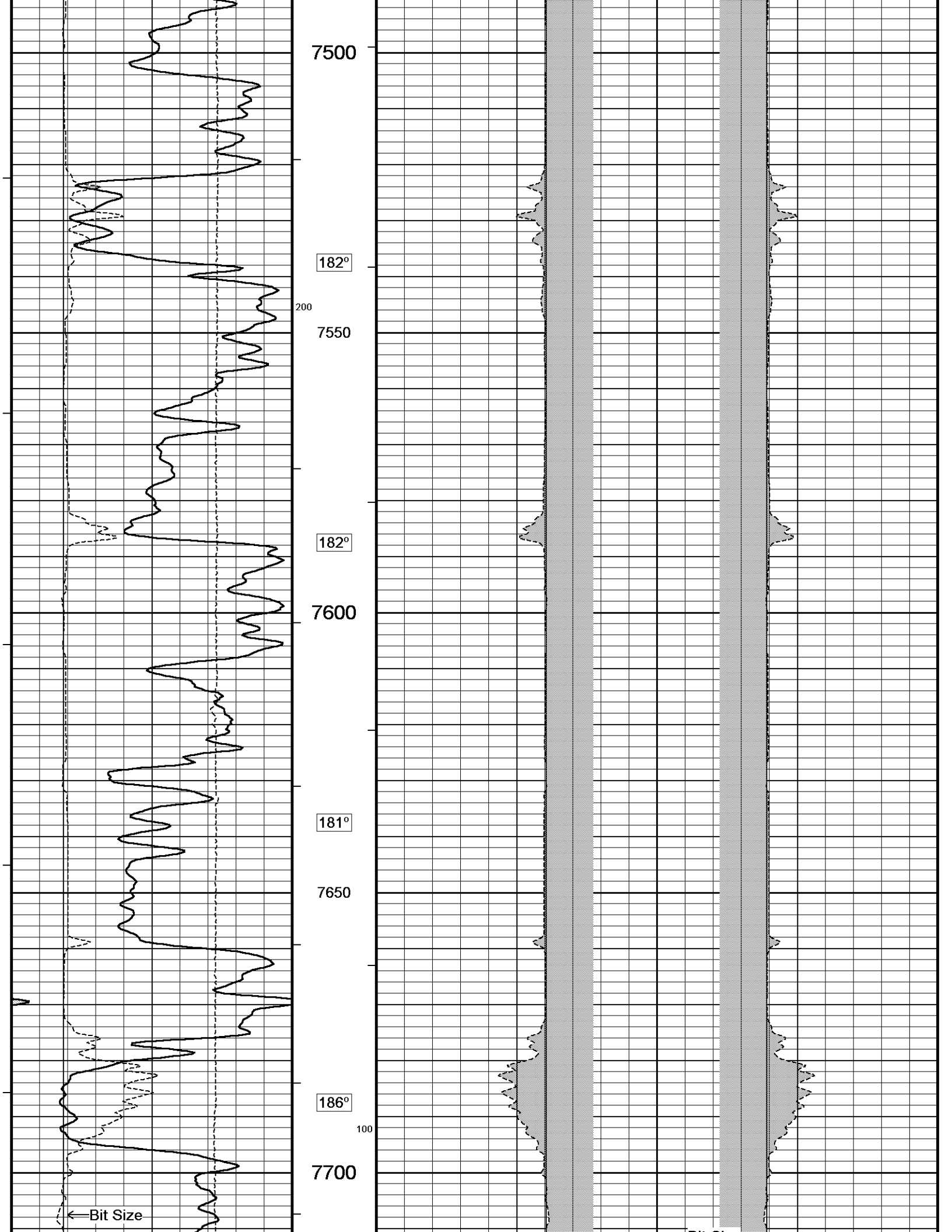
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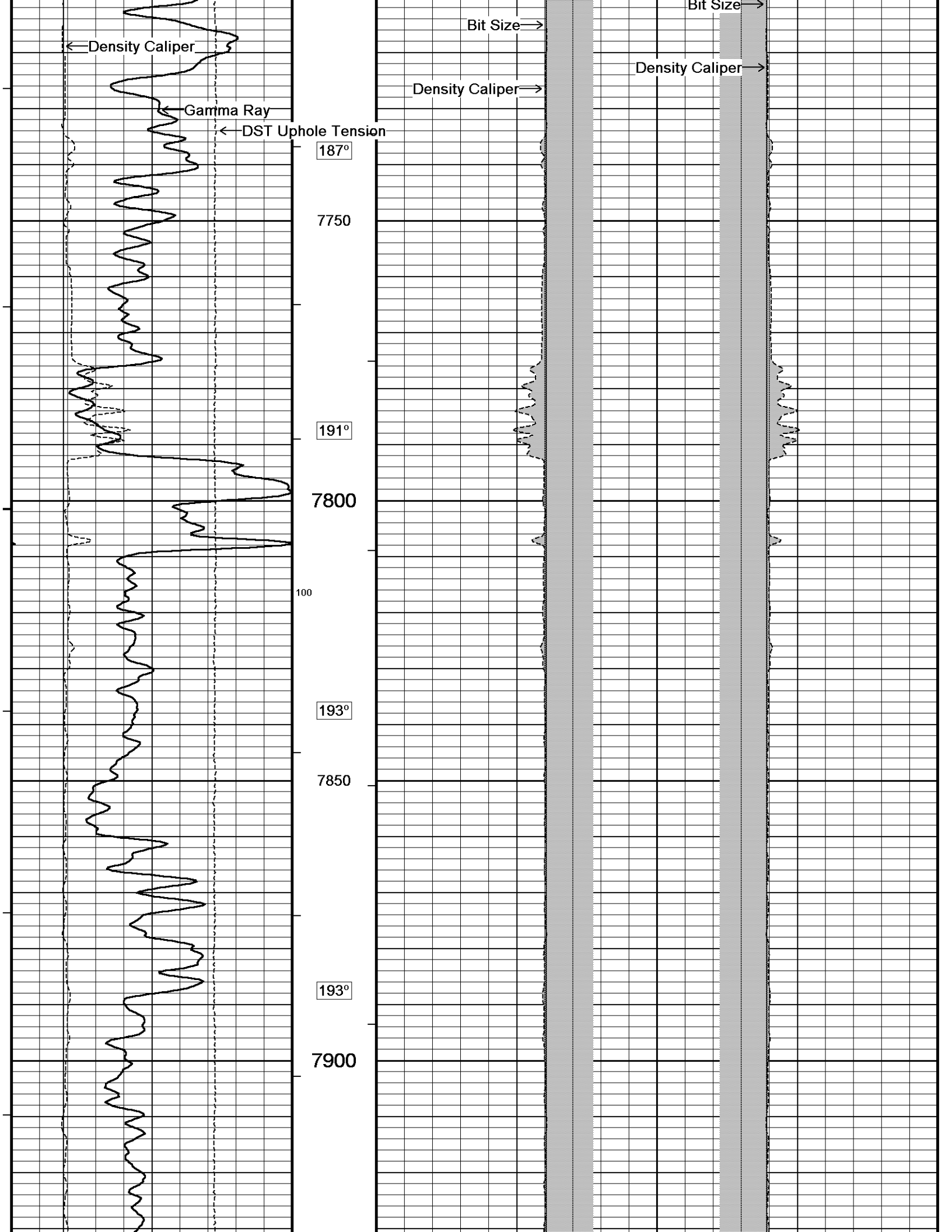


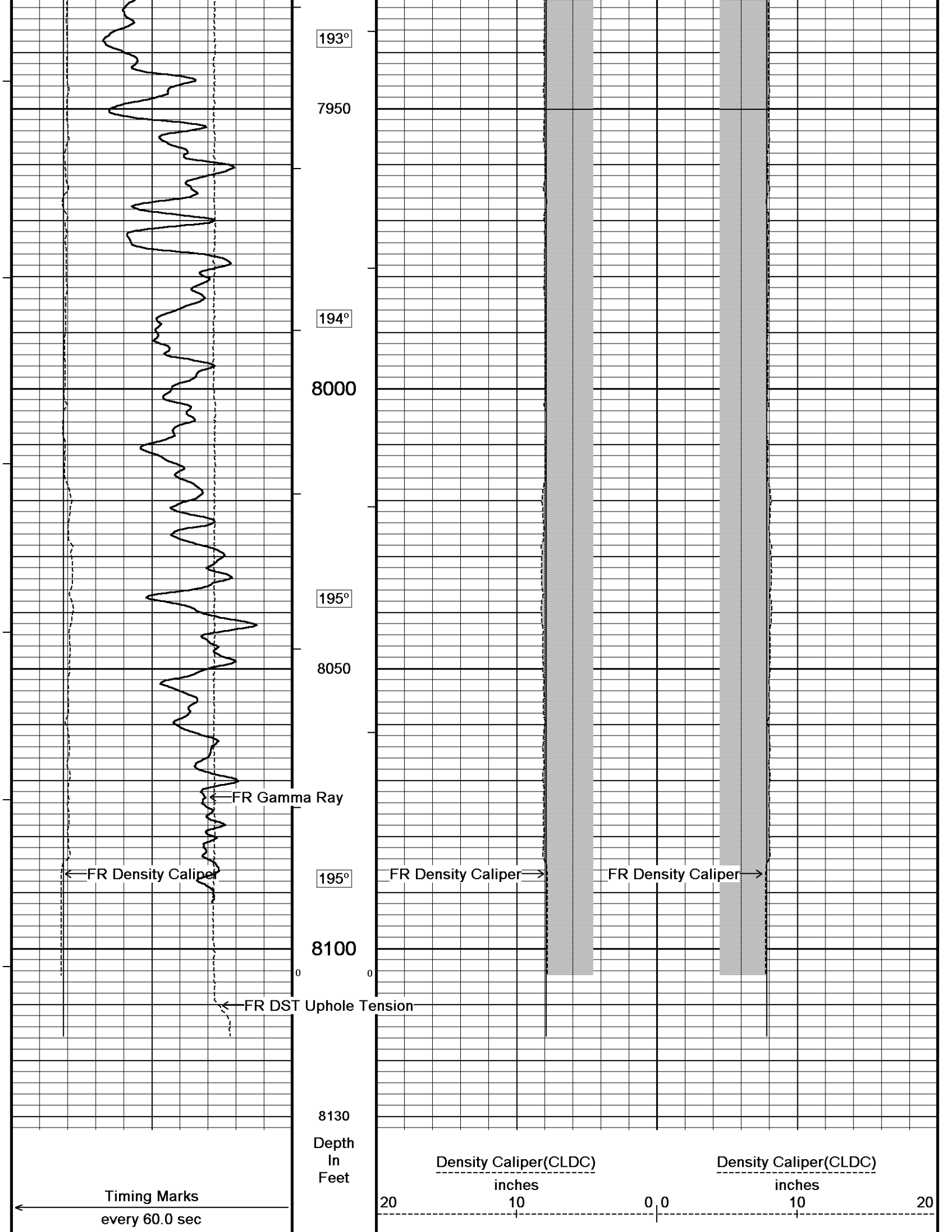


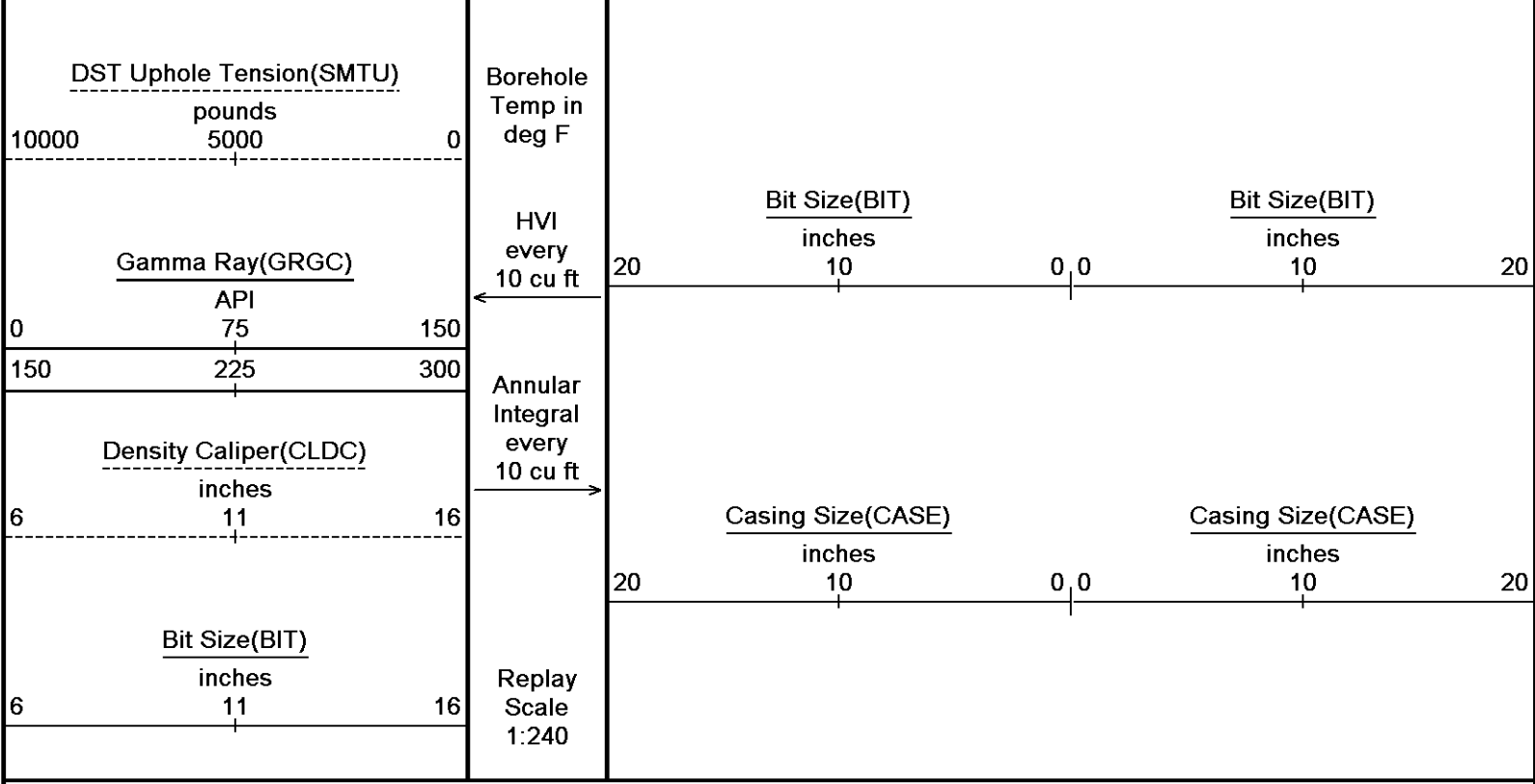












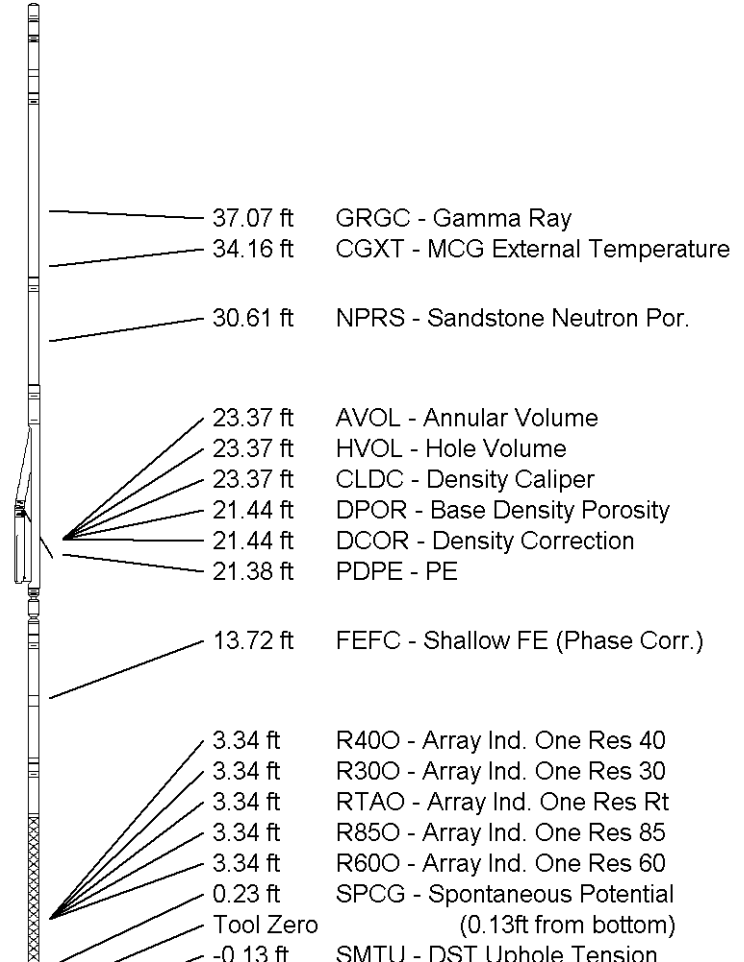
Depth Based Data - Maximum Sampling Increment 10.0cm
 Plotted on 16-JUN-2011 06:43
 Filename: C:\LOGS\Bill Barrett\CB-TG Land 11C-20-692\MAIN.dta
 Recorded on 16-JUN-2011 03:05
 System Versions: Logged with 11.03.3657 Plotted with 11.03.3657

5 INCH MAIN LOG

DOWNHOLE EQUIPMENT

C:\LOGS\Bill Barrett\CB-TG Land 11C-20-692\MAIN.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
- SHA-J.A Compact Swivel Head Adaptor
SHA-J.A 314 LG: 2.30 ft WT: 22.0 lb OD: 2.24 in
- Compact Comms Gamma
MCG-D.A 287 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: 46.23 ft Weight: 363.8 lb**





All measurements relative to tool zero.

COMPANY BILL BARRETT CORPORATION
 WELL CB TG LAND 11C-20-692
 FIELD MAMM CREEK
 PROVINCE/COUNTY GARFIELD
 COUNTRY/STATE U.S.A. / COLORADO

Elevation Kelly Bushing	5553.00	feet	First Reading	8087.00	
Elevation Drill Floor	5553.00	feet	Depth Driller	8110.00	feet
Elevation Ground Level	5530.00	feet	Depth Logger	8110.00	feet



Weatherford[®]

HOLE VOLUME
CALIPER LOG

