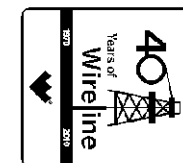




Weatherford

HOLE VOLUME CALIPER LOG



COMPANY **BILL BARRETT CORPORATION**
WELL **GGU FEDERAL 42C-29-691**
FIELD **GIBSON GULCH**
PROVINCE/COUNTY **GARFIELD**
COUNTRY/STATE **U.S.A. / COLORADO**
LOCATION **SHL: 1234' FNL & 1312' FEL**
BHL: 1800' FNL & 664' FEL

SEC	TWP	RGE	Other Services	
29	6S	91W	MPD/MDN	
API Number		05-045-19800	MAI/MFE	
Permit Number				
Permanent Datum G.L., Elevation 6104 feet				
Log Measured From K.B. @ 23 FEET above Permanent Datum				
Drilling Measured From K.B.				
Date	31-JAN-2011			Elevations: KB 6127.00 DF 6126.00 GL 6104.00
Run Number	ONE			
Depth Driller	7435.00		feet	
Depth Logger	7433.00		feet	
First Reading	7411.00			
Last Reading	844.00			
Casing Driller	844.00		feet	
Casing Logger	848.00		feet	
Bit Size	7.880		inches	
Hole Fluid Type	LSND			
Density / Viscosity	10.60	lb/USg	60.00	CP
PH / Fluid Loss	9.30		6.80	ml/30Min
Sample Source	FLOW LINE			
Rm @ Measured Temp	4.60 @ 71.0		ohm-m	
Rmf @ Measured Temp	3.68 @ 71.0		ohm-m	
Rmc @ Measured Temp	5.52 @ 71.0		ohm-m	
Source Rmf / Rmc	CALC		CALC	
Rm @ BHT	1.81 @184.0		ohm-m	
Time Since Circulation	5 HOURS			
Max Recorded Temp	184.00		deg F	
Equipment Name	COMPACT			
Equipment / Base	13173		GD JCT	
Recorded By	S.LACKEY			
Witnessed By	C. CROW			

BOREHOLE RECORD			Last Edited: 31-JAN-2011 20:43
Bit Size inches	Depth From feet	Depth To feet	
8.750	844.00	3900.00	
7.880	3900.00	7435.00	
CASING RECORD			
Type	Size inches	Depth From feet	Shoe Depth feet
SURFACE	9.625	0.00	844.00
Weight pounds/ft			
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.	
DENSITY POROSITY IS READING HIGH, NEUTRON POROSITY AND DCOR ARE READING LOW DUE TO 5 TO 8% LCM USED IN THE MUD SYSTEM.	
CALIPER CHECK IN CASING PRESENTED. REFERENCE I.D. = 8.94" / 9.5/8" 36 LB/FT CASING)	

Caliper Check in Casing Presented, Reference I.D. = 6.94 (6.94 x 30 LBS FT CASING)

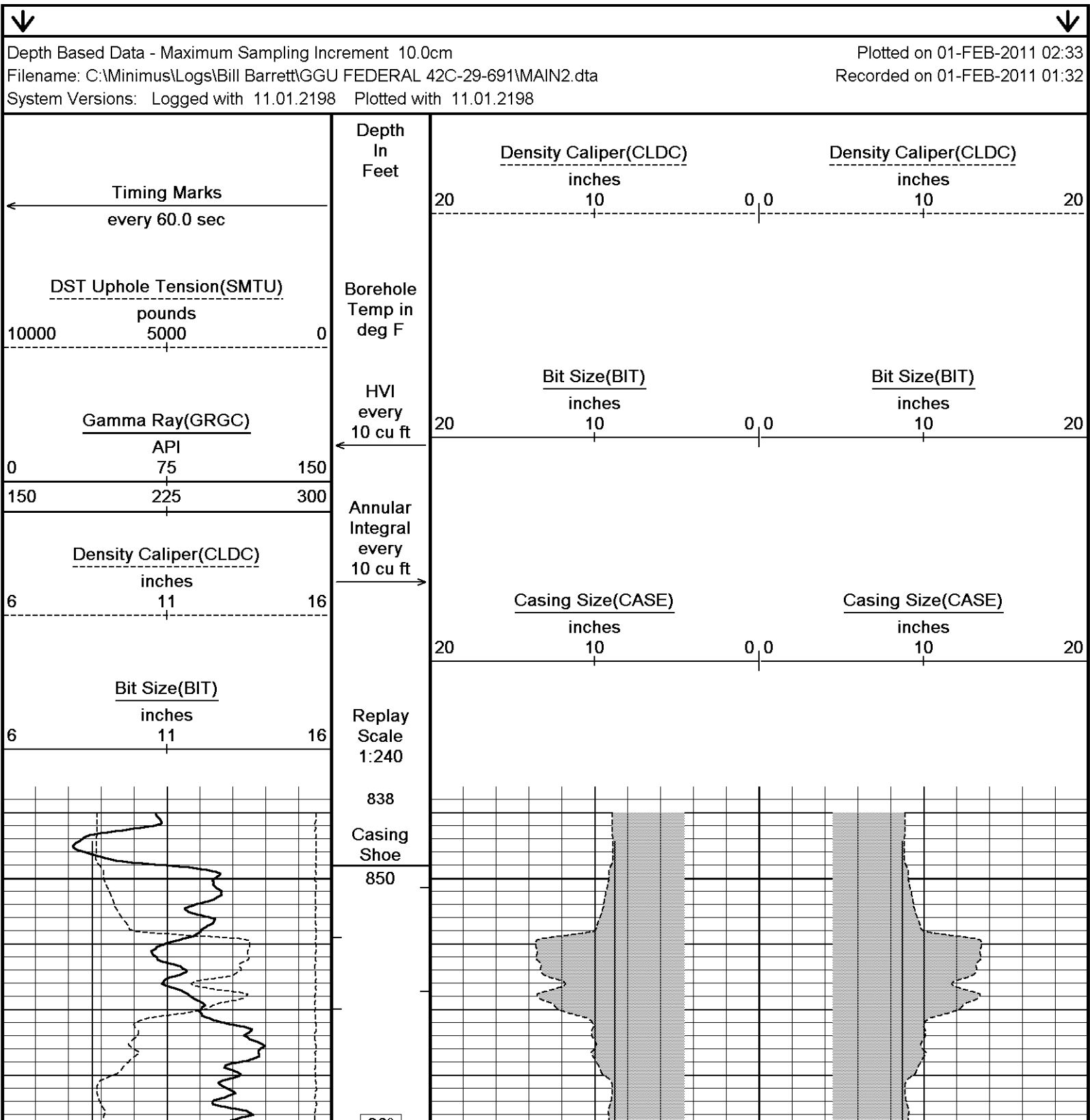
TOTAL HOLE VOLUME FROM TD TO SURFACE CASING = 2540 CU.FT.

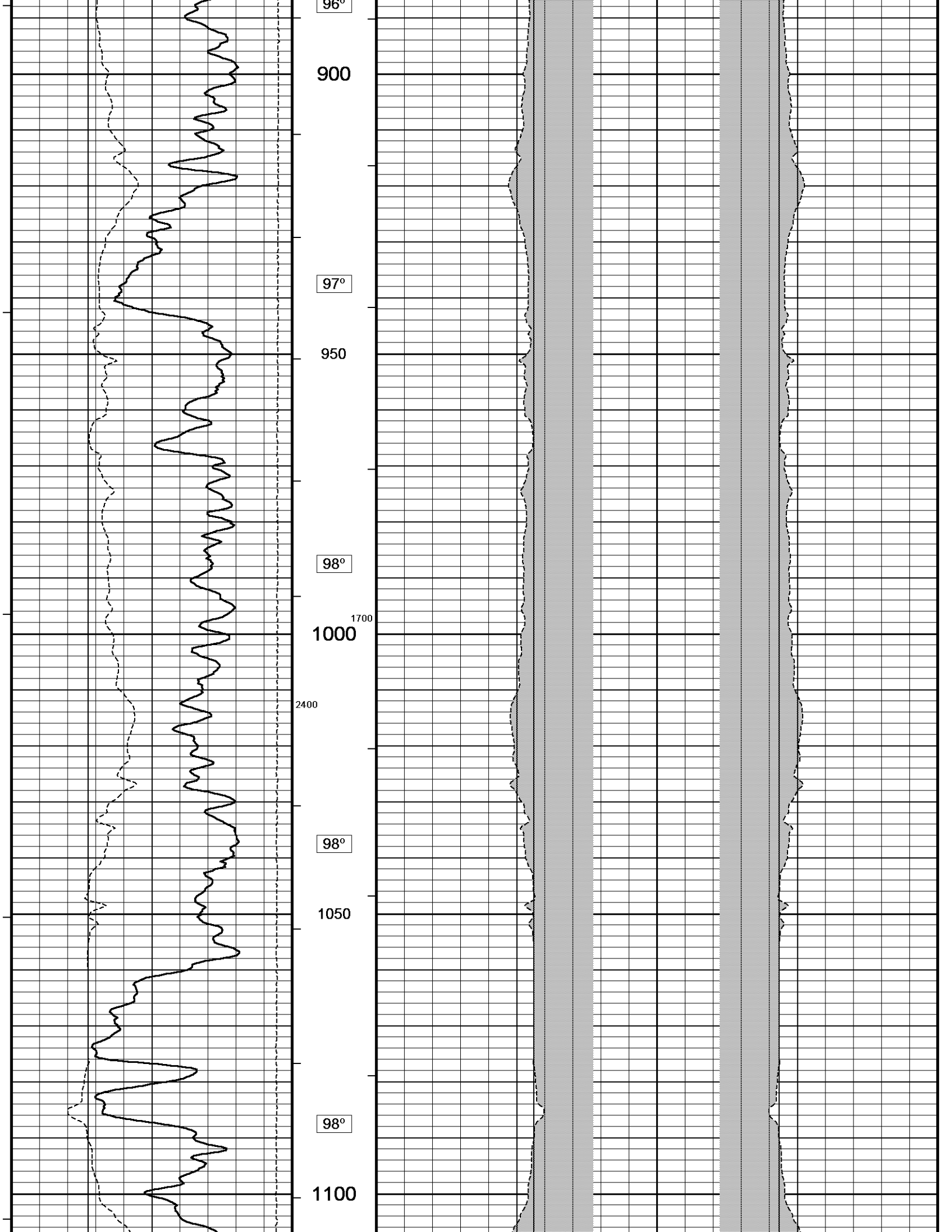
ANNULAR VOLUME WITH 4.5 INCH PRODUCTION CASING = 1760 CU.FT.

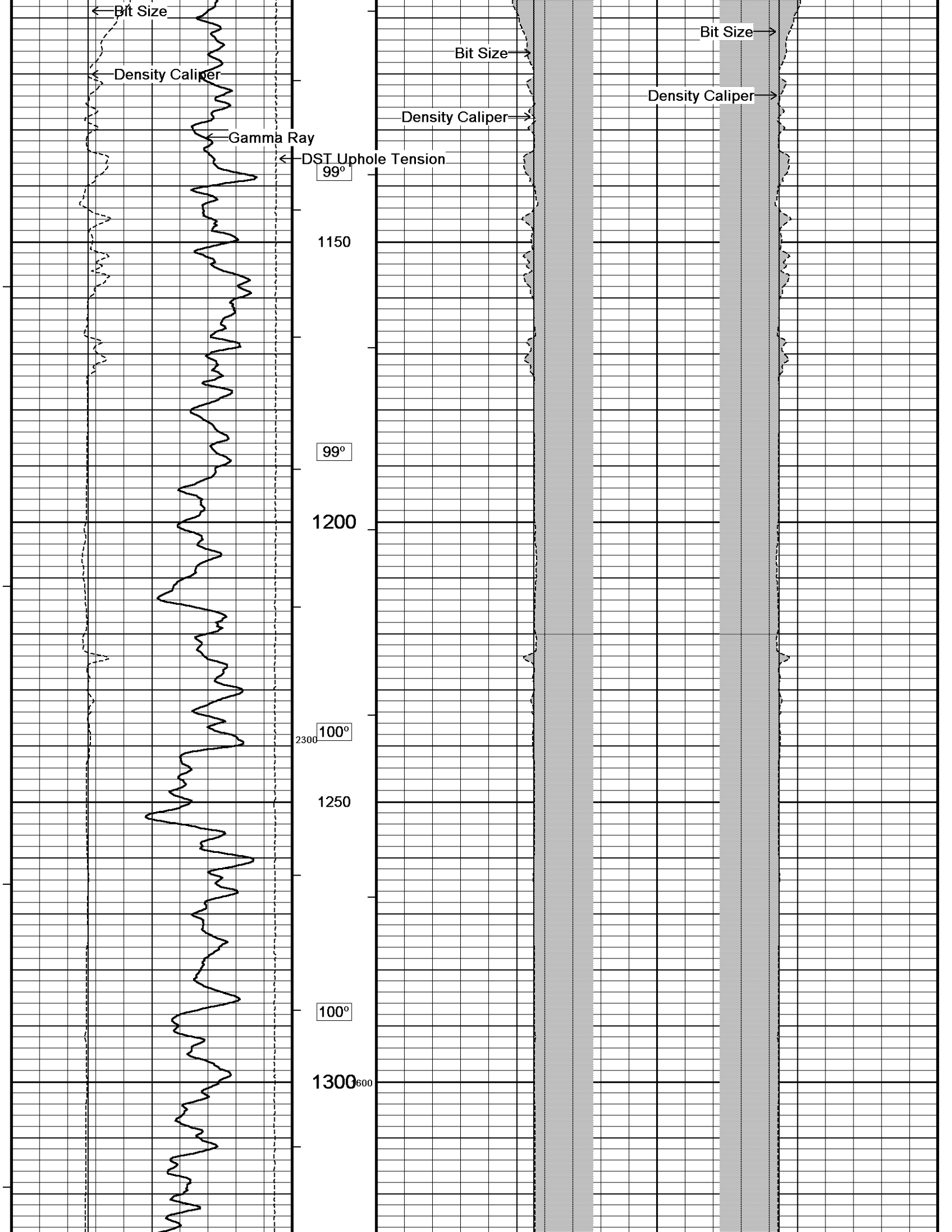
SERVICE ORDER: # 3524978

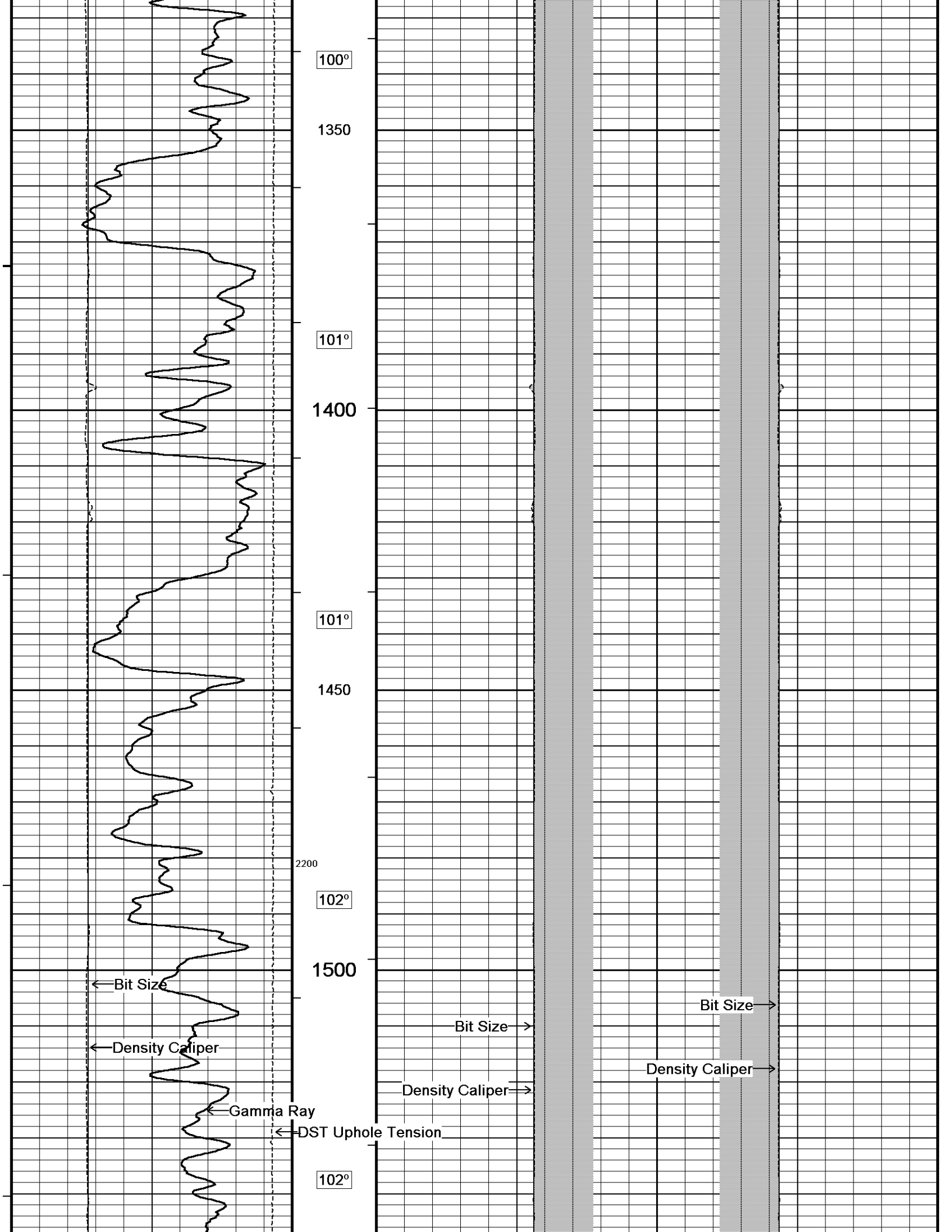
RIG: PATTERSON #307

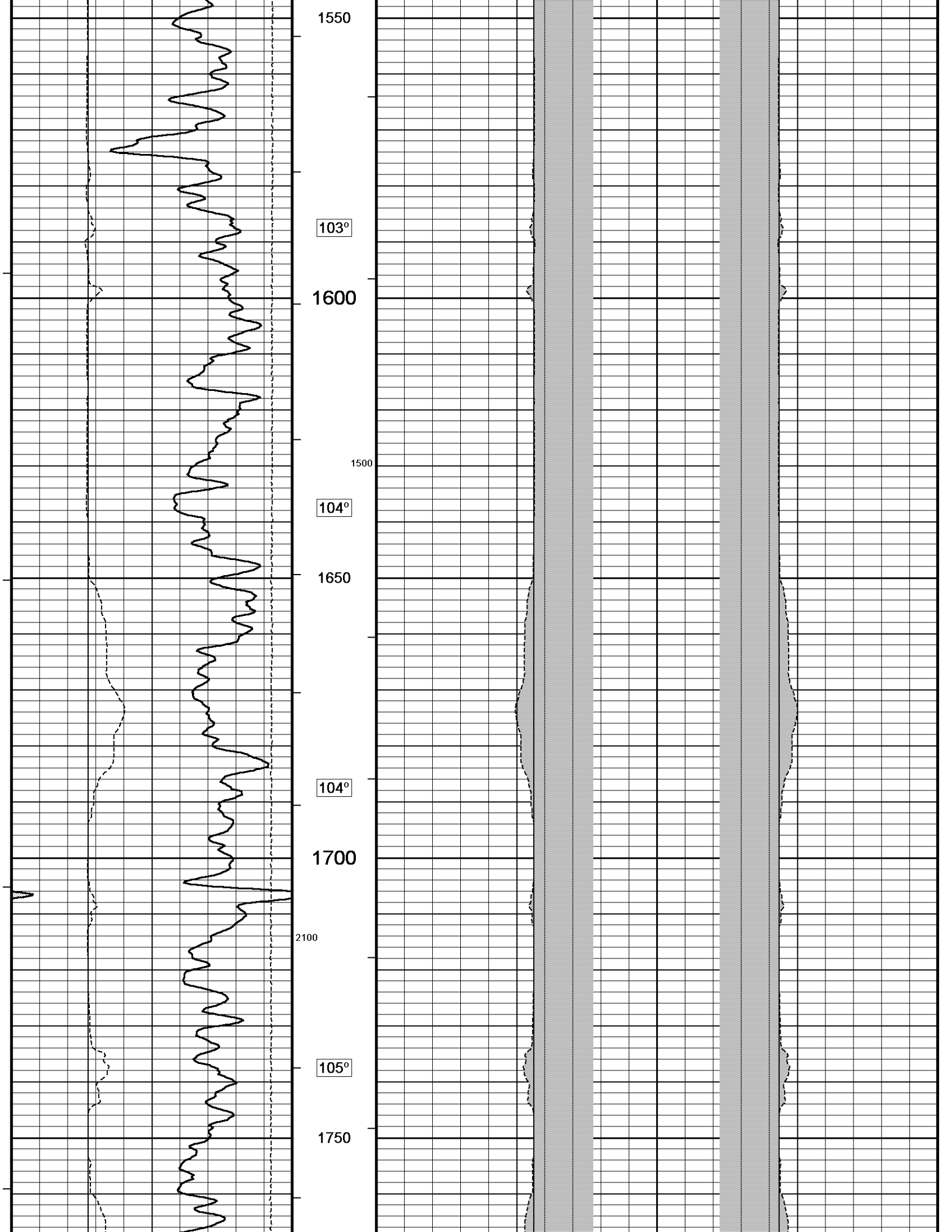
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs,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

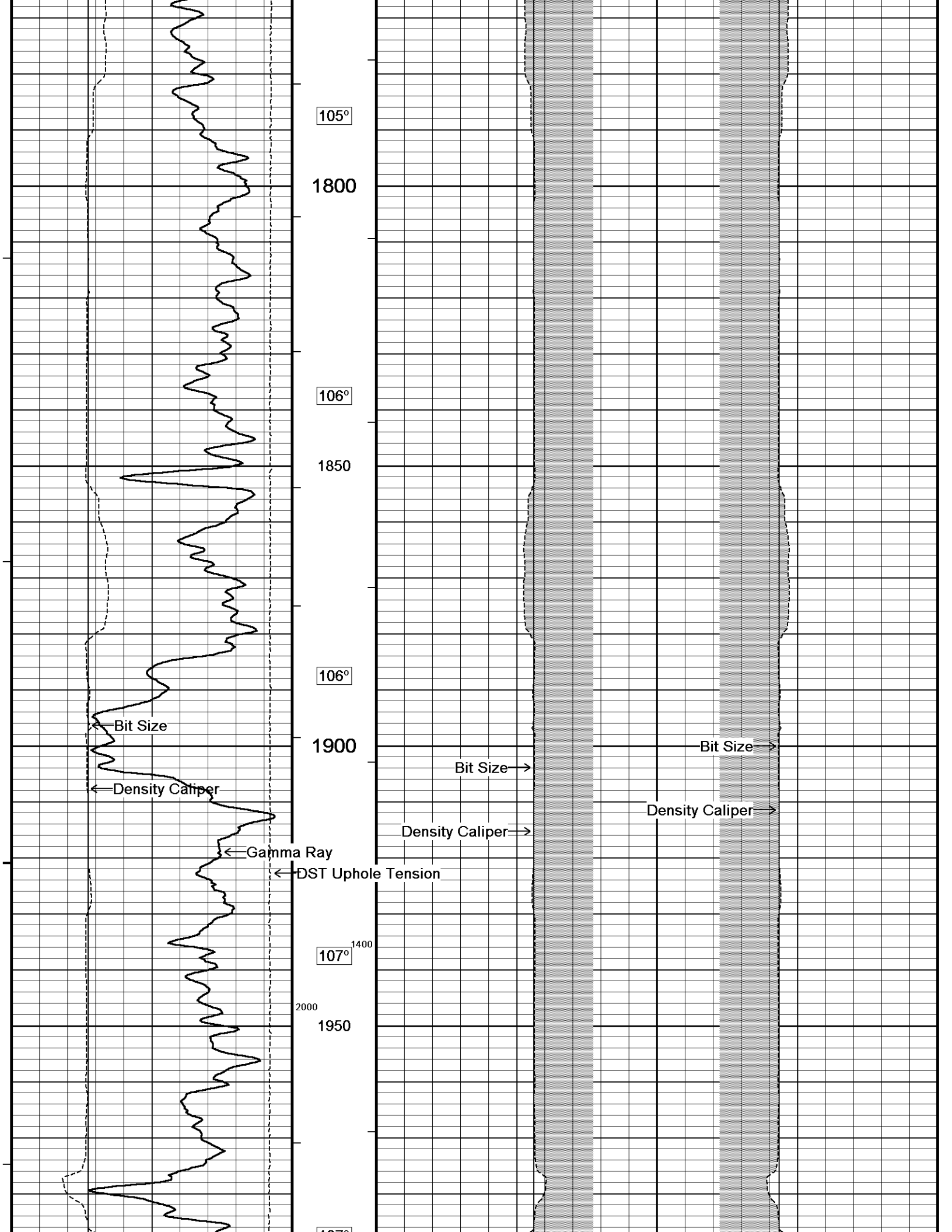


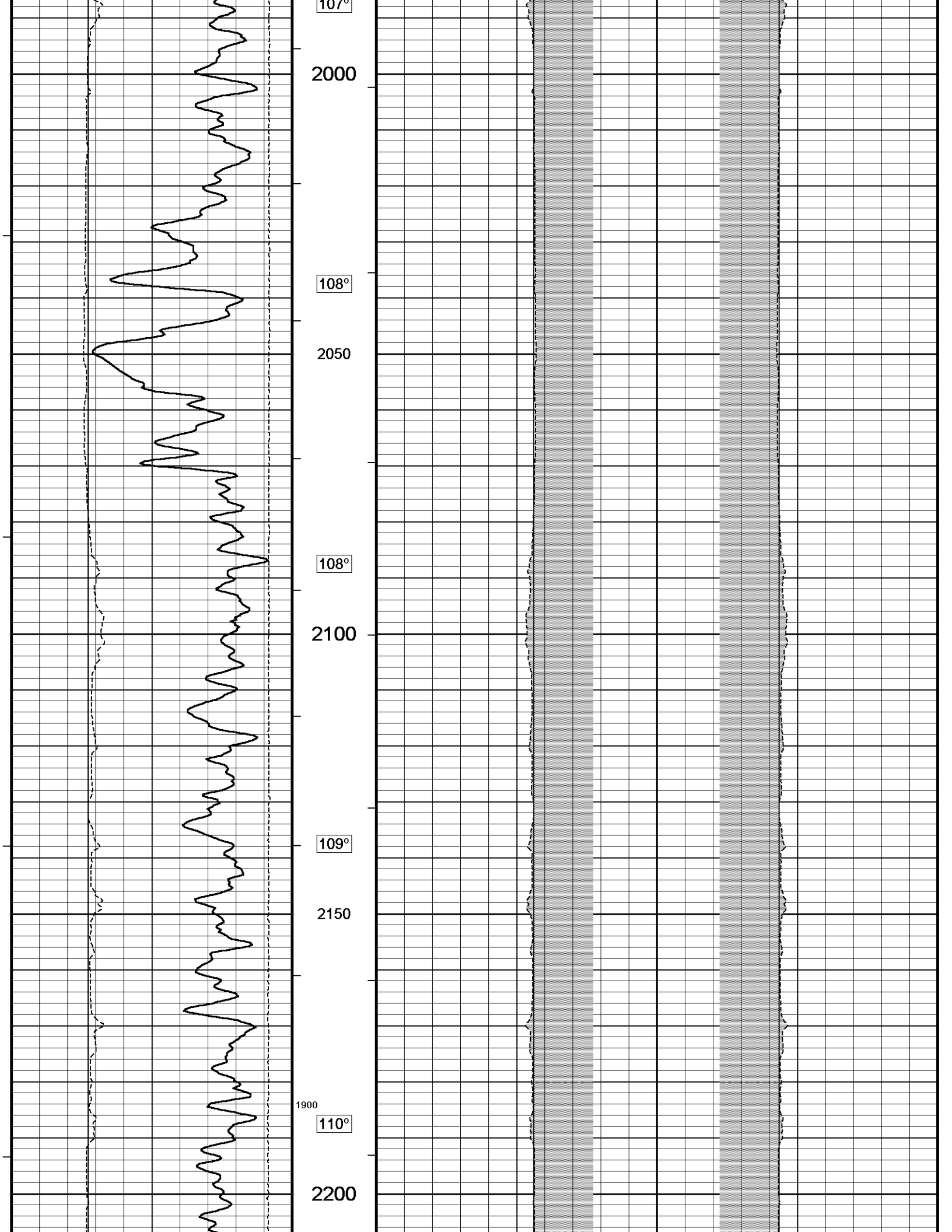


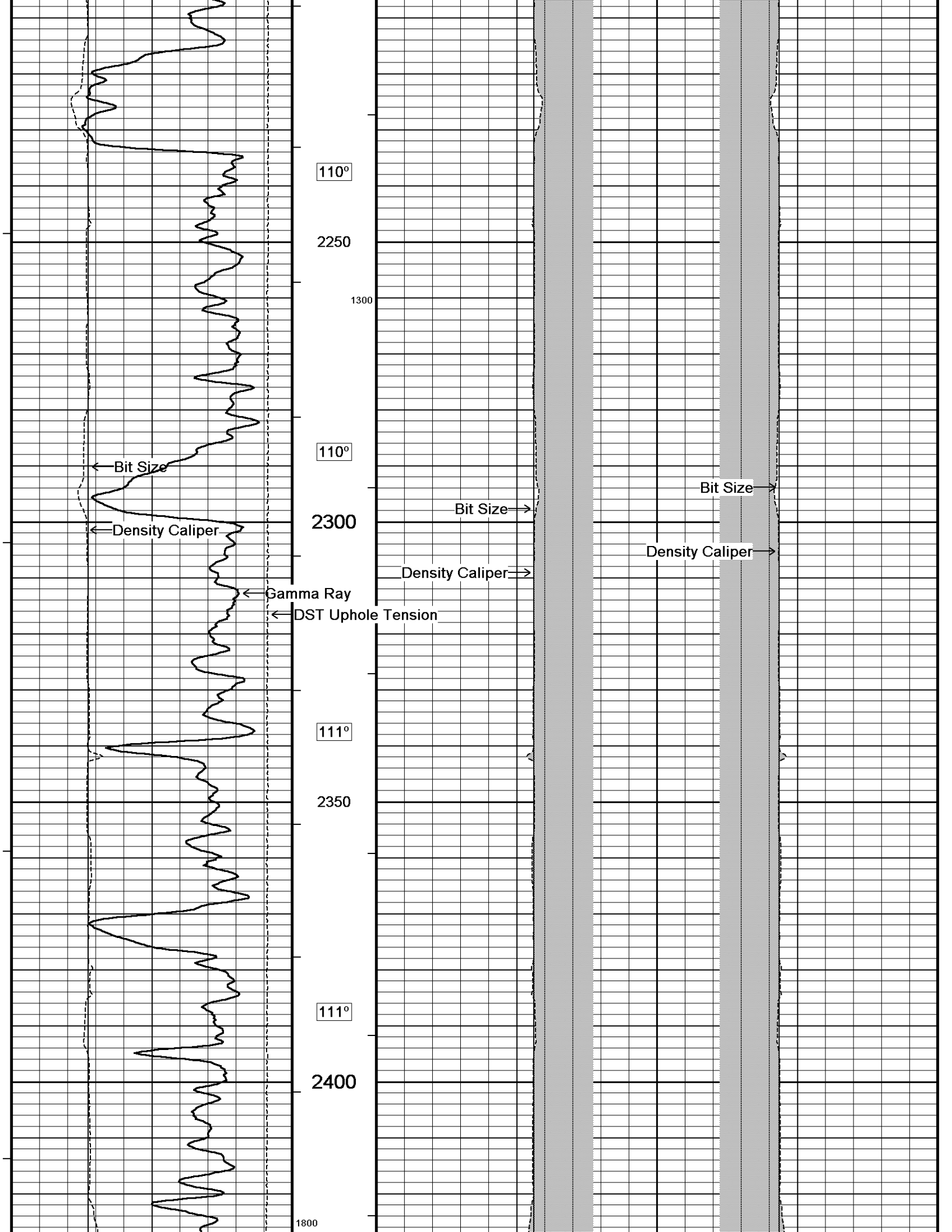


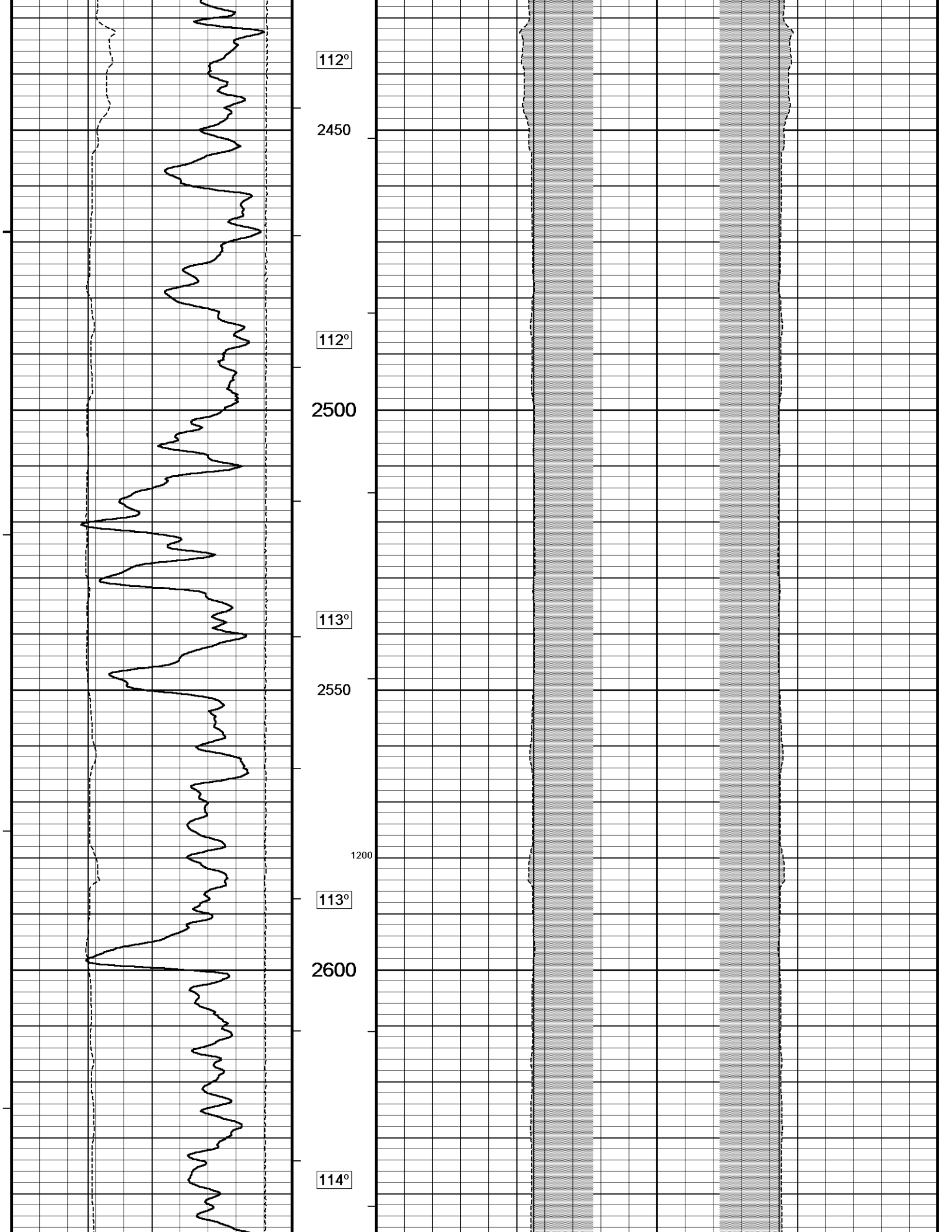


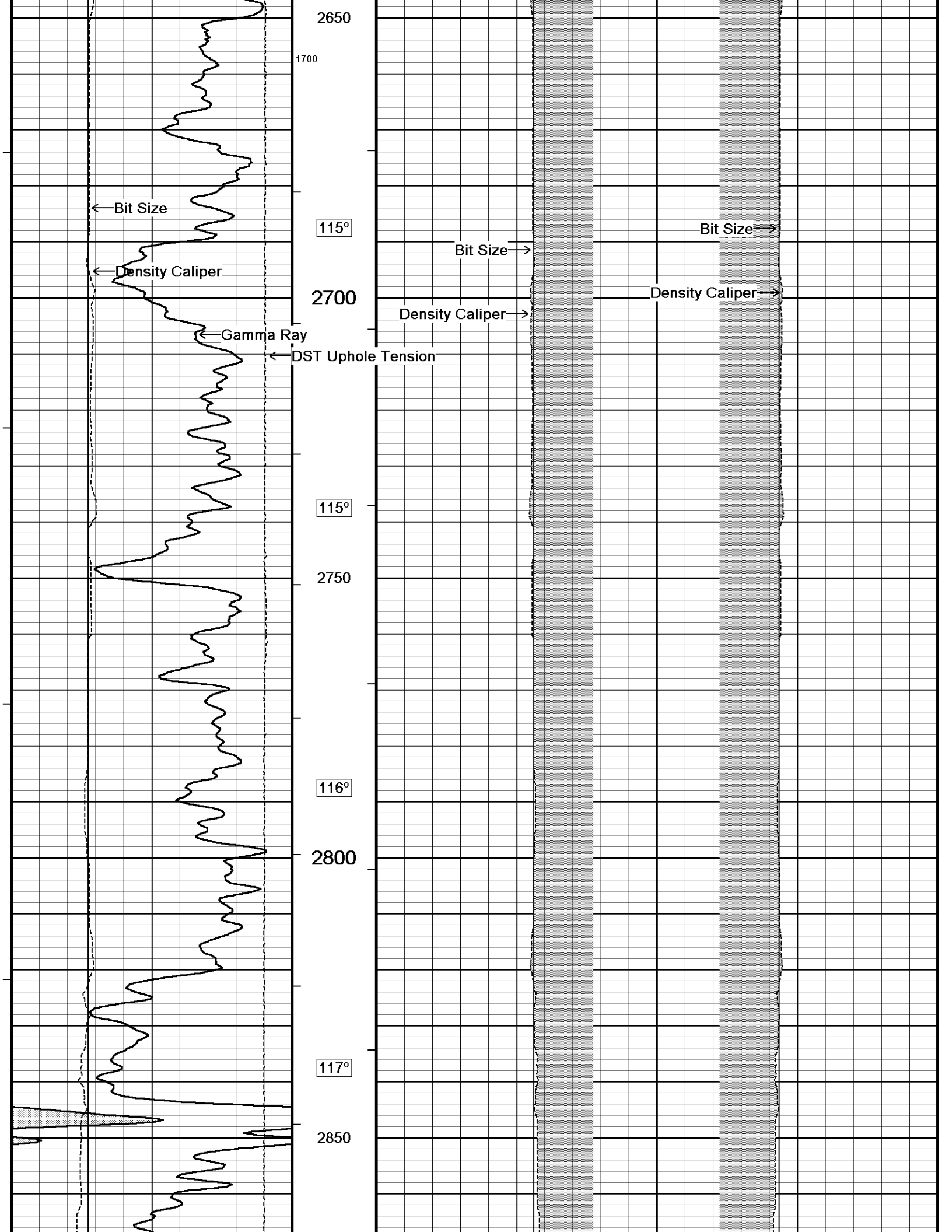


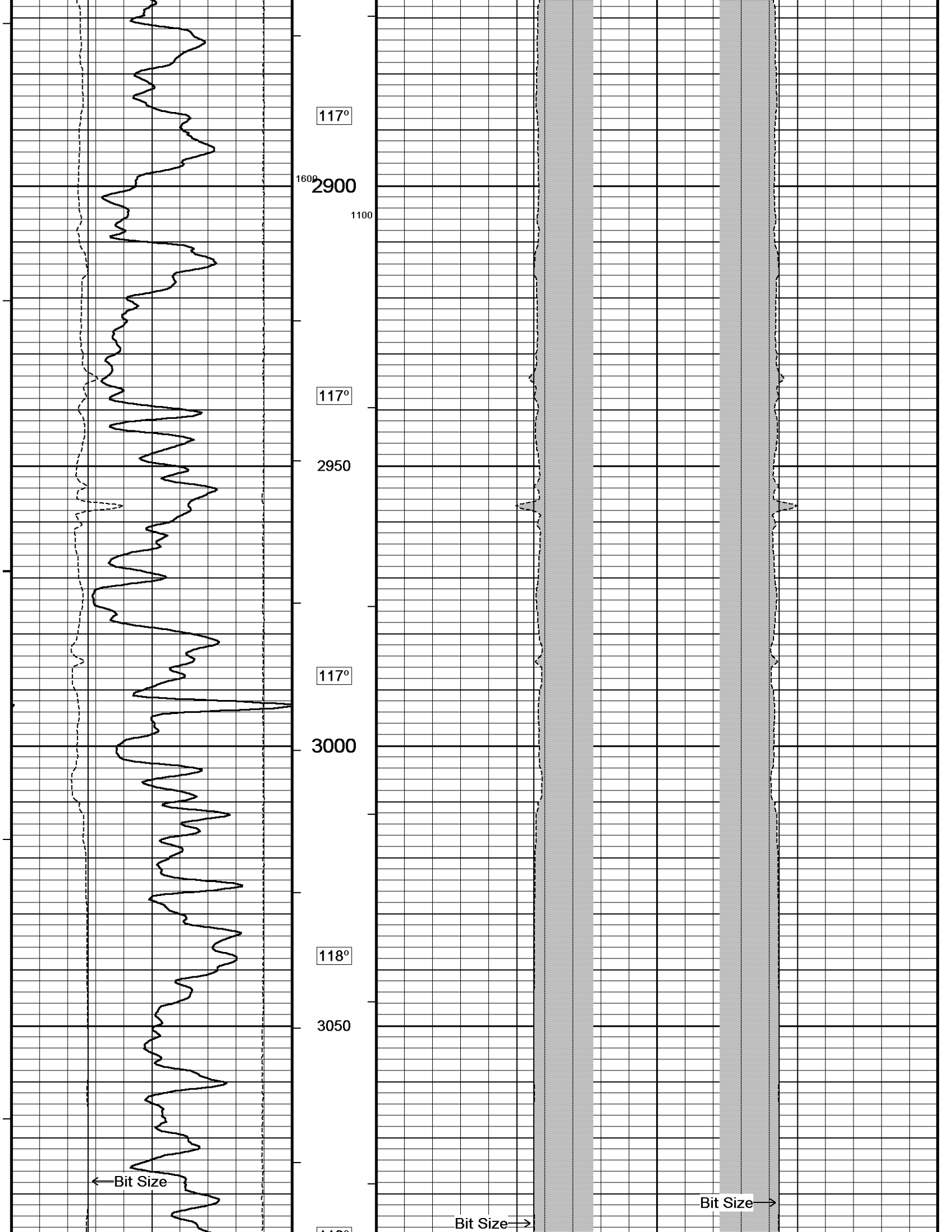


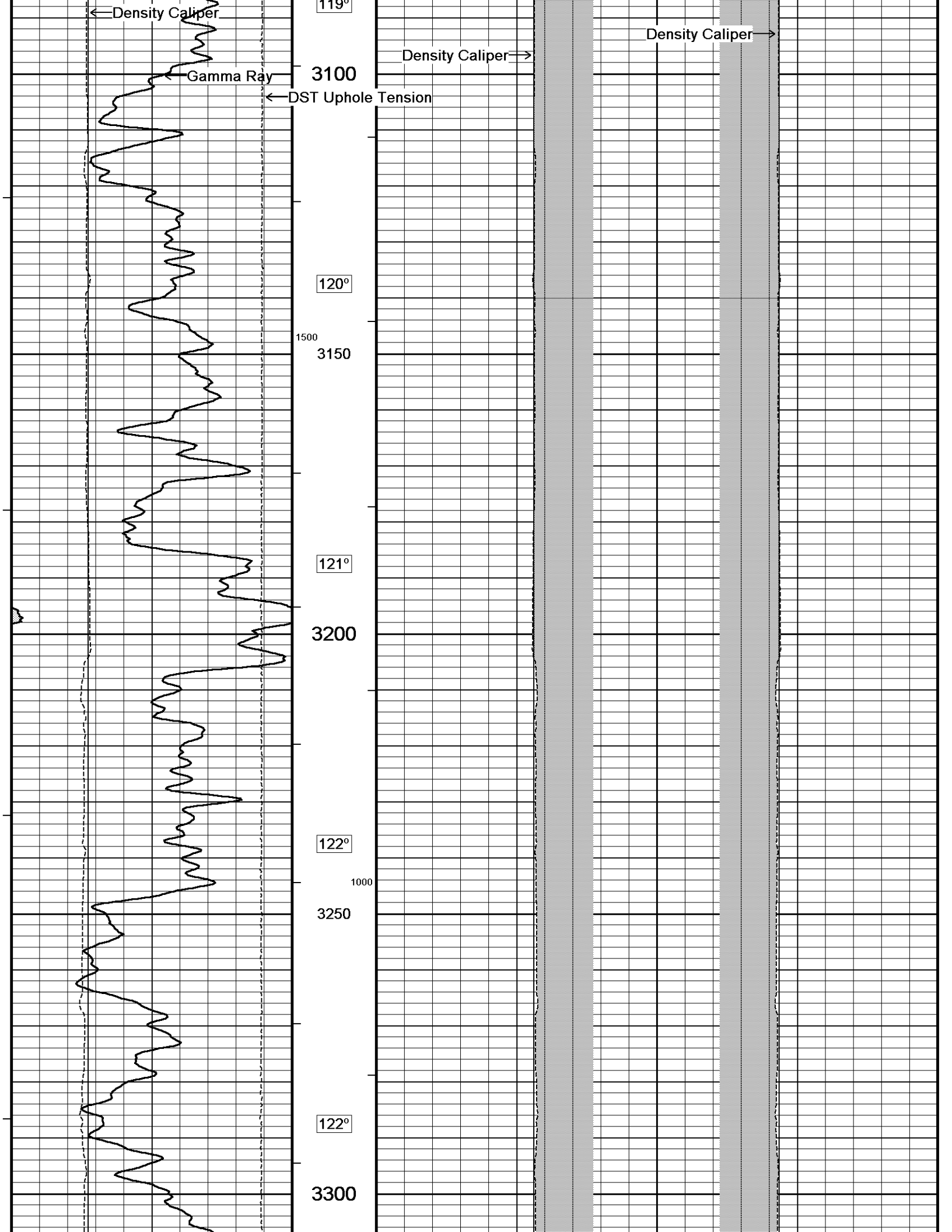


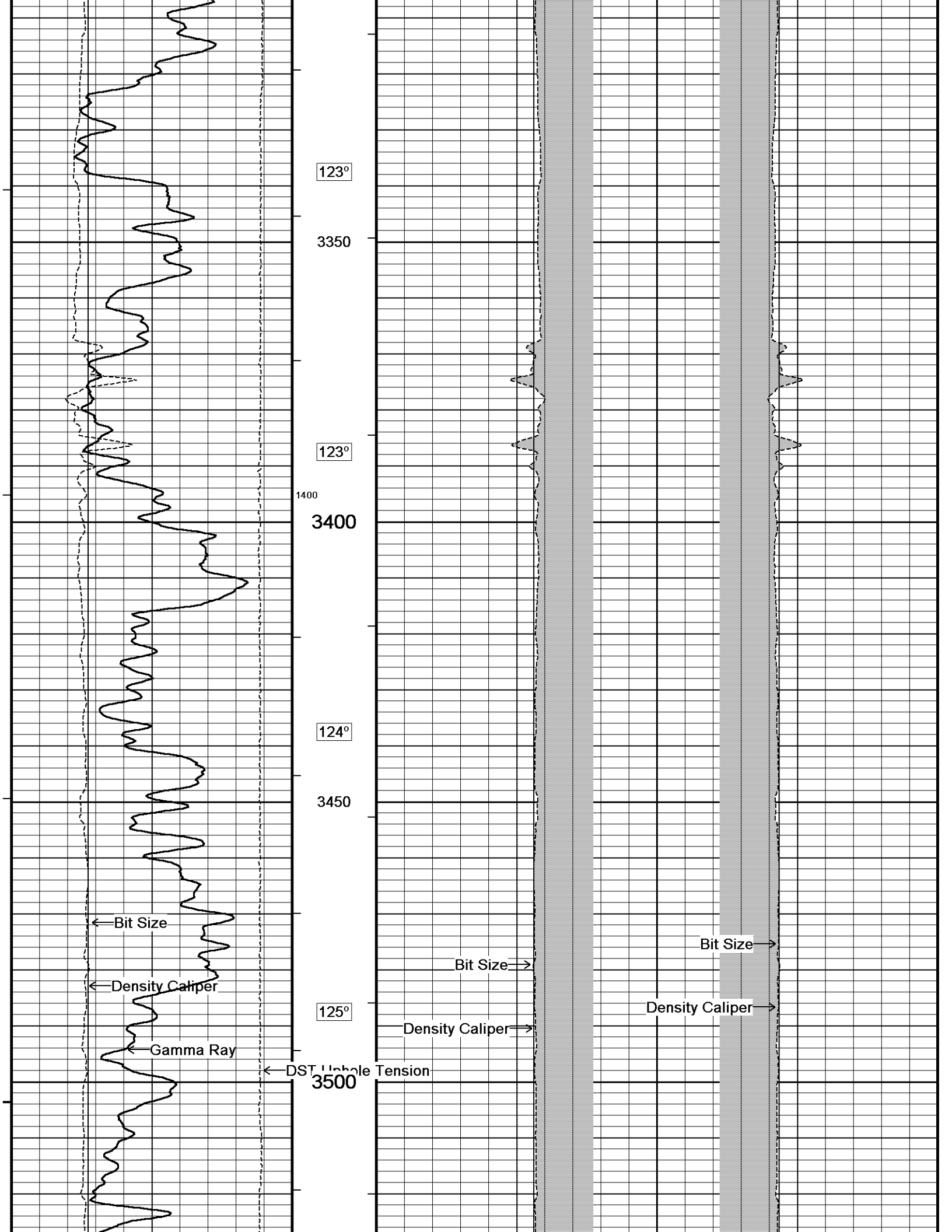


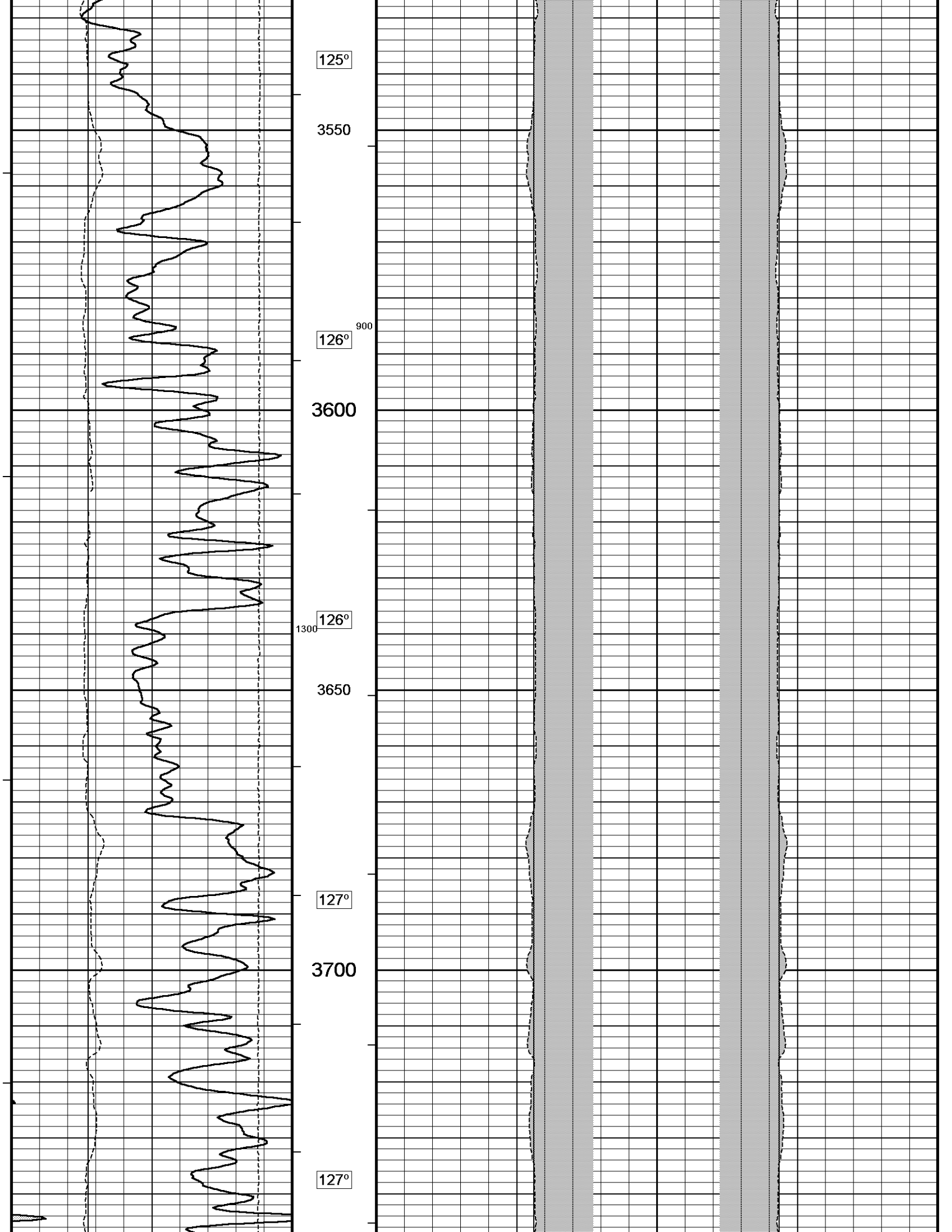


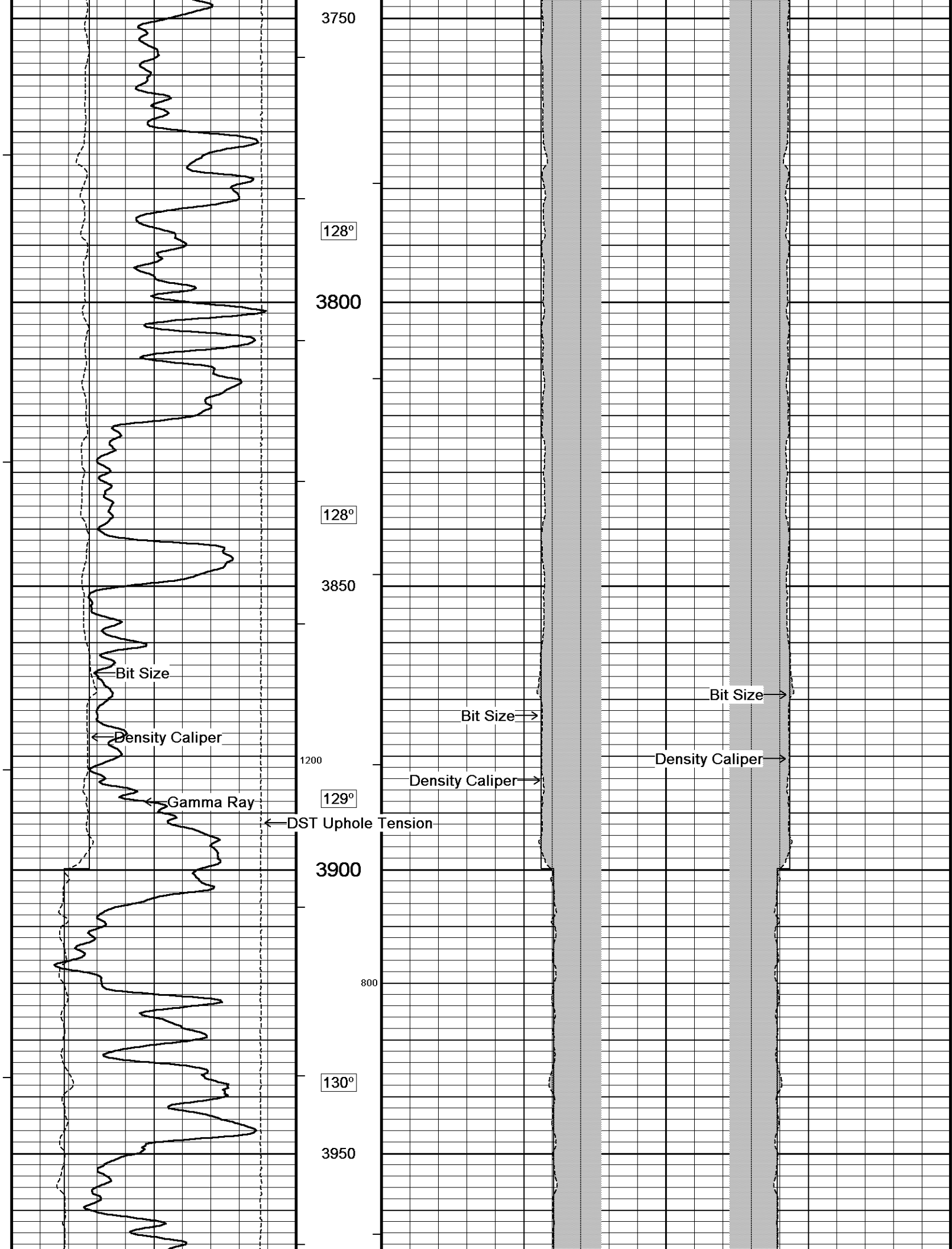


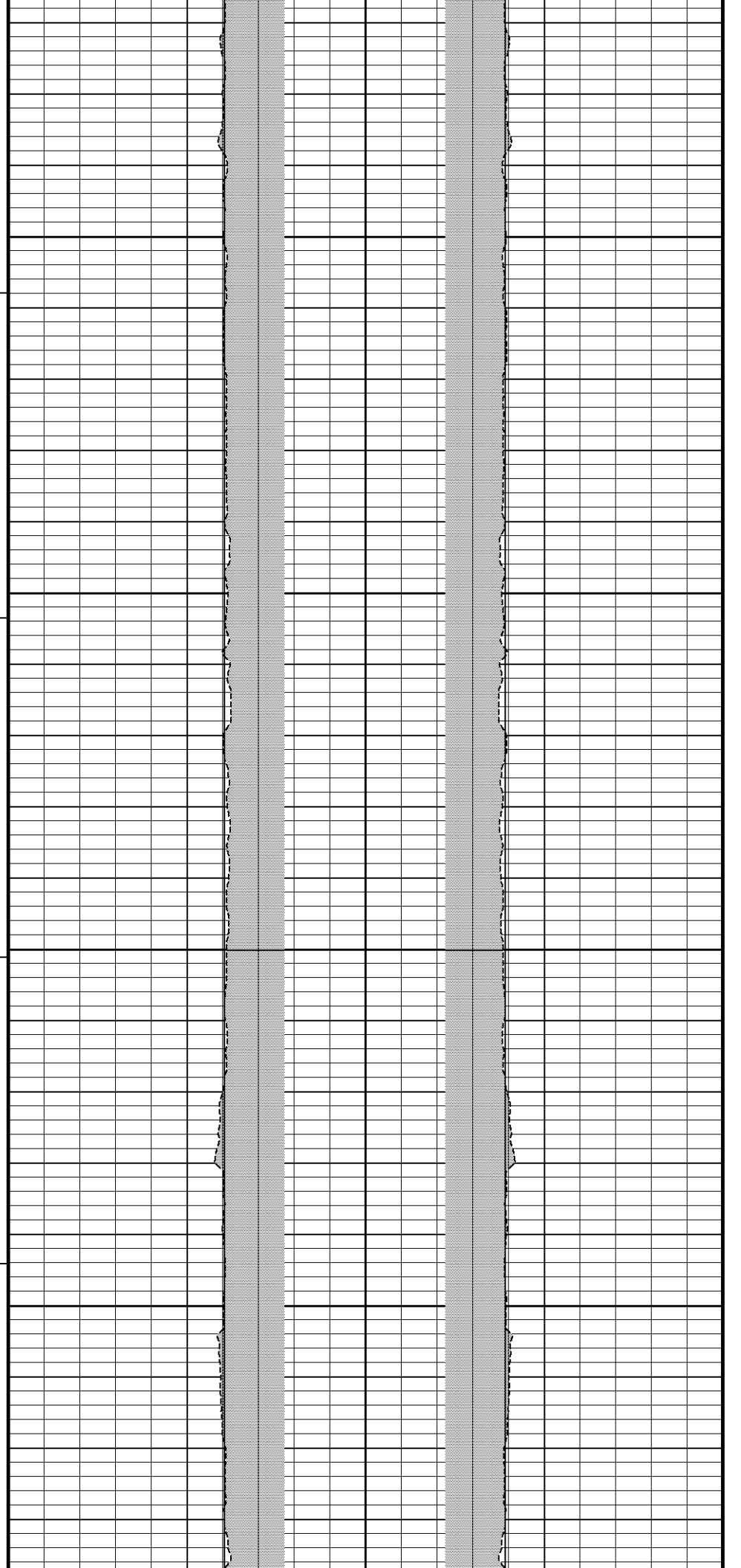
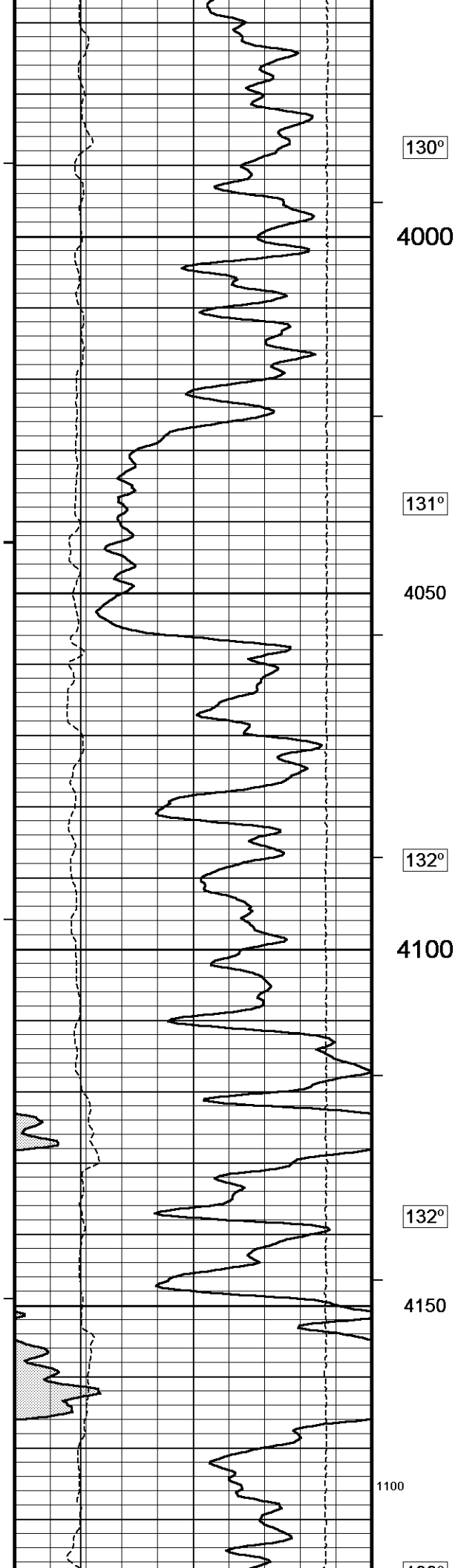


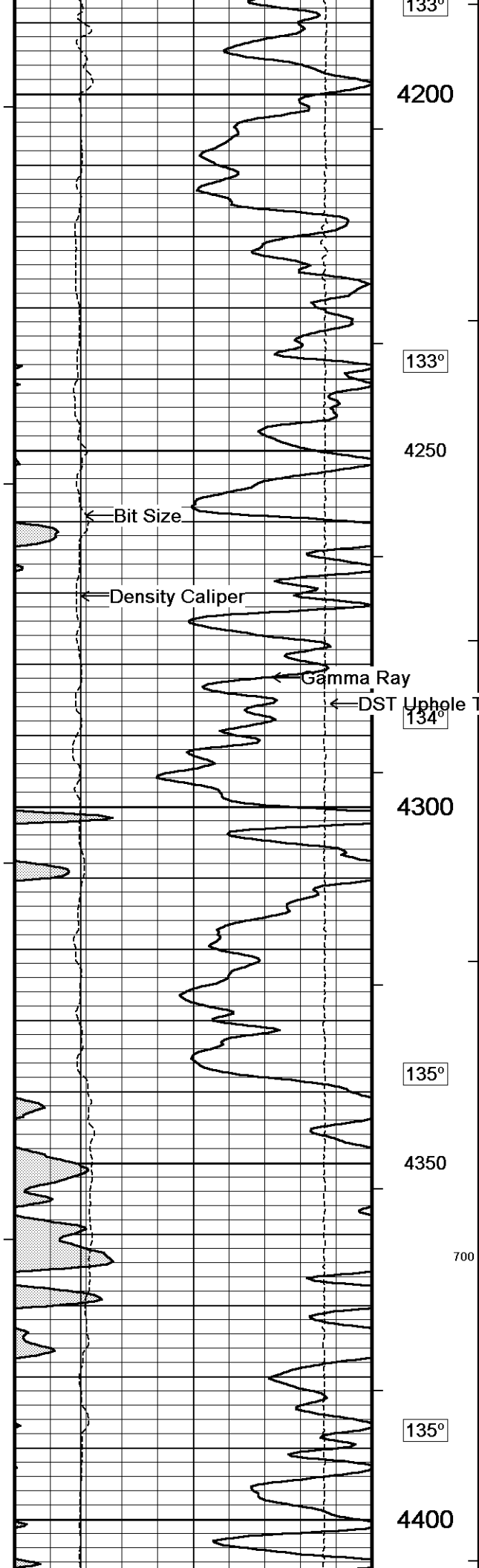












133°

4200

133°

4250

← Bit Size

← Density Caliper

← Gamma Ray

← DST Uphole Tension

134°

4300

135°

4350

700

135°

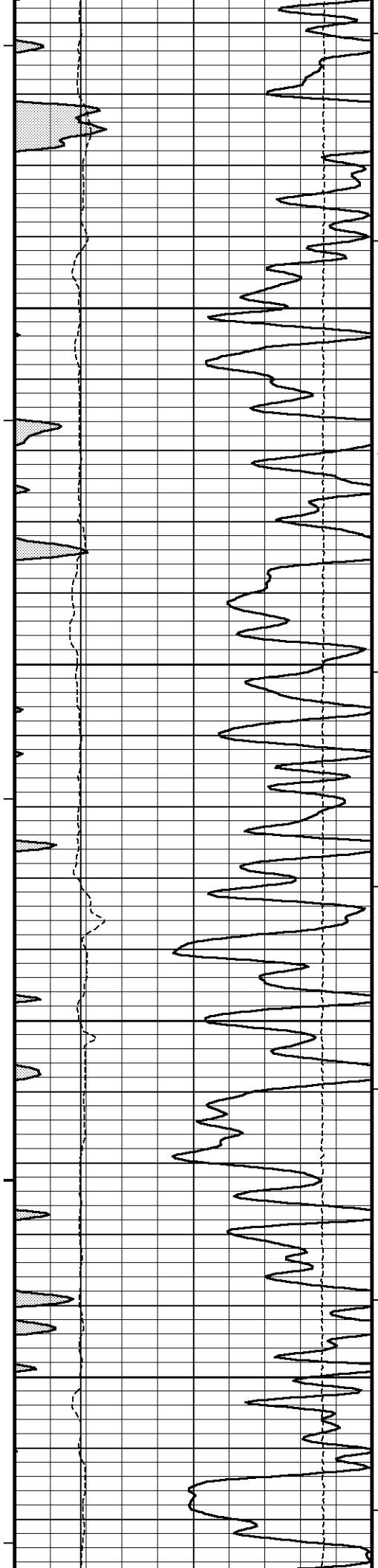
4400

Bit Size →

Density Caliper →

Bit Size →

Density Caliper →



136°

4450

1000

137°

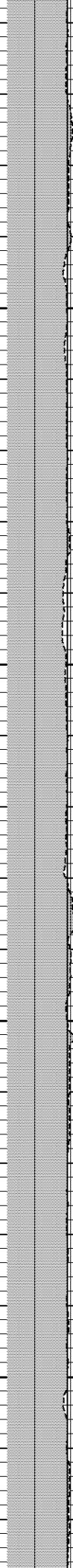
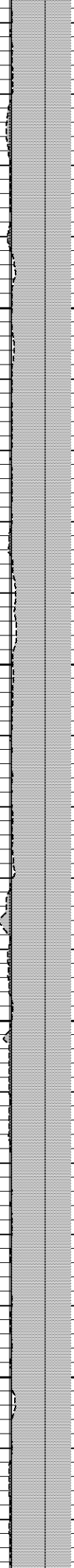
4500

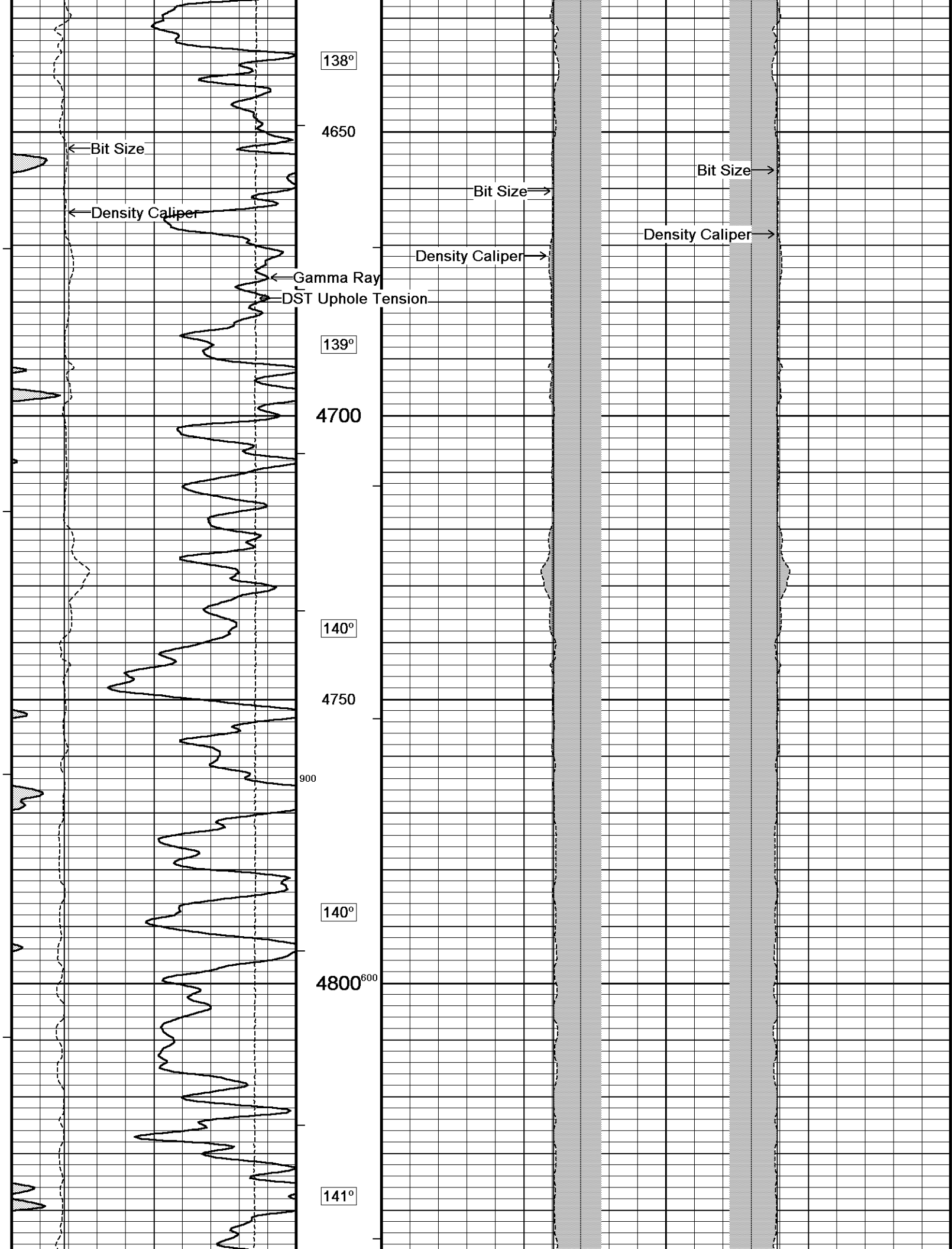
137°

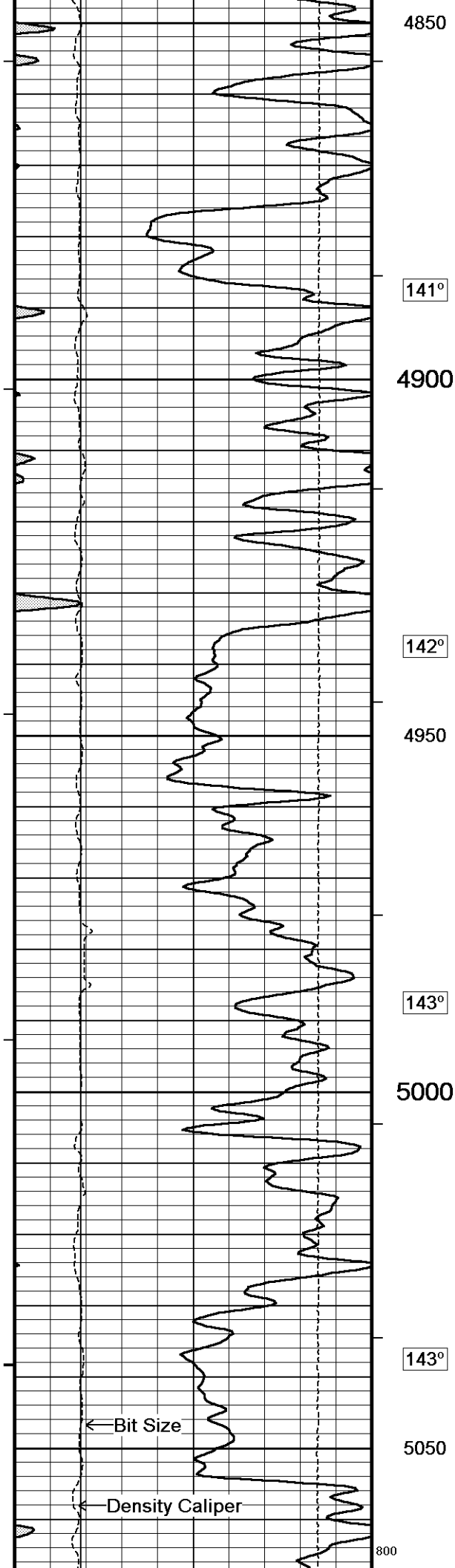
4550

138°

4600







4850

141°

4900

142°

4950

143°

5000

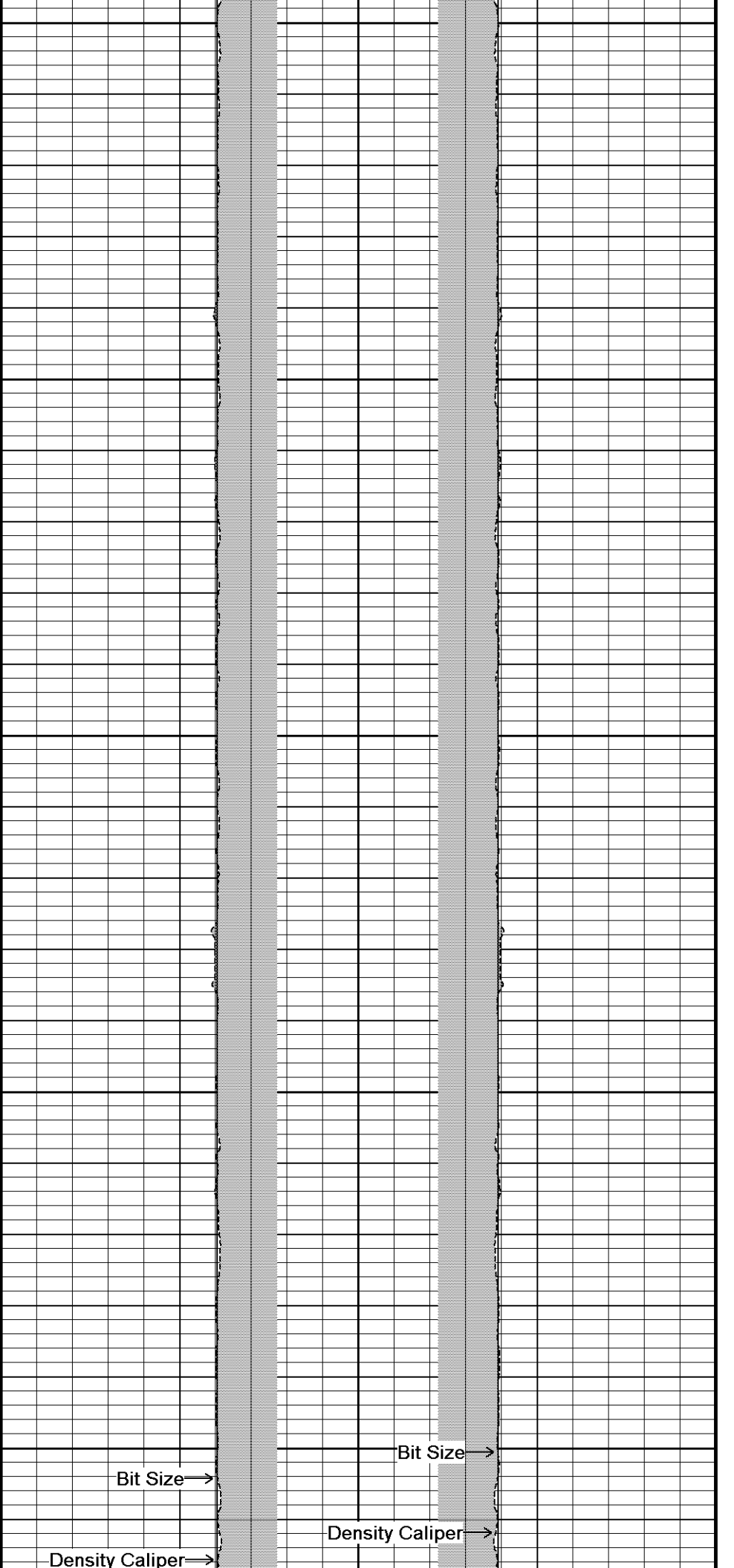
143°

5050

800

← Bit Size

← Density Caliper

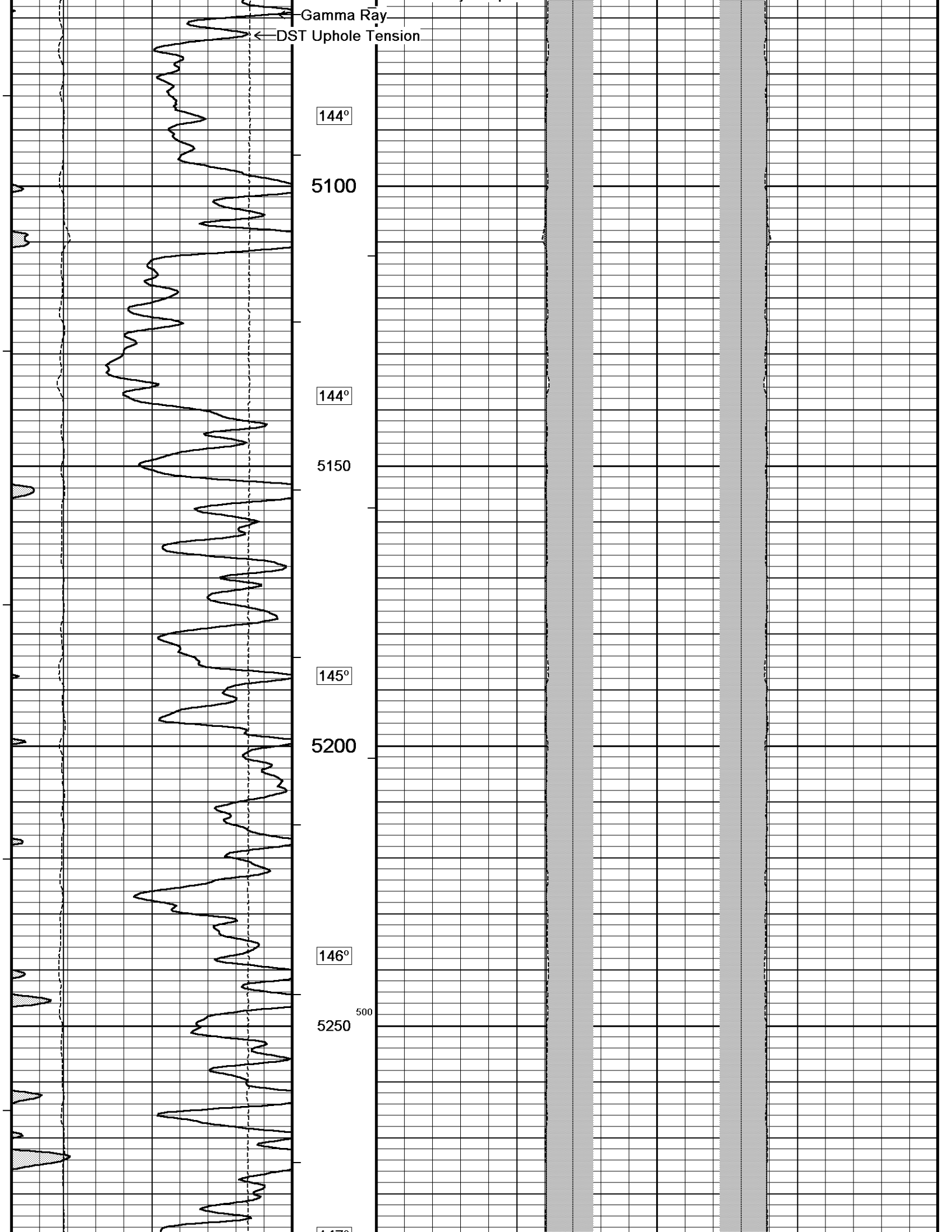


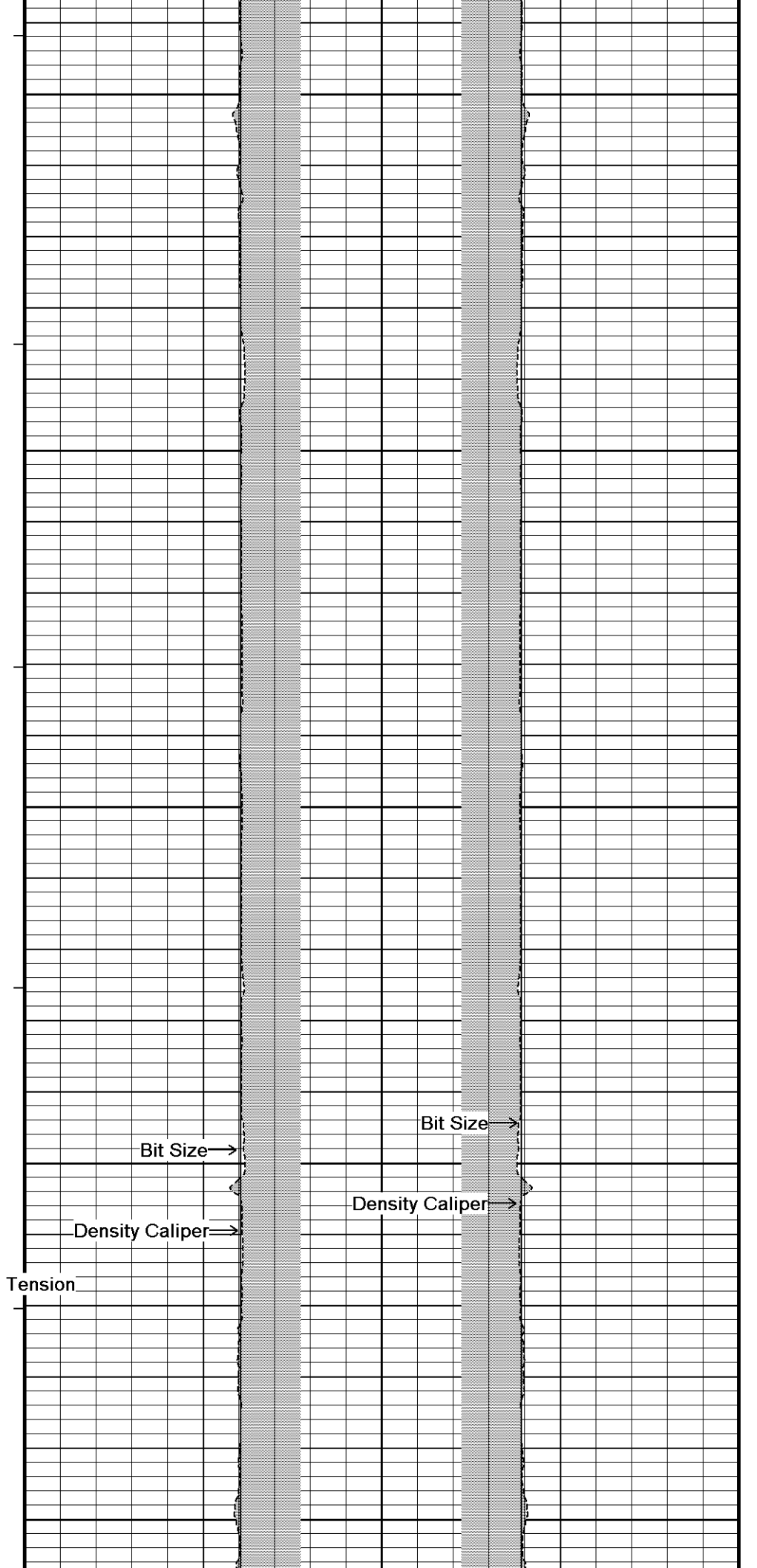
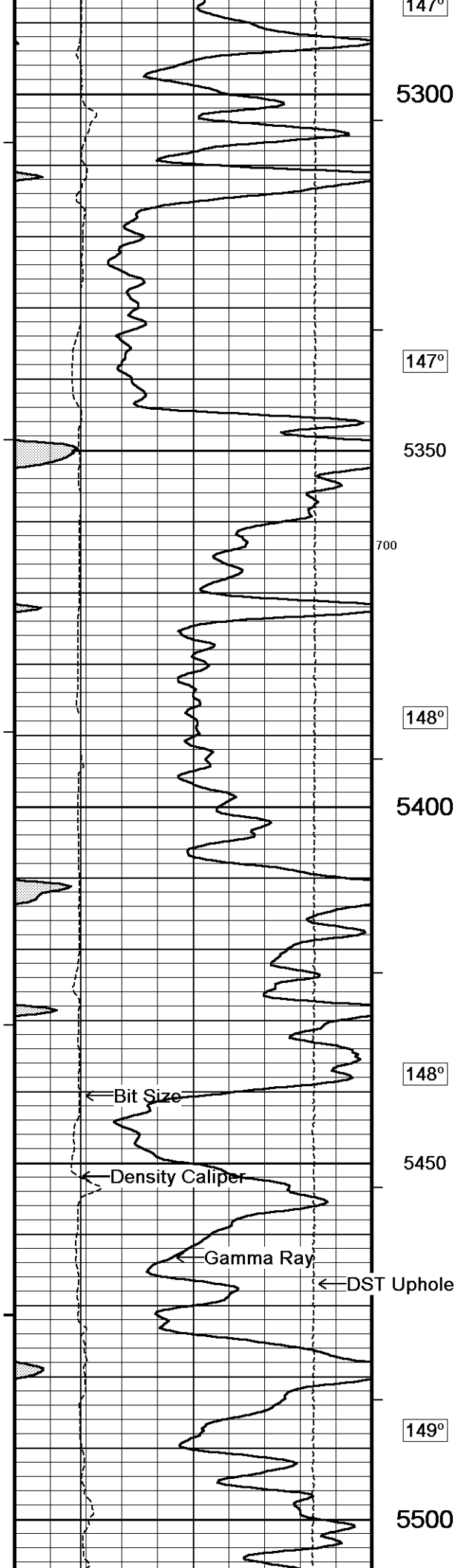
Bit Size →

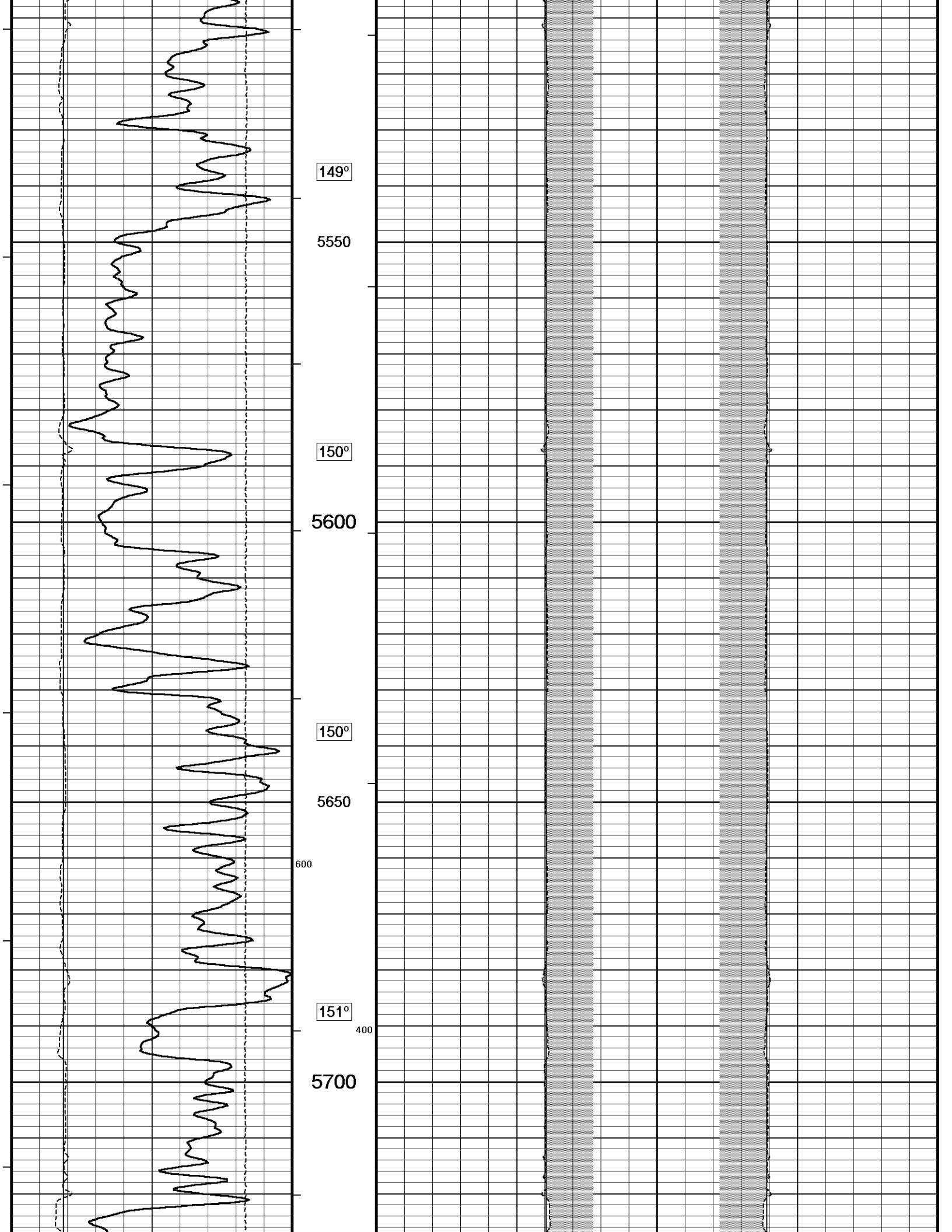
Density Caliper →

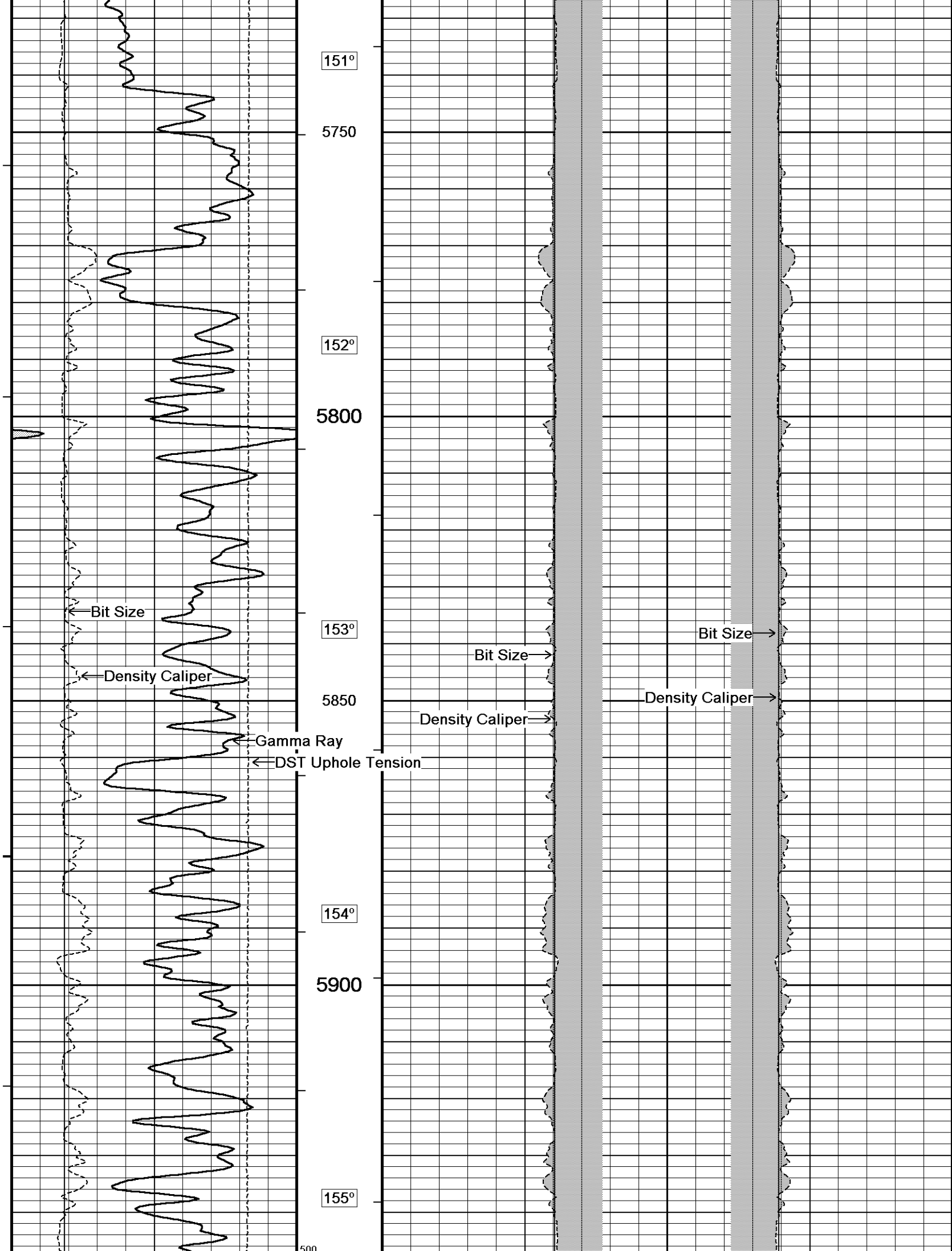
Bit Size →

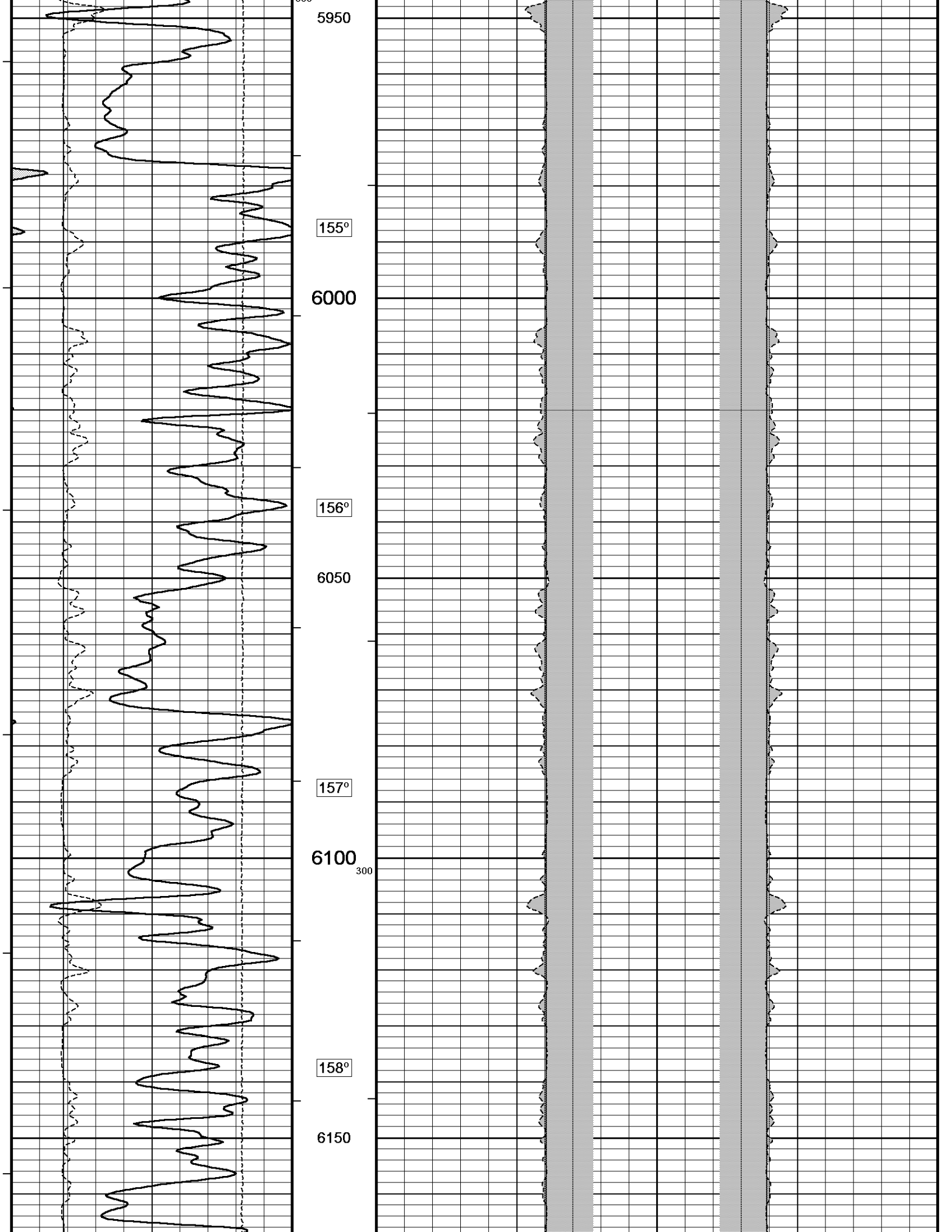
Density Caliper →

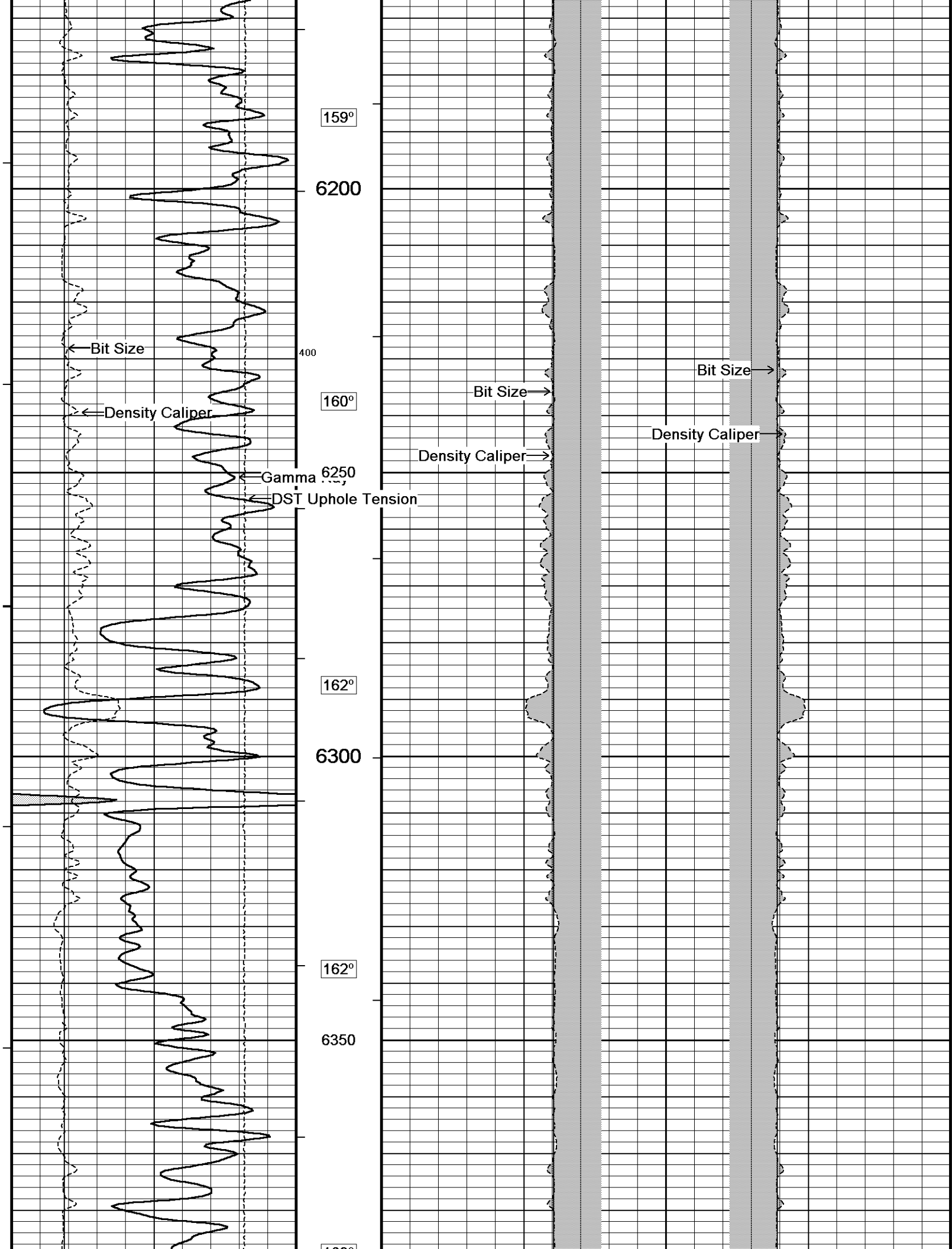


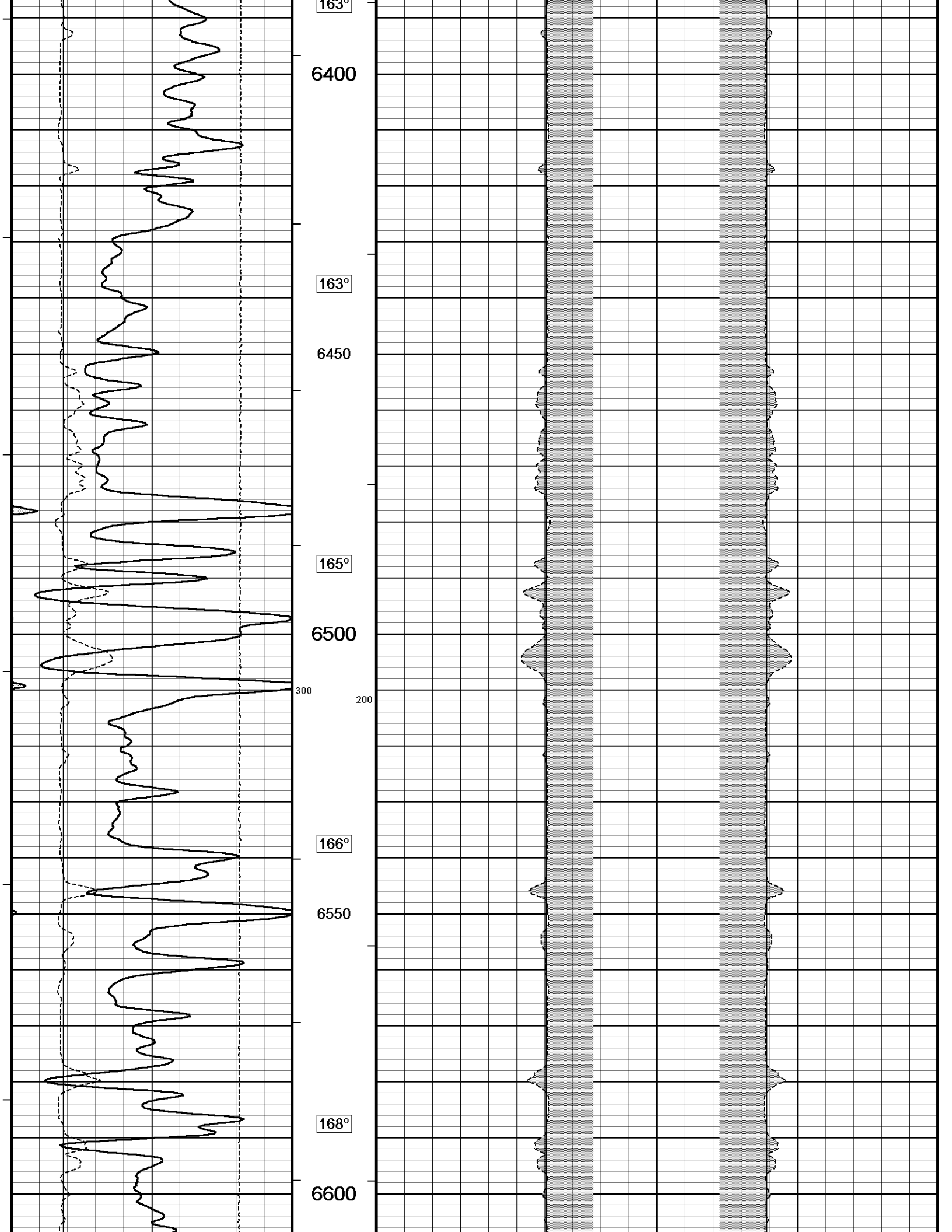


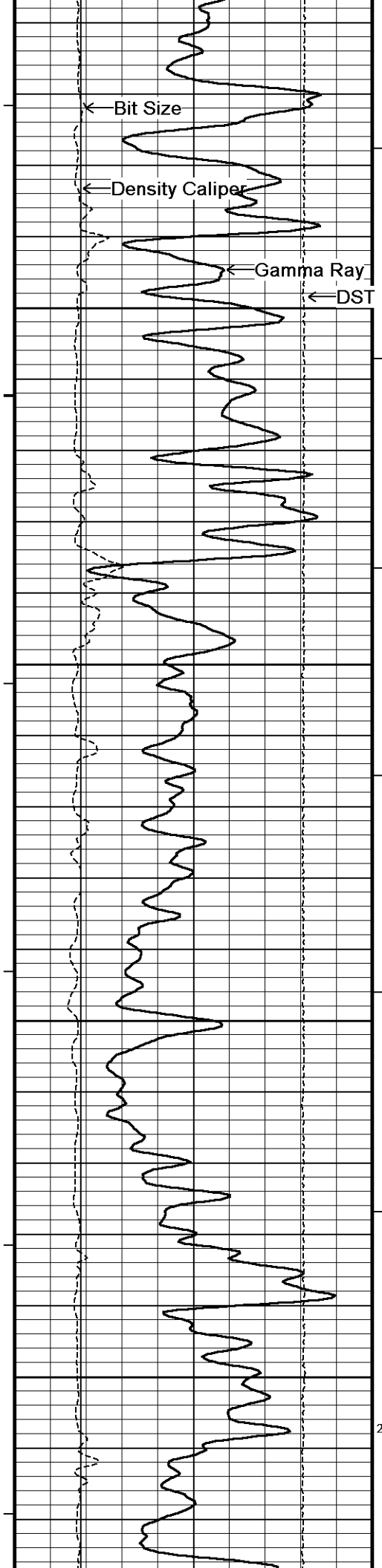




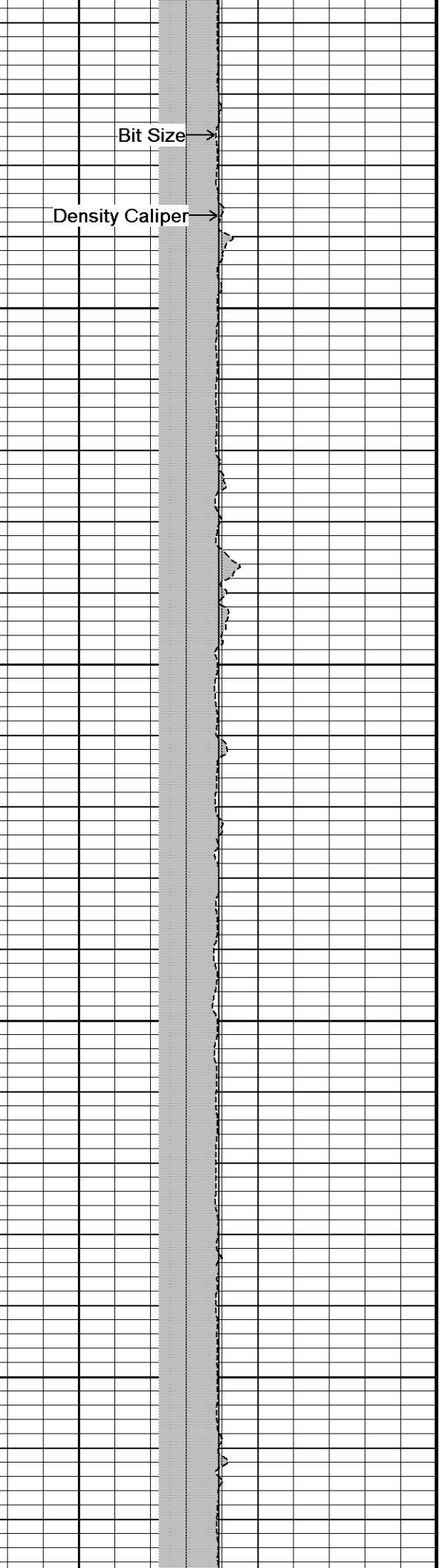
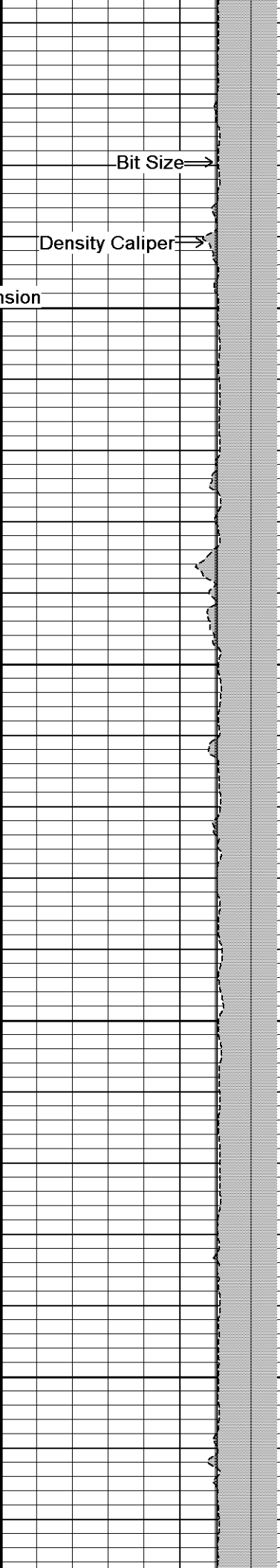


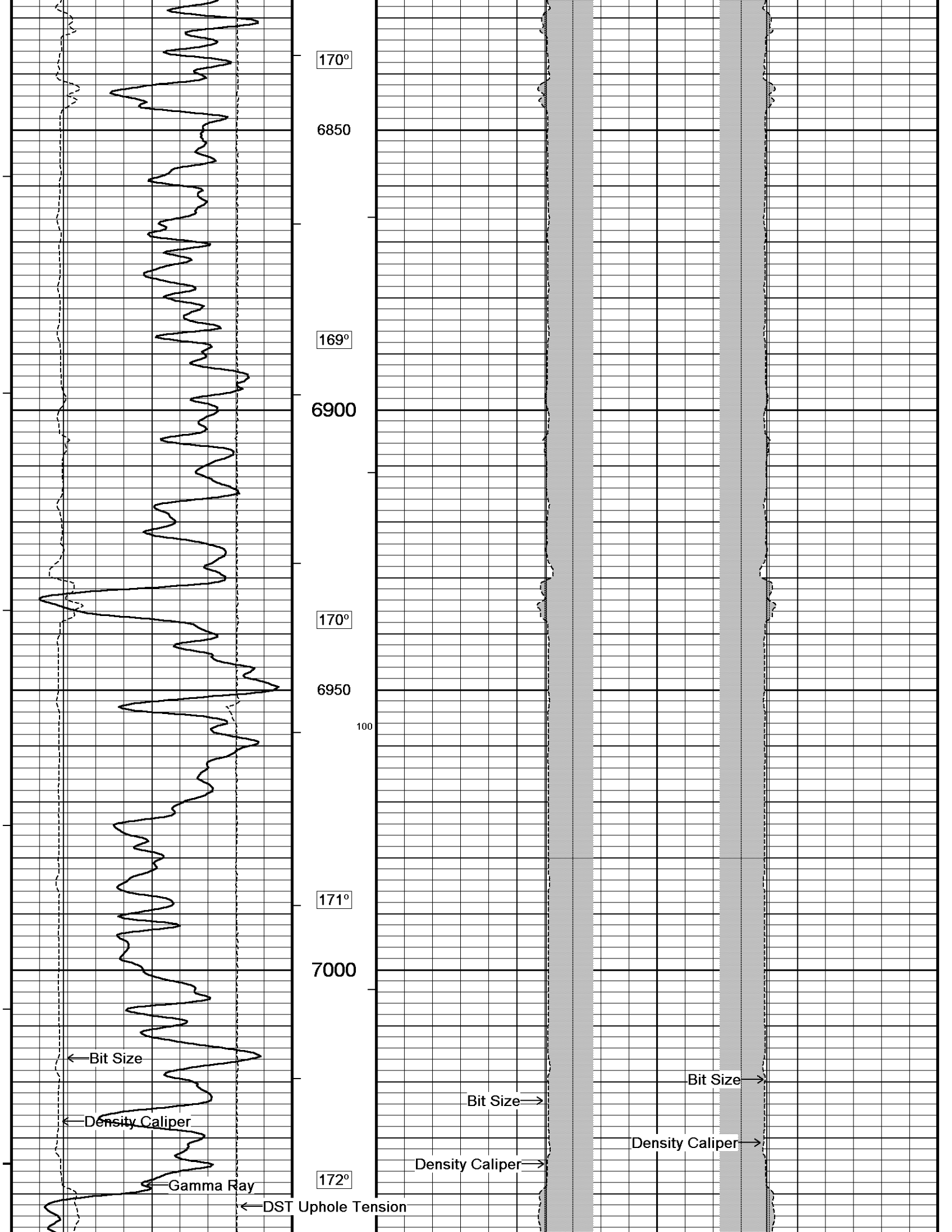


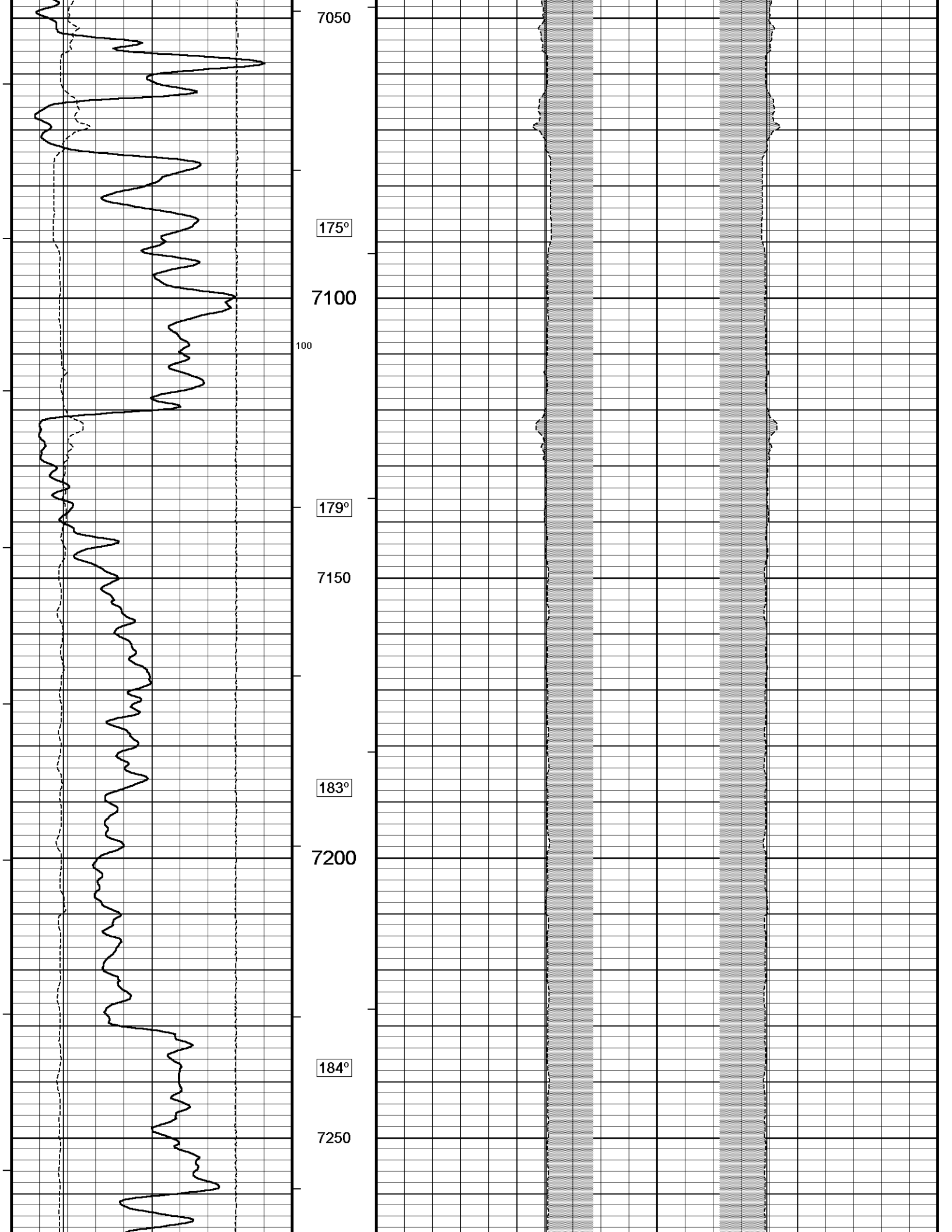


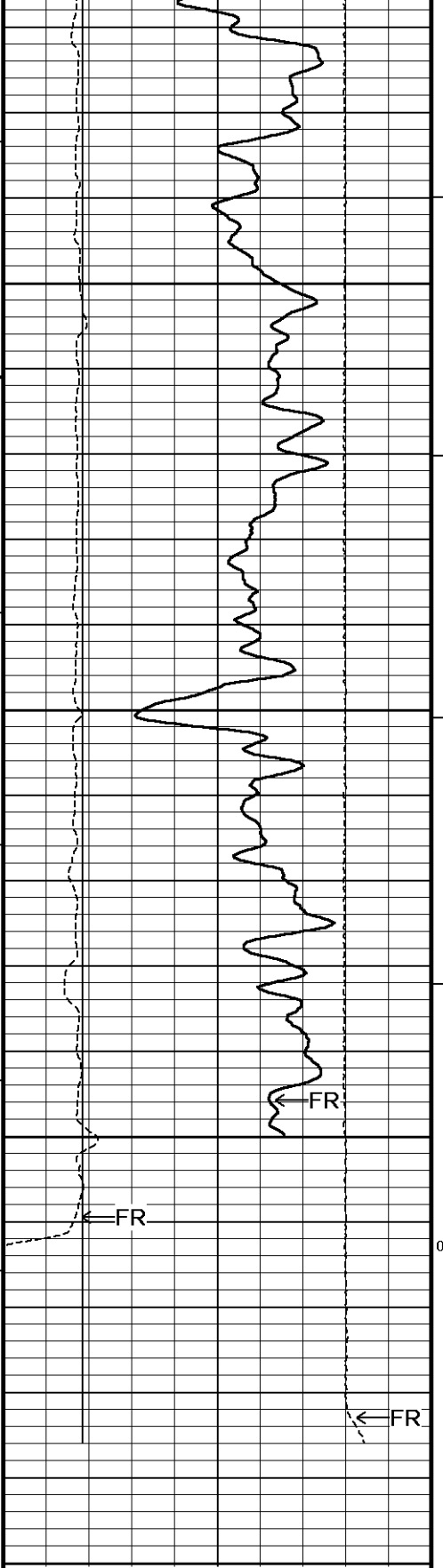


168°
6650
170°
6700
170°
6750
170°
6800
200









183°

7300

183°

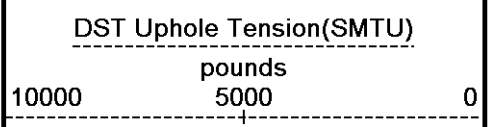
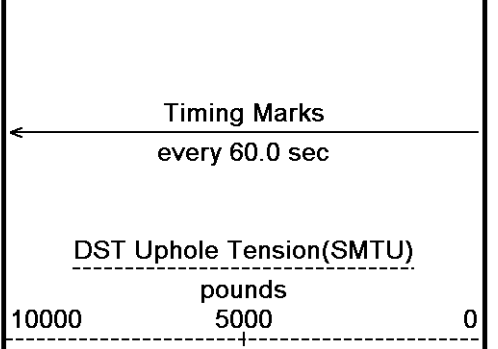
7350

182°

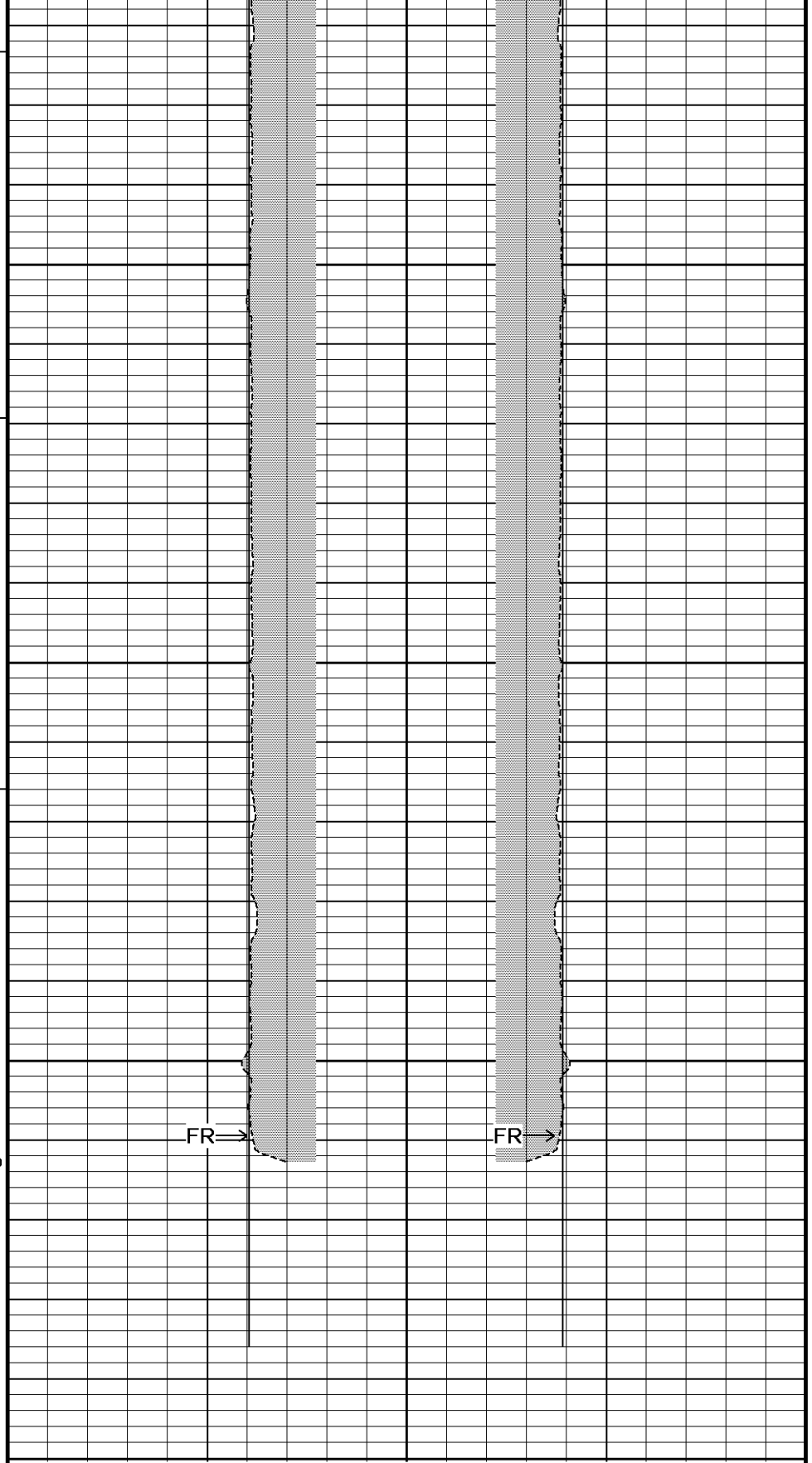
7400

0

7450
Depth
In
Feet



Borehole
Temp in
deg F



Density Caliper(CLDC)

inches

20

10

0 0

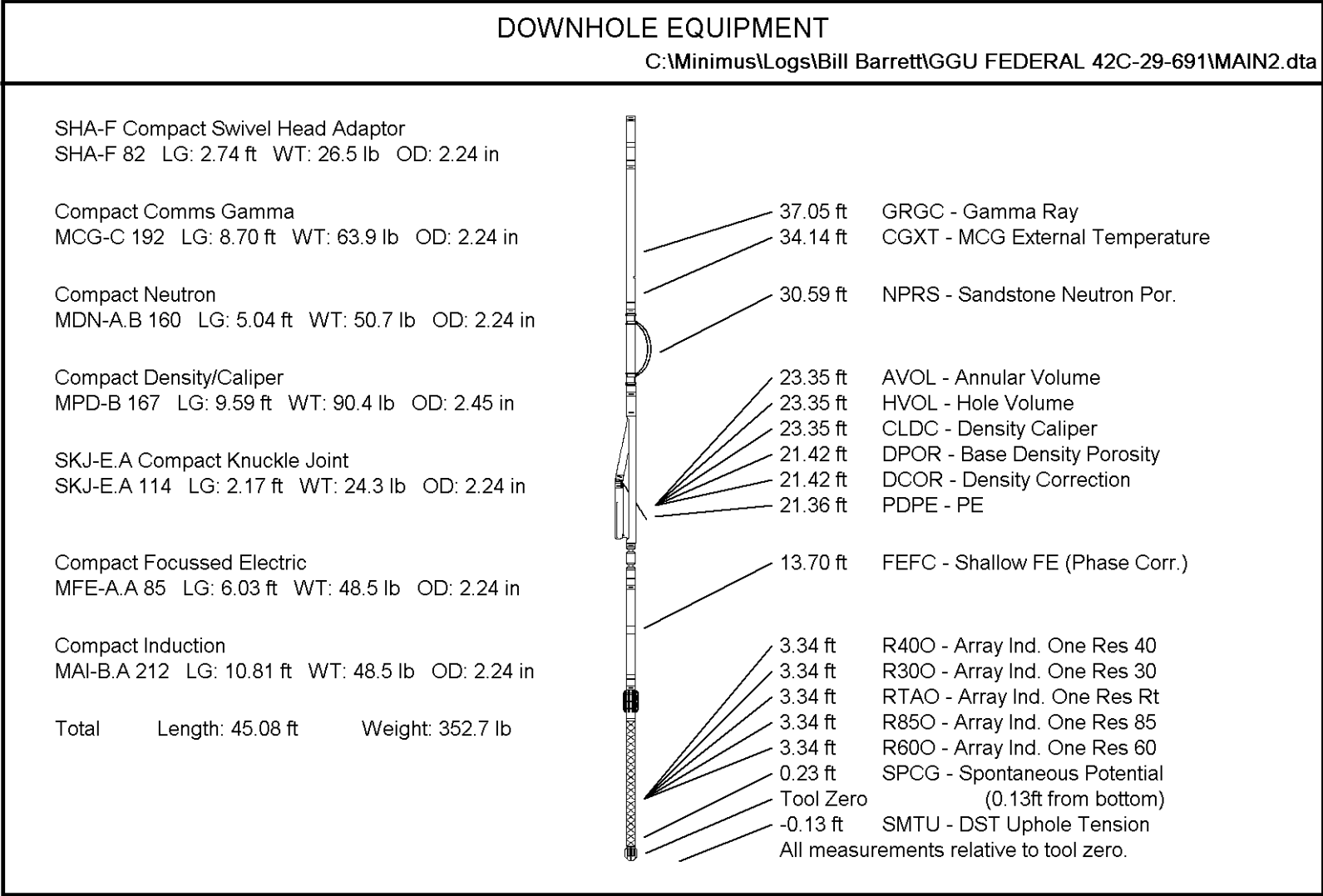
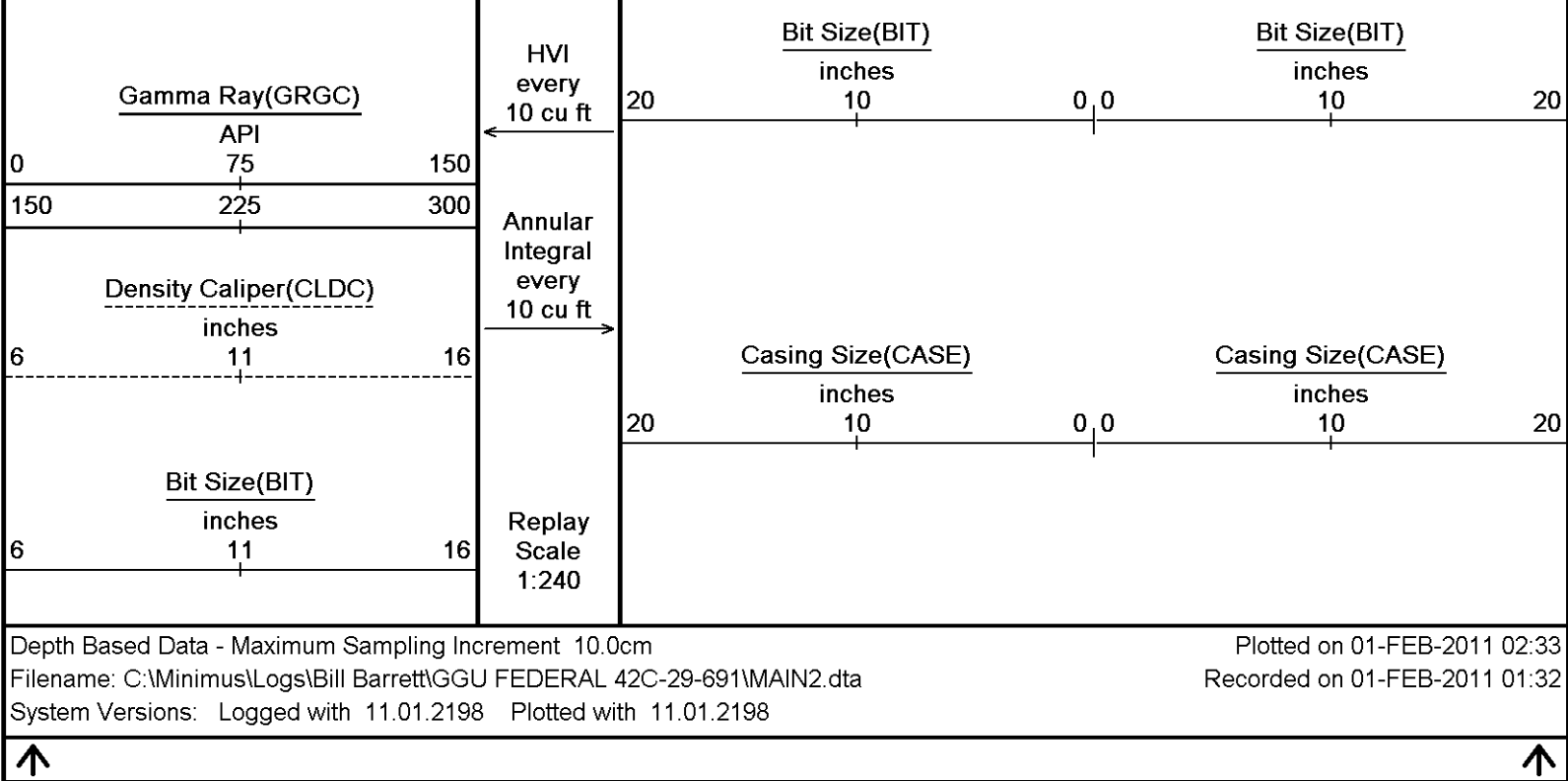
inches

10

20

Density Caliper(CLDC)

7450
Depth
In
Feet



COMPANY	BILL BARRETT CORPORATION
WELL	GGU FEDERAL 42C-29-691
FIELD	GIBSON GULCH

PROVINCE/COUNTY	GARFIELD
COUNTRY/STATE	U.S.A. / COLORADO

Elevation Kelly Bushing	6127.00	feet	First Reading	7411.00	
Elevation Drill Floor	6126.00	feet	Depth Driller	7435.00	feet
Elevation Ground Level	6104.00	feet	Depth Logger	7433.00	feet



HOLE VOLUME
CALIPER LOG

Weatherford®

