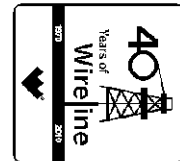




Weatherford[®]

**HOLE VOLUME
CALIPER LOG**

COMPANY BILL BARRETT CORPORATION
WELL GGU FEDERAL 41C-29-691
FIELD GIBSON GULCH
PROVINCE/COUNTY GARFIELD
COUNTRY/STATE U.S.A. / COLORADO
LOCATION SHL: 1230' FNL & 1293' FEL
BHL: 492' FNL & 664' FEL



SEC	TWP	RGE	Other Services
29	6S	91W	MPD/MDN MAI/MFE
API Number	05-045-19806		
Permit Number			
Permanent Datum G.L., Elevation 6104 feet			
Log Measured From K.B. @ 22 FEET above Permanent Datum			
Drilling Measured From K.B.			
Date	20-JAN-2011		

Elevations:	feet
KB	6129.00
DF	6128.00
GL	6107.00

Run Number	ONE	
Depth Driller	7485.00	feet
Depth Logger	7488.00	feet
First Reading	7466.00	
Last Reading	765.00	
Casing Driller	761.00	feet
Casing Logger	765.00	feet
Bit Size	7.880	inches
Hole Fluid Type	LSND	
Density / Viscosity	11.40 lb/USg	74.00 CP
PH / Fluid Loss	9.10	6.40 ml/30Min
Sample Source	FLOW LINE	
Rm @ Measured Temp	2.80 @ 83.0	ohm-m
Rmf @ Measured Temp	2.24 @ 83.0	ohm-m
Rmc @ Measured Temp	3.36 @ 83.0	ohm-m
Source Rmf / Rmc	CALC	CALC
Rm @ BHT	1.28 @ 184.0	ohm-m
Time Since Circulation	6 HOURS	
Max Recorded Temp	184.00	deg F
Equipment Name	COMPACT	
Equipment / Base	13173	GJCT
Recorded By	J.GARCIA	
Witnessed By	C.CROW	

BOREHOLE RECORD

Last Edited: 20-JAN-2011 18:16

Bit Size inches	Depth From feet	Depth To feet
8.750	761.00	5300.00
7.880	5300.00	7485.00

CASING RECORD

Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE	9.625	0.00	761.00	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.

LOGS SPLICED AT 6900 FEET DUE TO TOOL ROLLOVER. AFTER REPEATING THE HOLE WAS FOUND TO BE IN GAUGE.

LOGS WERE REPEATED FROM 7100-7170 TO CONFIRM CALIPER UNDER GAUGE.

CALIPER CHECK IN CASING PRESENTED, REFERENCE I.D. = 8.92" (9 5/8", 36 LB/FT CASING)

8.75 INCH BIT USED FROM SURFACE CASING TO 5300 FT.

TOTAL HOLE VOLUME FROM TD TO SURFACE CASING = 2750 CU.FT.

ANNULAR VOLUME WITH 4.5 INCH PRODUCTION CASING = 2000 CU.FT.

ENGINEER(S): J.GARCIA, J.P.

OPERATOR: D.DALEY, K.BOBLITT

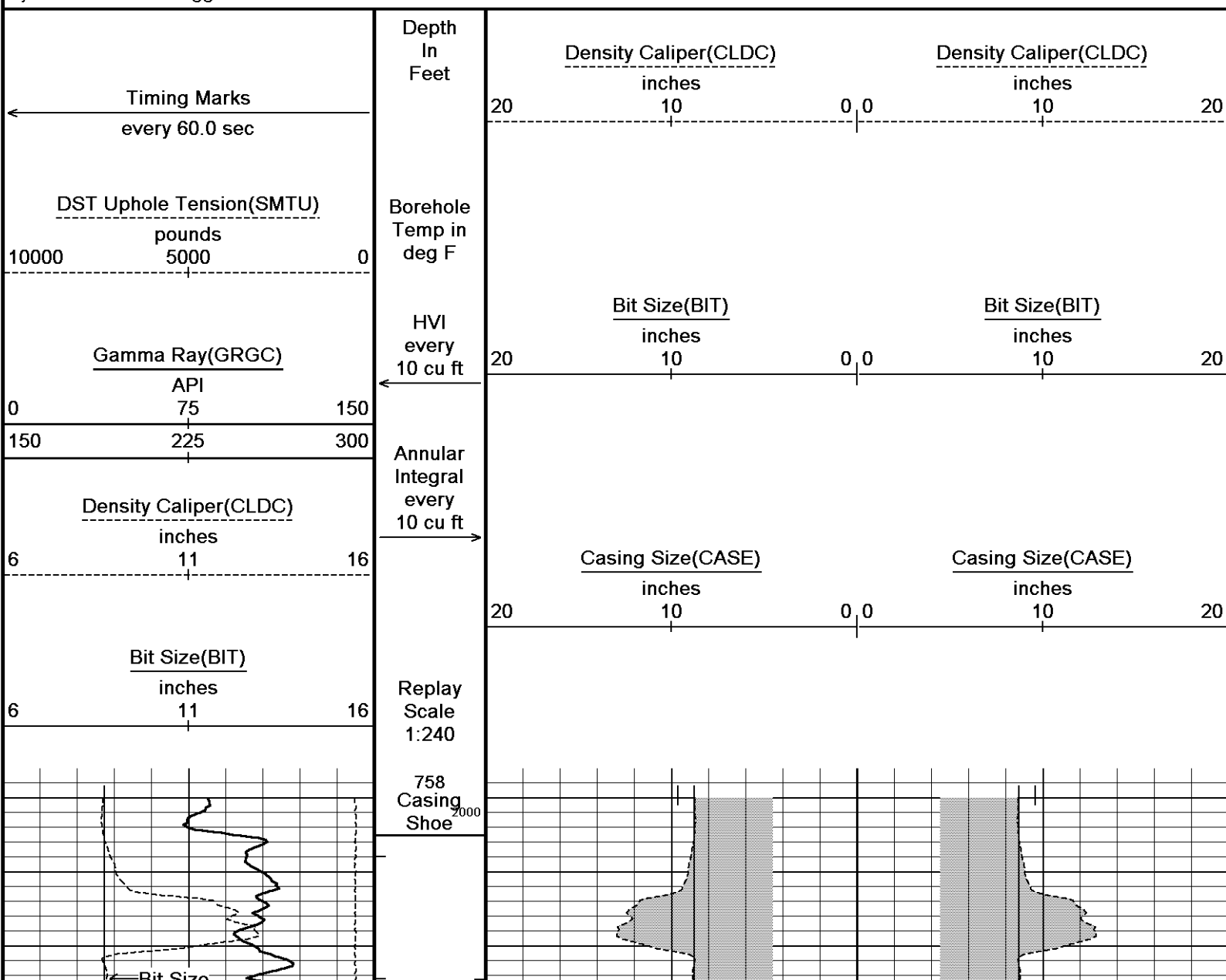
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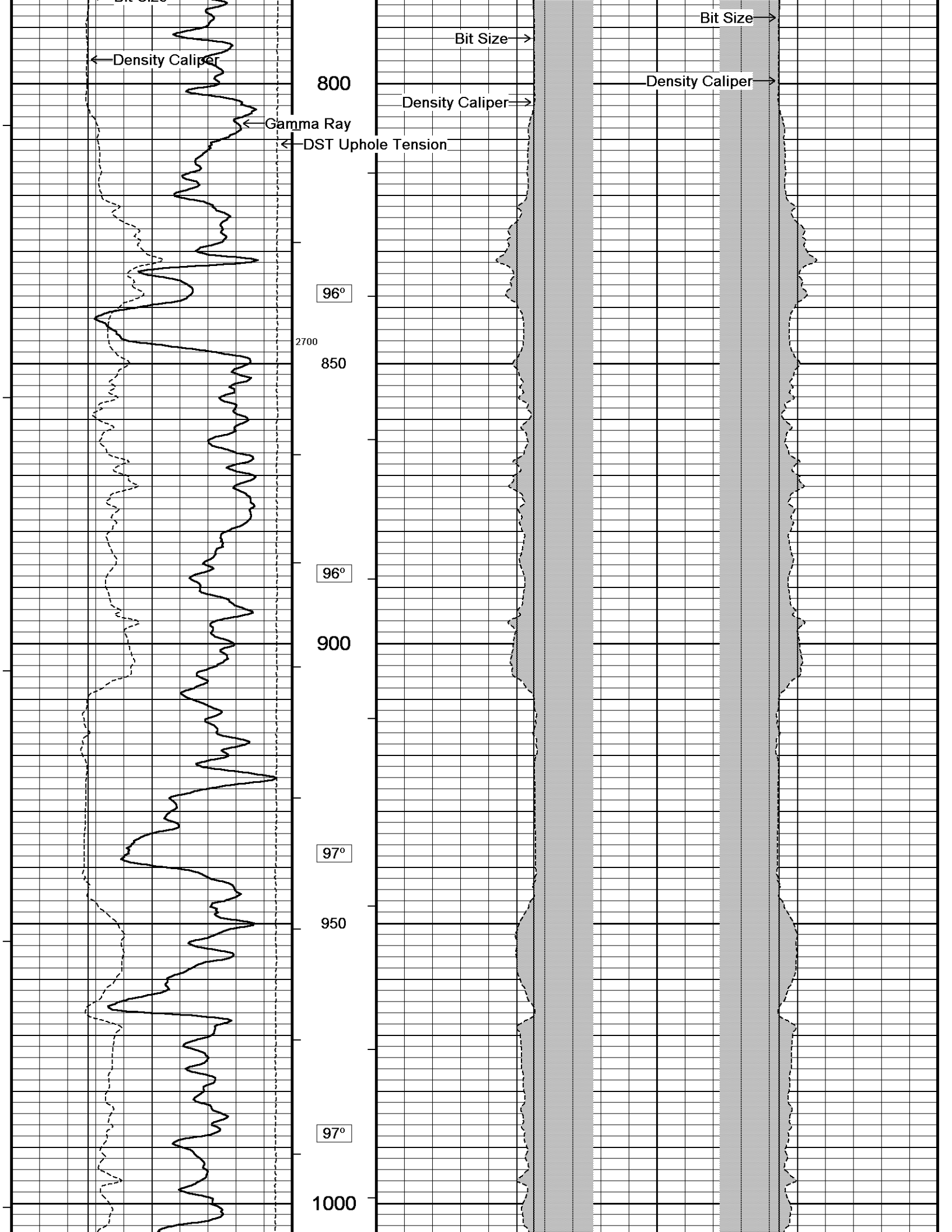
RIG: PATTERSON #307

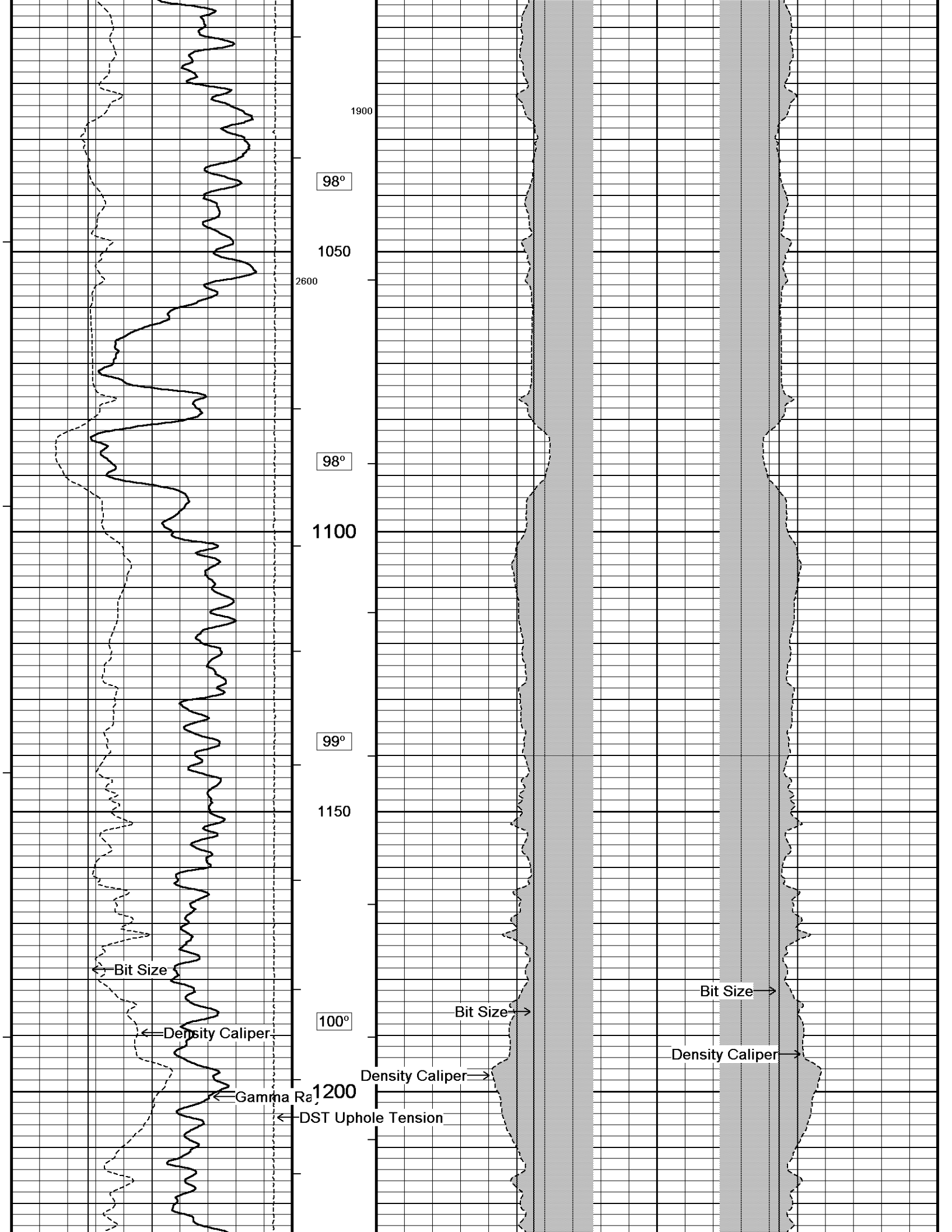
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs,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

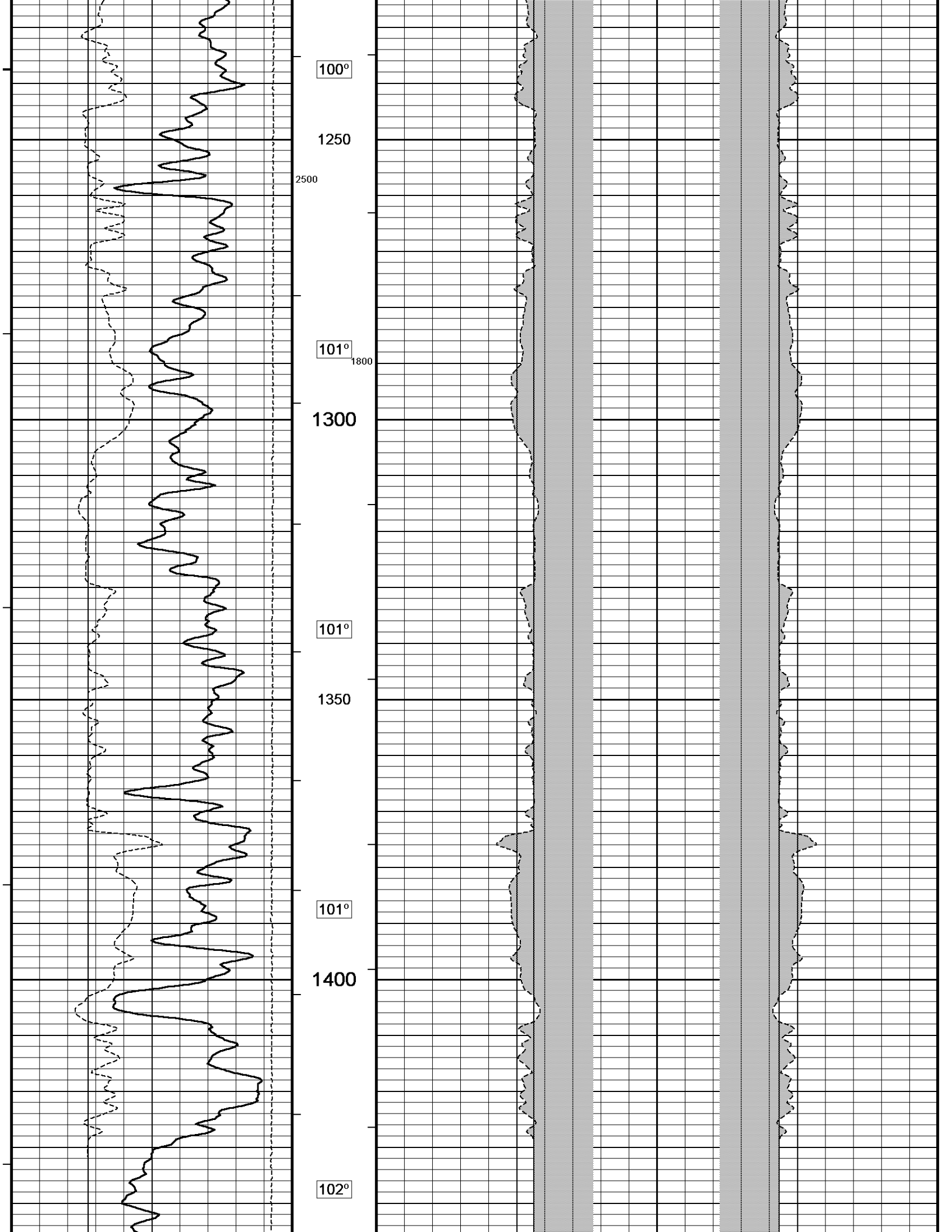
MAIN-3

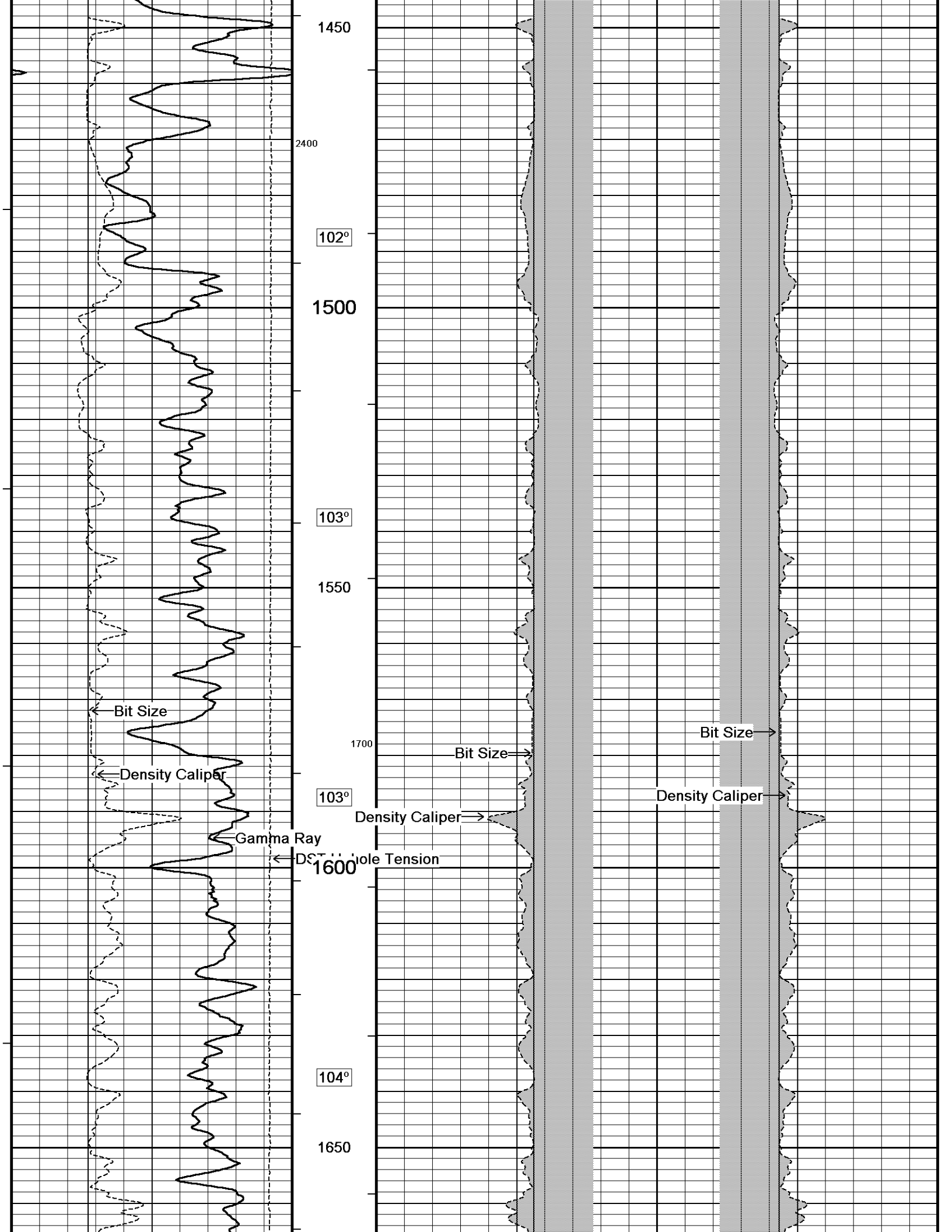
Depth Based Data - Maximum Sampling Increment 10.0cm Plotted on 20-JAN-2011 23:26
 Filename: C:\Minimus\Logs\Bill Barrett\GGU Federal 41C-29-691\MAIN-3.dta Recorded on 20-JAN-2011 19:16
 System Versions: Logged with 11.01.2198 Processed with 11.01.2198 Plotted with 11.01.2198

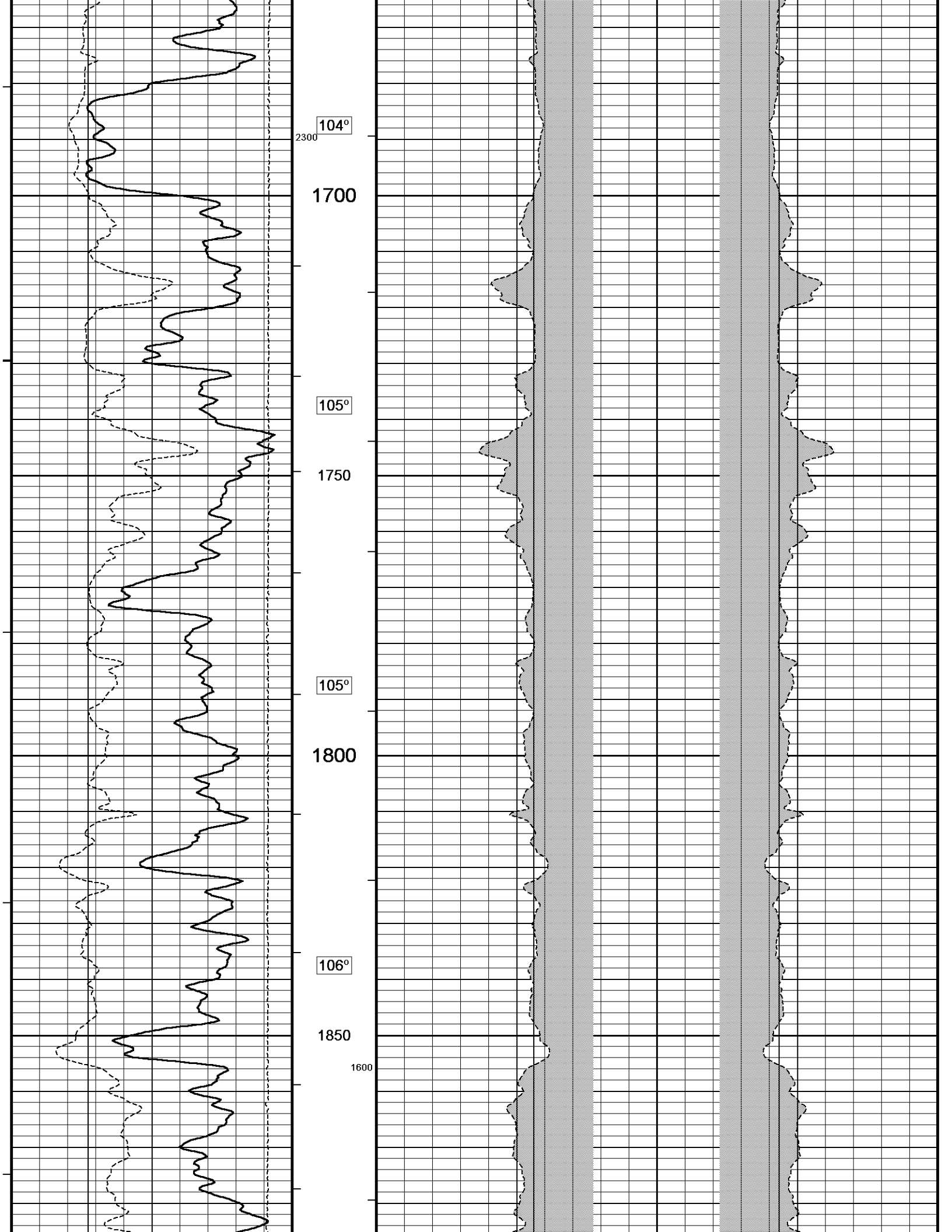


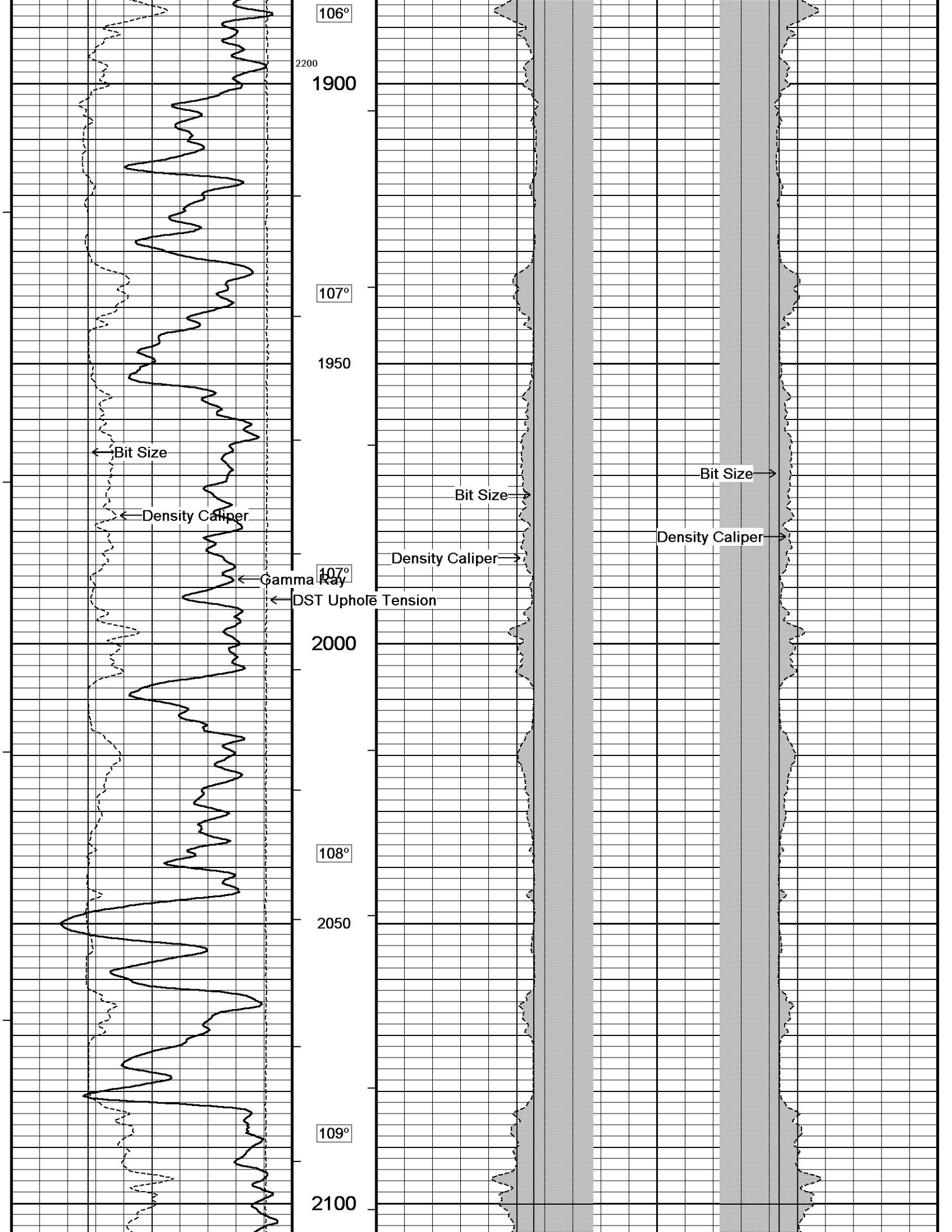


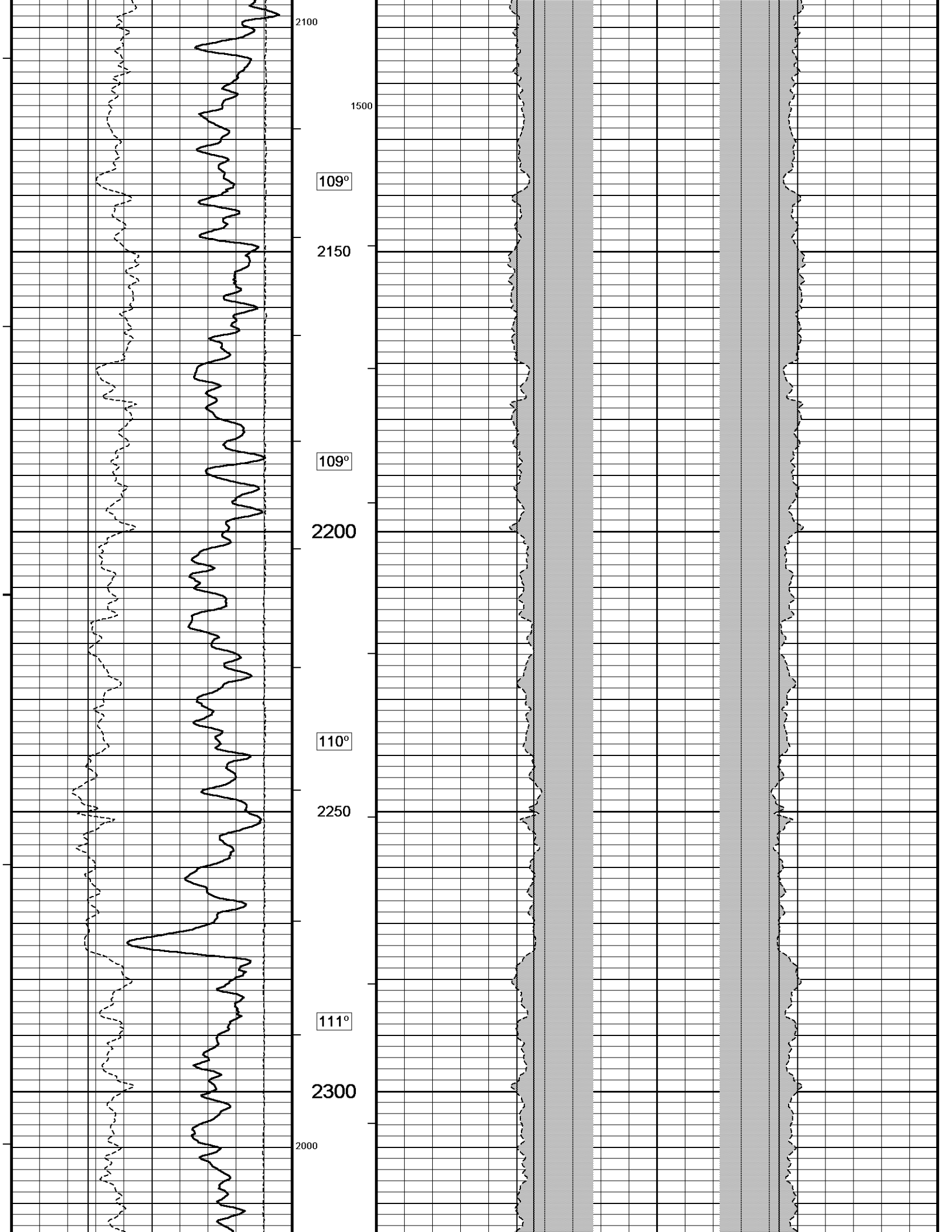


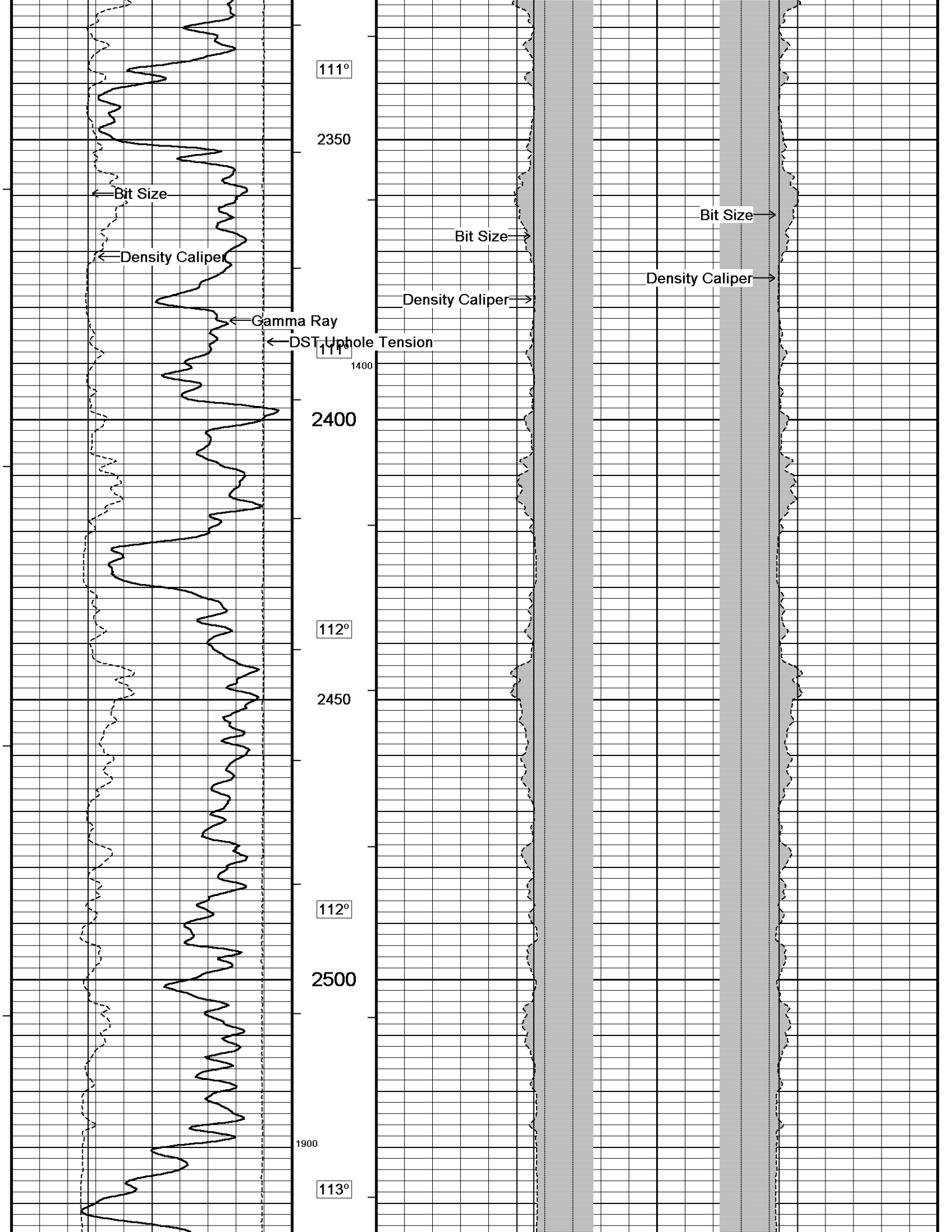


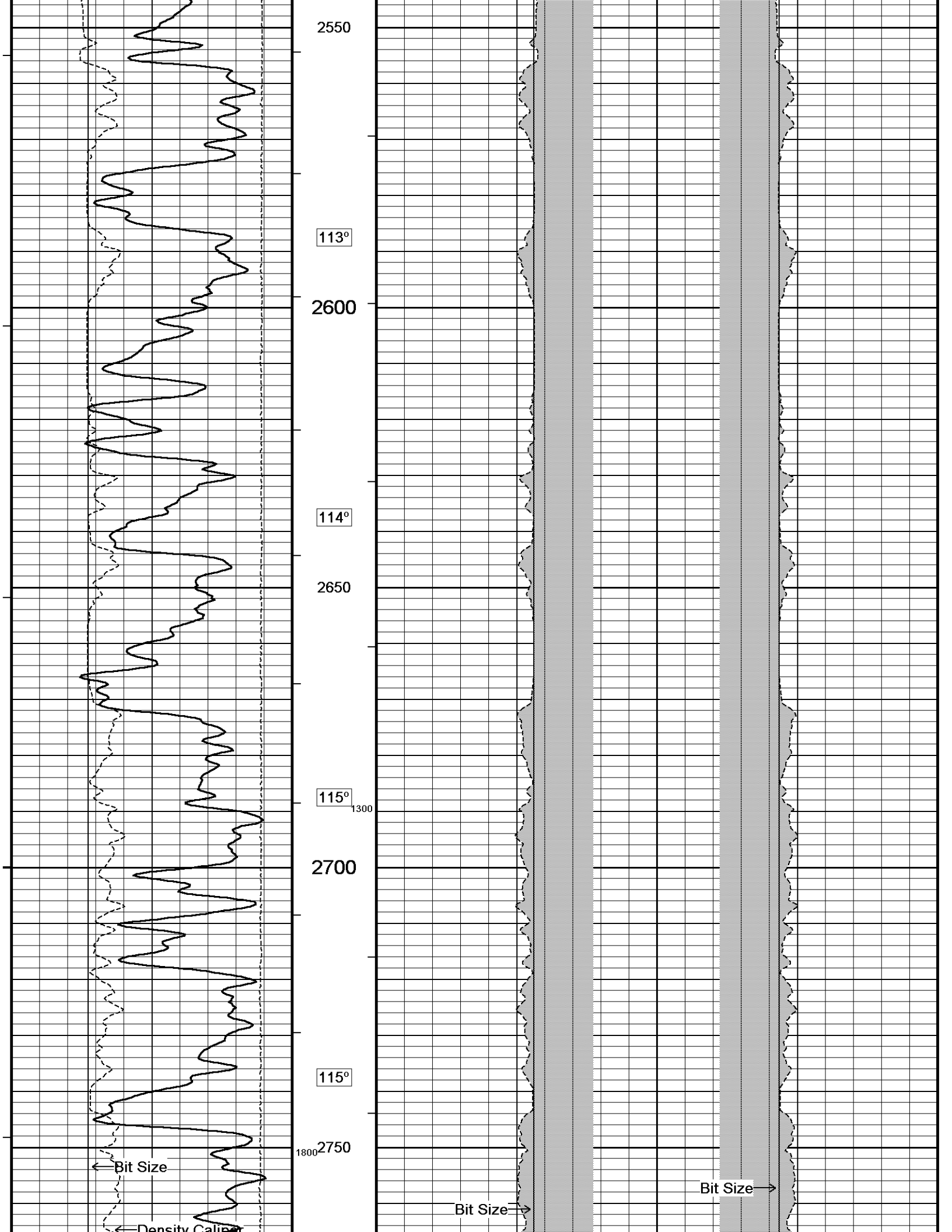


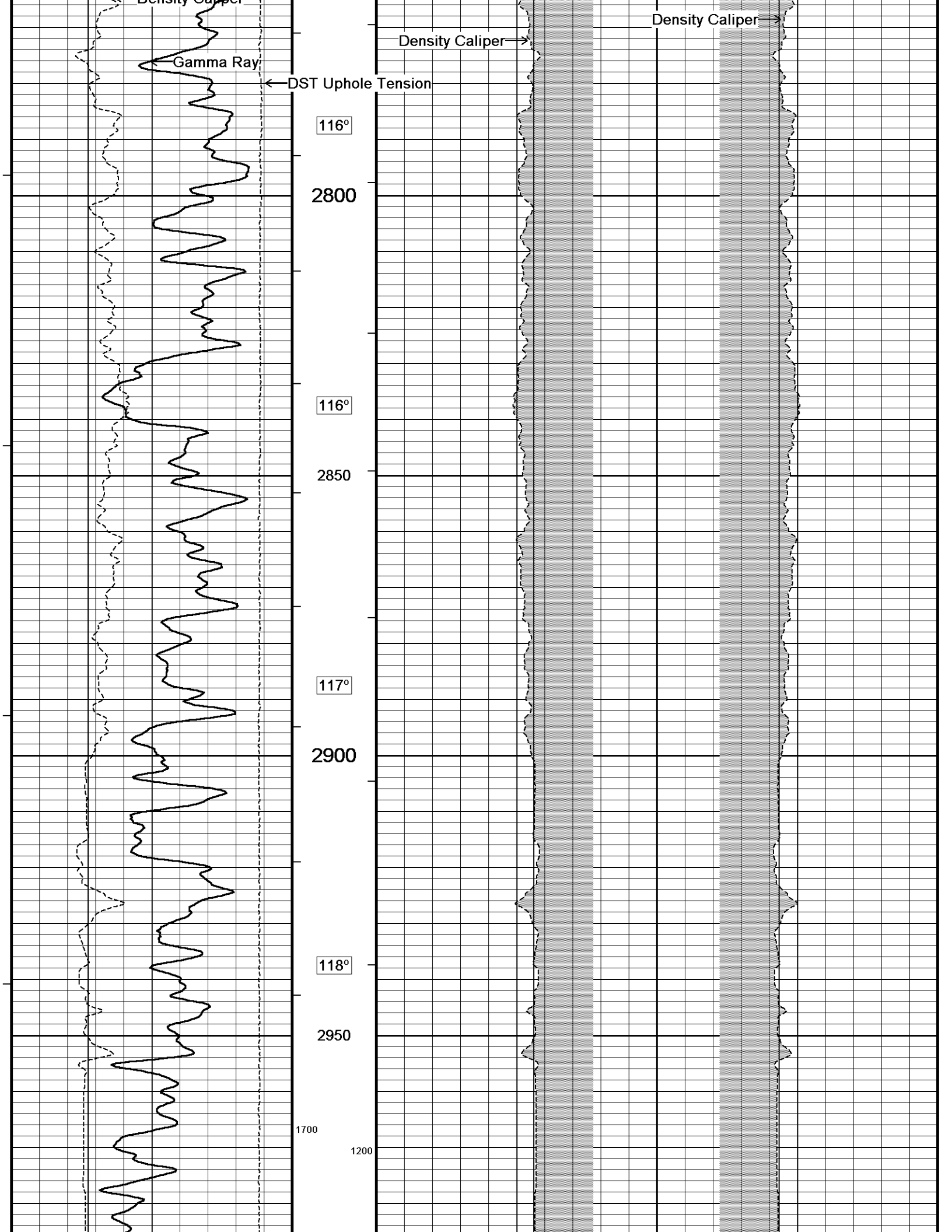


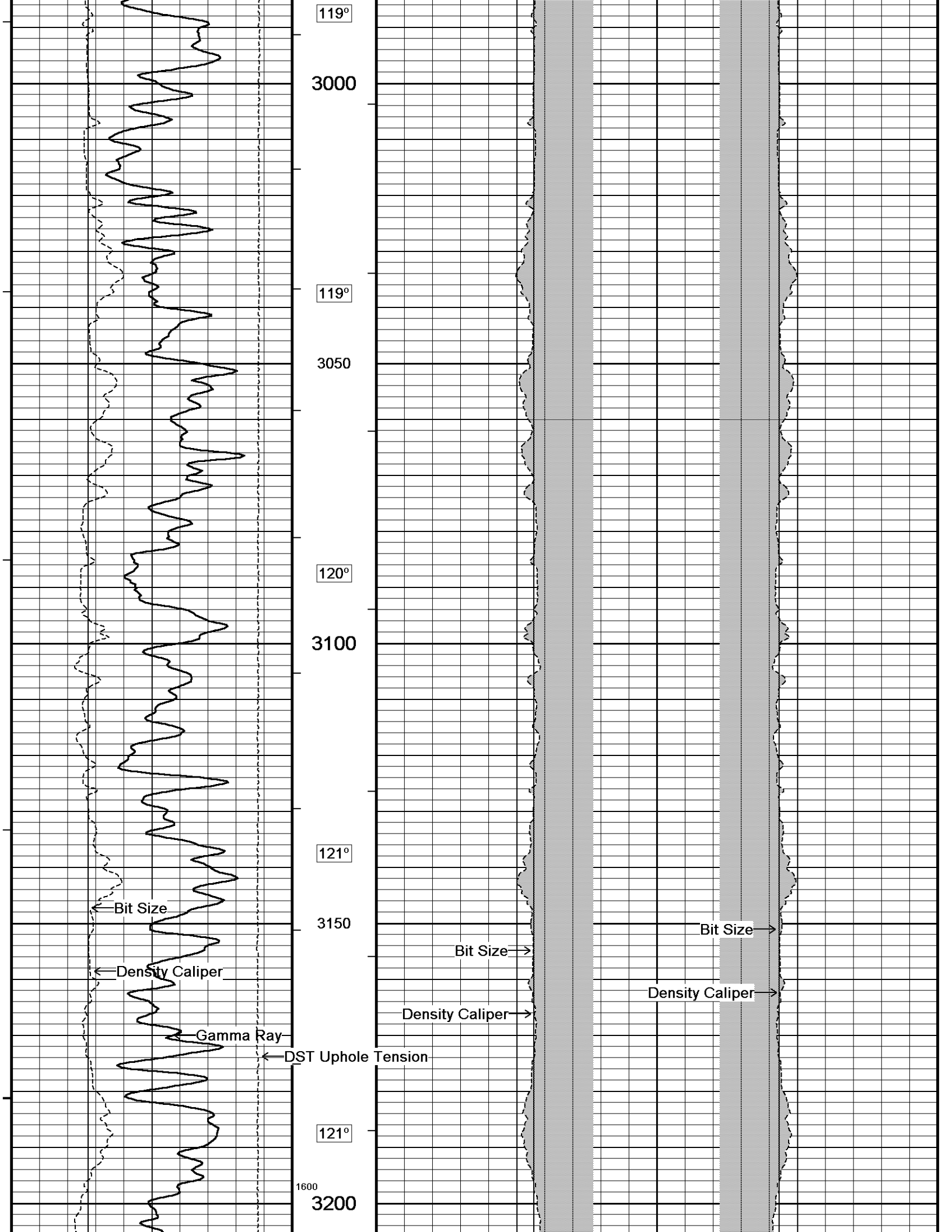


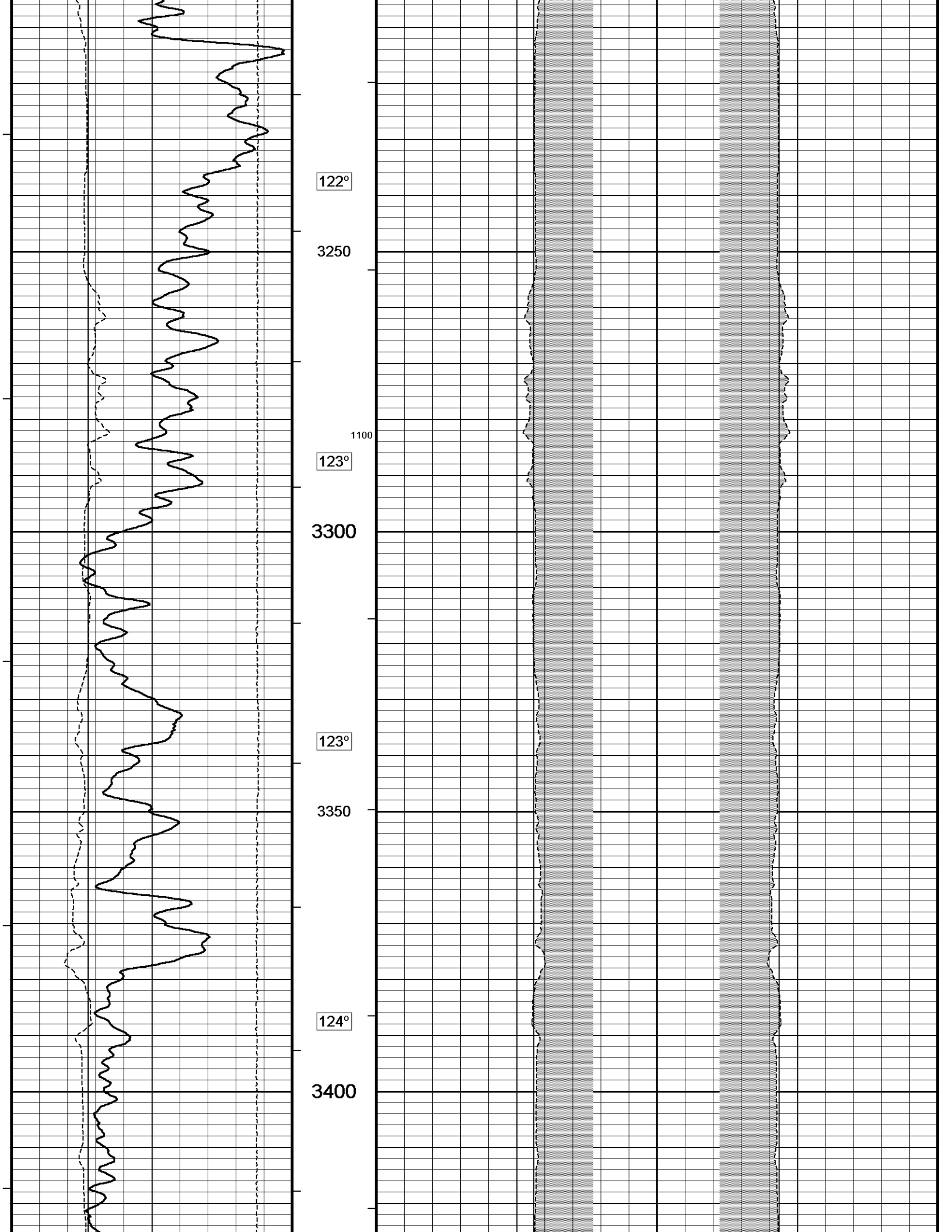


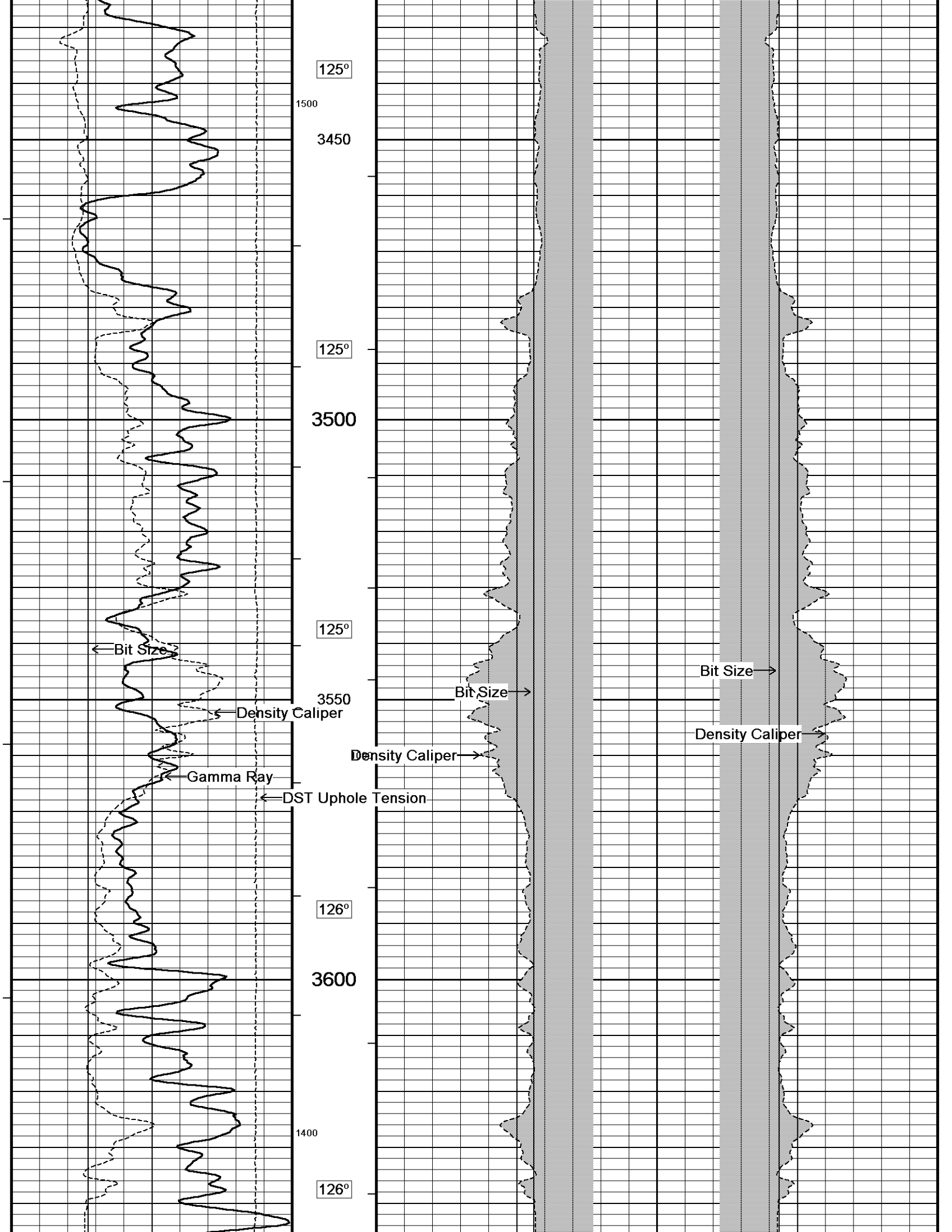


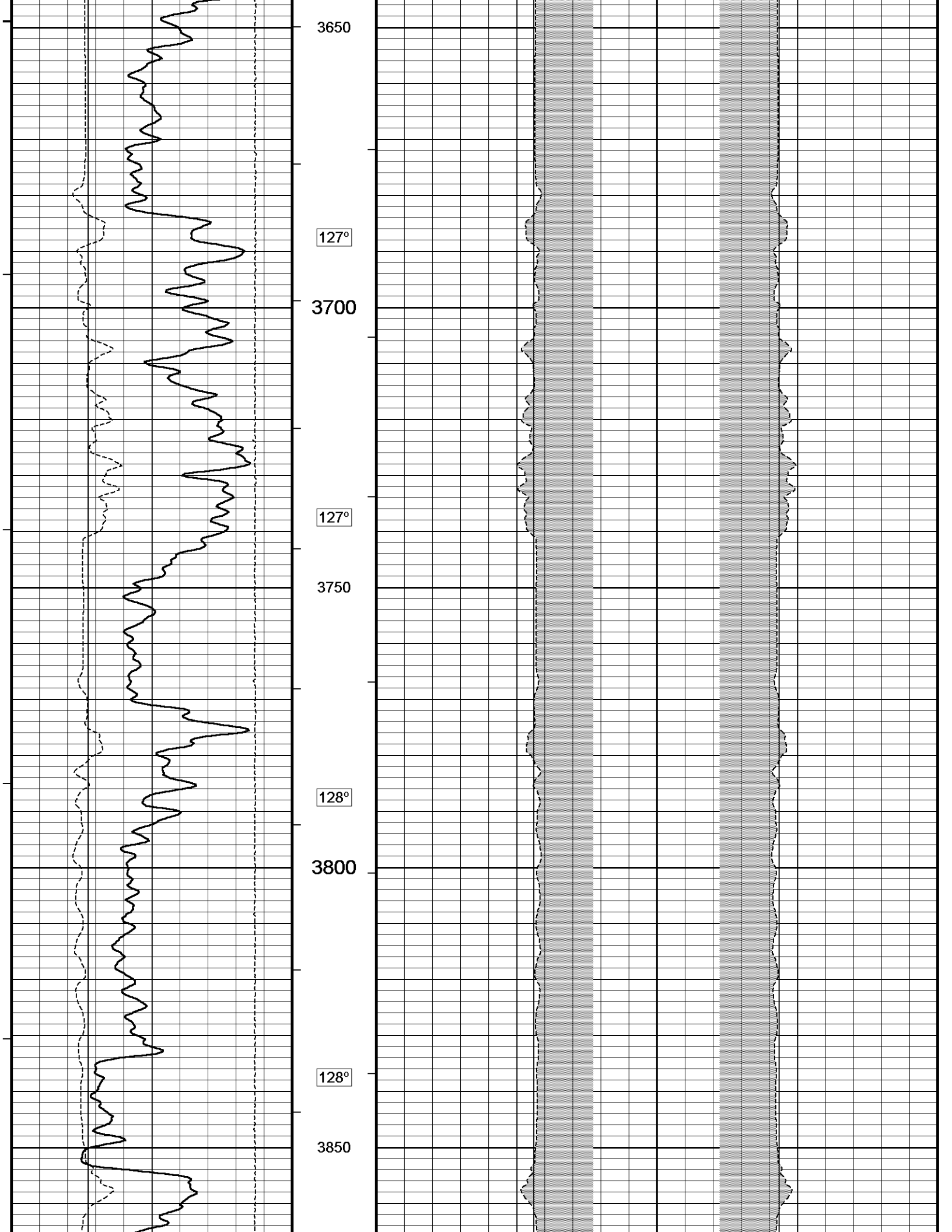


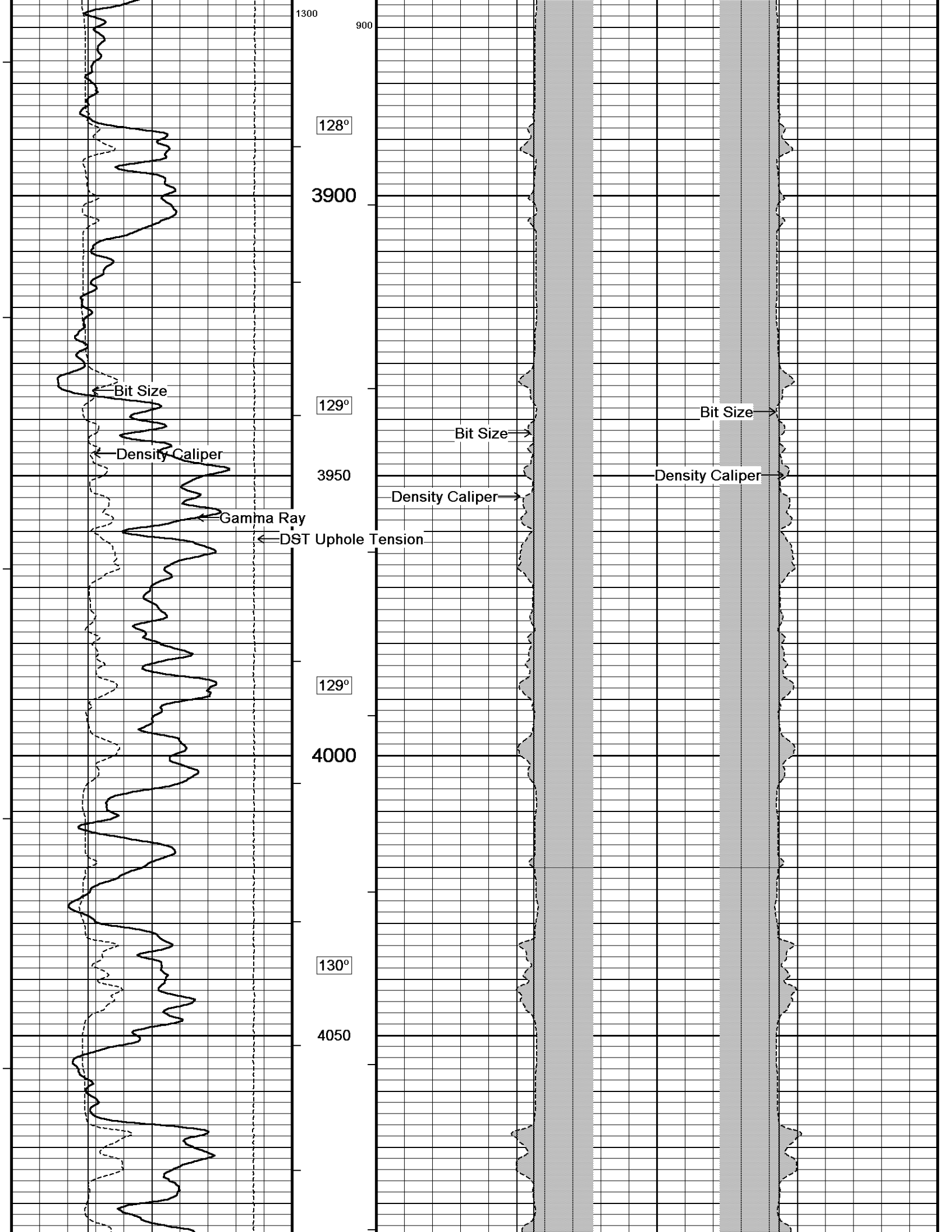


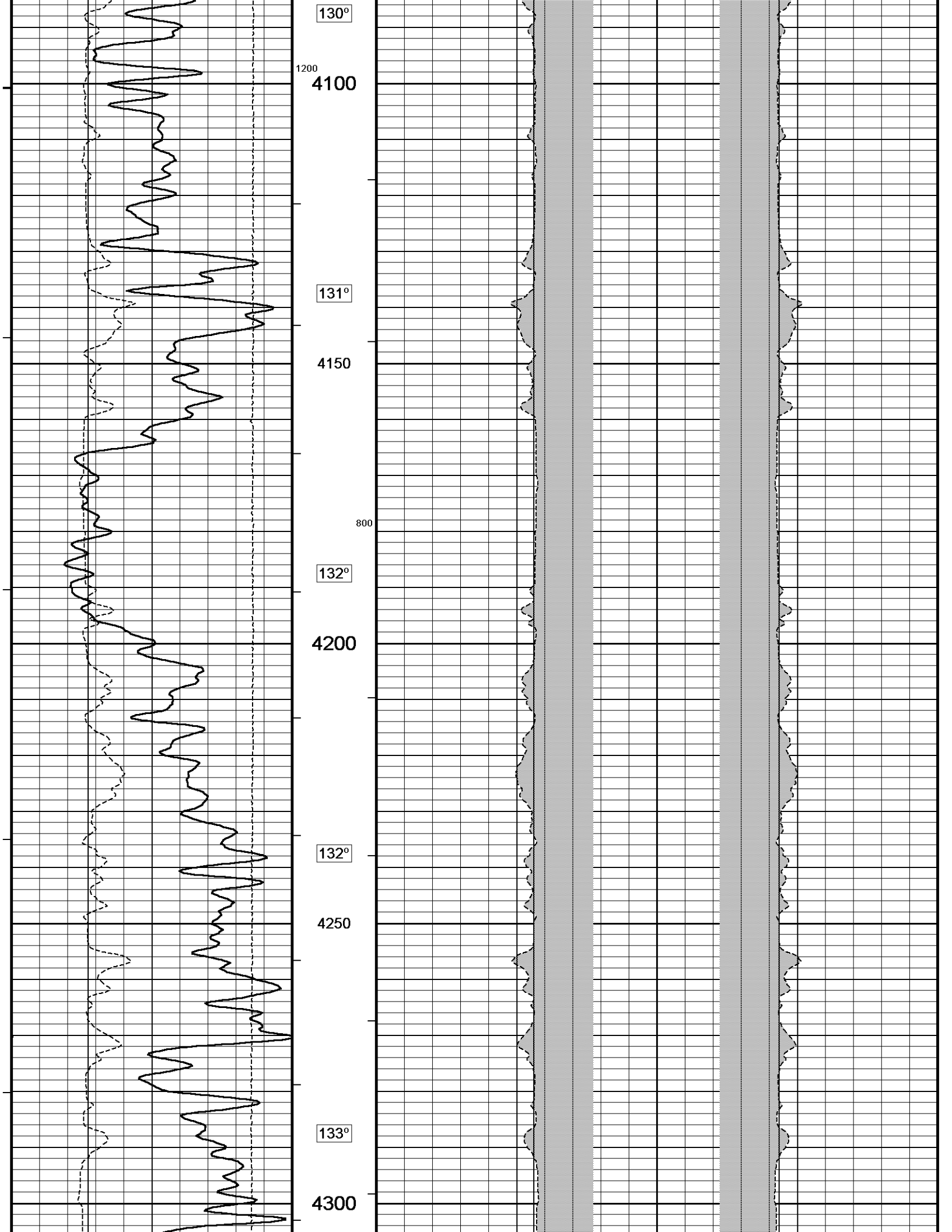


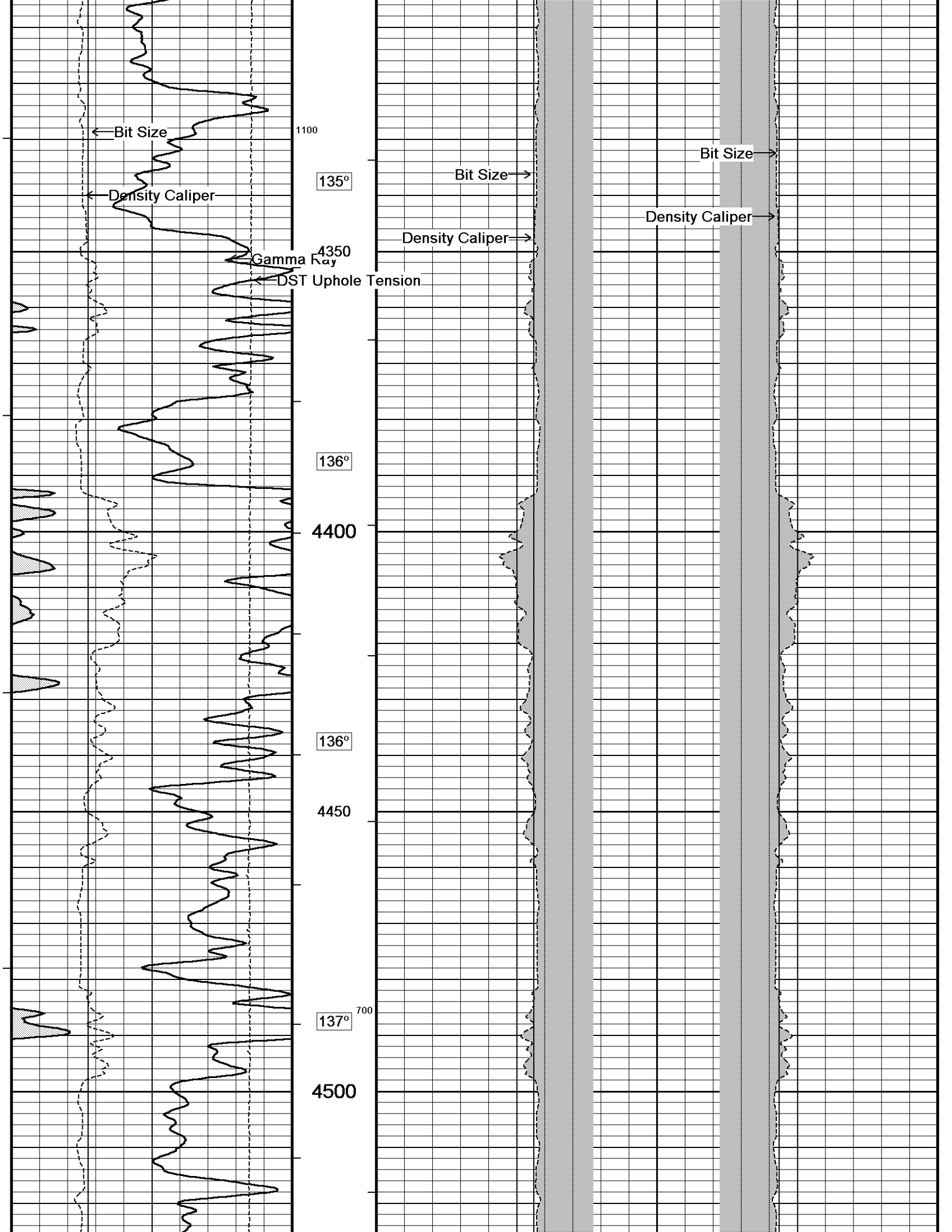


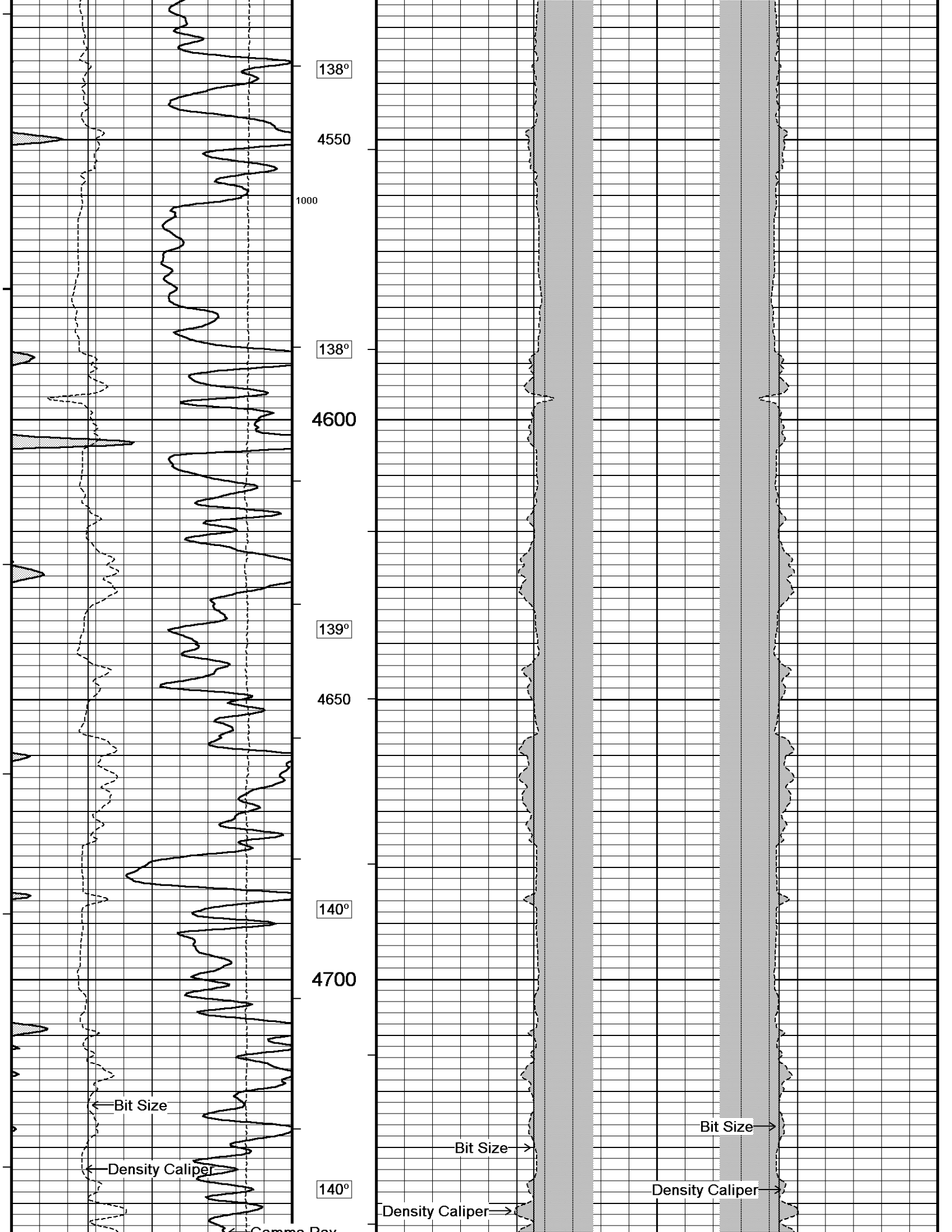




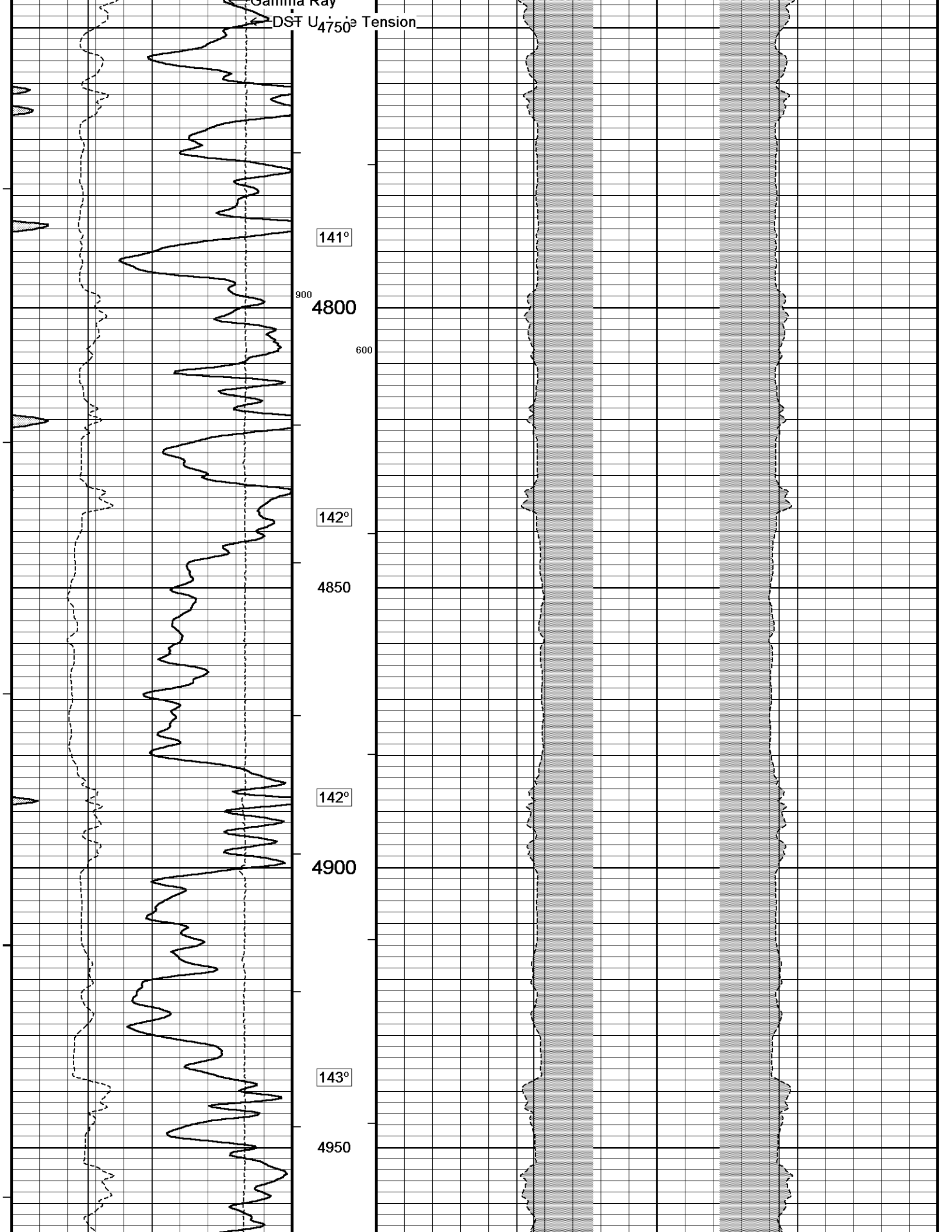


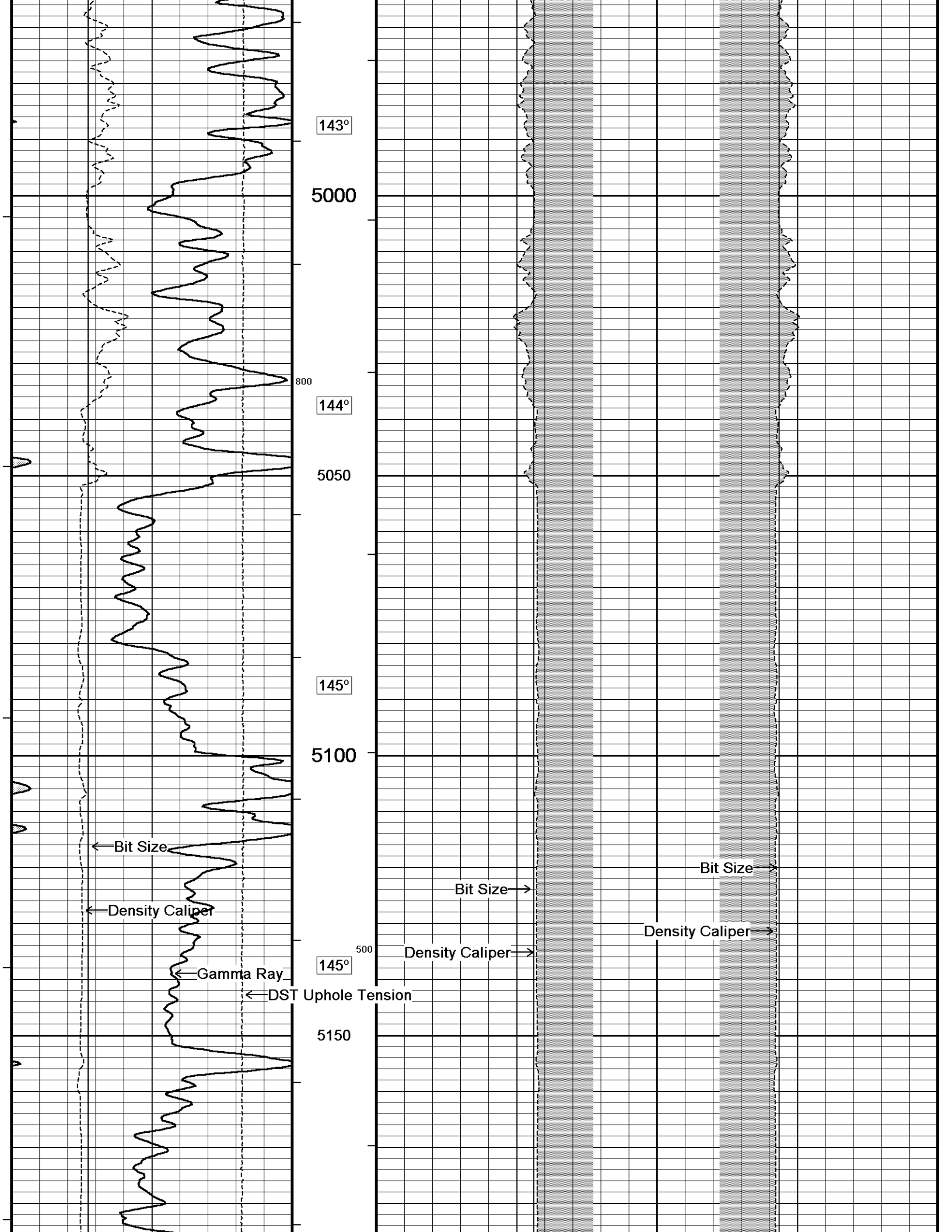


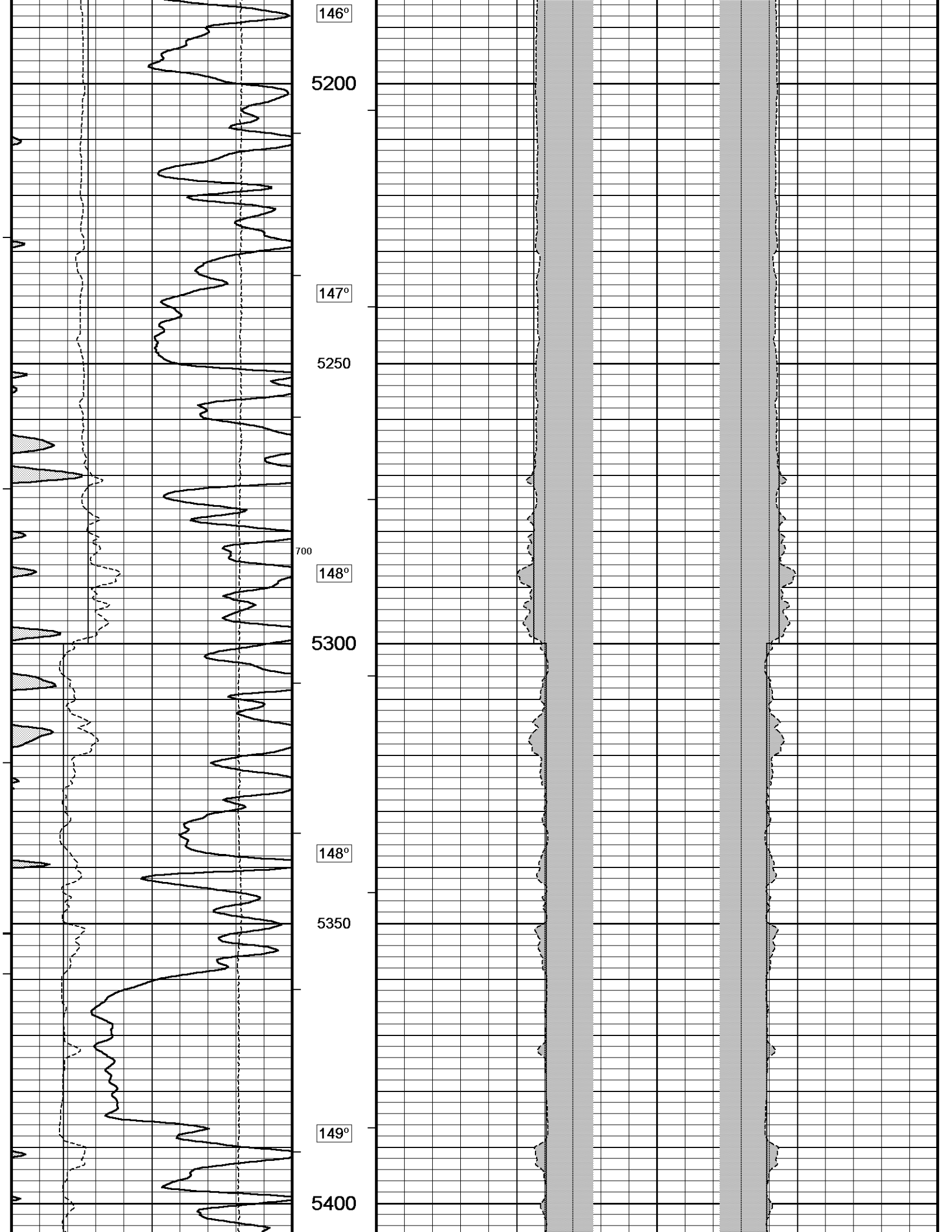


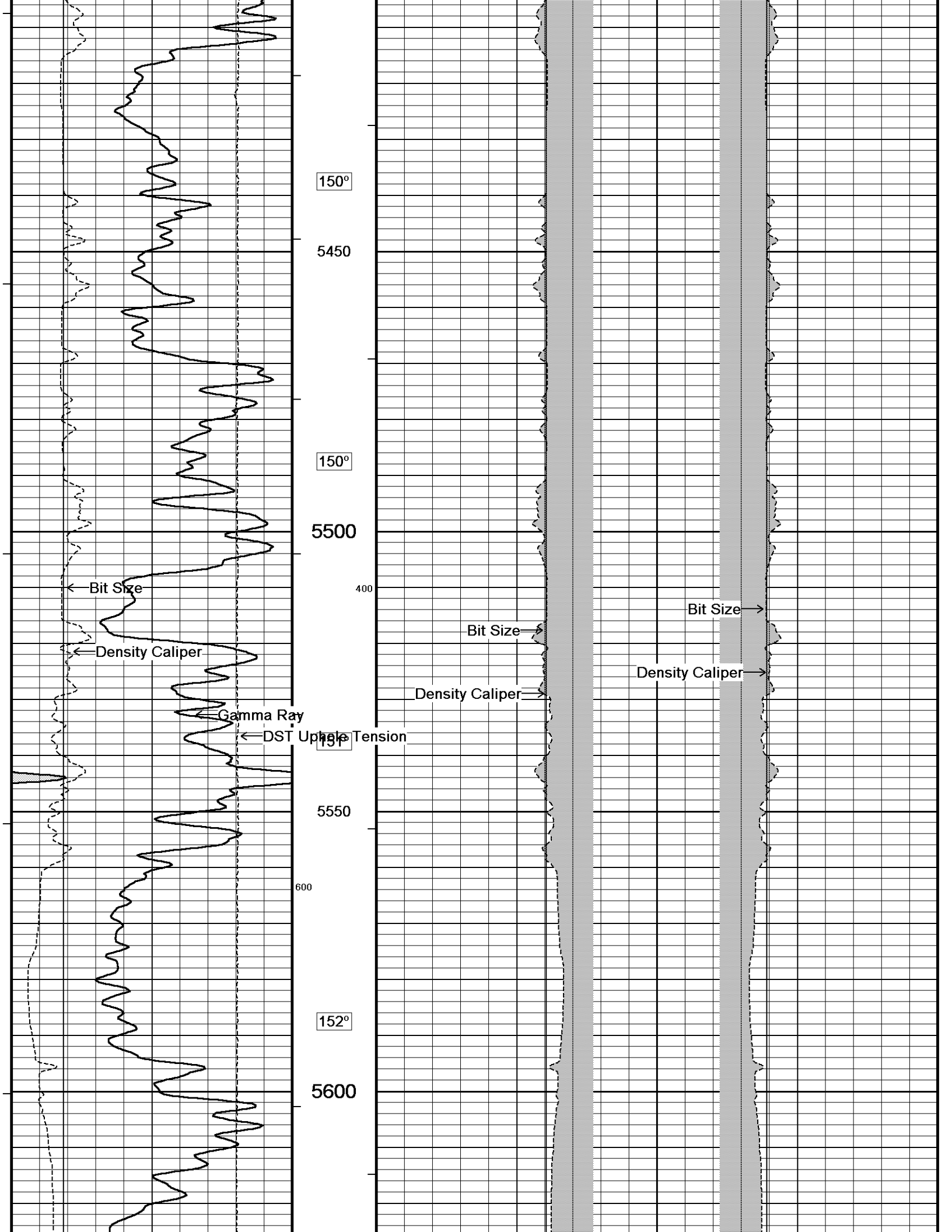


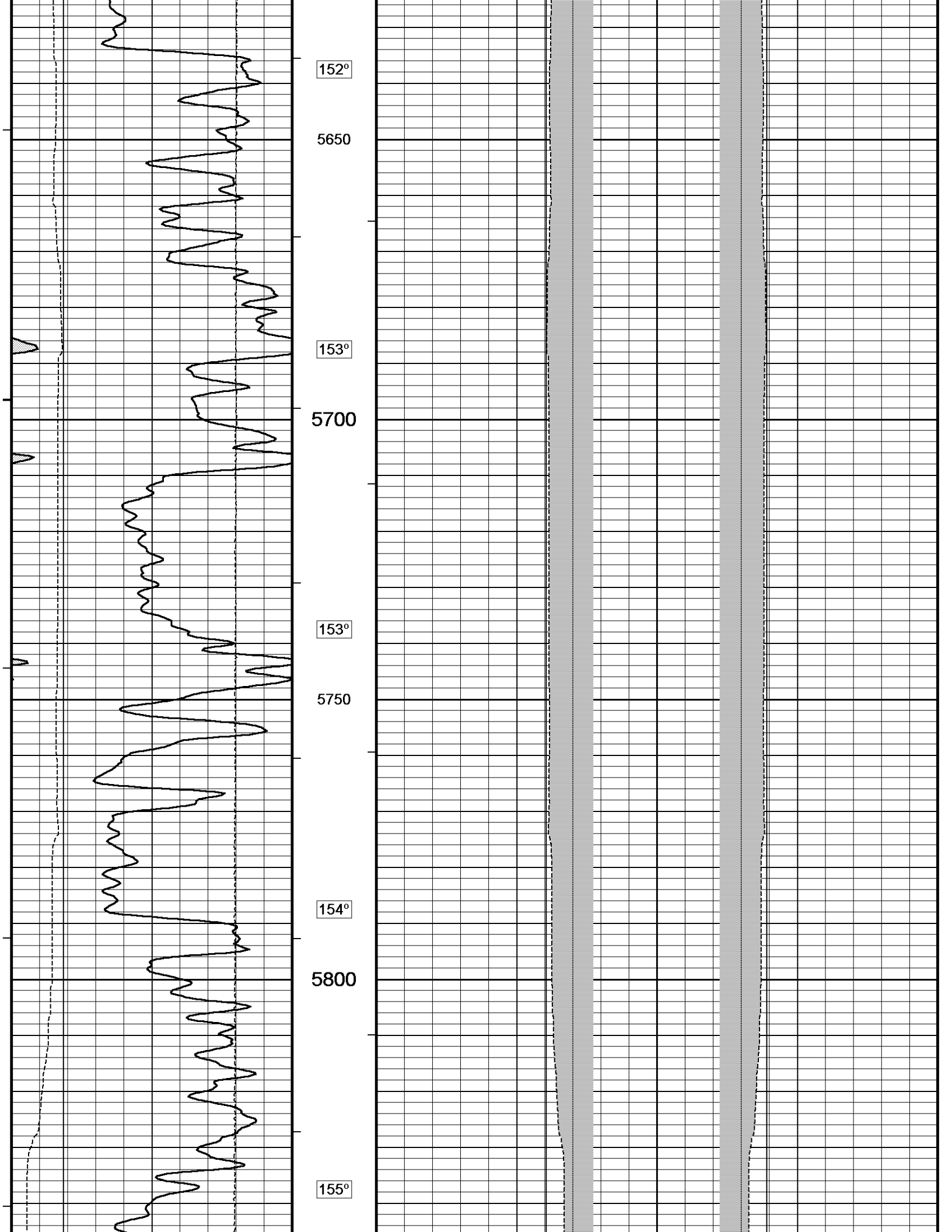
Gamma Ray
DST U₄₇₅₀ Tension

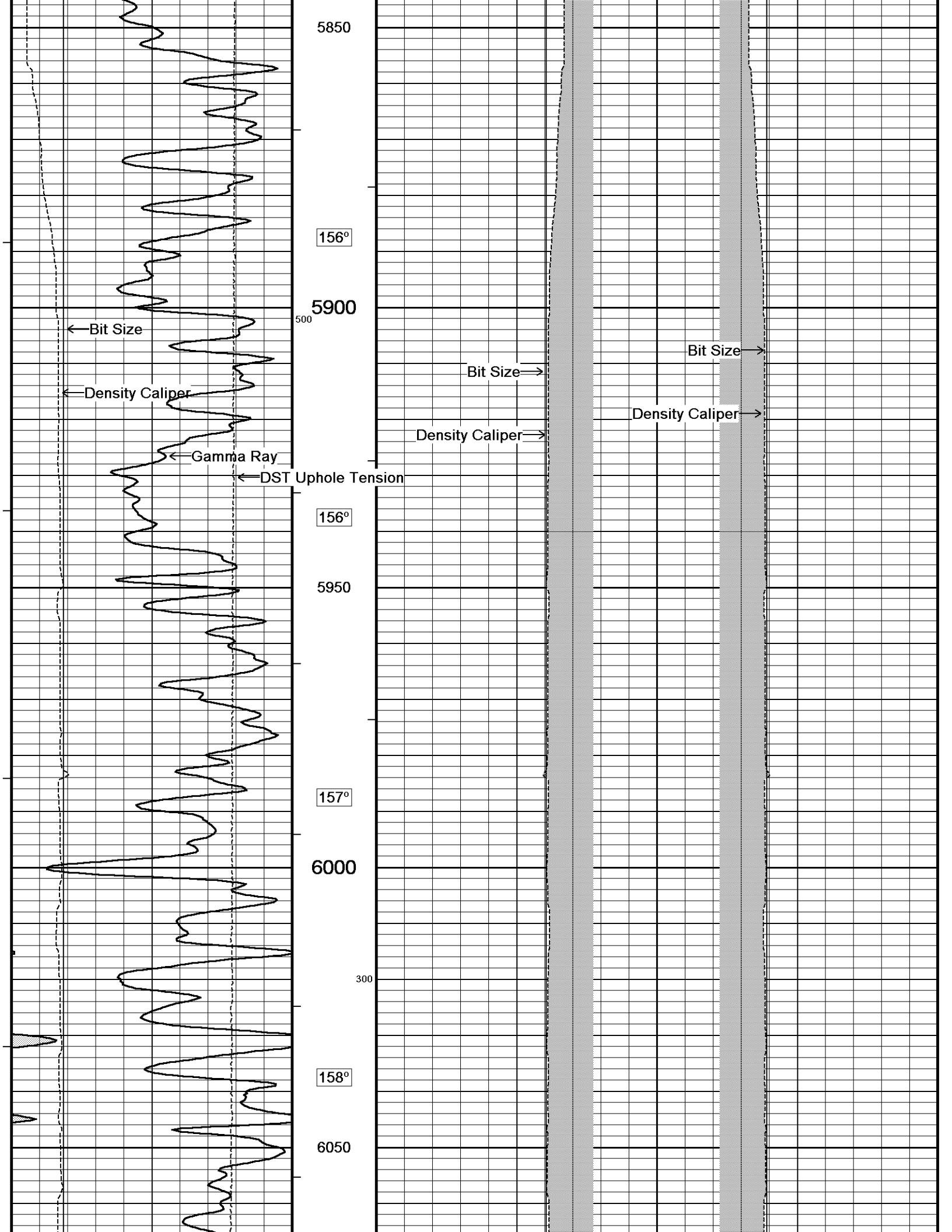


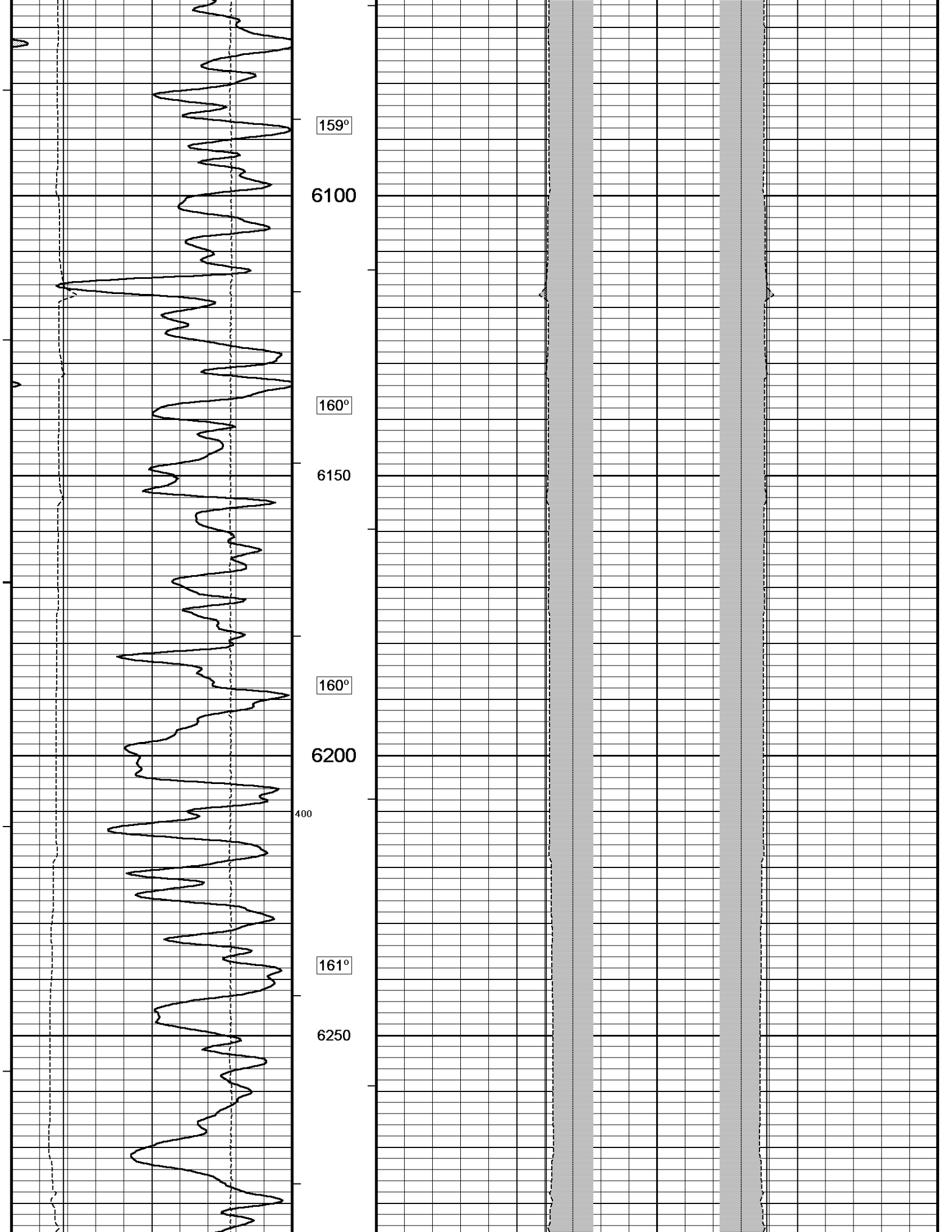


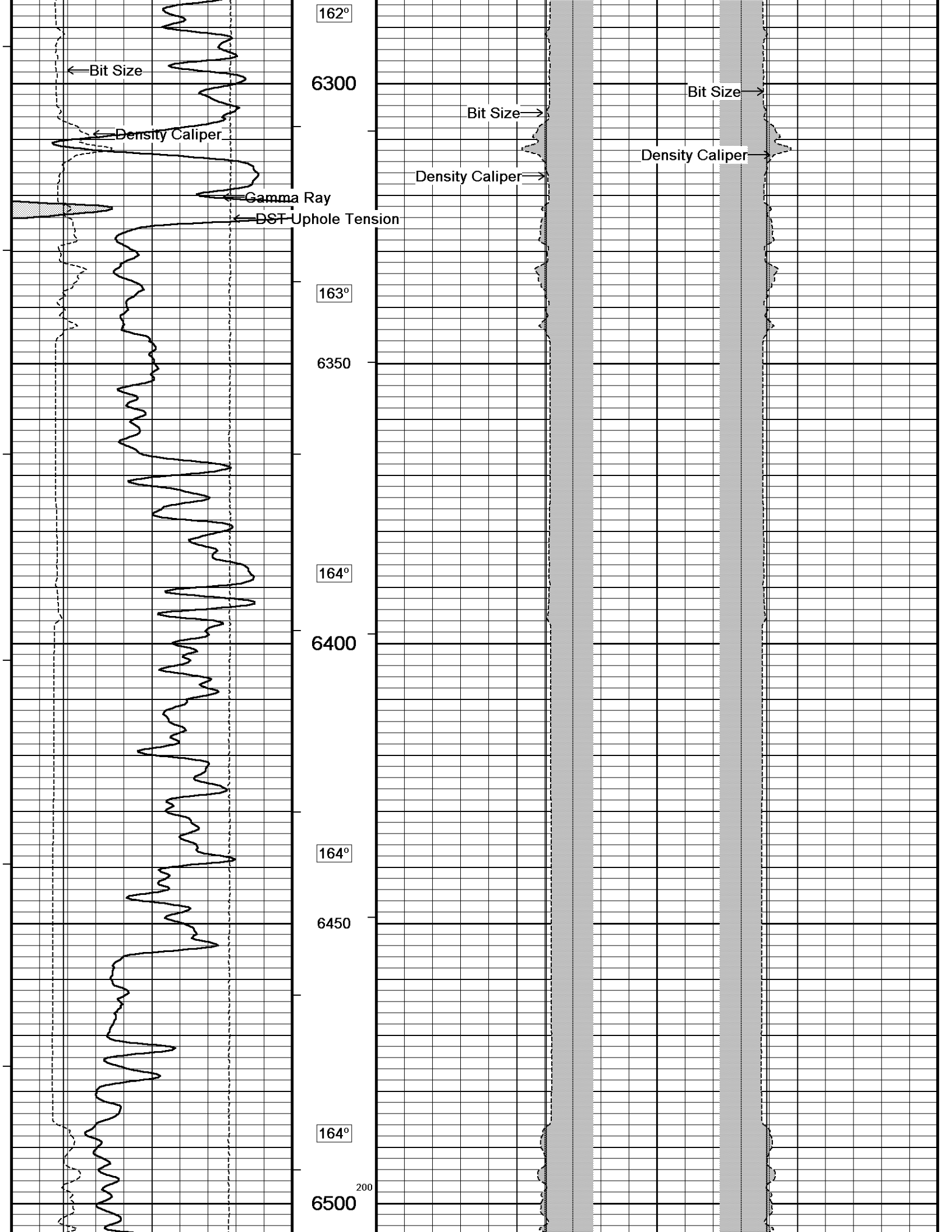


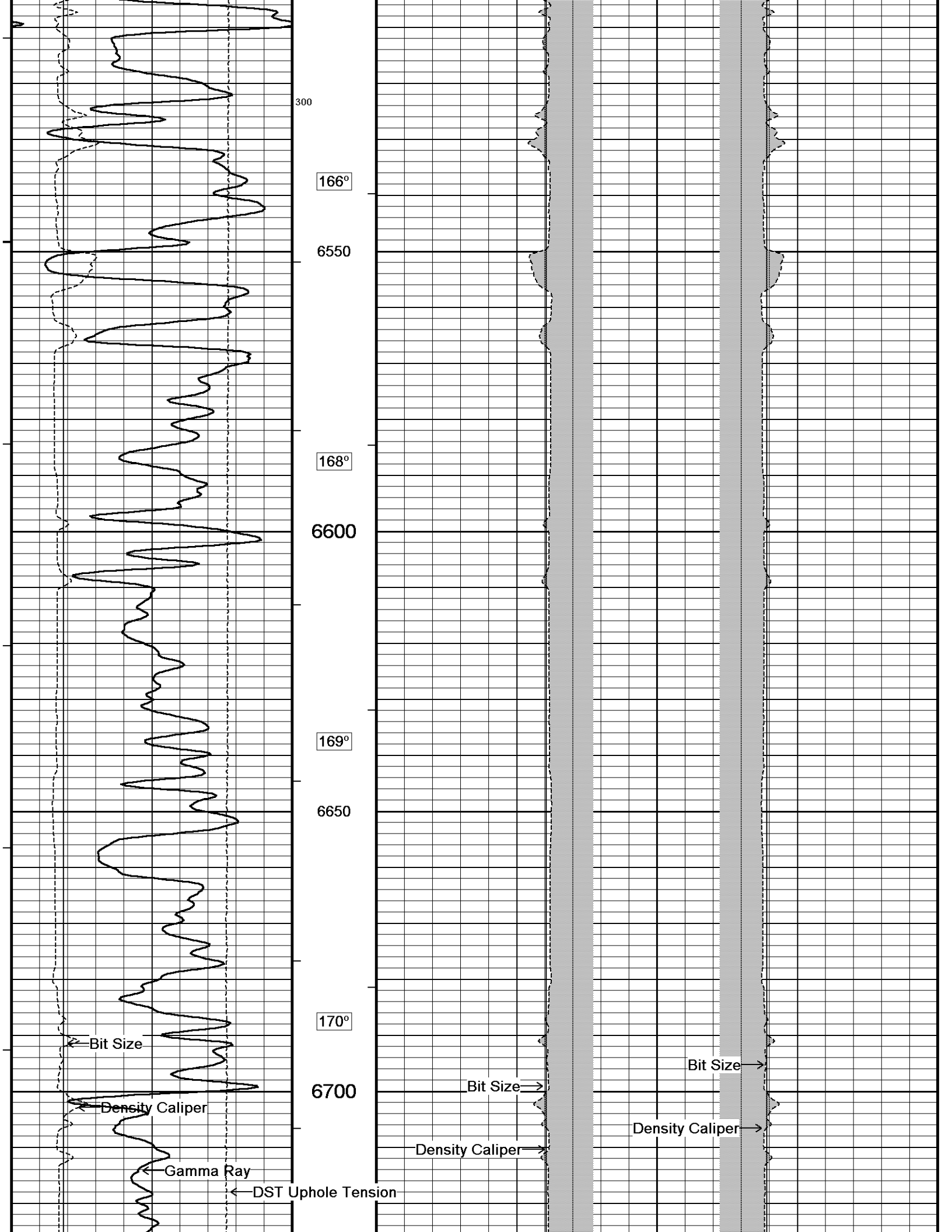


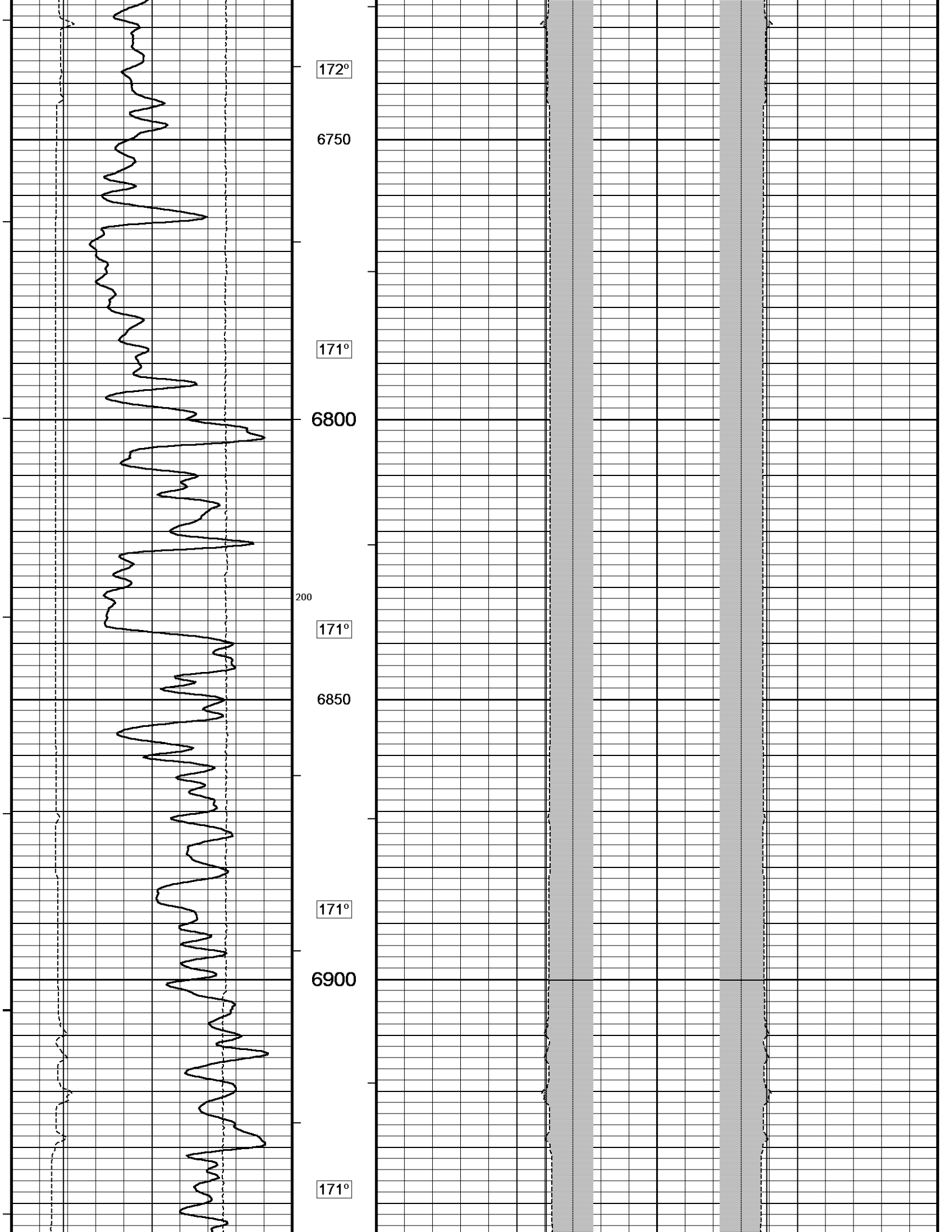


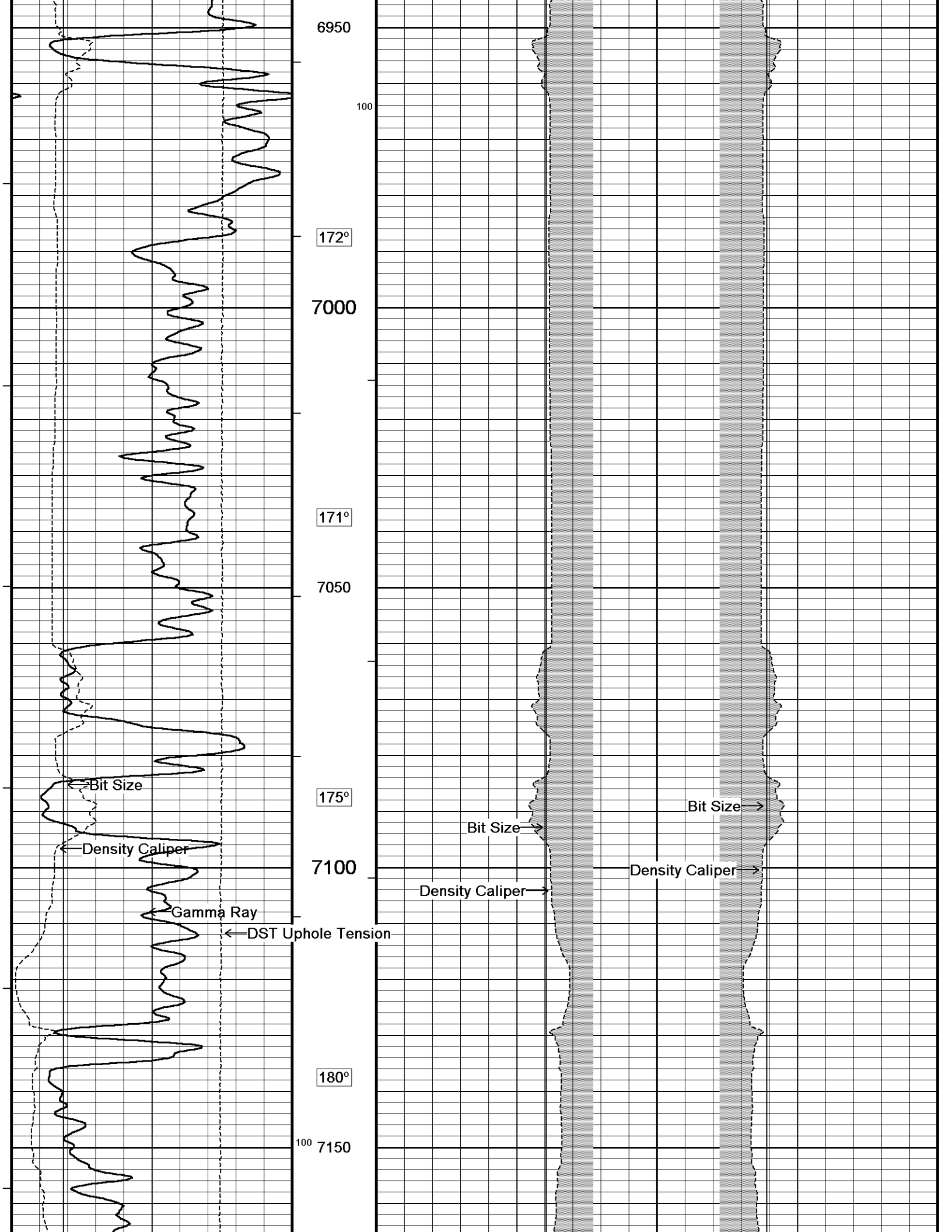


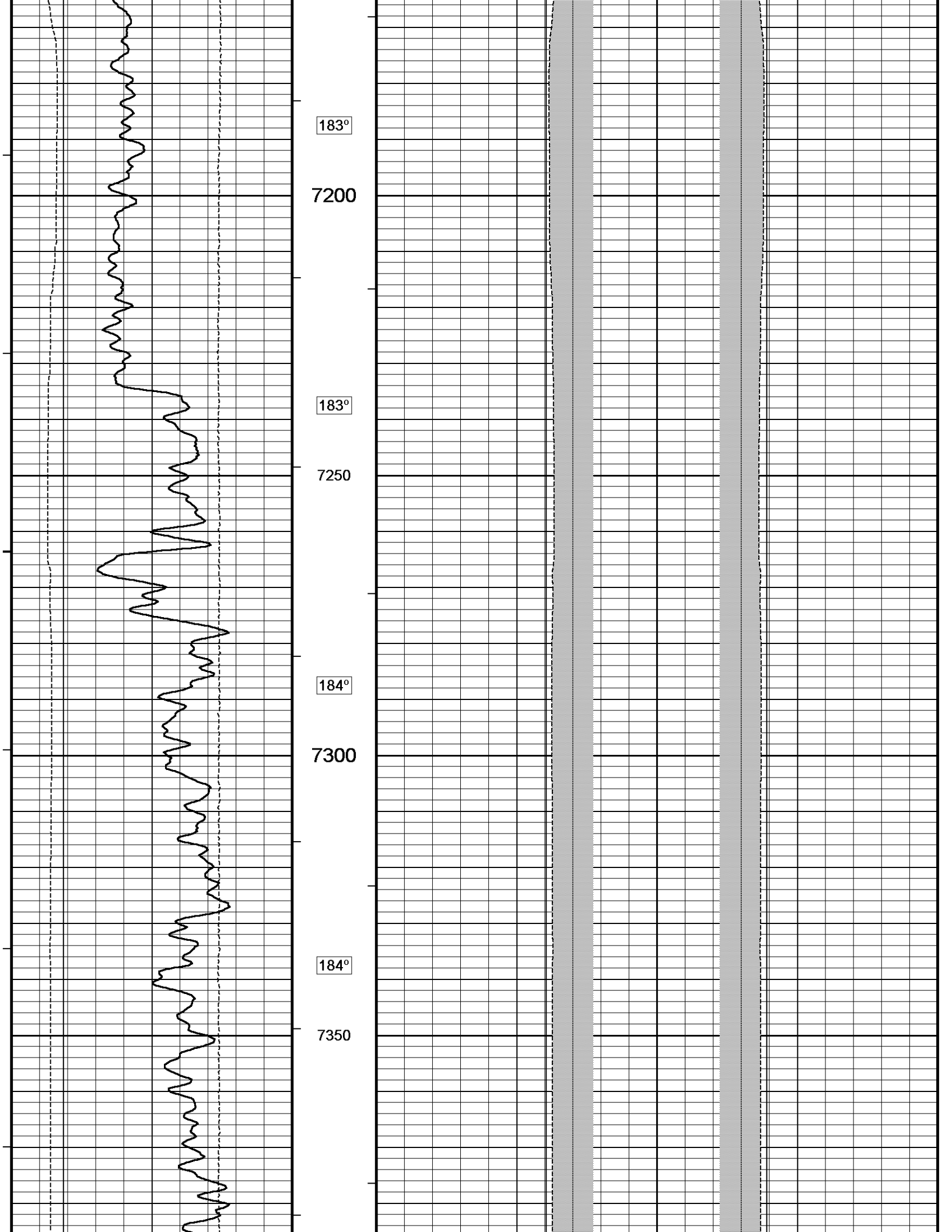


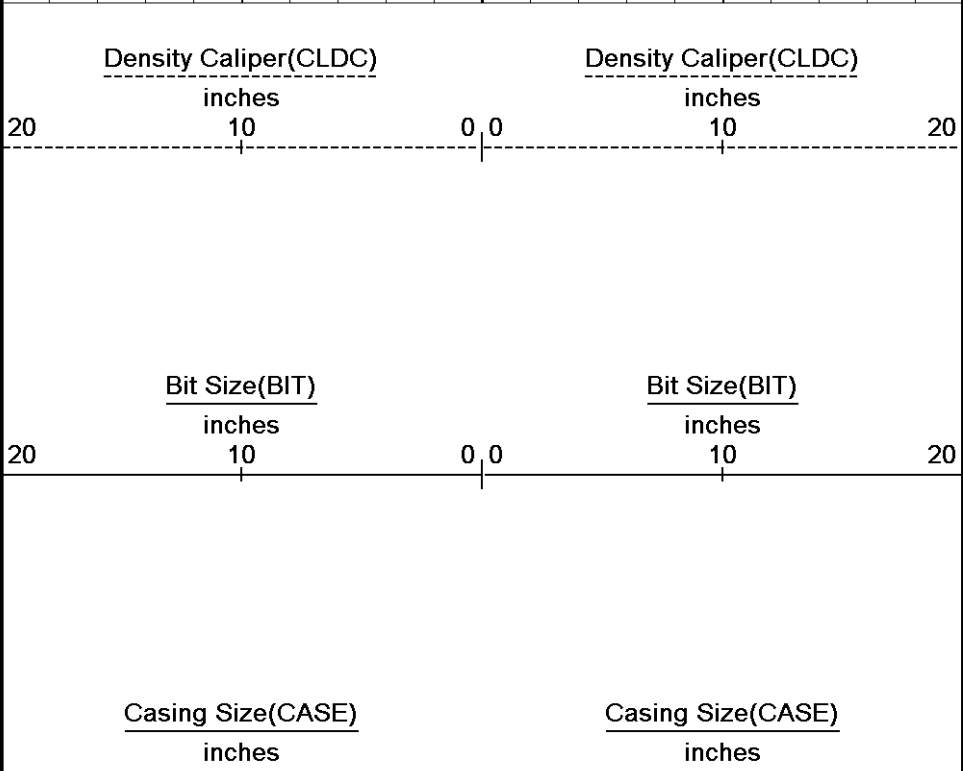
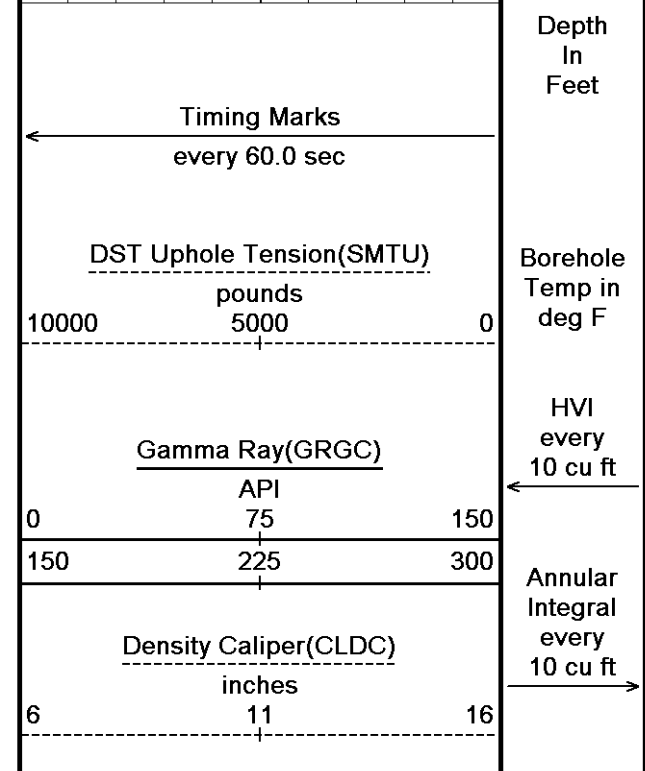
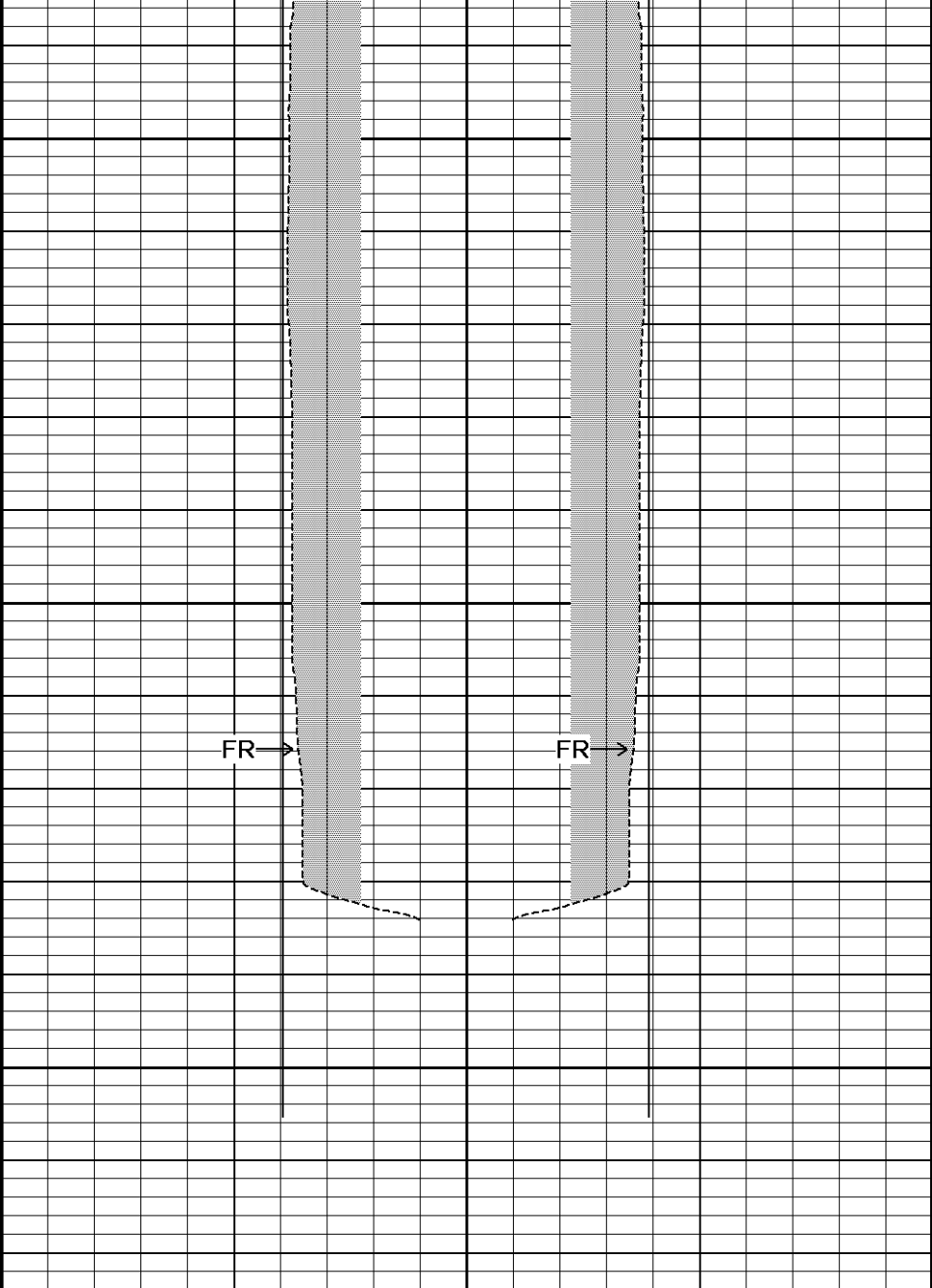
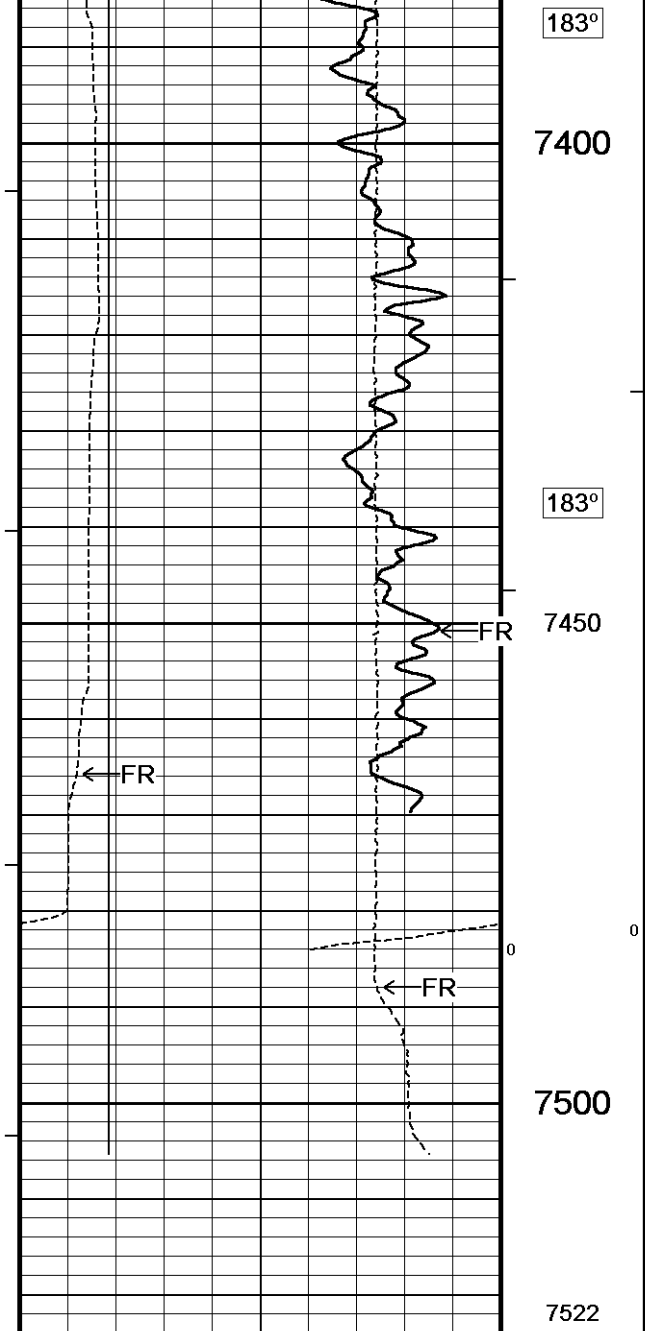












Borehole Temp in deg F

HVI every 10 cu ft

Annular Integral every 10 cu ft

