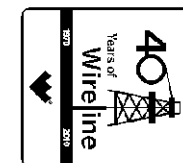




Weatherford

HOLE VOLUME CALIPER LOG



COMPANY **BILL BARRETT CORPORATION**
WELL **GGU FEDERAL 41B-29-691**
FIELD **GIBSON GULCH**
PROVINCE/COUNTY **GARFIELD**
COUNTRY/STATE **U.S.A. / COLORADO**
LOCATION **SHL: 1240' FNL & 1367' FEL**
BHL: 819' FNL & 664' FEL

SEC	TWP	RGE	Other Services
29	6S	91W	MPD/MDN MAI/MFE
API Number 05-045-19799			
Permit Number			

Permanent Datum G.L., Elevation 6104 feet
Log Measured From K.B. @ 23 FEET above Permanent Datum
Drilling Measured From K.B.

Elevations:	feet
KB	6127.00
DF	6126.00
GL	6104.00

Date	25-JAN-2011		
Run Number	ONE		
Depth Driller	7435.00	feet	
Depth Logger	7438.00	feet	
First Reading	7416.00		
Last Reading	835.00		
Casing Driller	832.00	feet	
Casing Logger	835.00	feet	
Bit Size	7.880	inches	
Hole Fluid Type	LSND		
Density / Viscosity	11.20 lb/USg	55.00 CP	
PH / Fluid Loss	9.20	6.20 ml/30Min	
Sample Source	FLOW LINE		
Rm @ Measured Temp	3.90 @ 92.0	ohm-m	
Rmf @ Measured Temp	3.12 @ 92.0	ohm-m	
Rmc @ Measured Temp	4.68 @ 92.0	ohm-m	
Source Rmf / Rmc	CALC	CALC	
Rm @ BHT	1.97 @ 184.0	ohm-m	
Time Since Circulation	6 HOURS		
Max Recorded Temp	184.00	deg F	
Equipment Name	COMPACT		
Equipment / Base	13173	GD JCT	
Recorded By	J.GARCIA		
Witnessed By	C.CROW		

BOREHOLE RECORD			Last Edited: 25-JAN-2011 16:03	
Bit Size inches	Depth From feet		Depth To feet	
8.750	832.00		5440.00	
7.880	5440.00		7435.00	
CASING RECORD				
Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE	9.625	0.00	832.00	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.	
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 5440 FT.	

TOTAL HOLE VOLUME FROM TD TO SURFACE CASING = 2920 CU.FT.

ANNULAR VOLUME WITH 4.5 INCH PRODUCTION CASING = 2170 CU.FT.

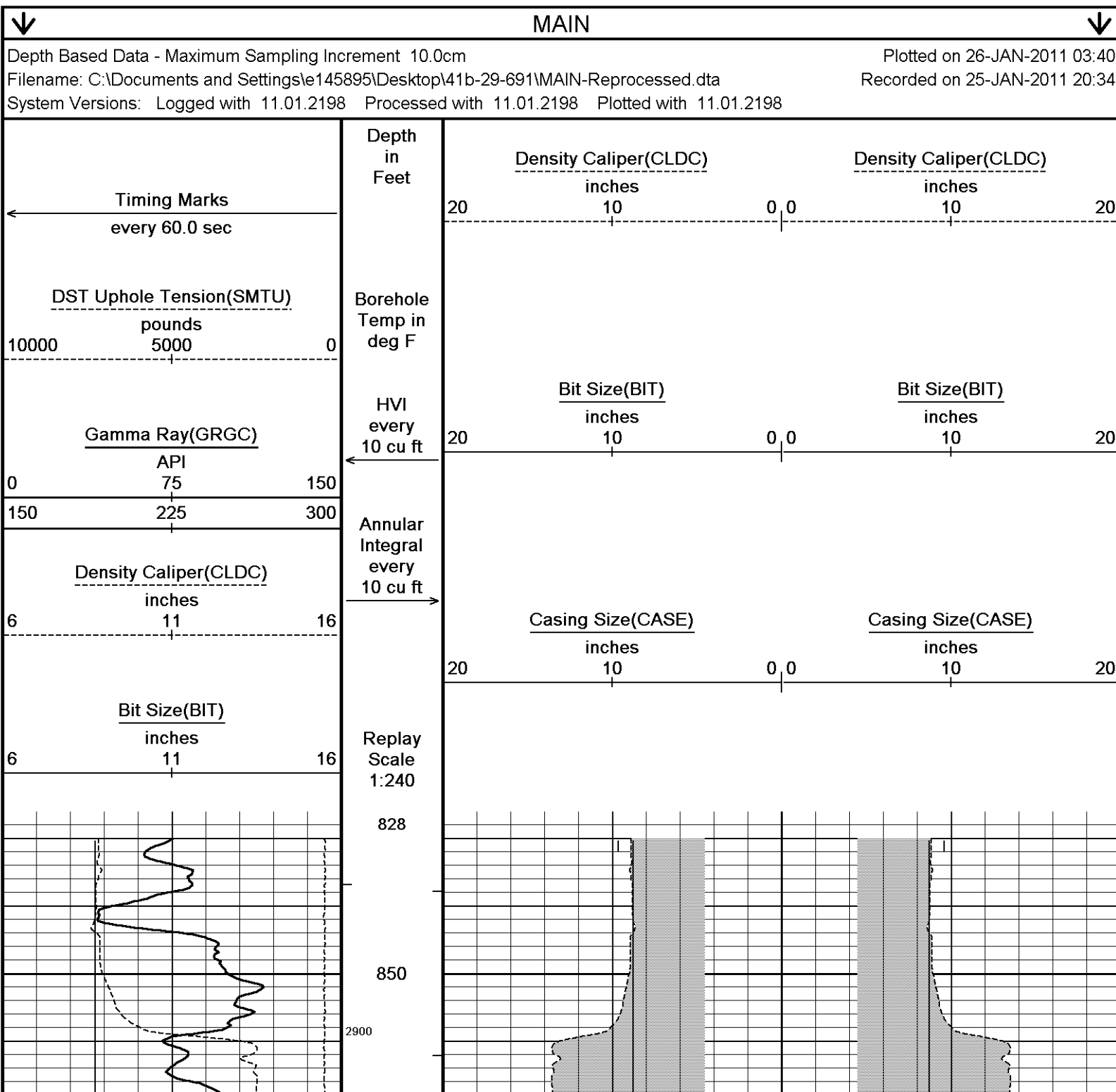
ENGINEER(S): J.GARCIA

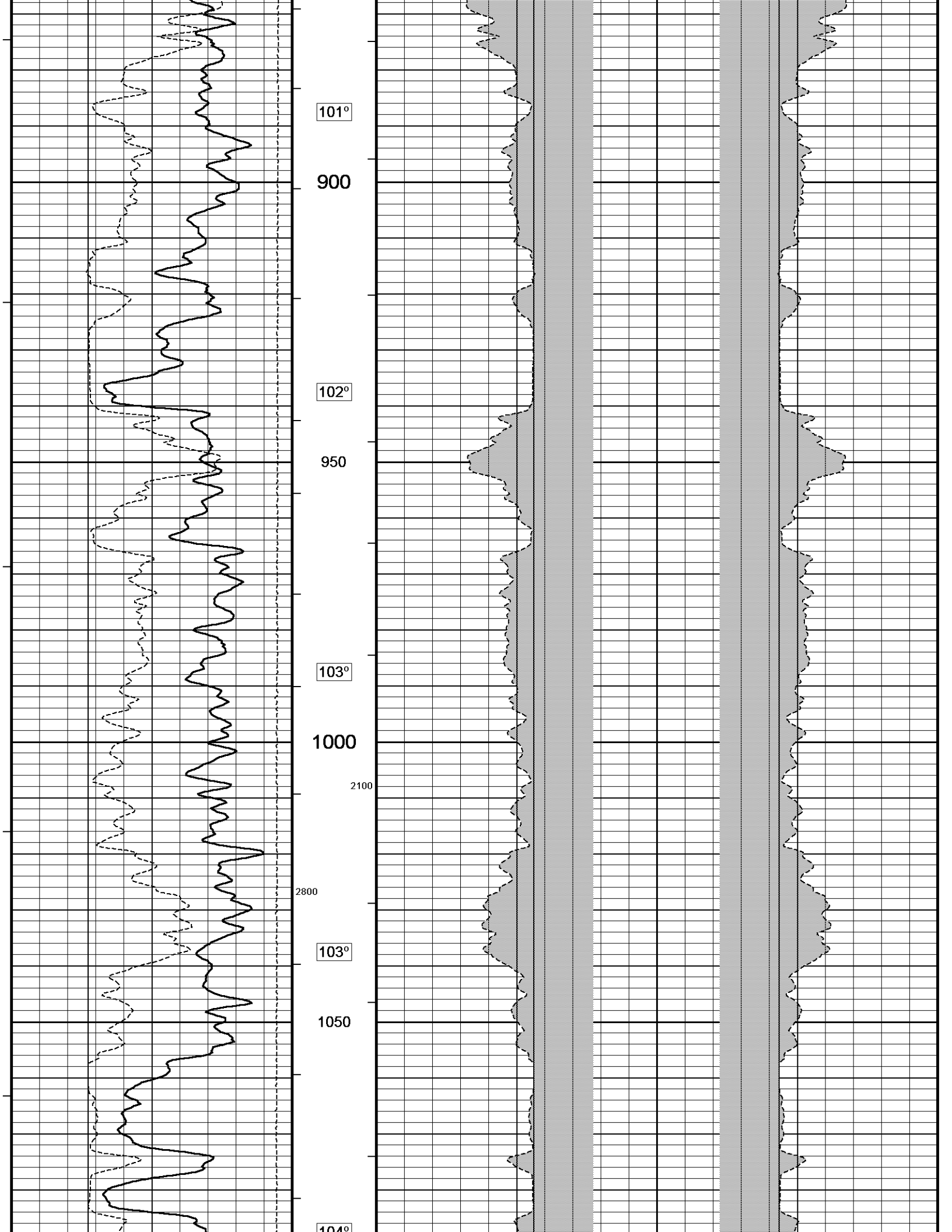
OPERATOR: L.STAAKE, S.KAISER

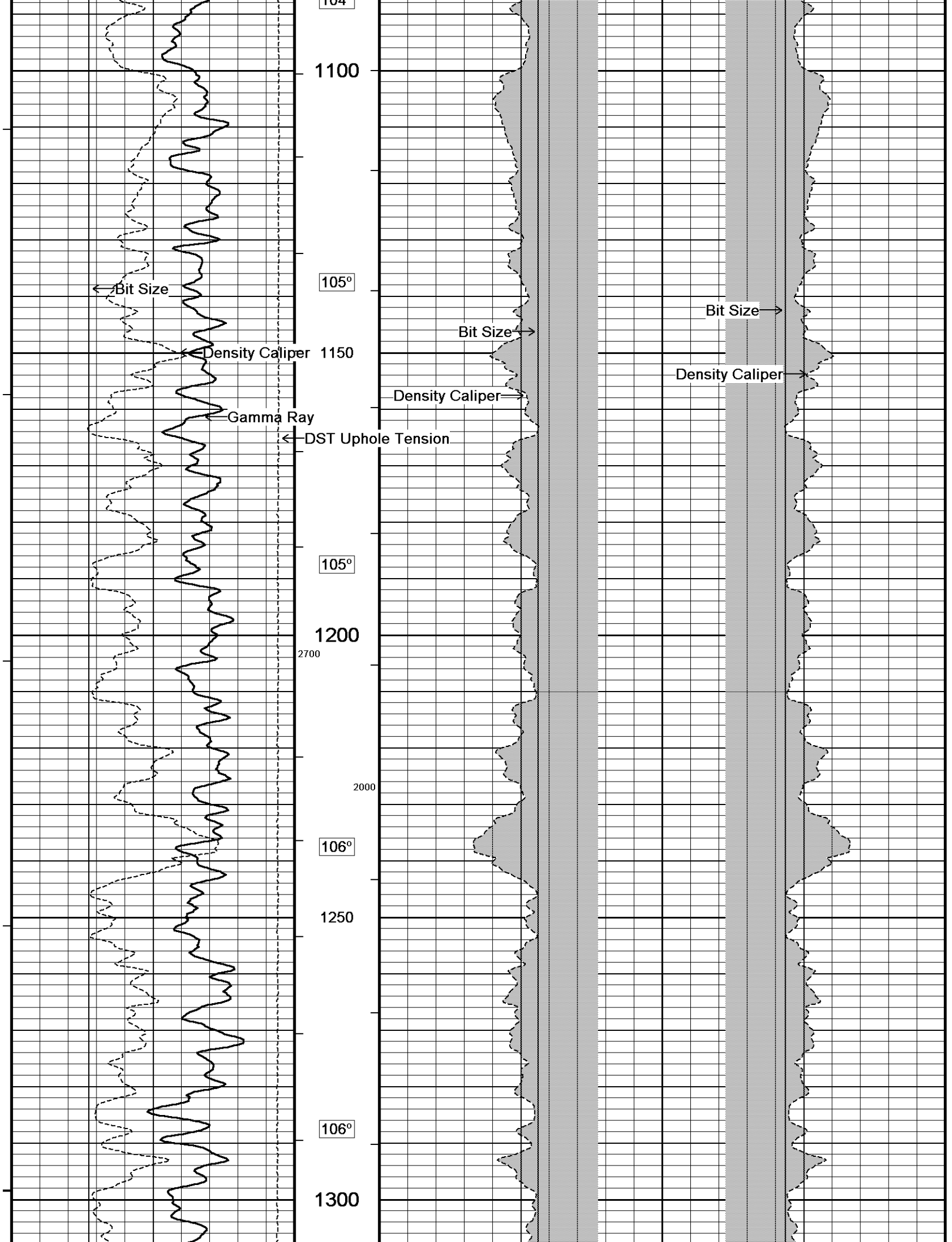
SERVICE ORDER: # 3524976

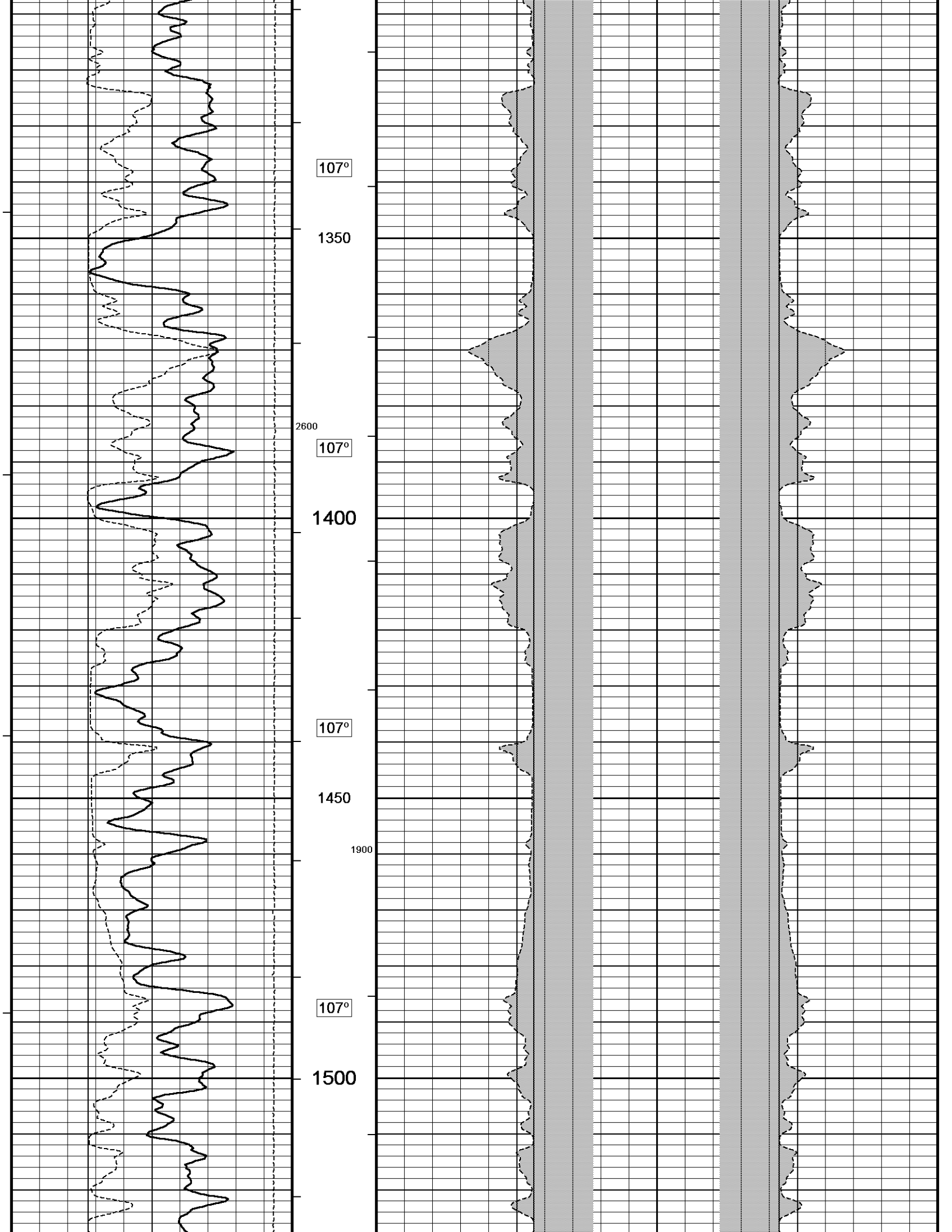
RIG: PATTERSON #307

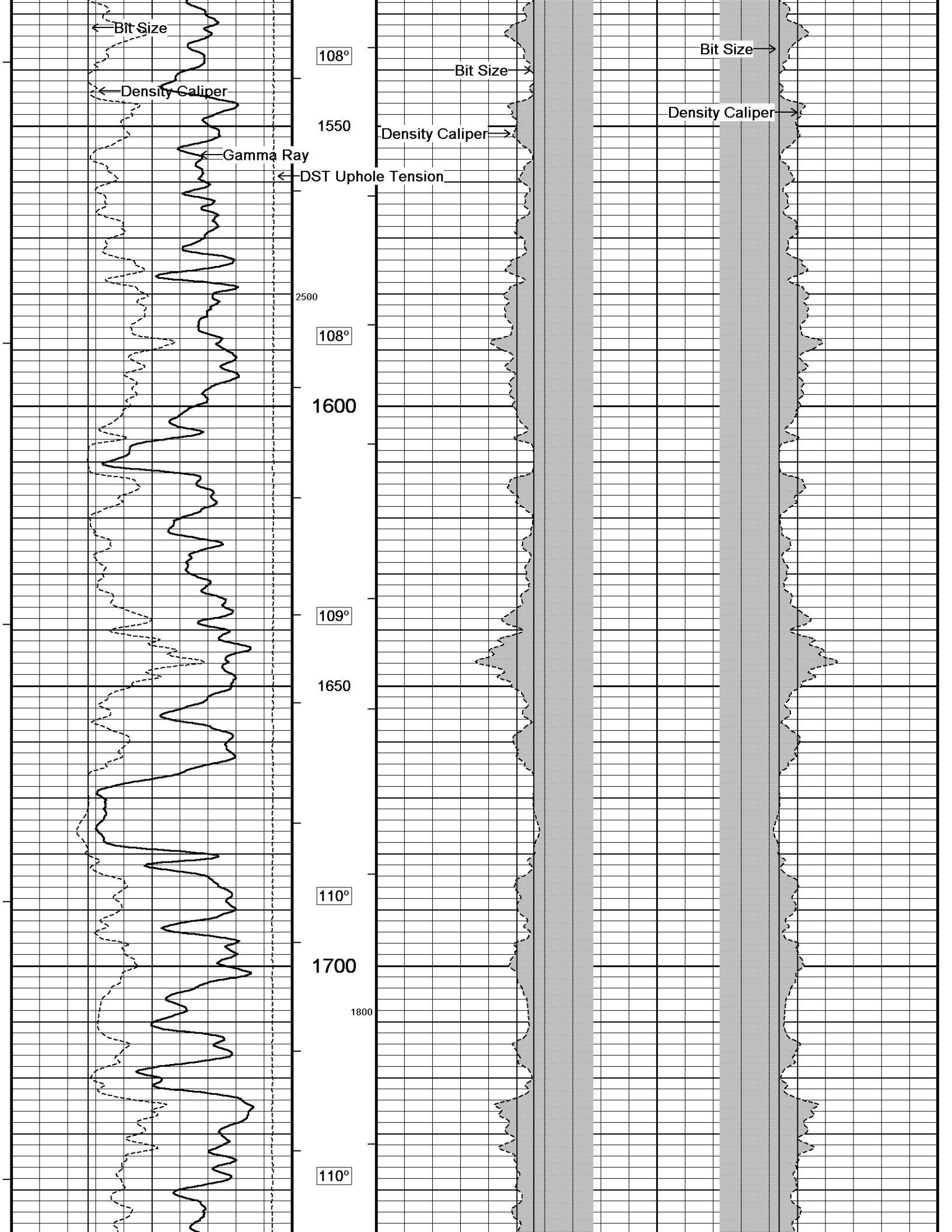
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs,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

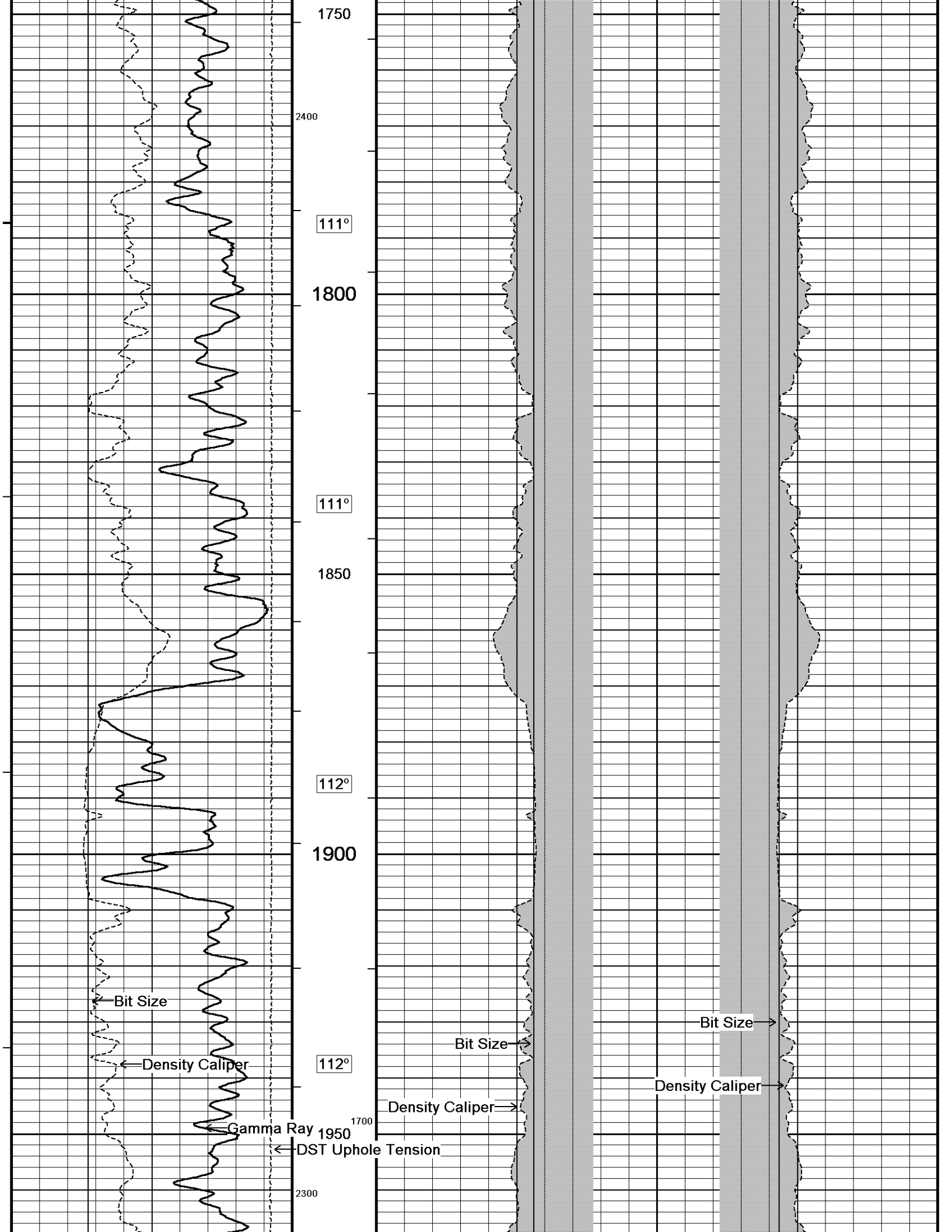


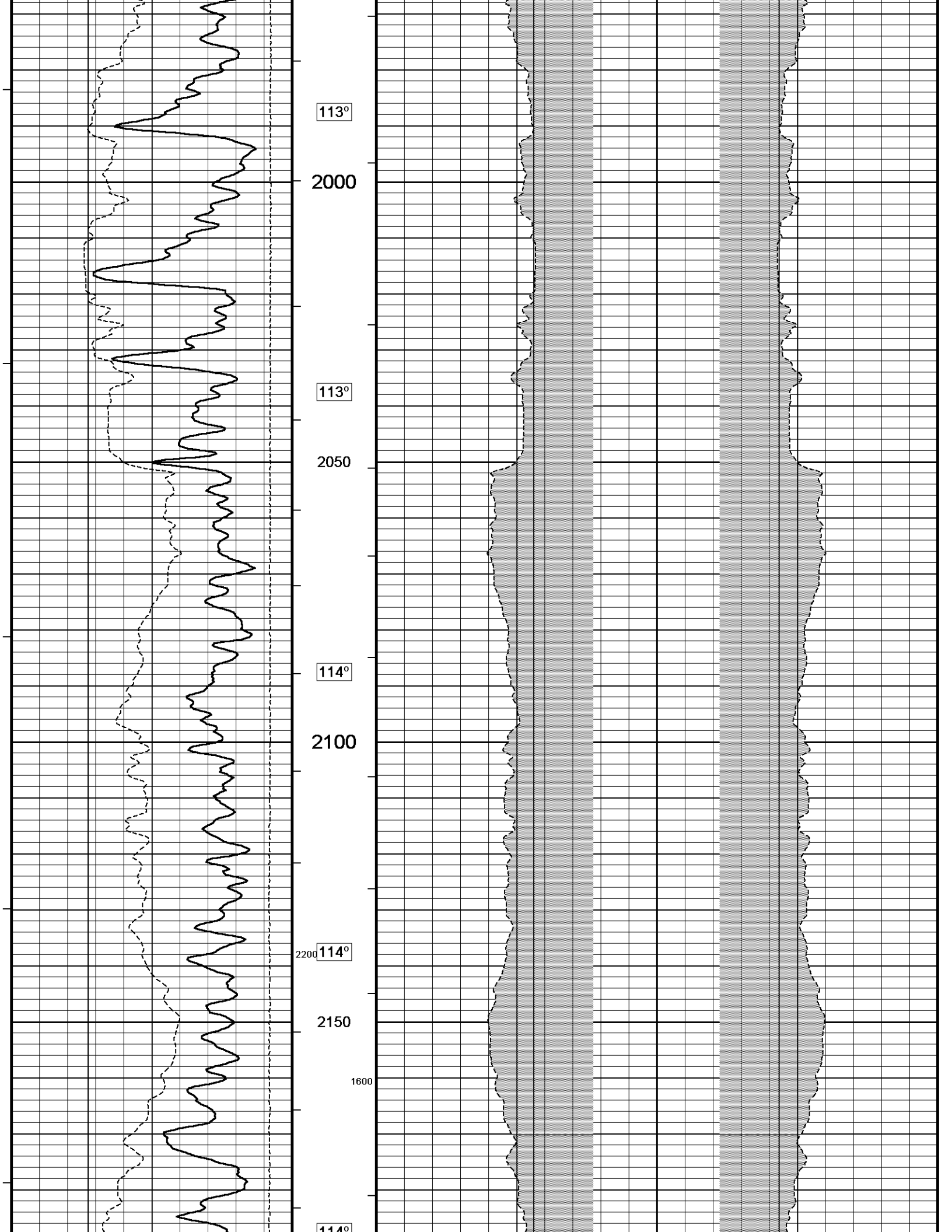


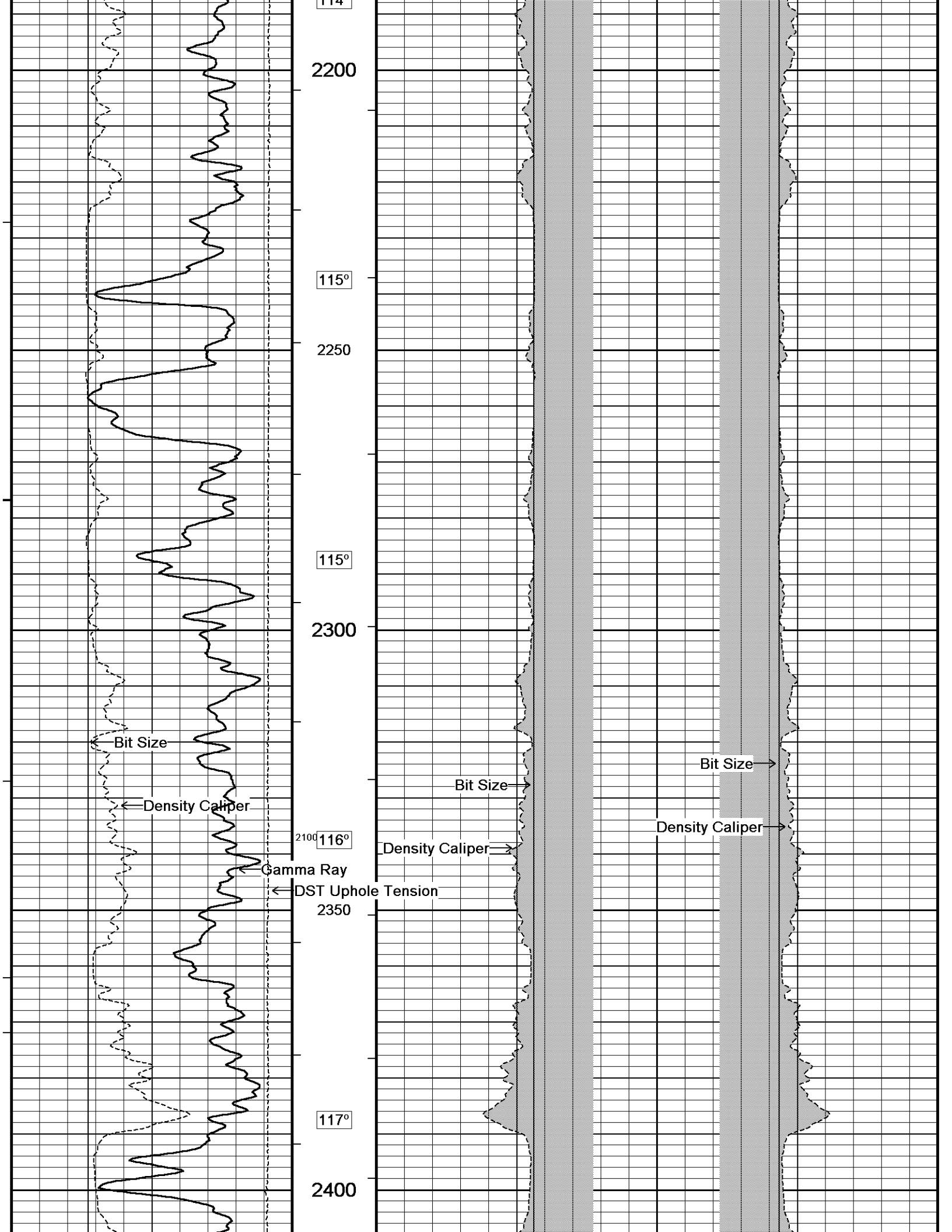


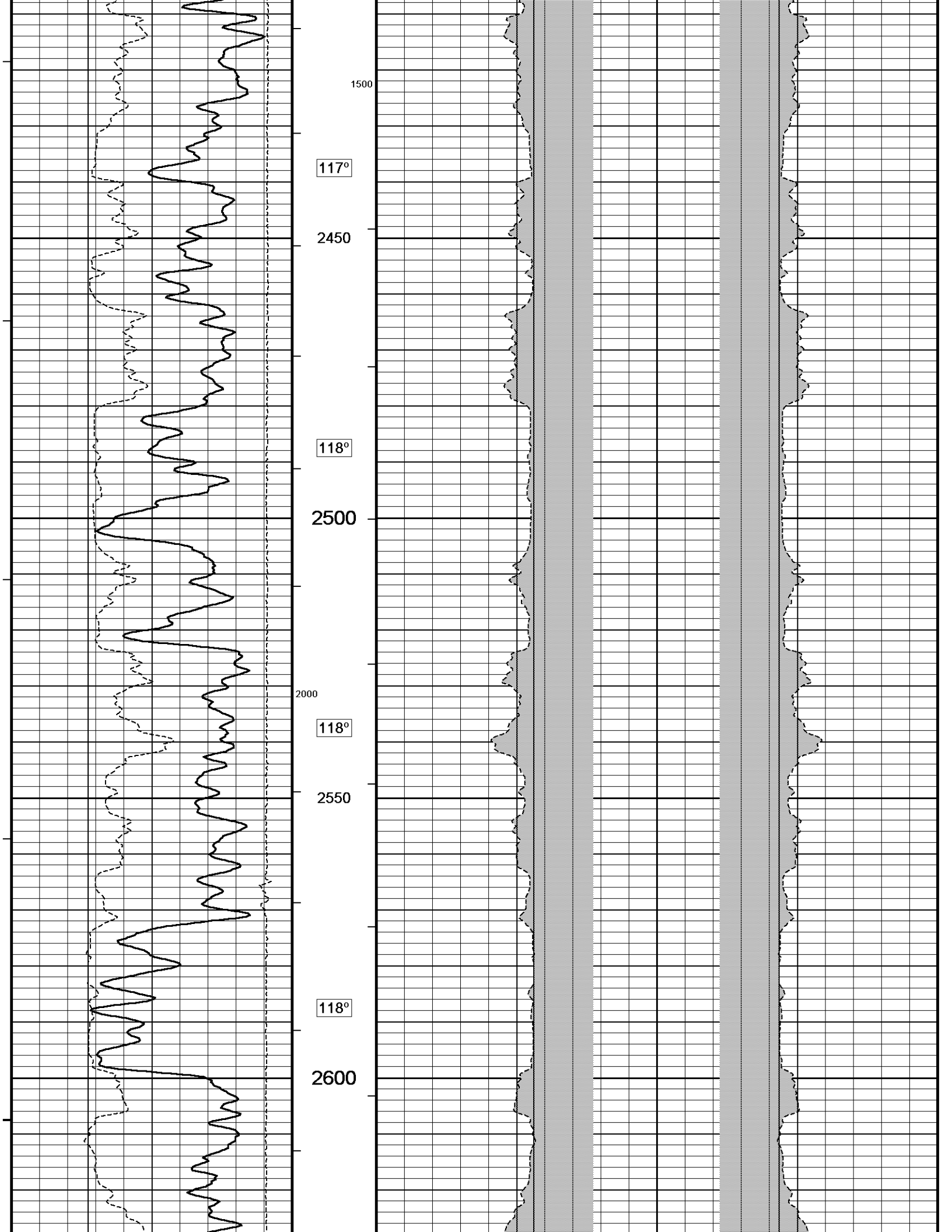


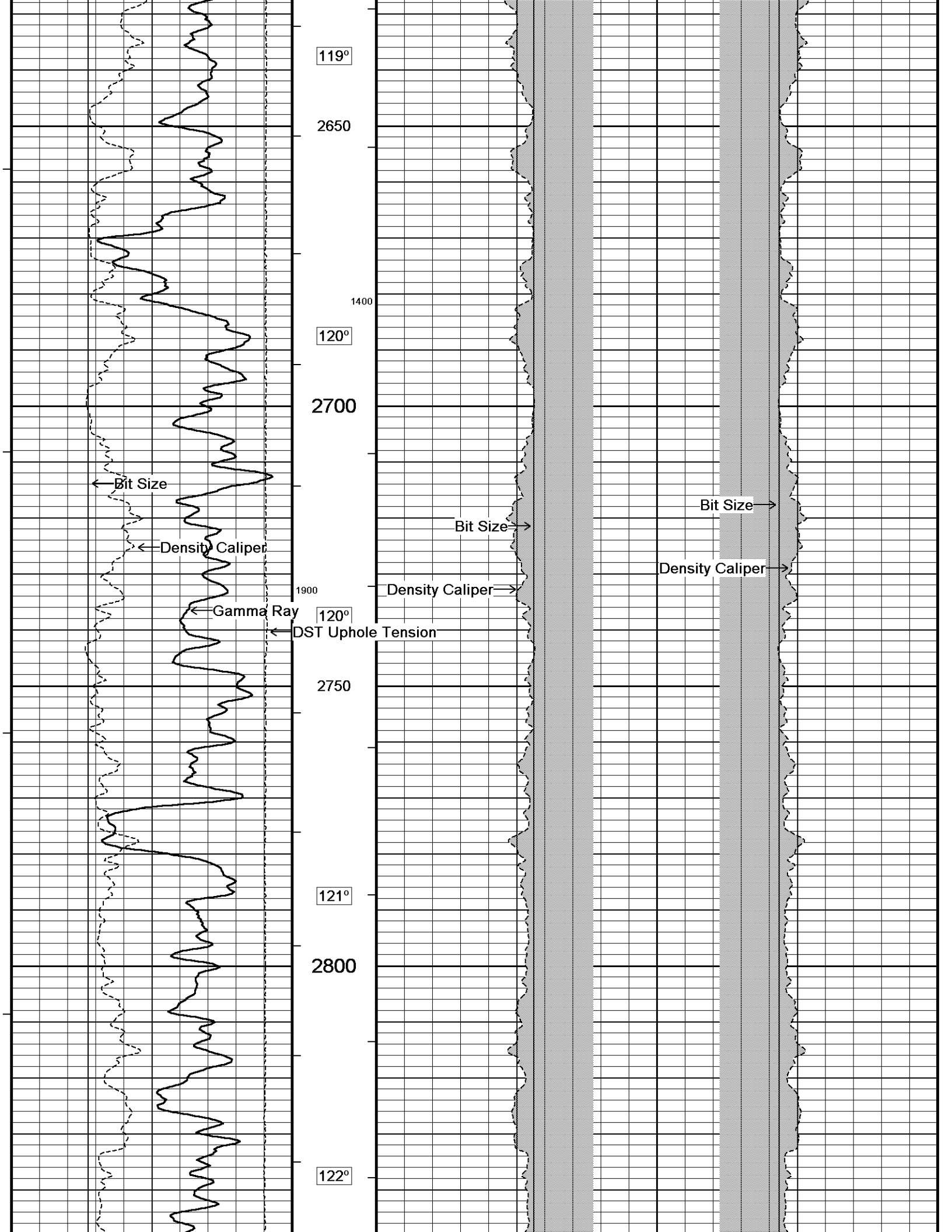


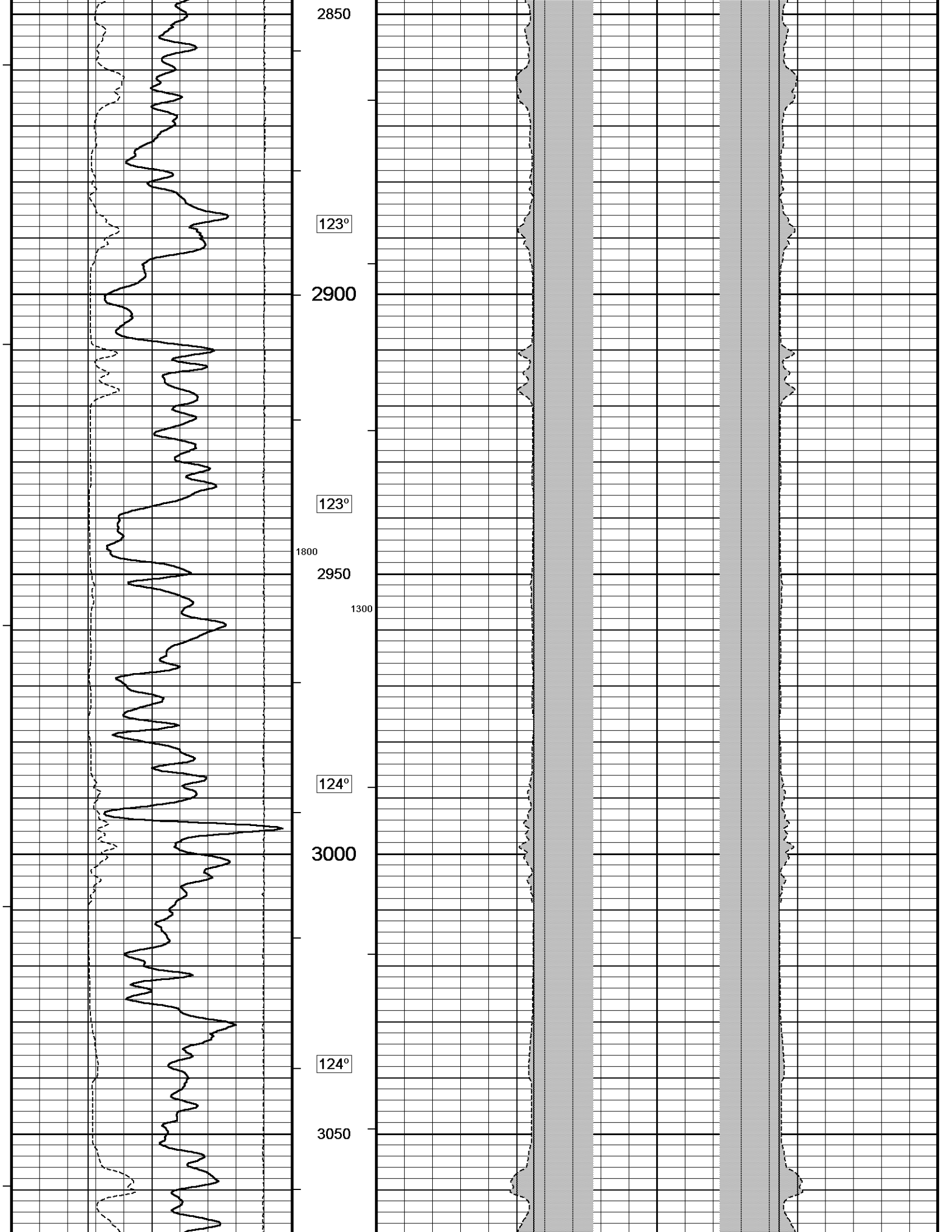


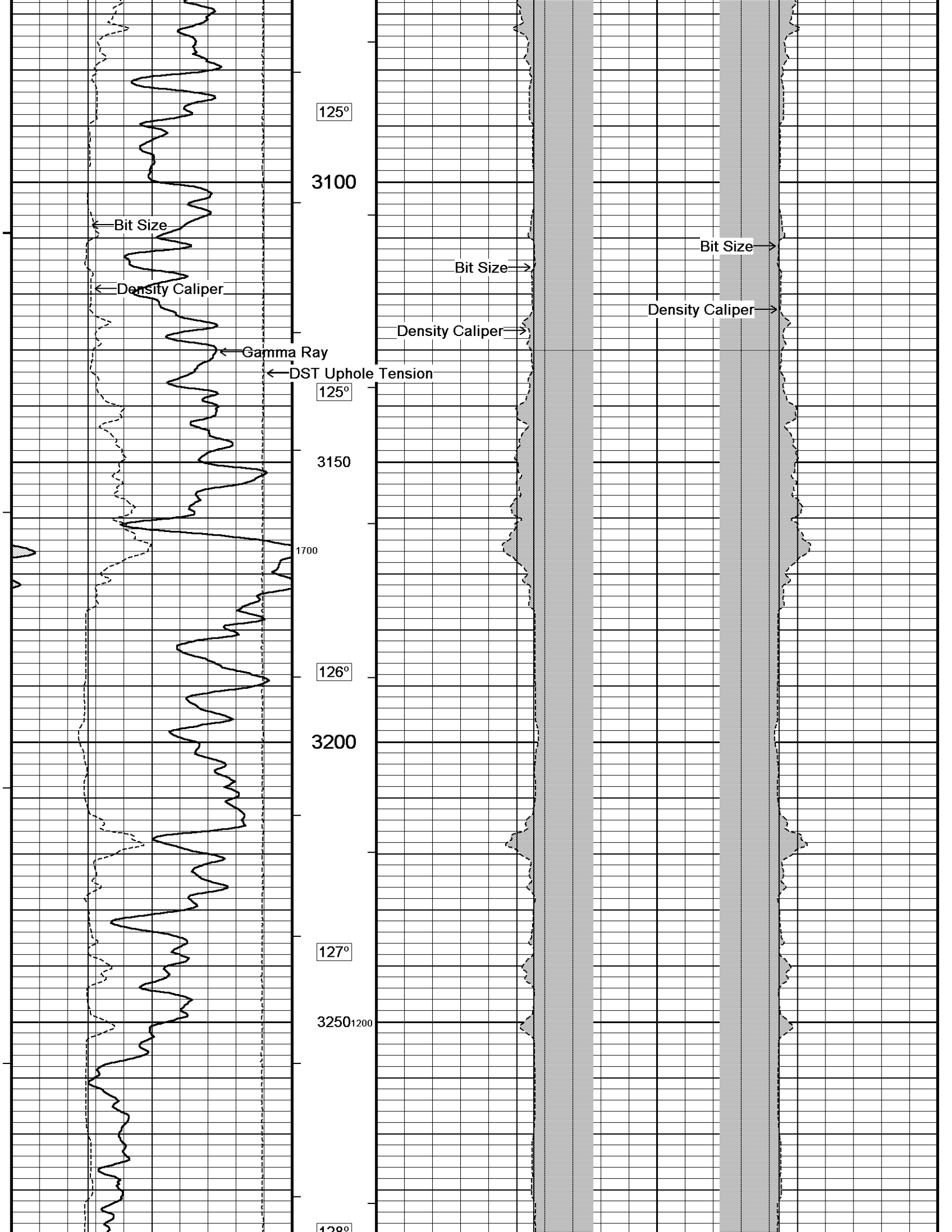


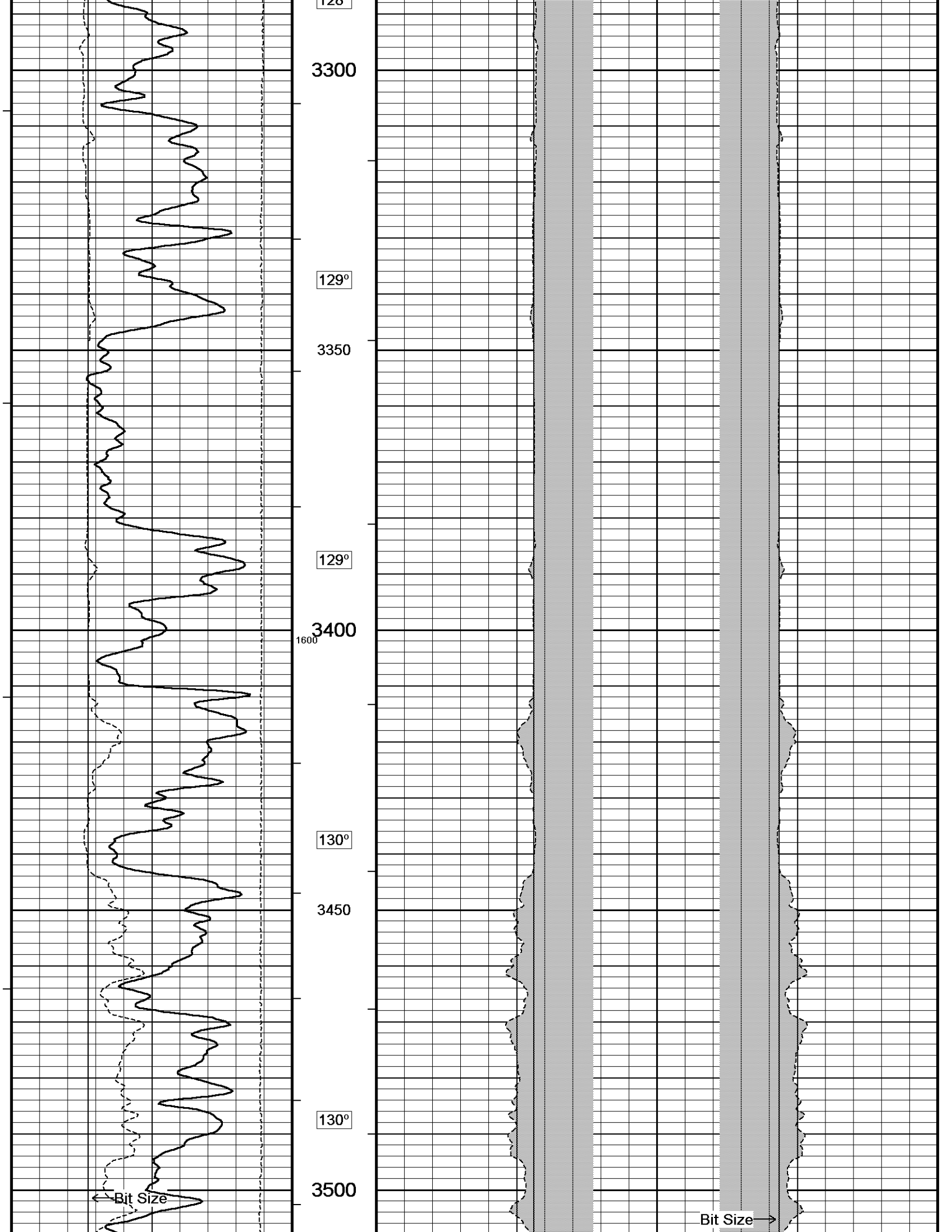


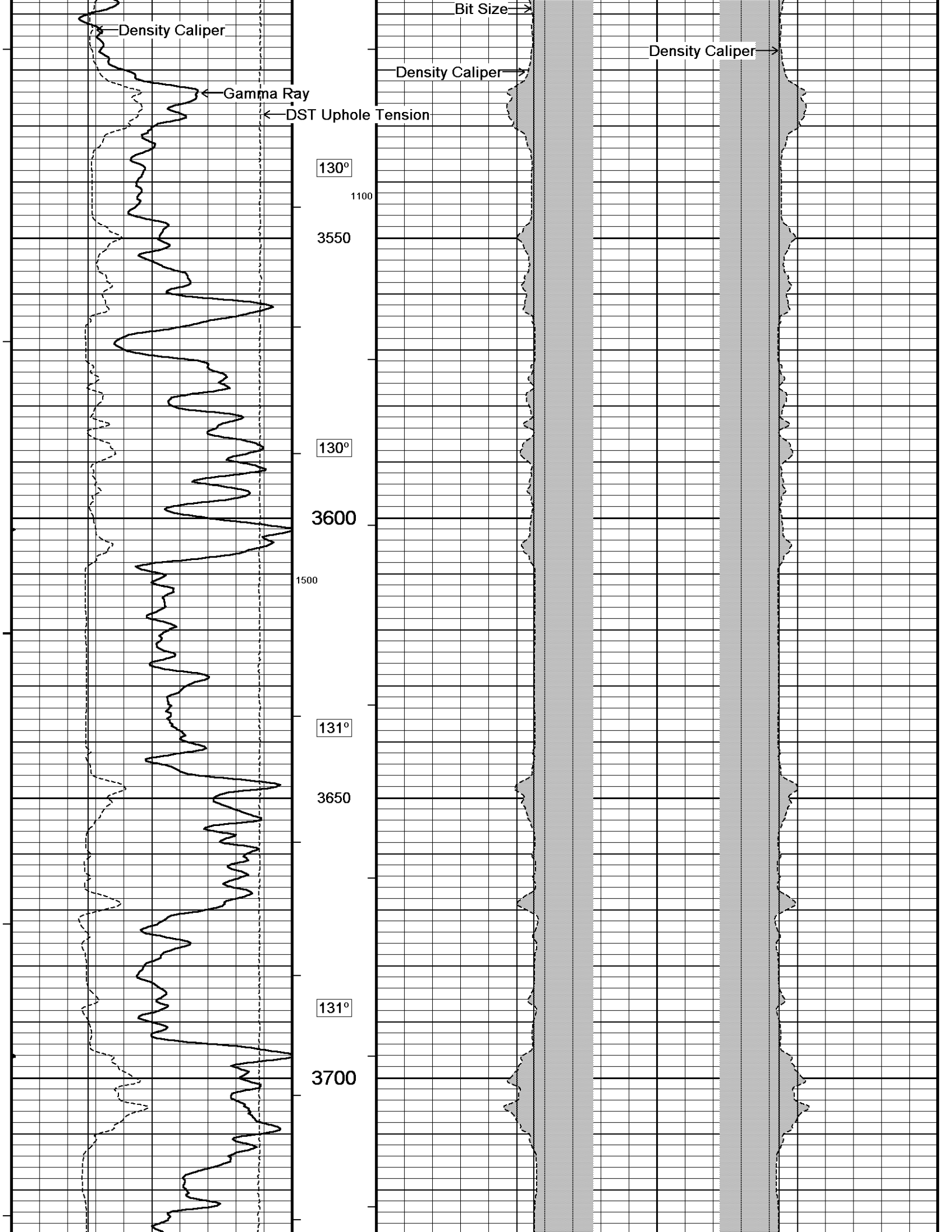


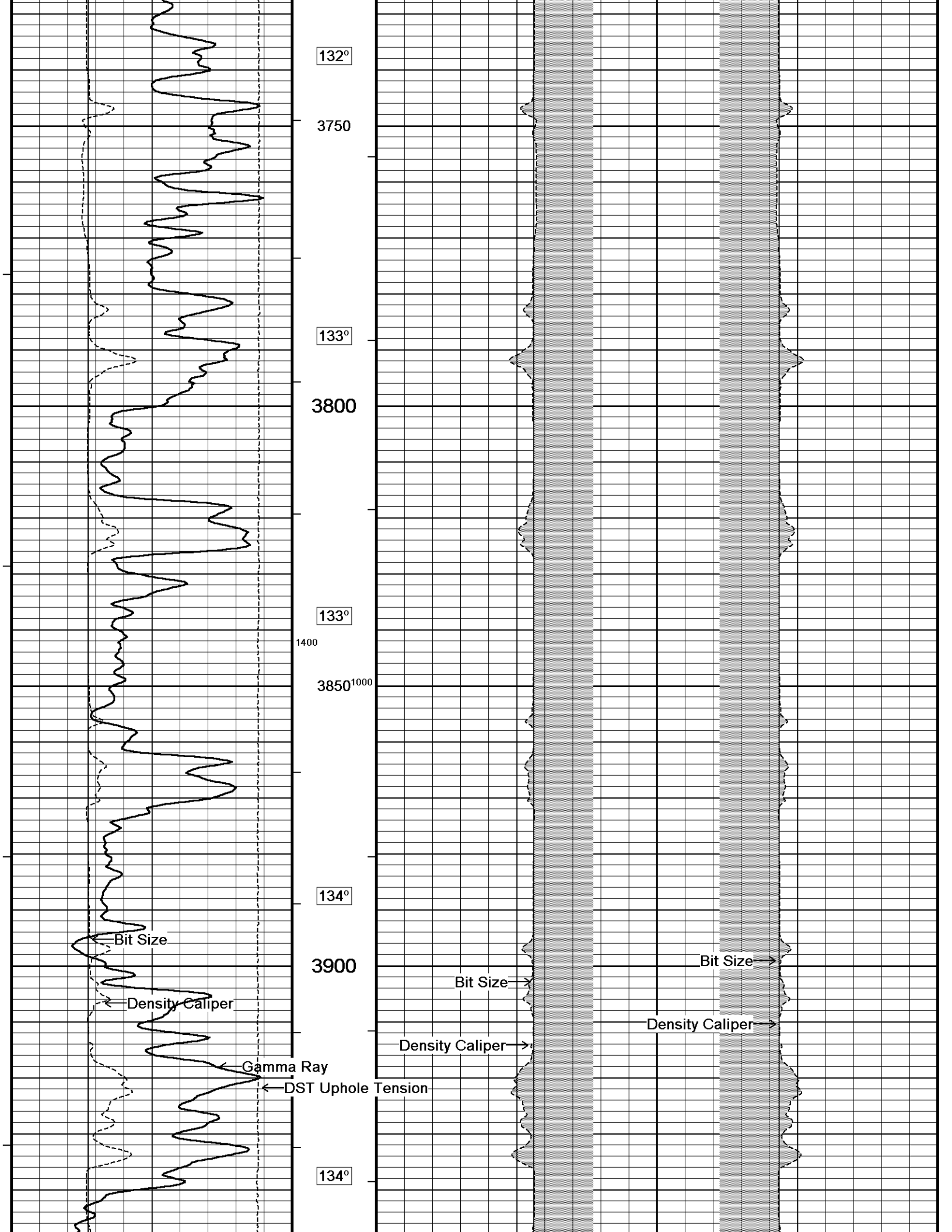


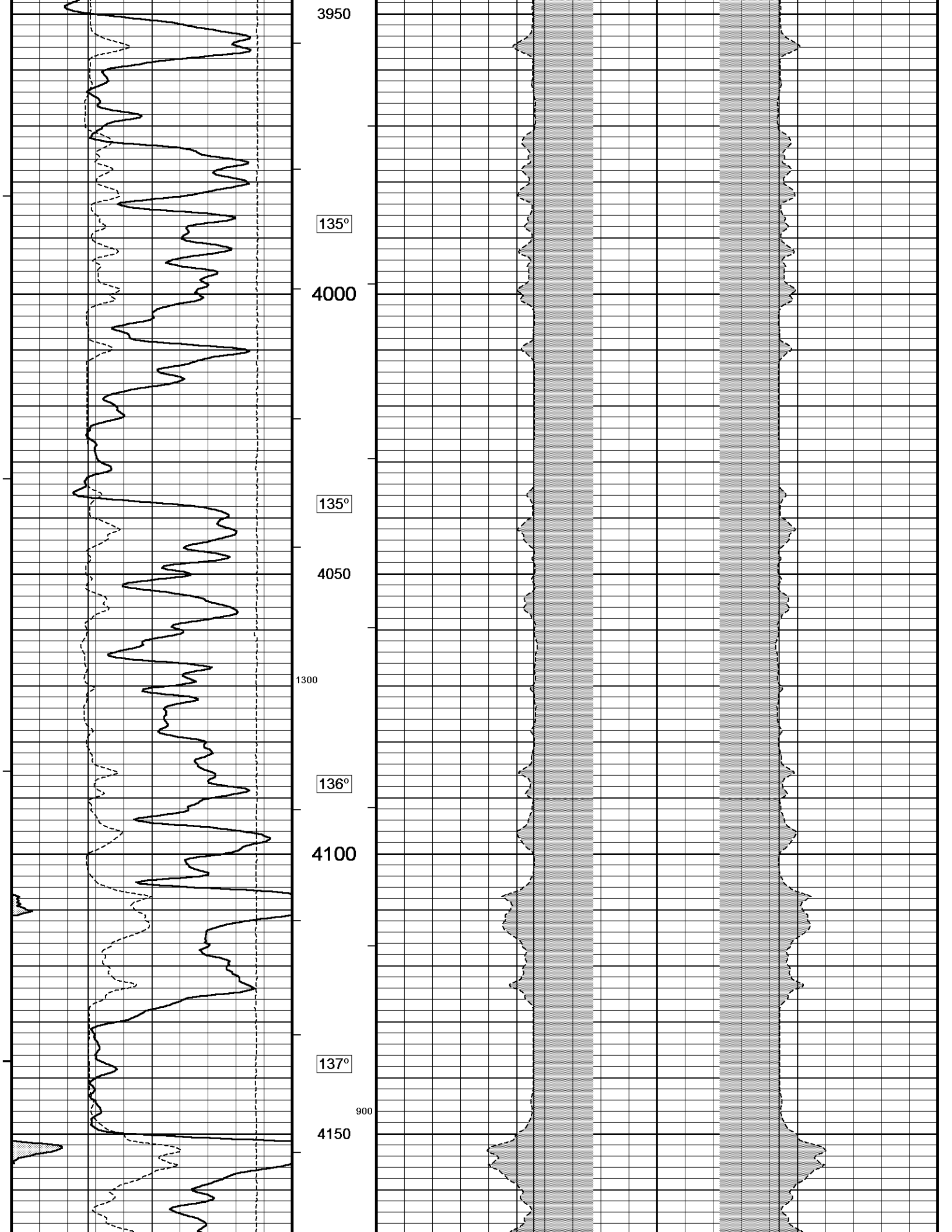


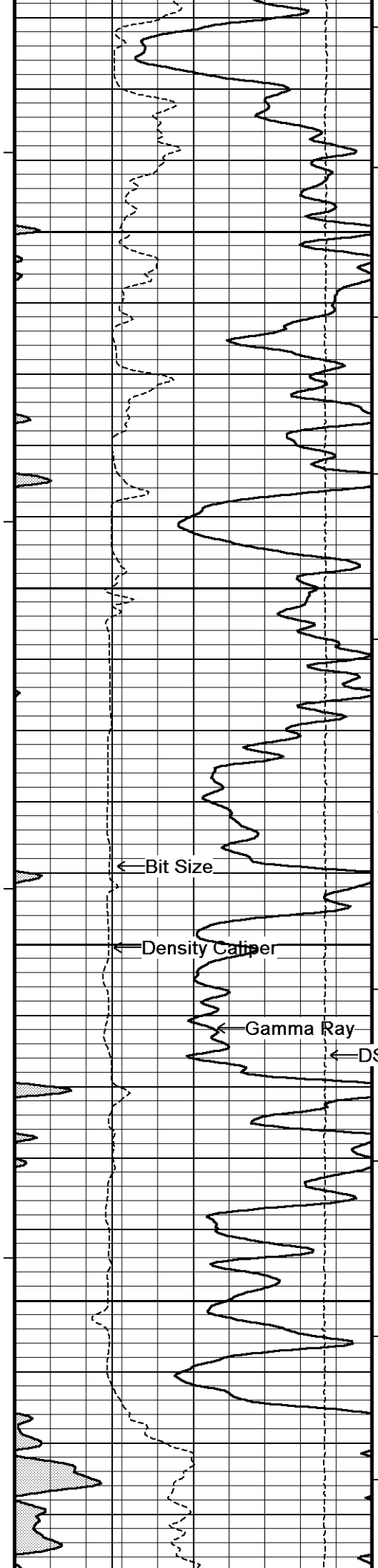




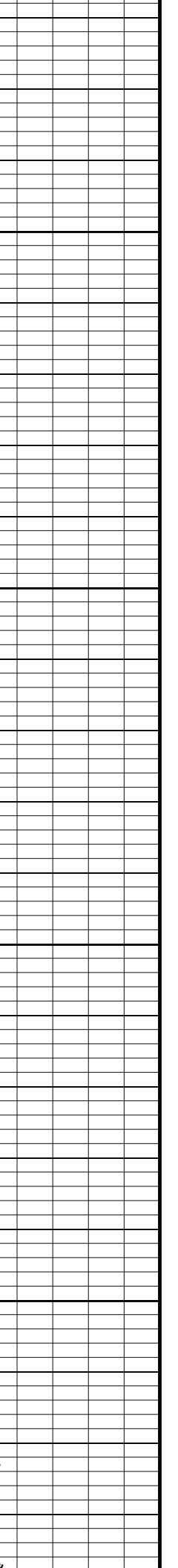
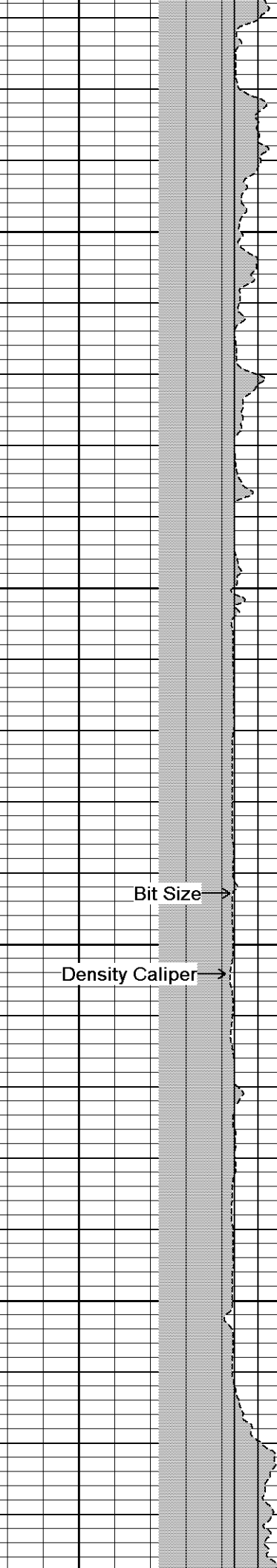
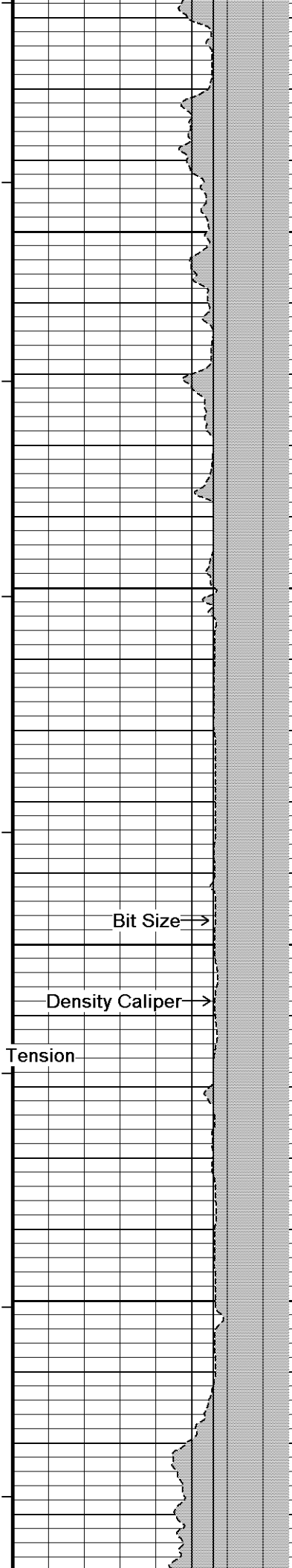


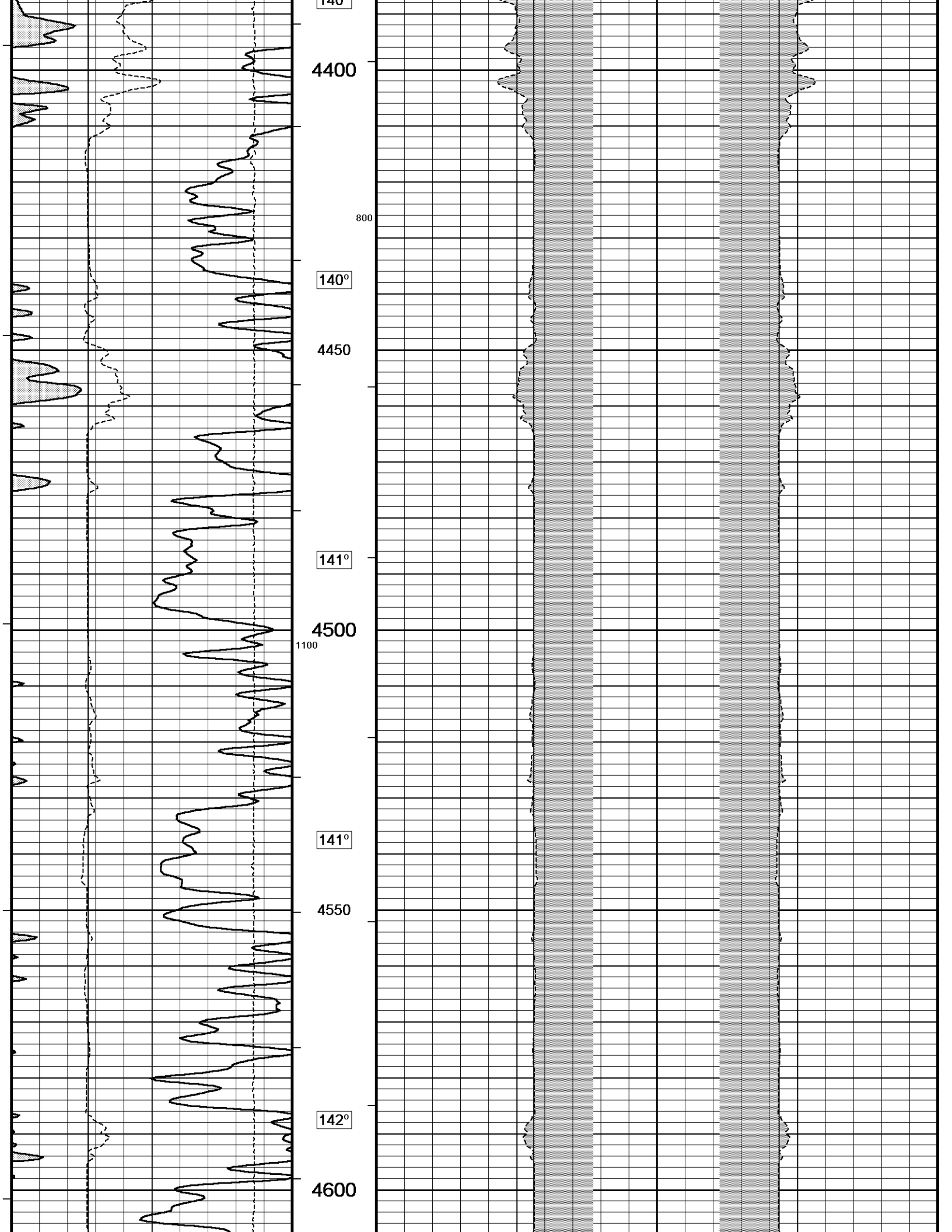


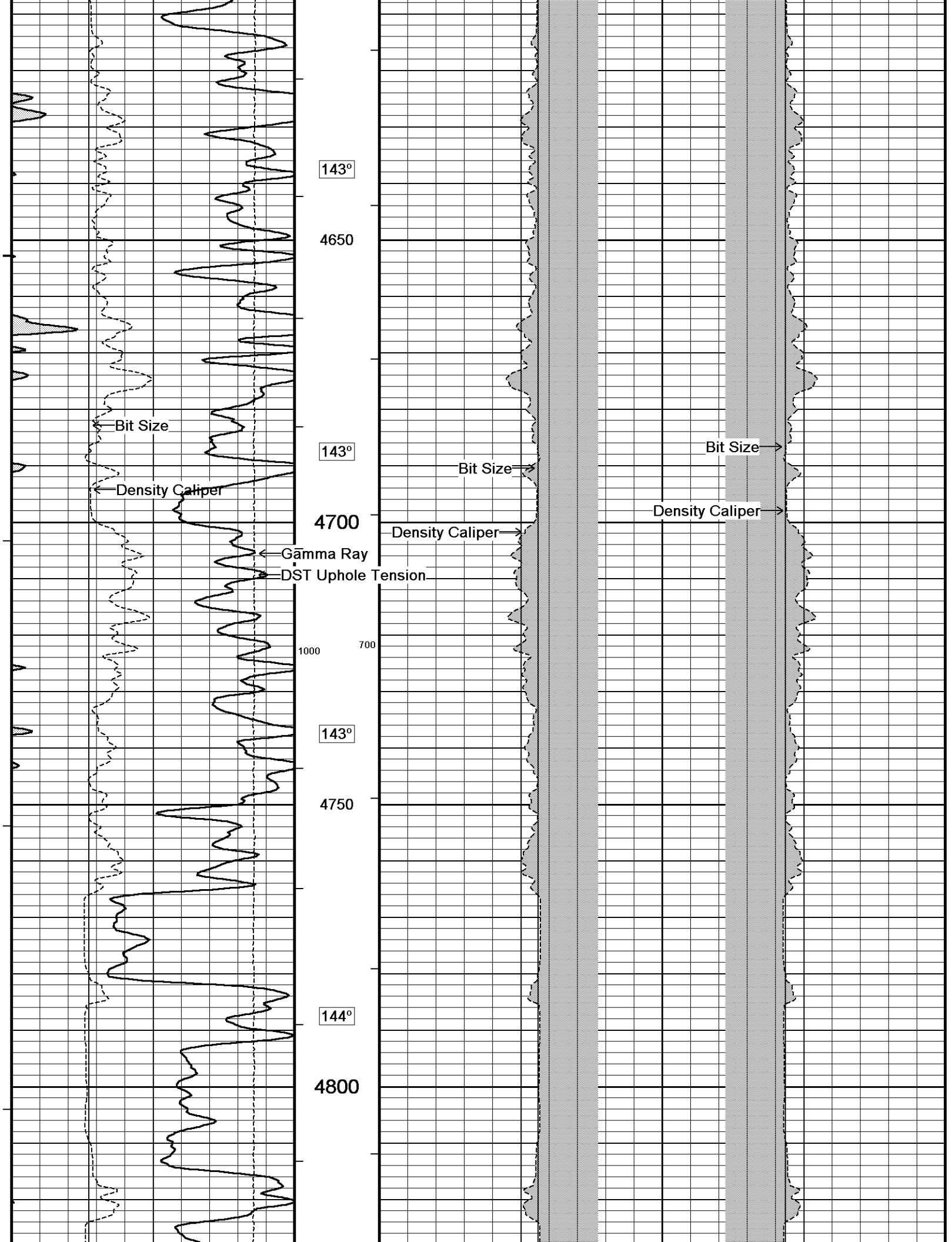


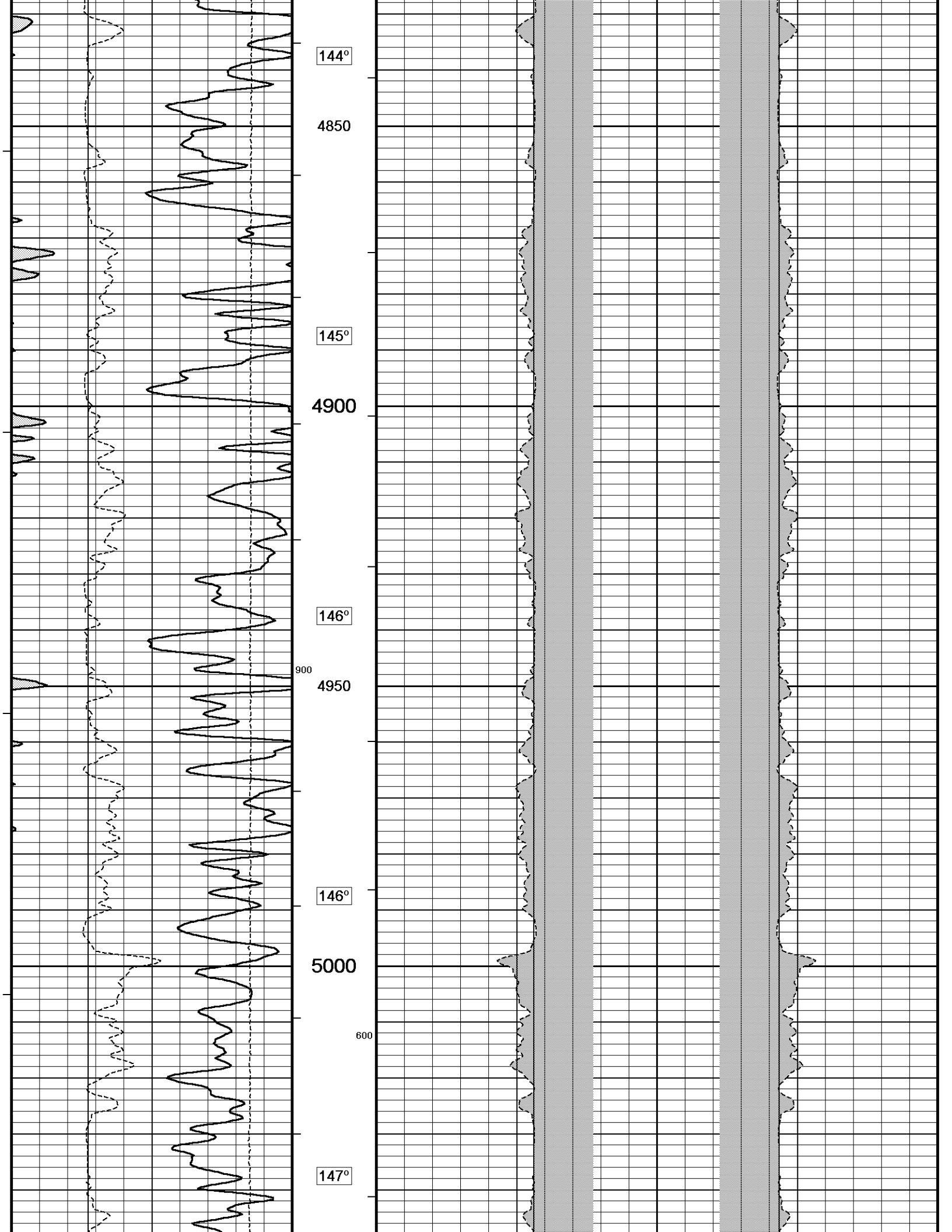


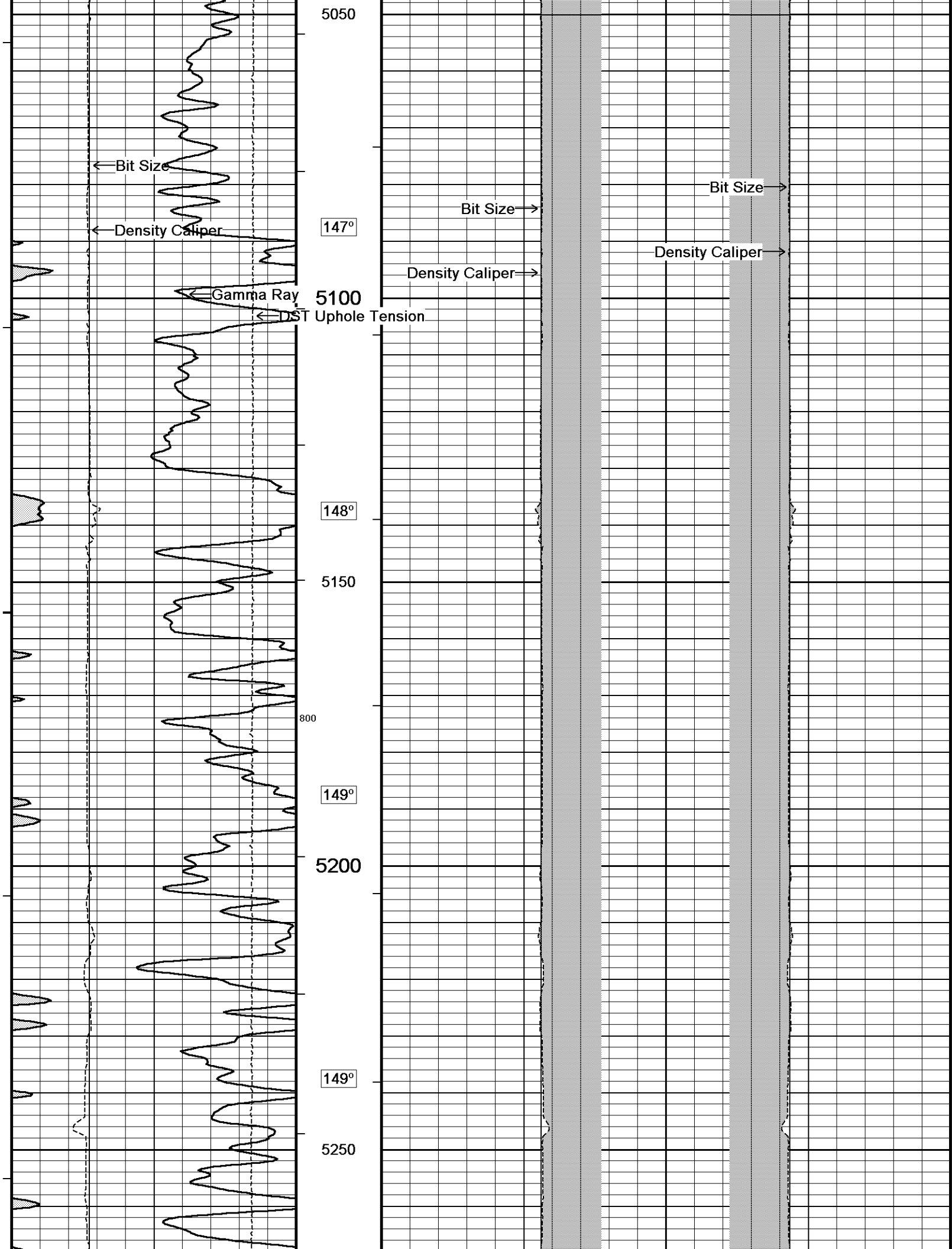
137°
4200
138°
4250
1200
138°
4300
139°
4350
140°

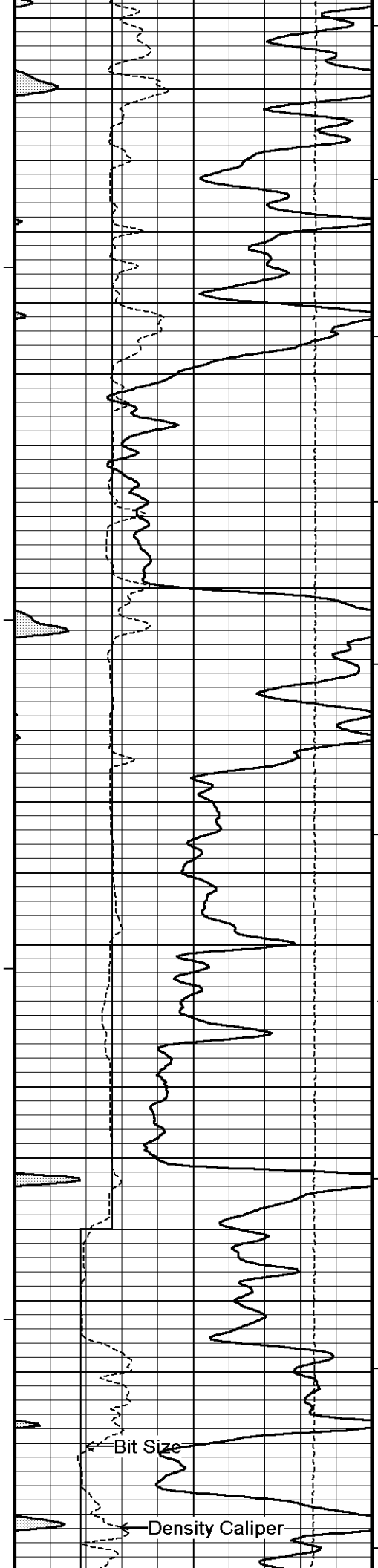




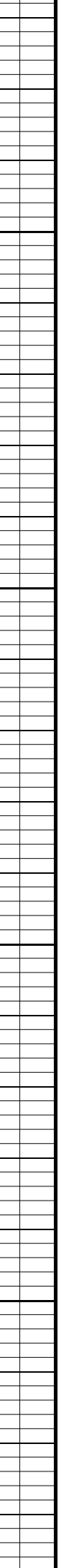
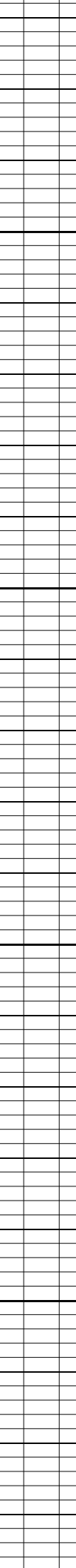
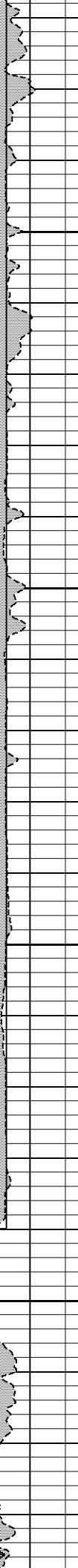
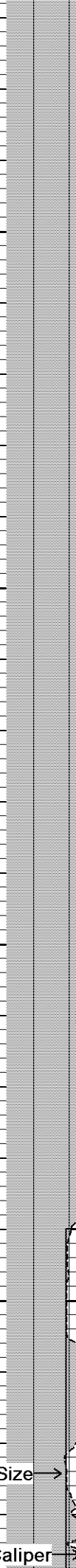
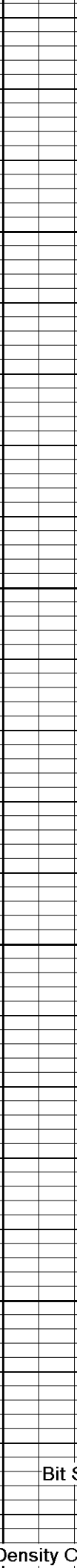
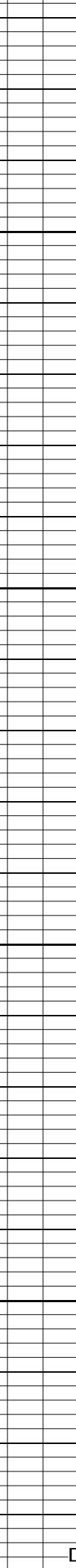
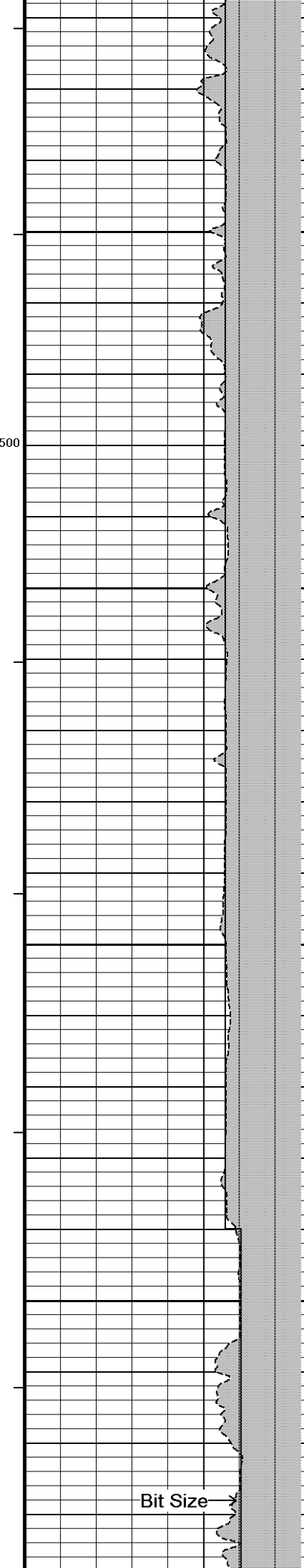


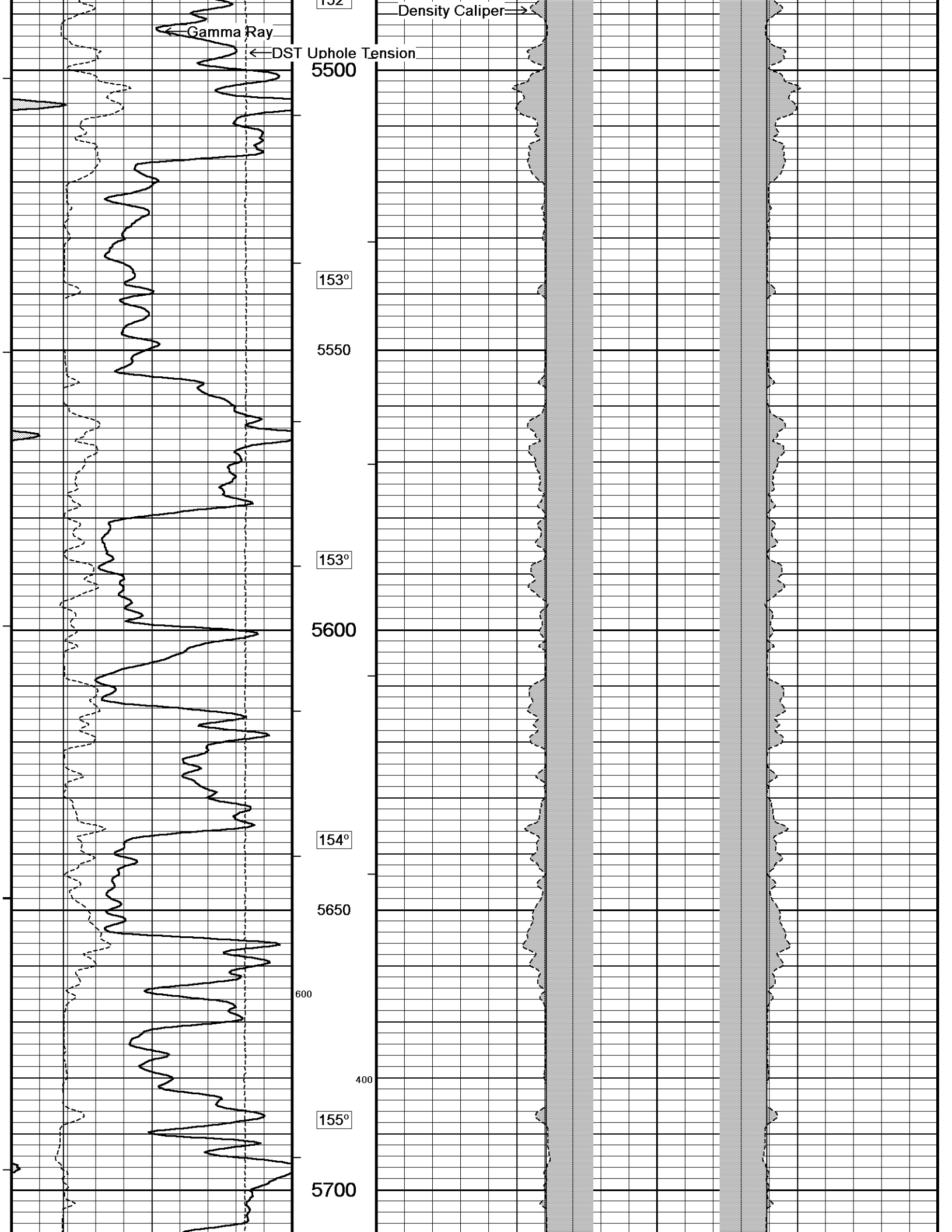


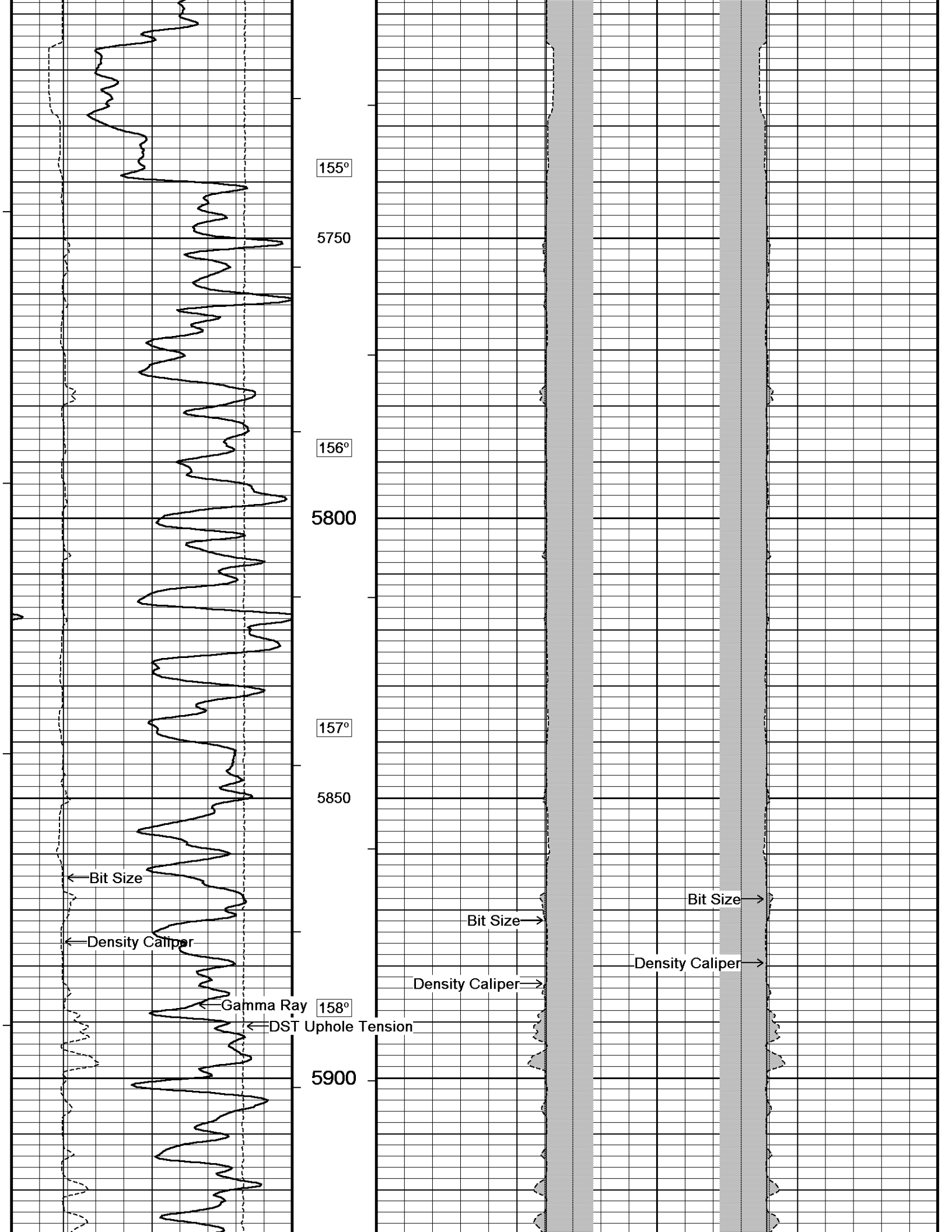


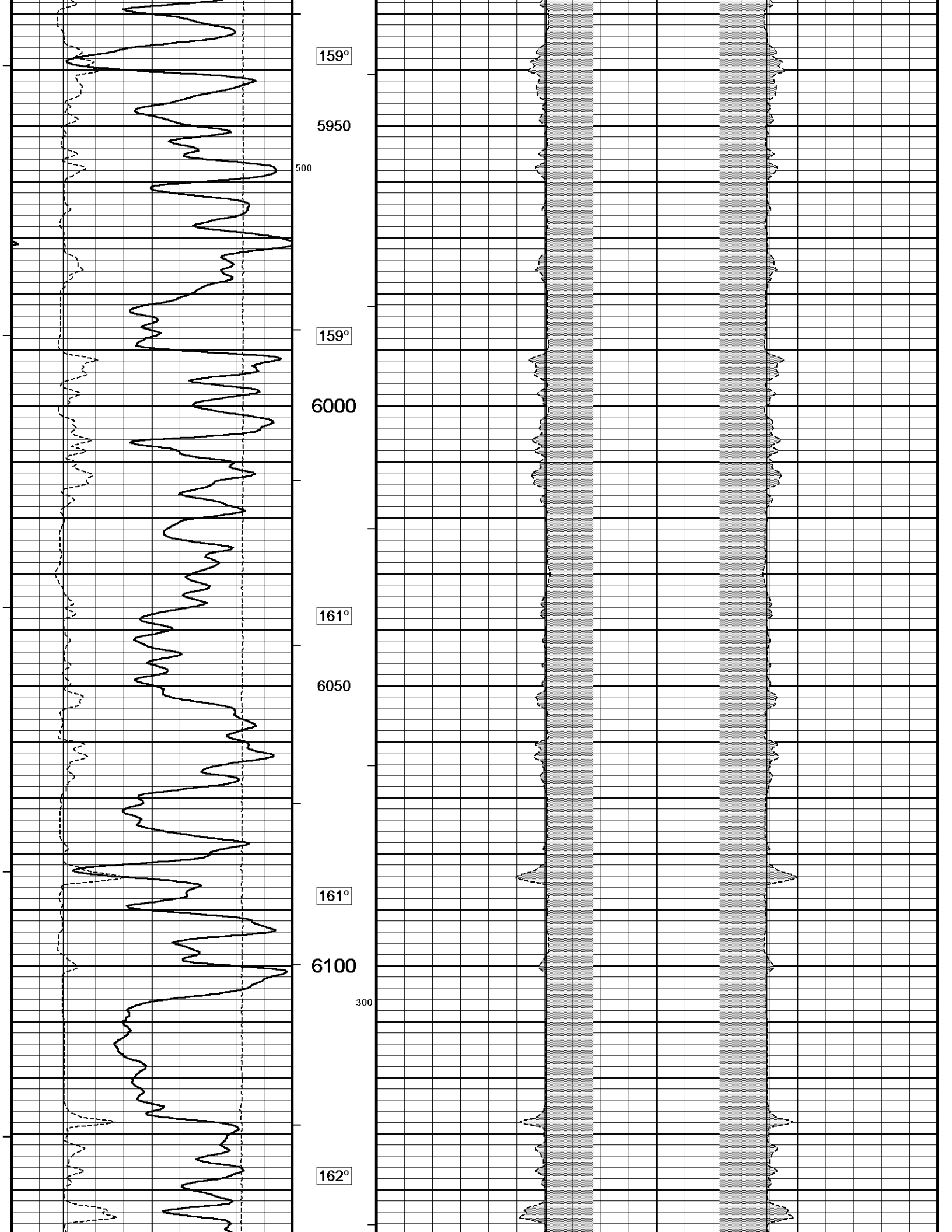


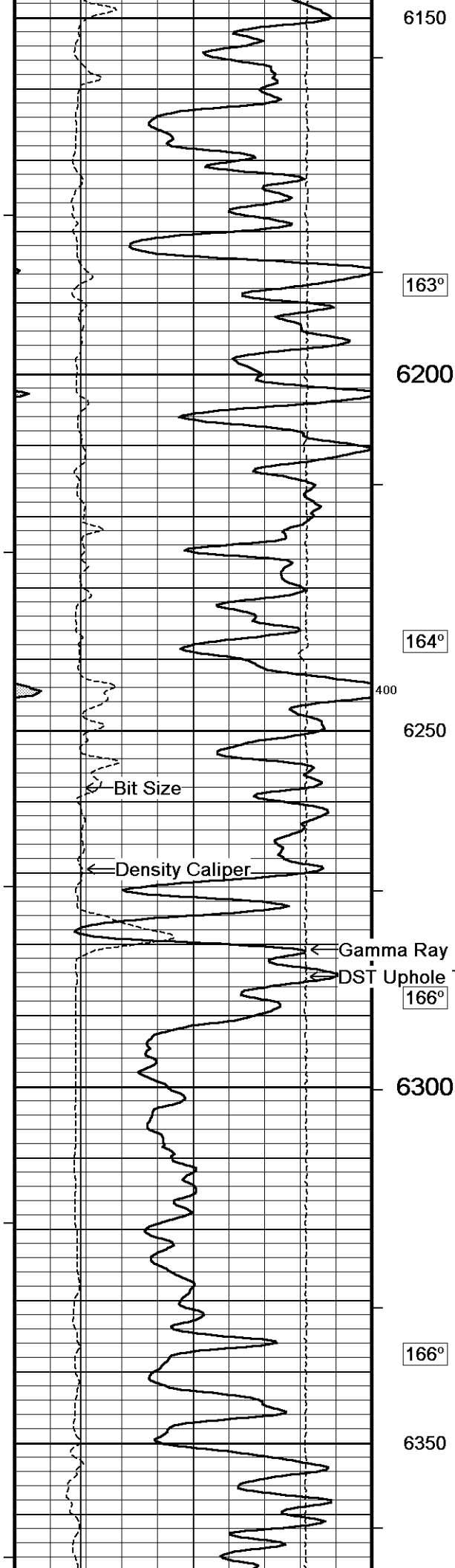
150°
5300
500
150°
5350
151°
5400
700
152°
5450
152°









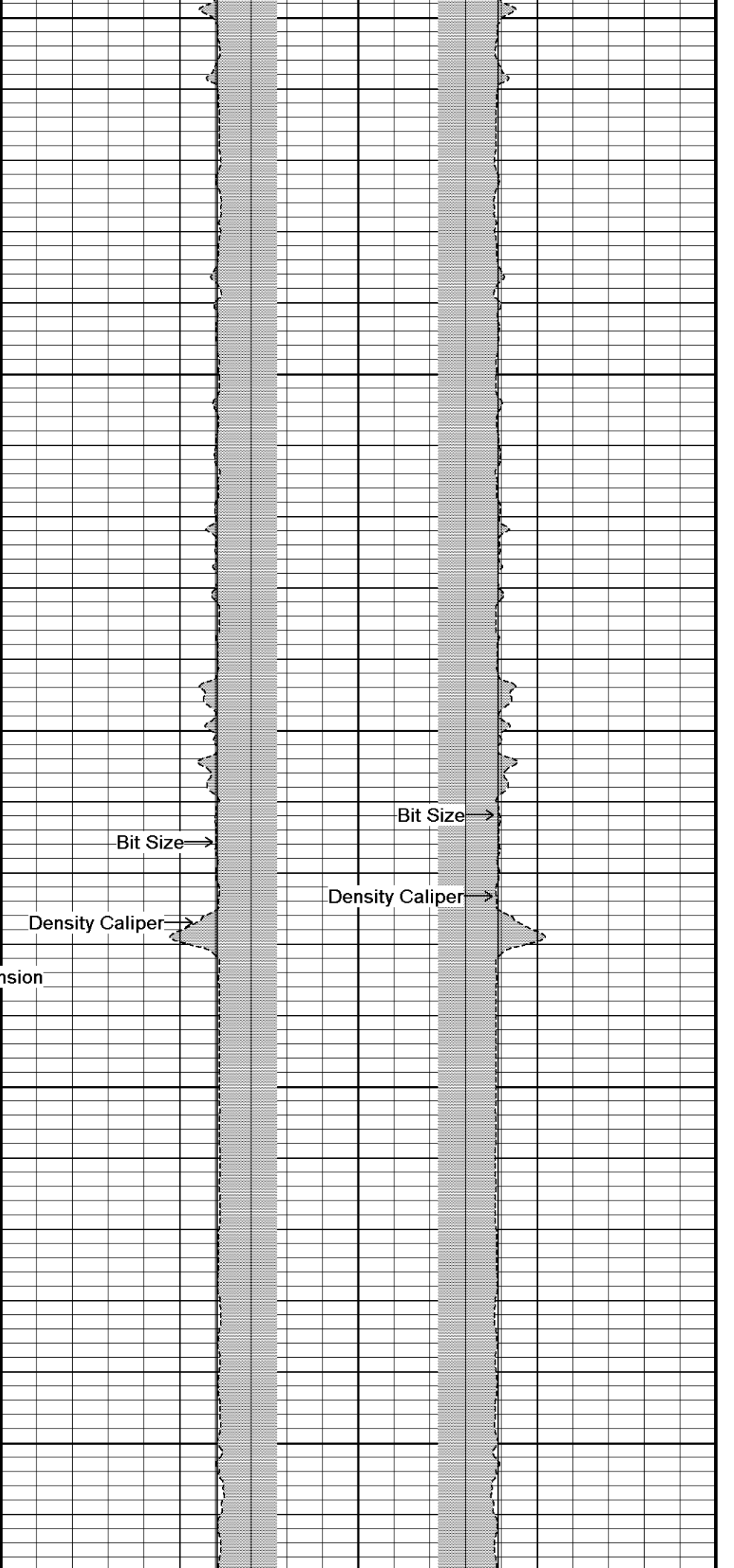


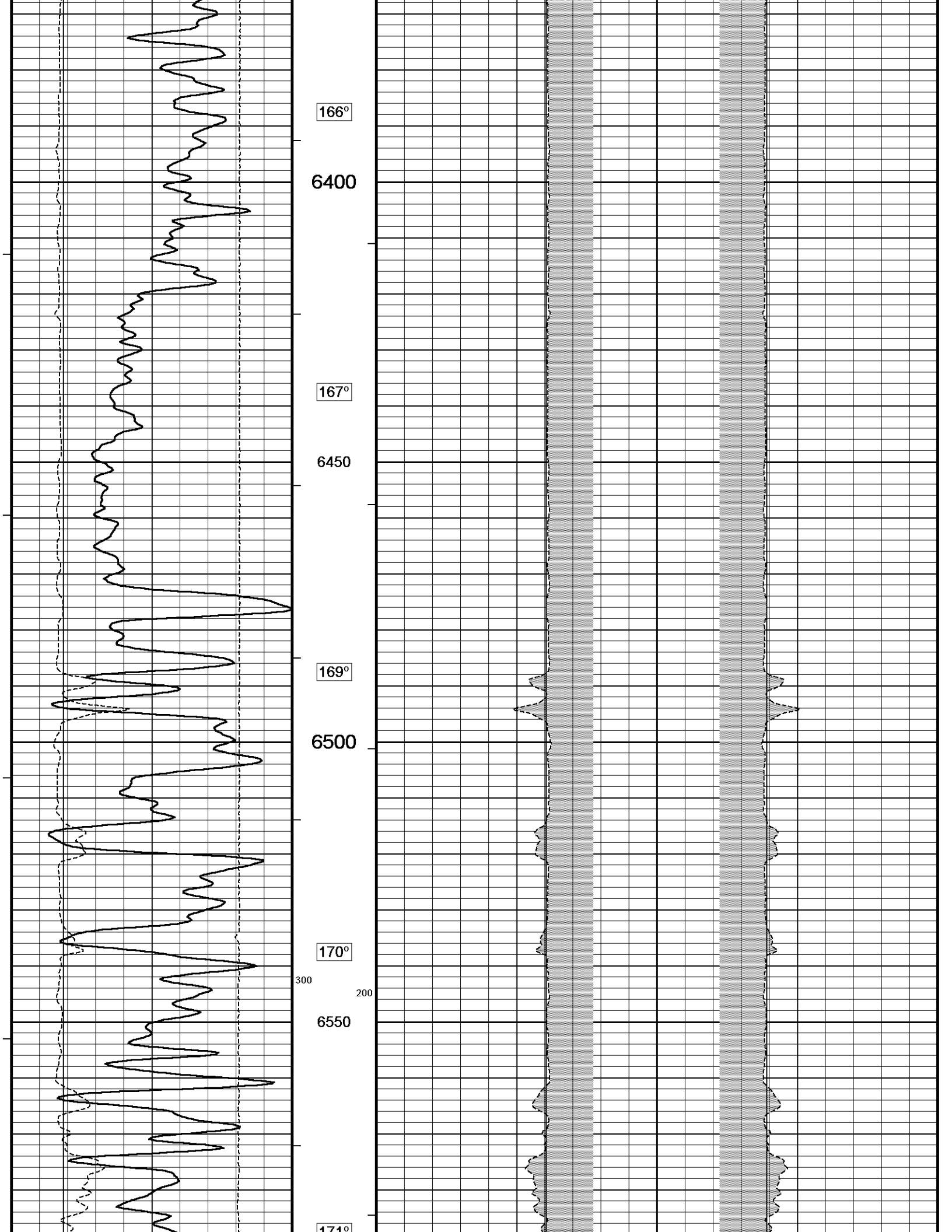
163°

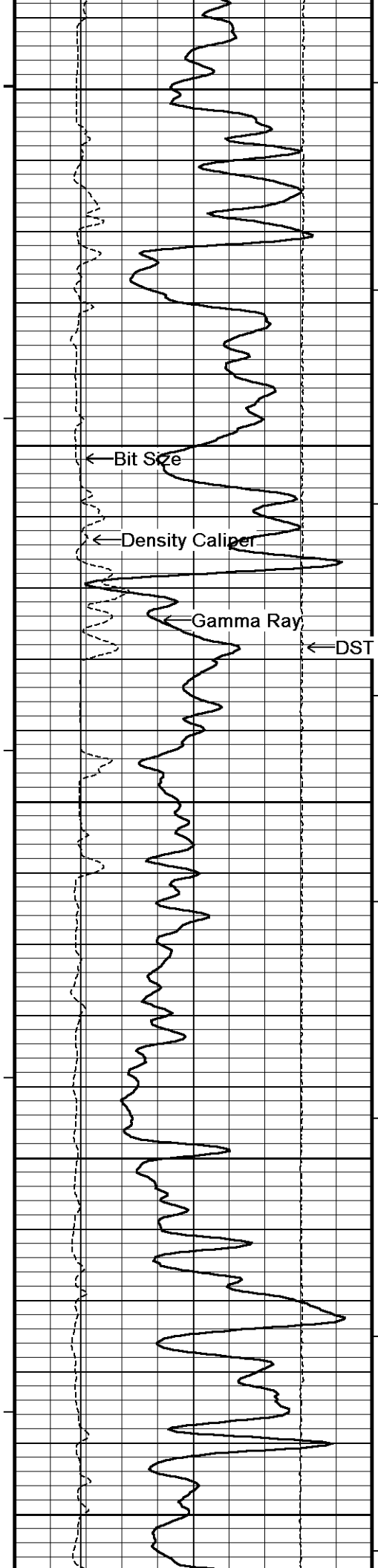
164°

166°

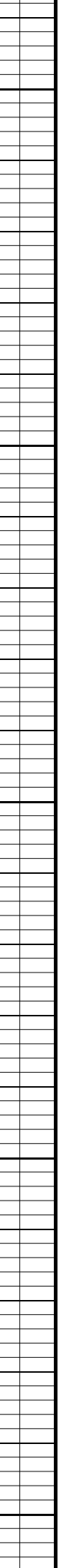
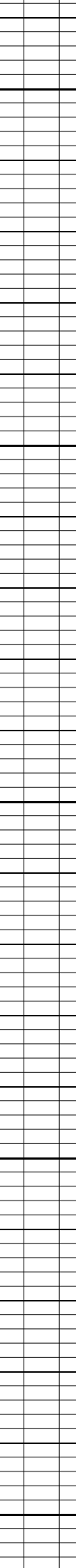
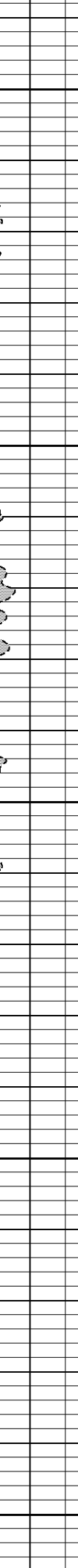
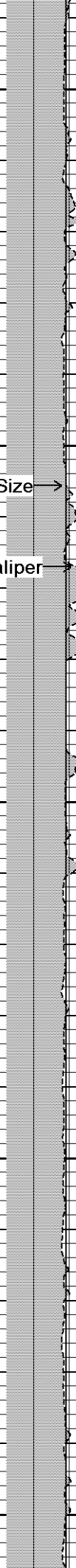
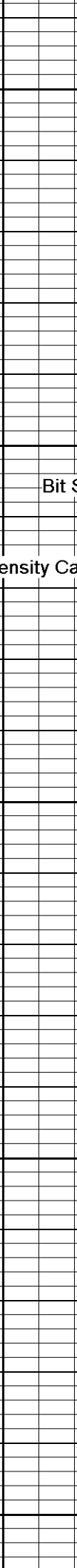
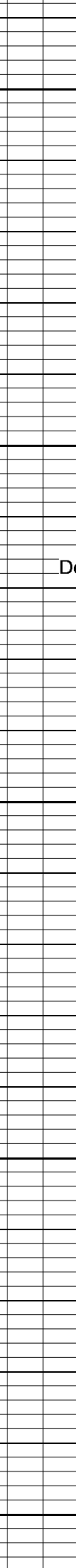
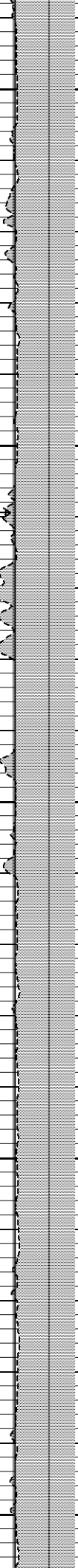
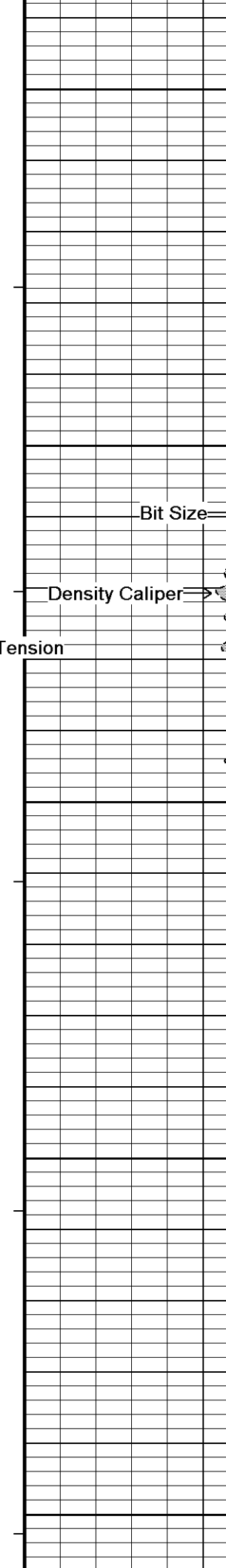
166°

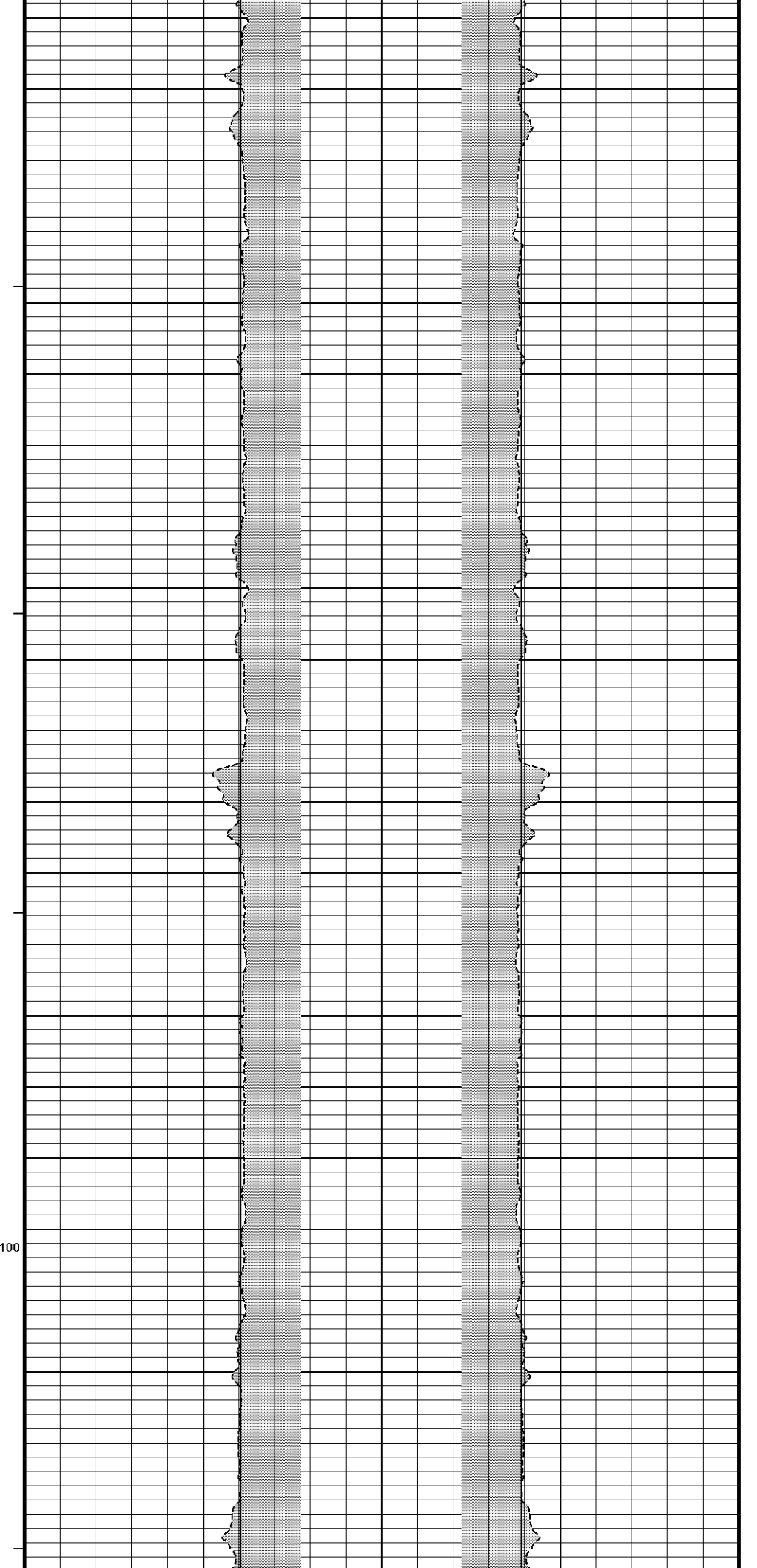
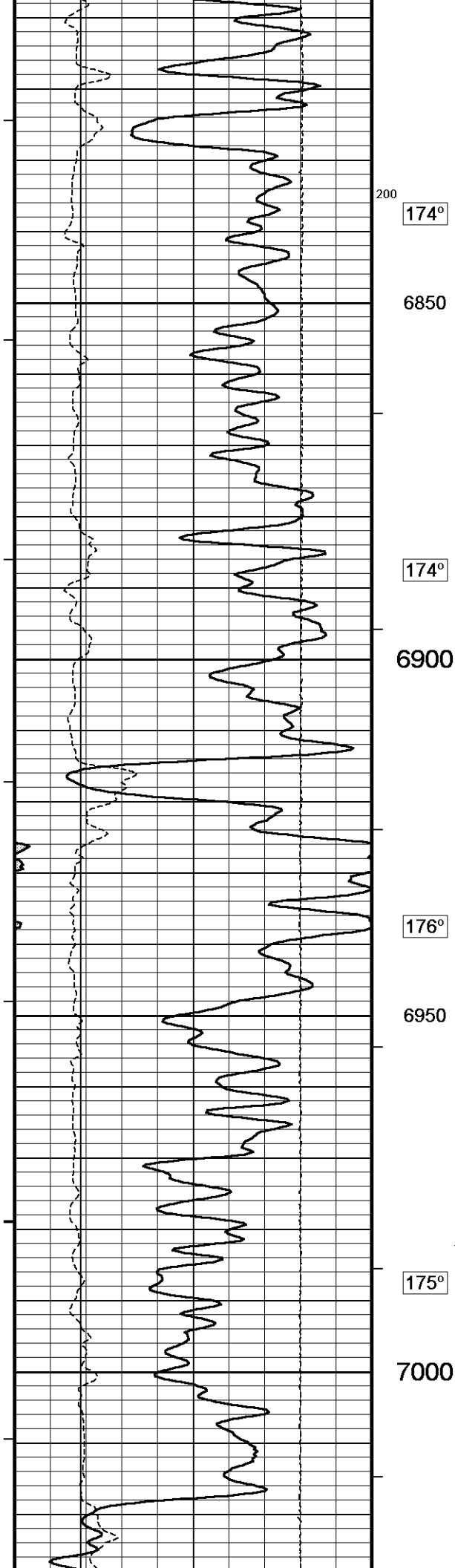


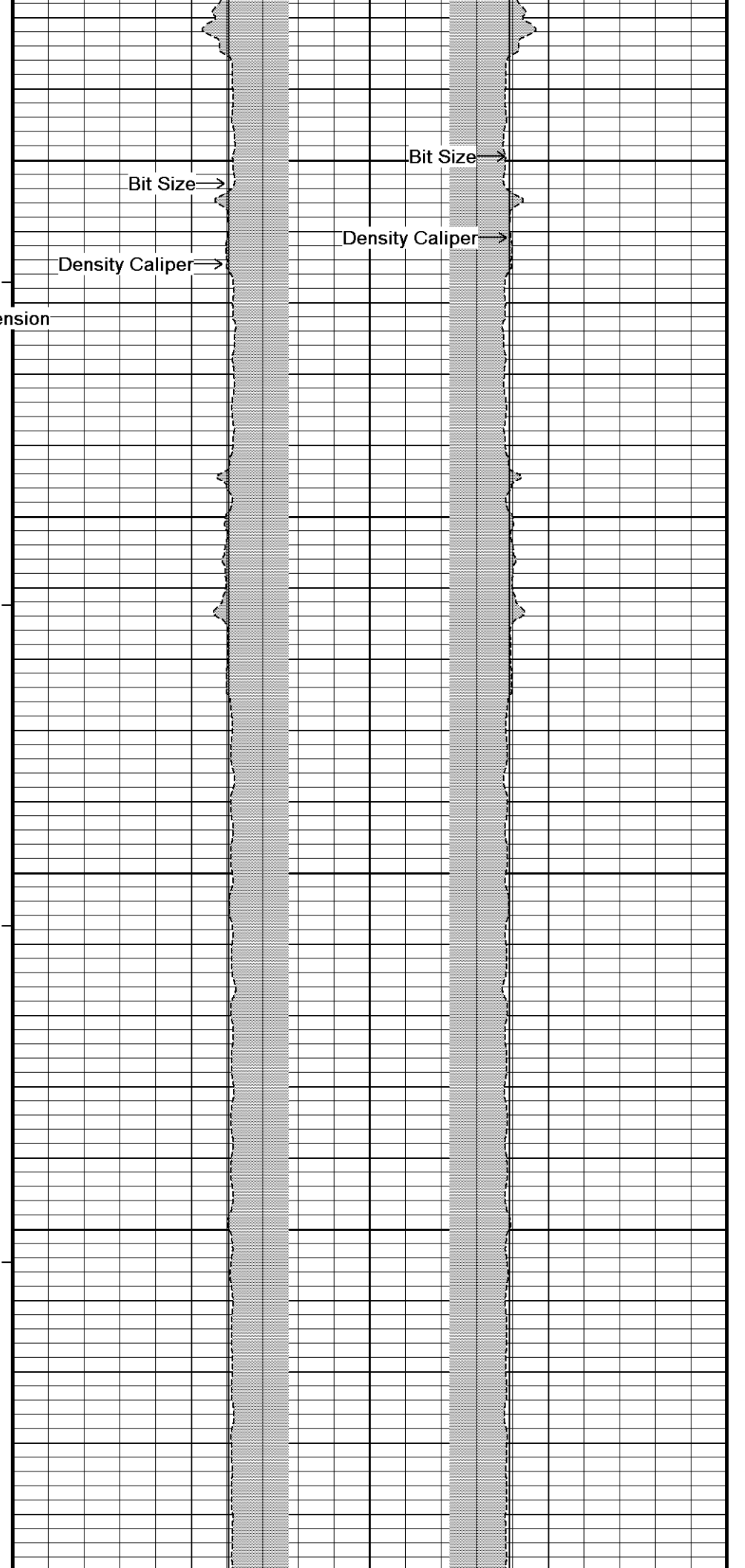
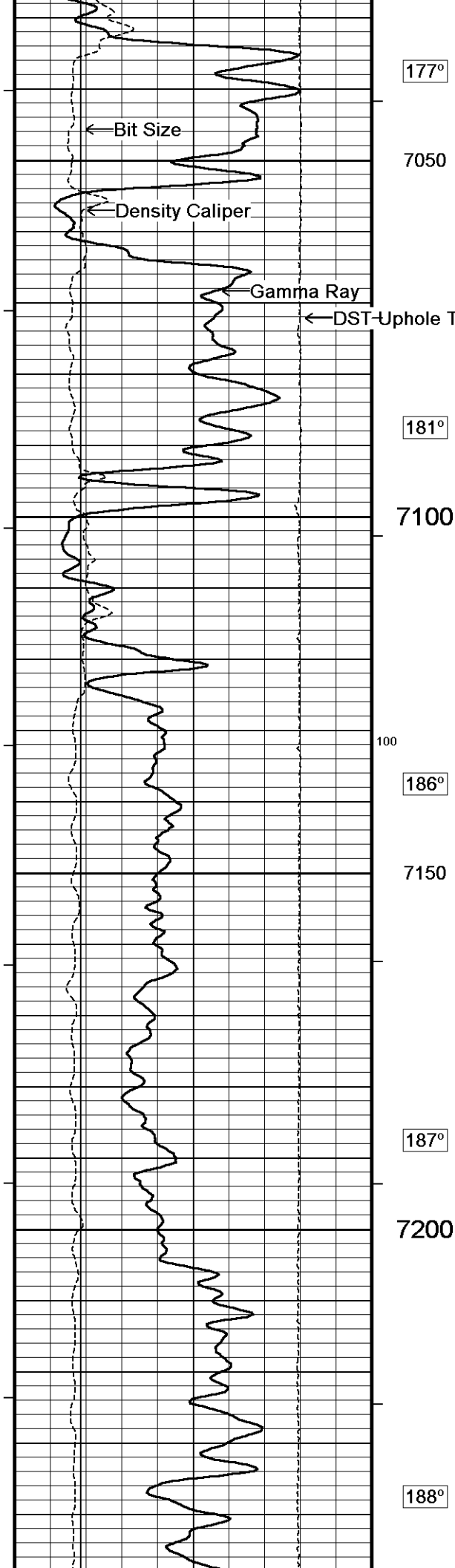


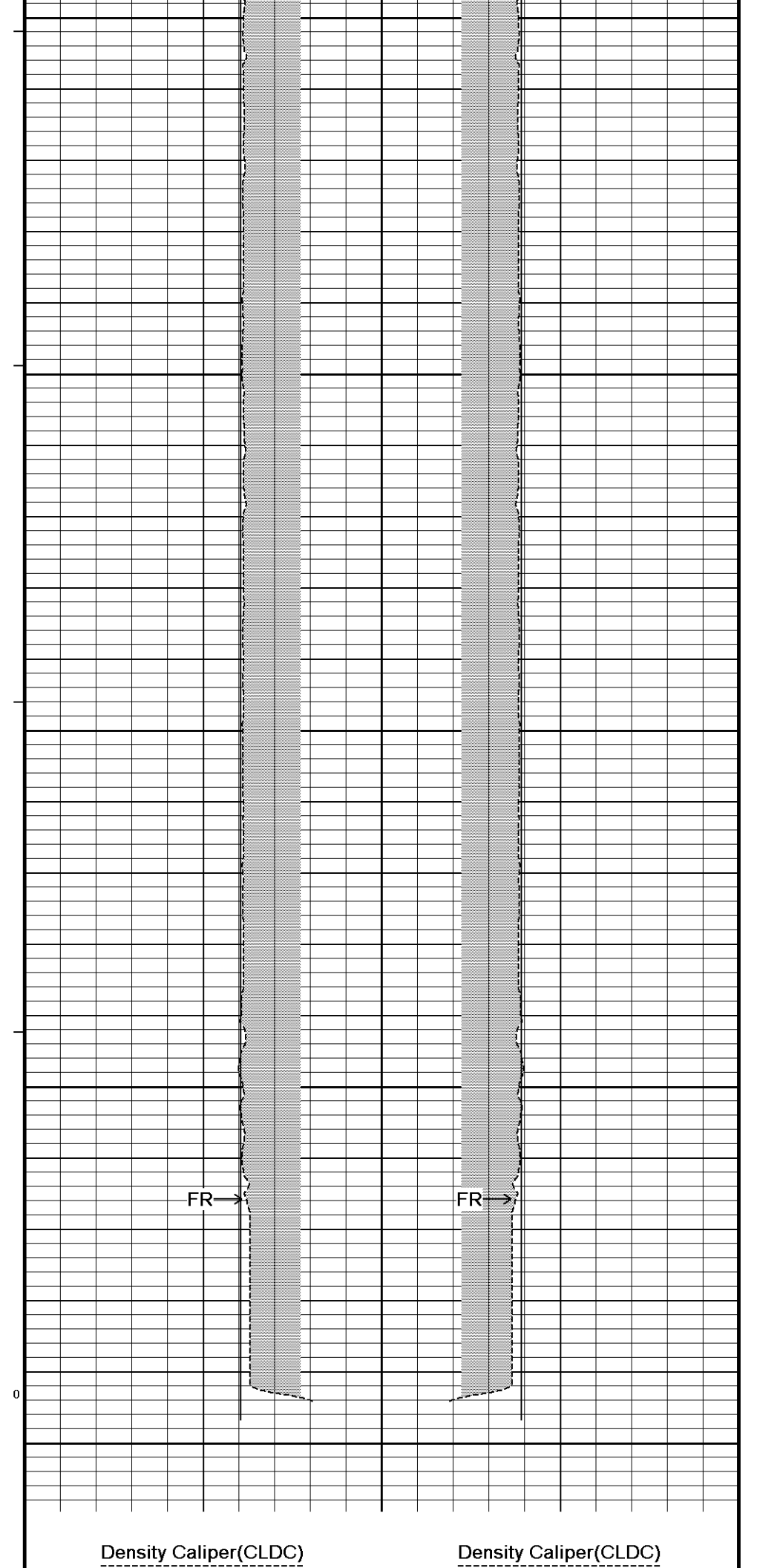
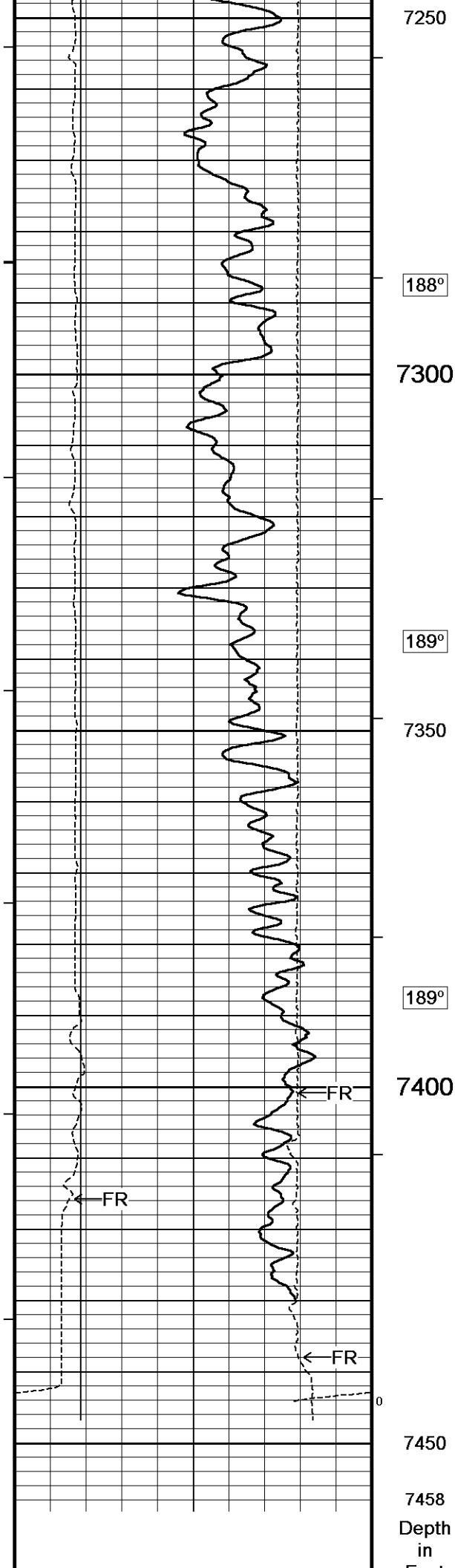


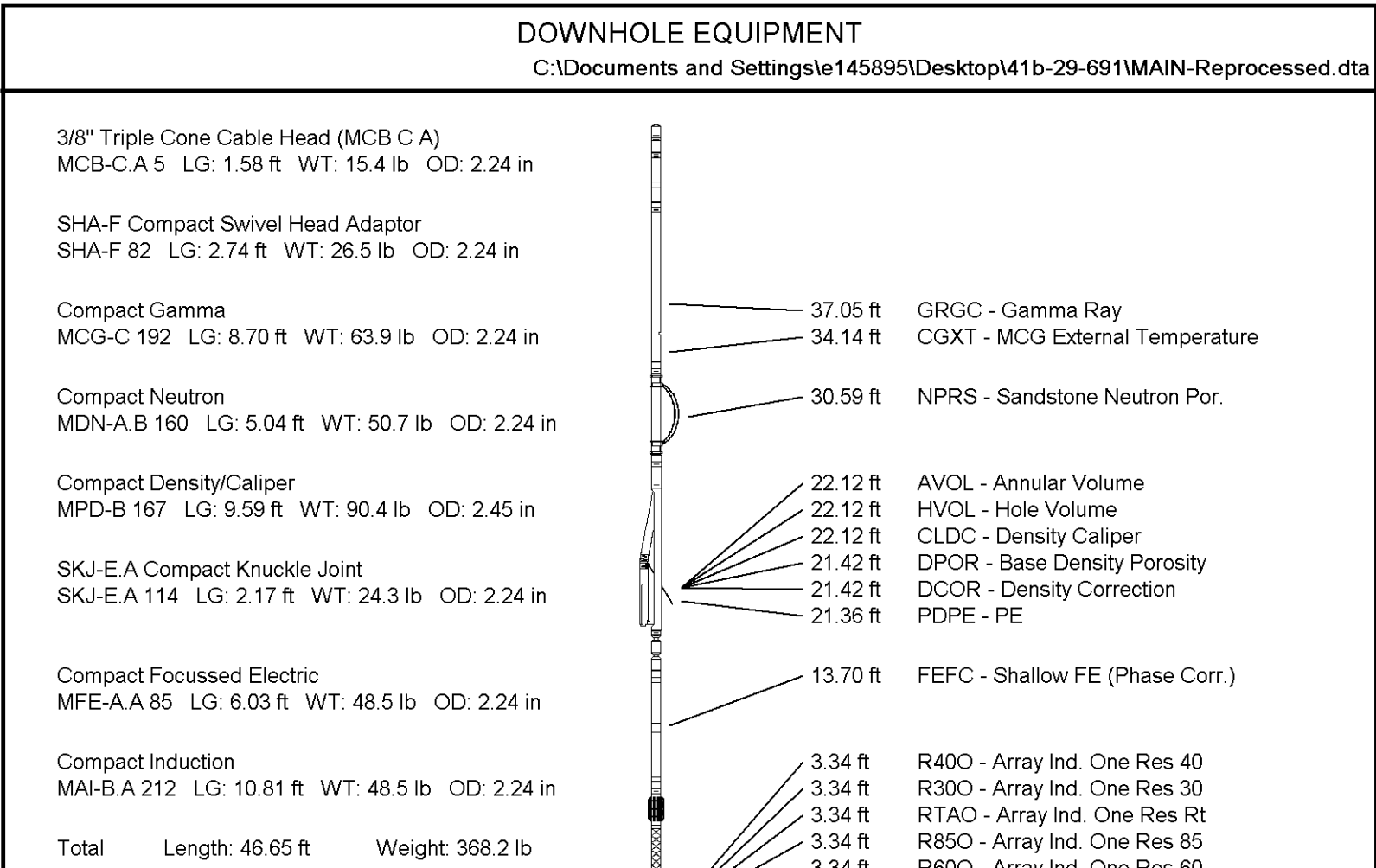
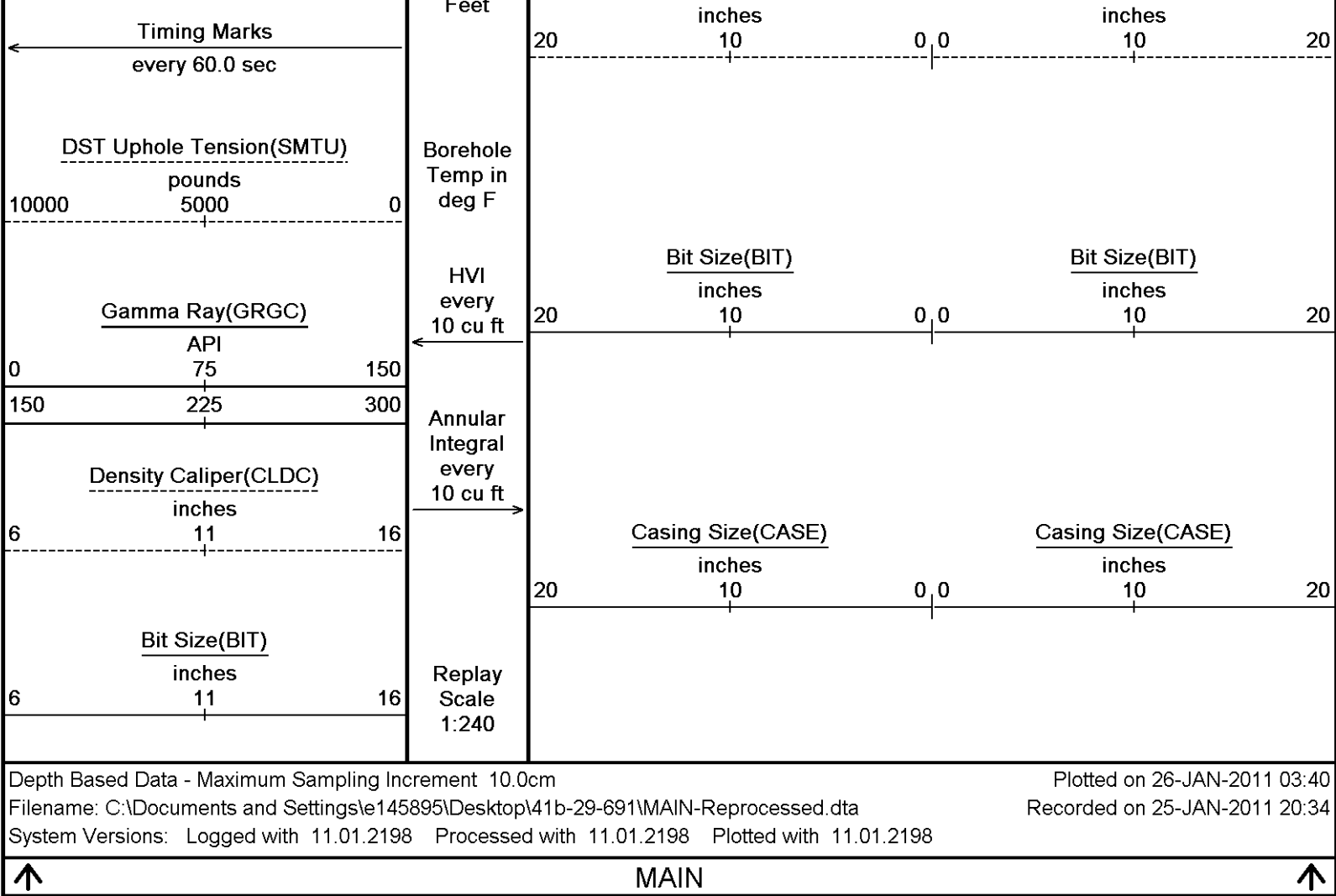
171°
6600
172°
6650
174°
6700
174°
6750
174°
6800











5.34 ft R600 - Array Ind. One Res 60
 0.23 ft SPCG - Spontaneous Potential
 Tool Zero (0.13ft from bottom)
 -0.13 ft SMTU - DST Uphole Tension
 All measurements relative to tool zero.

COMPANY BILL BARRETT CORPORATION
 WELL GGU FEDERAL 41B-29-691
 FIELD GIBSON GULCH
 PROVINCE/COUNTY GARFIELD
 COUNTRY/STATE U.S.A. / COLORADO

Elevation Kelly Bushing	6127.00	feet	First Reading	7416.00	
Elevation Drill Floor	6126.00	feet	Depth Driller	7435.00	feet
Elevation Ground Level	6104.00	feet	Depth Logger	7438.00	feet



Weatherford®

HOLE VOLUME CALIPER LOG

