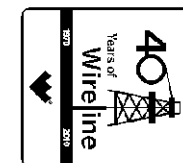




Weatherford

HOLE VOLUME CALIPER LOG



COMPANY	BILL BARRETT CORPORATION		
WELL	KAUFMAN 22C-25-692		
FIELD	MAMM CREEK		
PROVINCE/COUNTY	GARFIELD		
COUNTRY/STATE	U.S.A. / COLORADO		
LOCATION	SHL: 2182' FSL & 1633' FWL BHL: 1805' FNL & 1980' FWL		
SEC	TWP	RGE	Other Services
25	6S	92W	MPD/MDN MAI/MFE
API Number	05-045-19654		
Permit Number			
Permanent Datum G.L., Elevation 5922 feet			Elevations:
Log Measured From KB above Permanent Datum			KB 5945.00
Drilling Measured From K.B. @ 23 FT.			DF 5944.00
			GL 5922.00
Date	12-JULY-2011		
Run Number	ONE		
Depth Driller	7732.00	feet	
Depth Logger	7731.00	feet	
First Reading	7708.00		
Last Reading	856.00		
Casing Driller	852.00	feet	
Casing Logger	856.00	feet	
Bit Size	7.875	inches	
Hole Fluid Type	LSND		
Density / Viscosity	10.70 lb/USg	52.00 CP	
PH / Fluid Loss	9.00	7.60 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	ohm-m	
Source Rmf / Rmc	CALC	CALC	
Rm @ BHT	1.32 @ 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	C.CROW		

BOREHOLE RECORD				Last Edited: 12-JUL-2011 16:03
Bit Size inches	Depth From feet		Depth To feet	
8.750	852.00		5974.00	
7.880	5974.00		7732.00	
CASING RECORD				
Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE	9.625	0.00	852.00	36.00

REMARKS
LOGGING SOFTWARE USED: 11.03.3657
TOOLS: SHA, MCG, MDN, MPD, SKJ, MFE AND MAI RAN IN COMBINATION.
HARDWARE: MPD: 4 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.
SP FISH MOVED NEAR BOTTOM TO IMPROVE TOOL RESPOSE.
REPEAT SECTION RECORDED 200 FEET OFF BOTTOM DUE TO TIGHT PULLS AND BRIDGE SECTIONS ENCOUNTERED UPON

REFLECT SECTION RECORDED 200 FEET OFF BOTTOM DUE TO HIGH FLEGS AND BRIDGE SECTIONS ENCOUNTERED ON ENTRY.

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

8.75 INCH BIT CHANGE AT 5974 FT.

TOTAL HOLE VOLUME FROM TD TO SURFACE CASING = 3150 CU.FT.

ANNULAR VOLUME WITH 4.5 INCH PRODUCTION CASING = 2380 CU.FT.

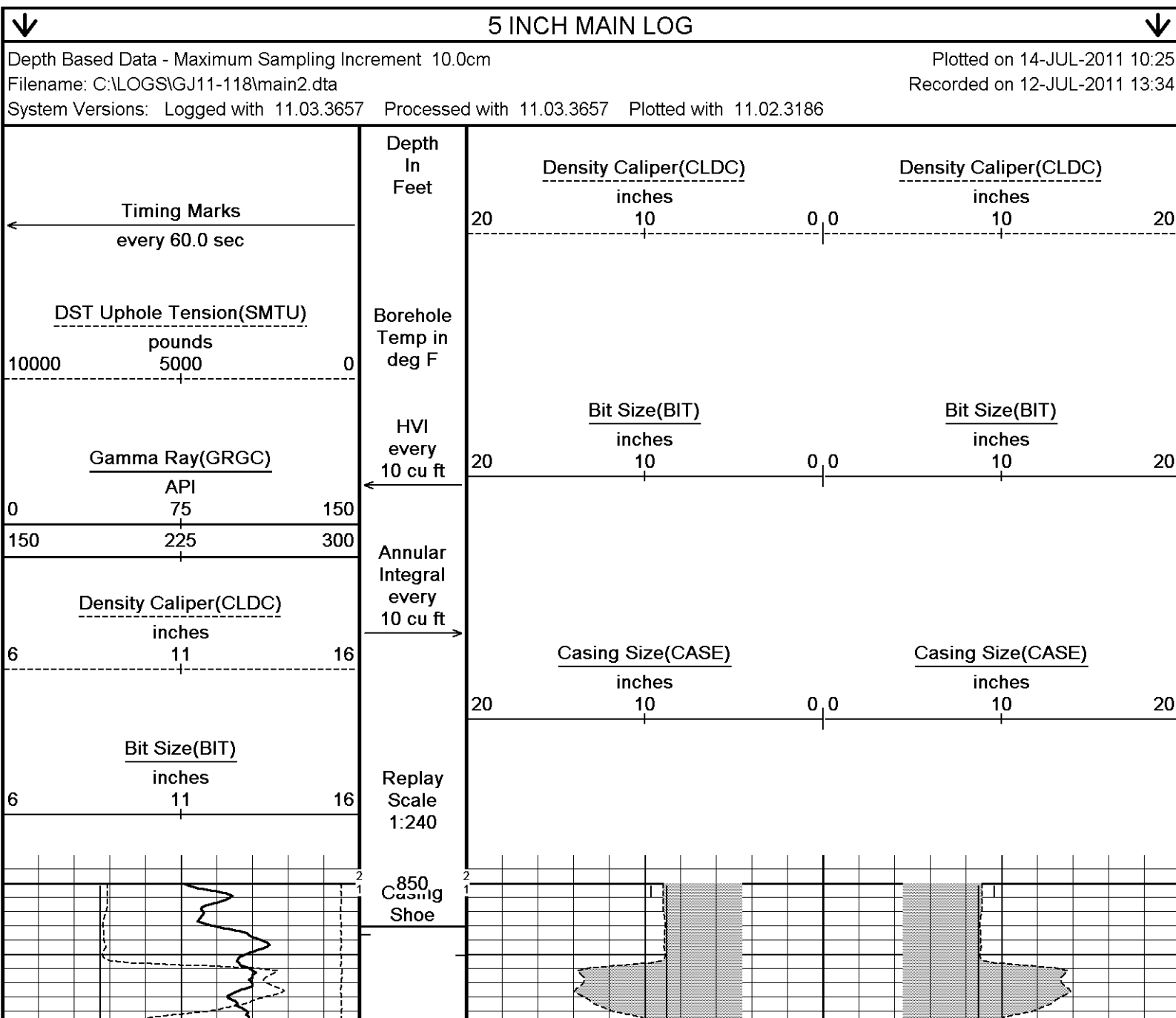
ENGINEER(S): M.RICHINS

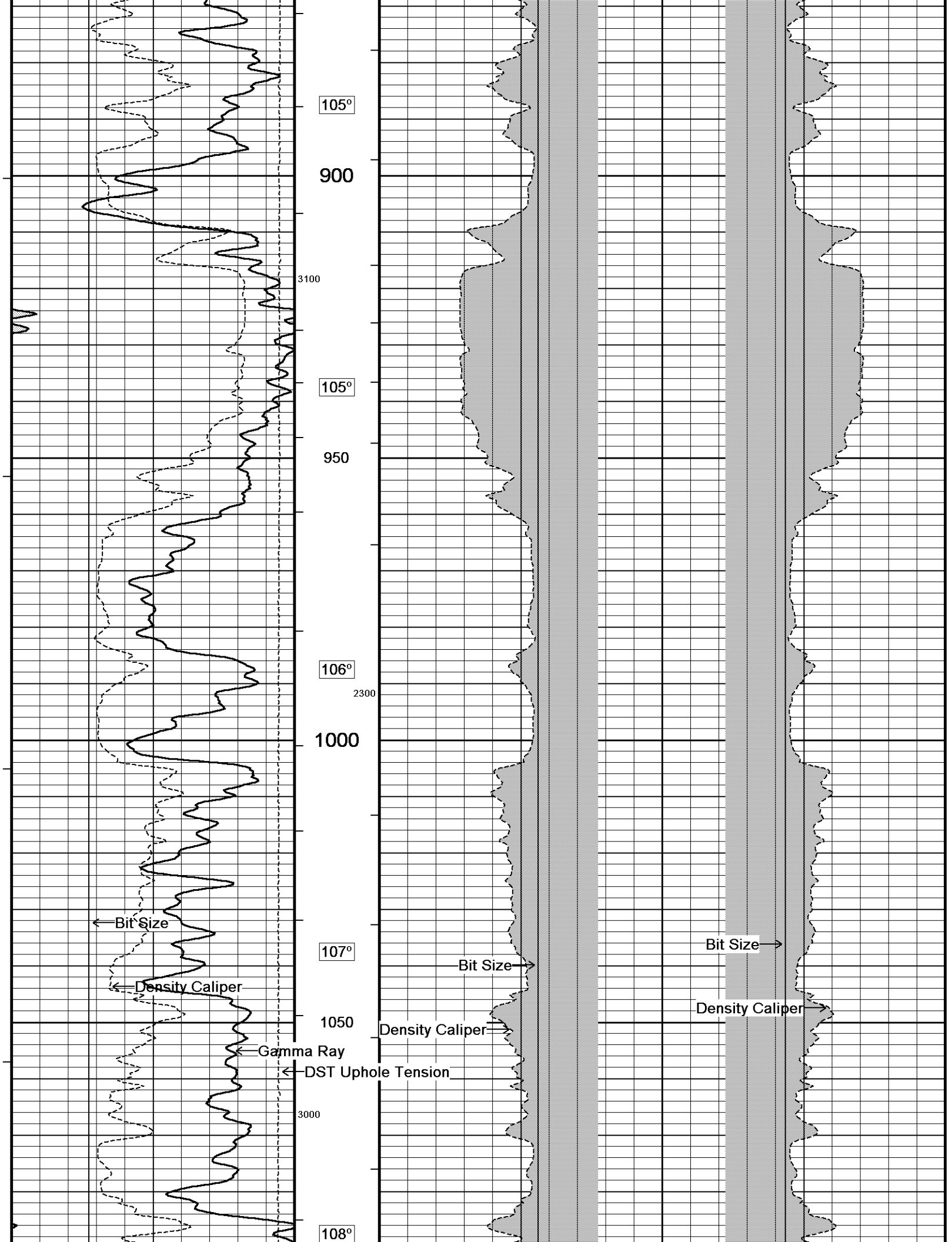
OPERATOR(S): D.DALEY, R.SYERS

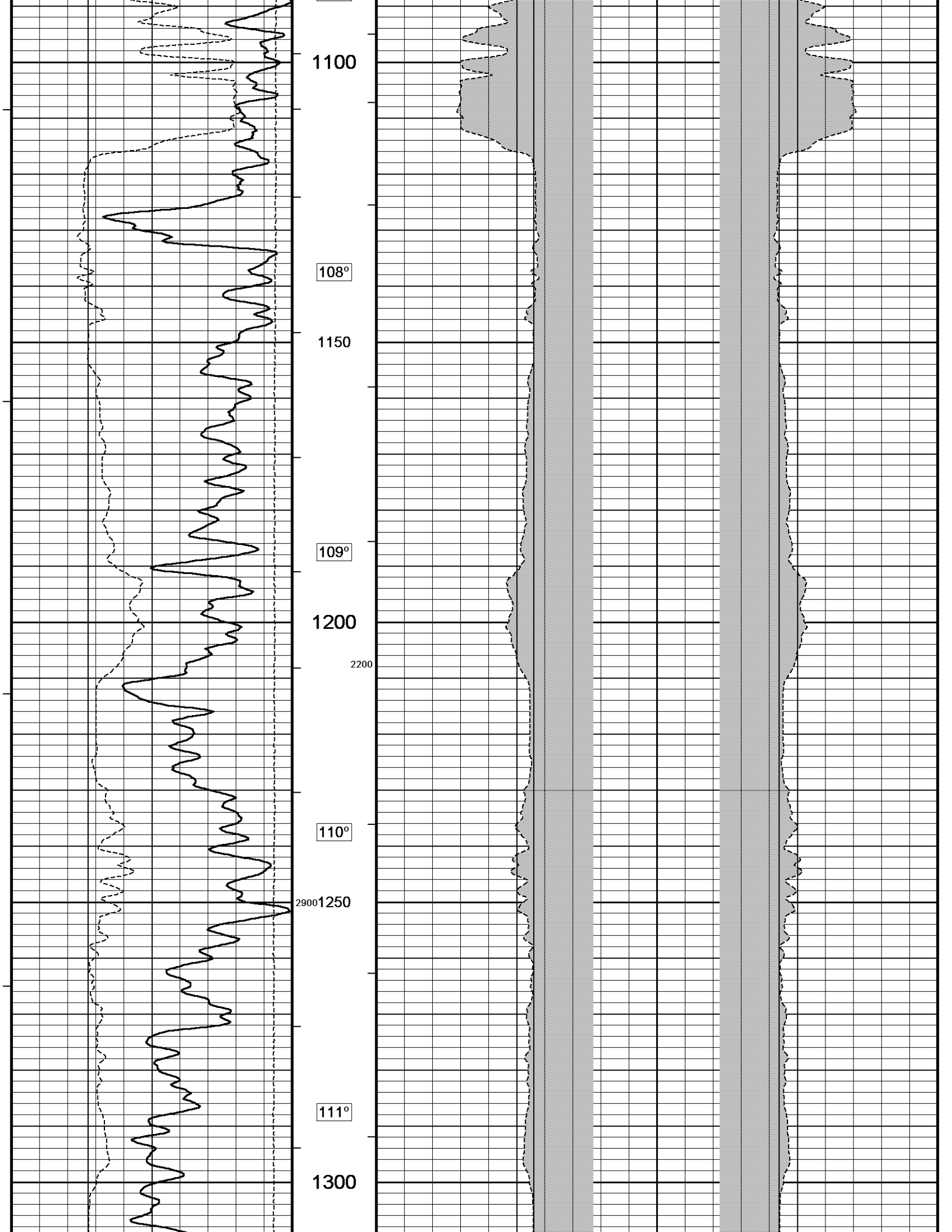
SERVICE ORDER: # 3524753

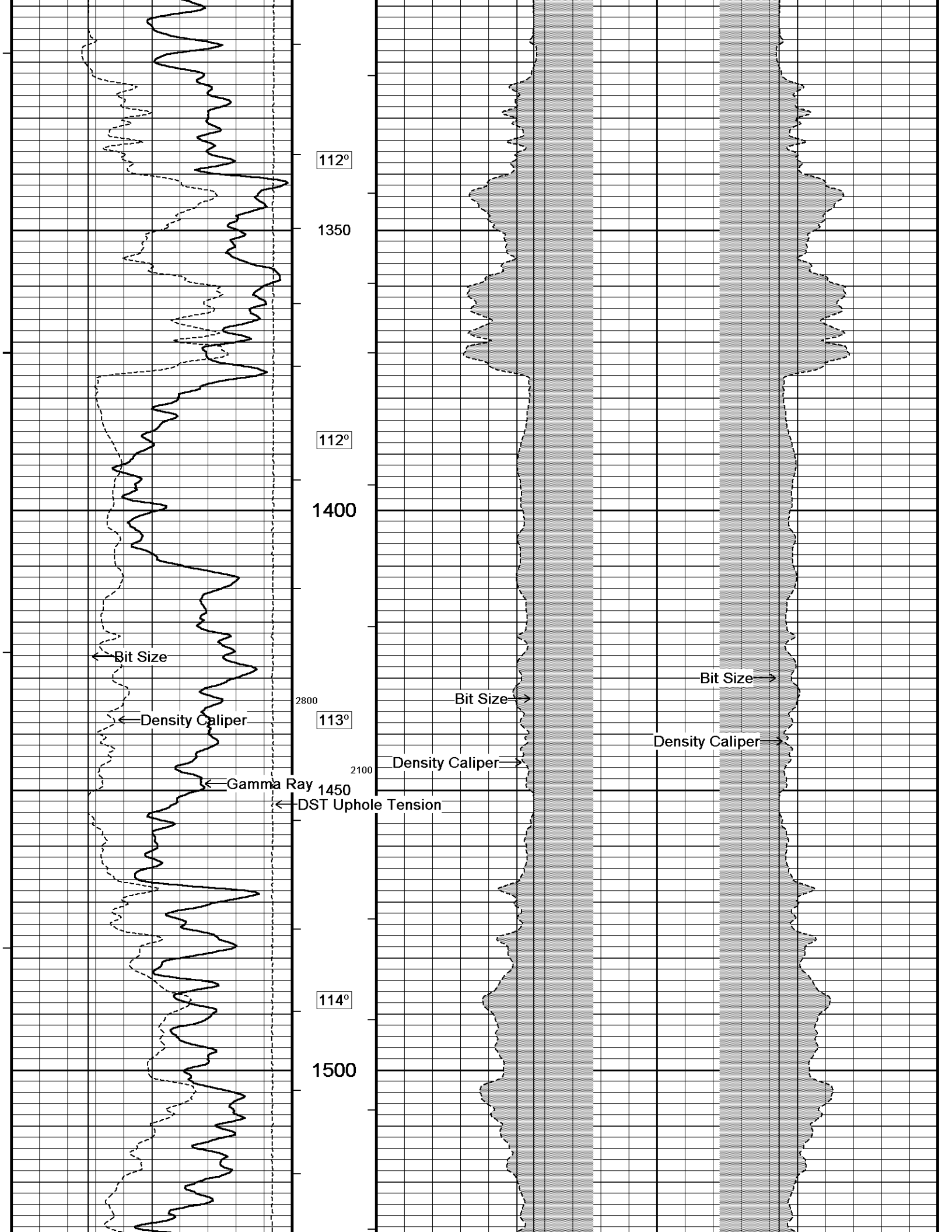
RIG: PATTERSON #307

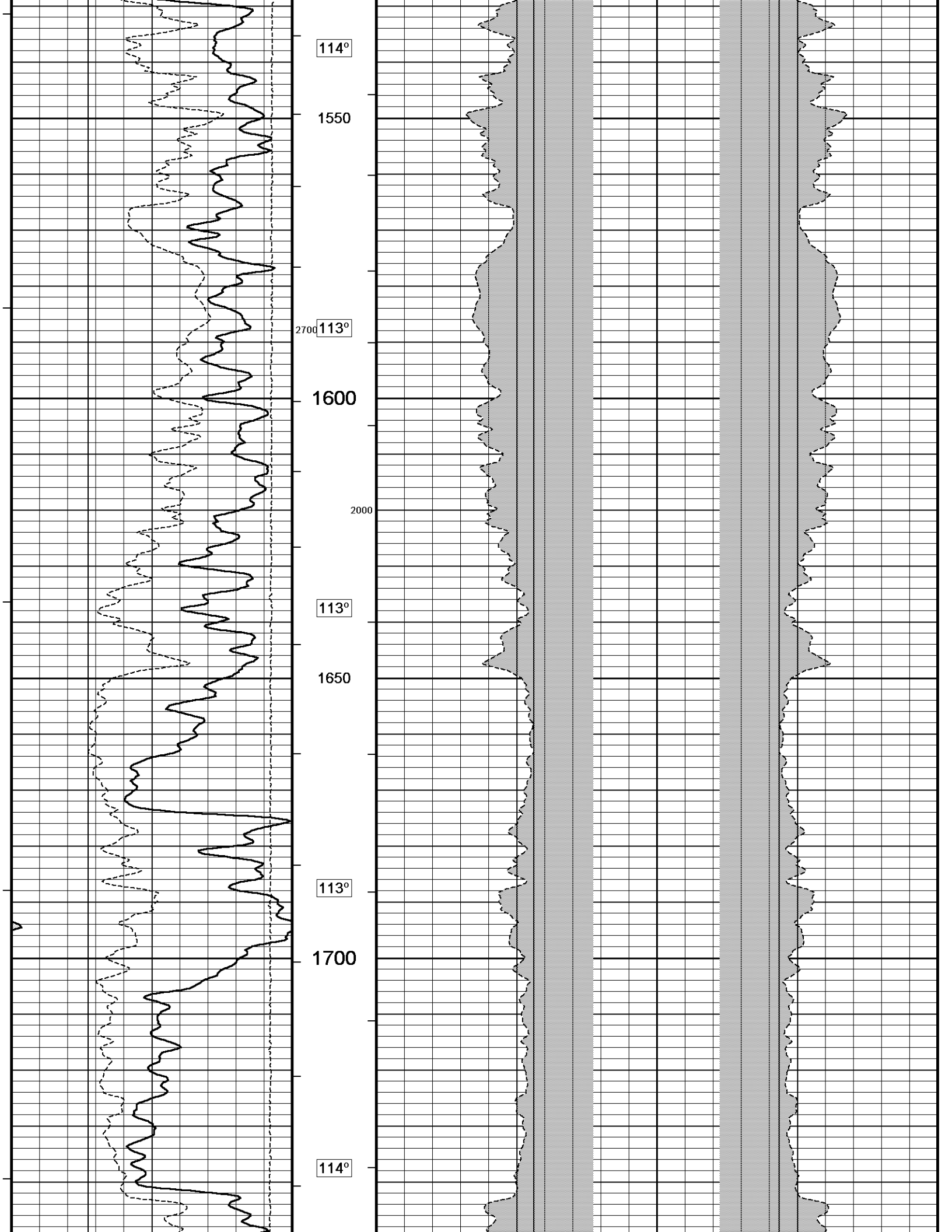
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs,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

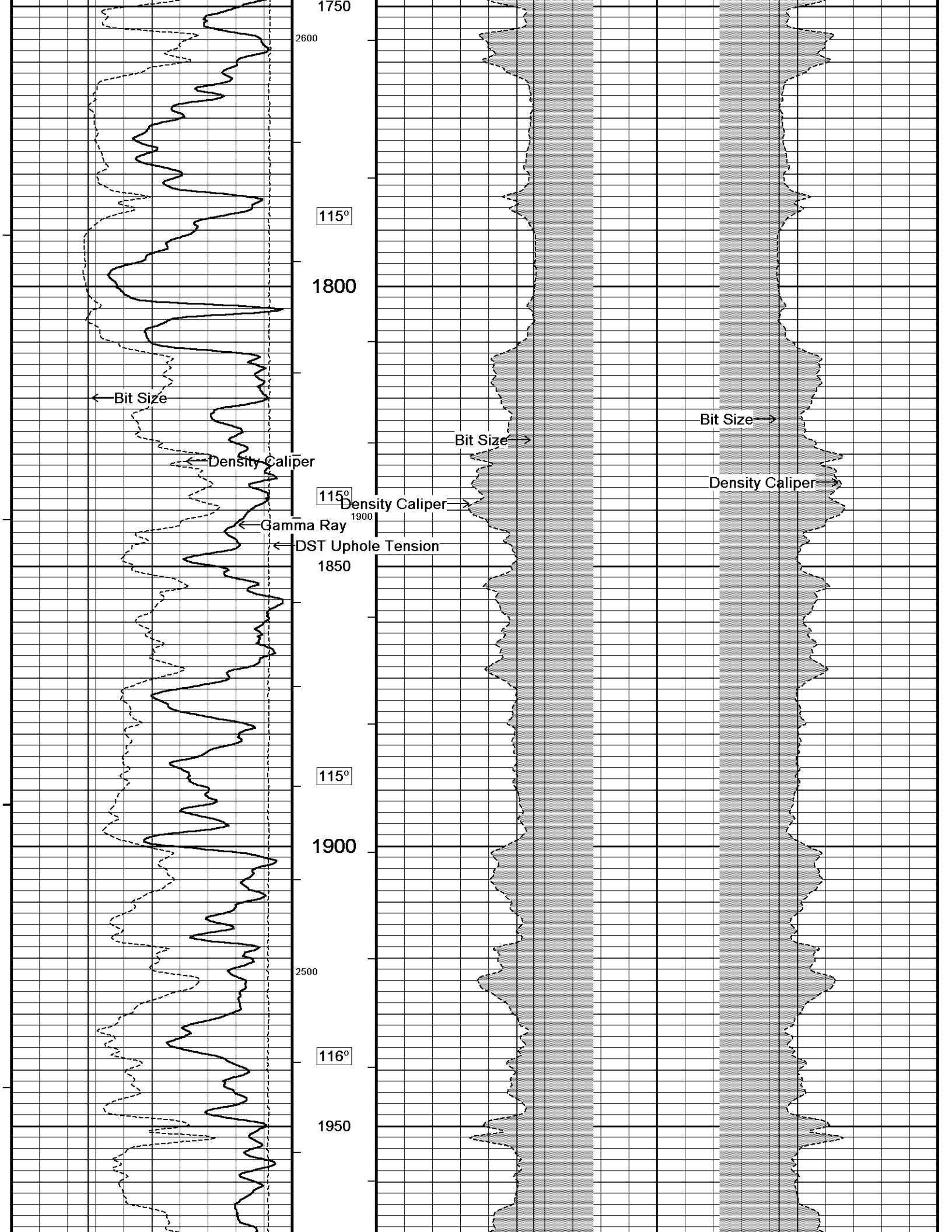


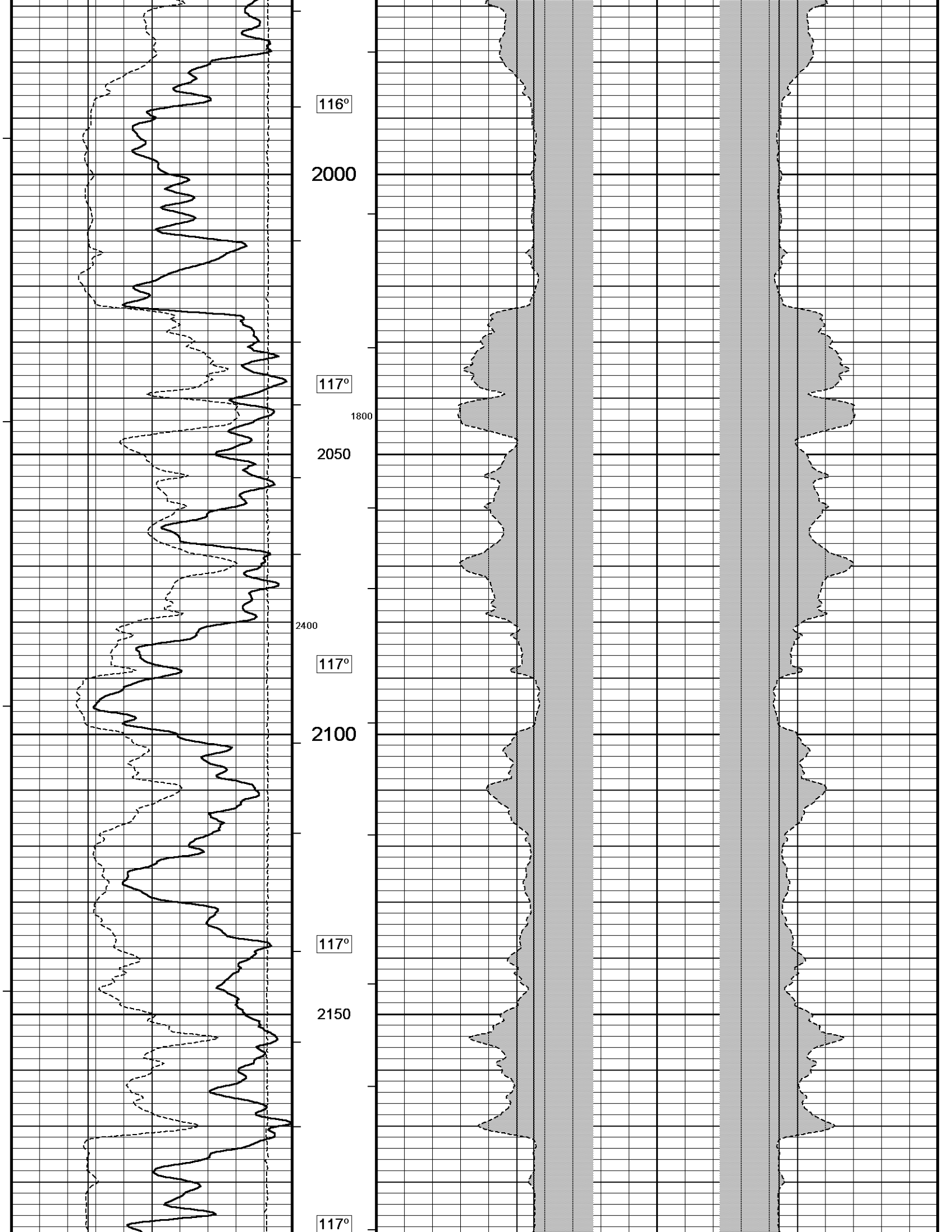


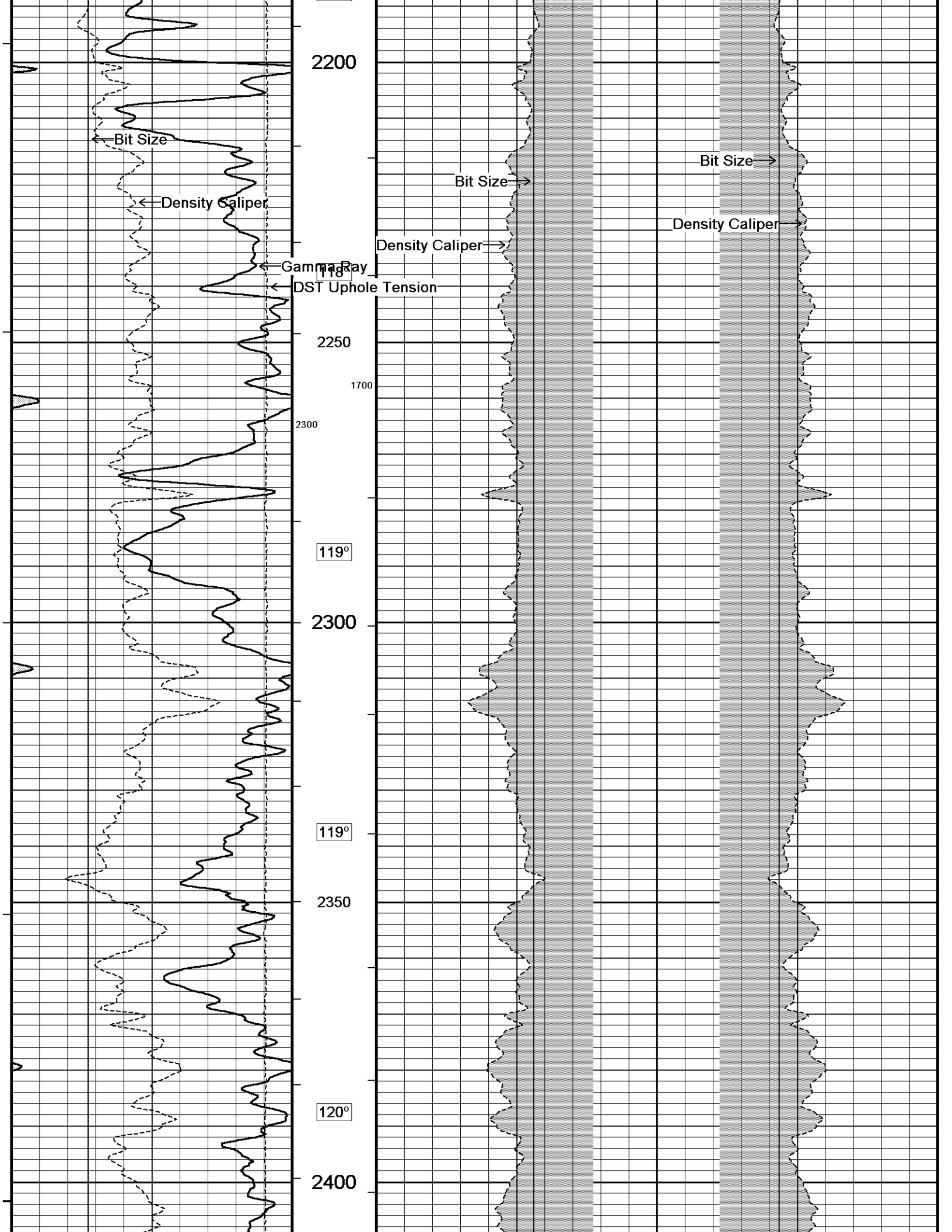


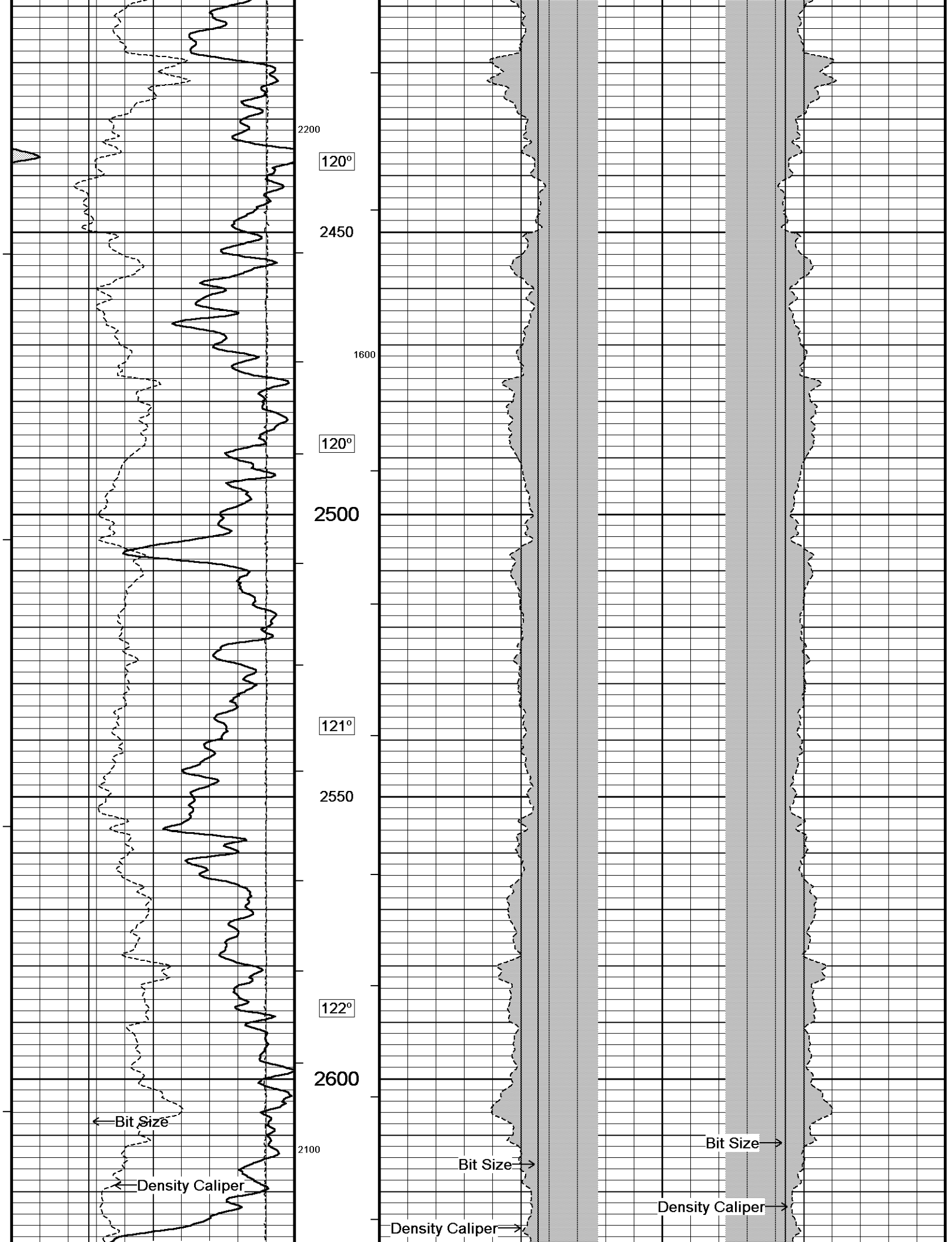


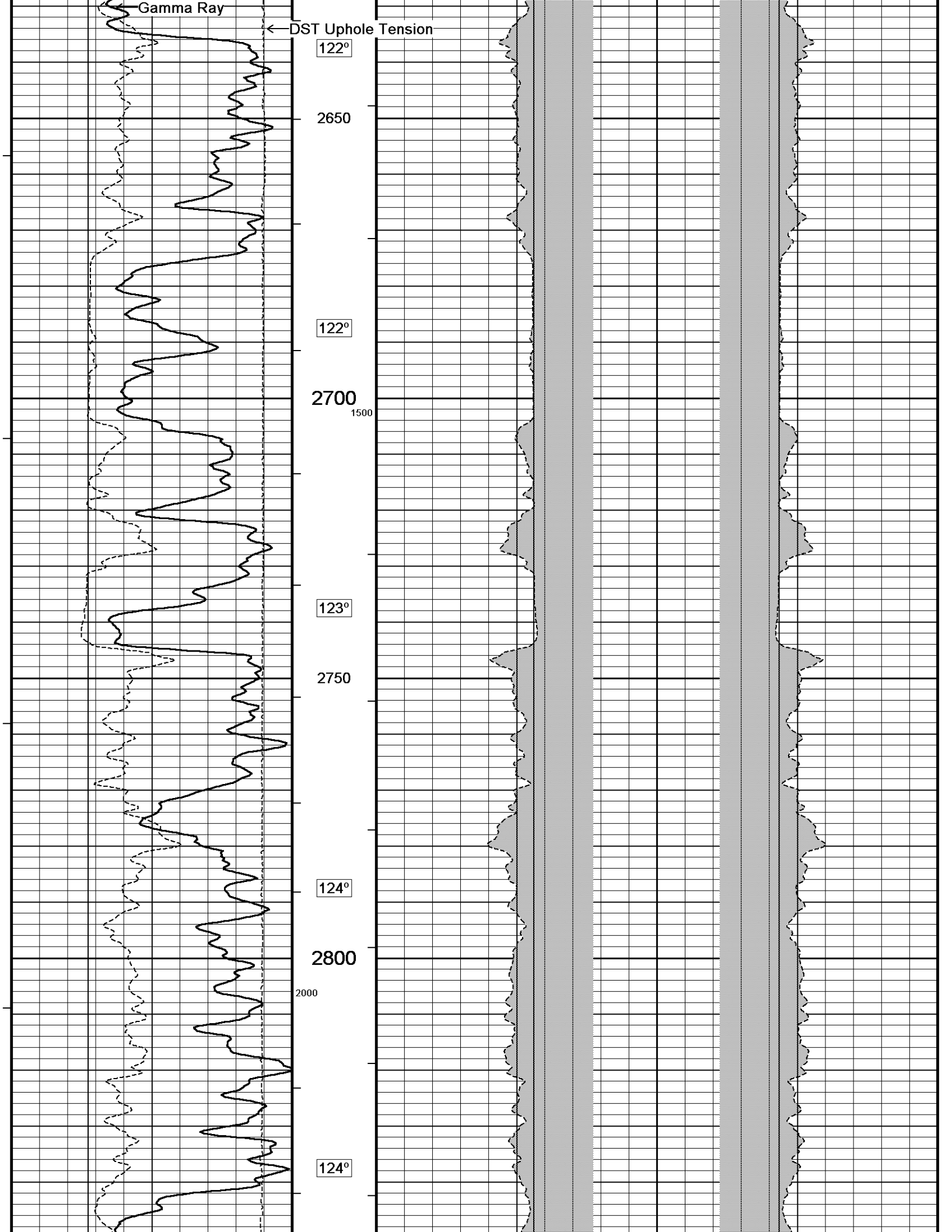


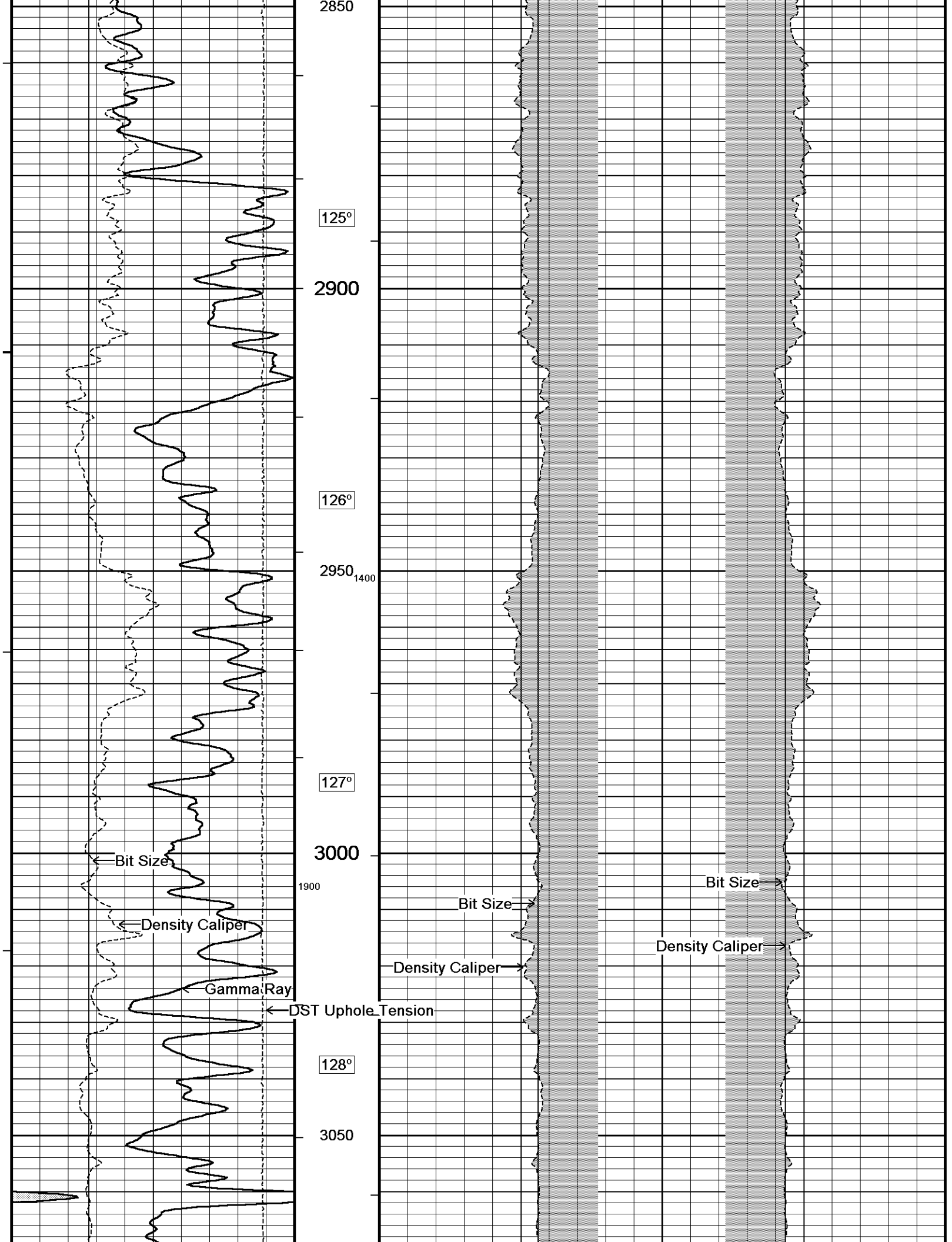


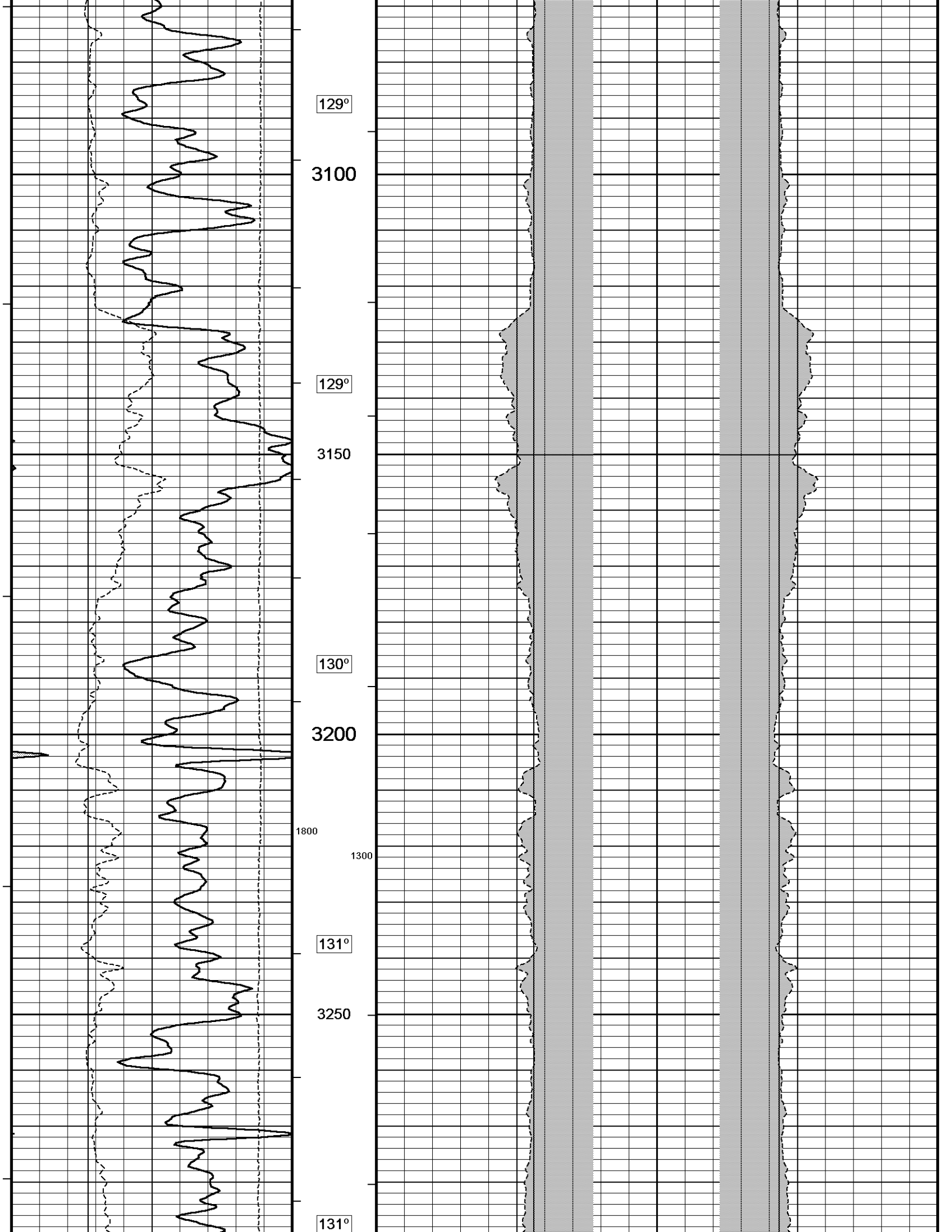


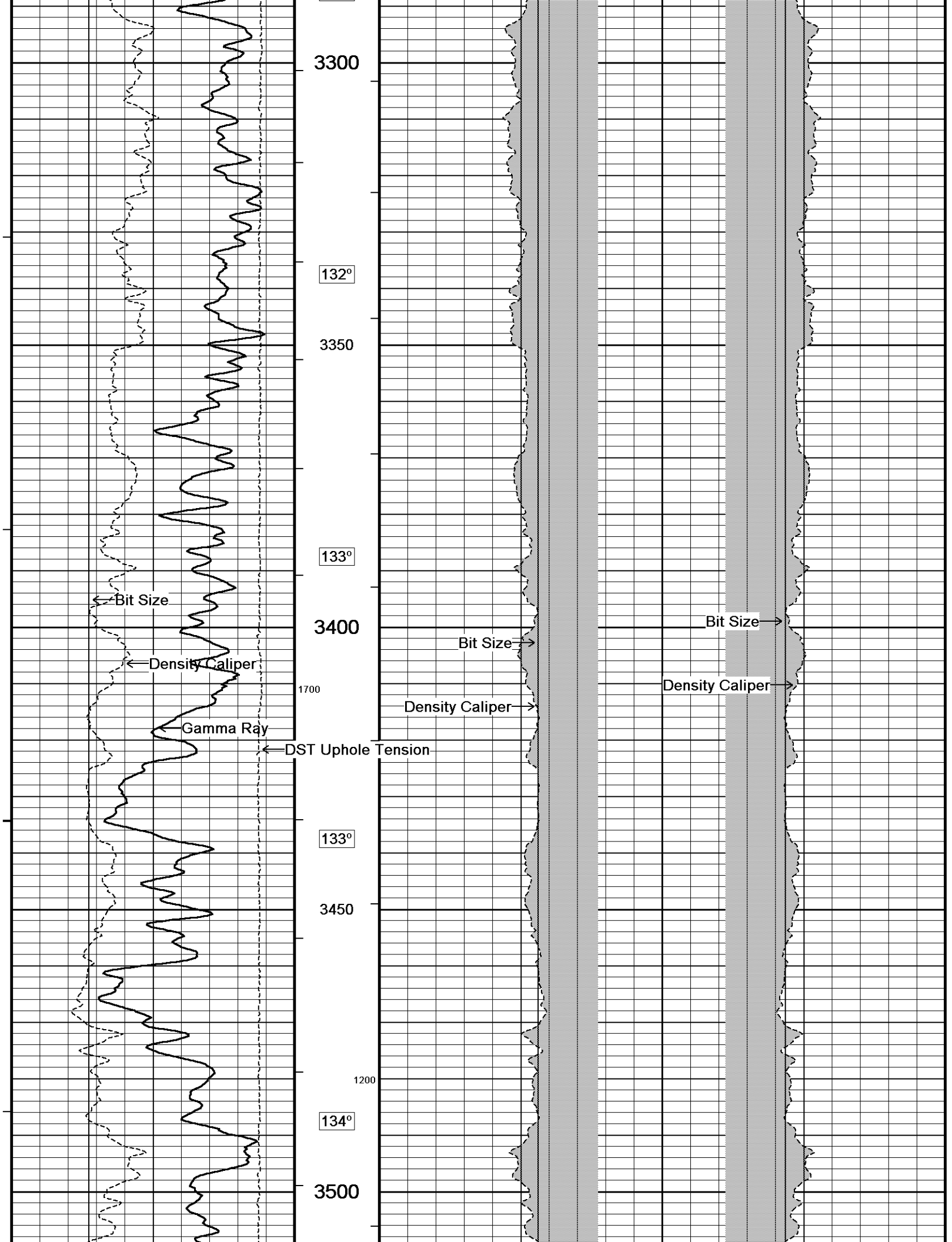


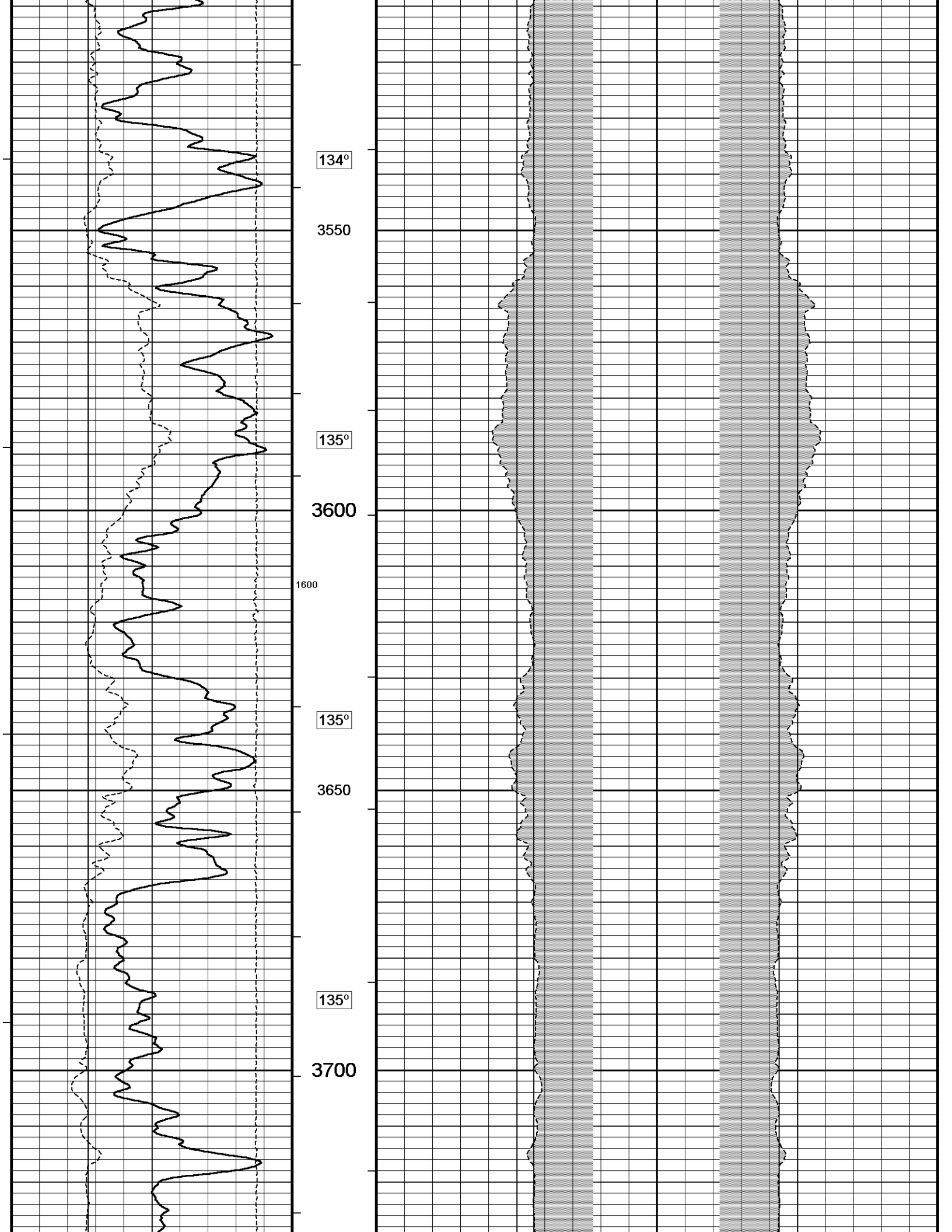


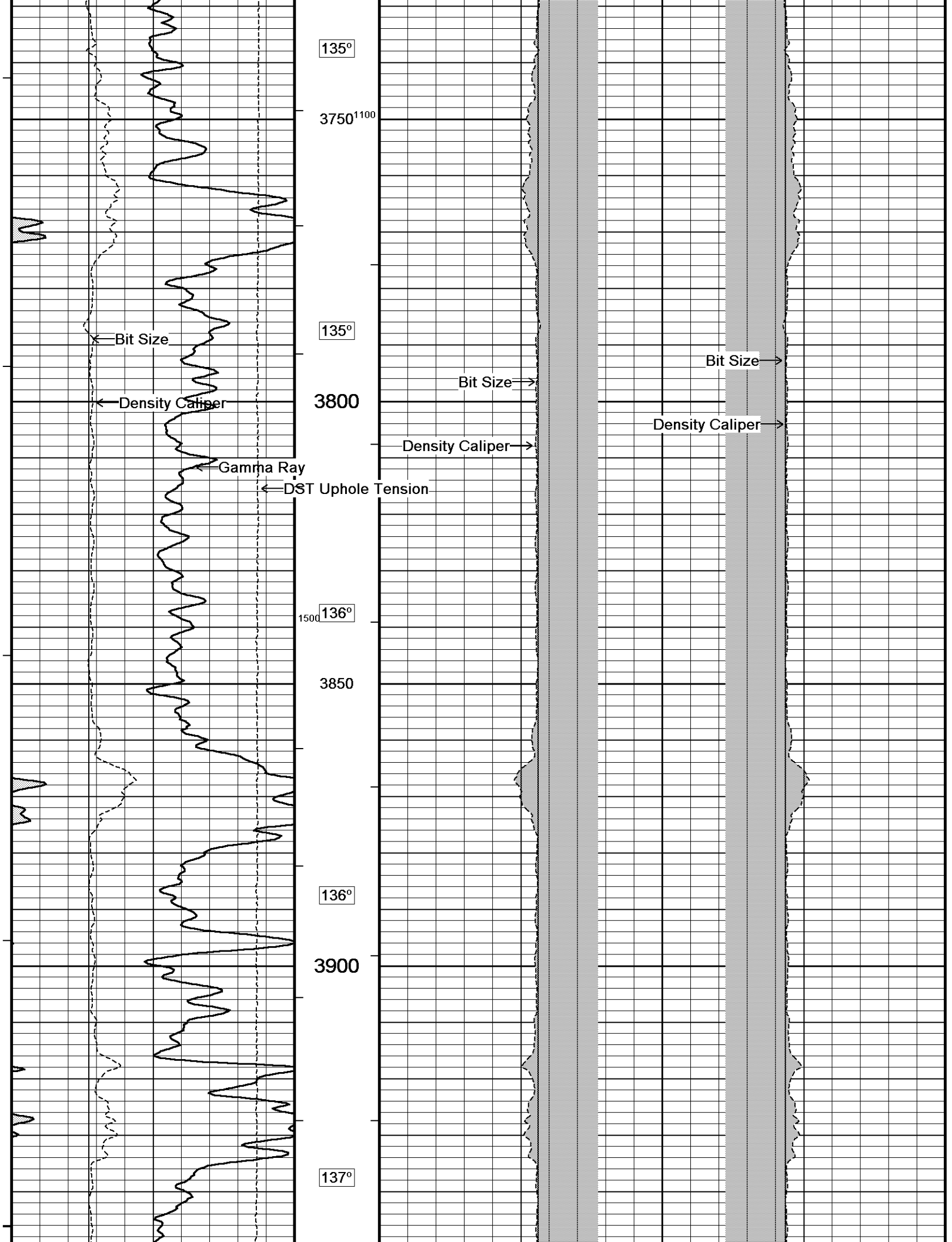


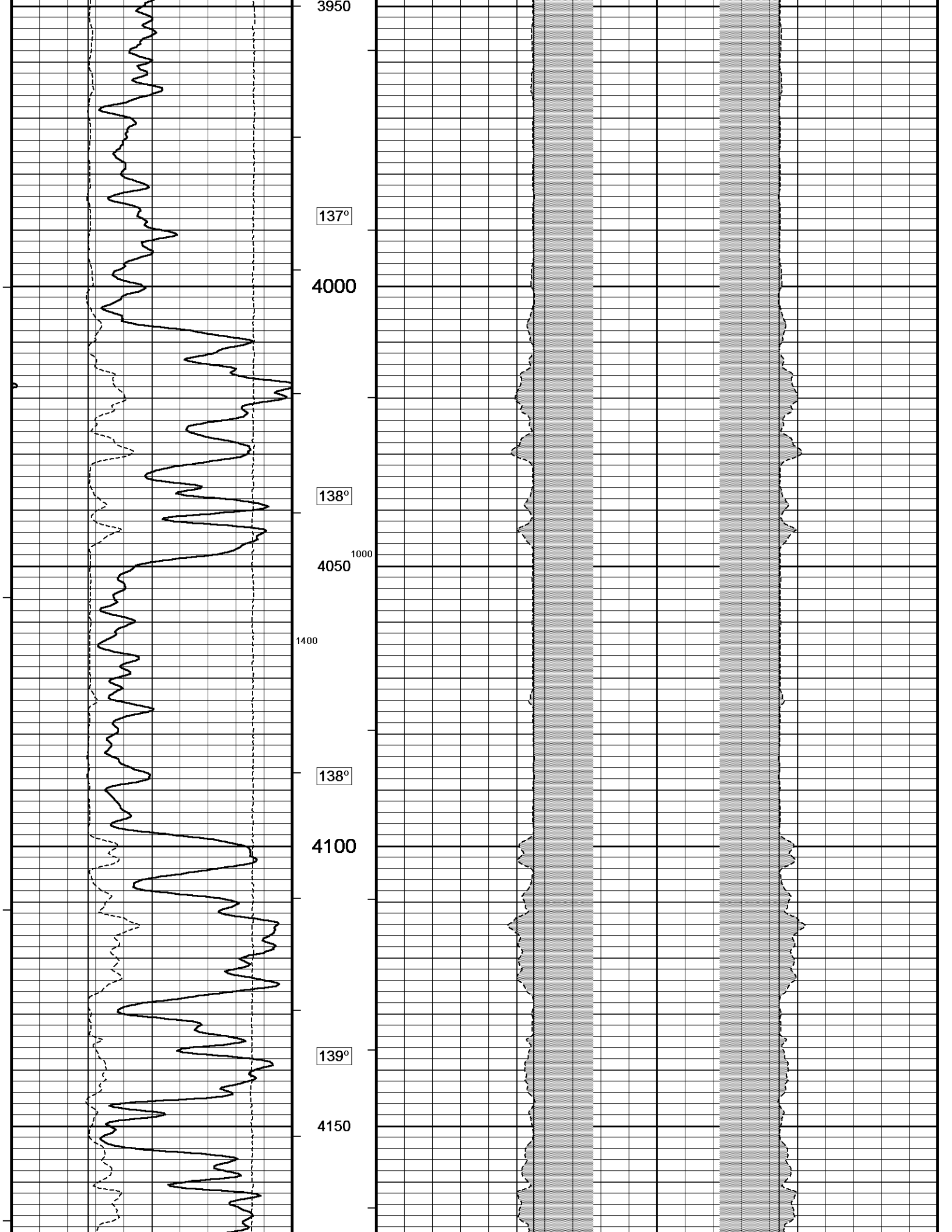


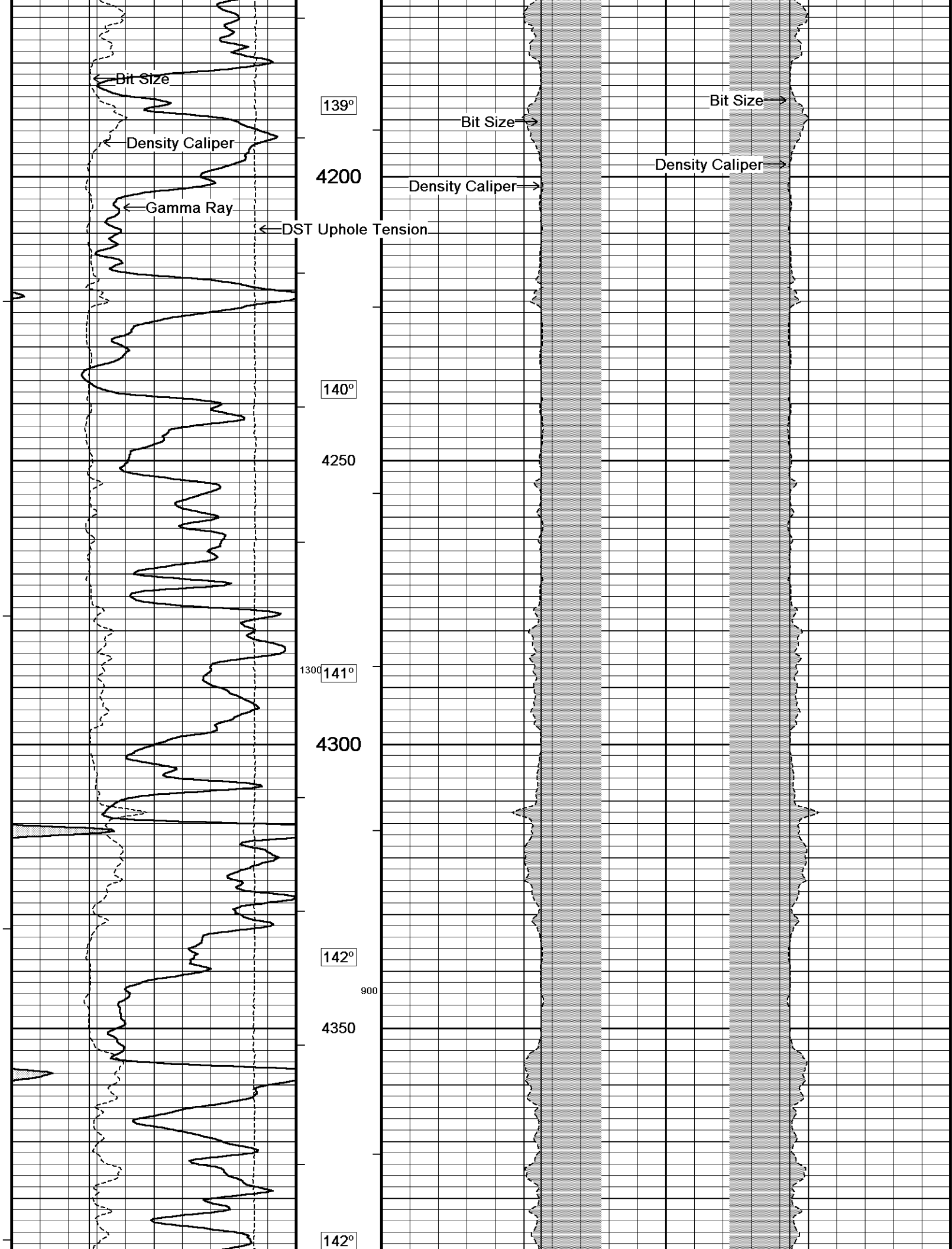


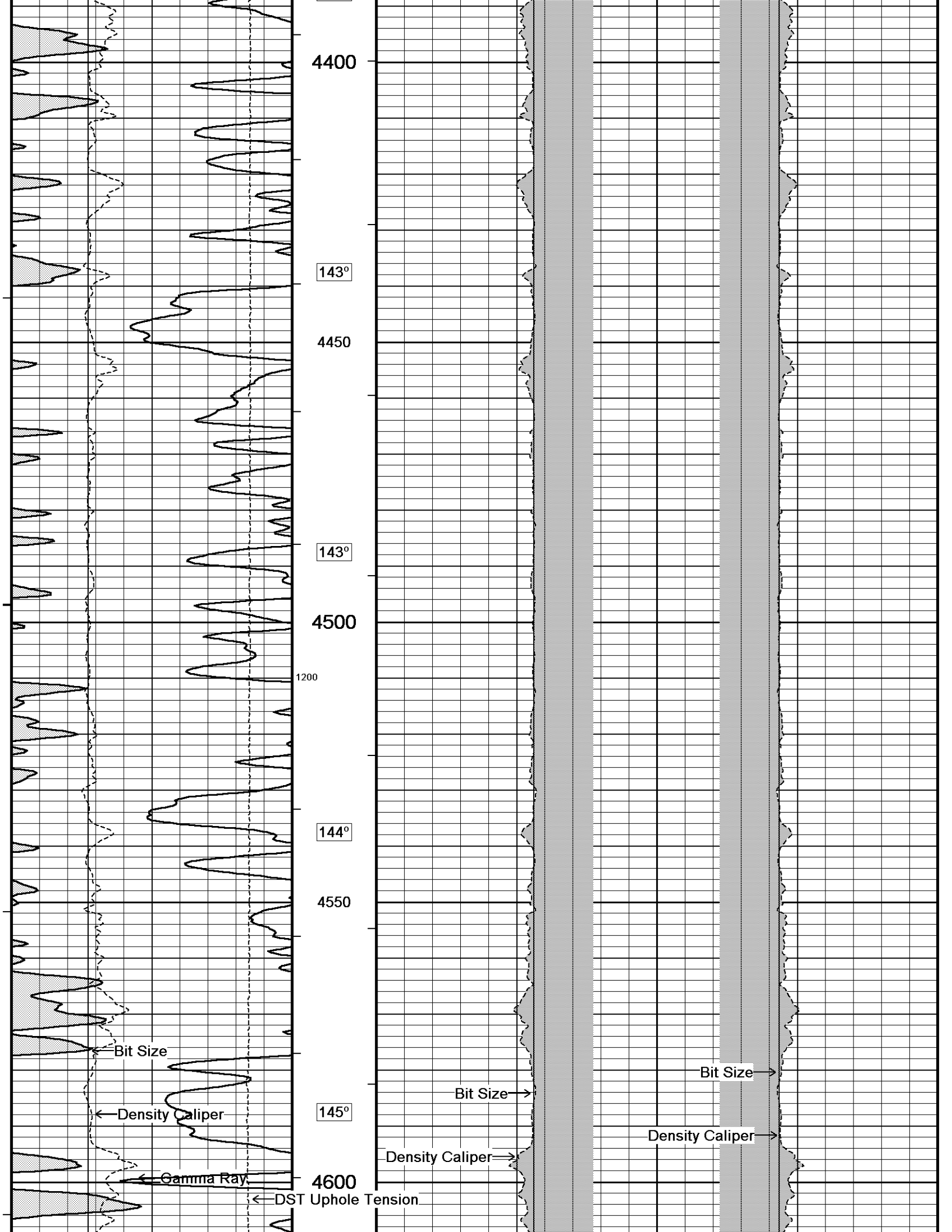


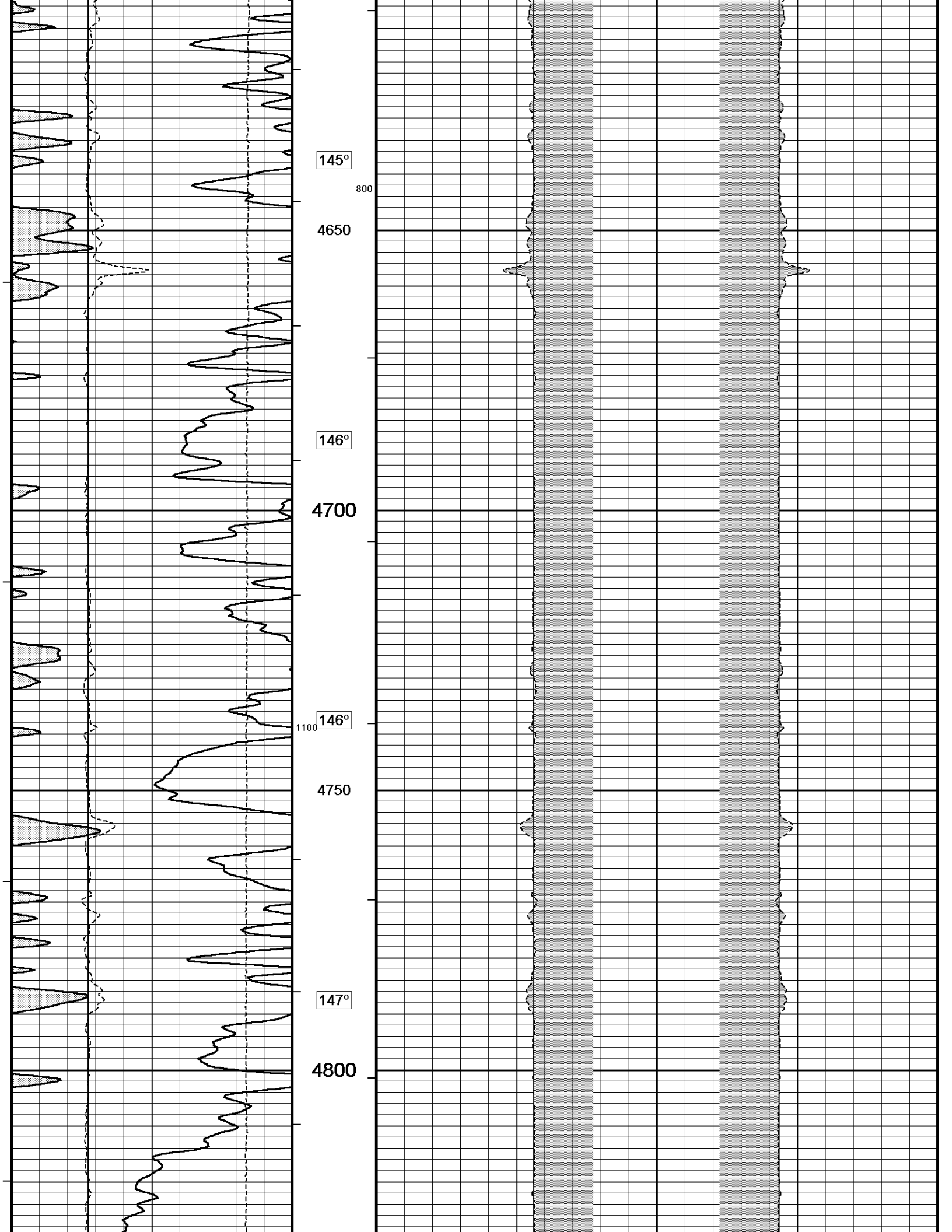


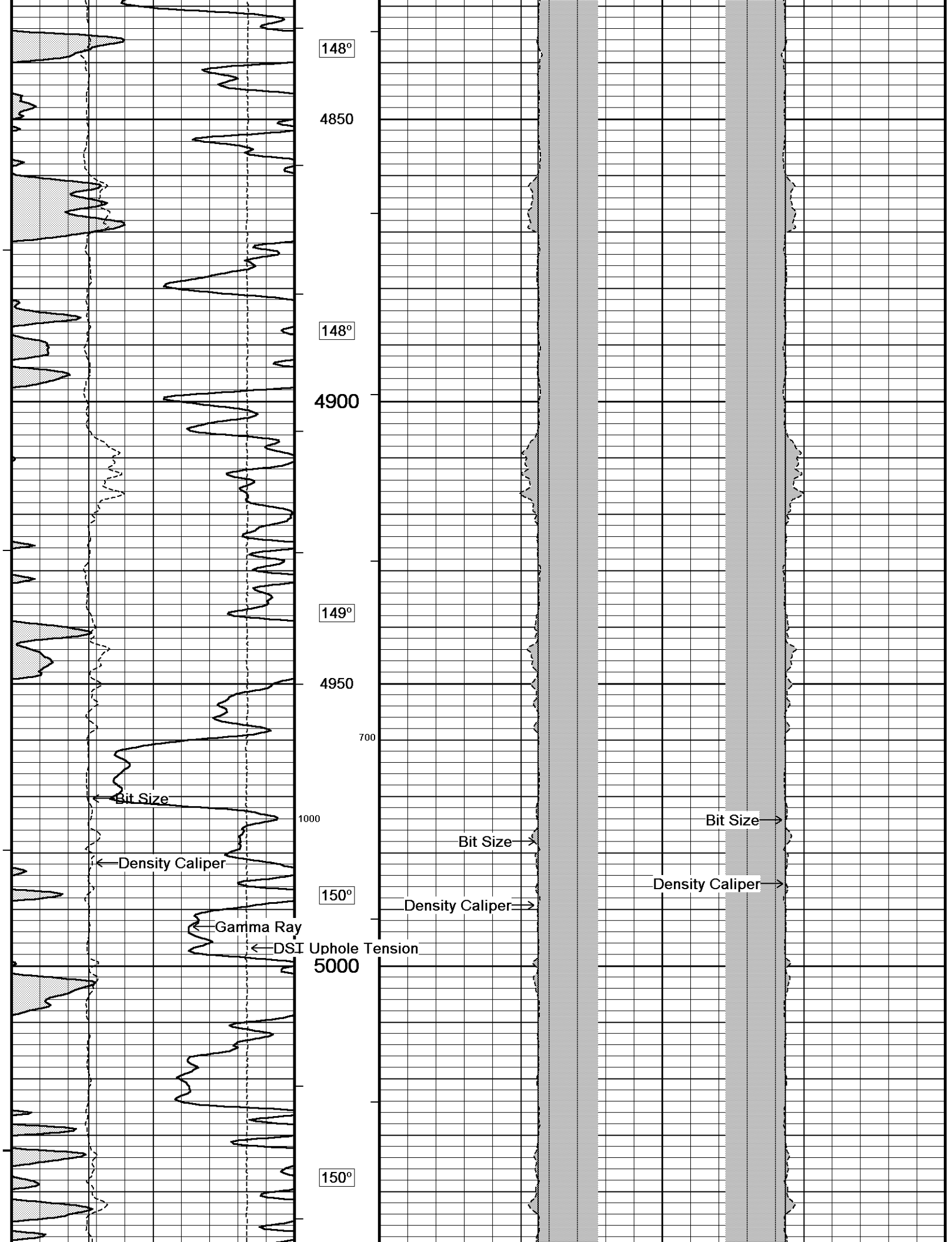


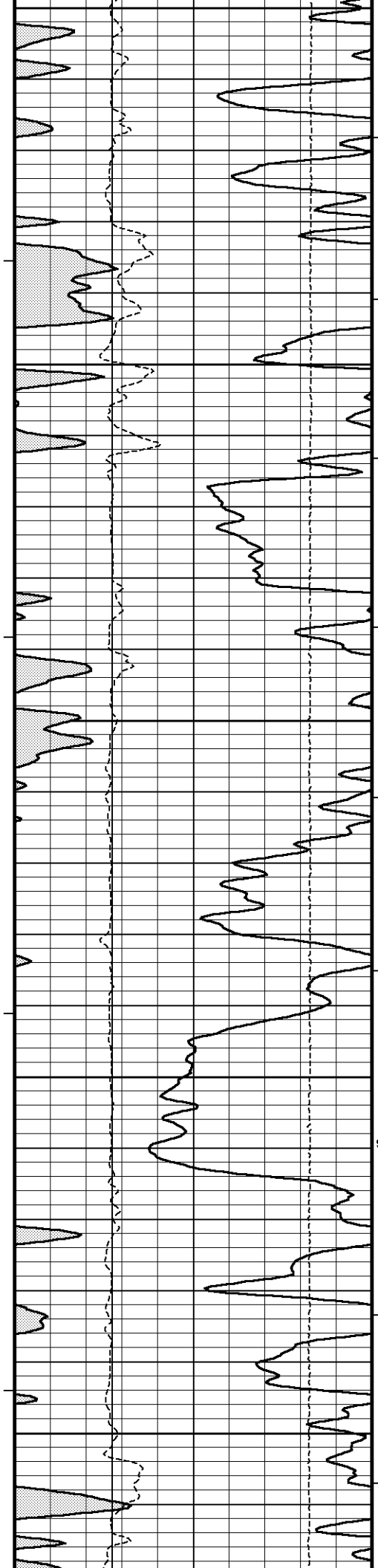




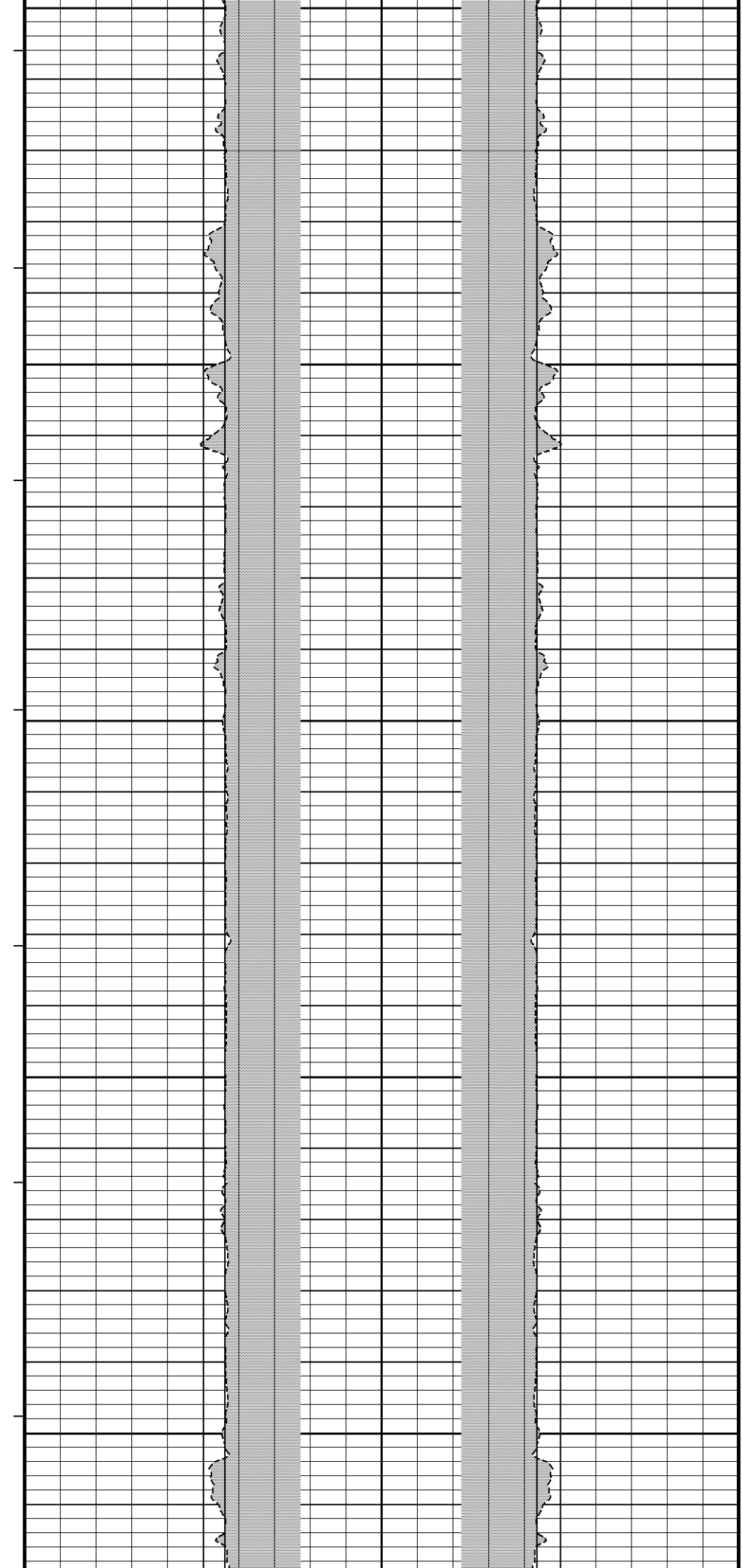


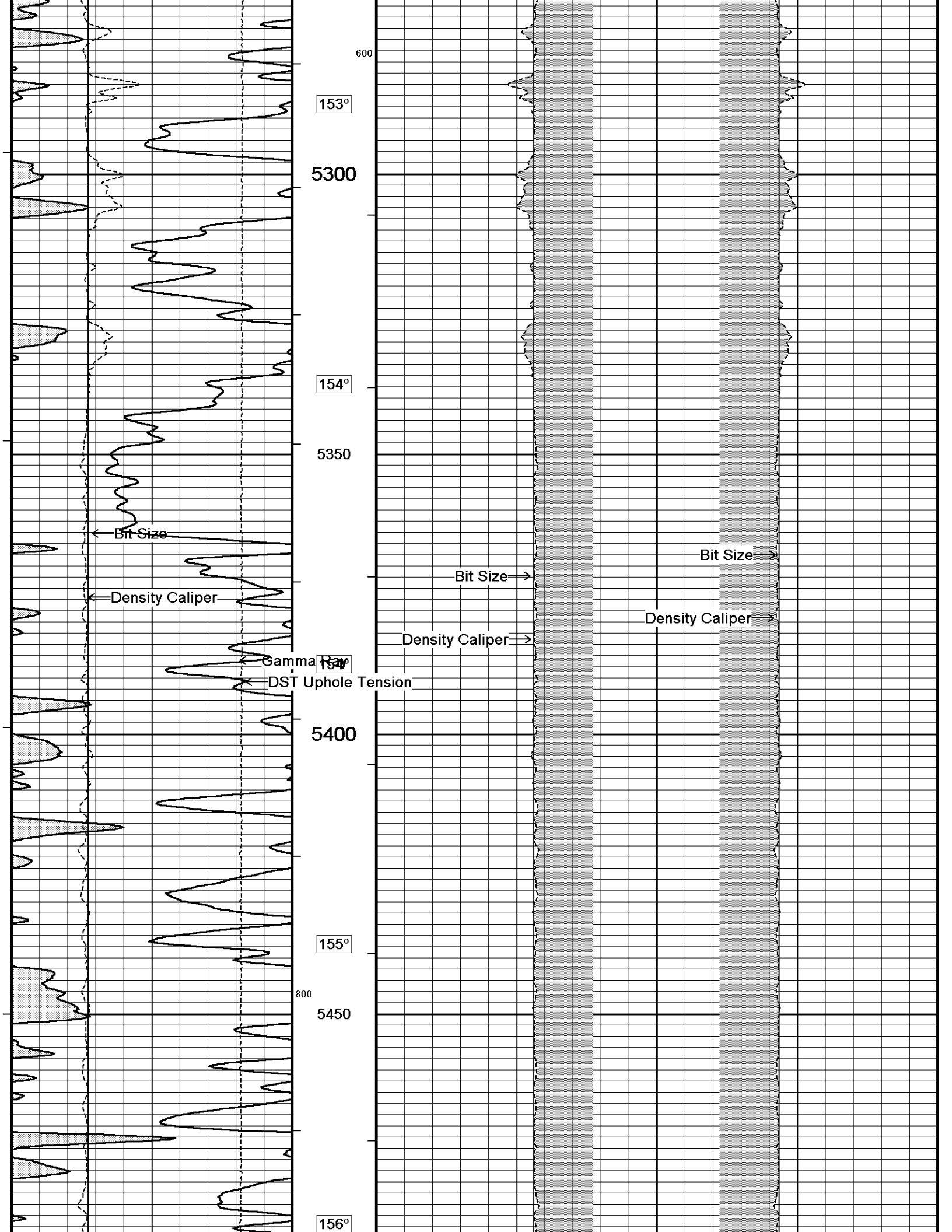


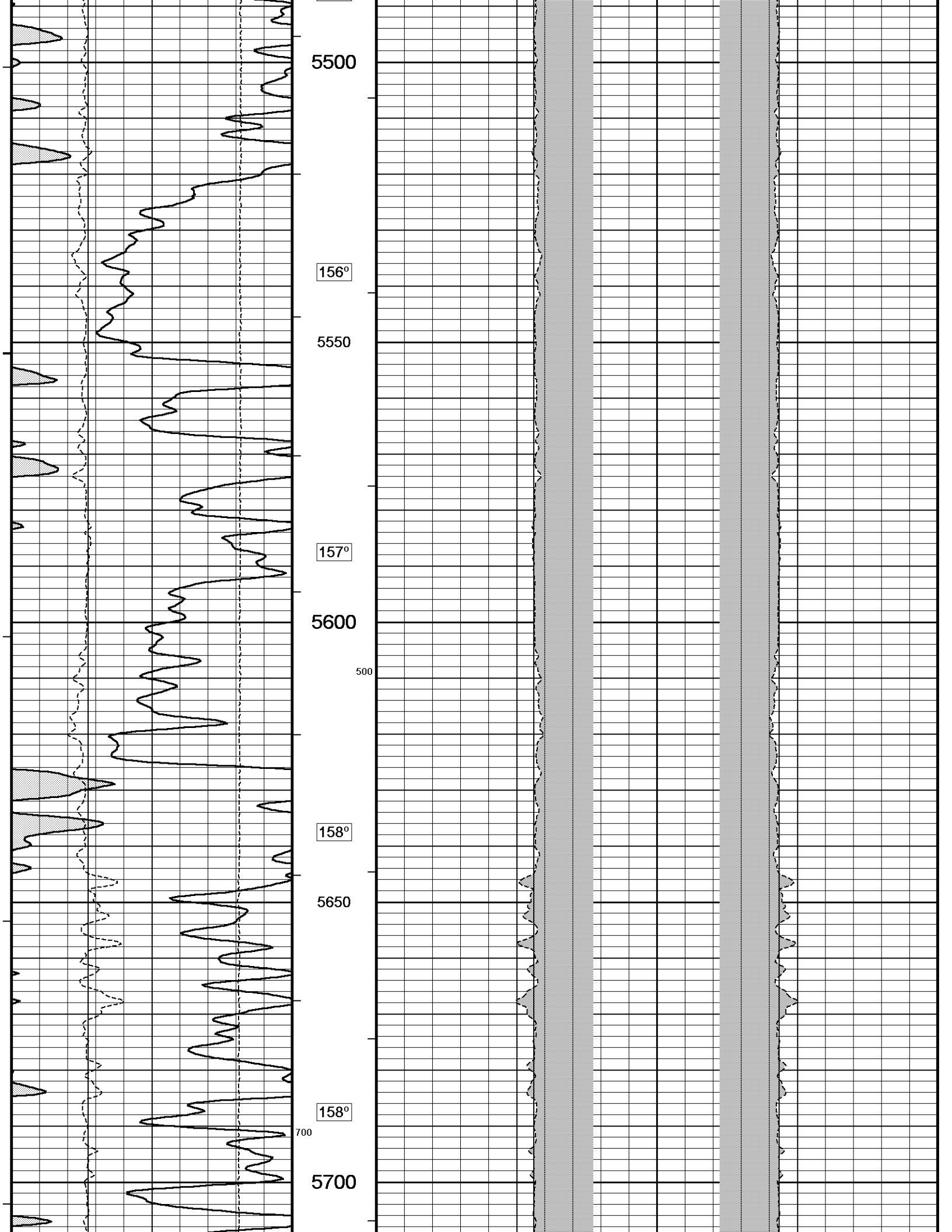


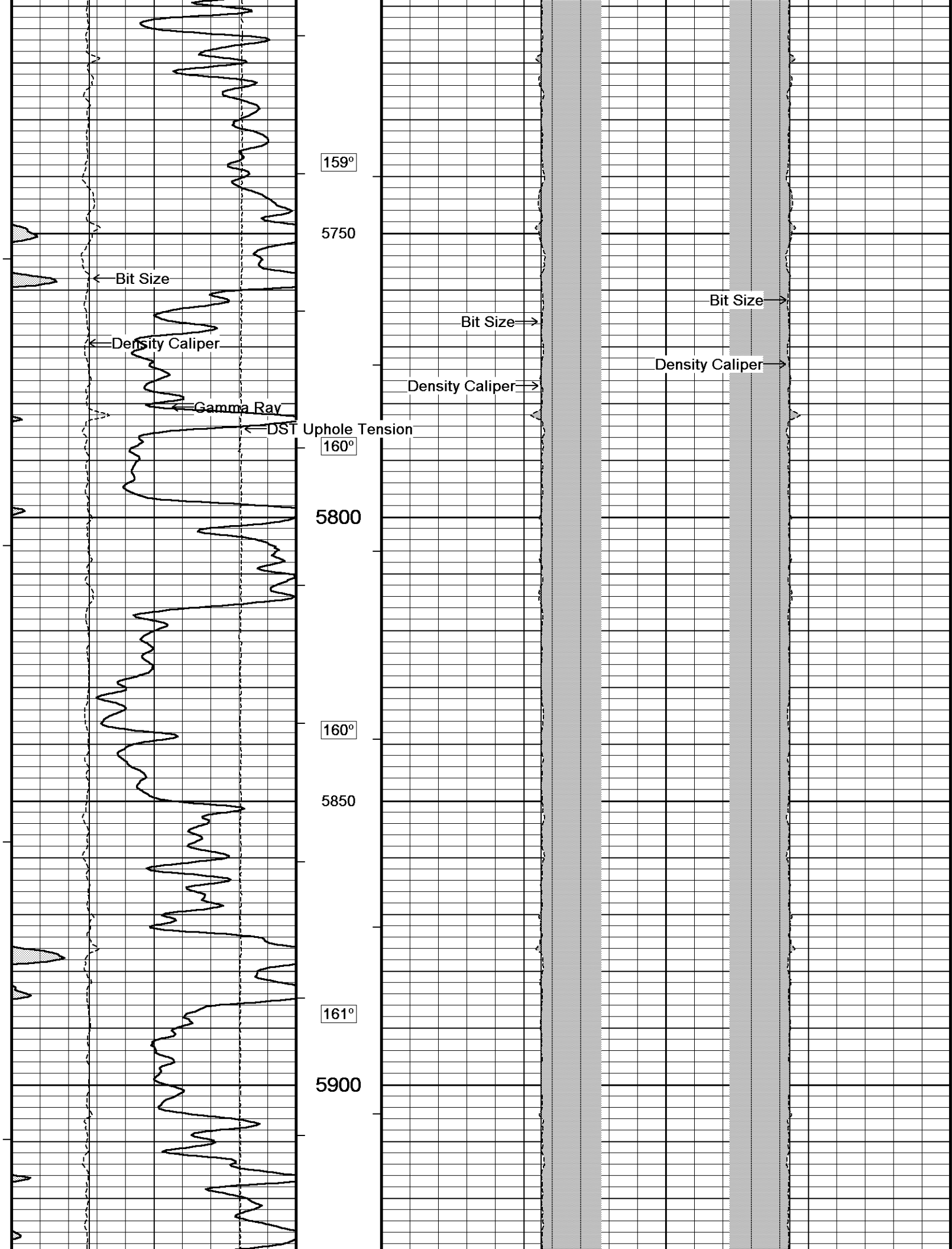


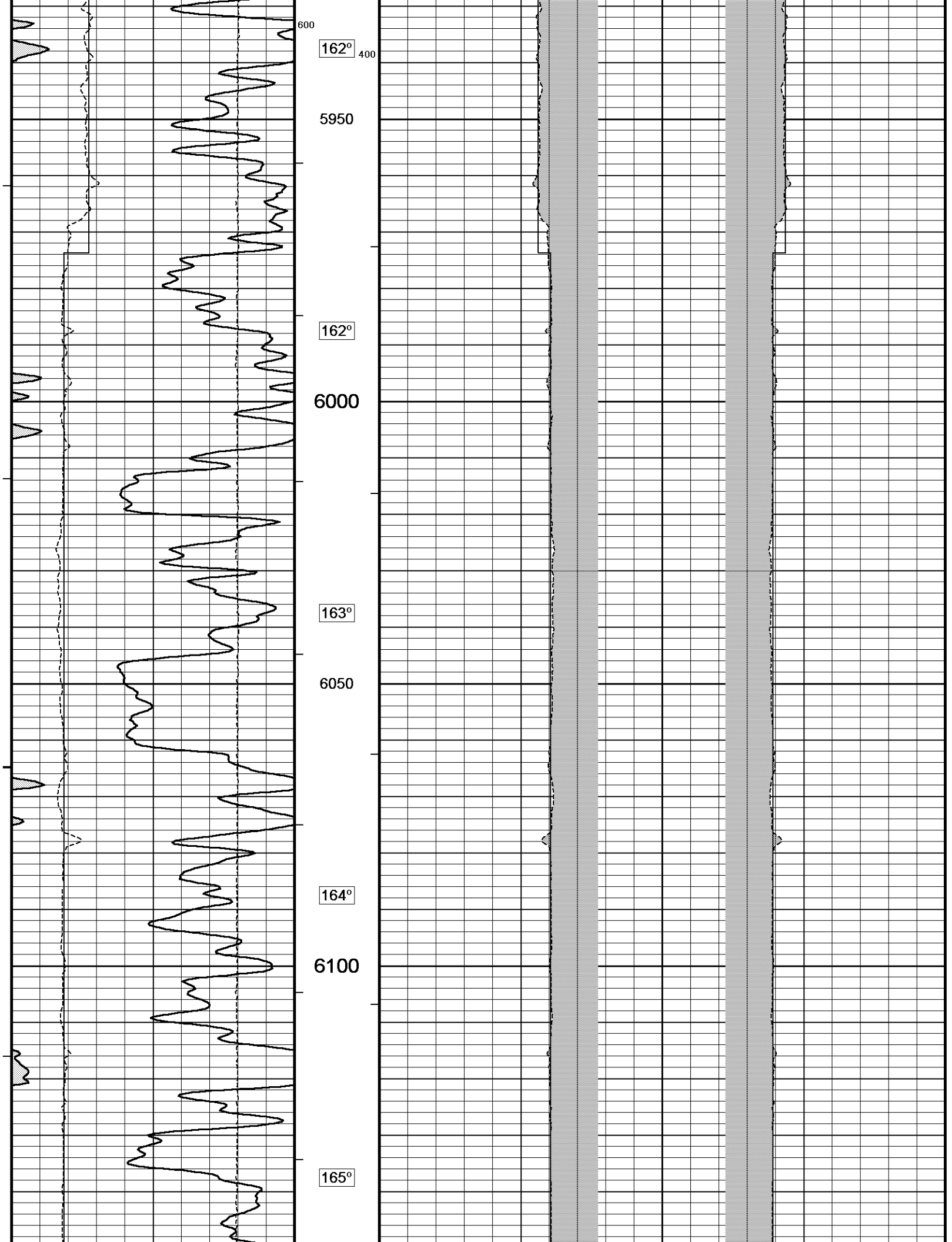
5050
151°
5100
151°
5150
152°
5200
900
153°
5250

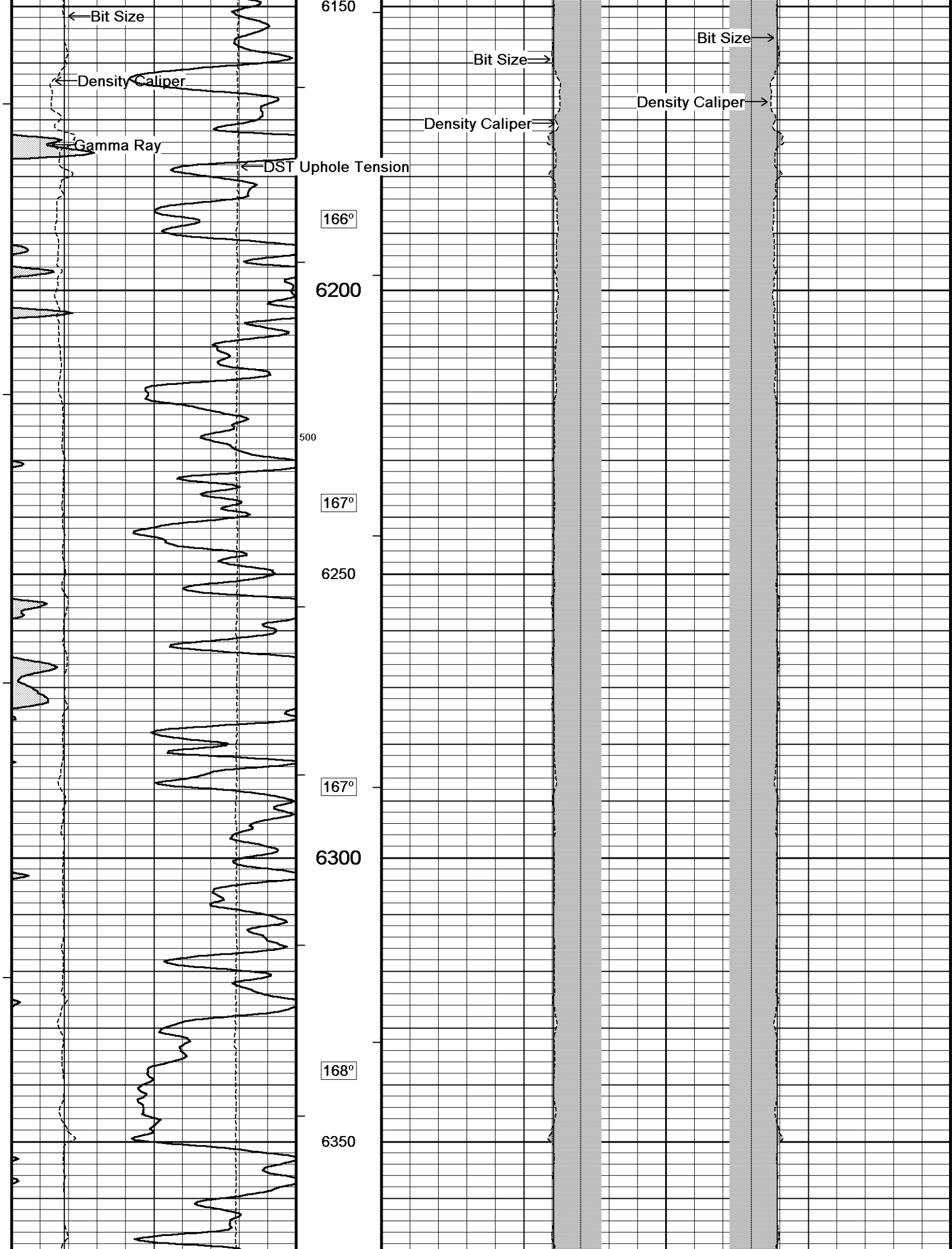


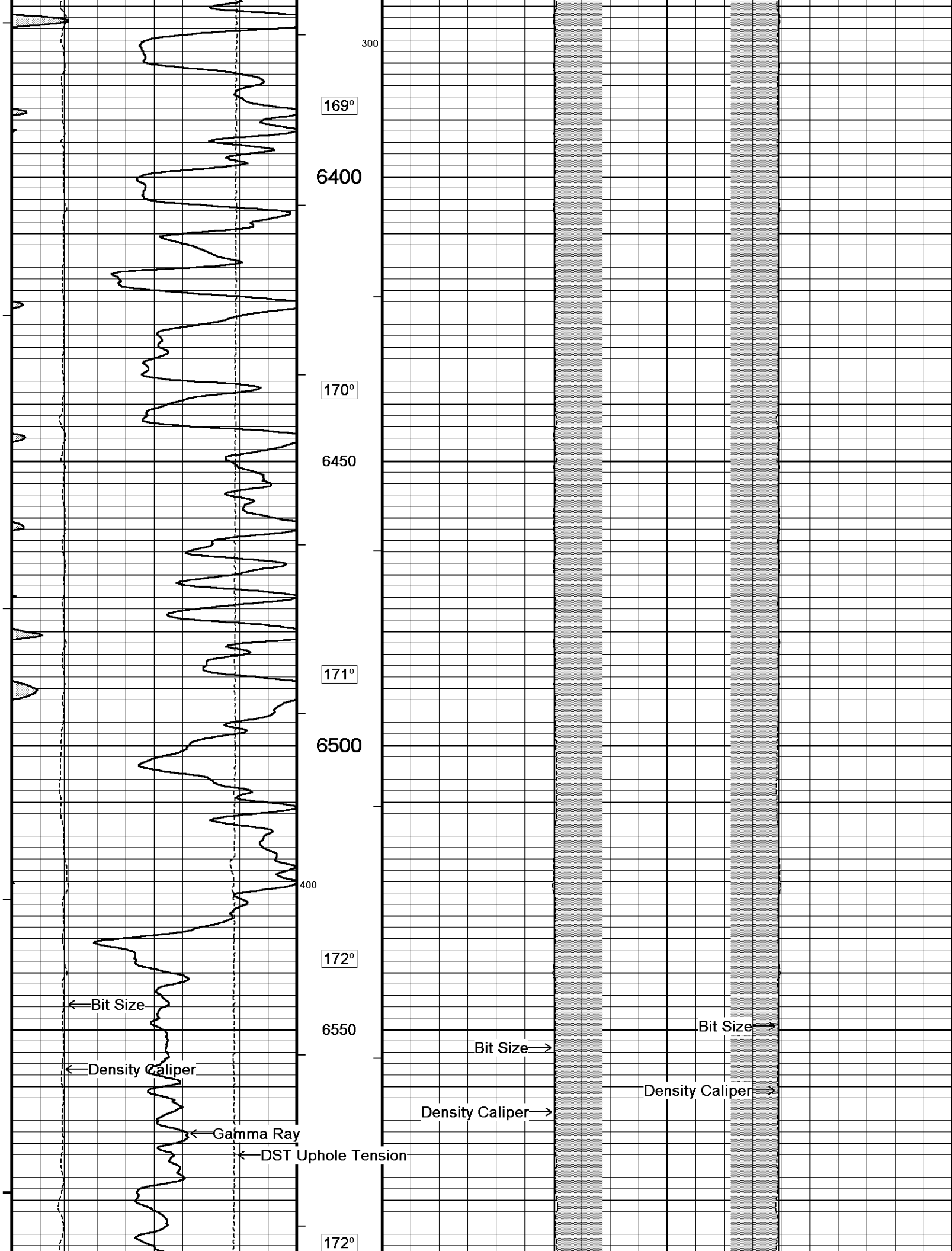


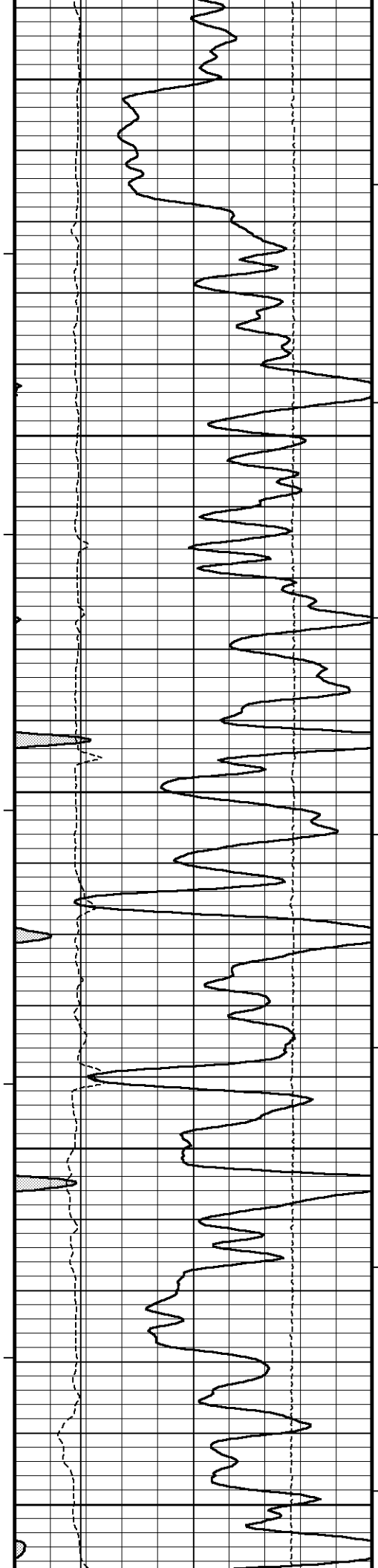












6600

173°

6650

174°

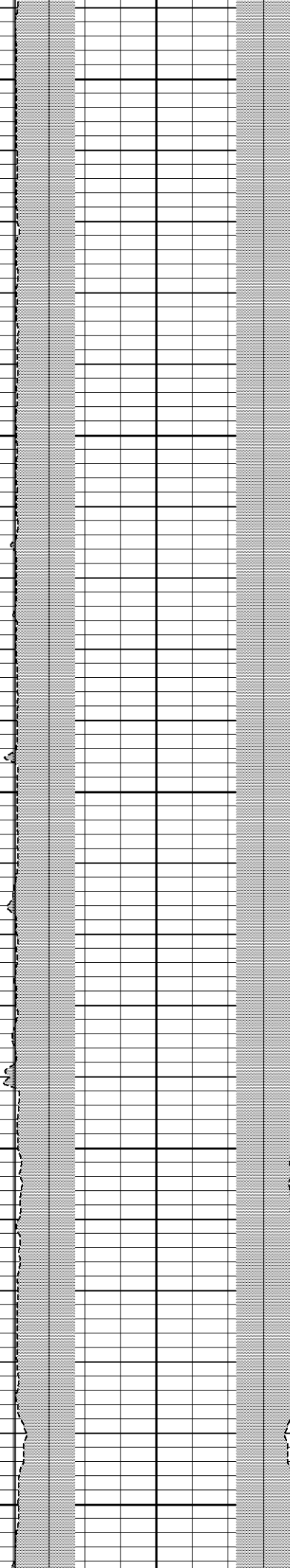
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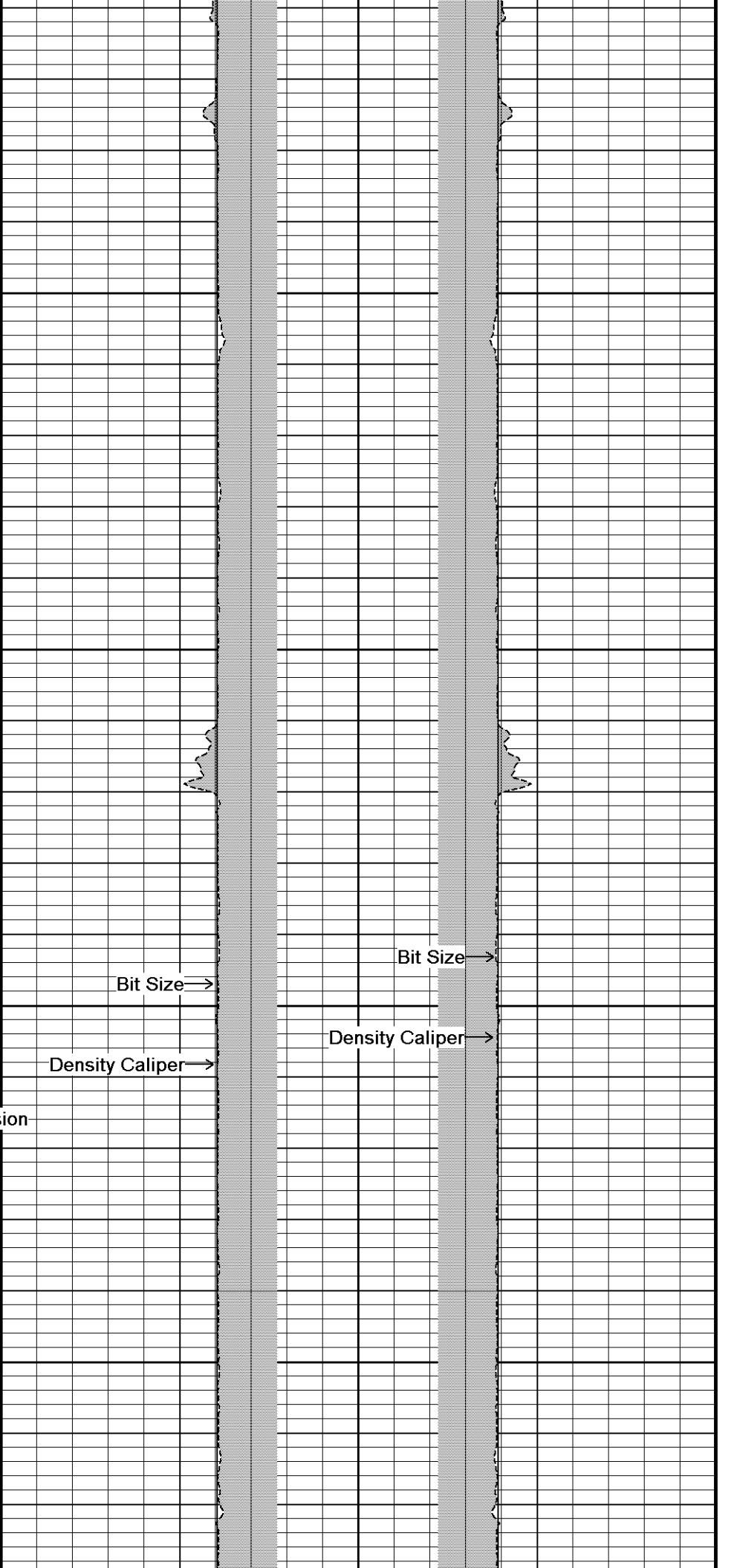
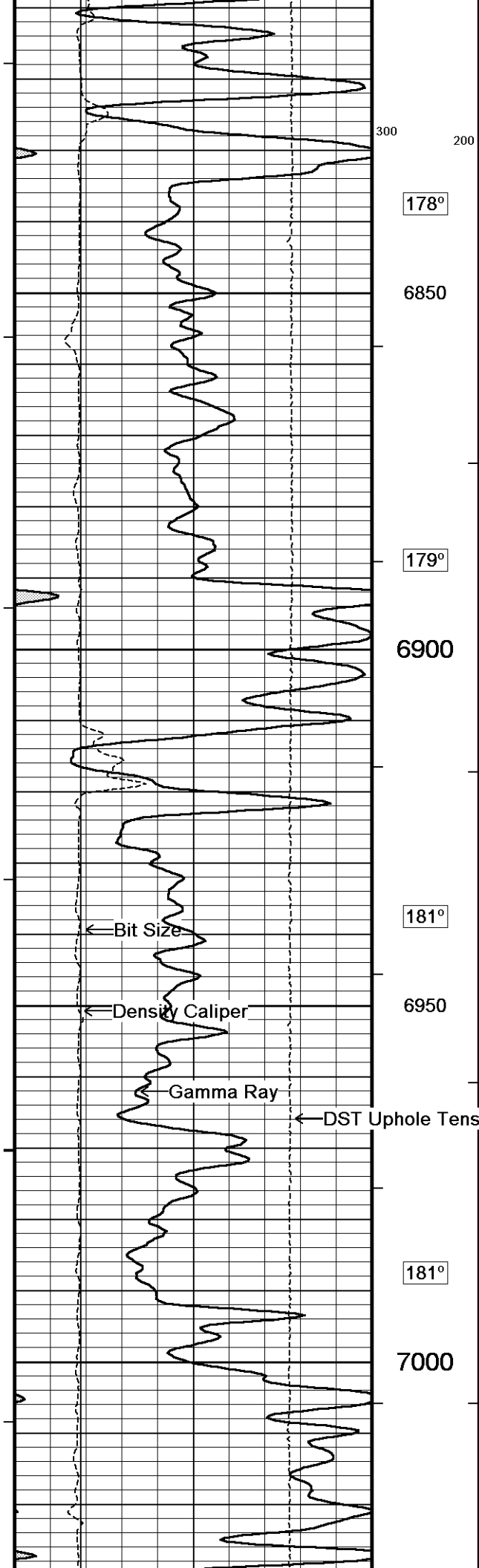
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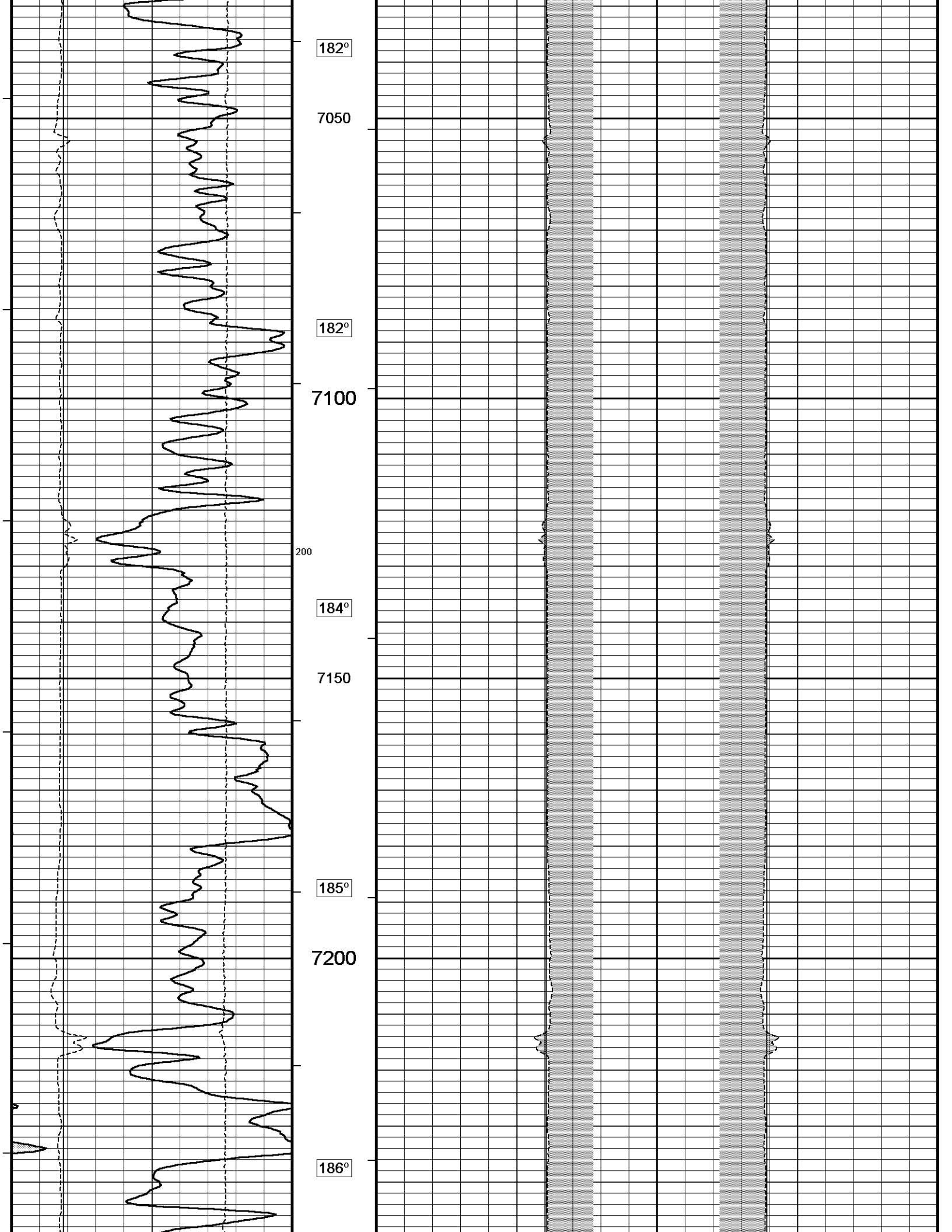
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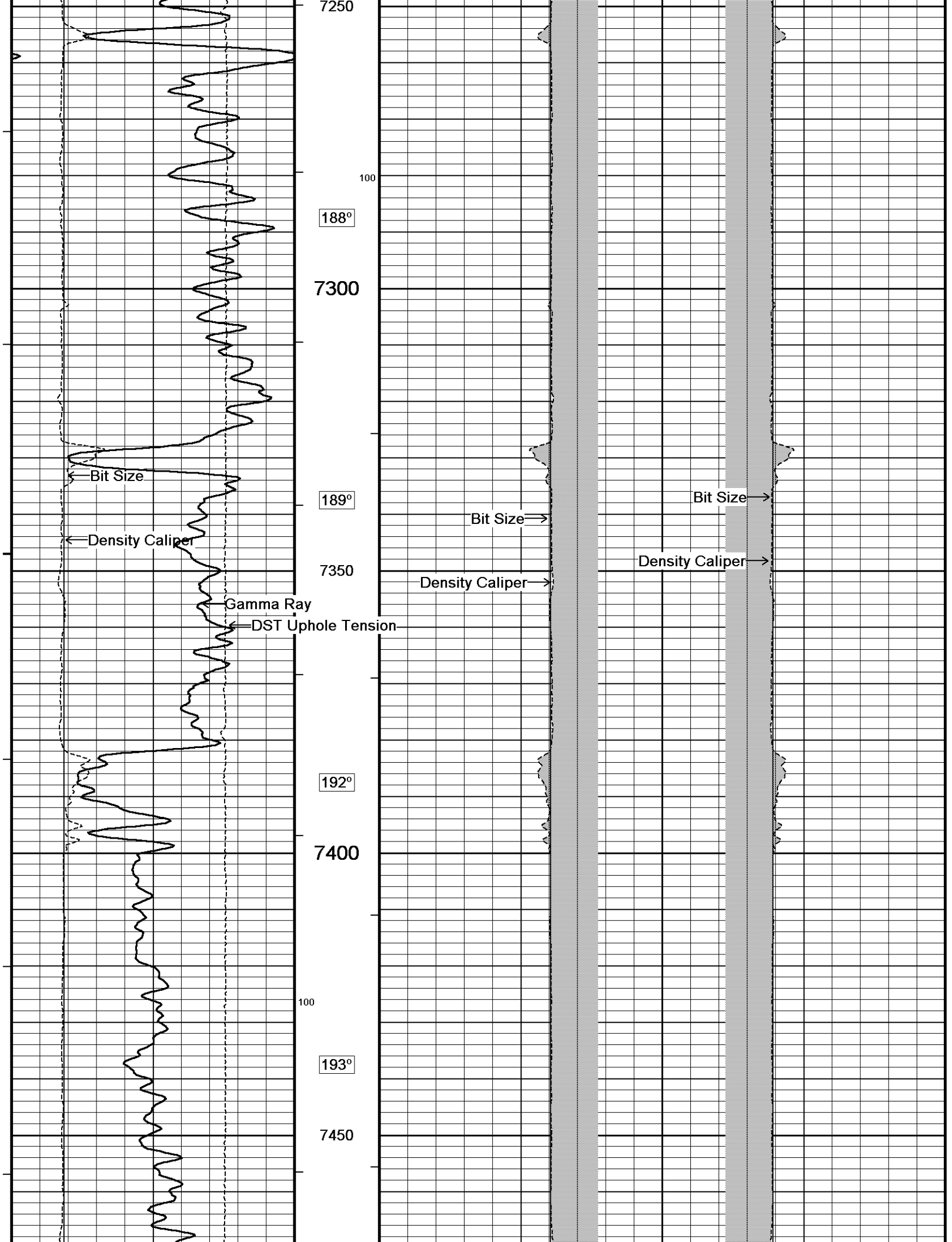
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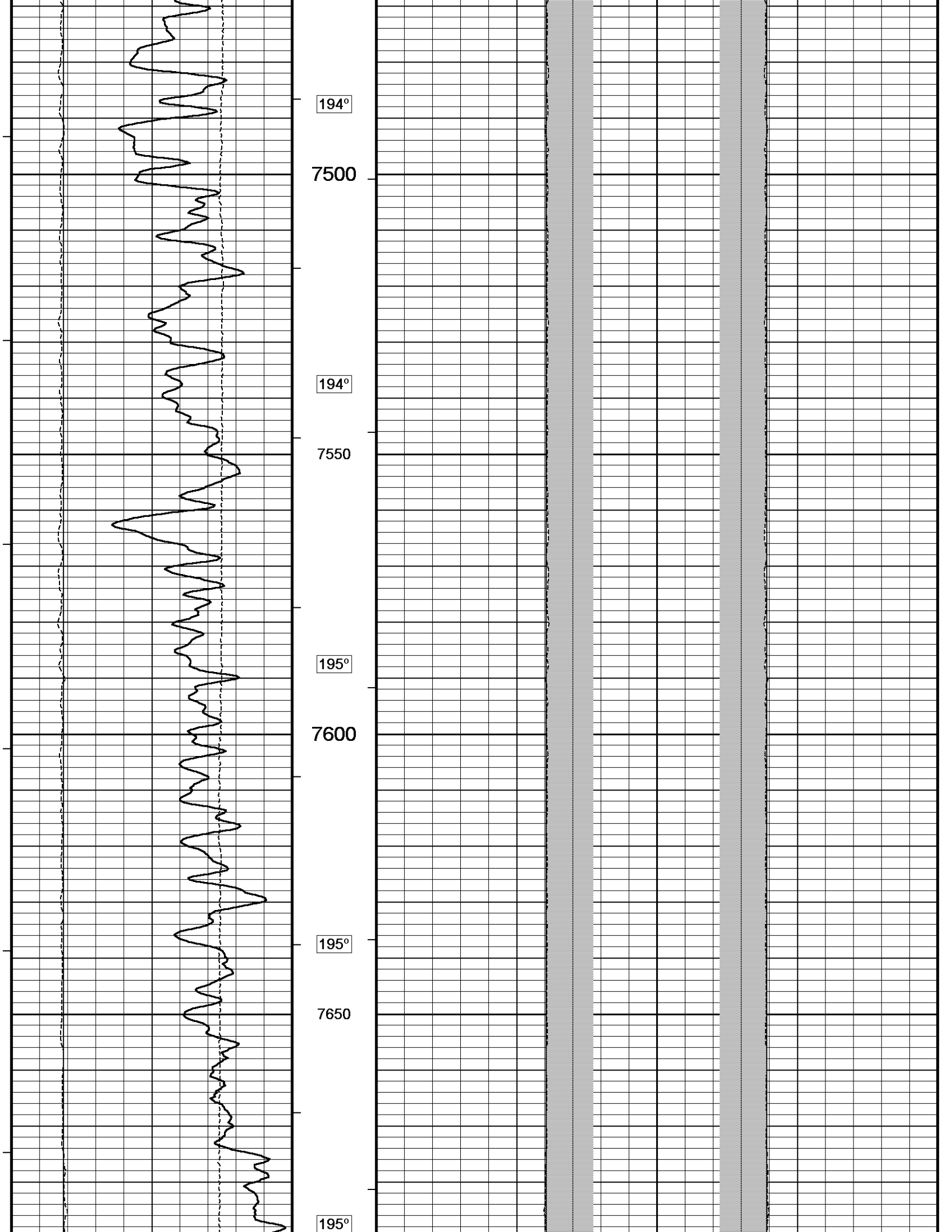
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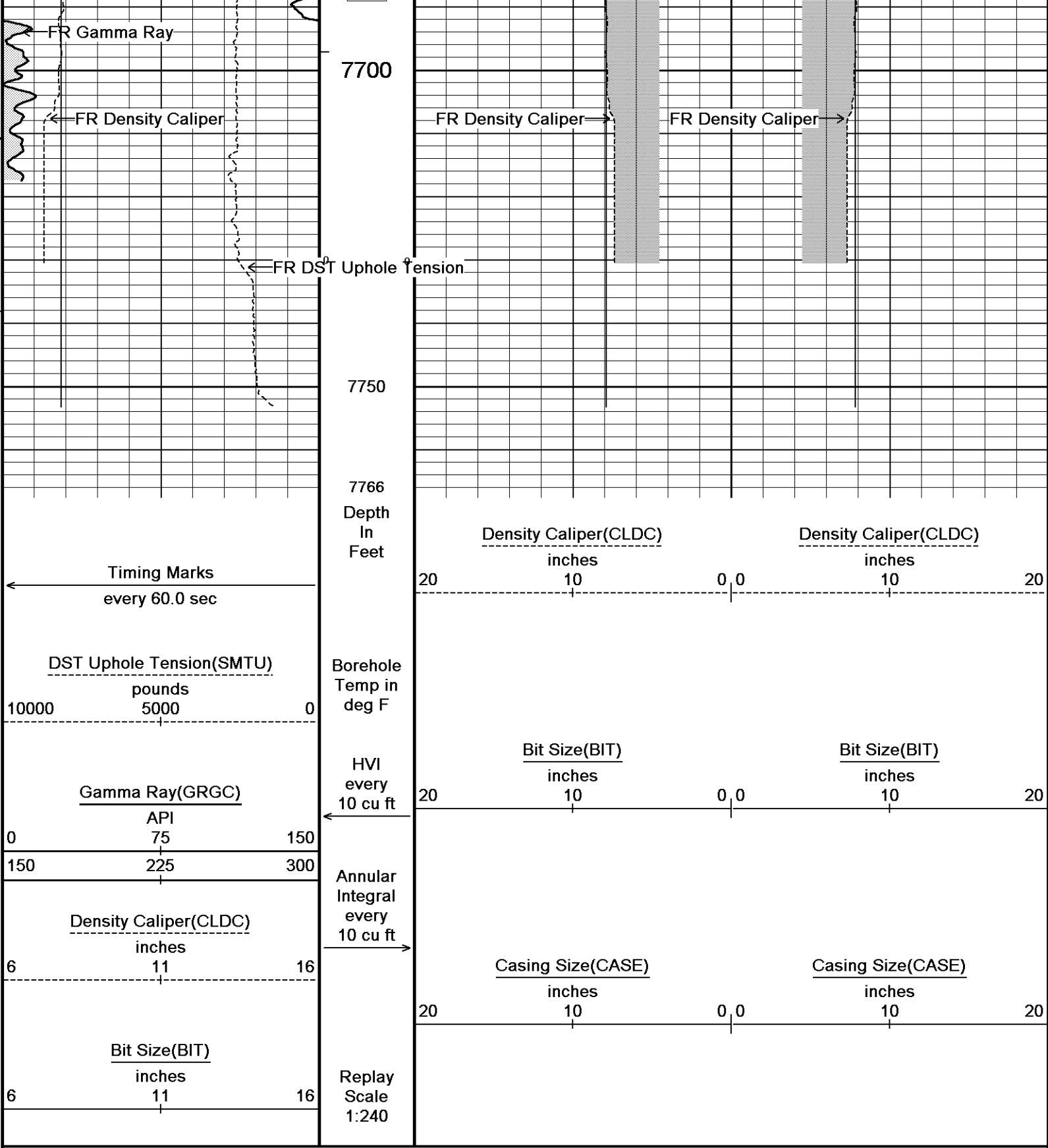












Depth Based Data - Maximum Sampling Increment 10.0cm
Filename: C:\LOGS\GJ11-118\main2.dta
System Versions: Logged with 11.03.3657 Processed with 11.03.3657 Plotted with 11.02.3186

Plotted on 14-JUL-2011 10:25
Recorded on 12-JUL-2011 13:34

5 INCH MAIN LOG

DOWNHOLE EQUIPMENT

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-F Compact Swivel Head Adaptor

SHA-F 82 LG: 2.74 ft WT: 26.5 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

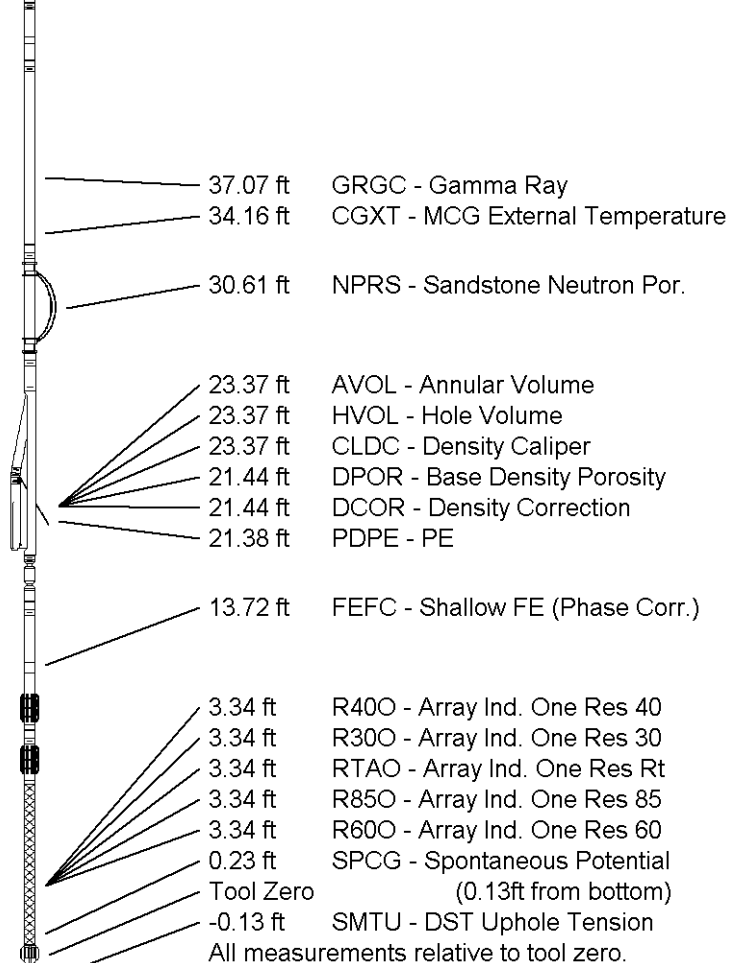
Compact Focussed Electric

MFE-A.A 85 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: 46.67 ft Weight: 368.2 lb



COMPANY	BILL BARRETT CORPORATION
WELL	KAUFMAN 22C-25-692
FIELD	MAMM CREEK
PROVINCE/COUNTY	GARFIELD
COUNTRY/STATE	U.S.A. / COLORADO

Elevation Kelly Bushing	5945.00	feet	First Reading	7708.00	
Elevation Drill Floor	5944.00	feet	Depth Driller	7732.00	feet
Elevation Ground Level	5922.00	feet	Depth Logger	7731.00	feet



Weatherford®

HOLE VOLUME
CALIPER LOG

