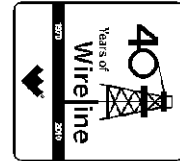




Weatherford[®]

**HOLE VOLUME
CALIPER LOG**

COMPANY **BILL BARRETT CORPORATION**
WELL **GGU FEDERAL 34A-20-691**
FIELD **GIBSON GULCH**
PROVINCE/COUNTY **GARFIELD**
COUNTRY/STATE **U.S.A. / COLORADO**
LOCATION **SHL: 1212' FNL & 1338' FEL**
BHL: 165' FSL & 1990' FEL



SEC	TWP	RGE	Other Services
20	6S	91W	MPD/MDN MAI/MFE
API Number	05-045-19805		
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	28-FEB-2011		

Elevations:	feet
KB	6127.00
DF	6126.00
GL	6104.00

Run Number	ONE	
Depth Driller	7640.00	feet
Depth Logger	7642.00	feet
First Reading	7619.00	
Last Reading	764.00	
Casing Driller	764.00	feet
Casing Logger	764.00	feet
Bit Size	7.880	inches
Hole Fluid Type	LSND	
Density / Viscosity	10.80 lb/USg	55.00 CP
PH / Fluid Loss	10.00	5.60 ml/30Min
Sample Source	FLOW LINE	
Rm @ Measured Temp	3.50 @ 80.0	ohm-m
Rmf @ Measured Temp	2.80 @ 80.0	ohm-m
Rmc @ Measured Temp	4.20 @ 80.0	ohm-m
Source Rmf / Rmc	CALC	CALC
Rm @ BHT	1.63 @175.0	ohm-m
Time Since Circulation	6 HOURS	
Max Recorded Temp	175.00	deg F
Equipment Name	COMPACT	
Equipment / Base	13173	GJCT
Recorded By	J.GARCIA	
Witnessed By	C.CROW	

BOREHOLE RECORD

Last Edited: 28-FEB-2011 23:20

Bit Size inches	Depth From feet	Depth To feet
8.750	764.00	4258.00
7.880	4258.00	7640.00

CASING RECORD

Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE	9.625	0.00	764.00	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. = 8.99" (9 5/8", 36 LB/FT CASING)

8.75 INCH BIT USED FROM SURFACE CASING TO 4258 FT.

TOTAL HOLE VOLUME FROM TD TO SURFACE CASING = 2840 CU.FT.

ANNULAR VOLUME WITH 4.5 INCH PRODUCTION CASING = 2080 CU.FT.

LOG SPLICED AT 4050

ENGINEER(S): J.GARCIA

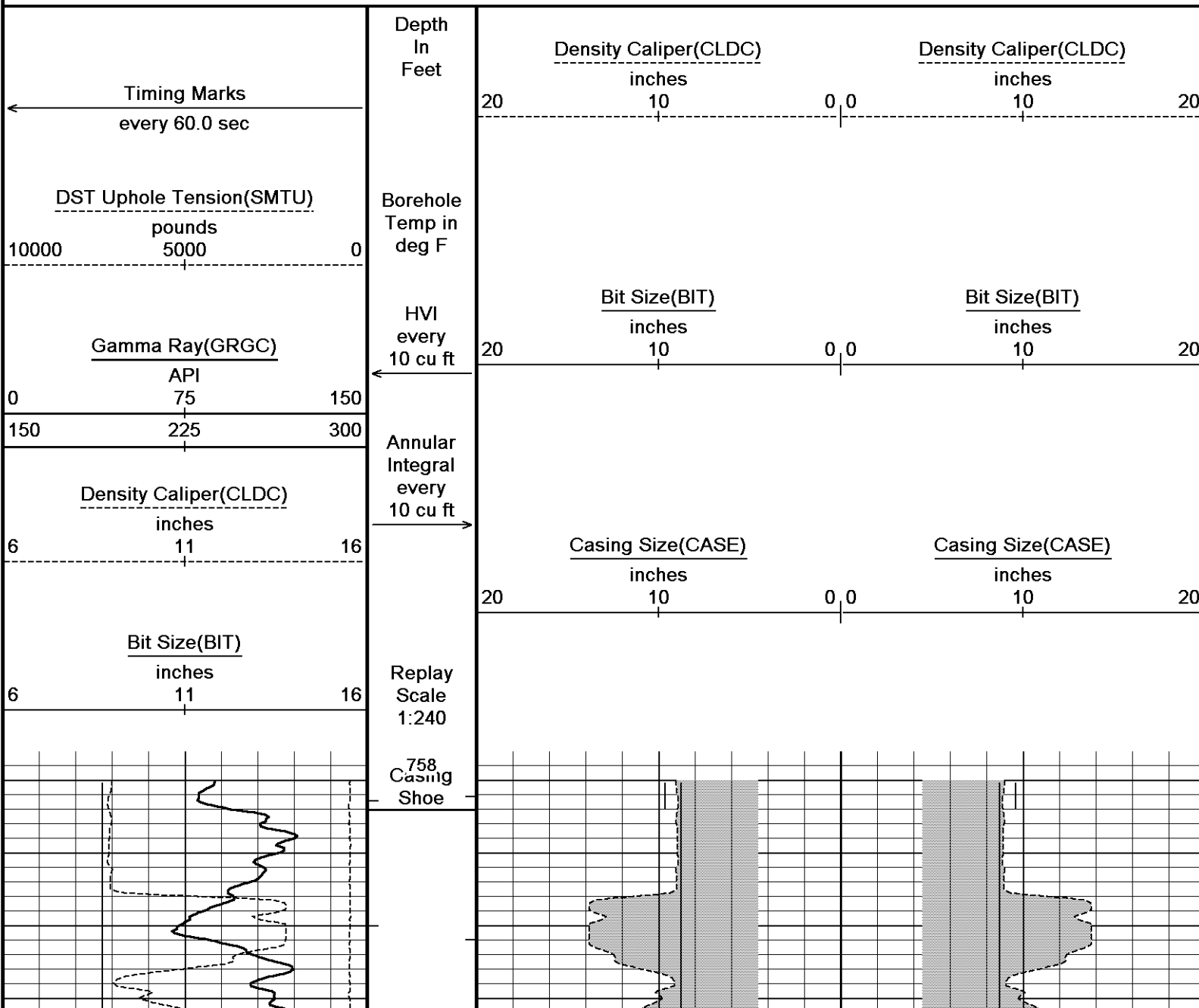
OPERATOR: D.DALEY, S.KAISER

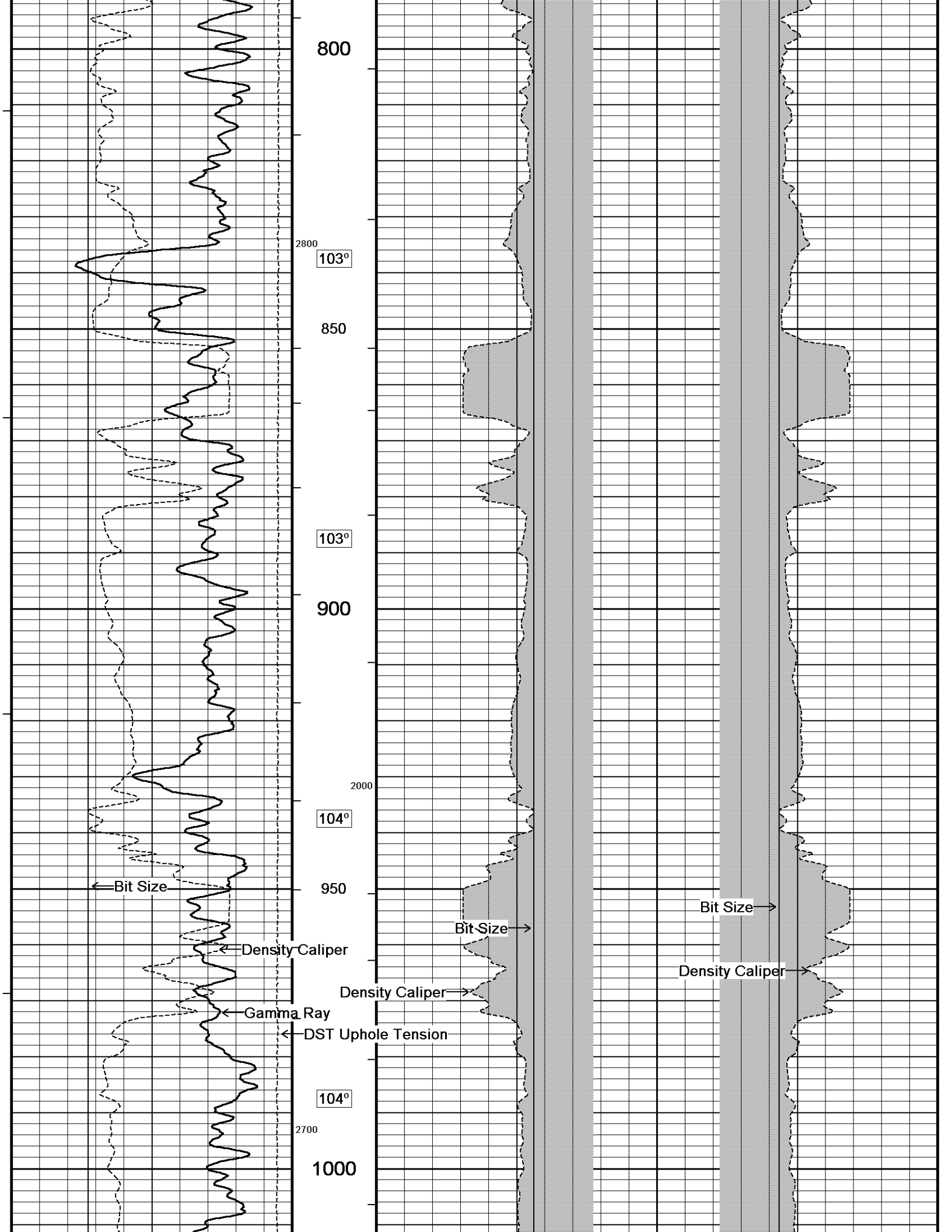
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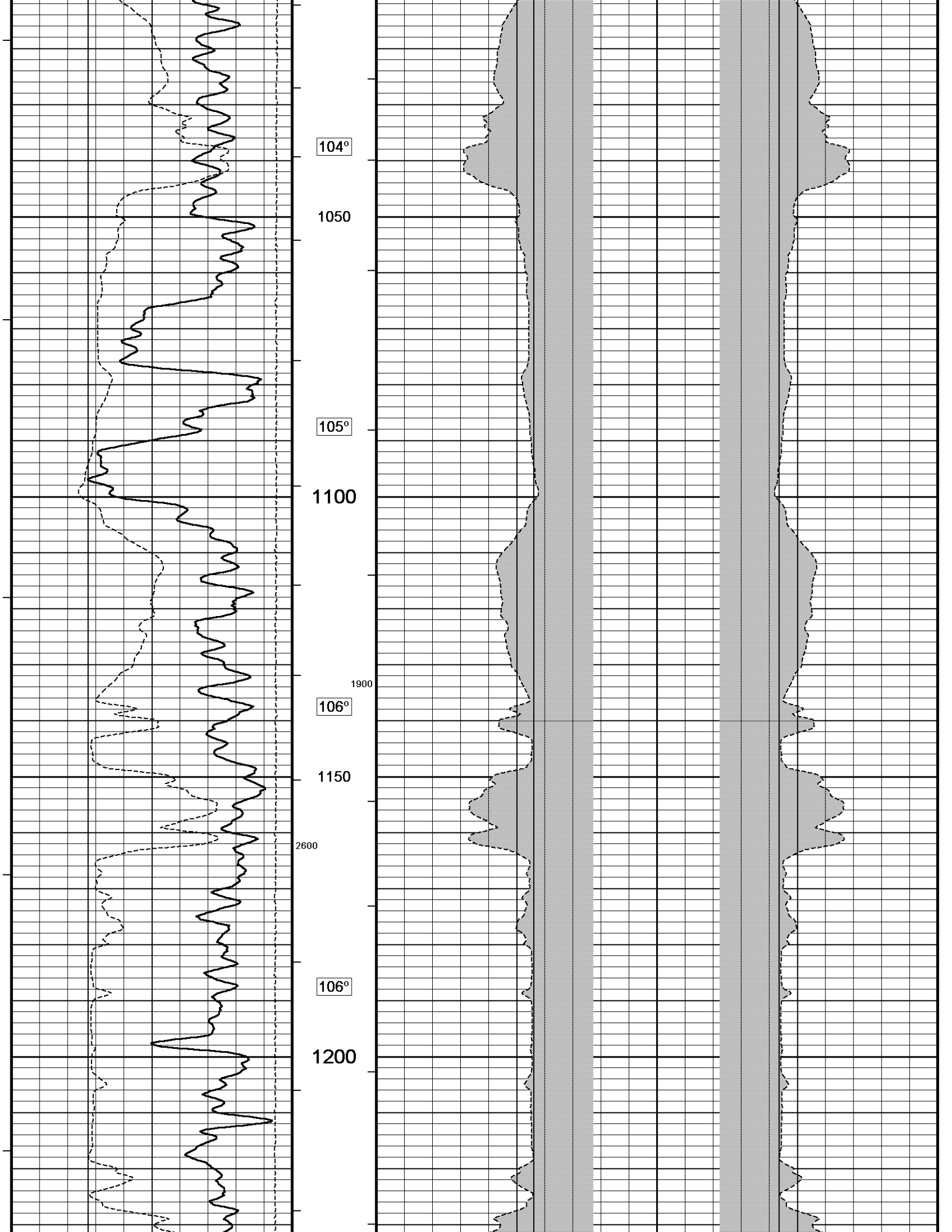
RIG: PATTERSON #307

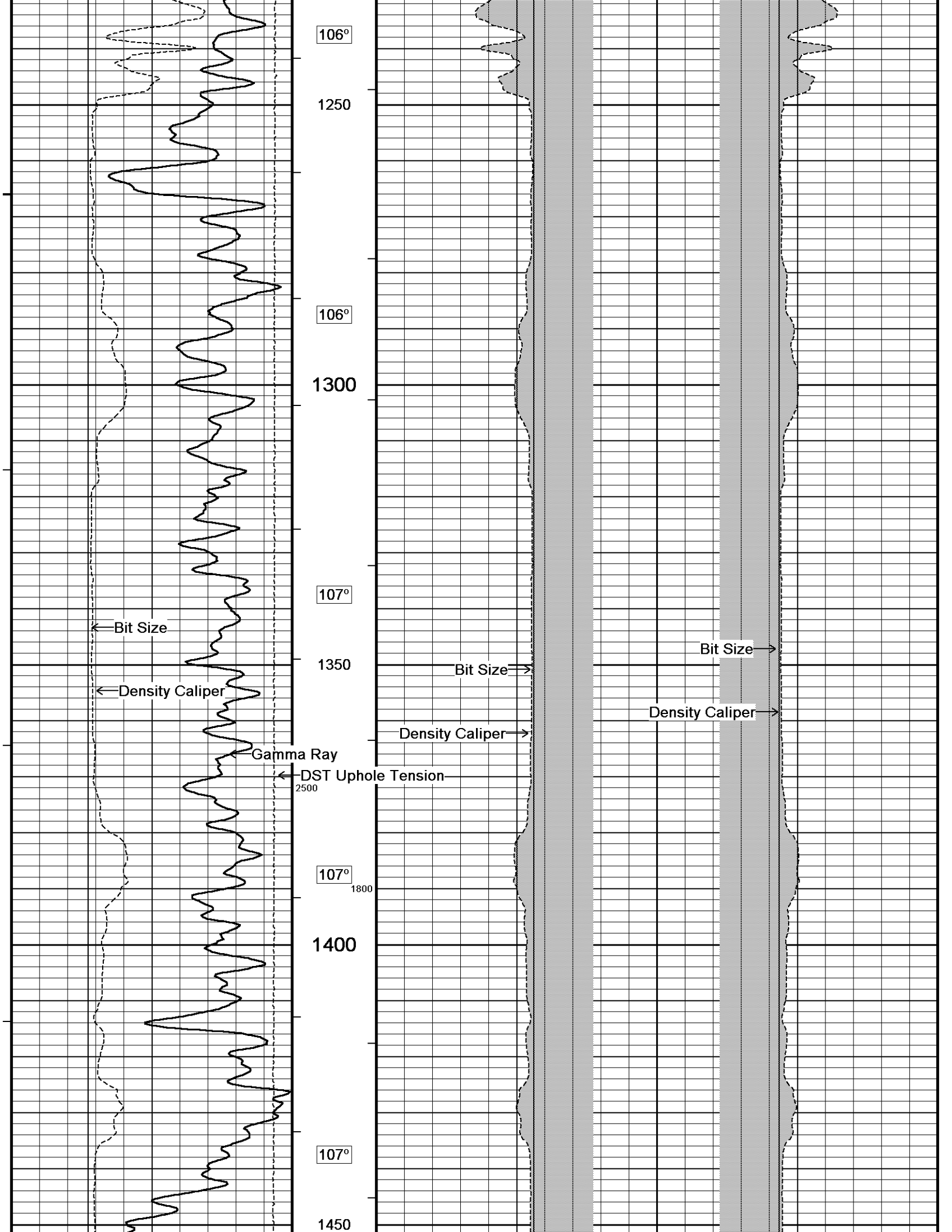
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs,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

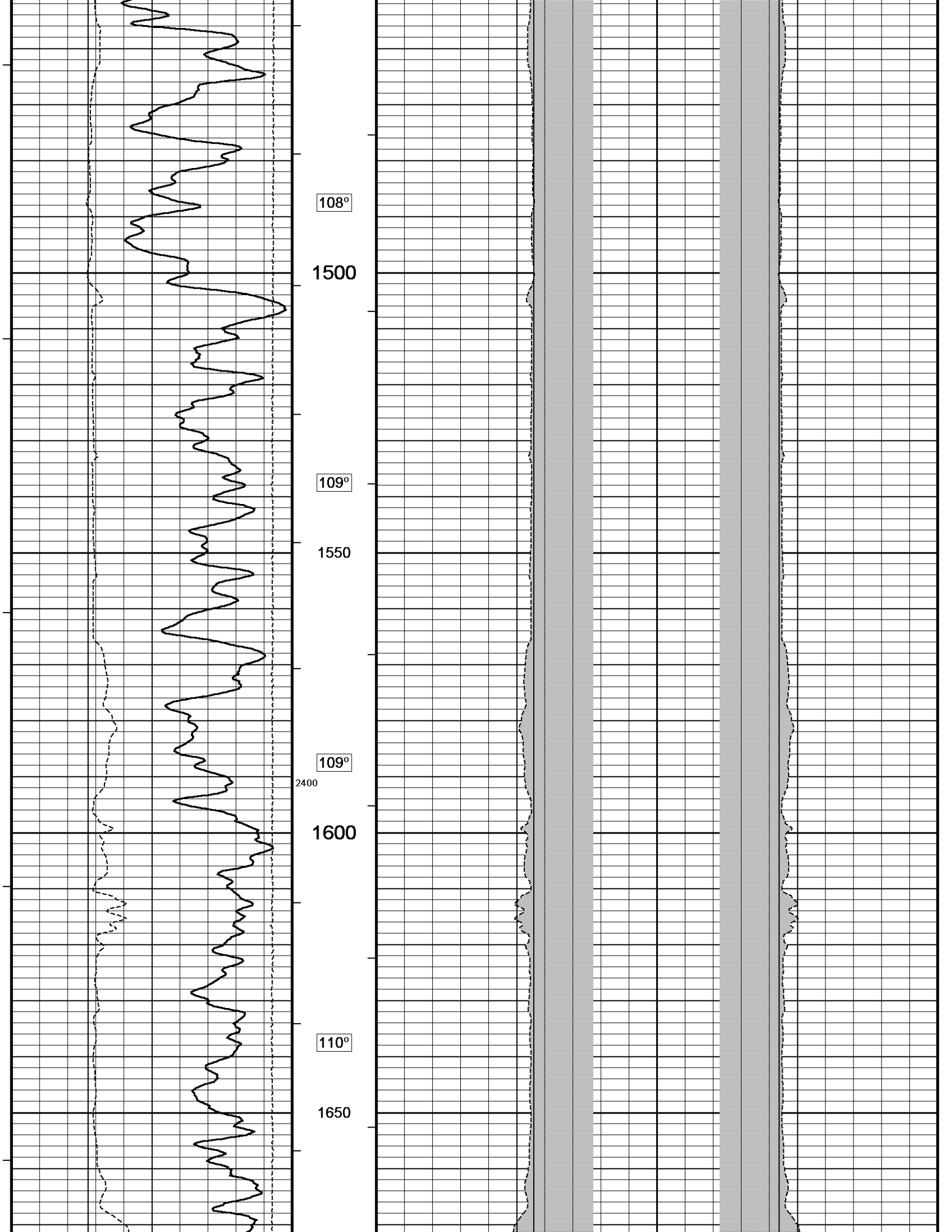
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 Recorded on 01-MAR-2011 11:46
 System Versions: Processed with 11.01.2198 Plotted with 11.01.2198

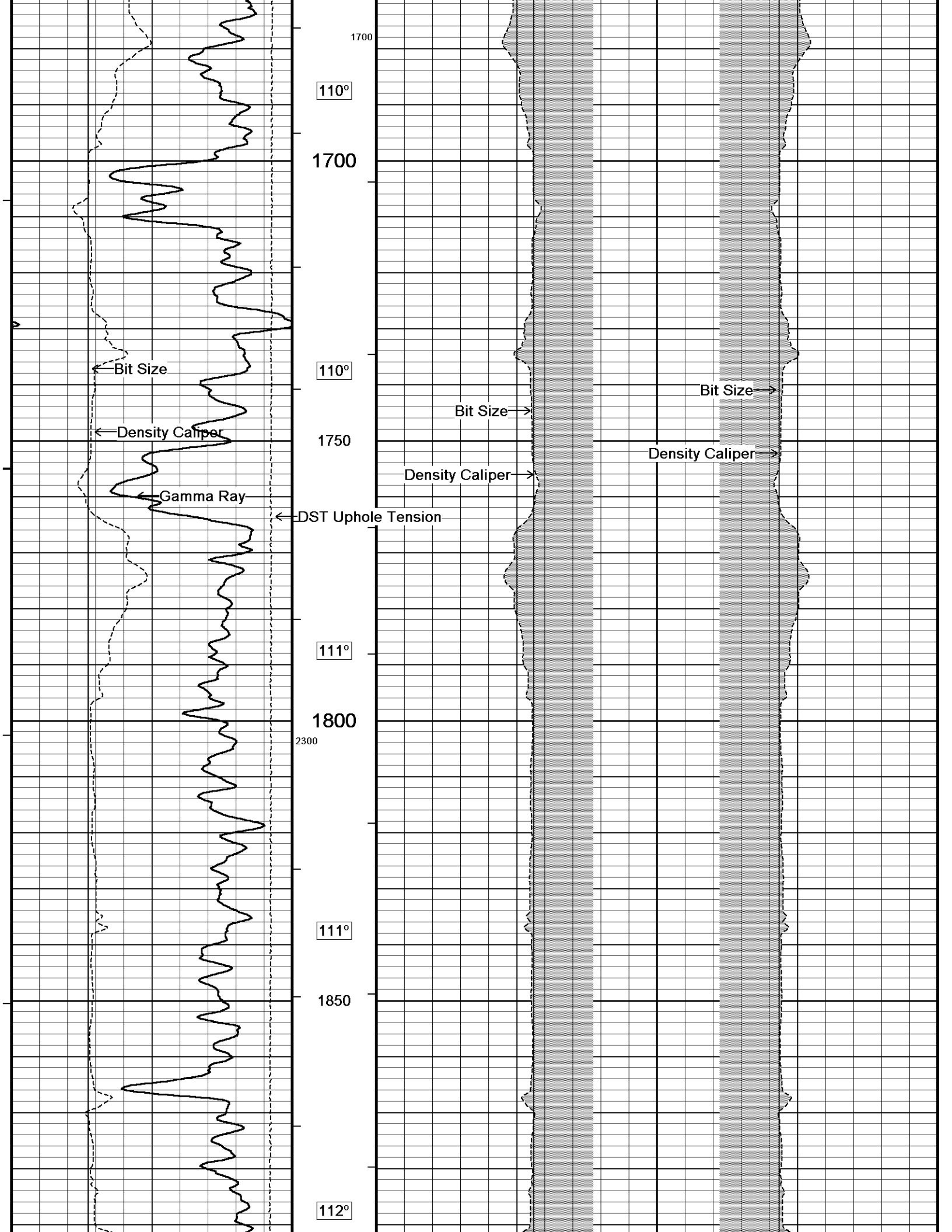


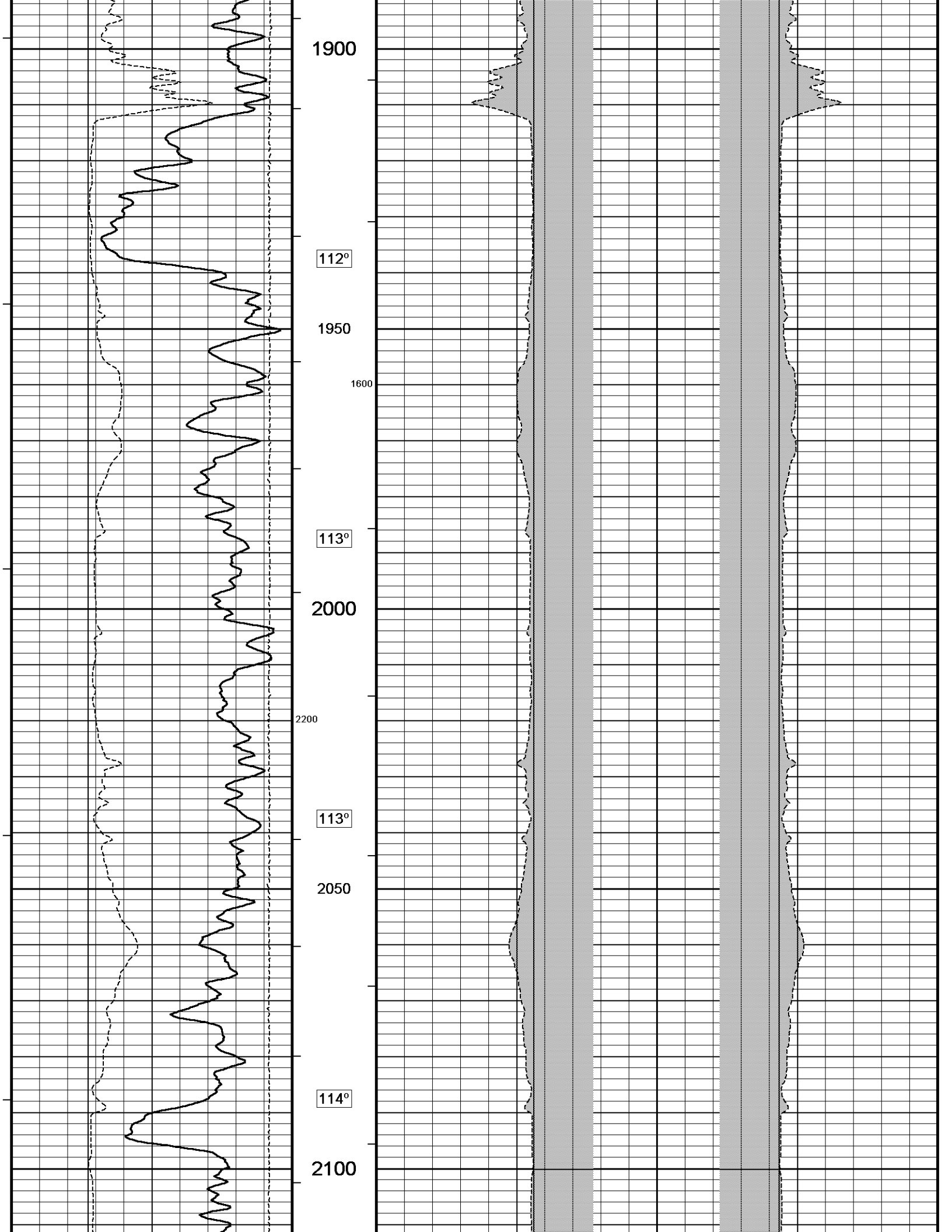


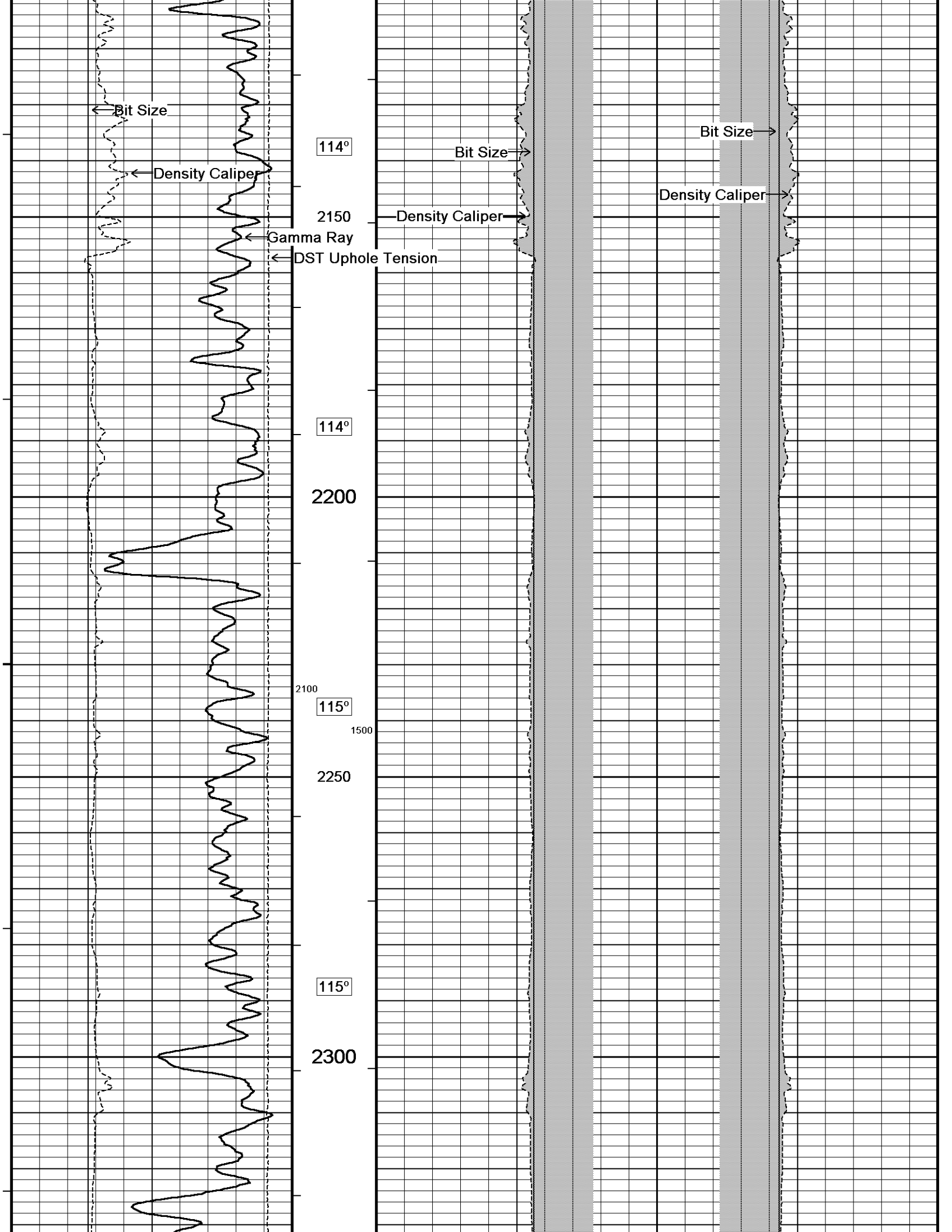


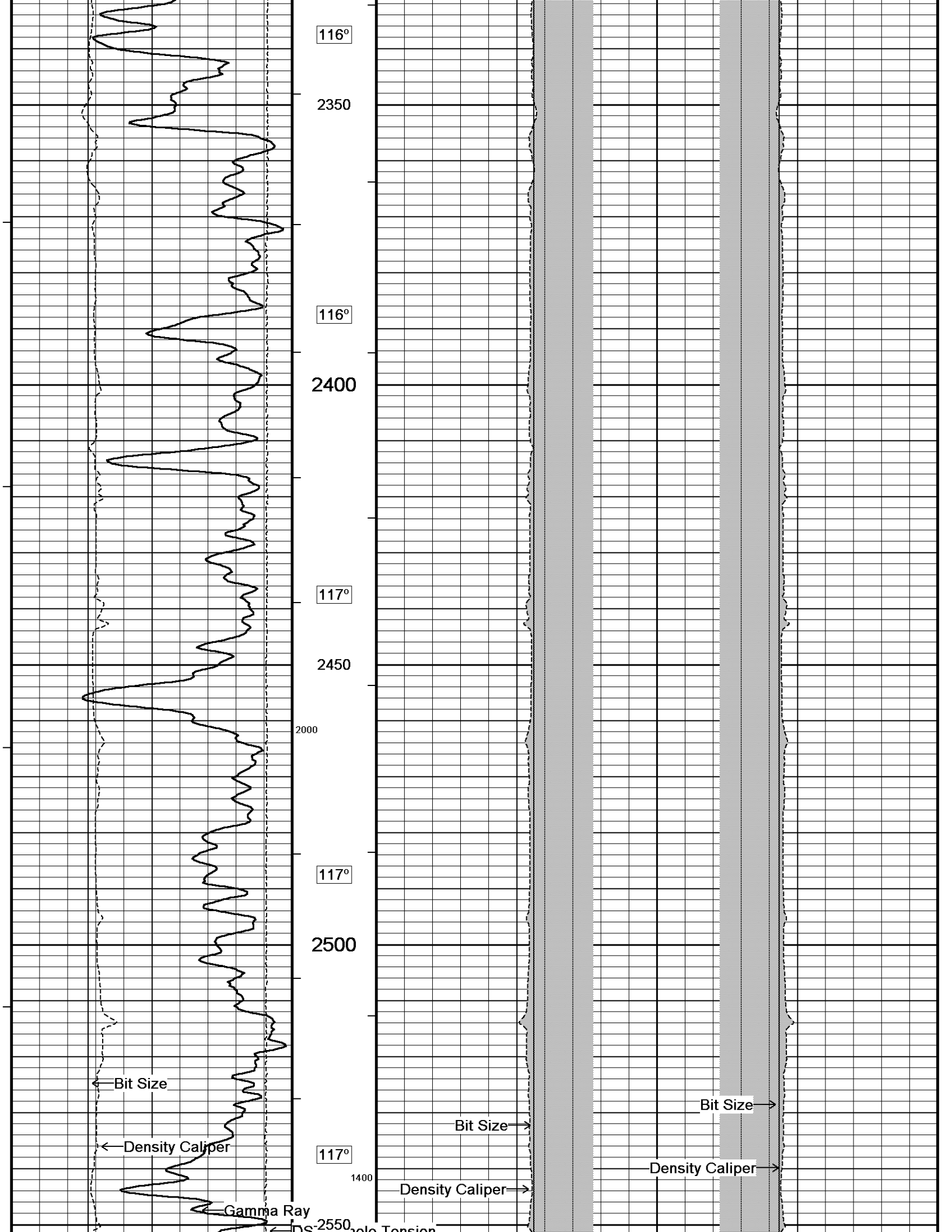




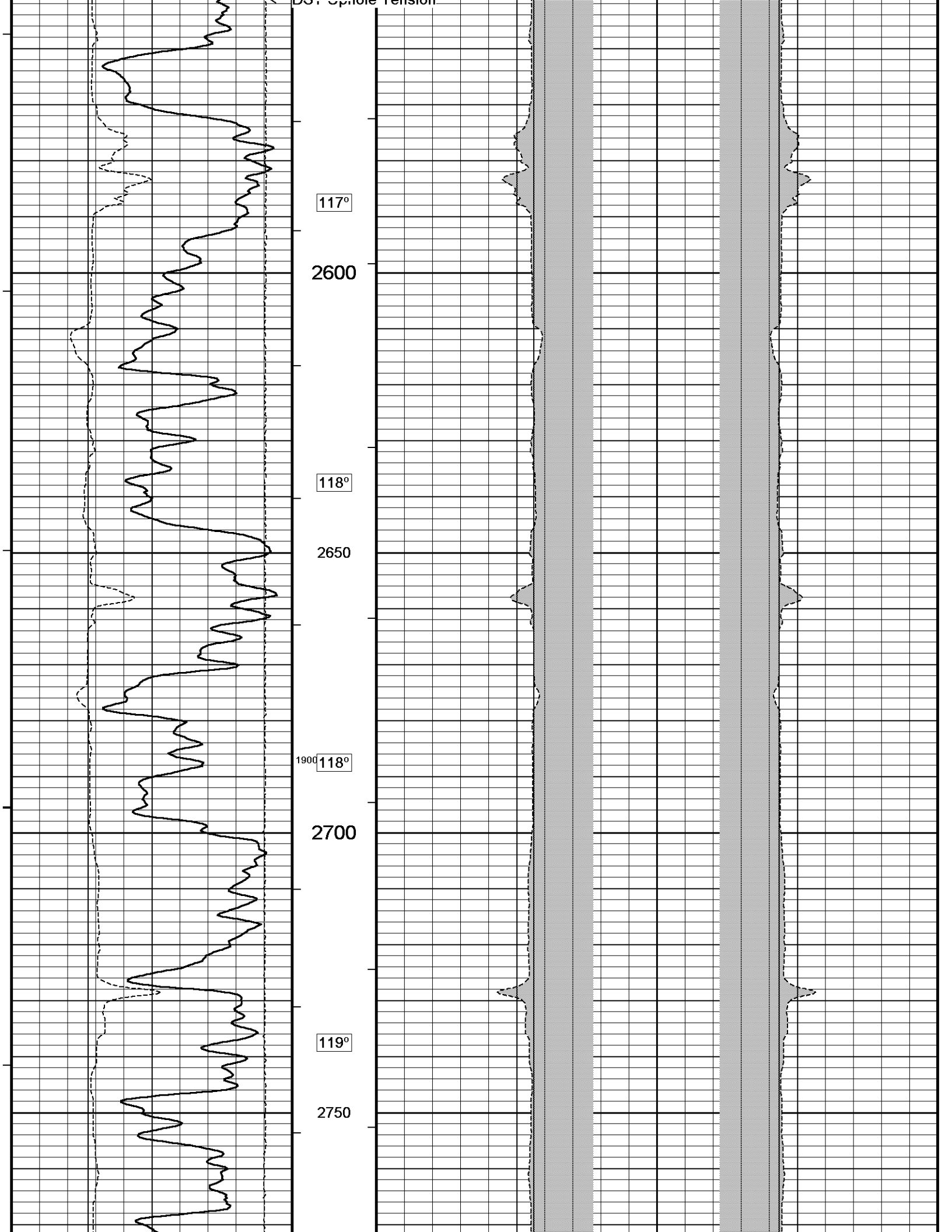


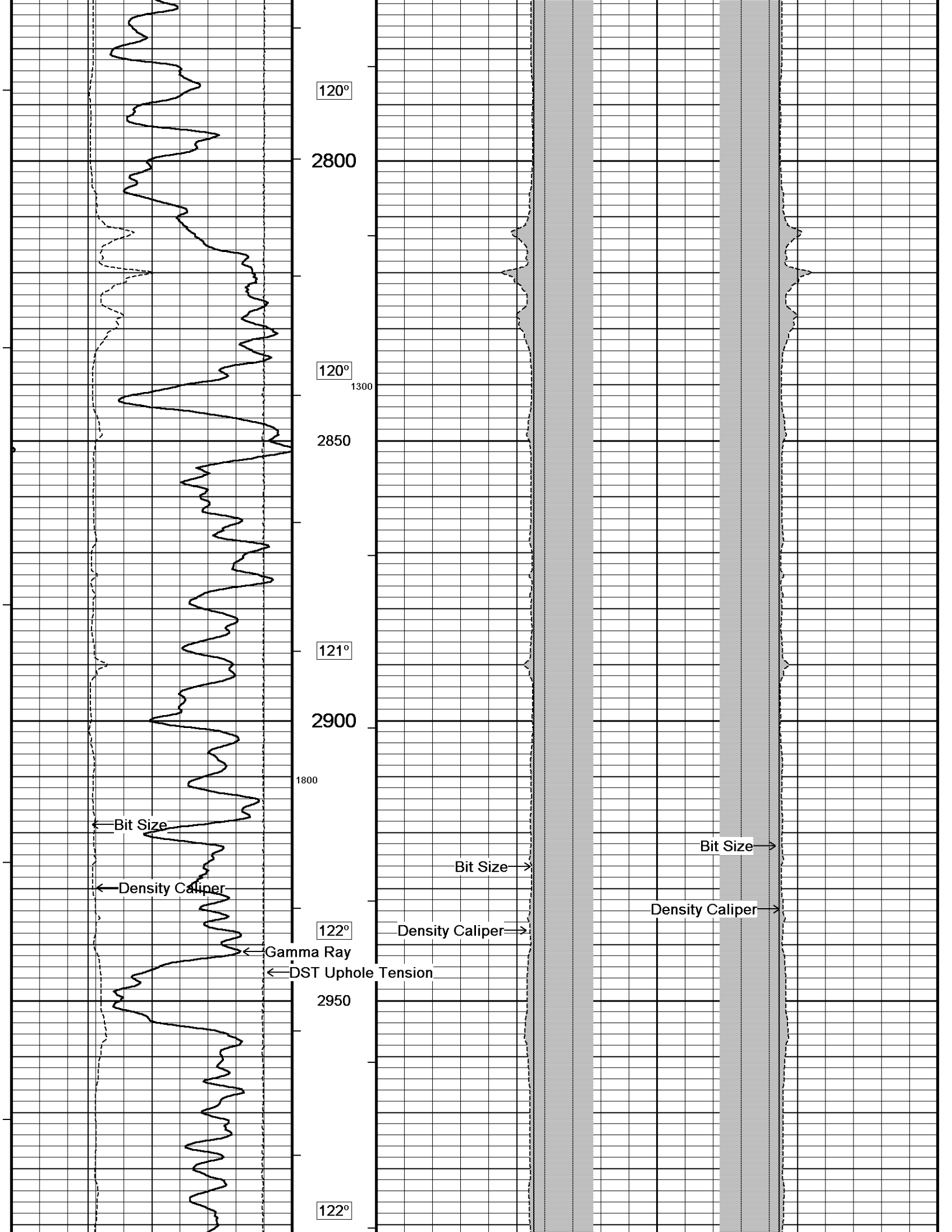


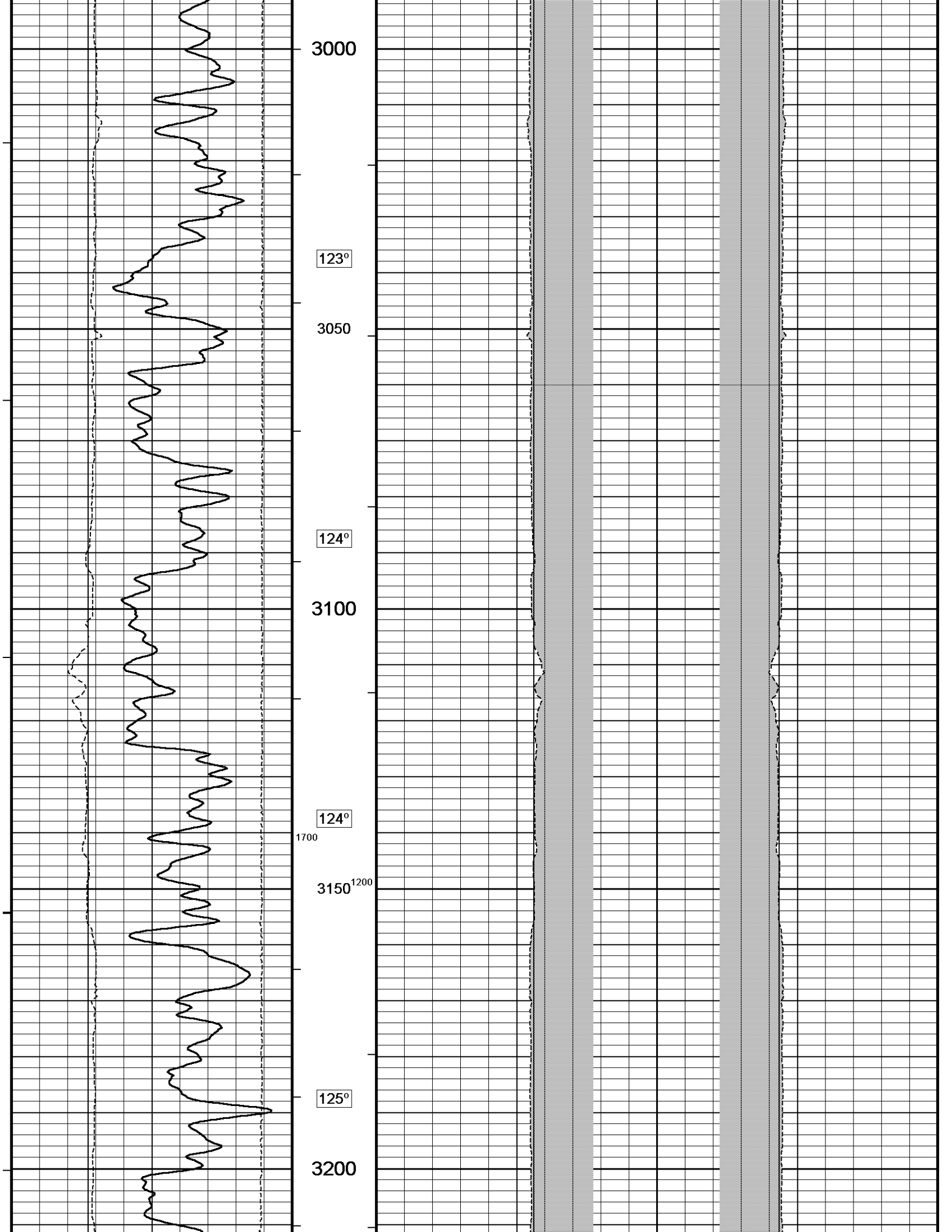


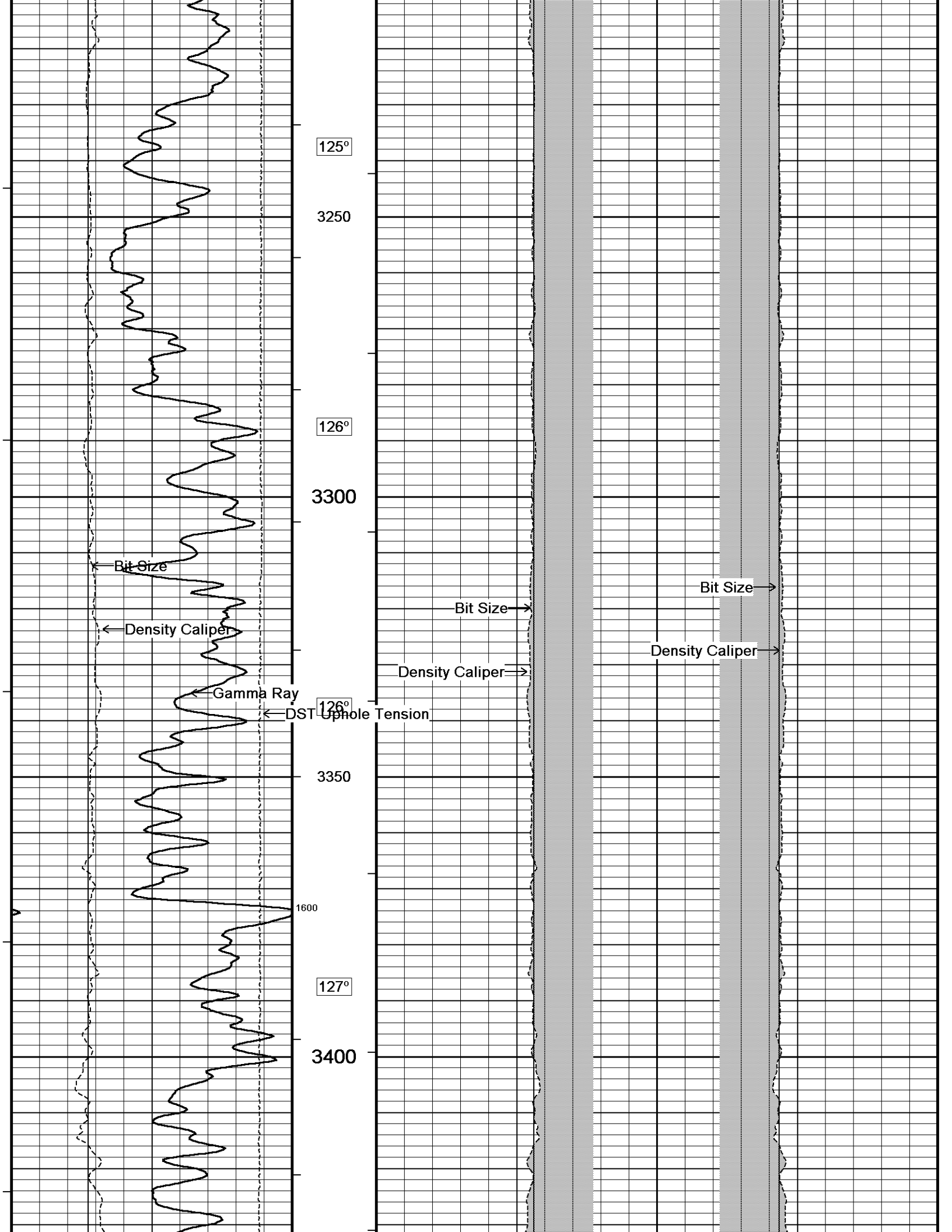


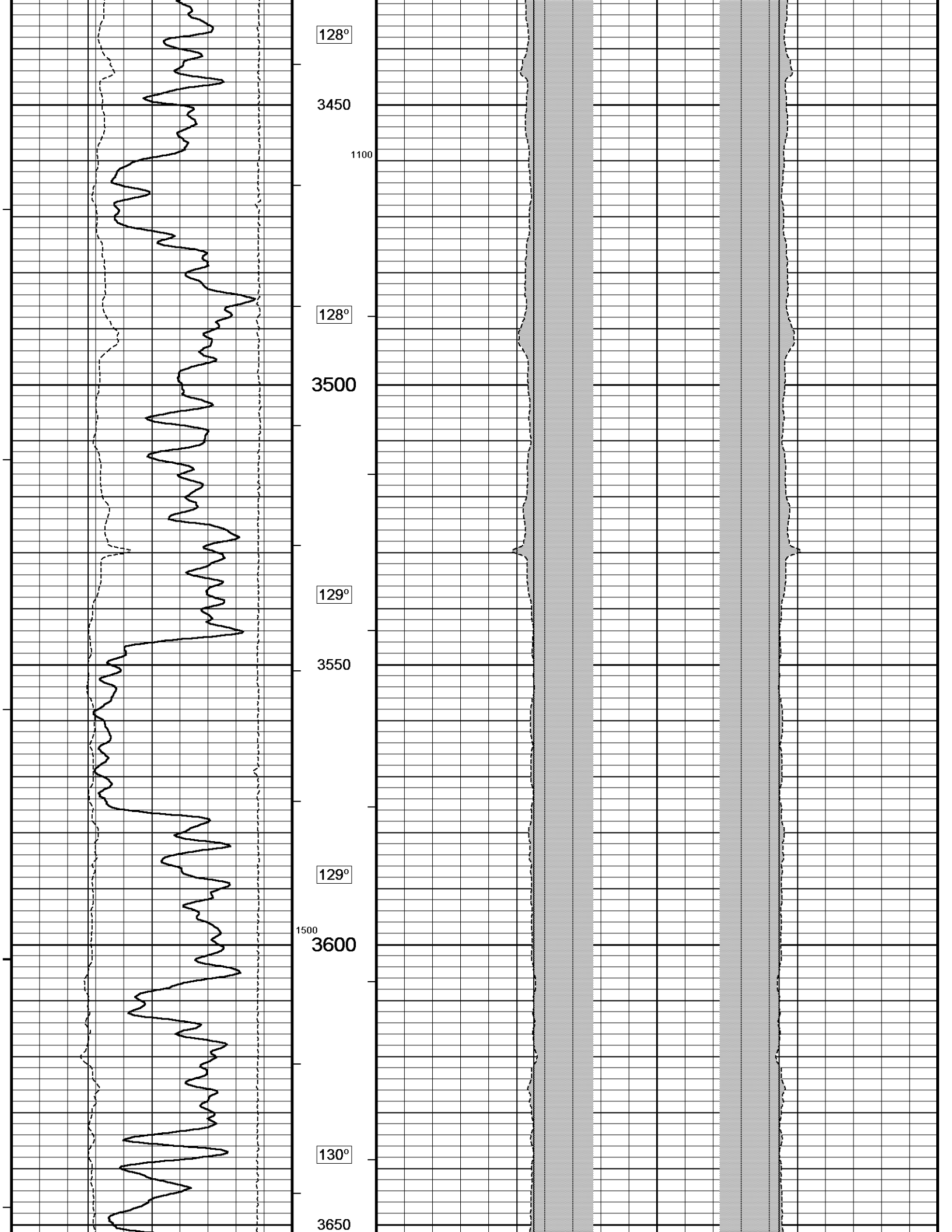
DS1 Opfile Tension

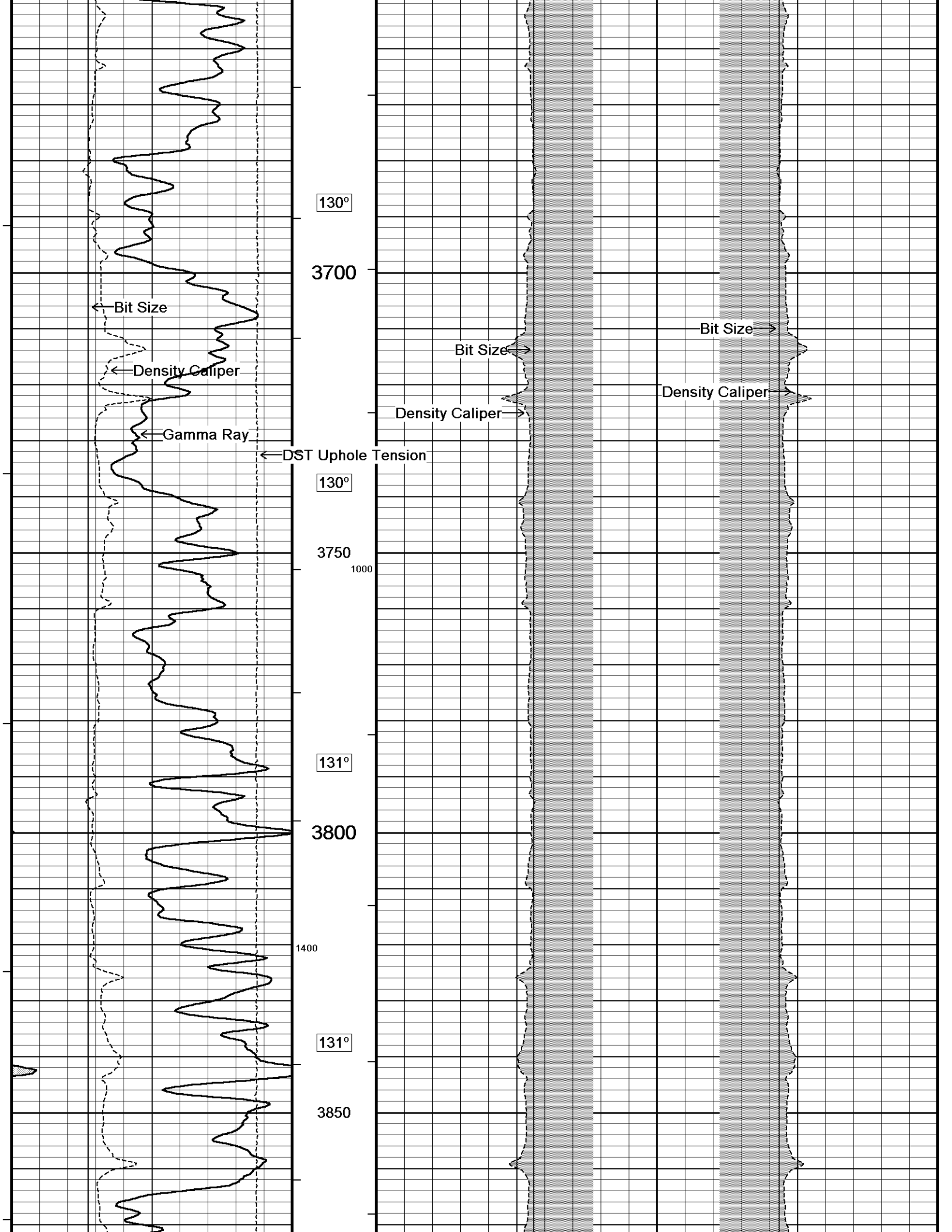


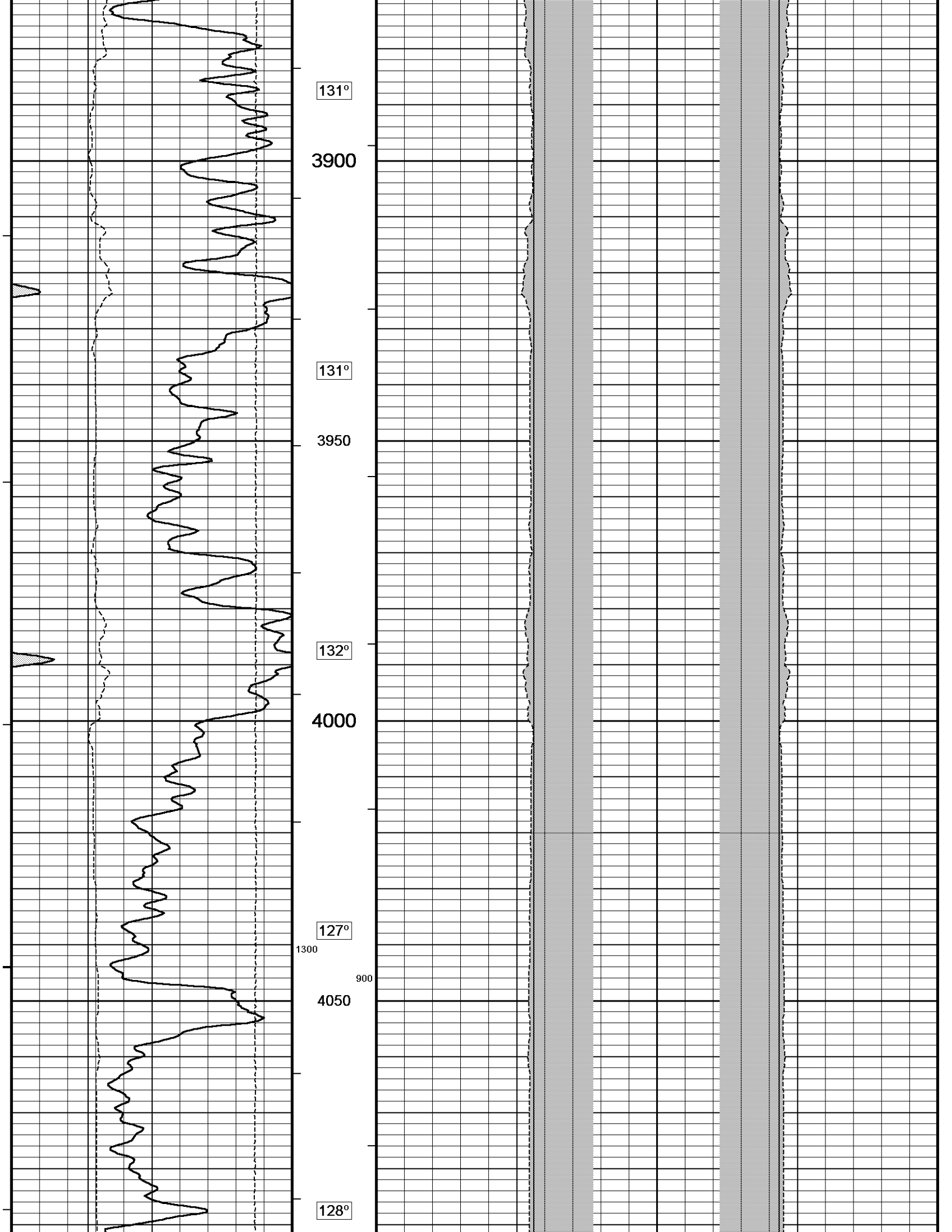


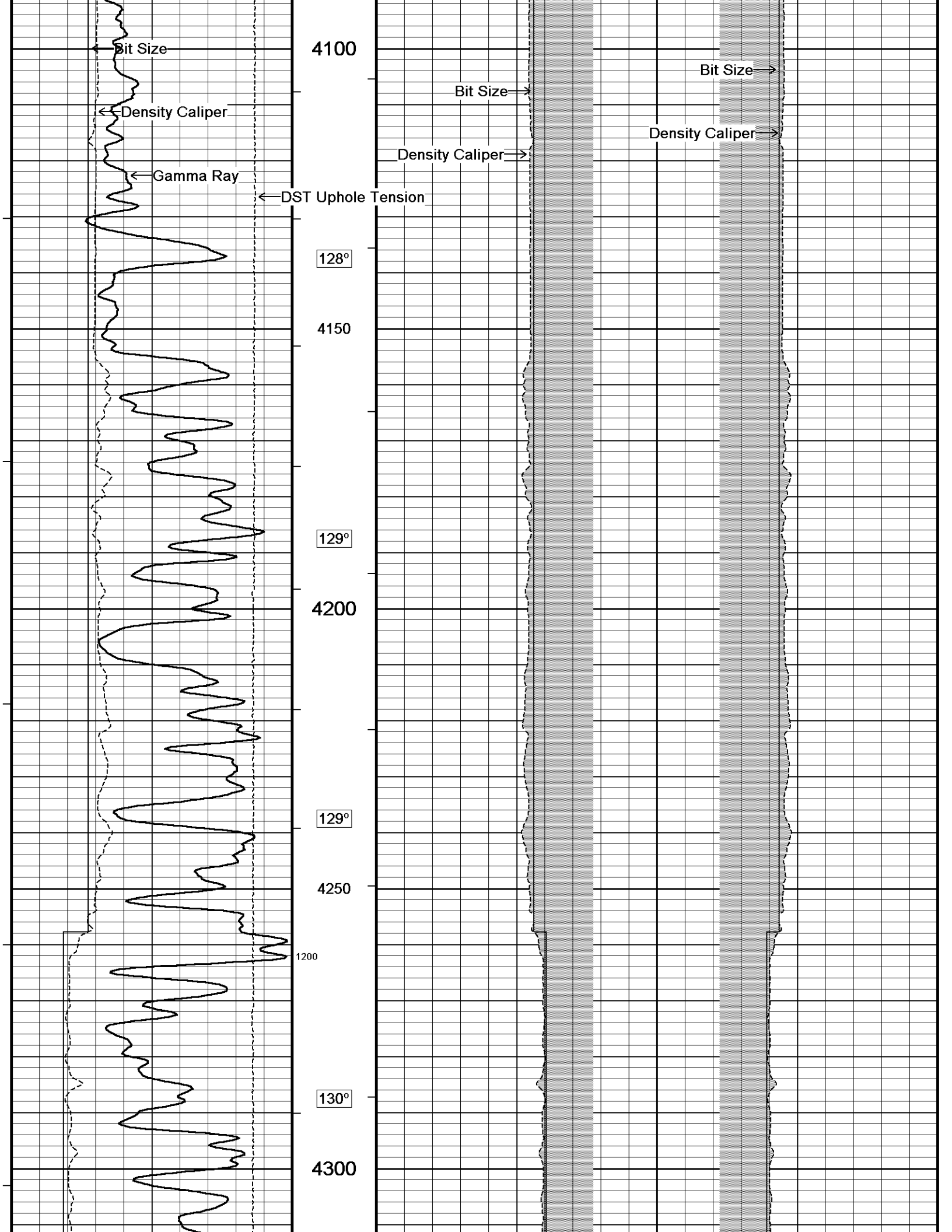


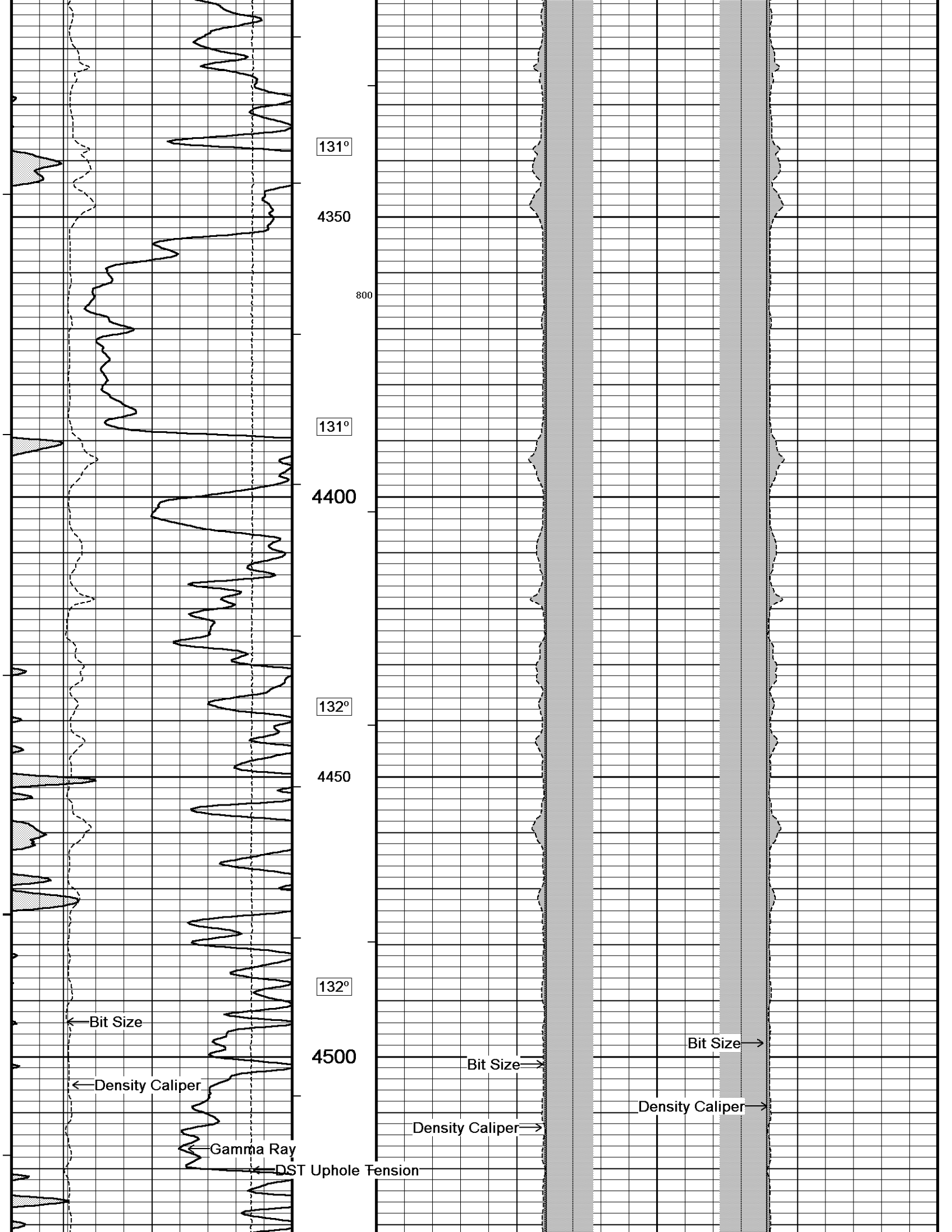


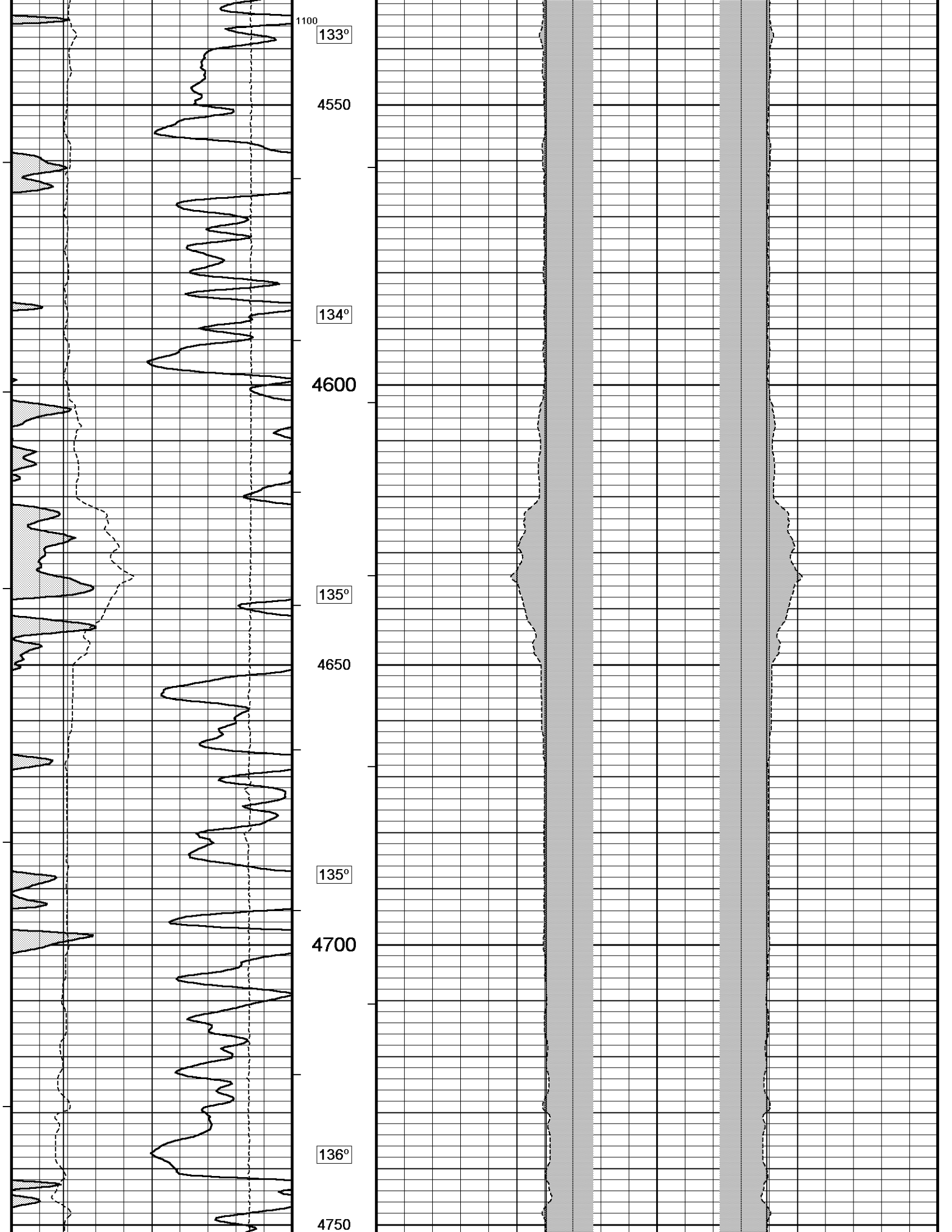


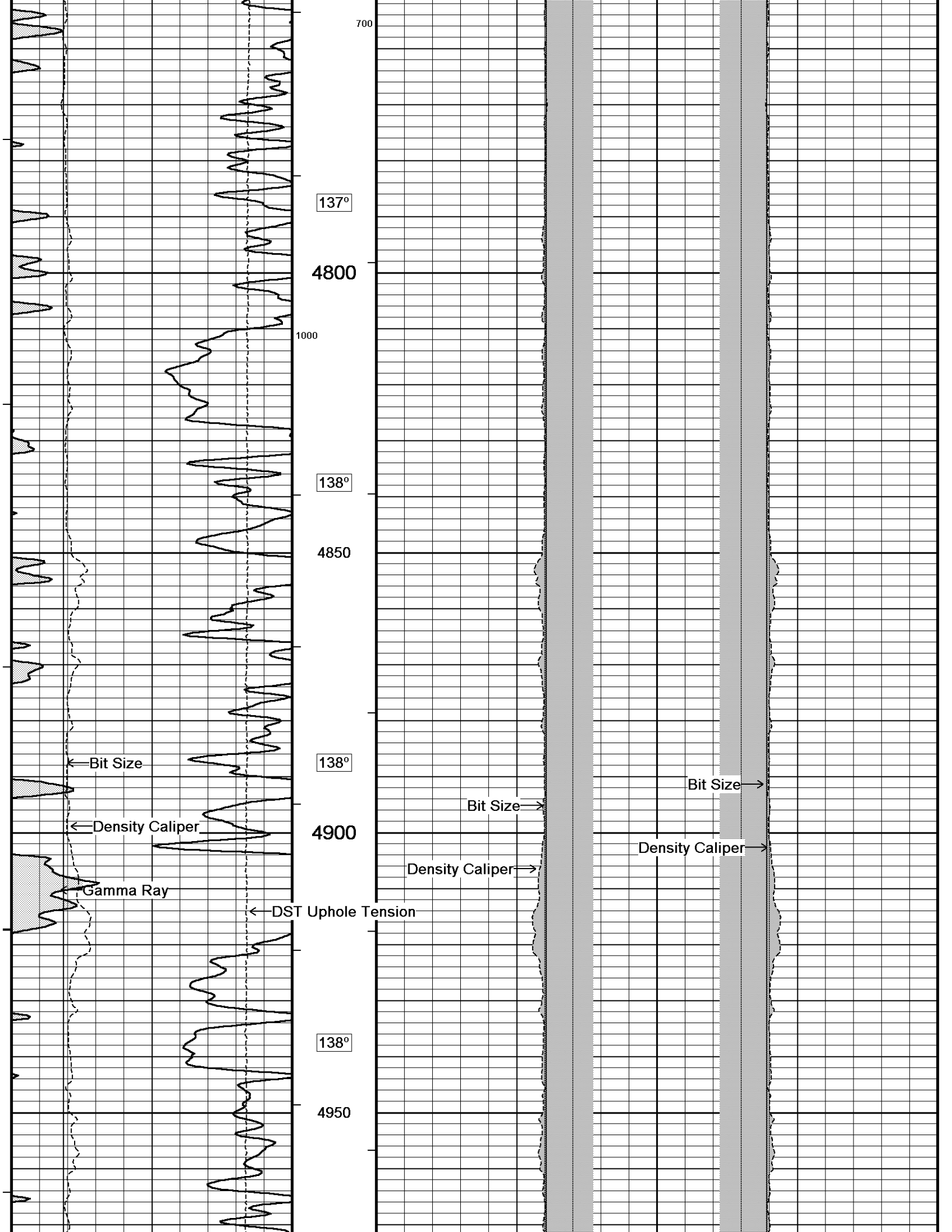


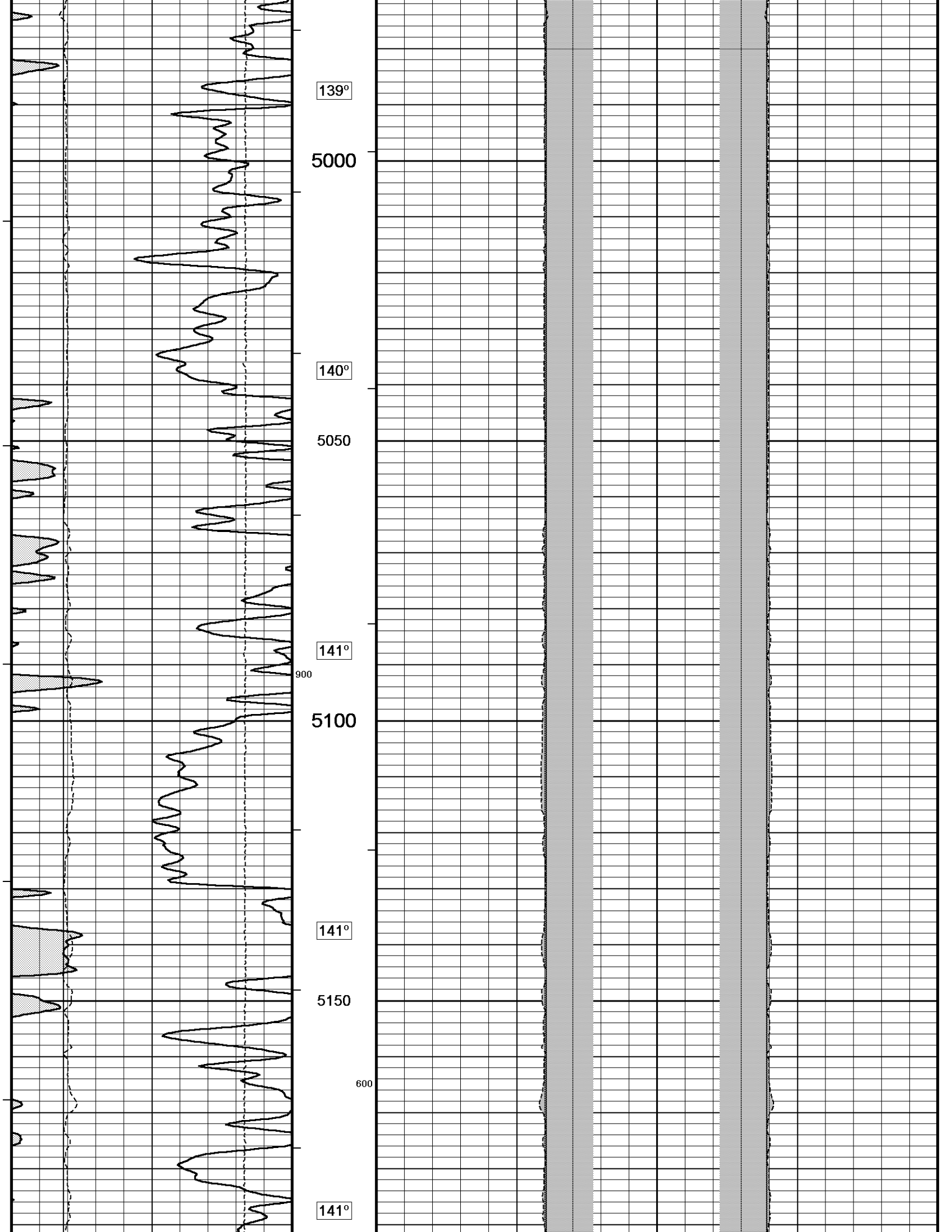


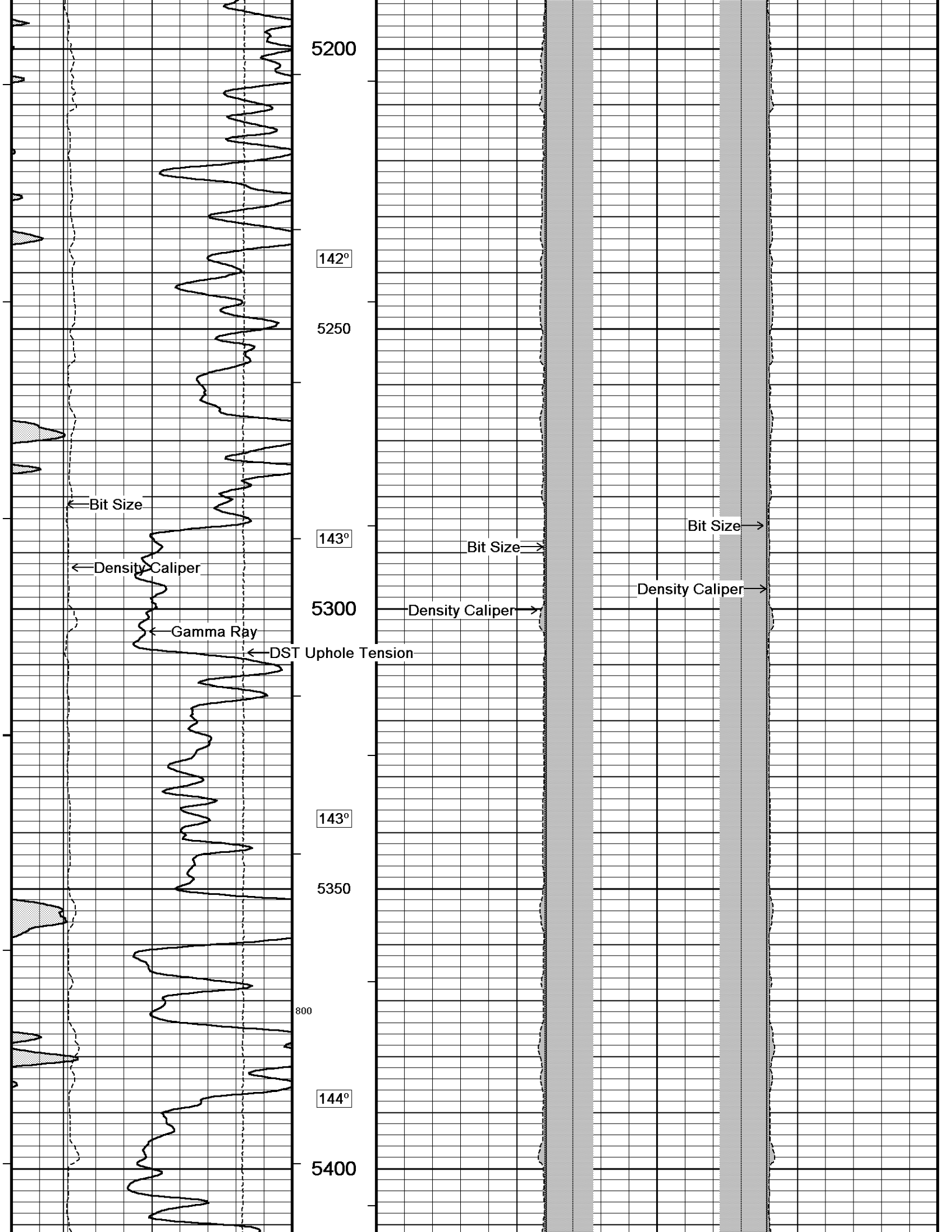


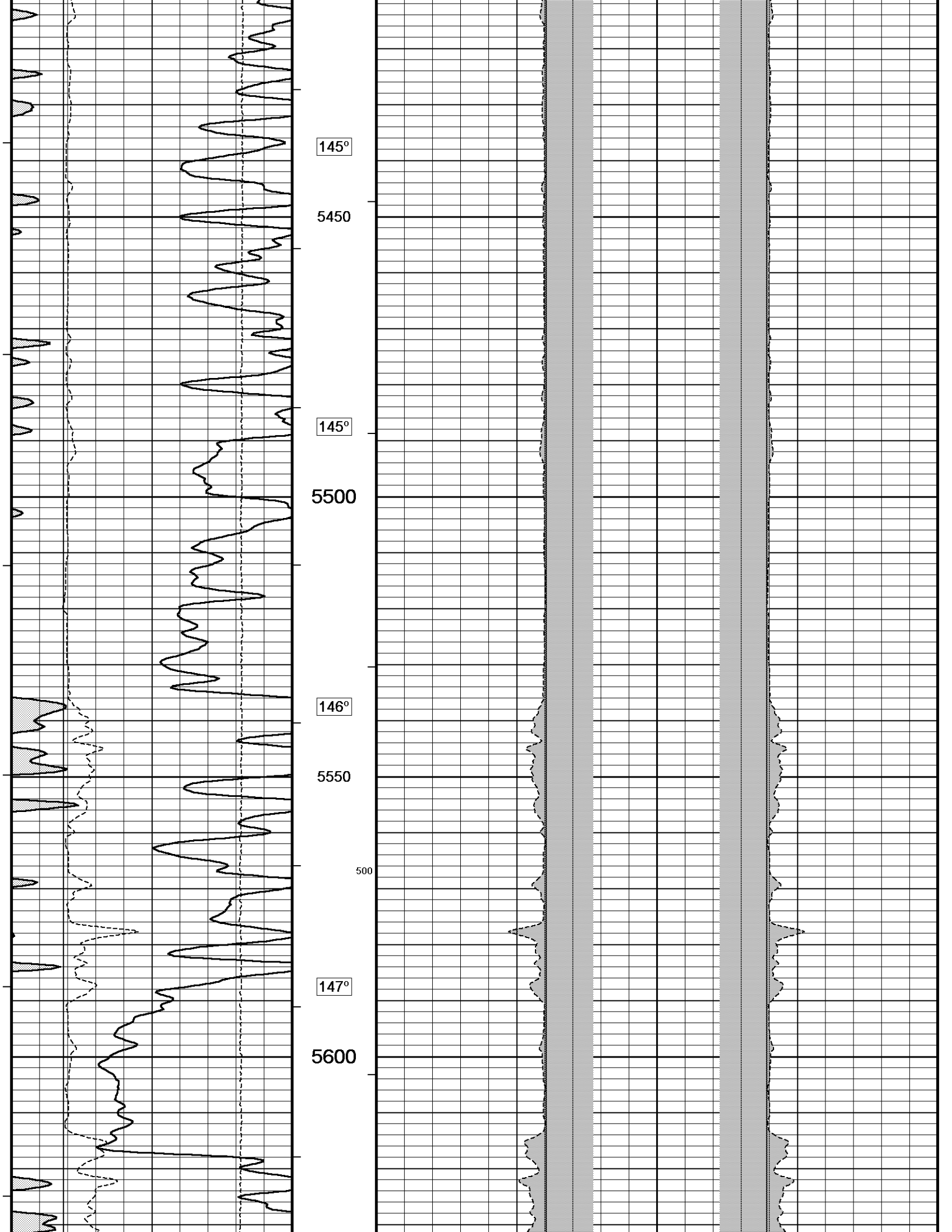


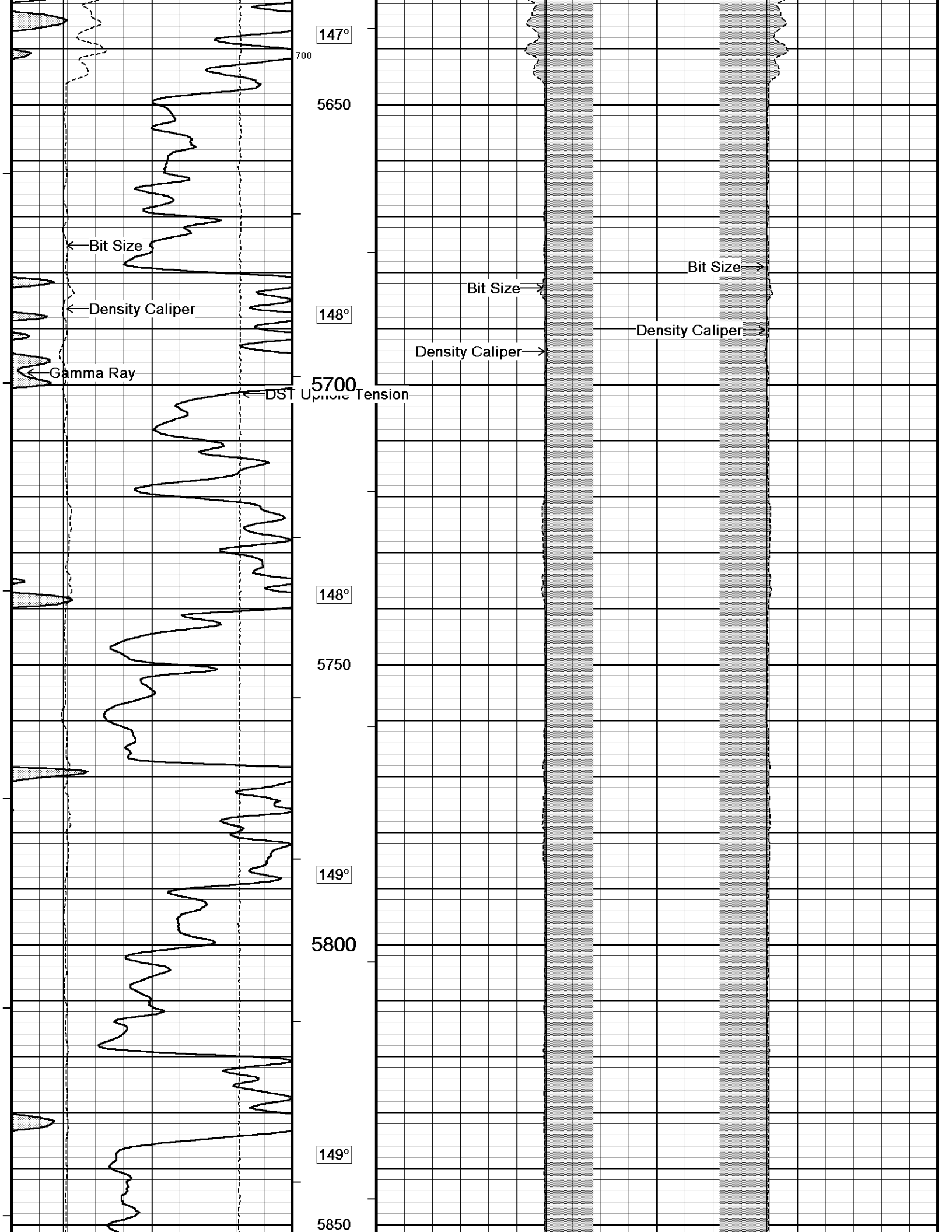


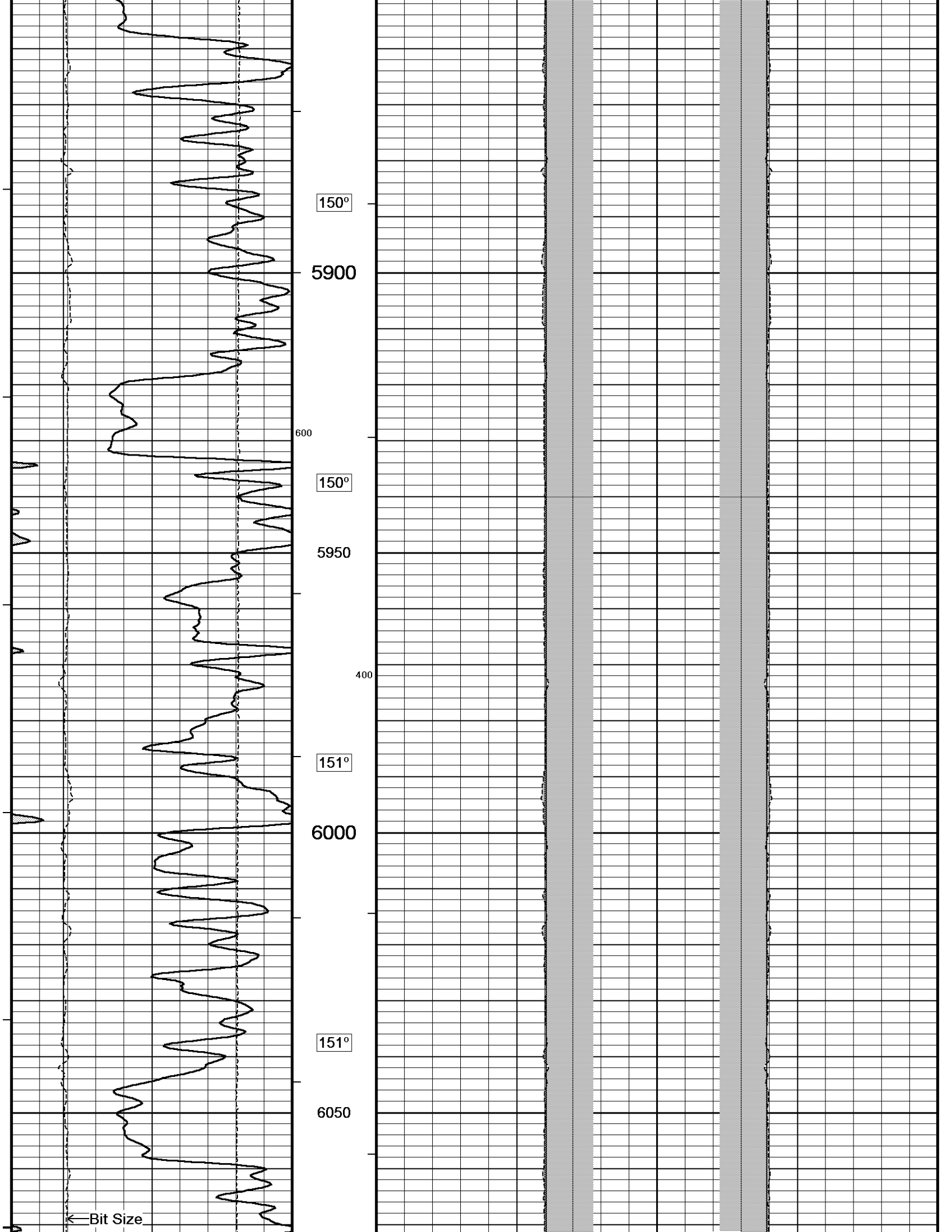


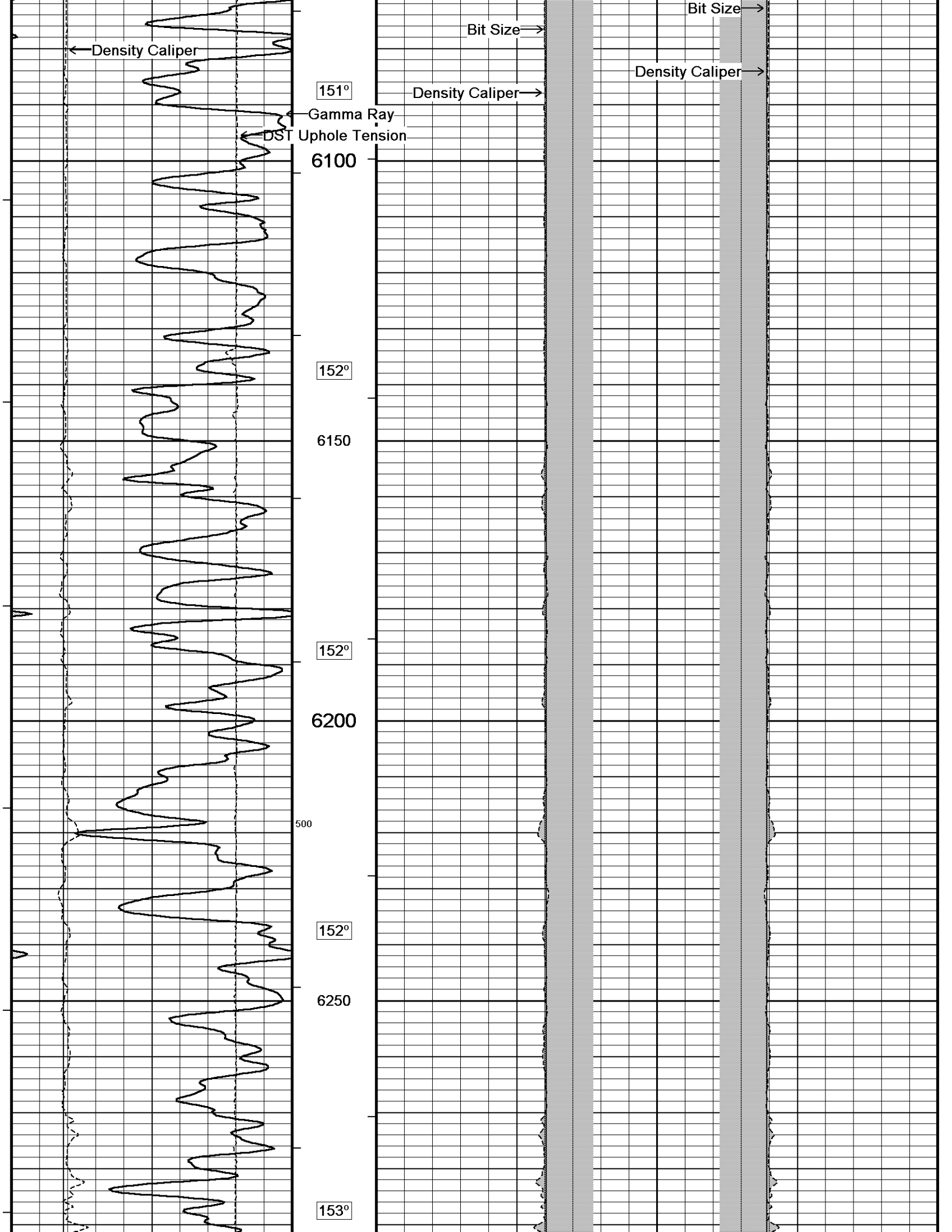


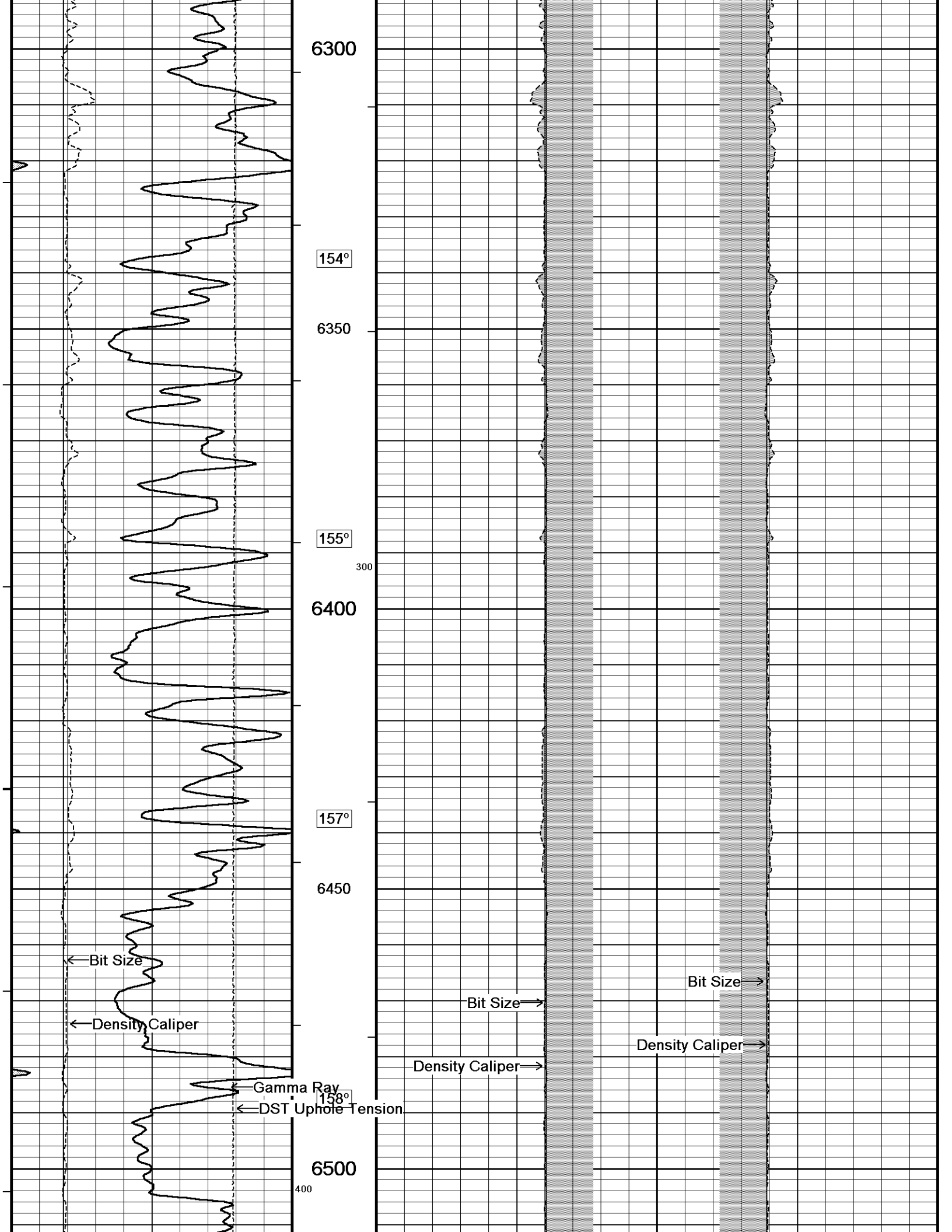


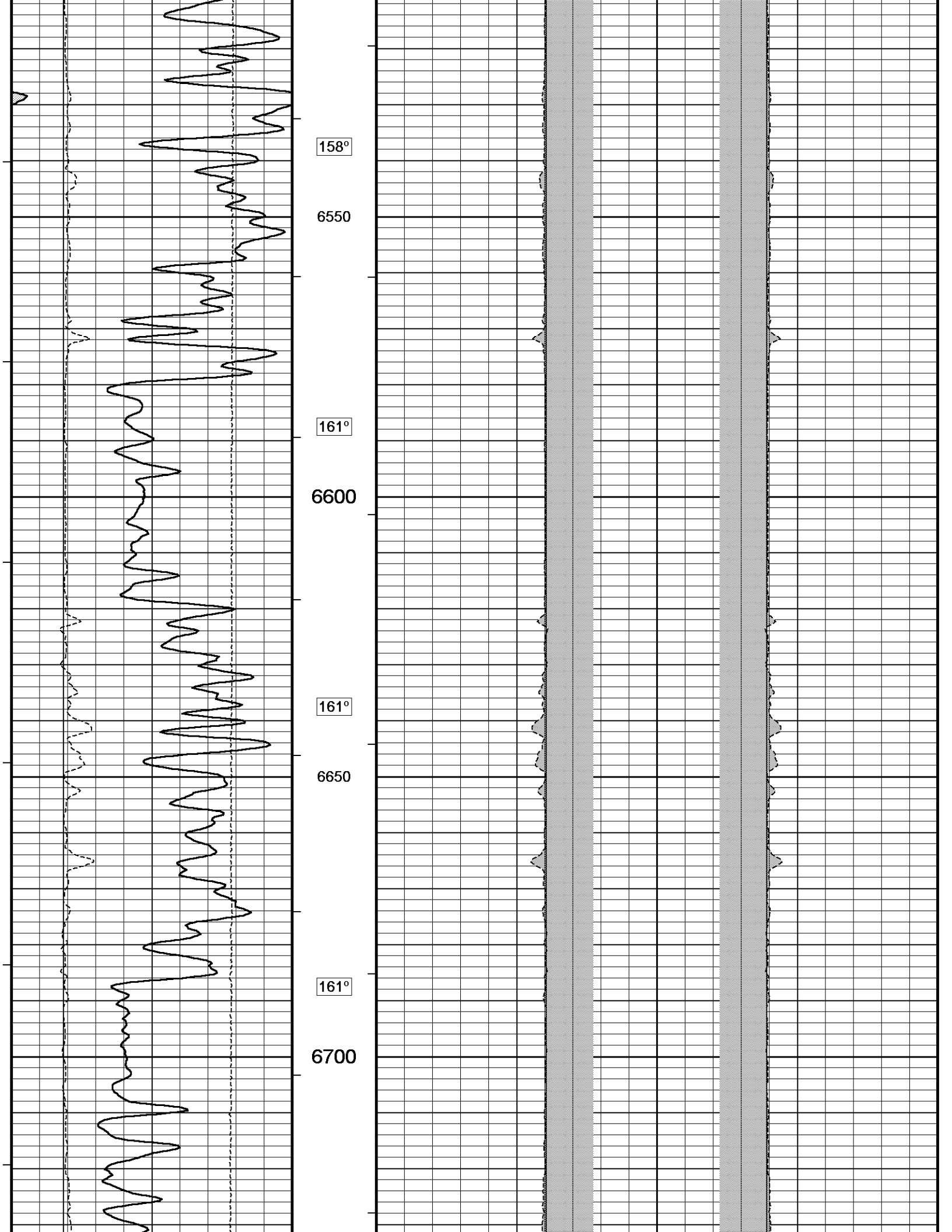


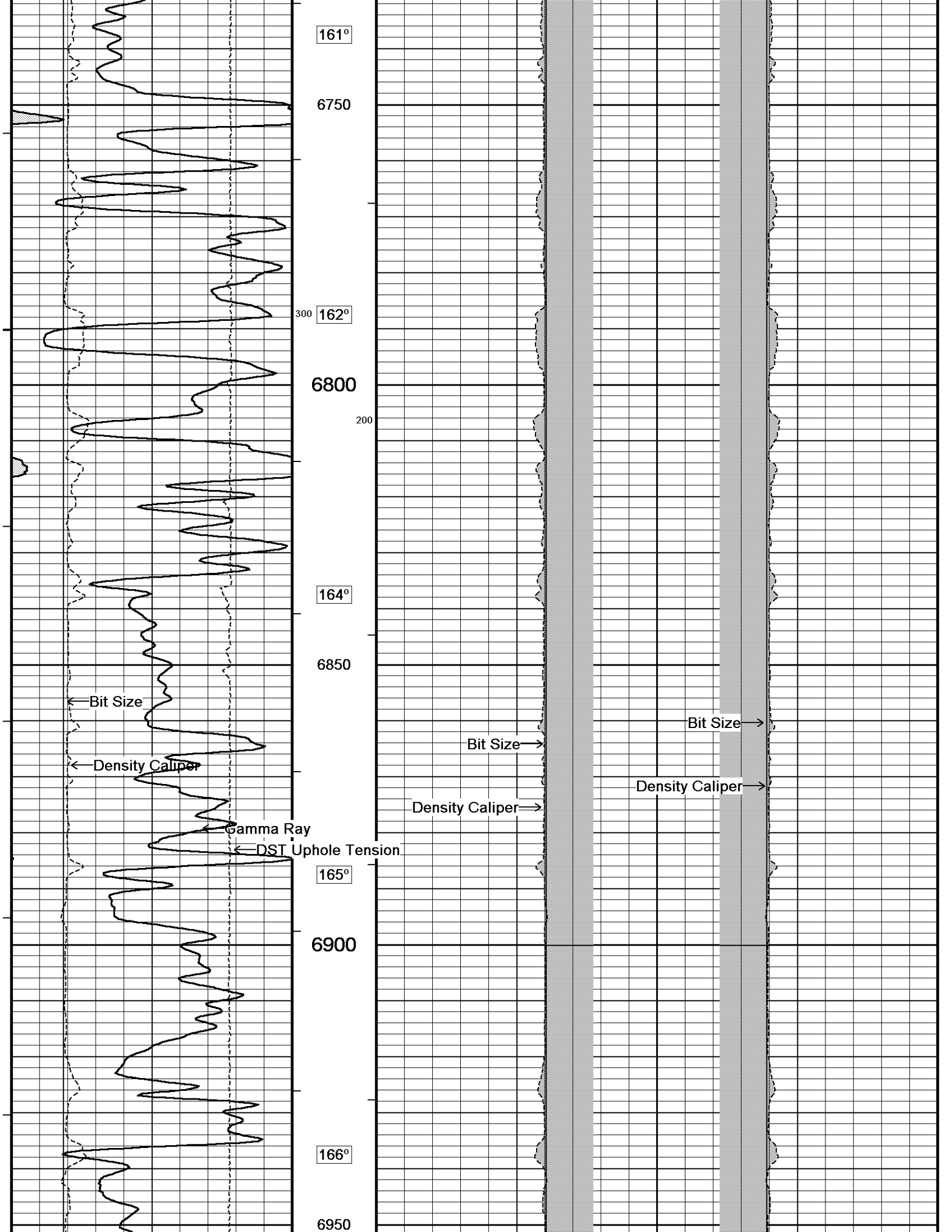


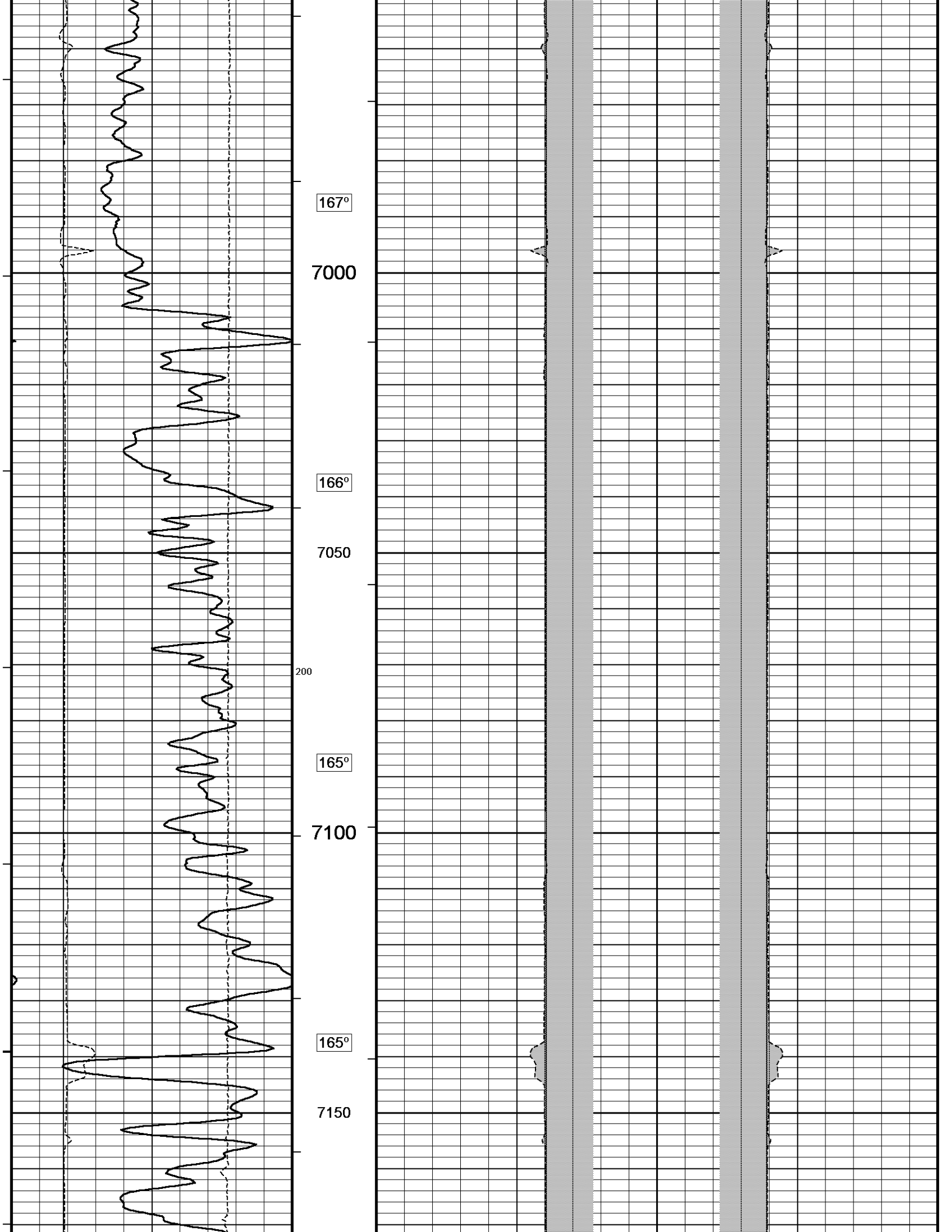


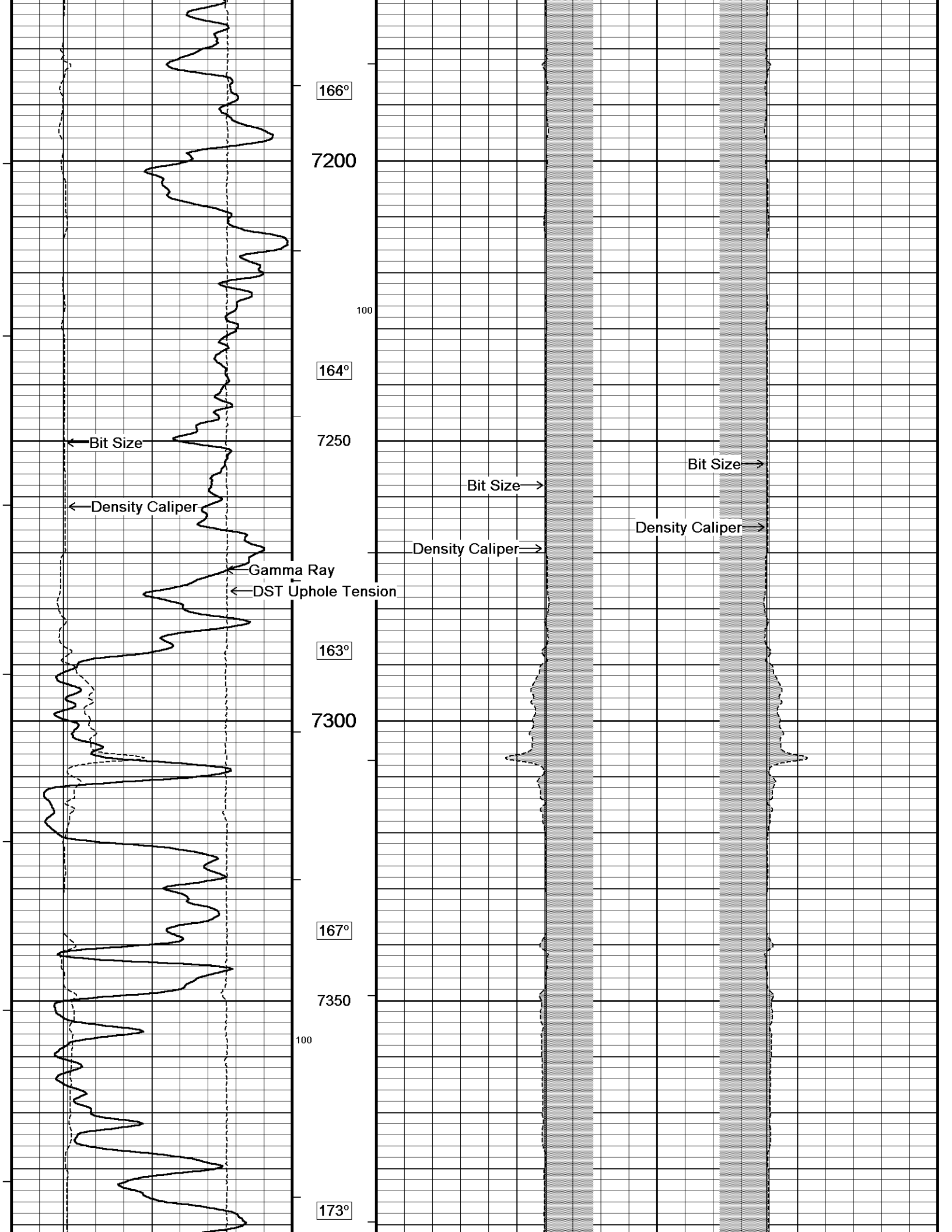


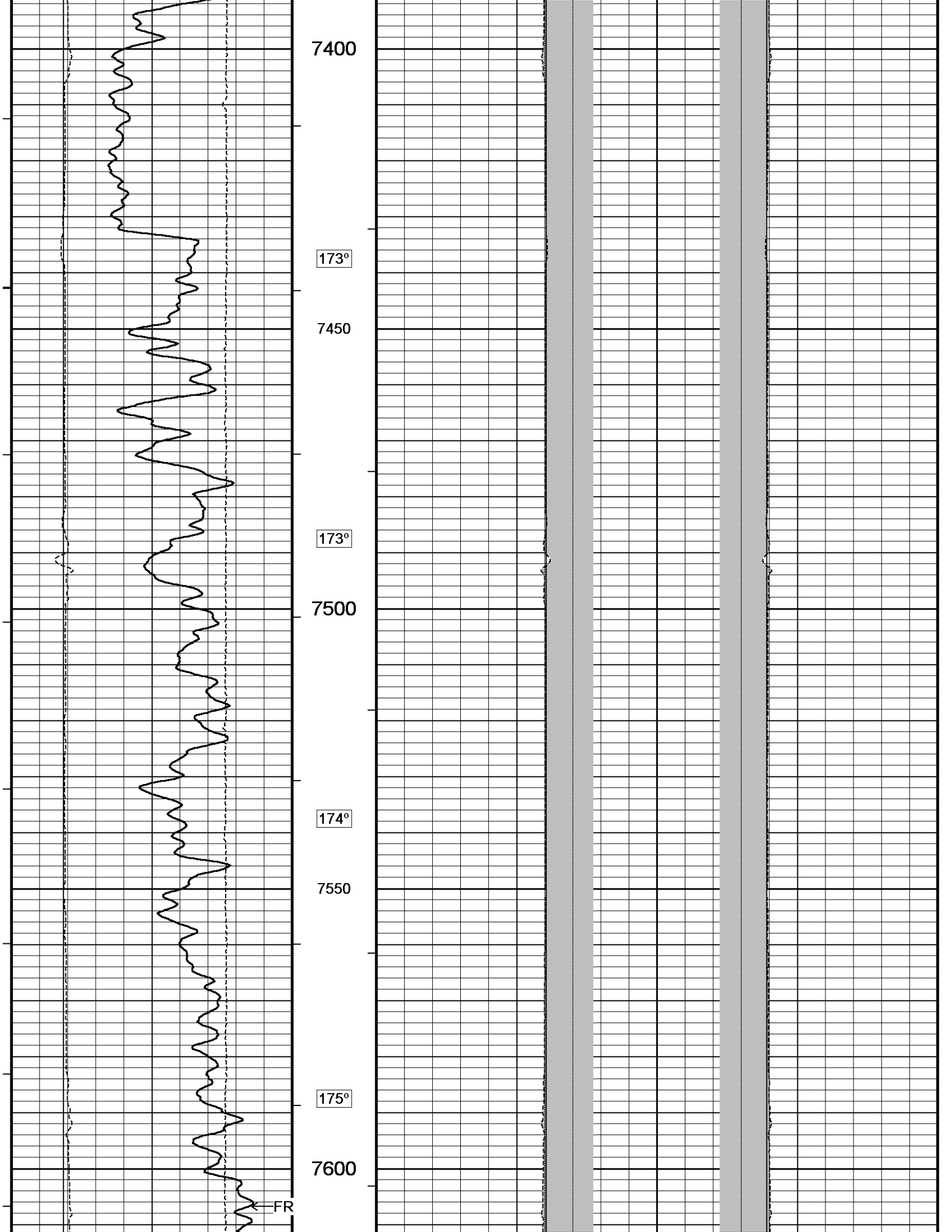


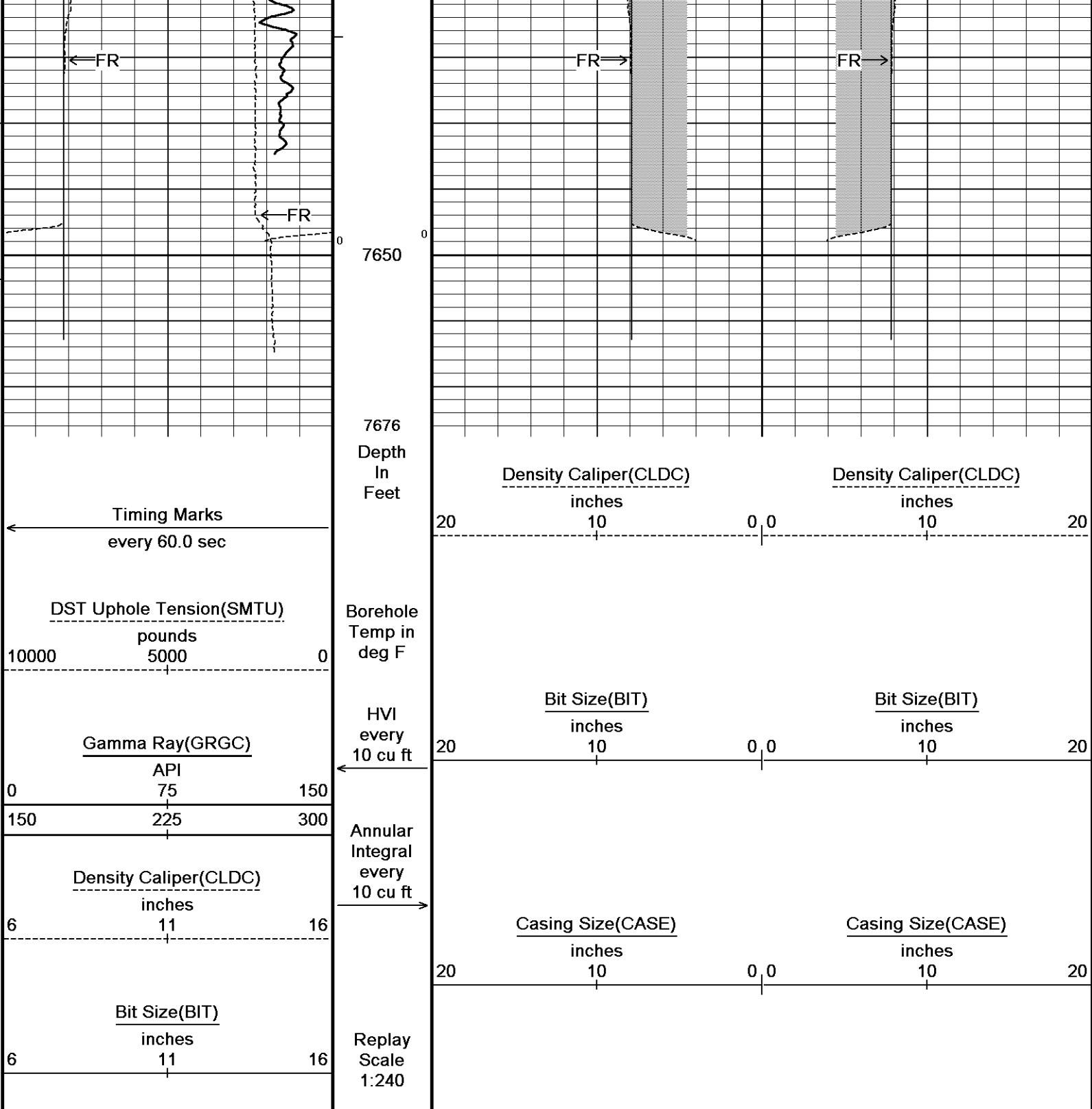












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DOWNHOLE EQUIPMENT

C:\Documents and Settings\le145895\Desktop\GGU FEDERAL 34A-20-691\main-bridge-2.dta

3/8" Triple Cone Cable Head (MCB F B)
 MCB-F.B 9 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-C 192 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

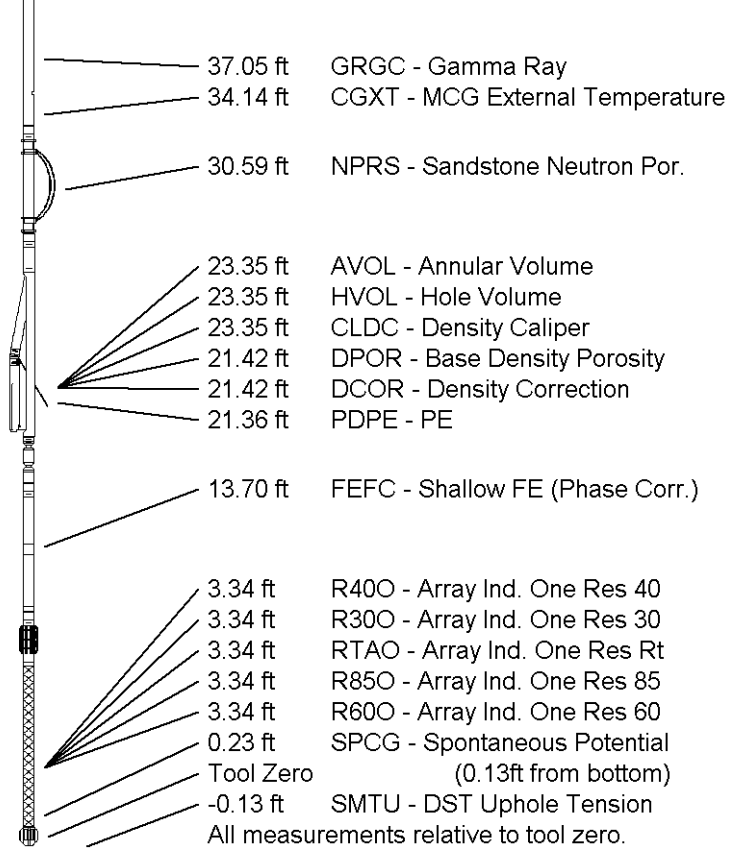
Compact Density/Caliper
MPD-B 167 LG: 9.59 ft WT: 90.4 lb OD: 2.45 in

SKJ-E.A Compact Knuckle Joint
SKJ-E.A 114 LG: 2.17 ft WT: 24.3 lb OD: 2.24 in

Compact Focussed Electric
MFE-A.A 85 LG: 6.03 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: 46.65 ft Weight: 368.2 lb



COMPANY	BILL BARRETT CORPORATION
WELL	GGU FEDERAL 34A-20-691
FIELD	GIBSON GULCH
PROVINCE/COUNTY	GARFIELD
COUNTRY/STATE	U.S.A. / COLORADO

Elevation Kelly Bushing	6127.00	feet	First Reading	7619.00
Elevation Drill Floor	6126.00	feet	Depth Driller	7640.00 feet
Elevation Ground Level	6104.00	feet	Depth Logger	7642.00 feet



Weatherford®

HOLE VOLUME
CALIPER LOG

