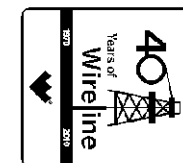




Weatherford

HOLE VOLUME CALIPER LOG



COMPANY **BILL BARRETT CORPORATION**
WELL **GGU SWANSON 32C-29-691**
FIELD **GIBSON GULCH**
PROVINCE/COUNTY **GARFIELD**
COUNTRY/STATE **U.S.A. / COLORADO**
LOCATION **SHL: 1227' FNL & 1327' FEL**
BHL: 1800' FNL & 1990' FEL

SEC	TWP	RGE	Other Services
29	6S	91W	MPD/MDN
API Number	05-045-19797		
Permit Number	MAI/MFE		

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

Elevations:	feet
KB	6127.00
DF	6126.00
GL	6104.00

Date 18-FEB-2011

Run Number ONE

Depth Driller 7458.00 feet

Depth Logger 7458.00 feet

First Reading 7435.00

Last Reading 766.00

Casing Driller 766.00 feet

Casing Logger 766.00 feet

Bit Size 7.880 inches

Hole Fluid Type LSND

Density / Viscosity 11.00 lb/USg 46.00 CP

PH / Fluid Loss 10.90 7.20 ml/30Min

Sample Source FLOW LINE

Rm @ Measured Temp 3.10 @ 70.0 ohm-m

Rmf @ Measured Temp 2.48 @ 70.0 ohm-m

Rmc @ Measured Temp 3.72 @ 70.0 ohm-m

Source Rmf / Rmc CALC CALC

Rm @ BHT 1.26 @ 176.0 ohm-m

Time Since Circulation 6 HOURS

Max Recorded Temp 176.00 deg F

Equipment Name COMPACT

Equipment / Base 13173 GD JCT

Recorded By J.GARCIA

Witnessed By C.CROW

BOREHOLE RECORD			Last Edited: 18-FEB-2011 10:34	
Bit Size inches	Depth From feet		Depth To feet	
8.750	766.00		5495.00	
7.880	5495.00		7458.00	
CASING RECORD				
Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE	9.625	0.00	766.00	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 5495 FT.	

TOTAL HOLE VOLUME FROM TD TO SURFACE CASING = 2970 CU.FT.

ANNULAR VOLUME WITH 4.5 INCH PRODUCTION CASING = 2230 CU.FT.

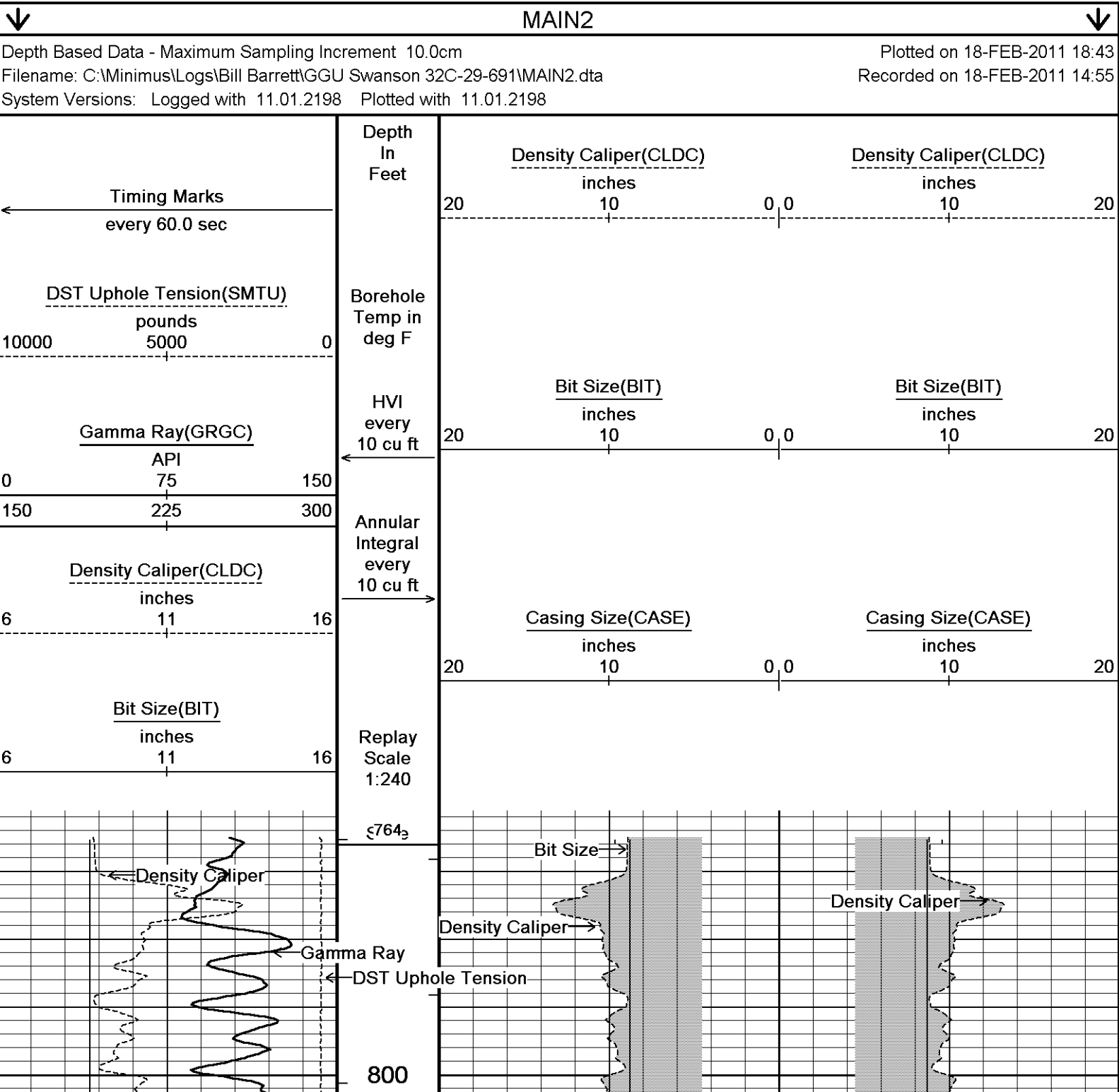
ENGINEER(S): J.GARCIA

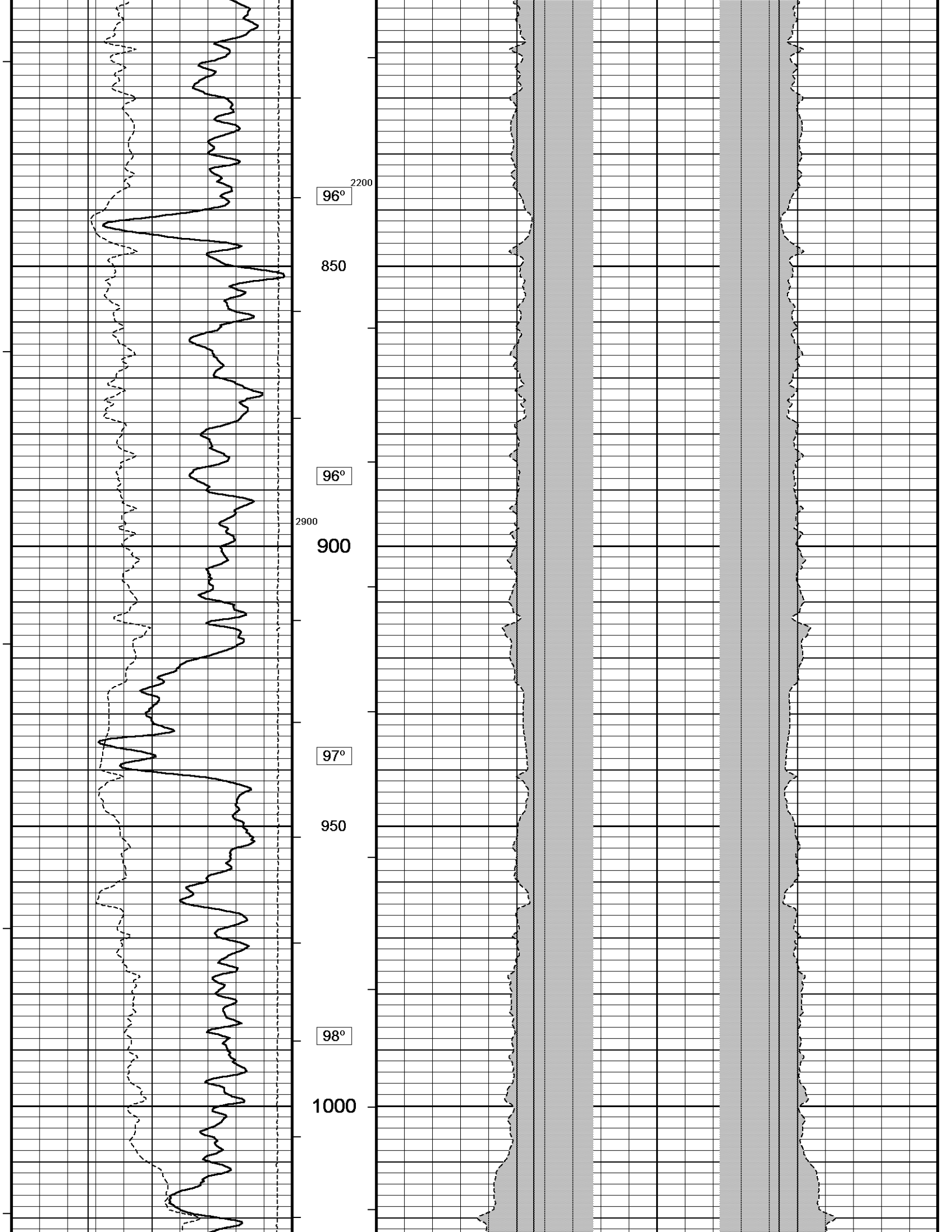
OPERATOR: R.SYERS, D.DALEY

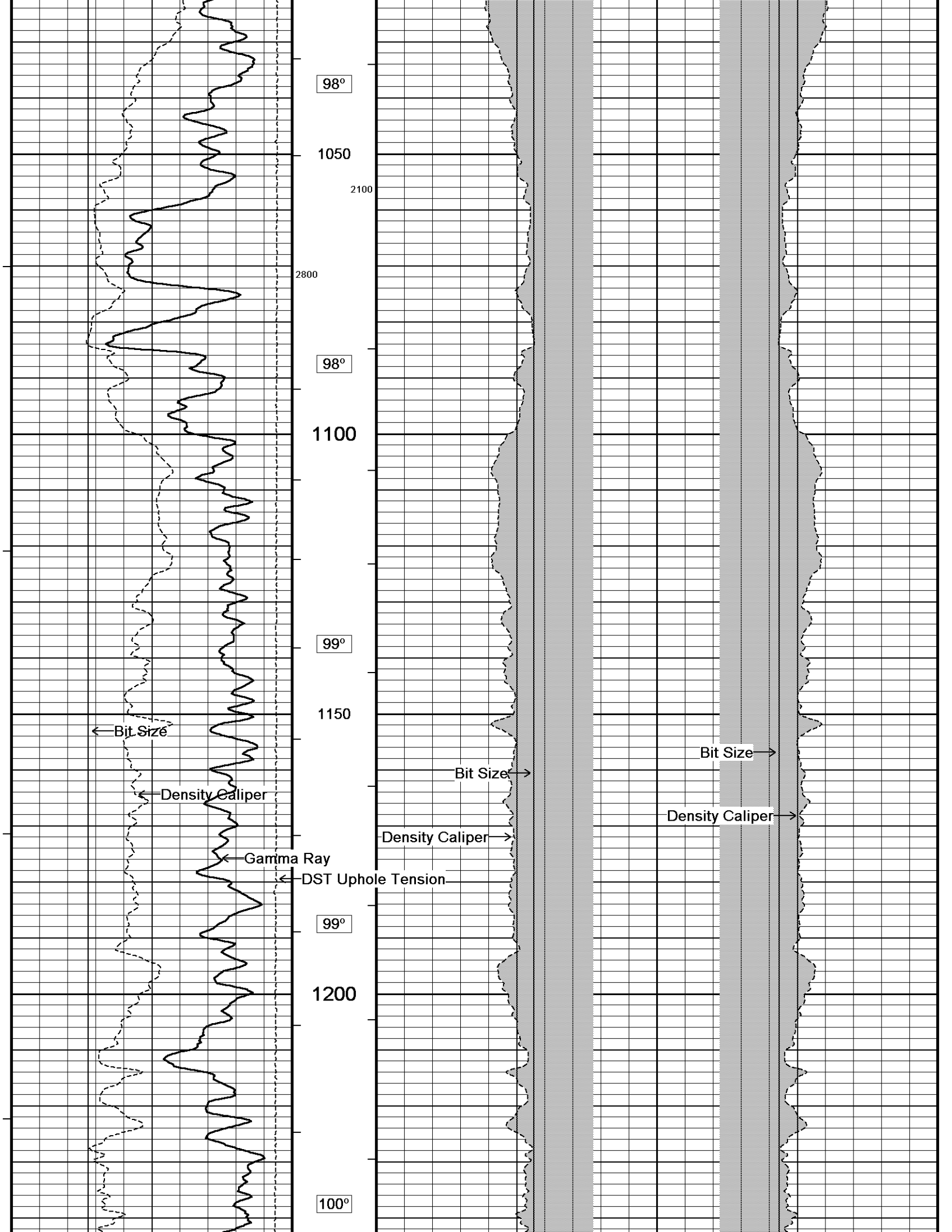
SERVICE ORDER: # 3524849

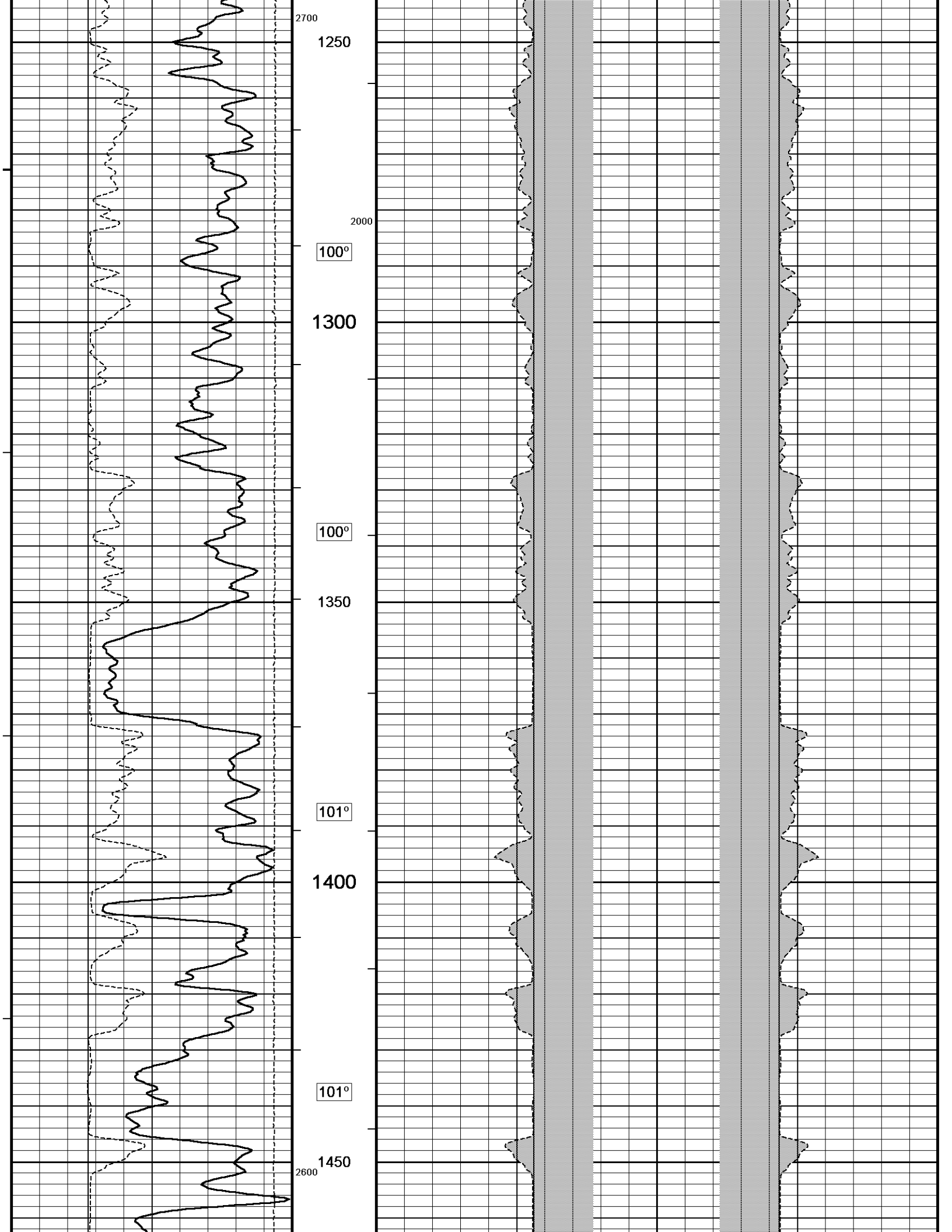
RIG: PATTERSON #307

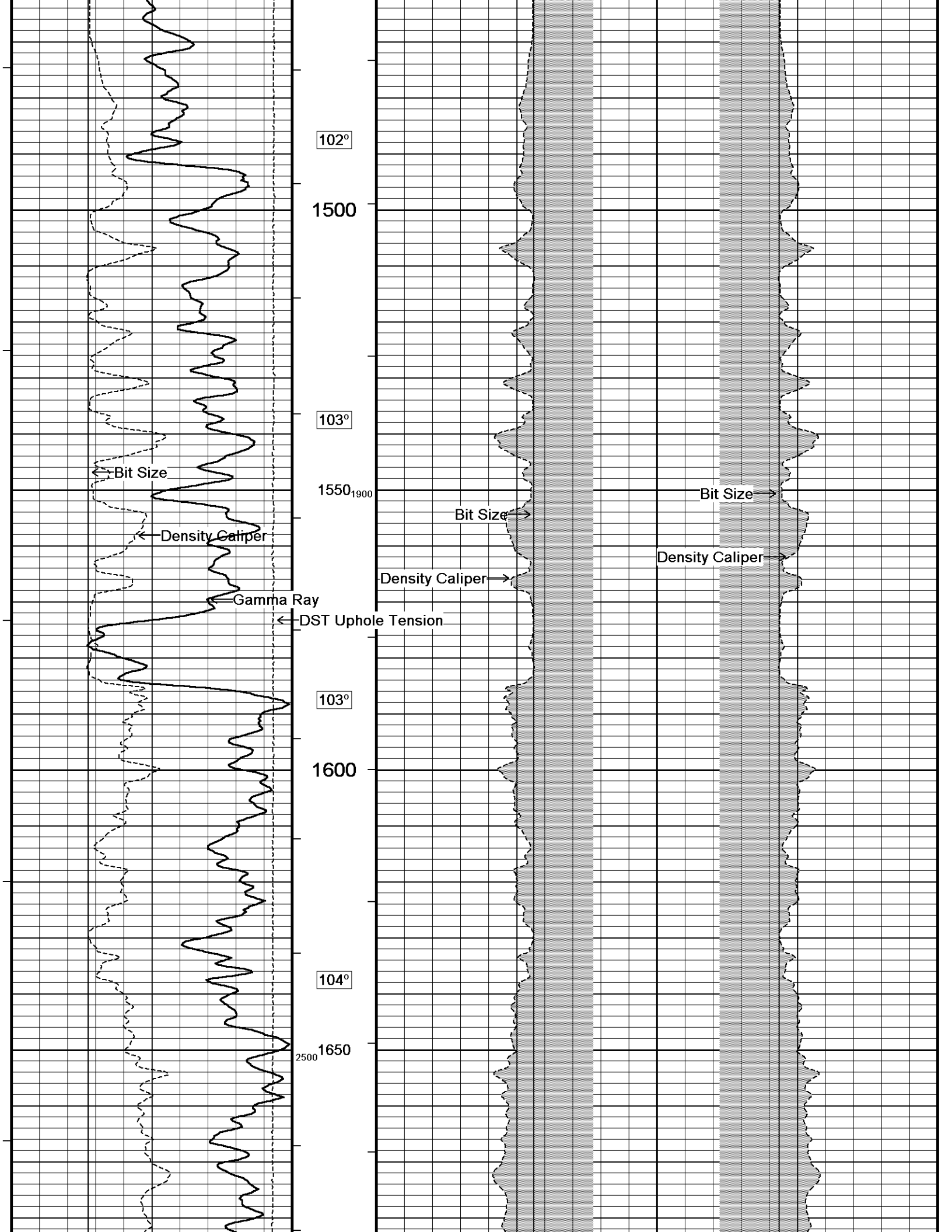
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs,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

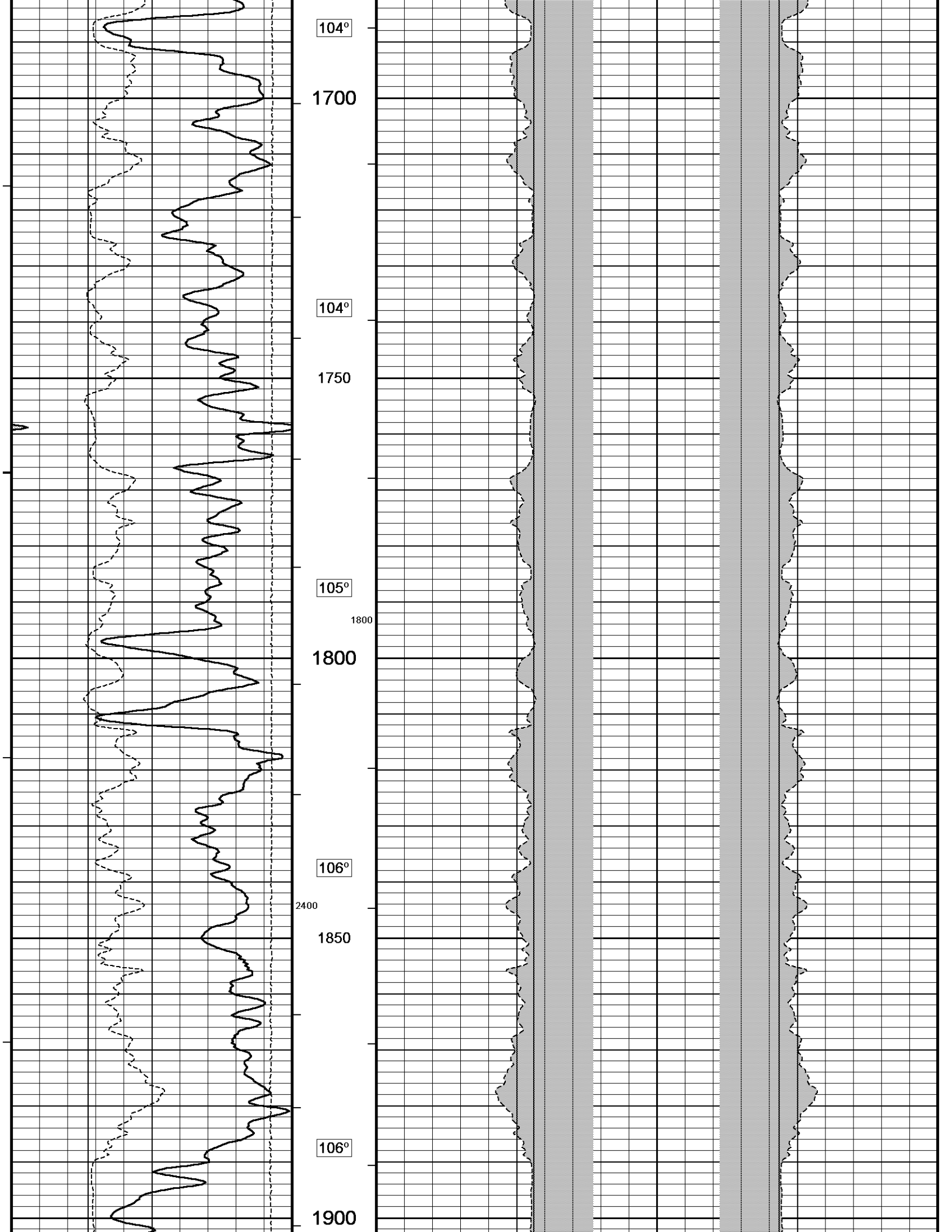


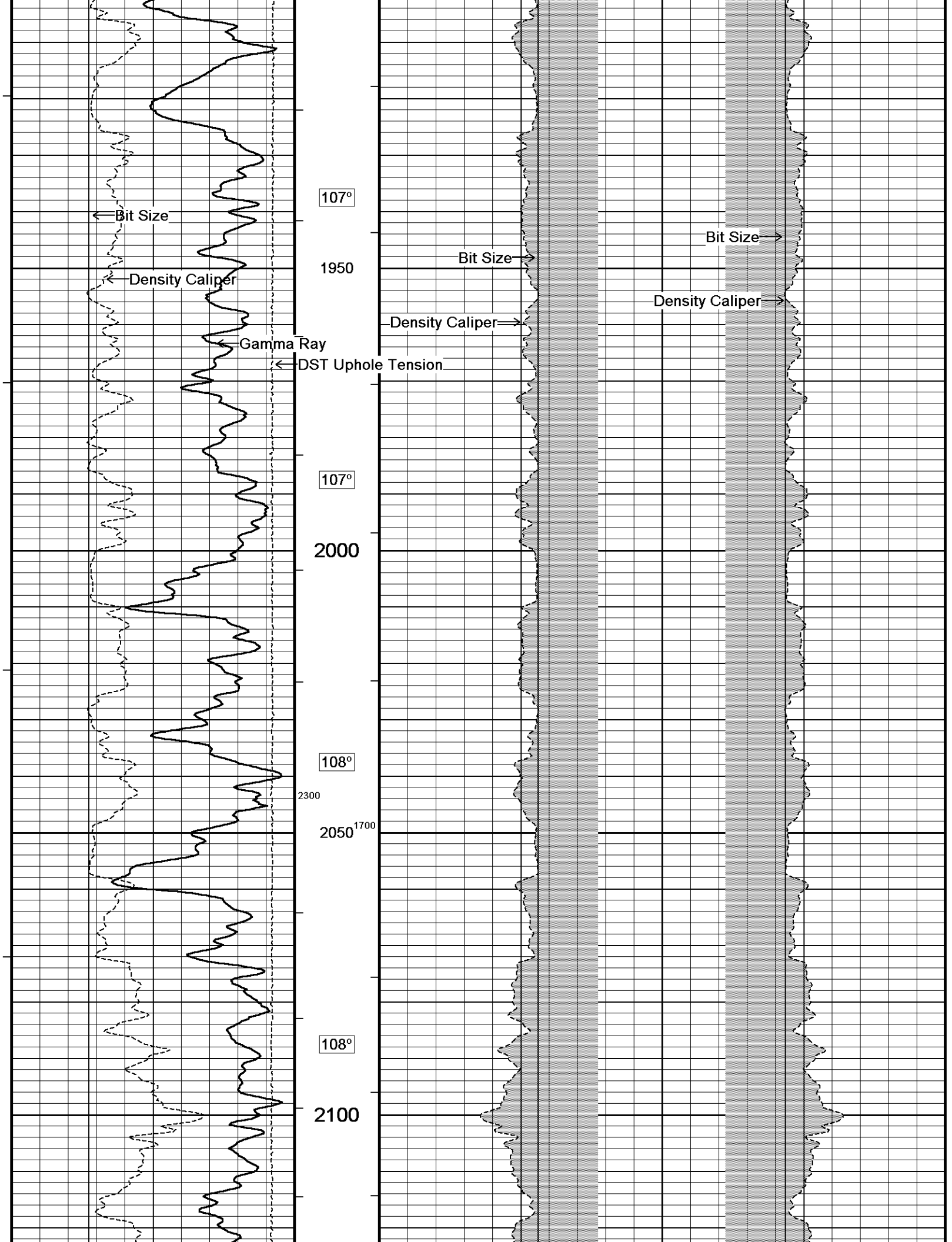


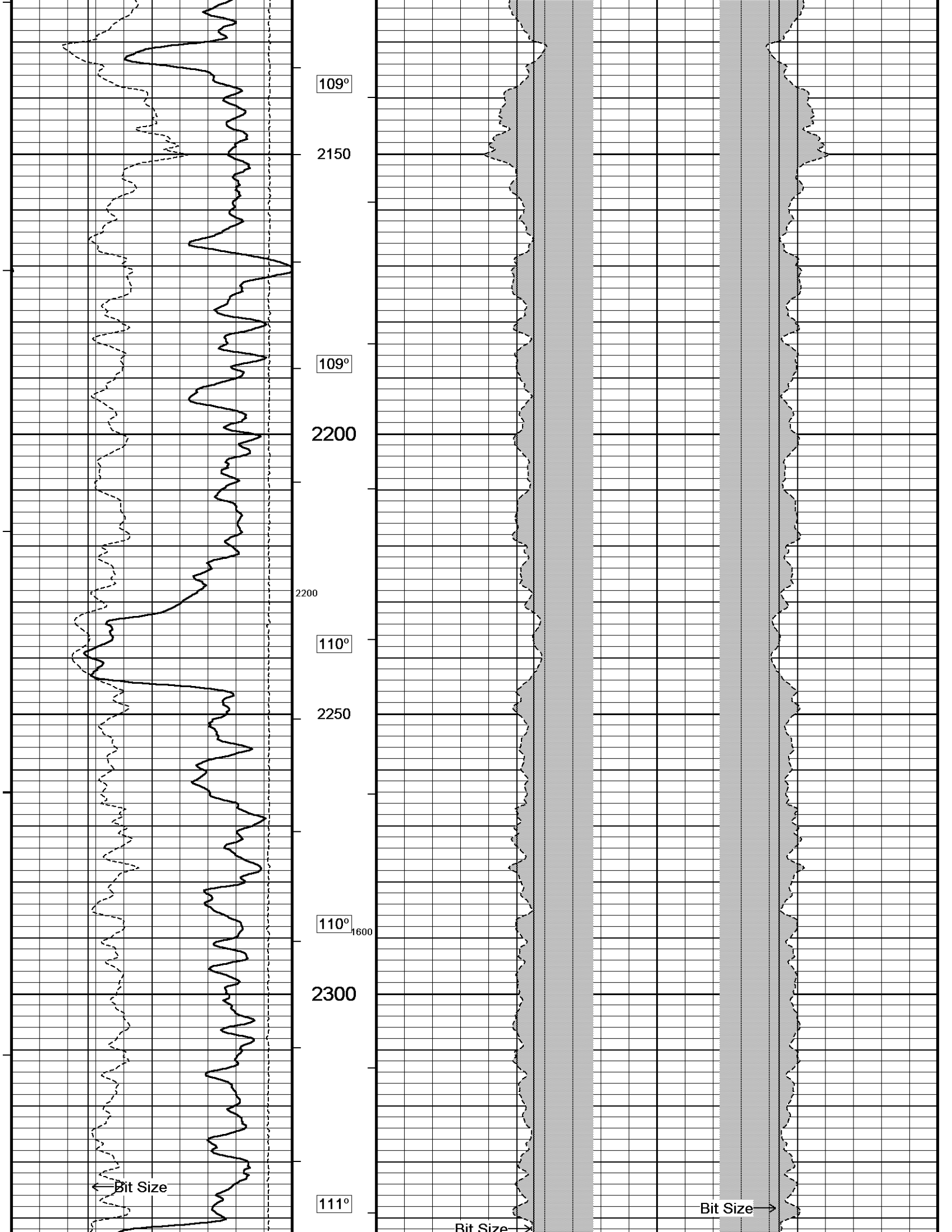


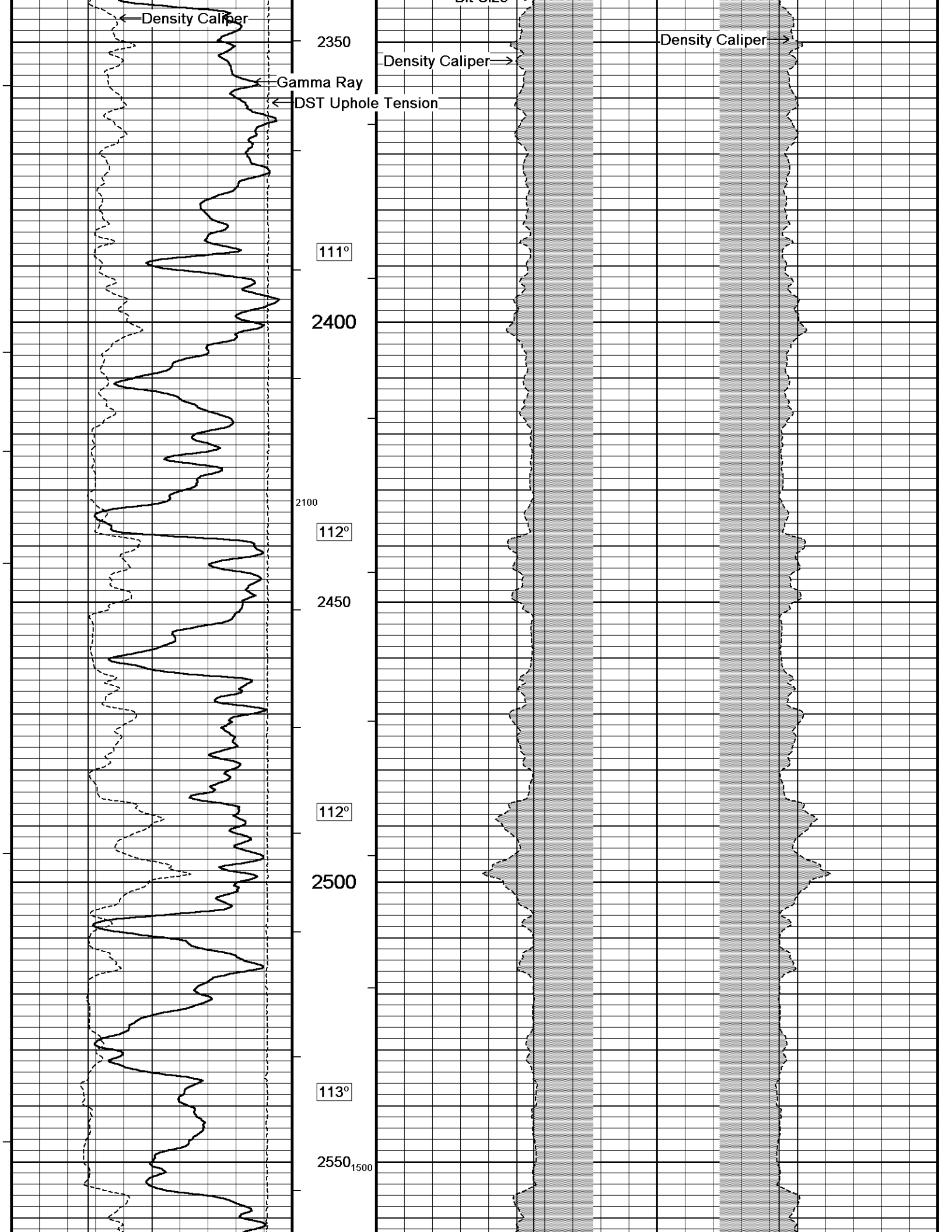


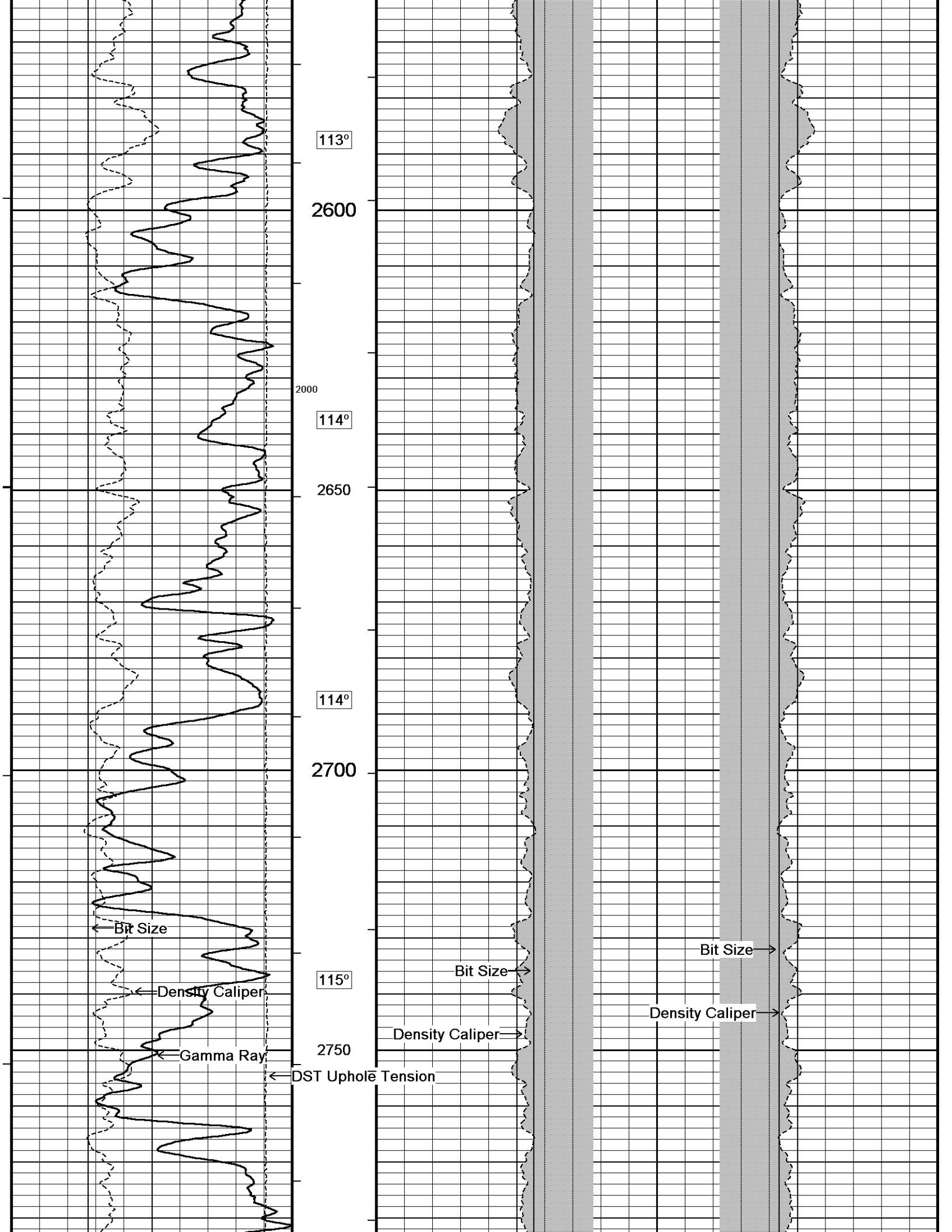


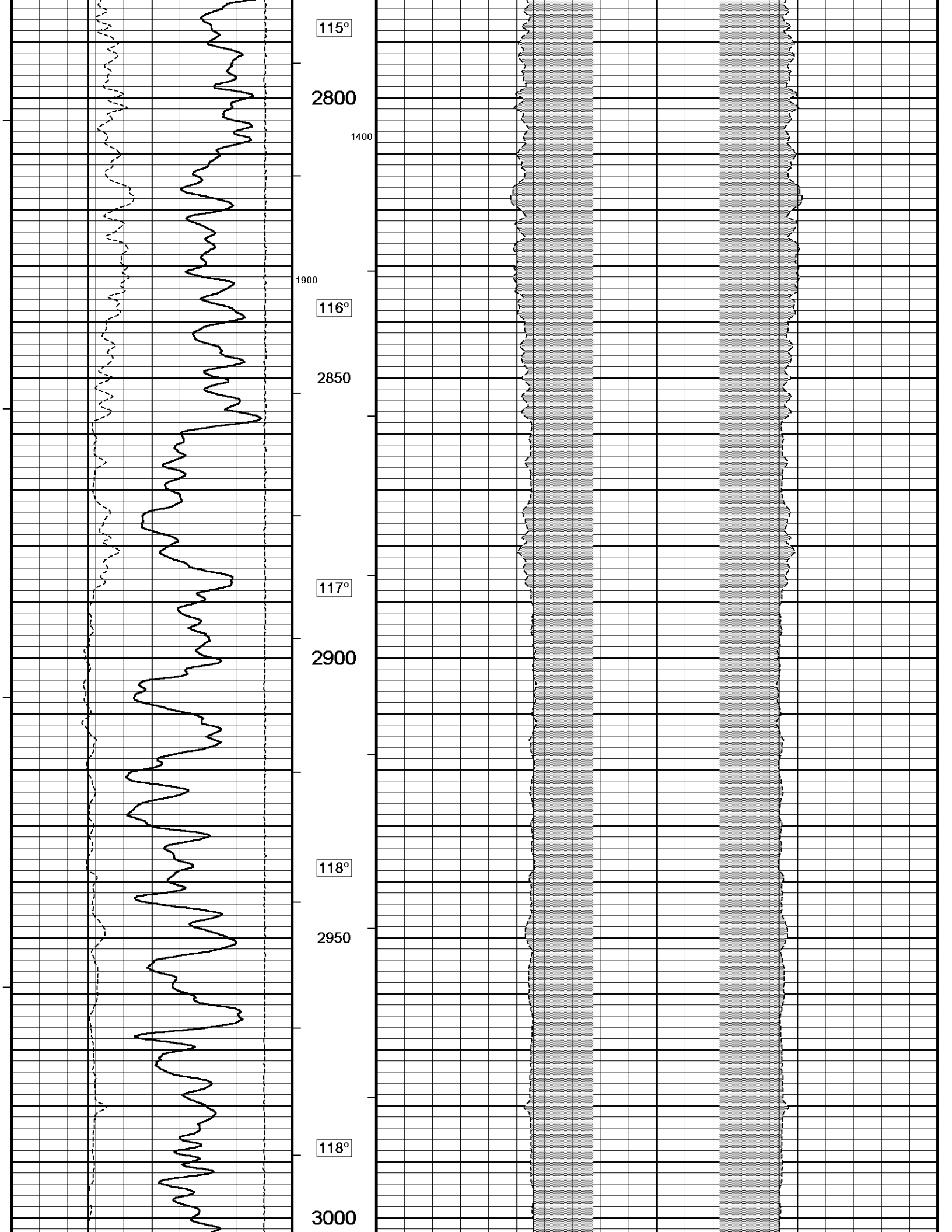


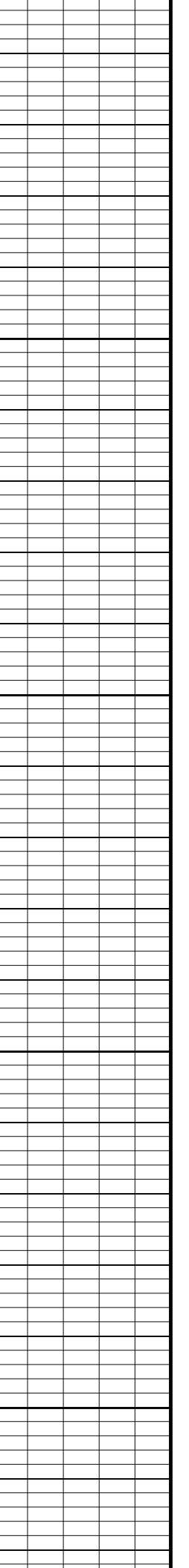
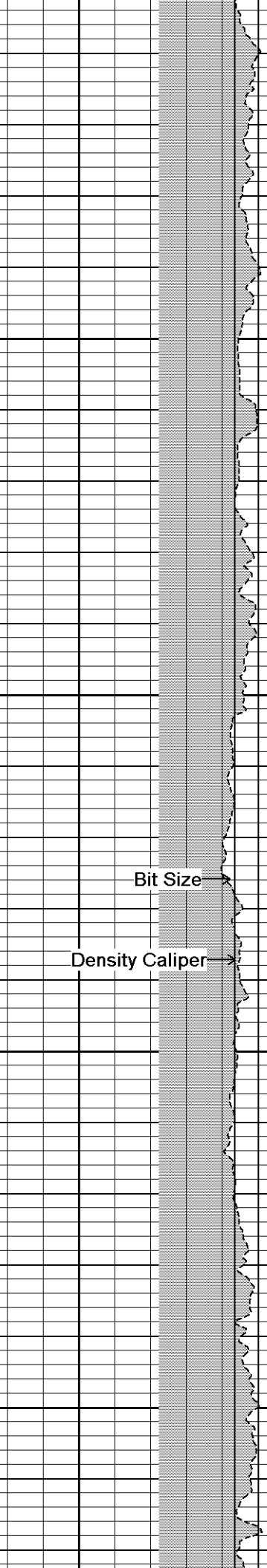
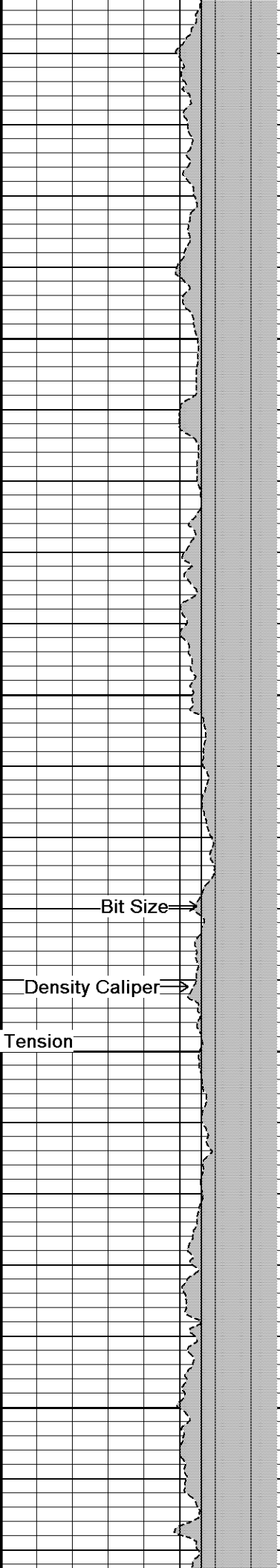
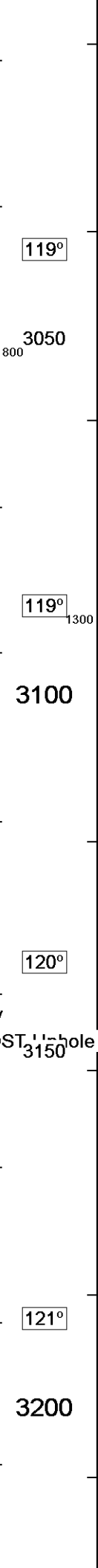
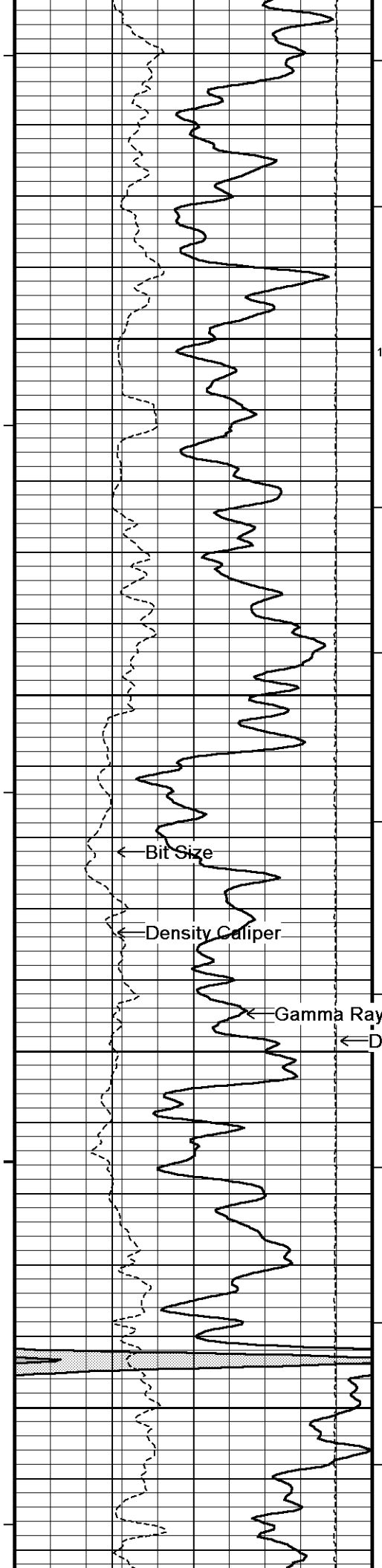


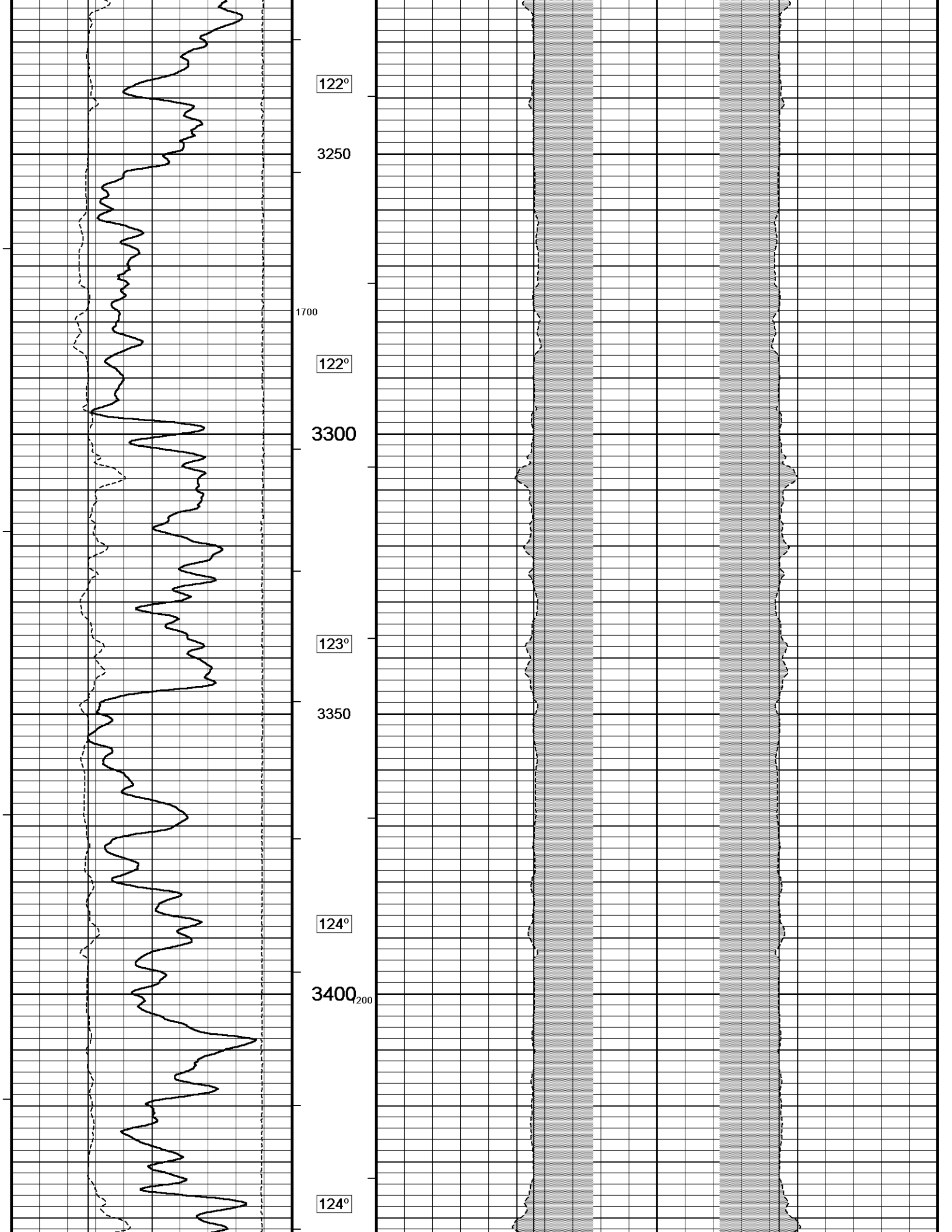


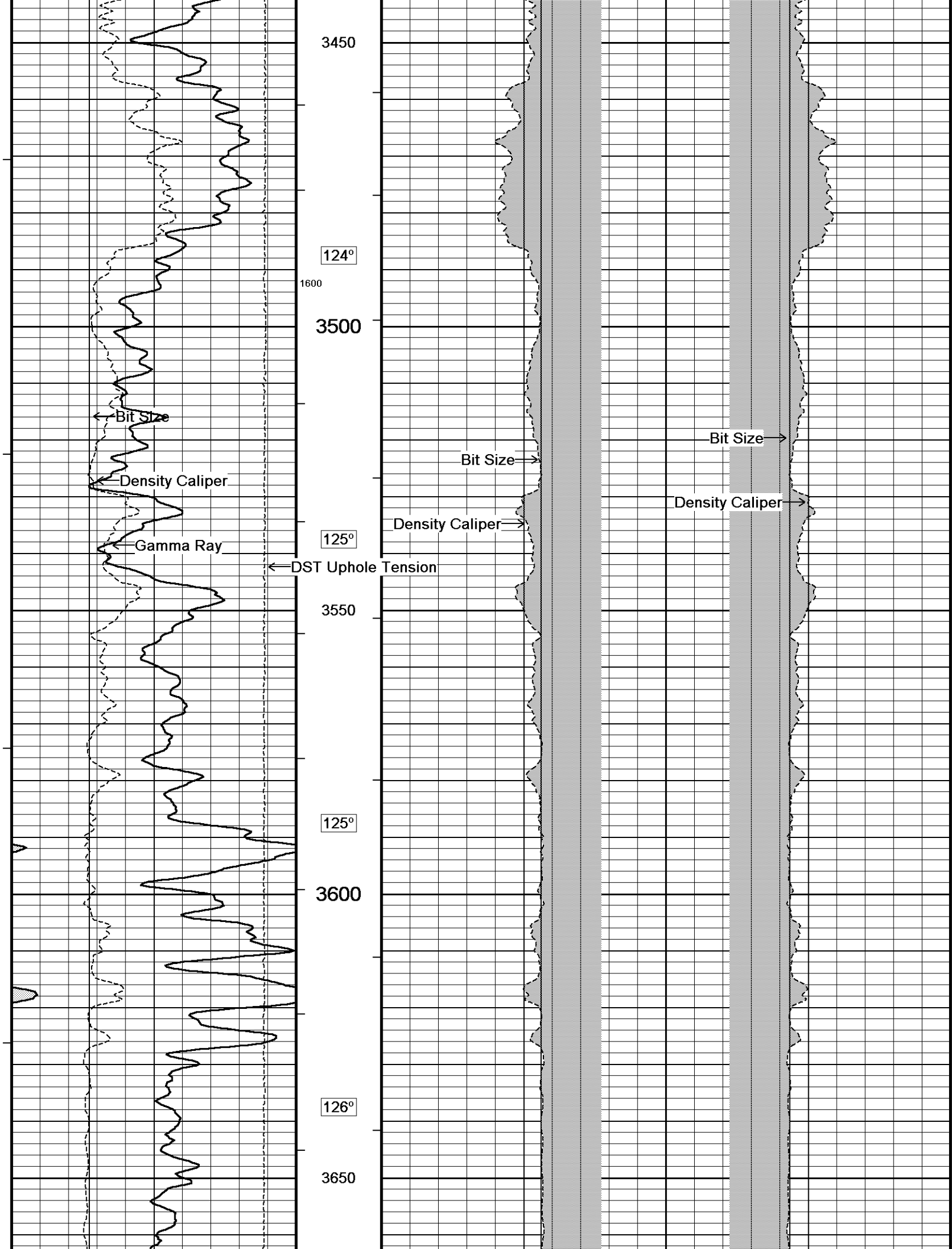


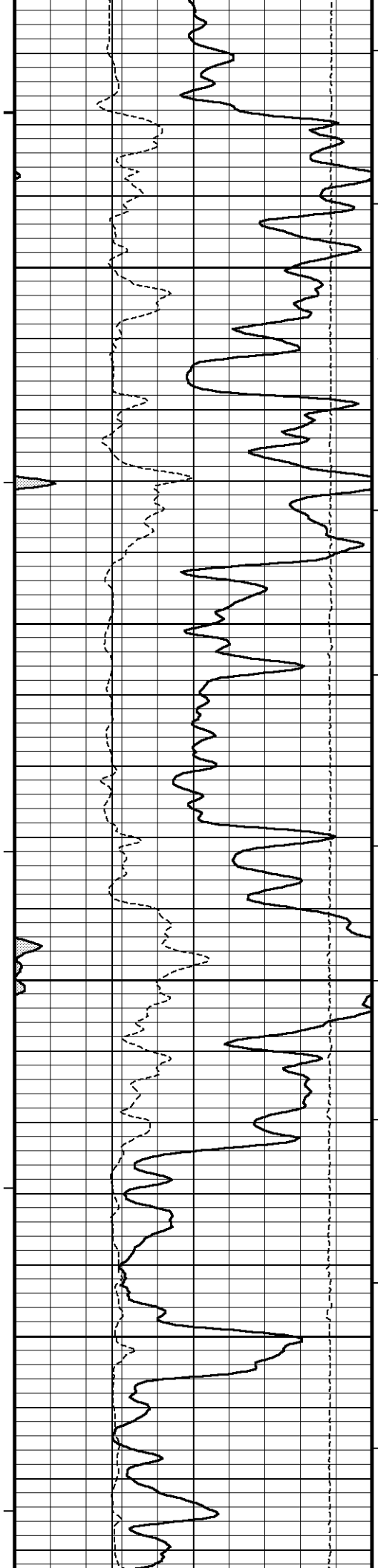




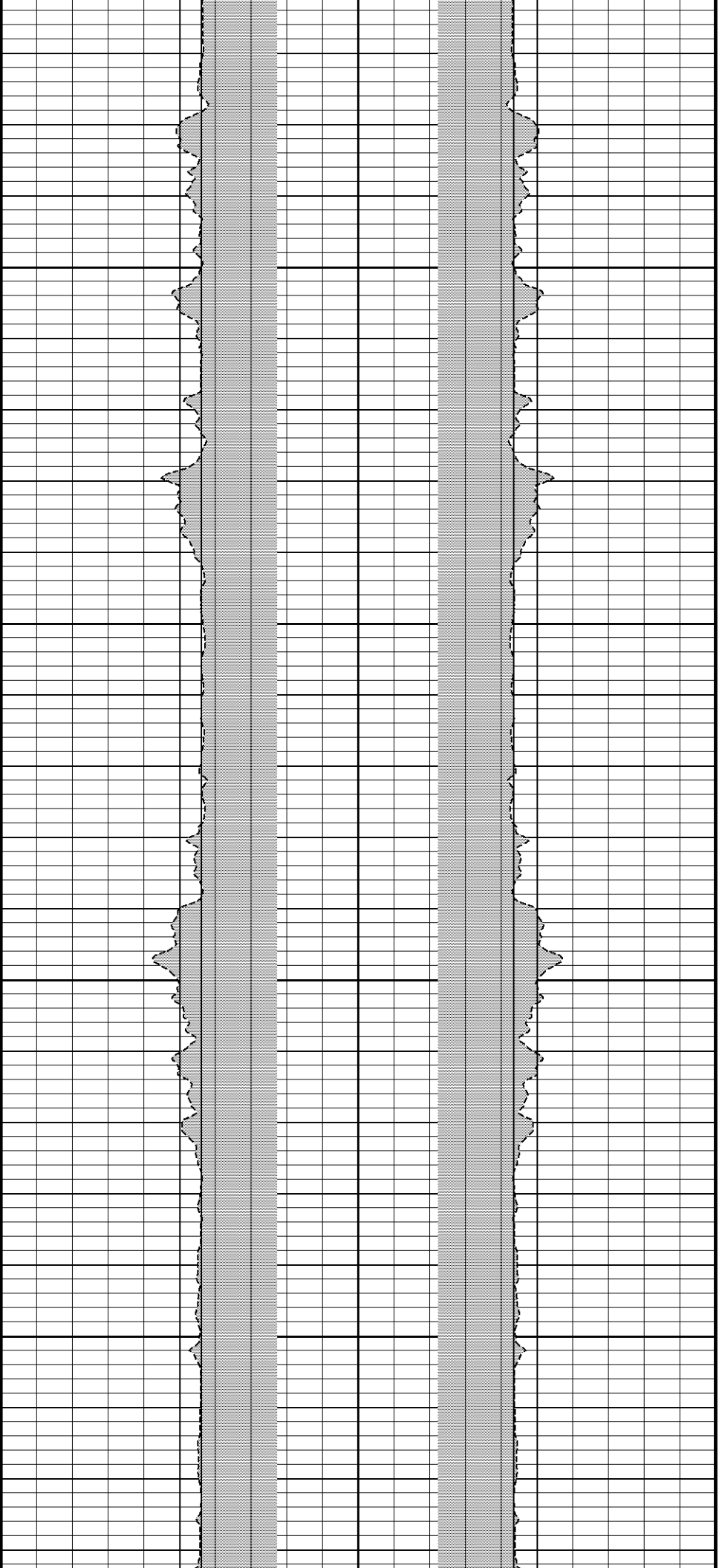


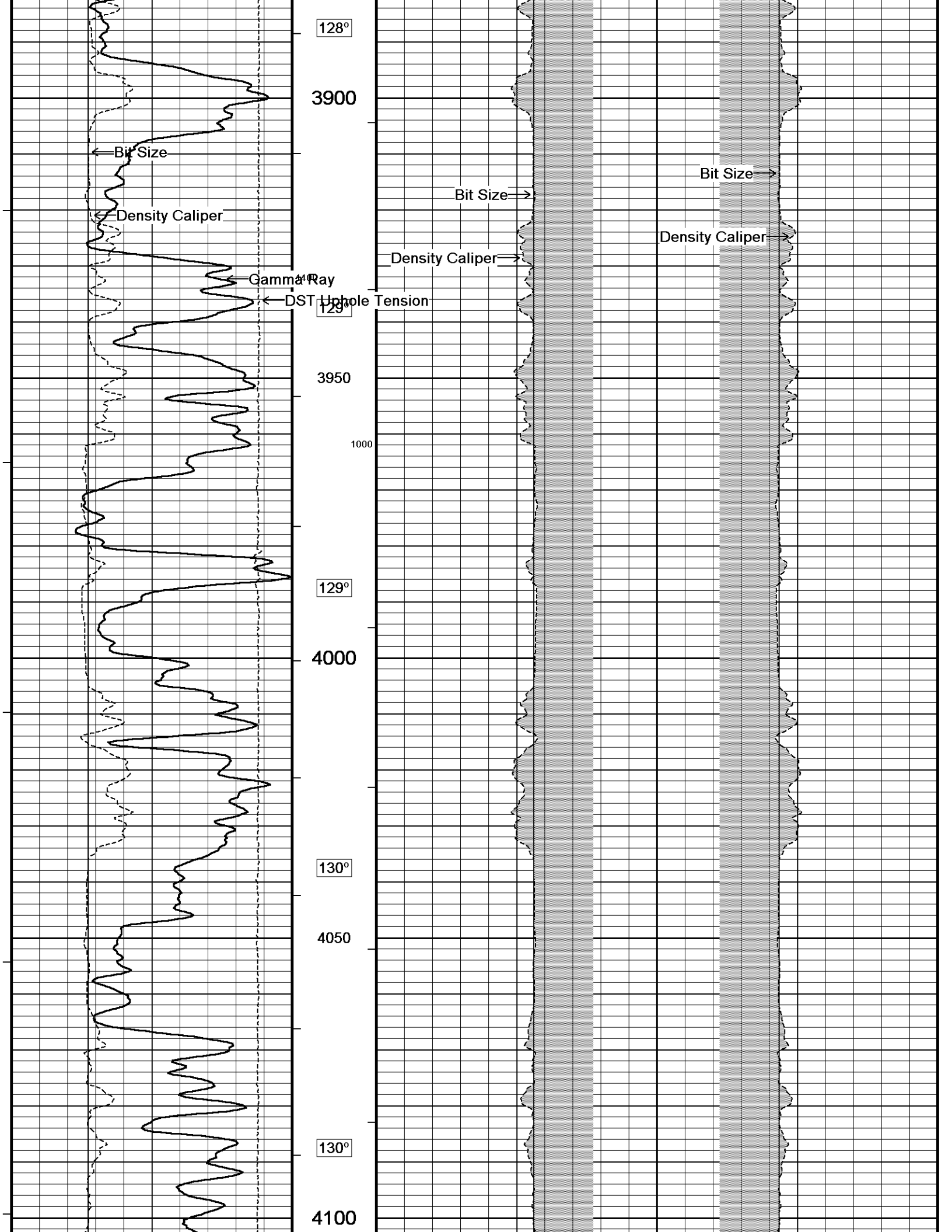


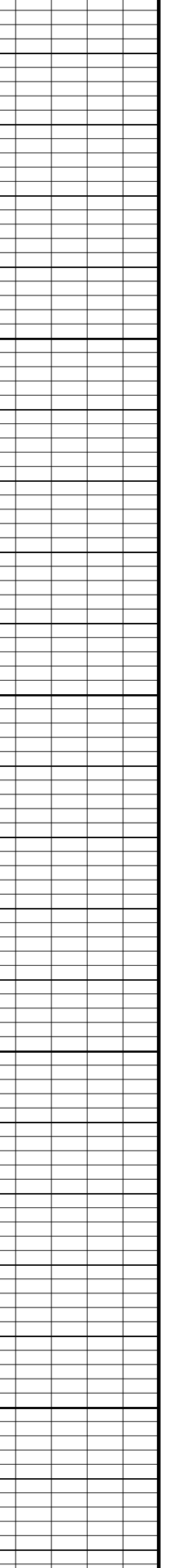
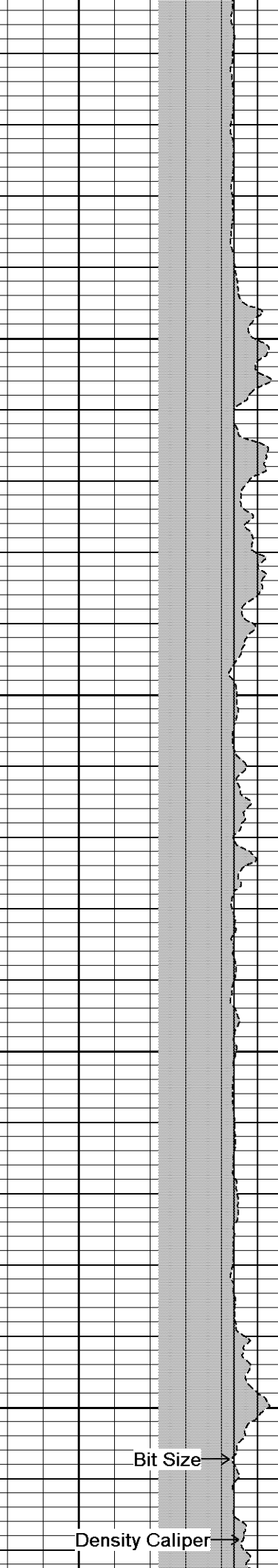
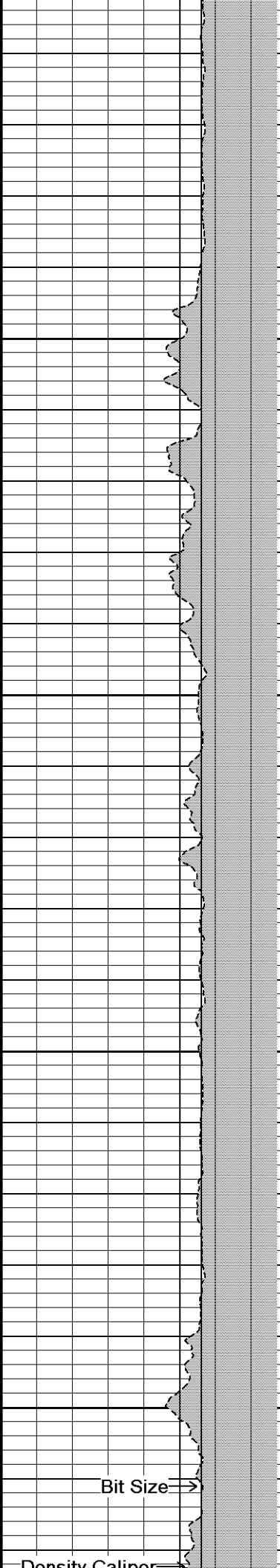
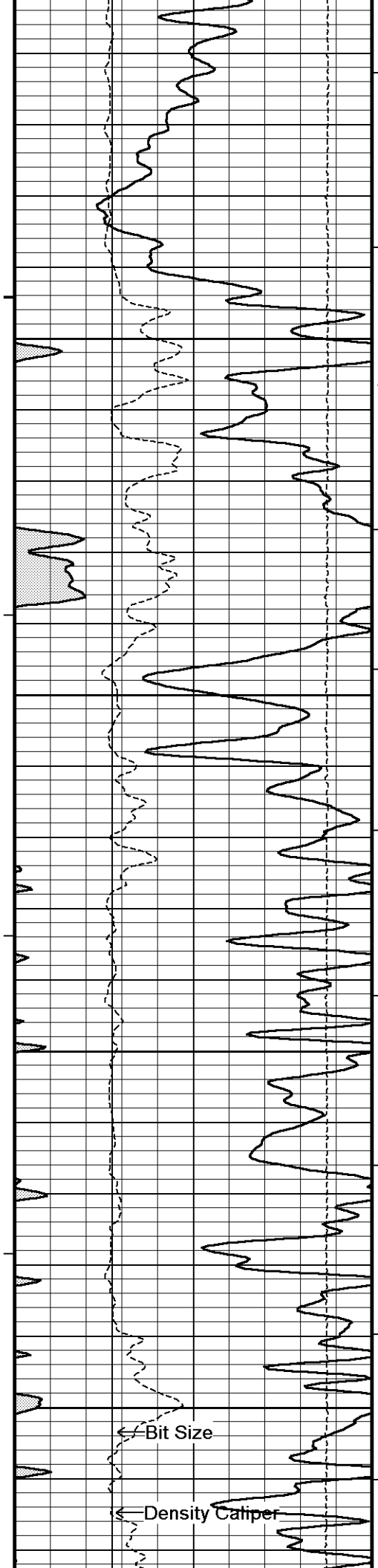


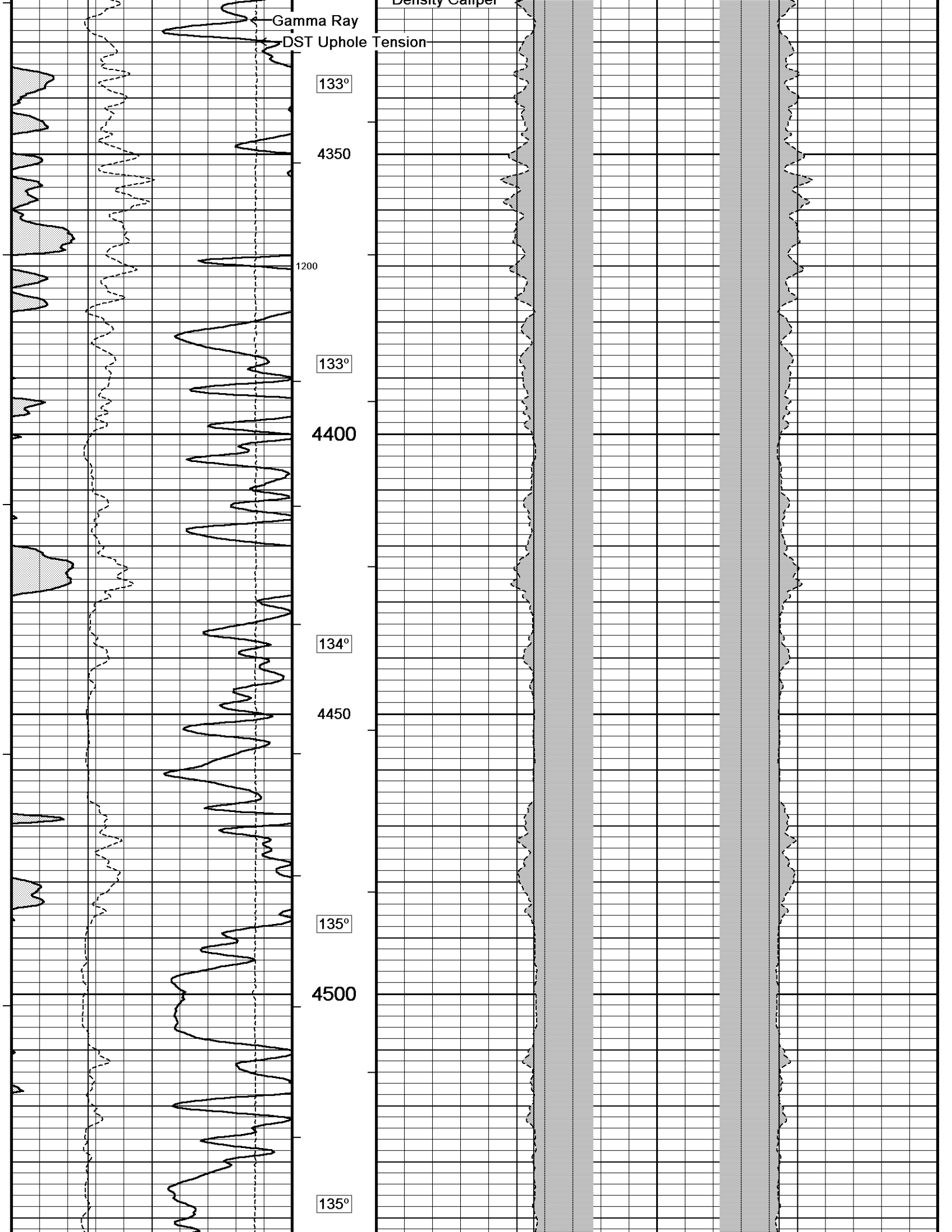


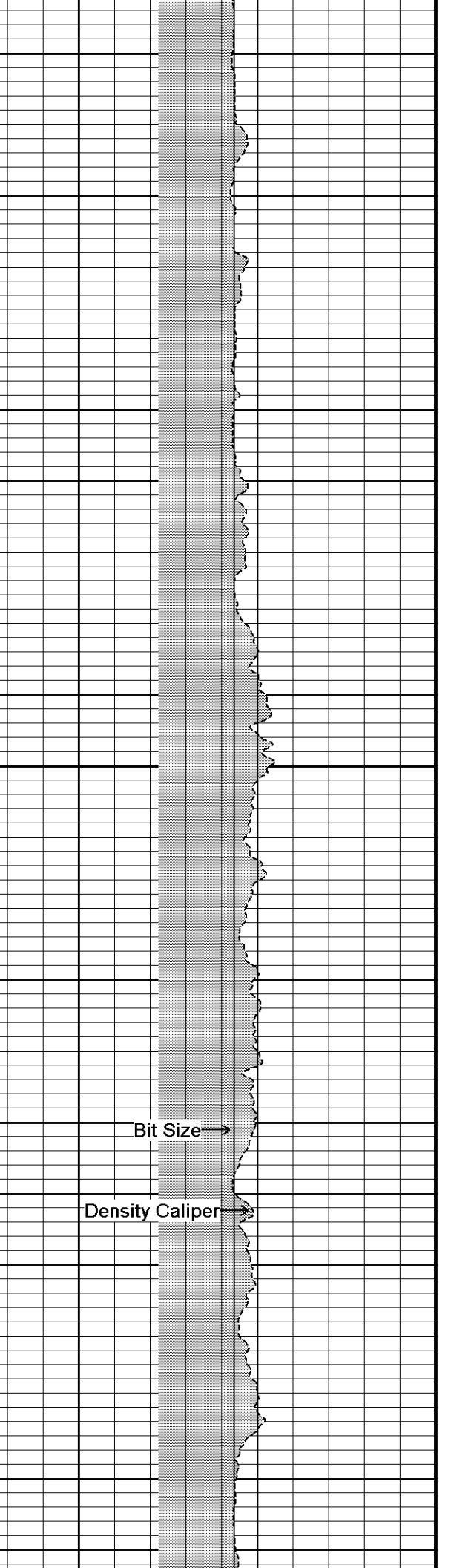
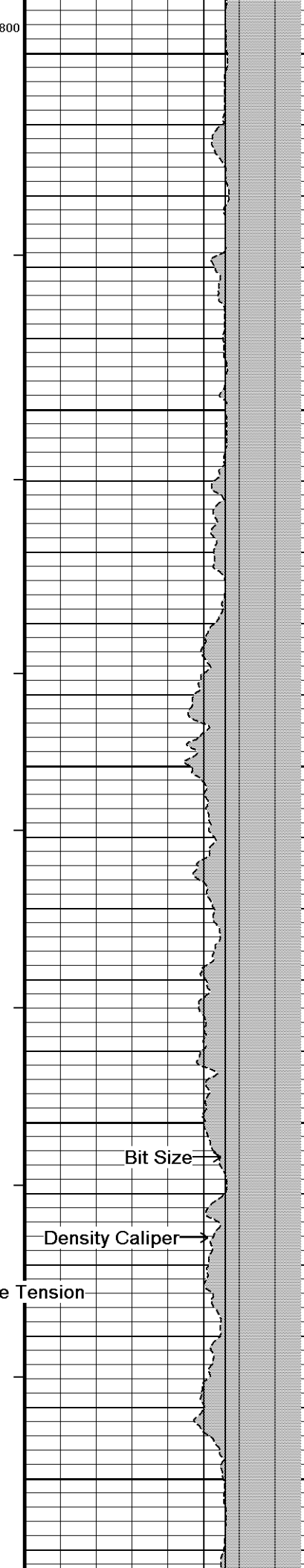
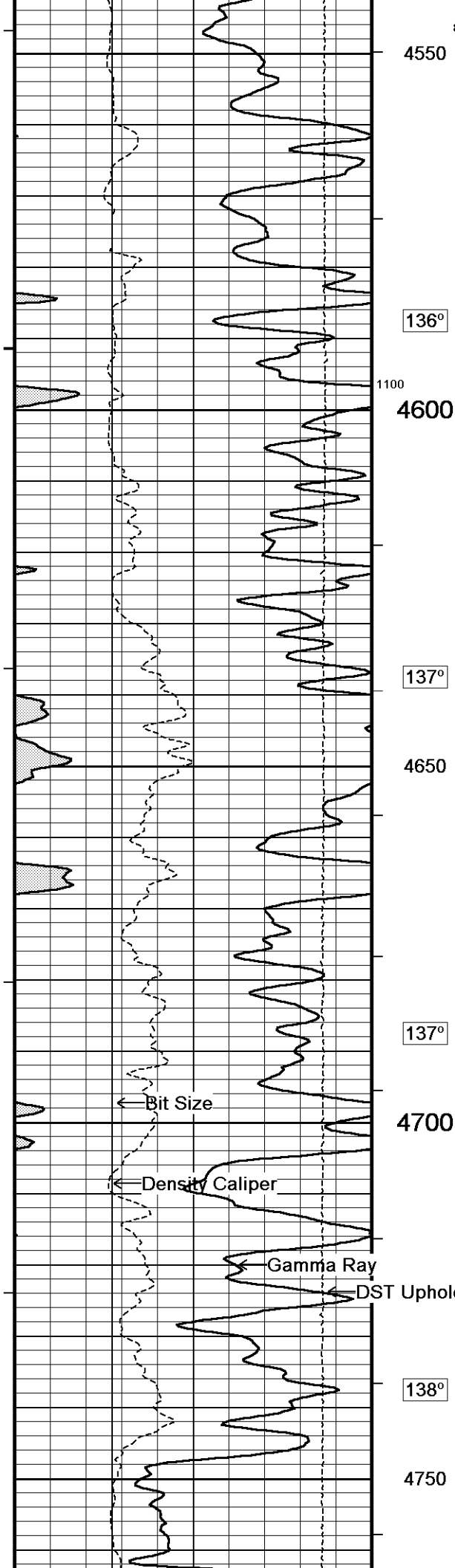
1100
126°
3700
1500
127°
3750
127°
3800
128°
3850

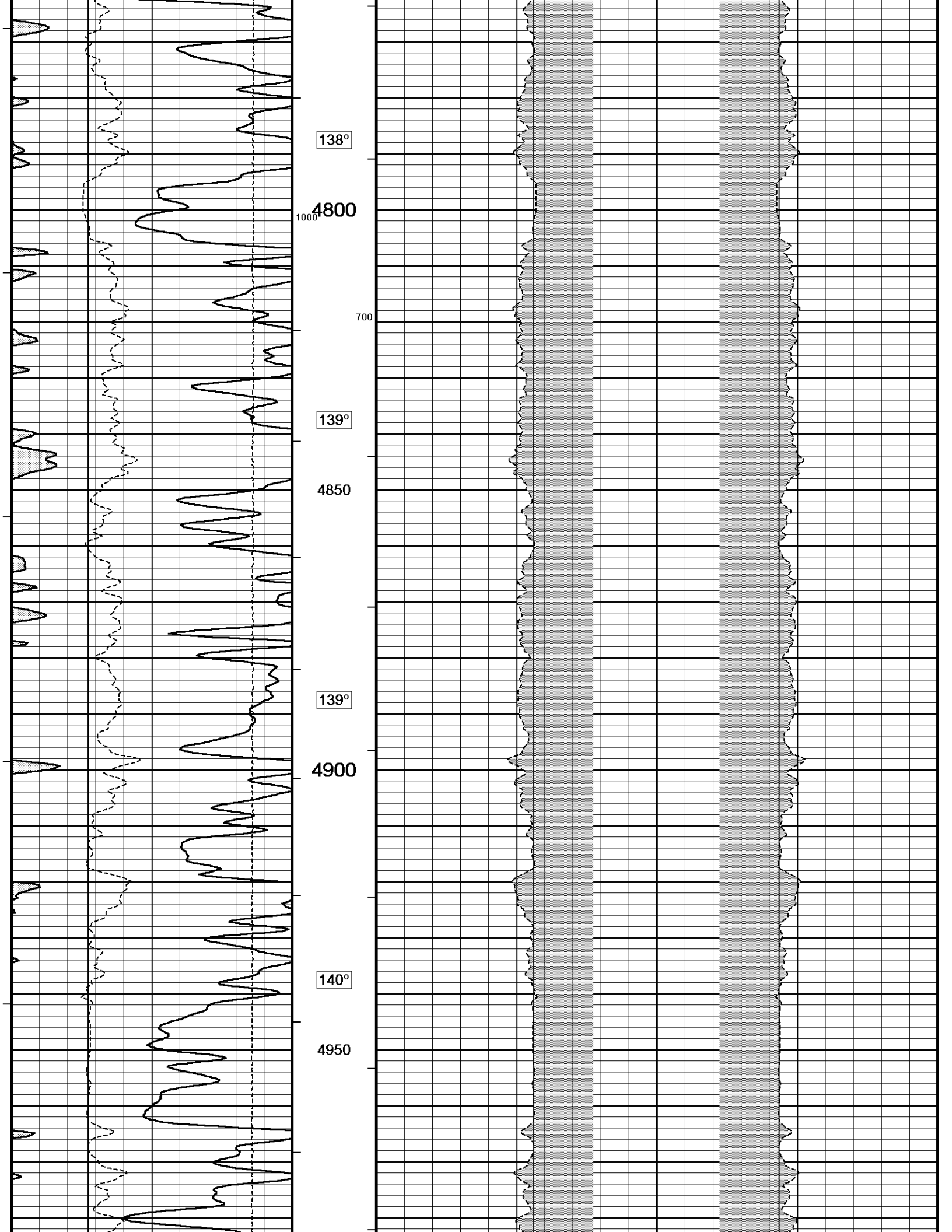


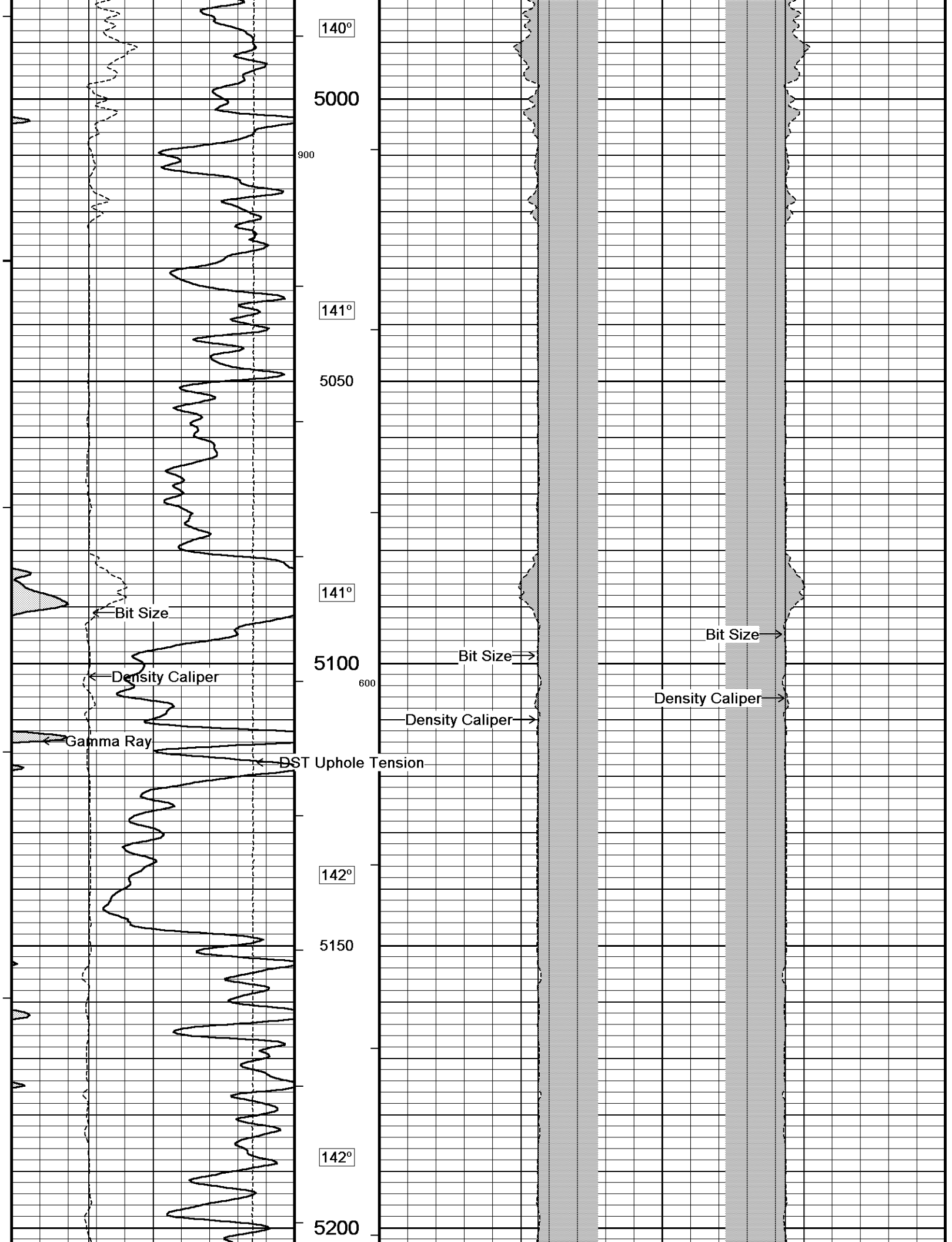


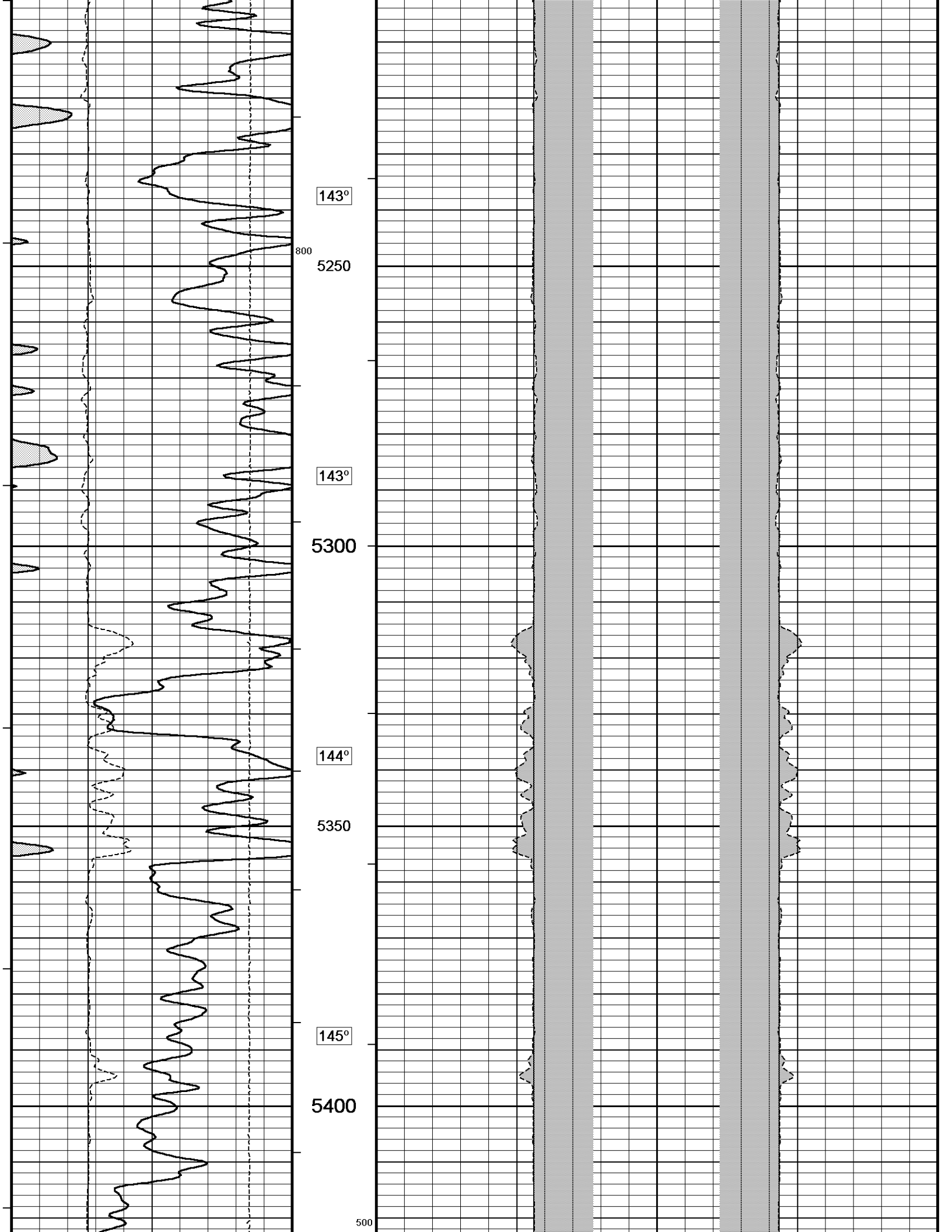


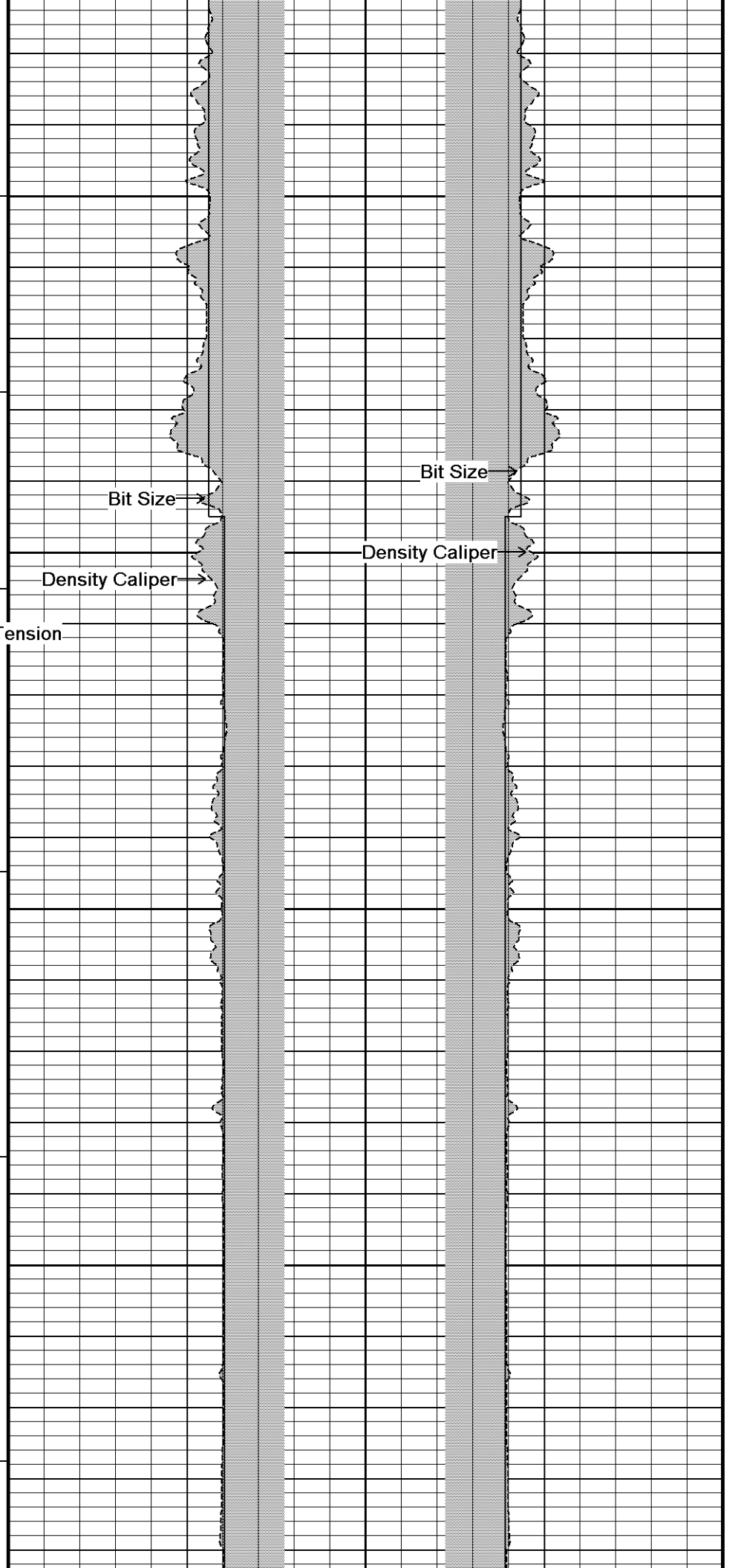
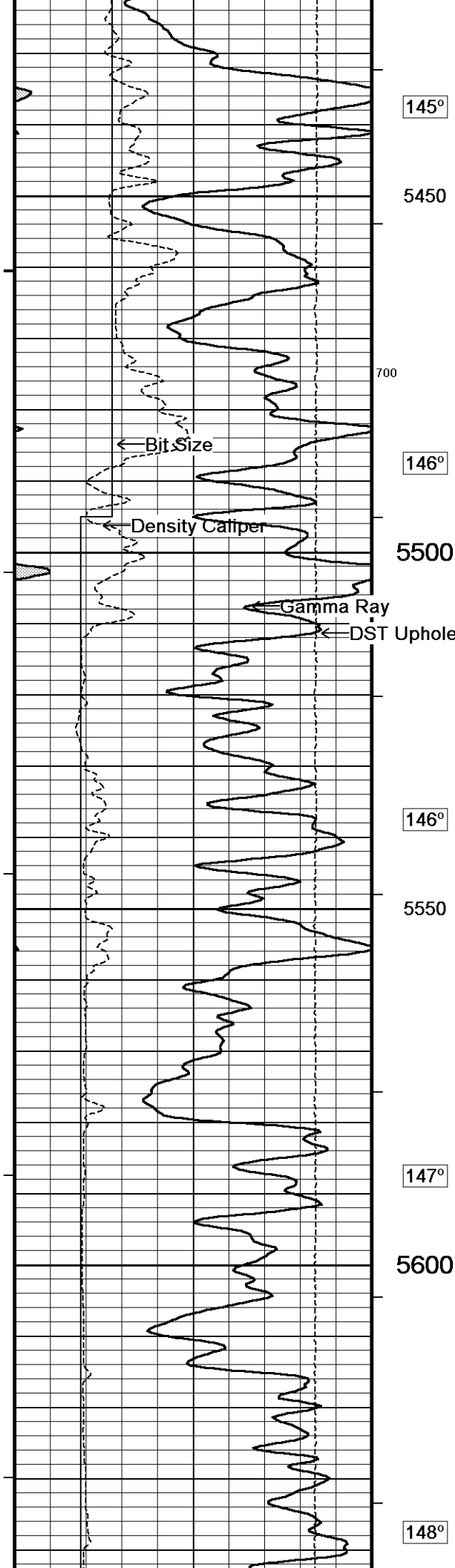


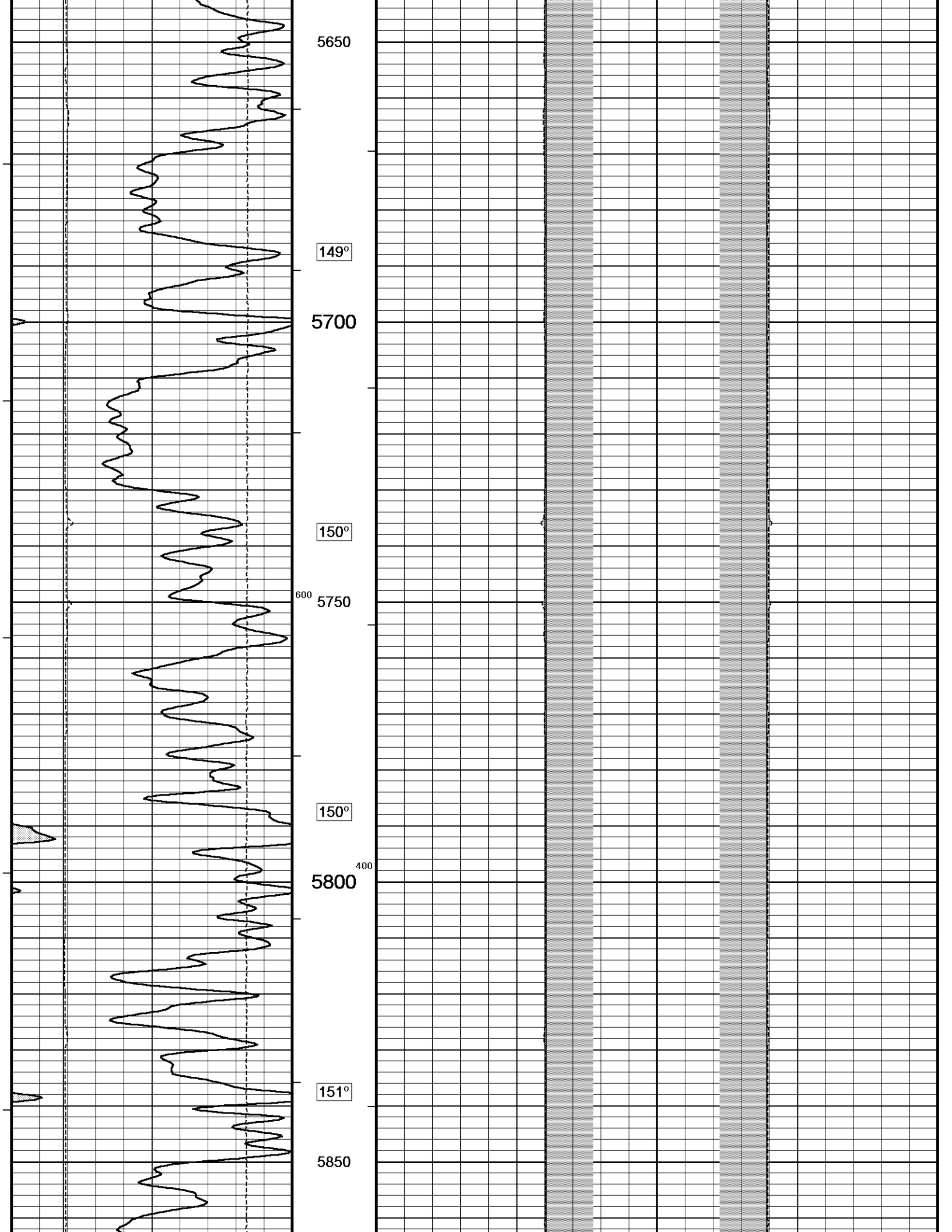


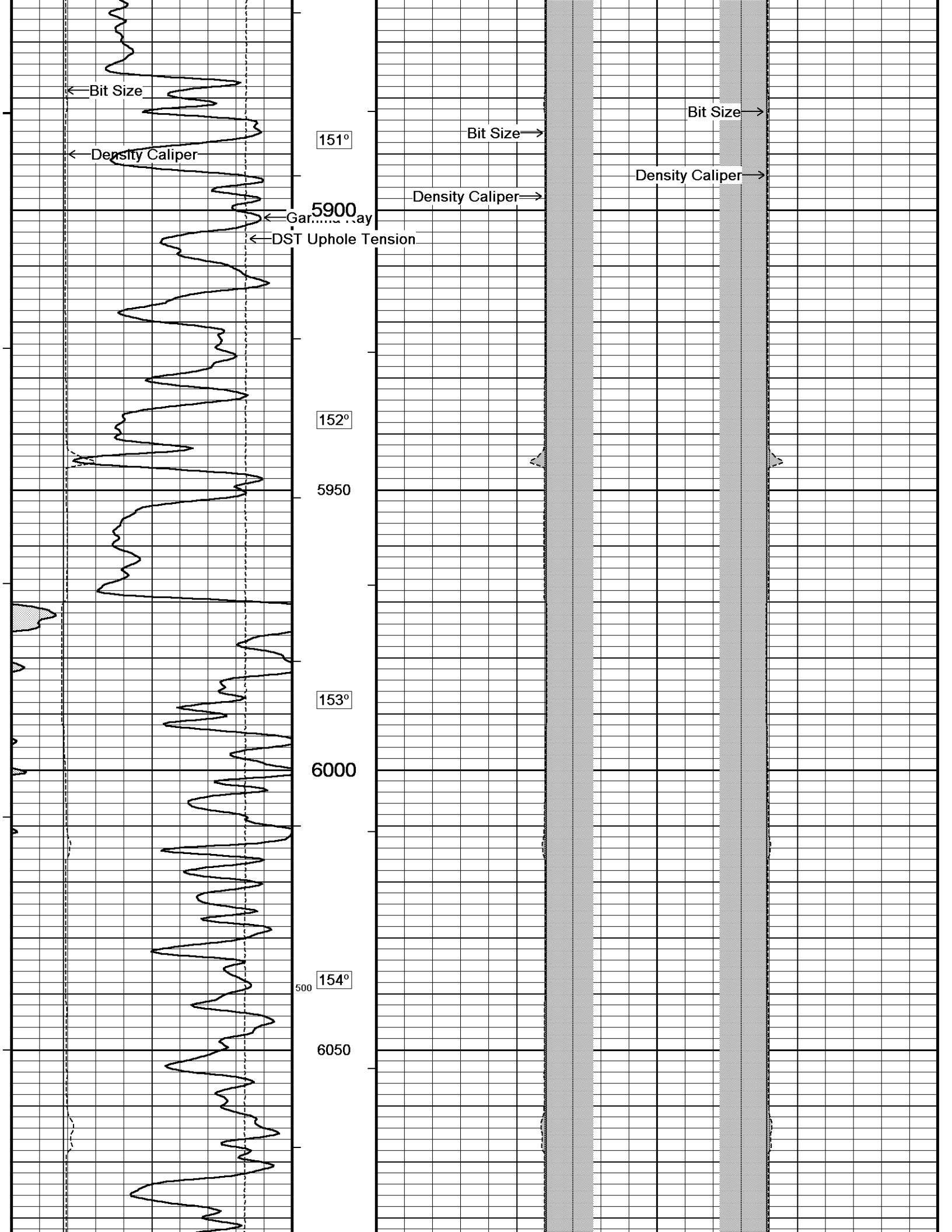


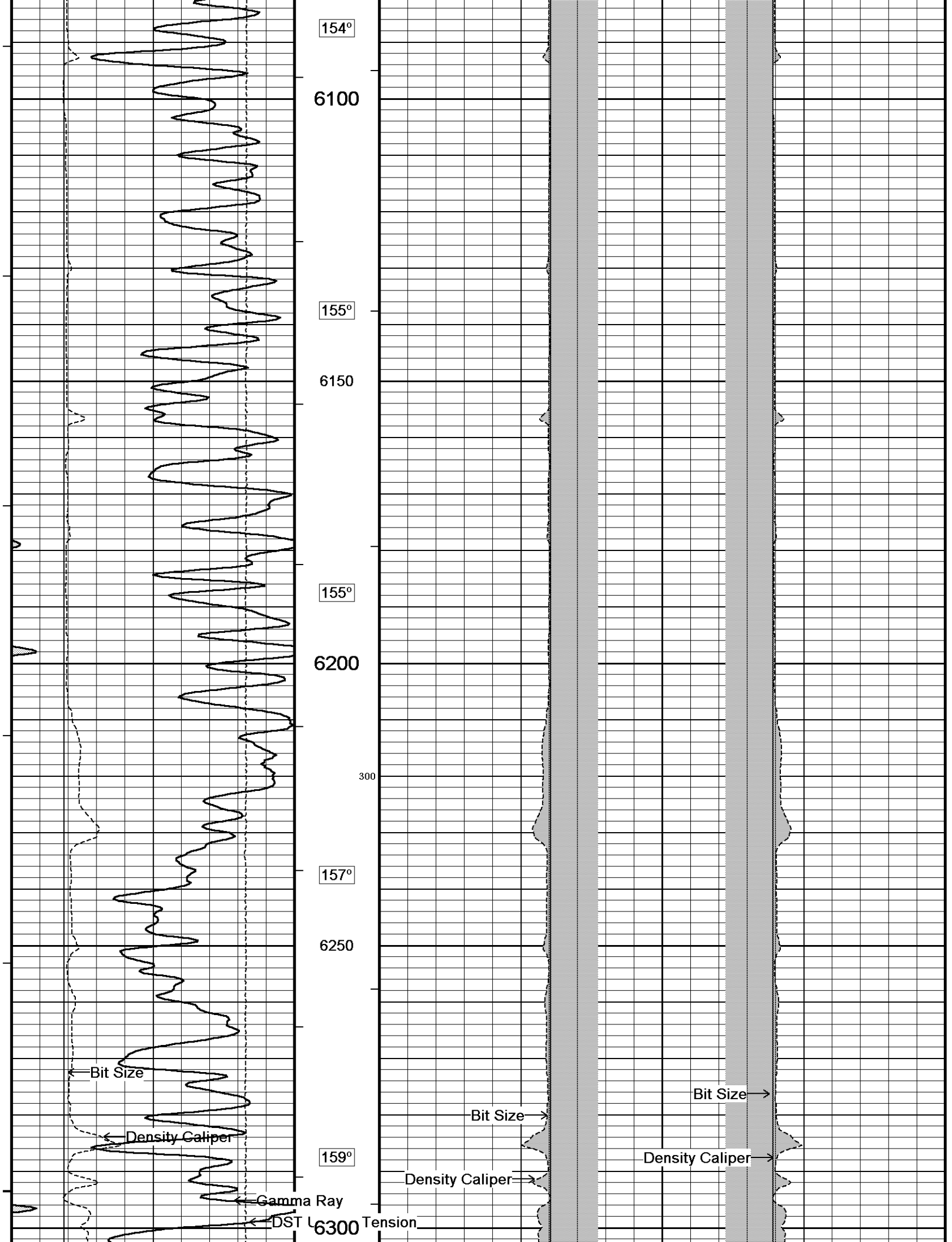


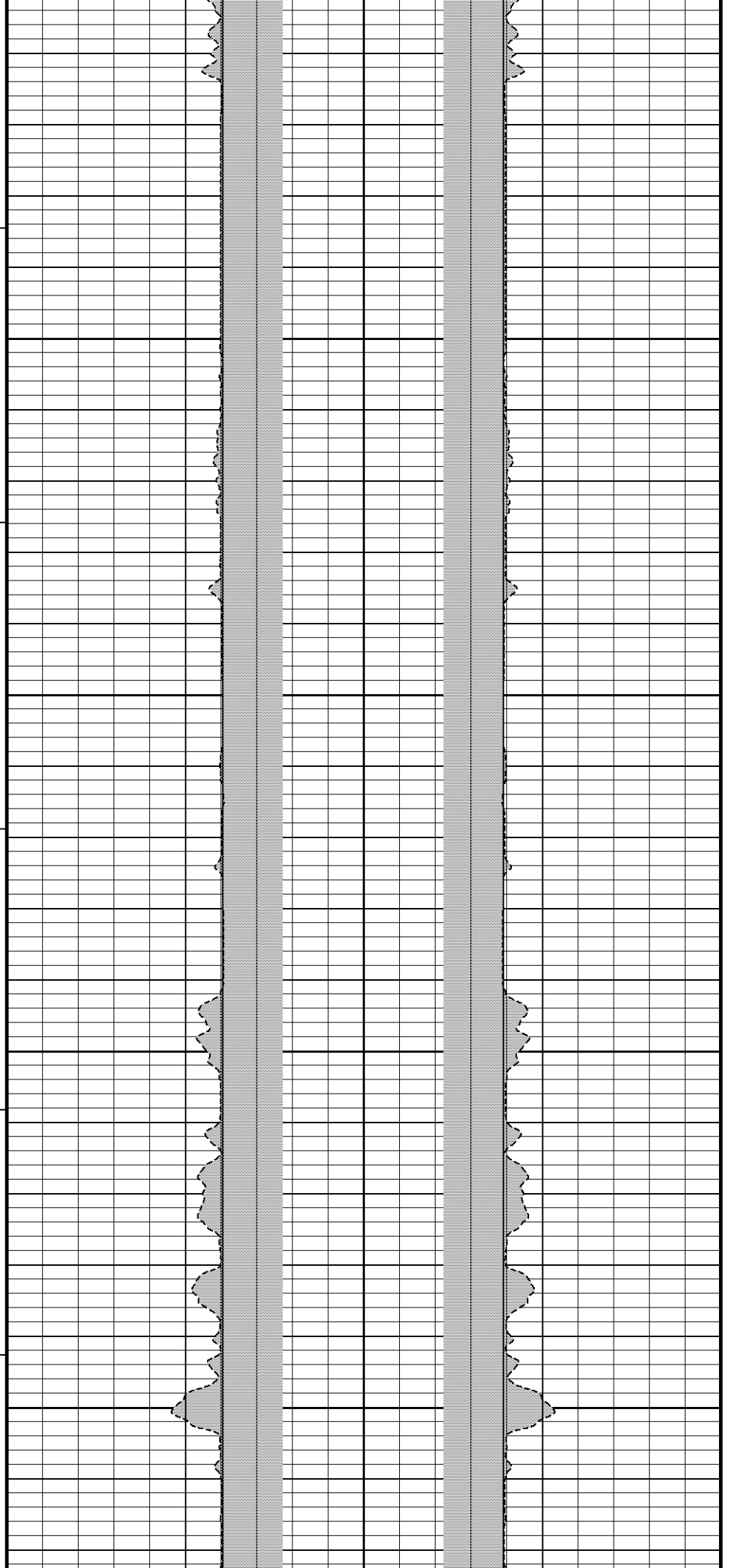
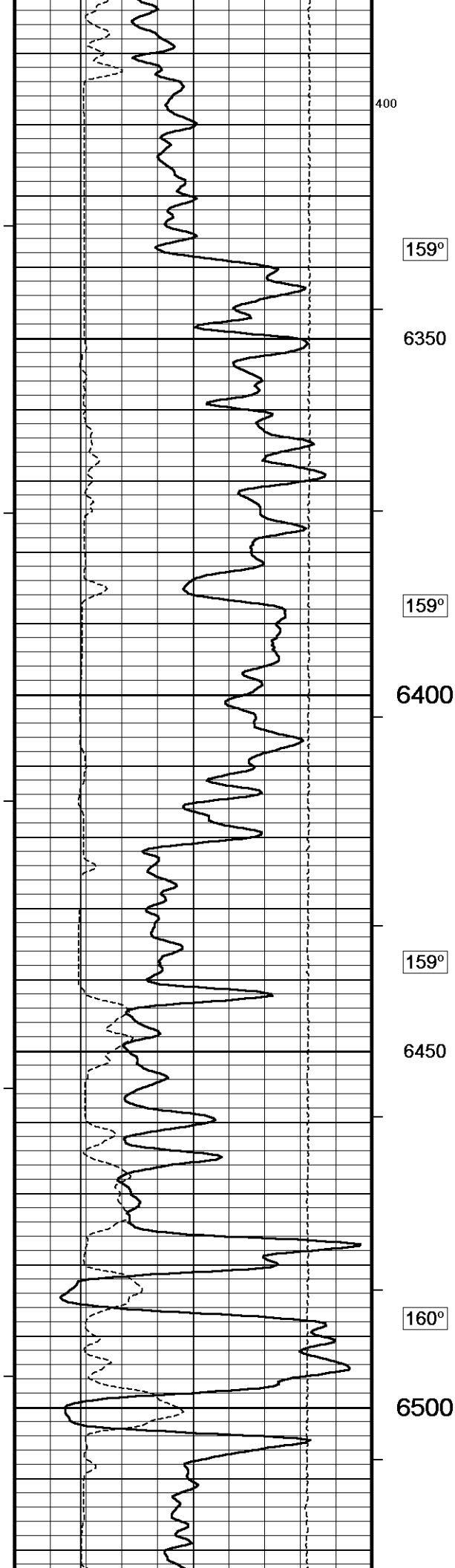


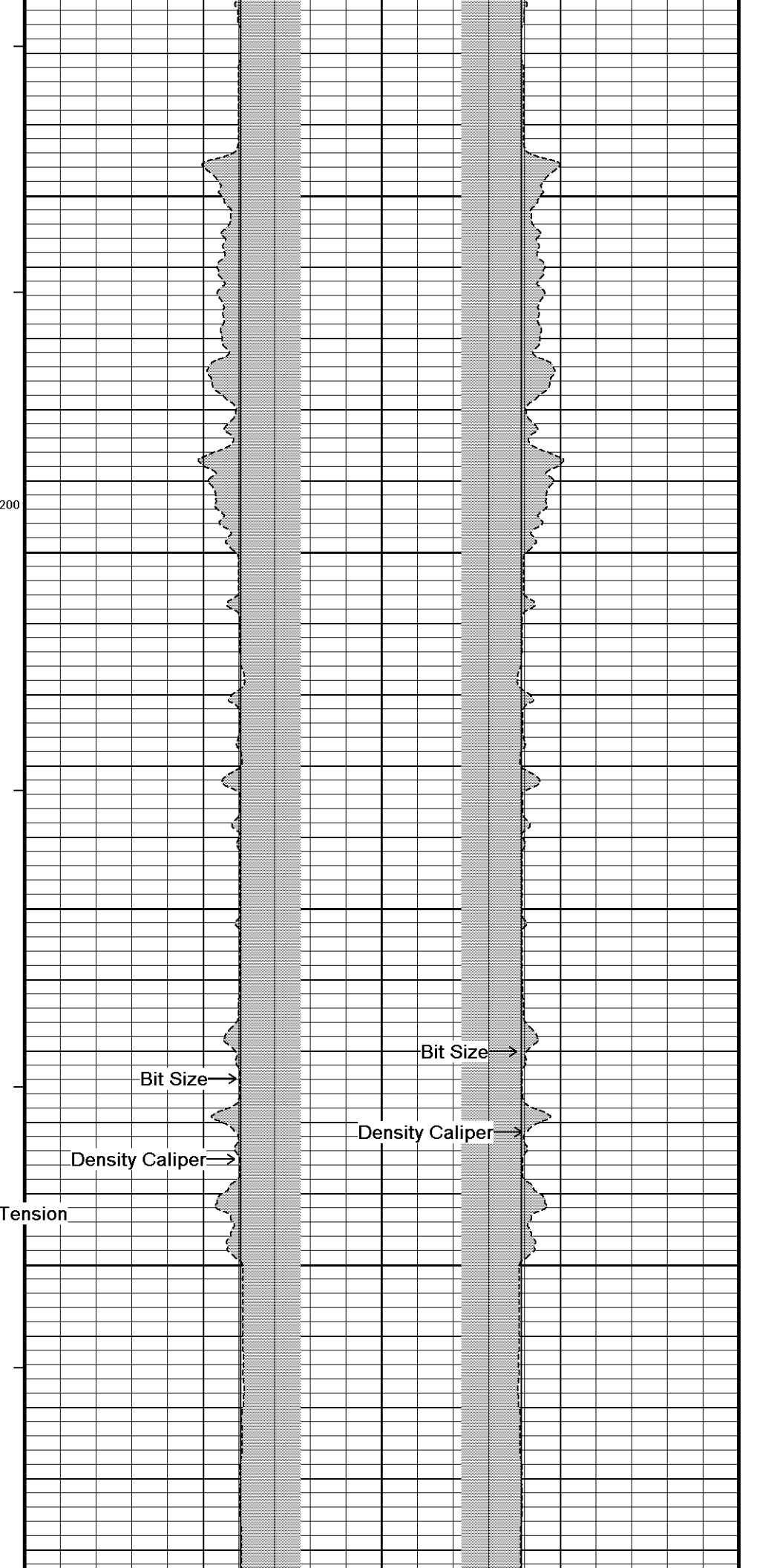
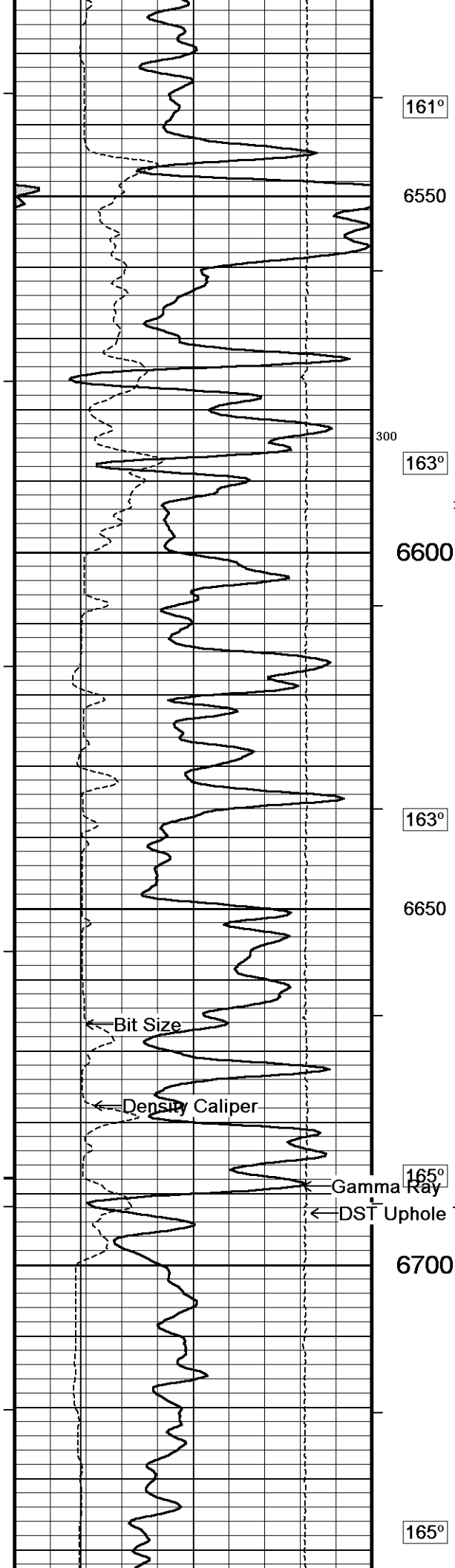


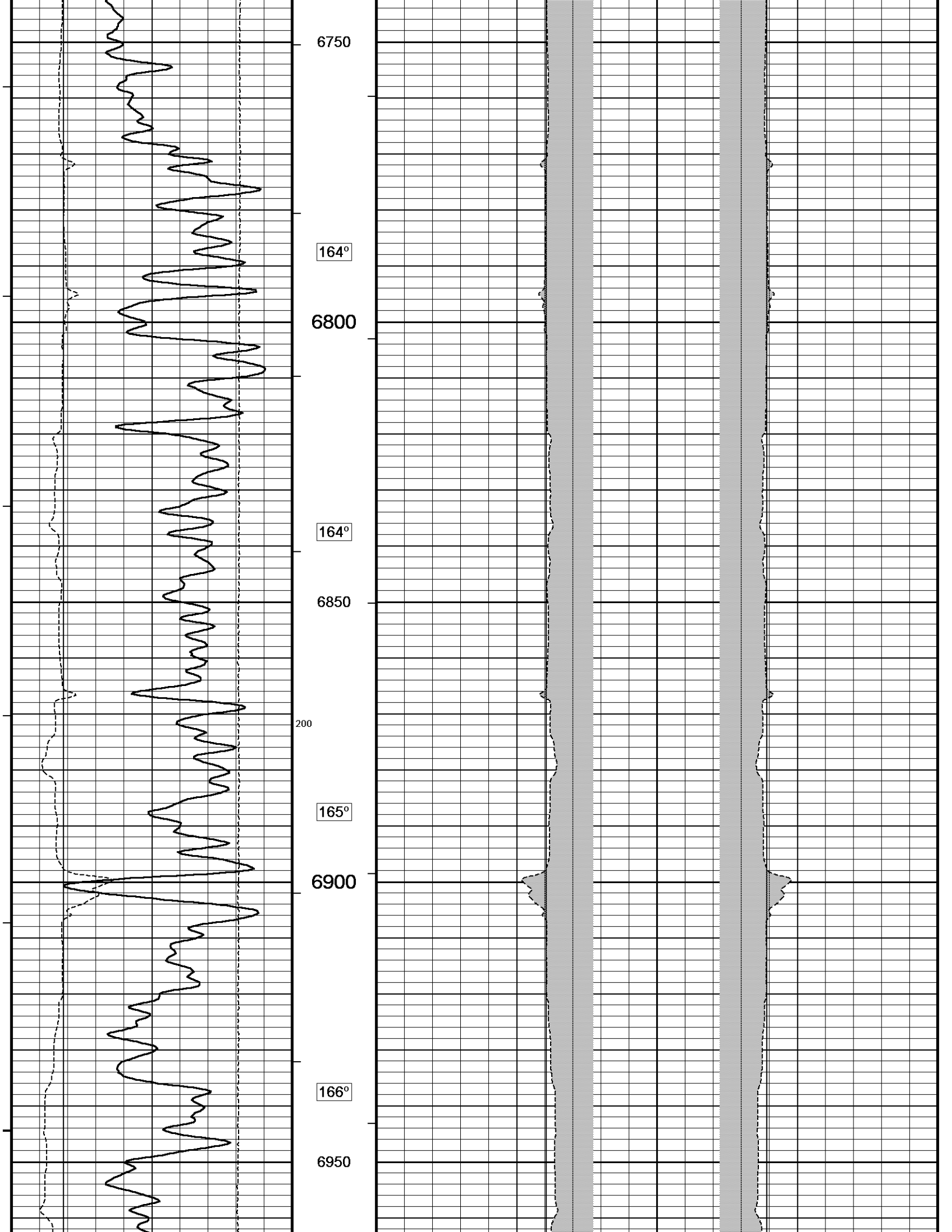


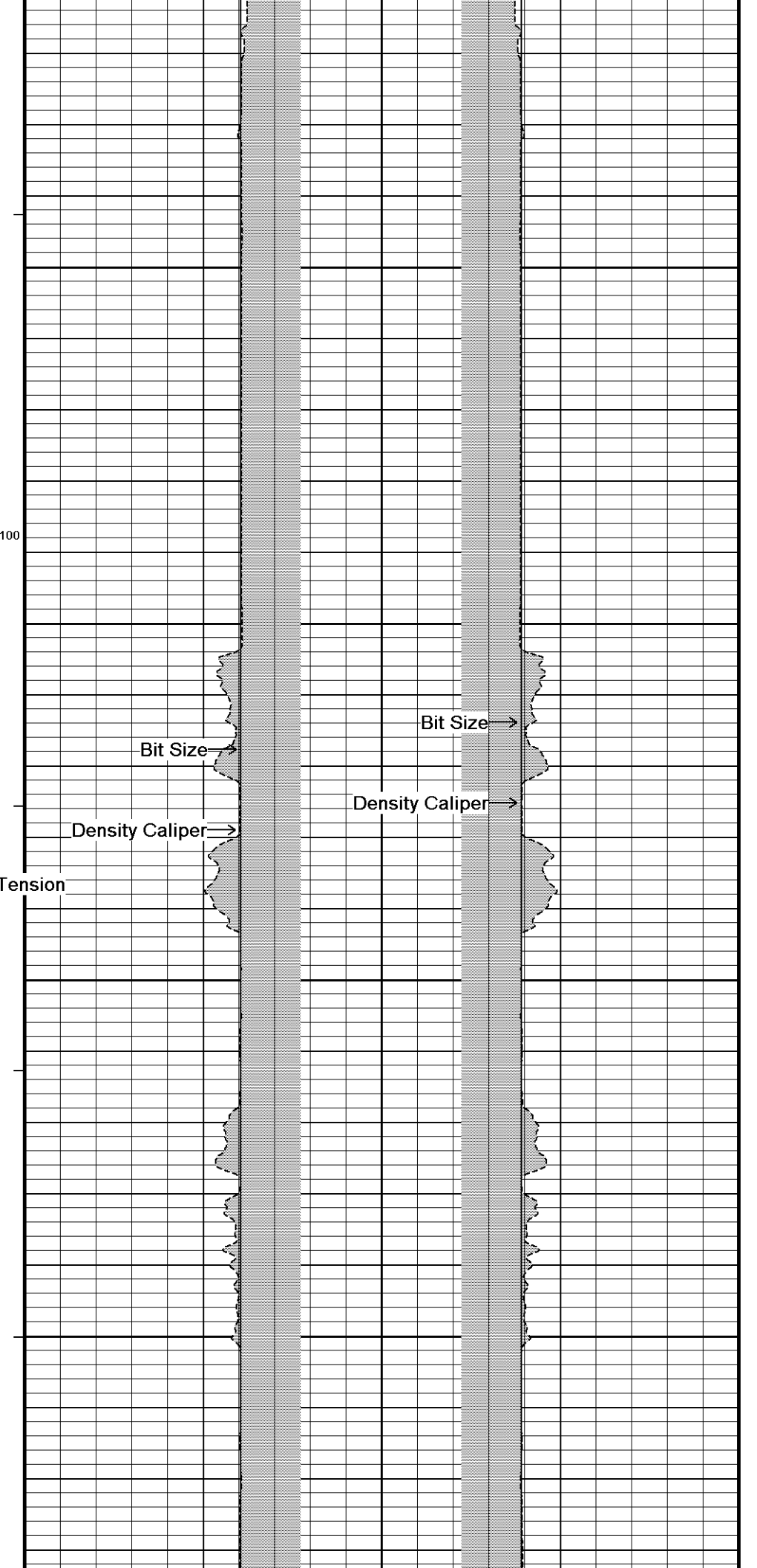
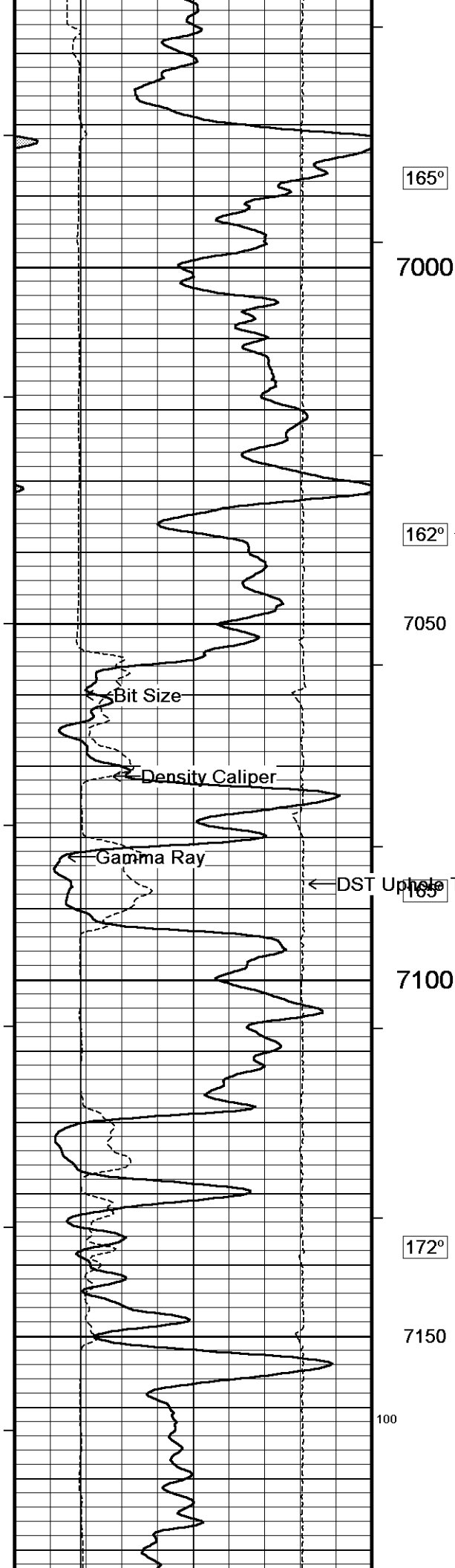


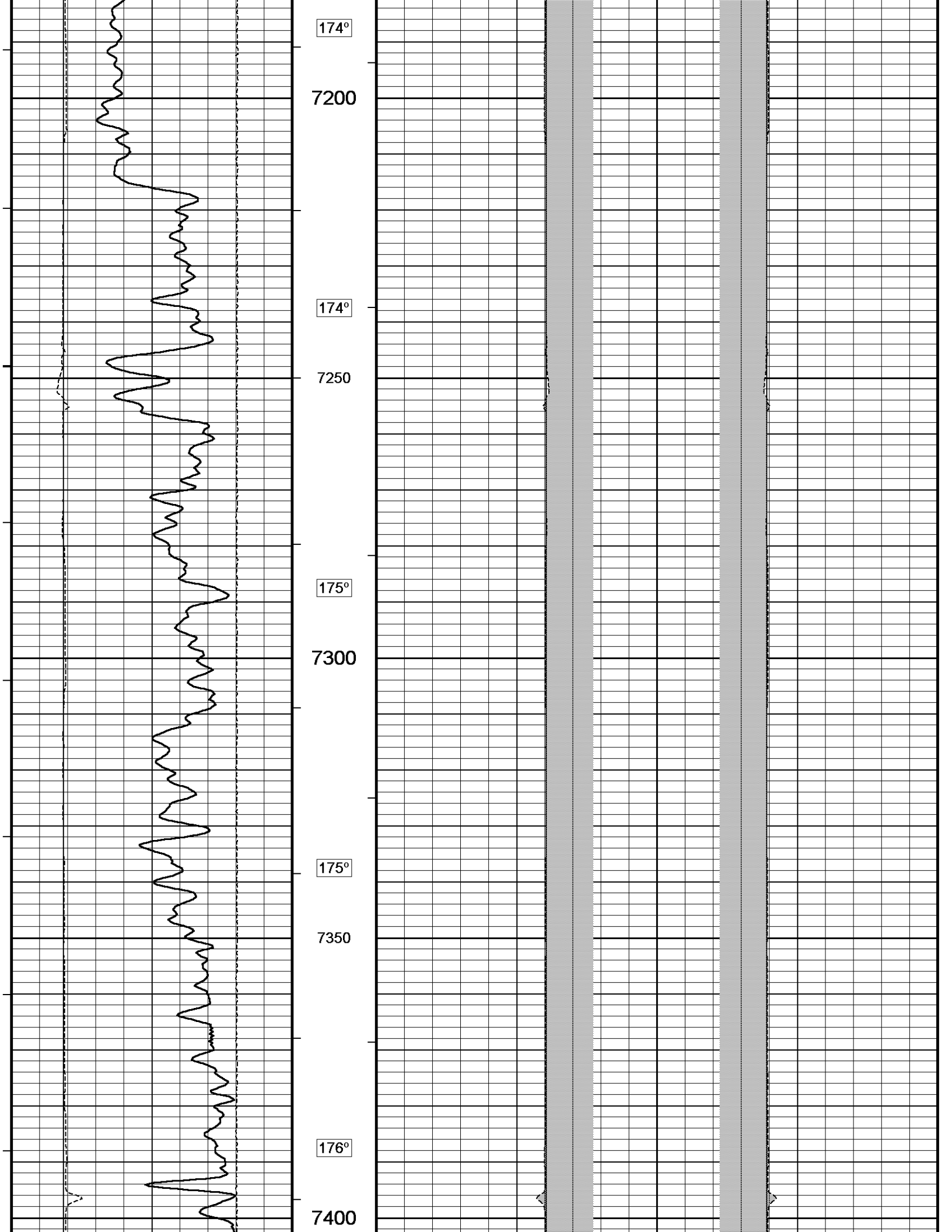


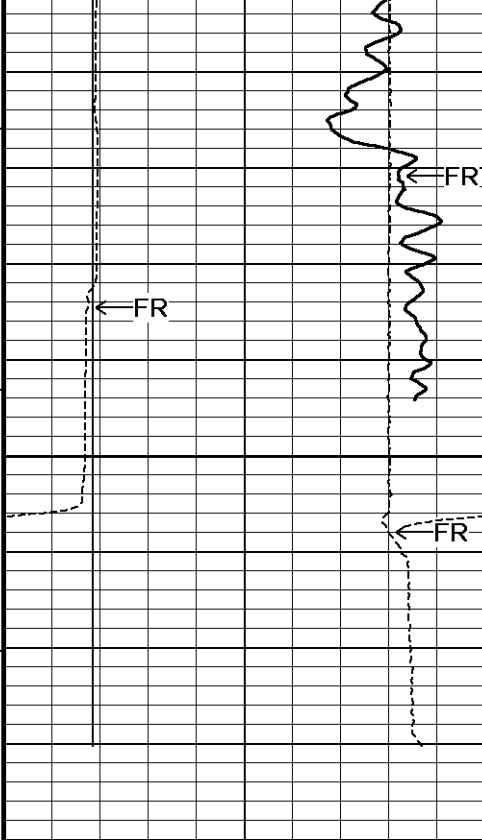












174°

7450

7488

Depth
In
Feet

Timing Marks
every 60.0 sec

DST Uphole Tension(SMTU)
pounds
10000 5000 0

Gamma Ray(GRGC)
API
0 75 150
150 225 300

Density Caliper(CLDC)
inches
6 11 16

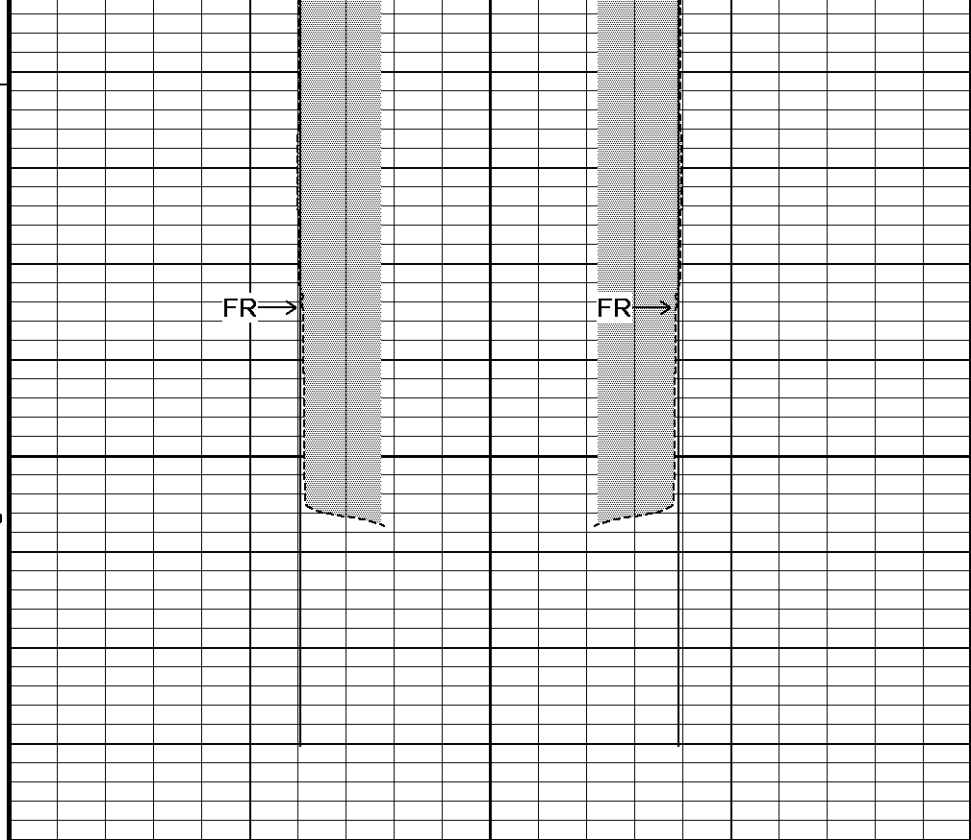
Bit Size(BIT)
inches
6 11 16

Borehole
Temp in
deg F

HVI
every
10 cu ft

Annular
Integral
every
10 cu ft

Replay
Scale
1:240



Density Caliper(CLDC)
inches
20 10 0 0 10 20

Bit Size(BIT)
inches
20 10 0 0 10 20

Casing Size(CASE)
inches
20 10 0 0 10 20

Depth Based Data - Maximum Sampling Increment 10.0cm
Filename: C:\Minimus\Logs\Bill Barrett\GGU Swanson 32C-29-691\MAIN2.dta
System Versions: Logged with 11.01.2198 Plotted with 11.01.2198
Plotted on 18-FEB-2011 18:43
Recorded on 18-FEB-2011 14:55

MAIN2

DOWNHOLE EQUIPMENT

C:\Minimus\Logs\Bill Barrett\GGU Swanson 32C-29-691\MAIN2.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

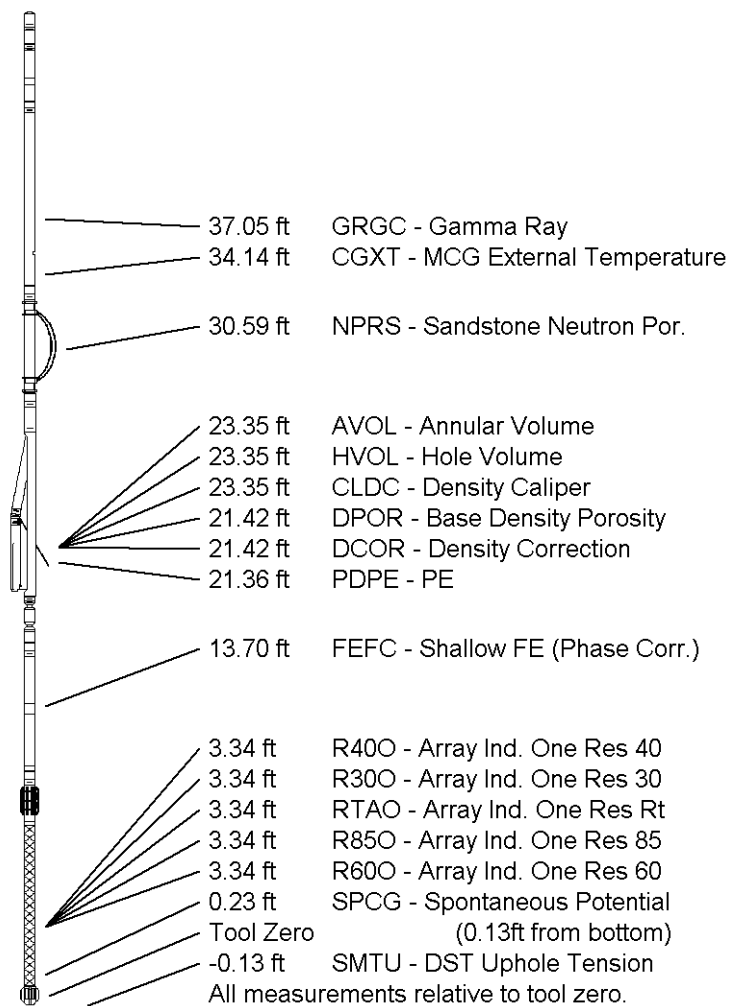
Compact Density/Caliper
MPD-B 167 LG: 9.59 ft WT: 90.4 lb OD: 2.45 in

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 SWANSON 32C-29-691
FIELD	GIBSON GULCH
PROVINCE/COUNTY	GARFIELD
COUNTRY/STATE	U.S.A. / COLORADO

Elevation Kelly Bushing	6127.00	feet	First Reading	7435.00	
Elevation Drill Floor	6126.00	feet	Depth Driller	7458.00	feet
Elevation Ground Level	6104.00	feet	Depth Logger	7458.00	feet



Weatherford®

HOLE VOLUME
CALIPER LOG

