

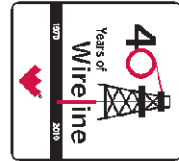


Weatherford®

HOLE VOLUME

CALIPER LOG

COMPANY **BILL BARRETT CORPORATION**
 WELL **GGU FEDERAL 31D-29-691**
 FIELD **GIBSON GULCH**
 PROVINCE/COUNTY **GARFIELD**
 COUNTRY/STATE **U.S.A. / COLORADO**
 LOCATION **SHL: 1206' FNL & 1353' FEL**
BHL: 165' FNL & 1990' FEL



SEC **TWP** **RGE** **Other Services**
6S **91W** **MPD/MDN**
API Number 05-045-19802 **MAI/MFE**
 Permit Number

Permanent Datum G.L., Elevation 6104 feet
 Log Measured From K.B. @ 22 FEET above Permanent Datum
 Drilling Measured From K.B.

Elevations: **feet**
KB 6126.00
DF 6125.00
GL 6104.00

Date	06-MAR-2011	
Run Number	ONE	
Depth Driller	7575.00	feet
Depth Logger	7589.00	feet
First Reading	7556.00	
Last Reading	763.00	
Casing Driller	764.00	feet
Casing Logger	763.00	feet
Bit Size	7.875	inches
Hole Fluid Type	LSND	
Density / Viscosity	10.50 lb/USg	49.00 CP
PH / Fluid Loss	9.80	5.00 ml/30Min
Sample Source	FLOW LINE	
Rm @ Measured Temp	4.87 @ 48.0	ohm-m
Rmf @ Measured Temp	3.90 @ 48.0	ohm-m
Rmc @ Measured Temp	5.84 @ 48.0	ohm-m
Source Rmf / Rmc	CALC	CALC
Rm @ BHT	1.41 @172.0	ohm-m
Time Since Circulation	6 HOURS	
Max Recorded Temp	172.00	deg F
Equipment Name	COMPACT	
Equipment / Base	13144	RK SPR
Recorded By	W. HANKS	
Witnessed By	J. BOYD	

BOREHOLE RECORD

Last Edited: 06-MAR-2011 07:53

Bit Size inches	Depth From feet	Depth To feet
8.750	764.00	5494.00
7.875	5494.00	7575.00

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: (1) 8 INCH PROFILE PLATE
 MAI: (2) 1 INCH STANDOFF
 MFE: (1) 1 INCH STANDOFF
 MDN: (1) DUAL BOWSPRING

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.

TOTAL HOLE VOLUME FROM TD TO SURFACE CASING = 2760 CU.FT.

ANNULAR VOLUME WITH 4.5 INCH PRODUCTION CASING = 2007 CU.FT.

ENGINEER(S): W. HANKS

OPERATOR(S): D. SMITH

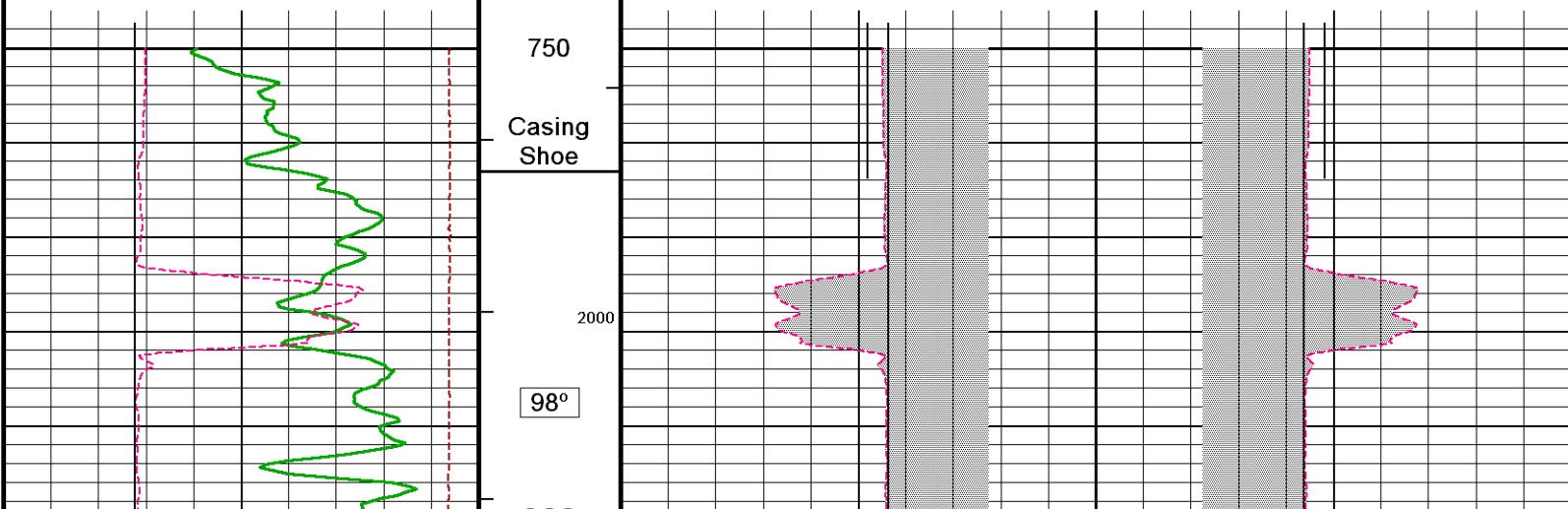
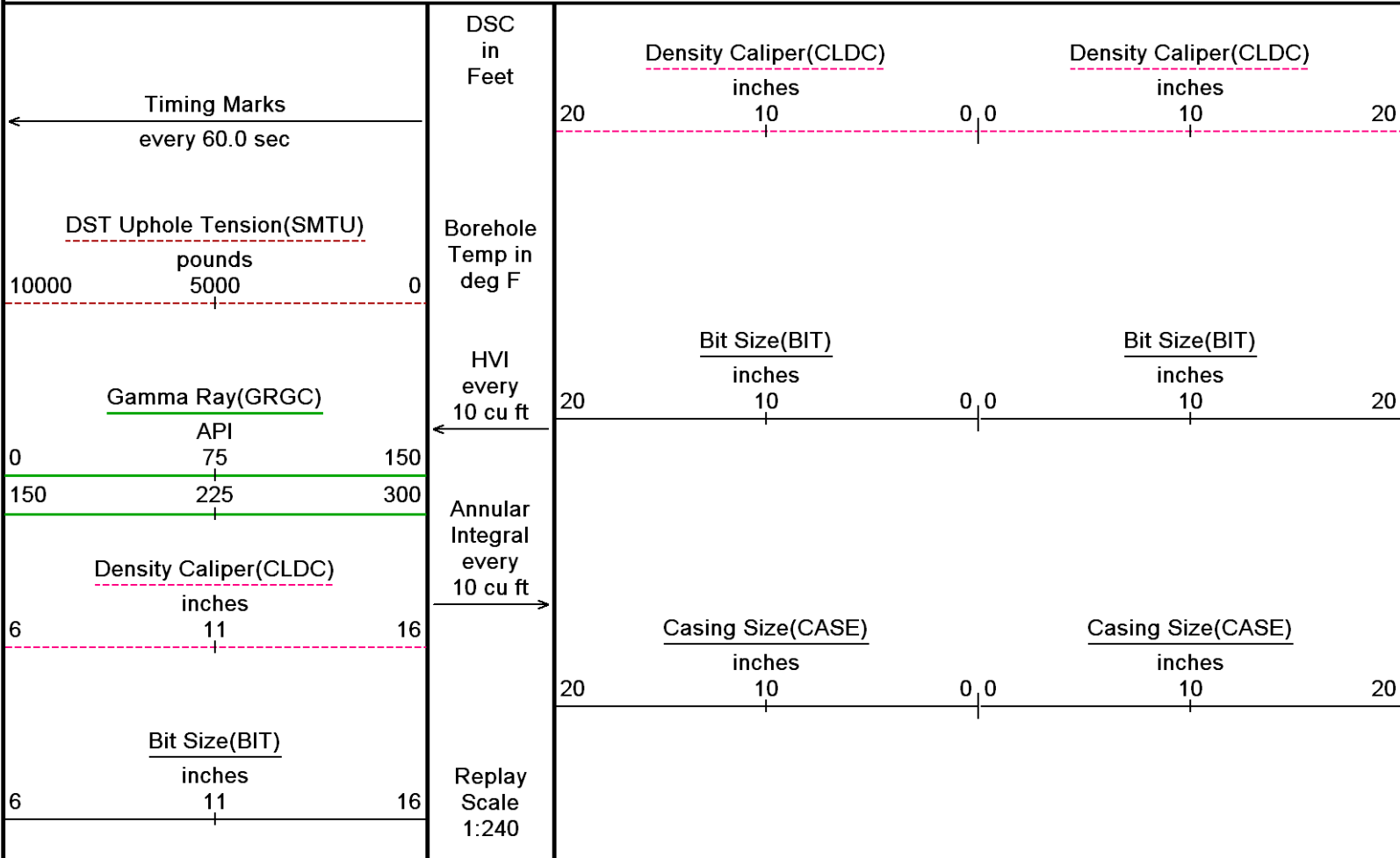
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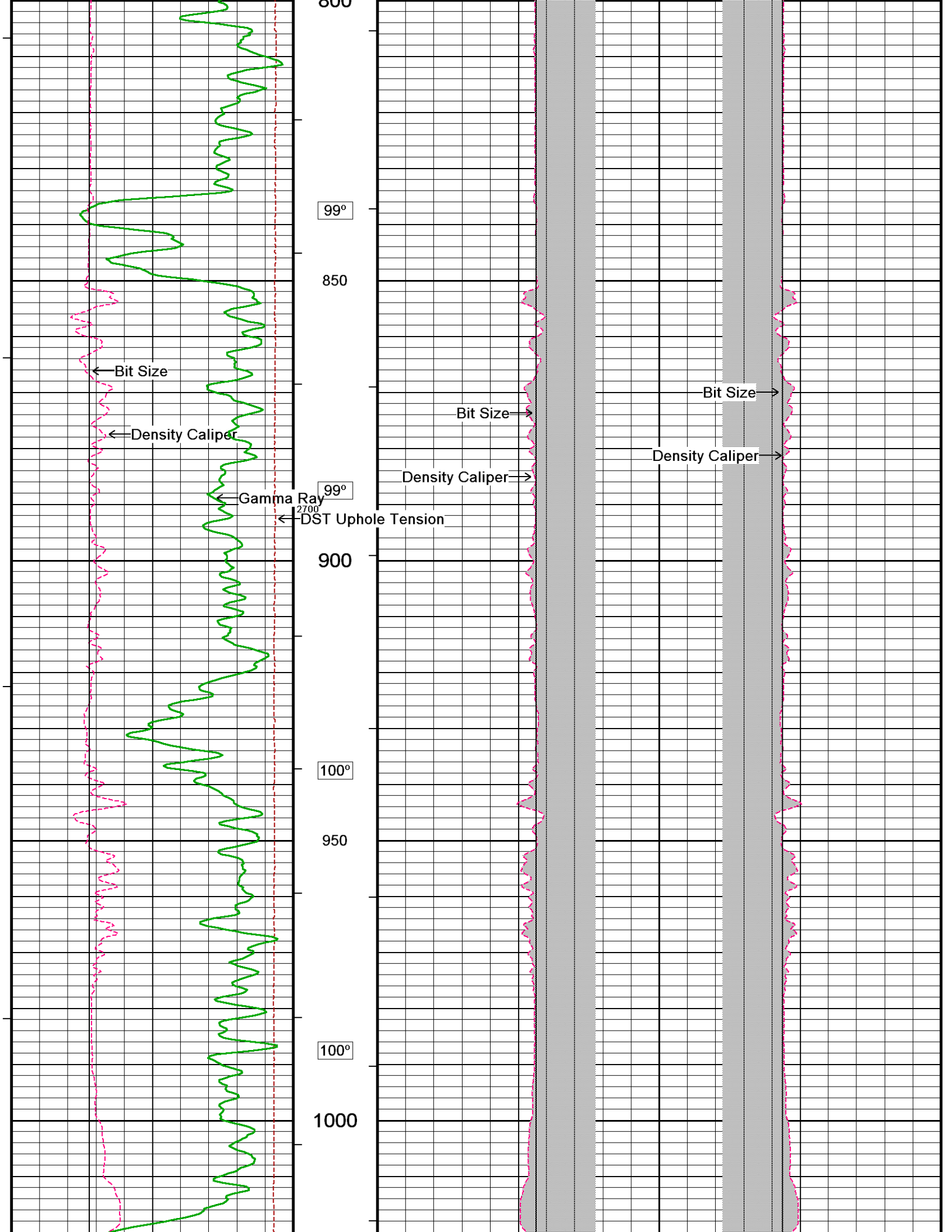
RIG: PATTERSON #307

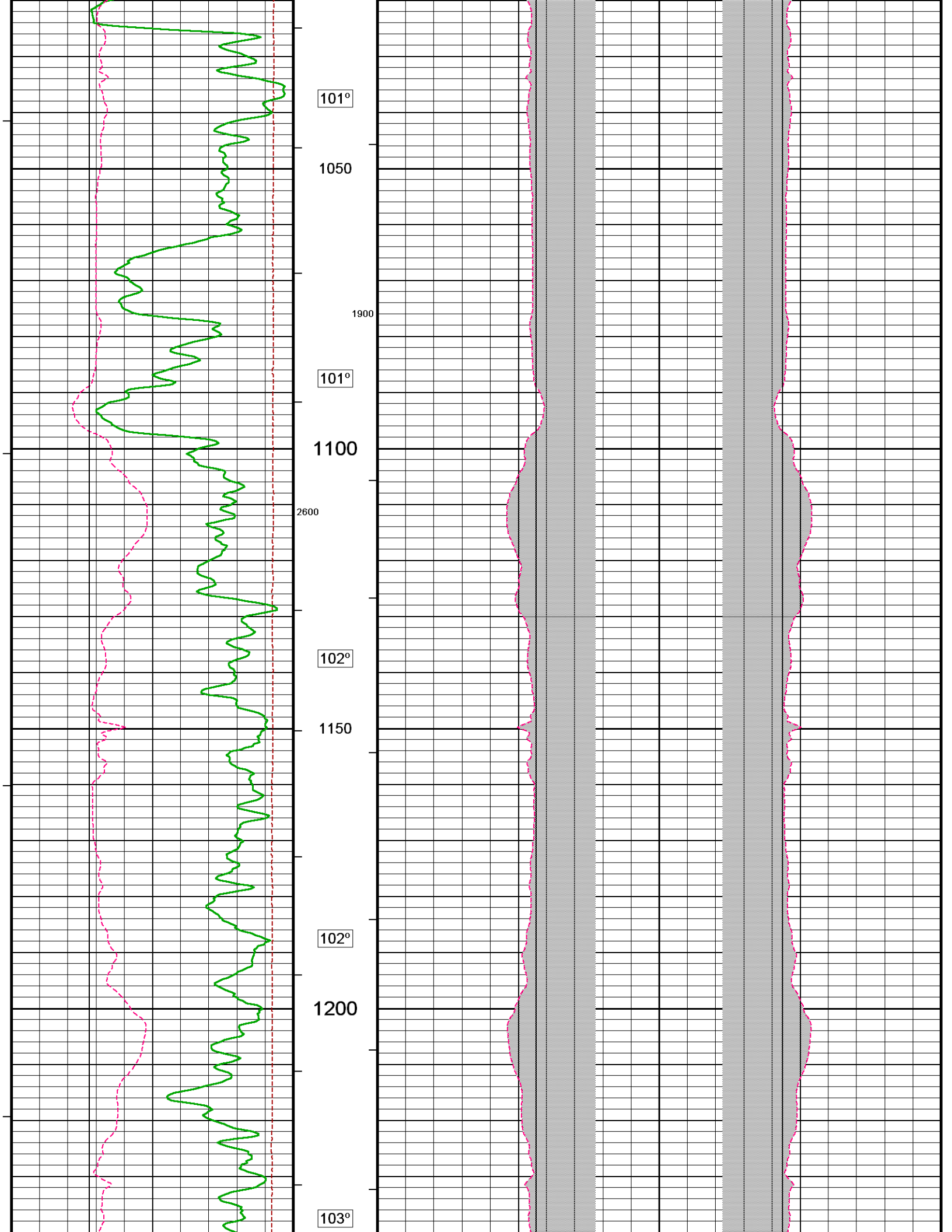
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs,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

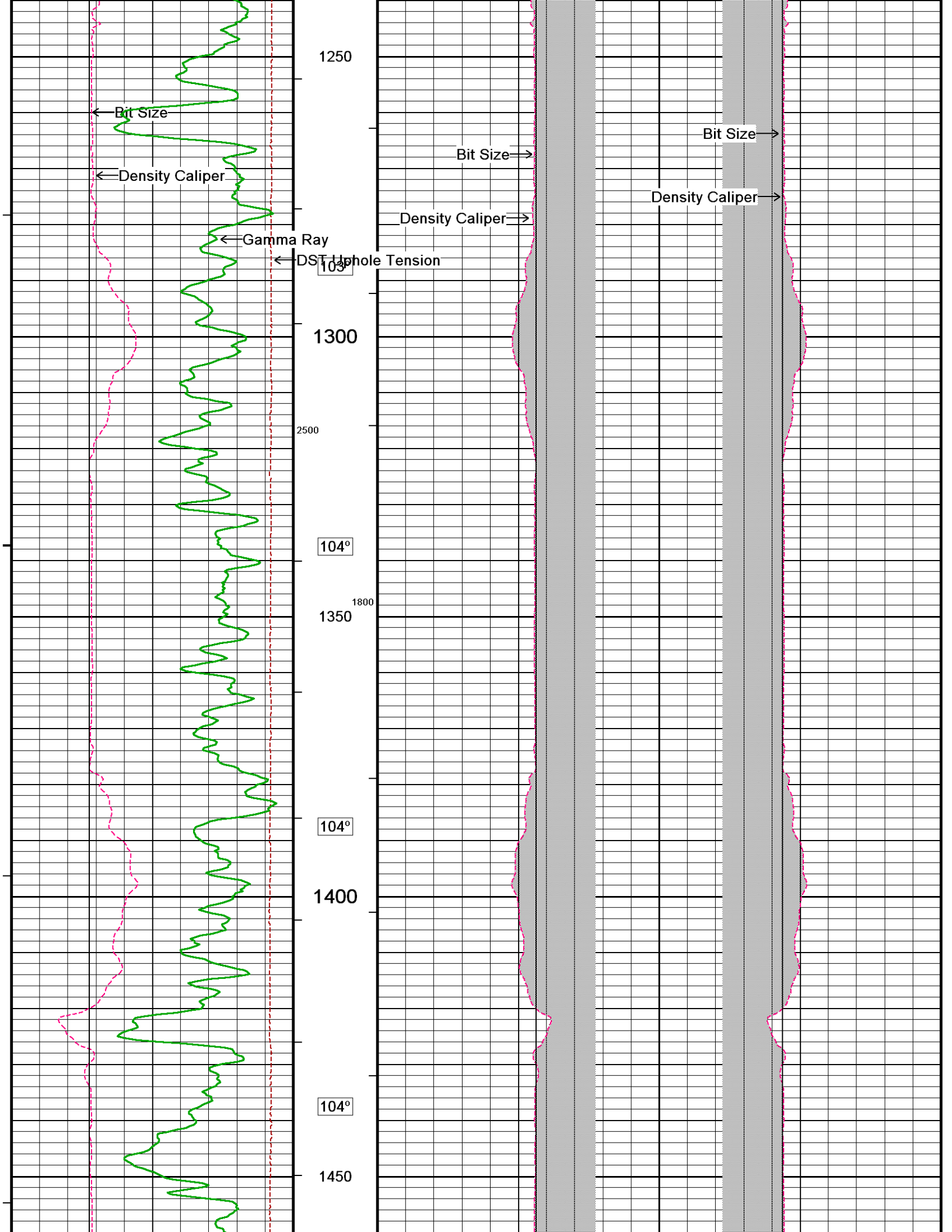
5 INCH MAIN LOG

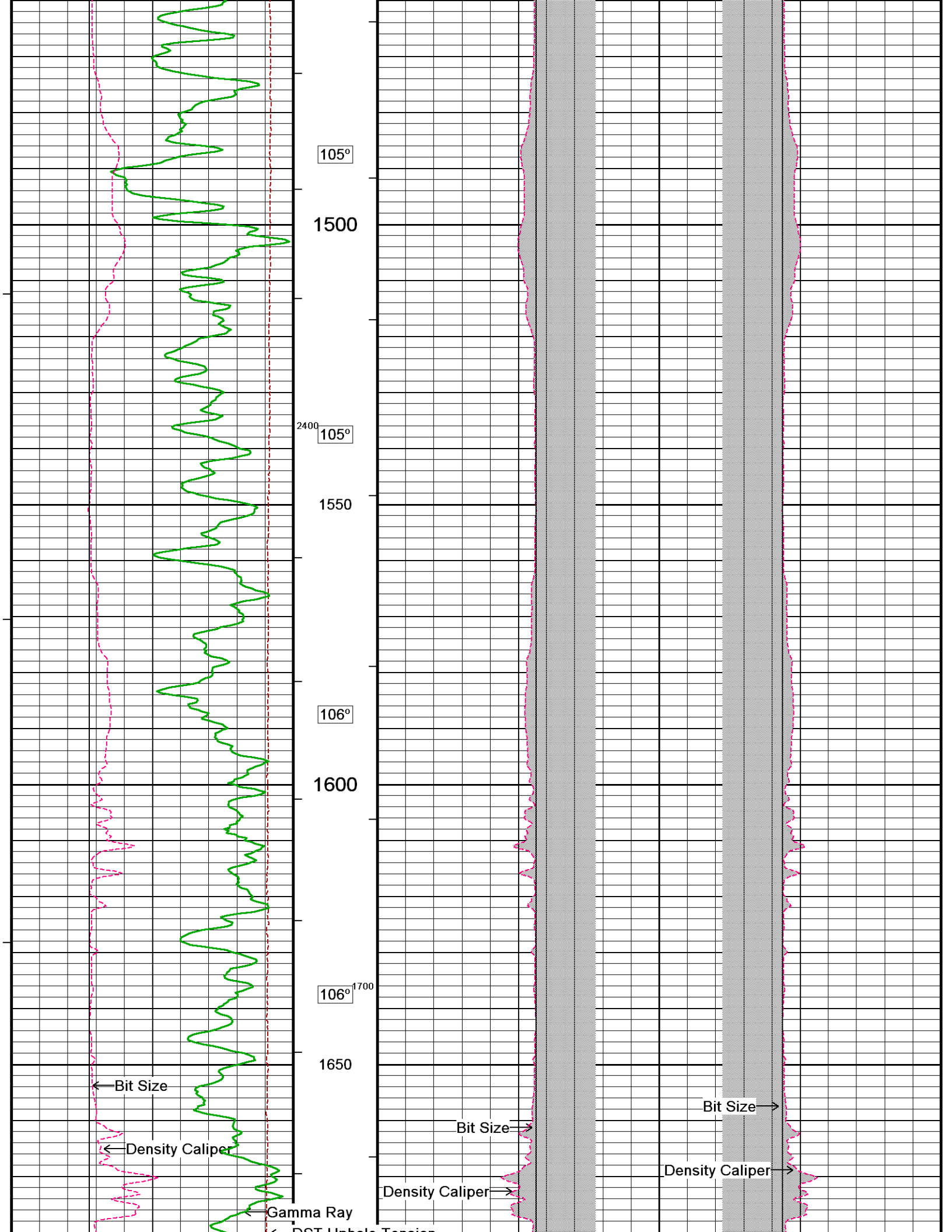
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Recorded on 06-MAR-2011 10:15
System Versions: Logged with 11.01.2198 Plotted with 11.02.2164

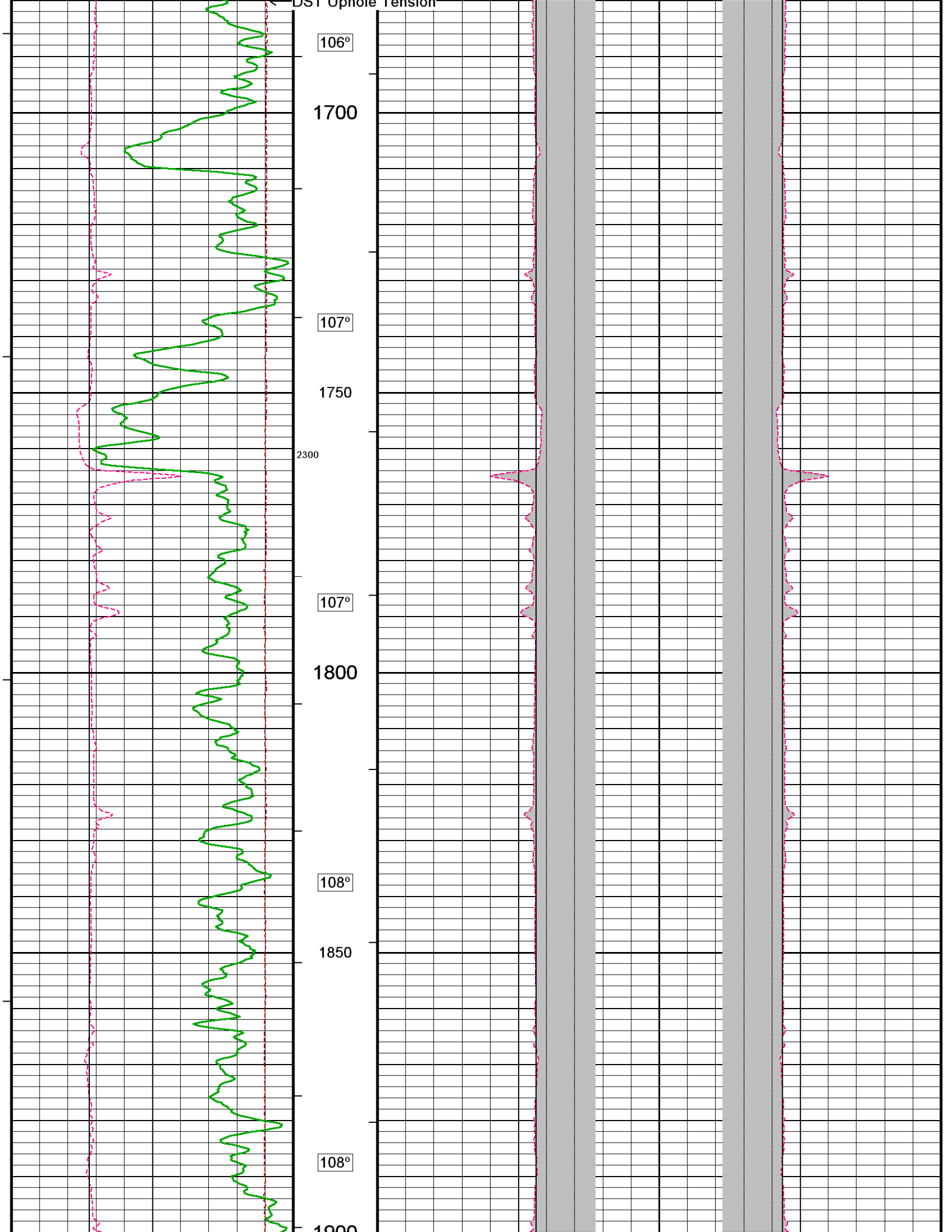


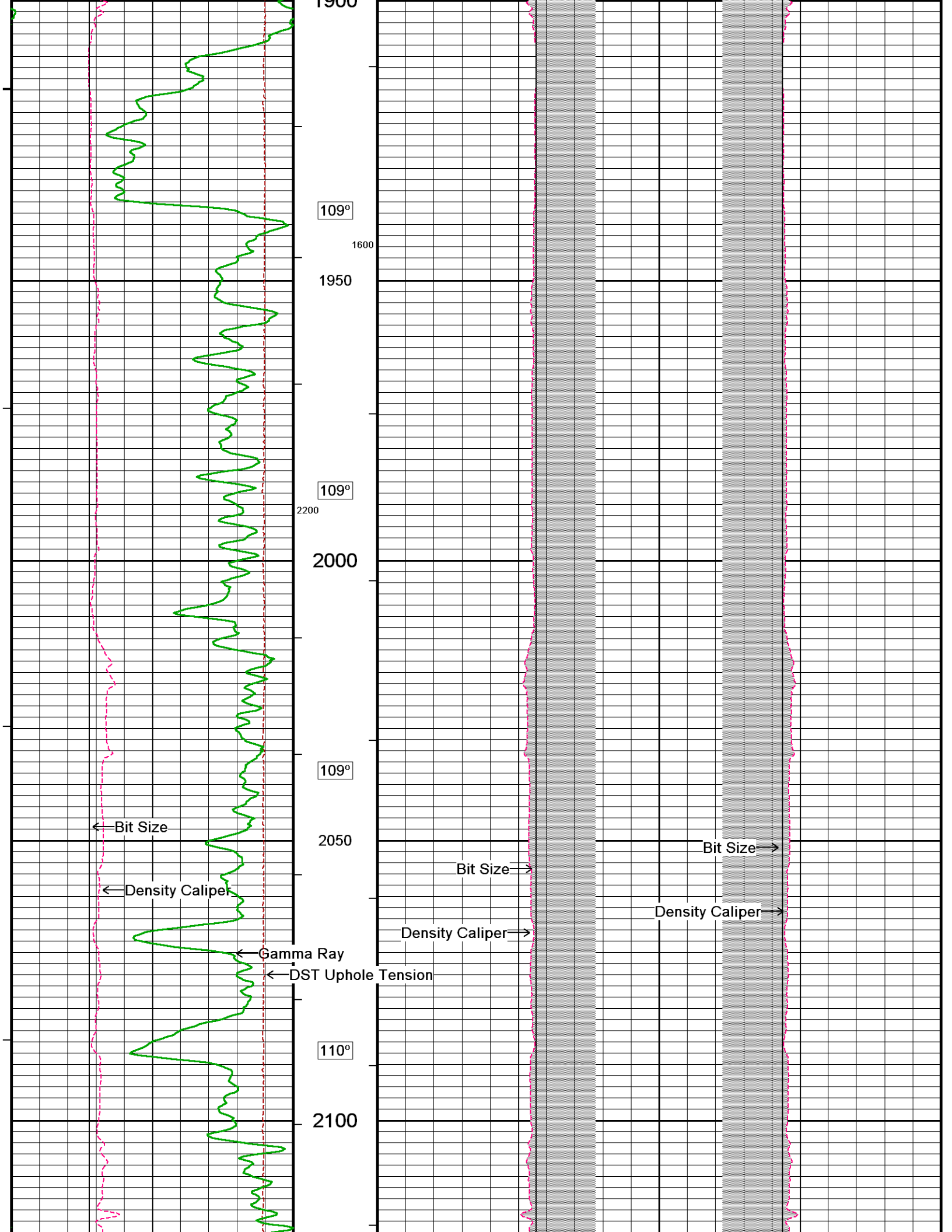


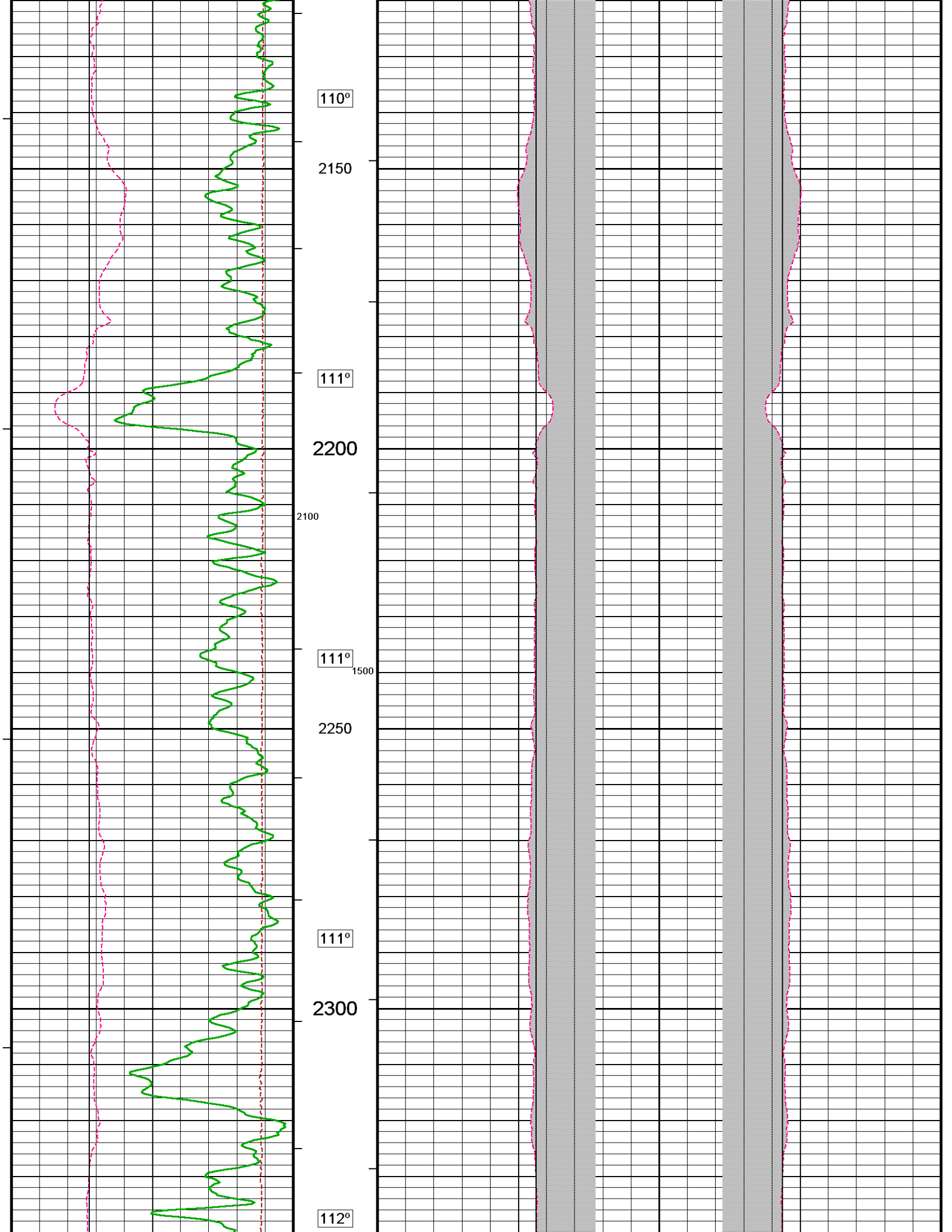


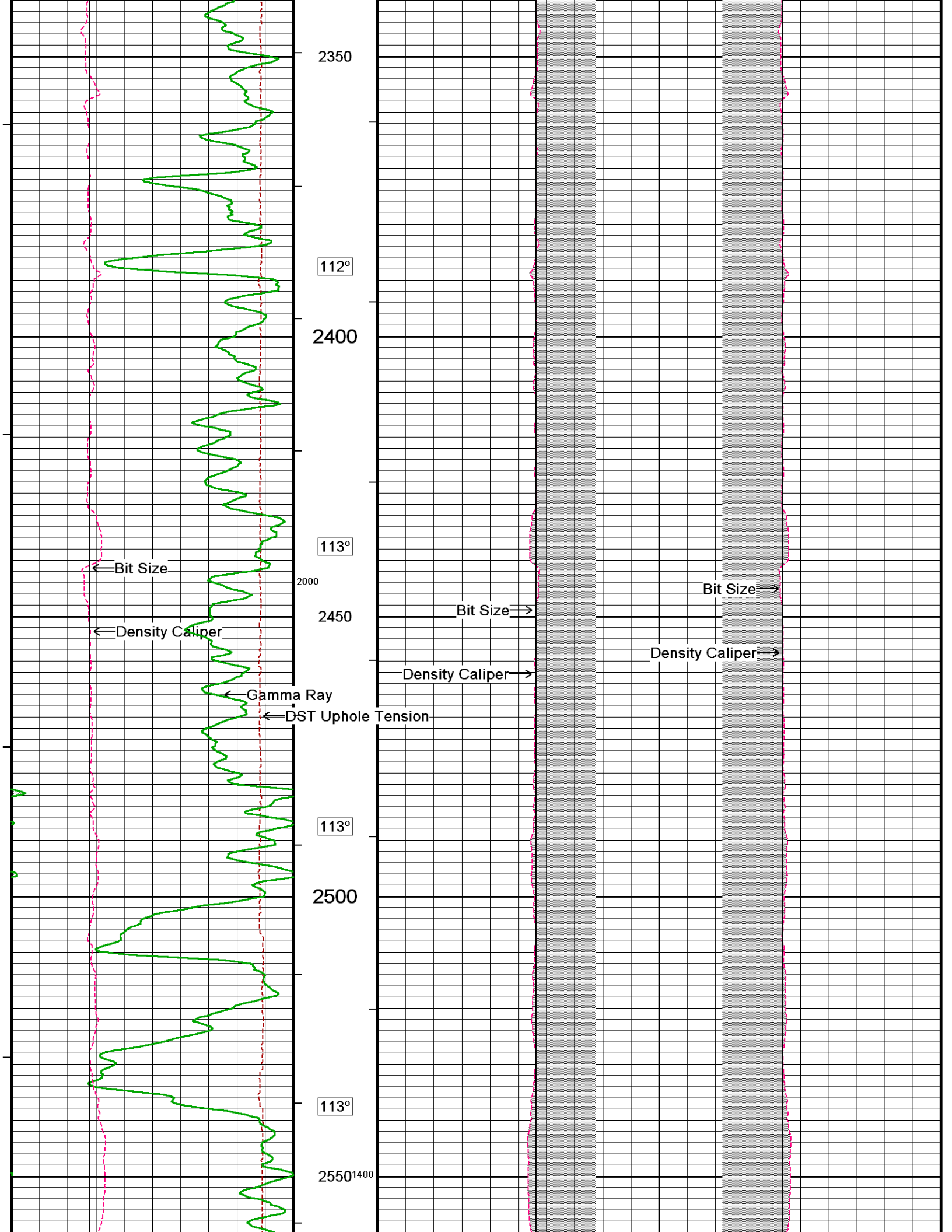


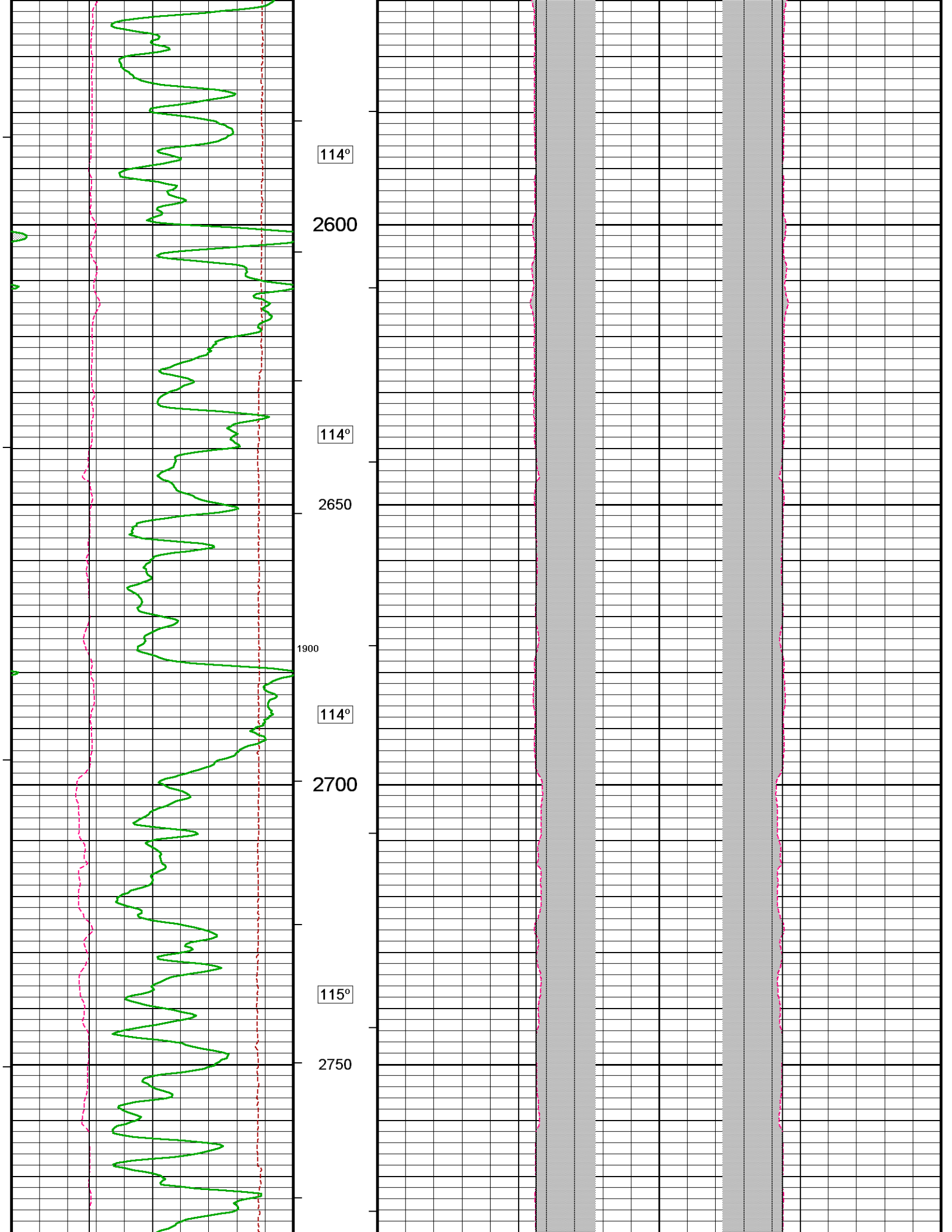


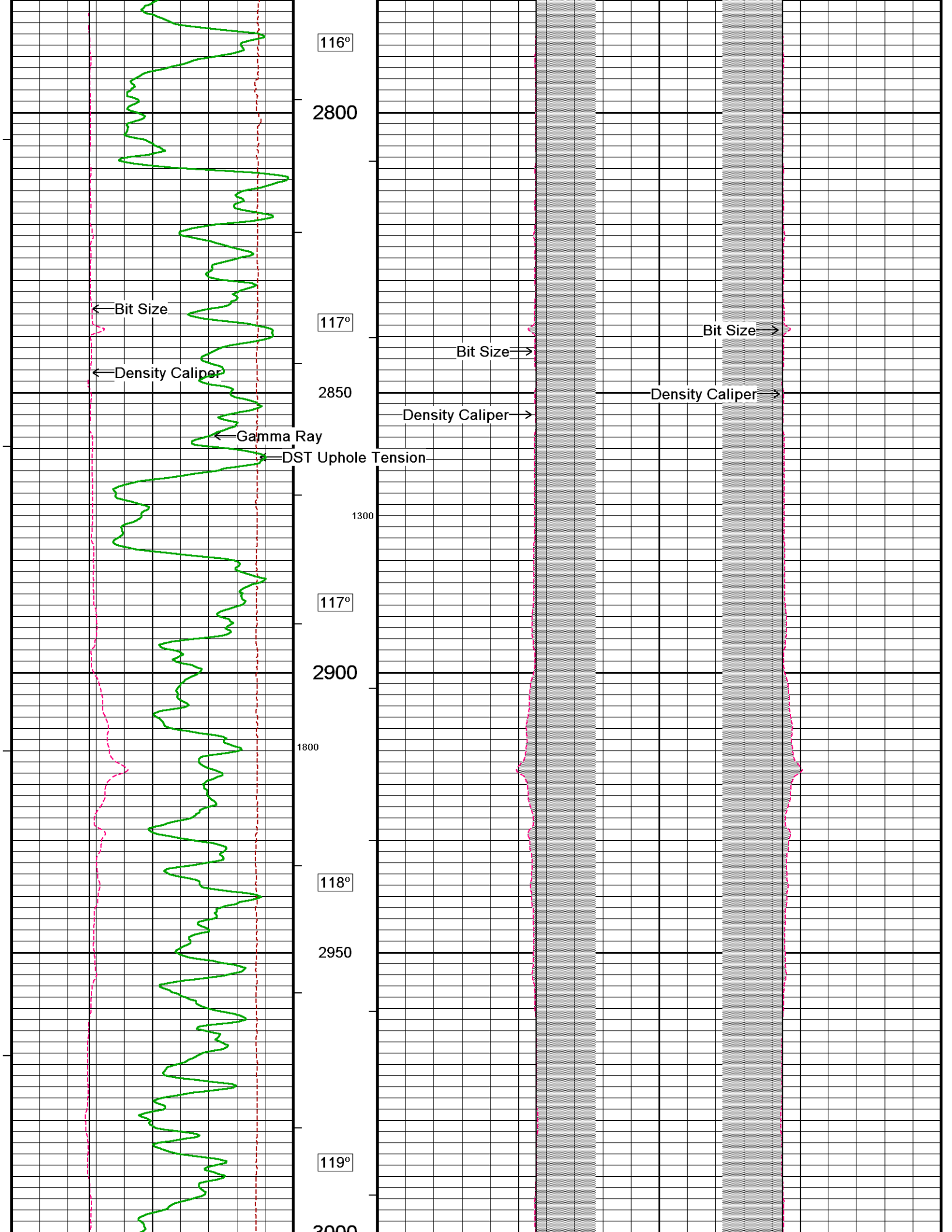


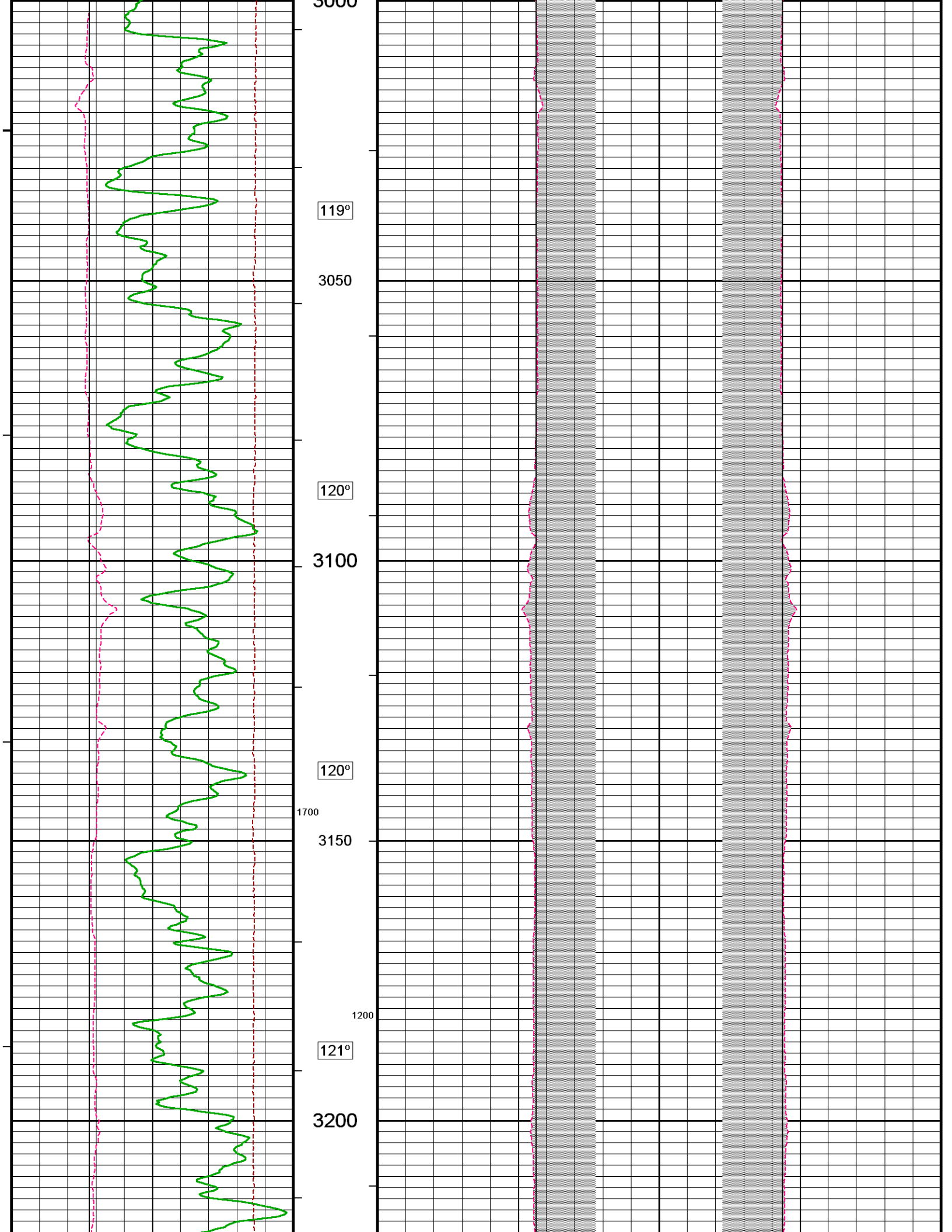


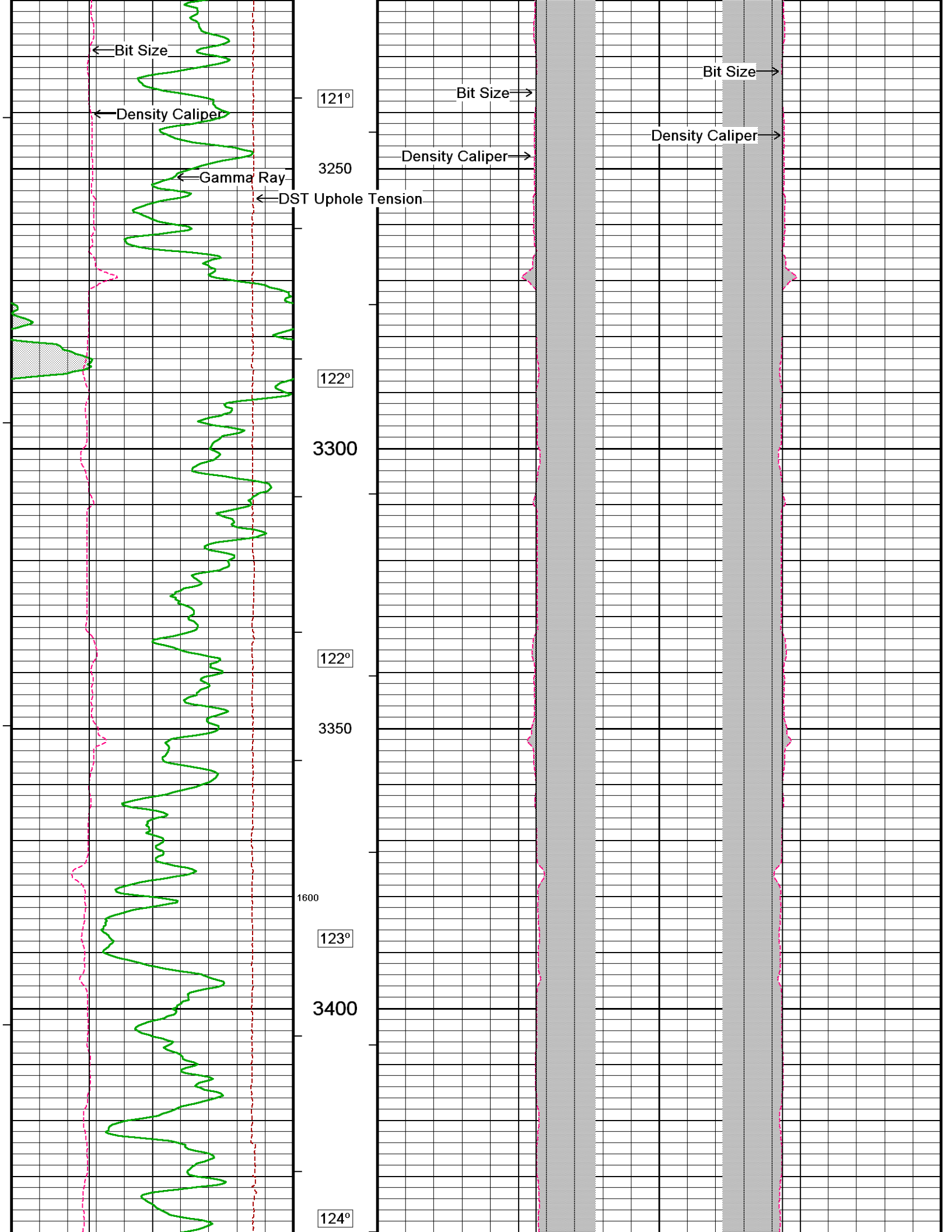


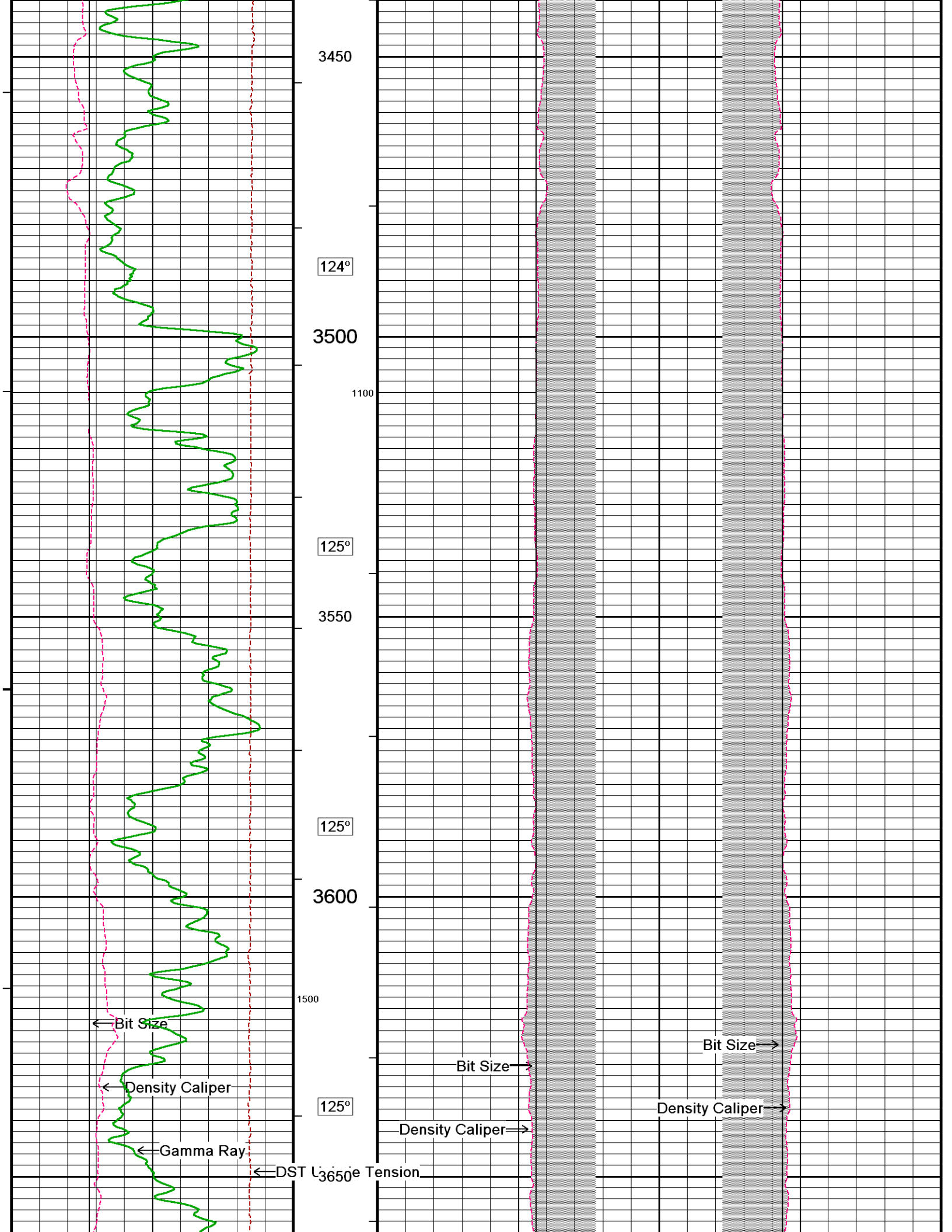


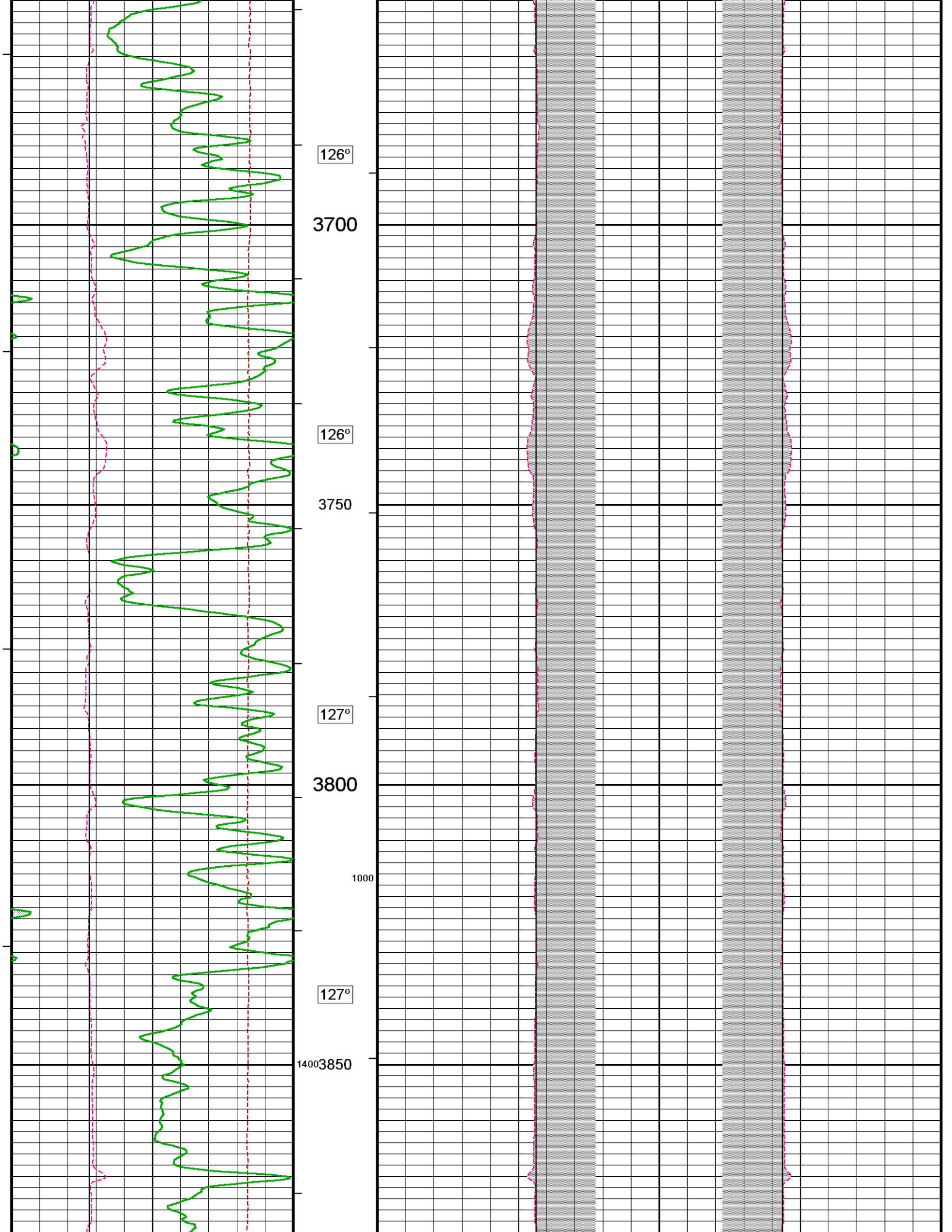


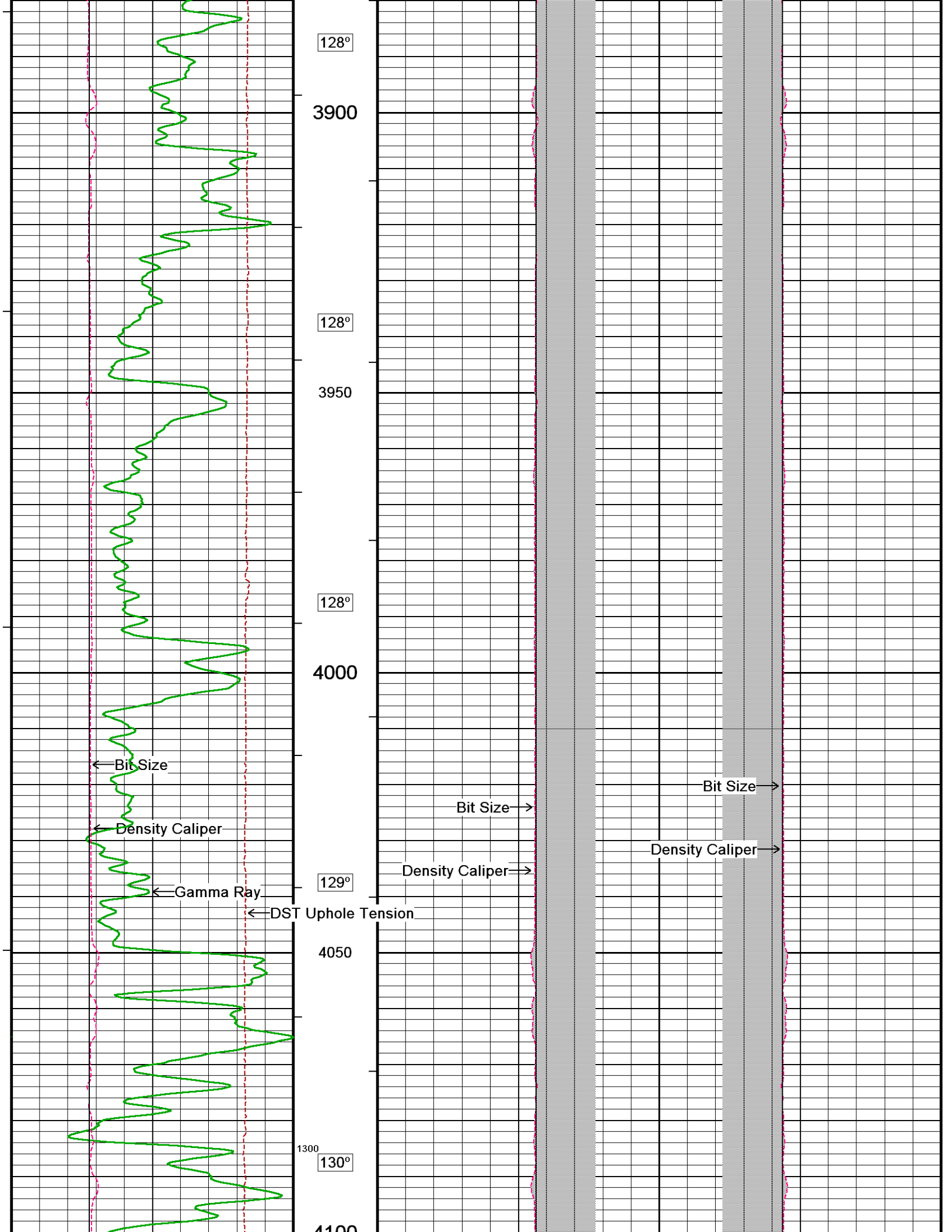


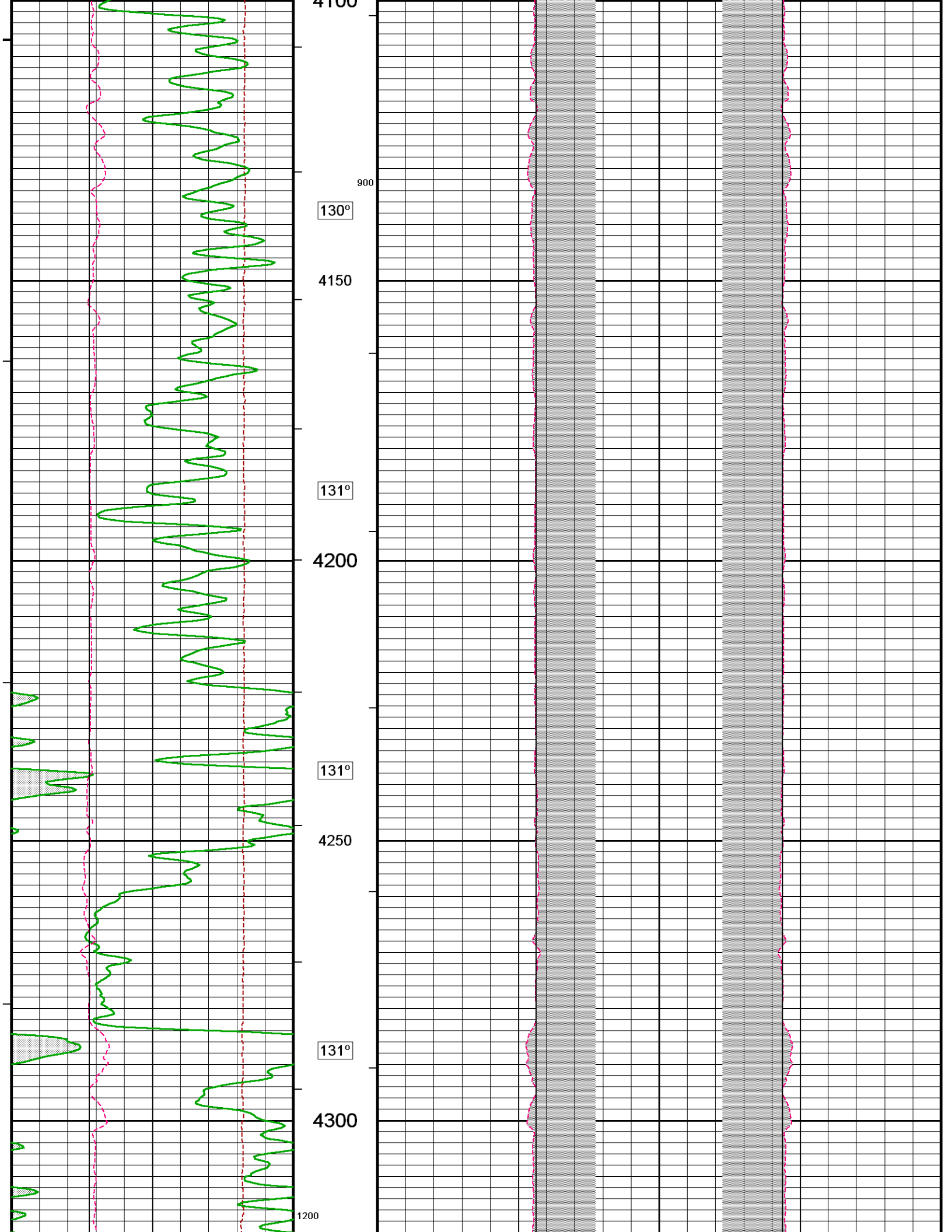


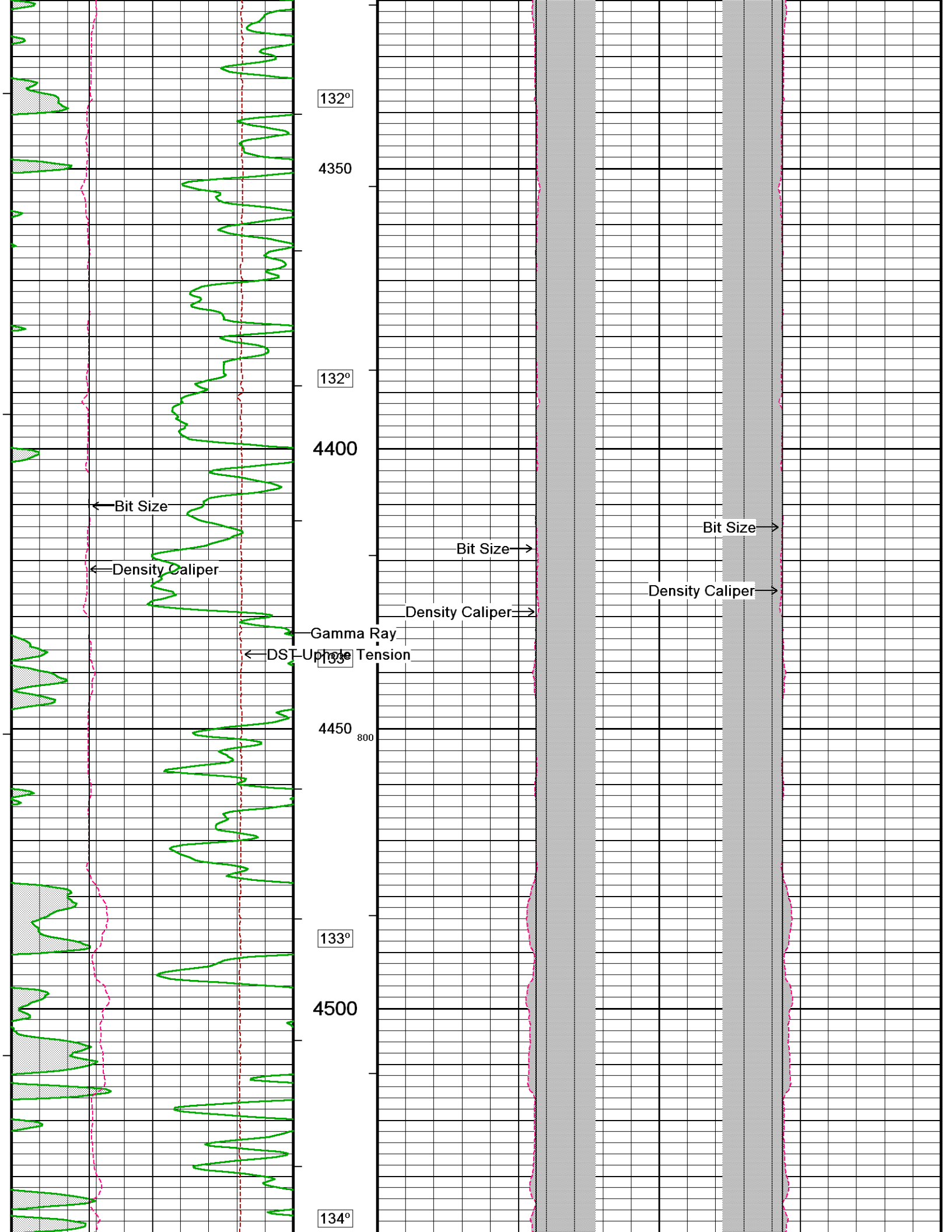


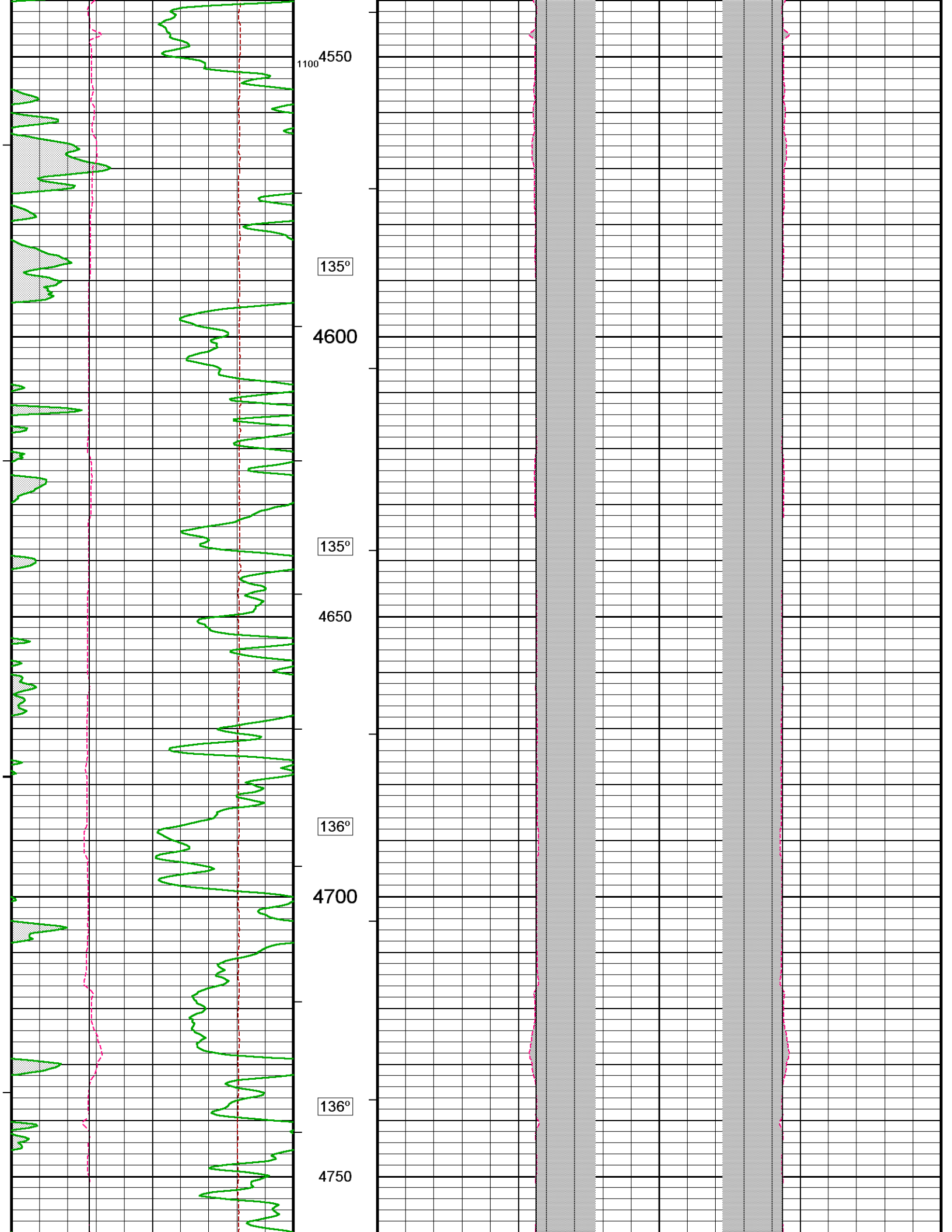


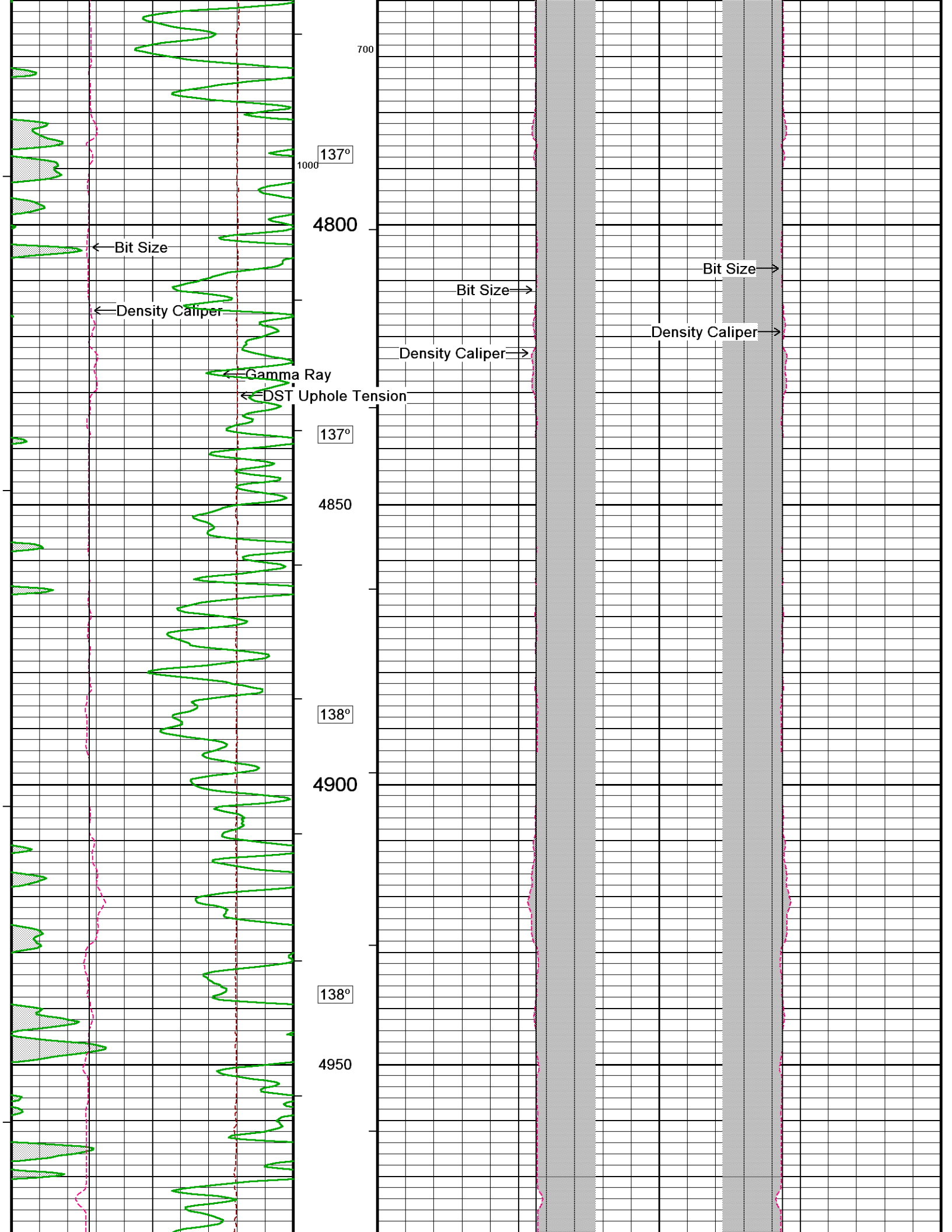


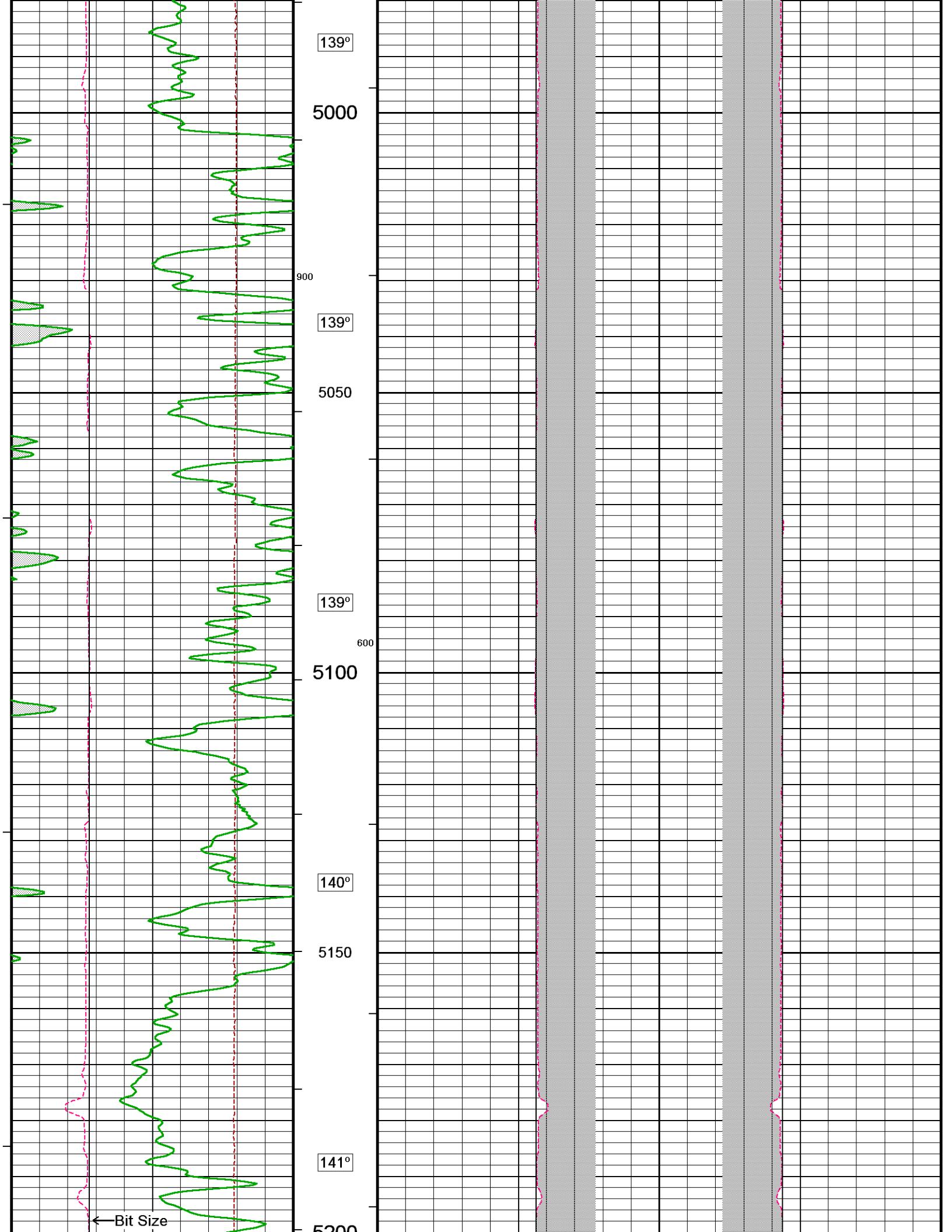


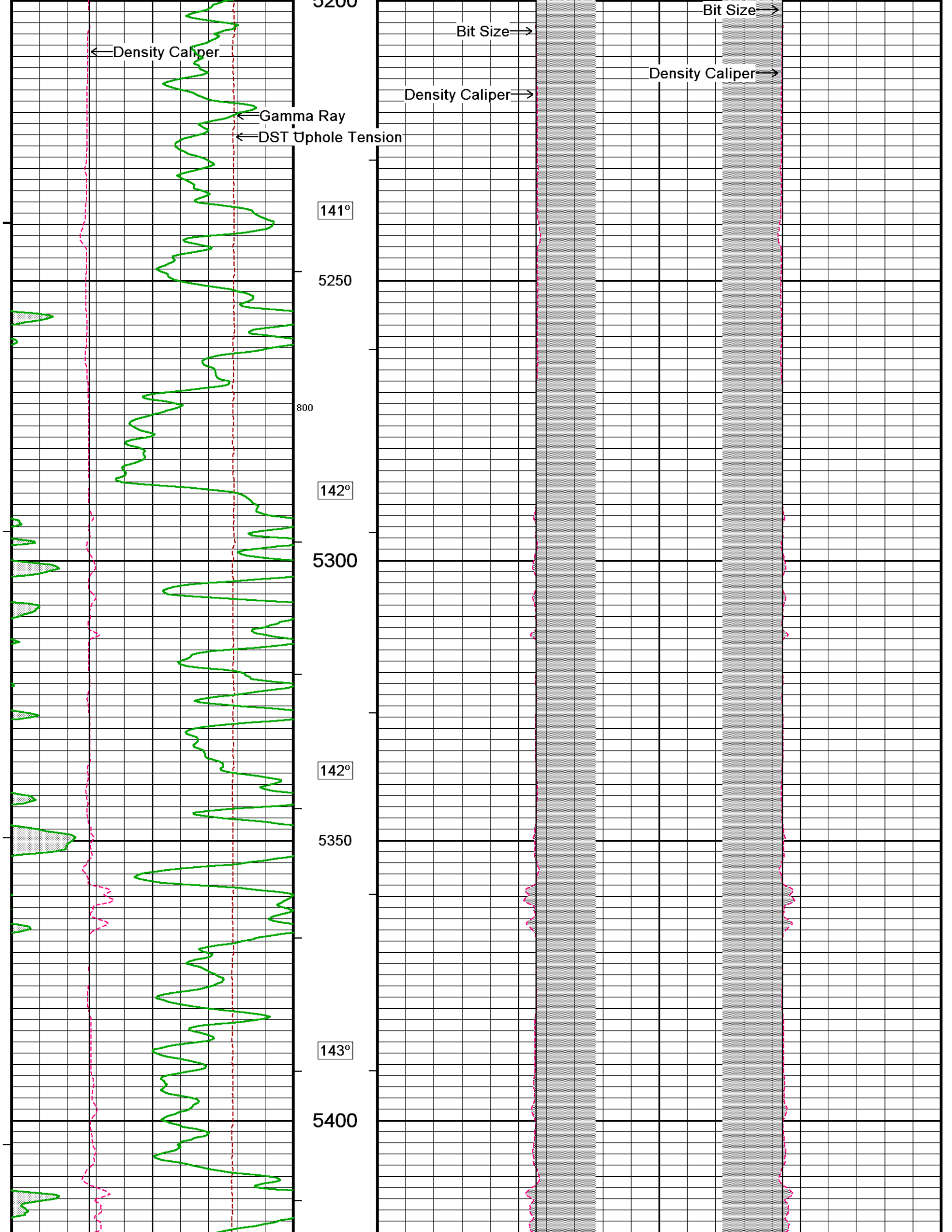


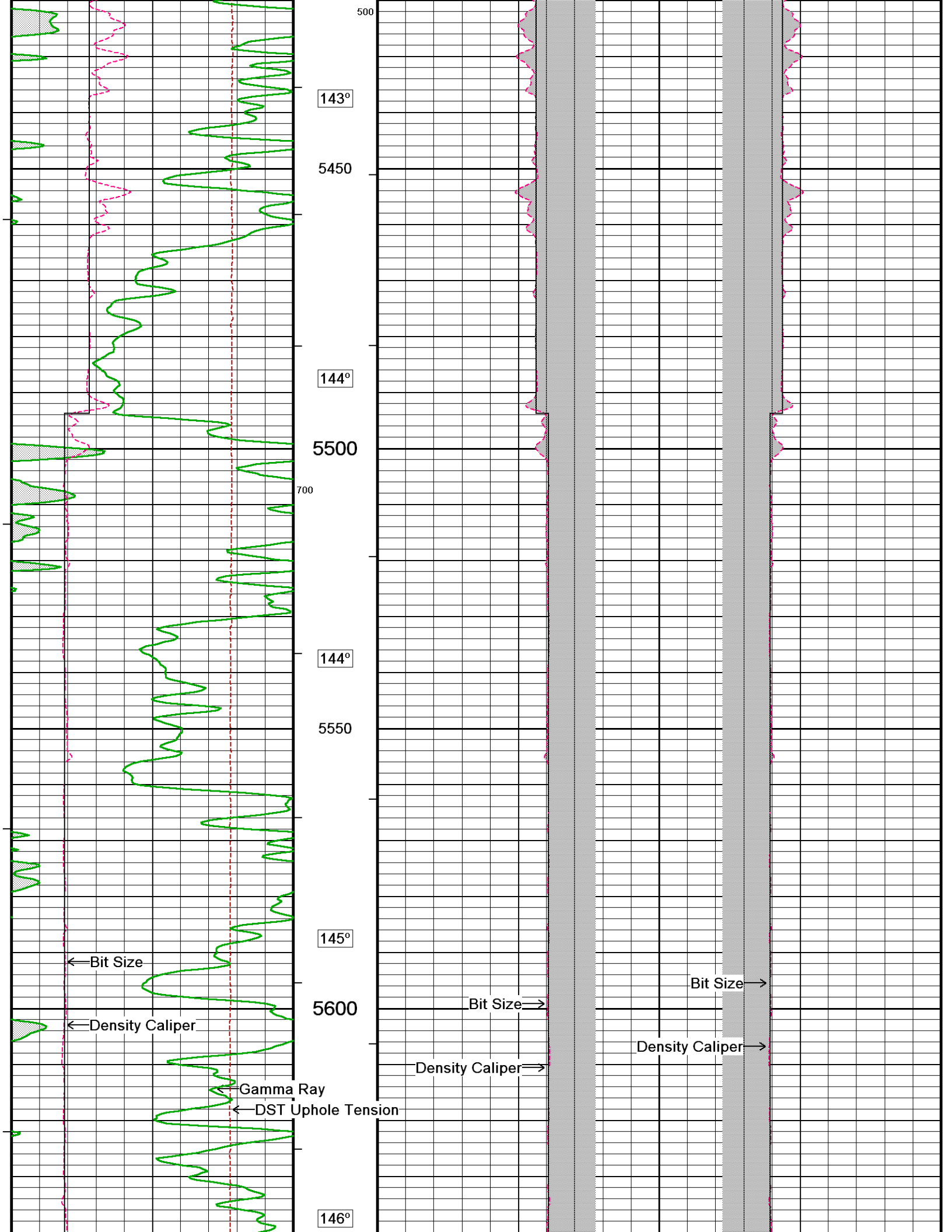


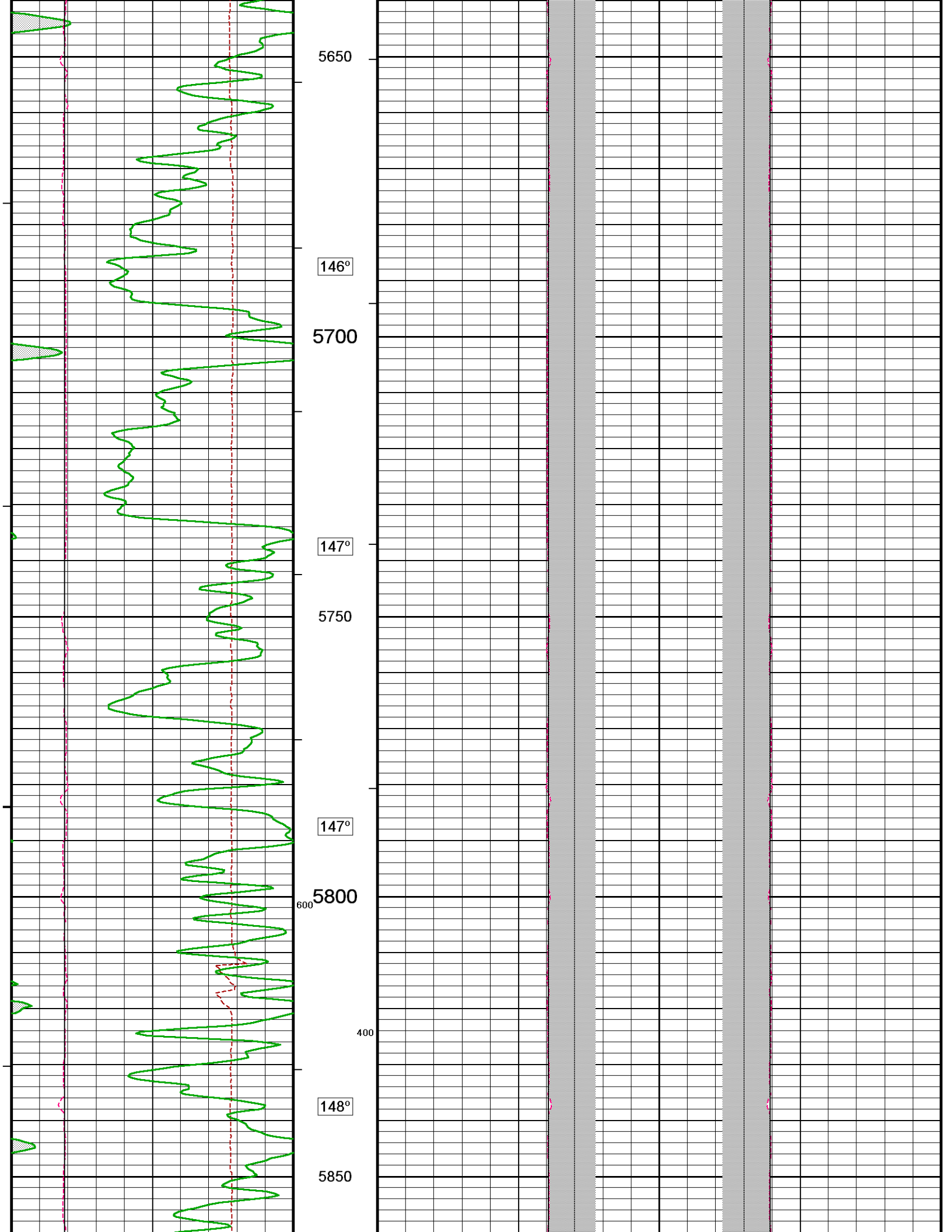


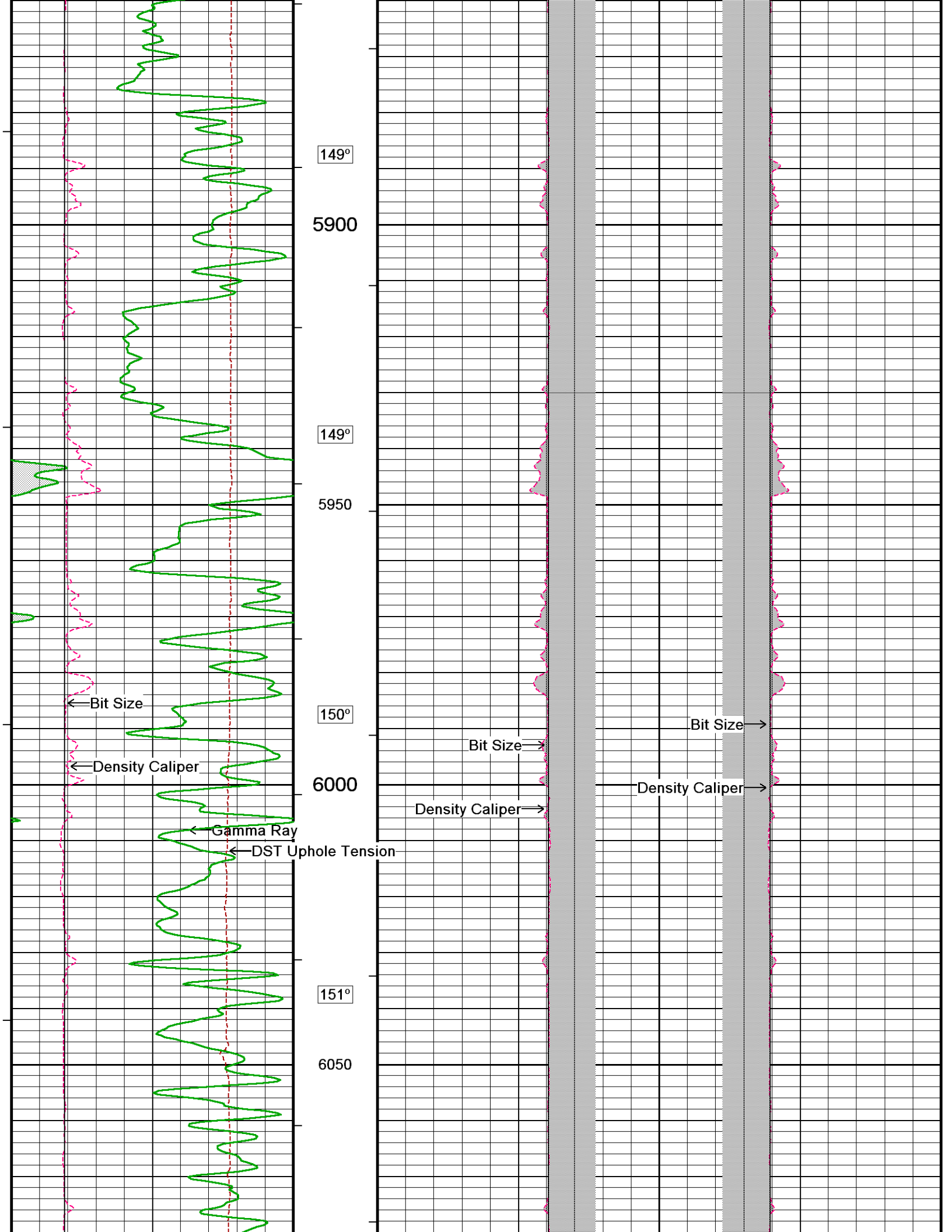


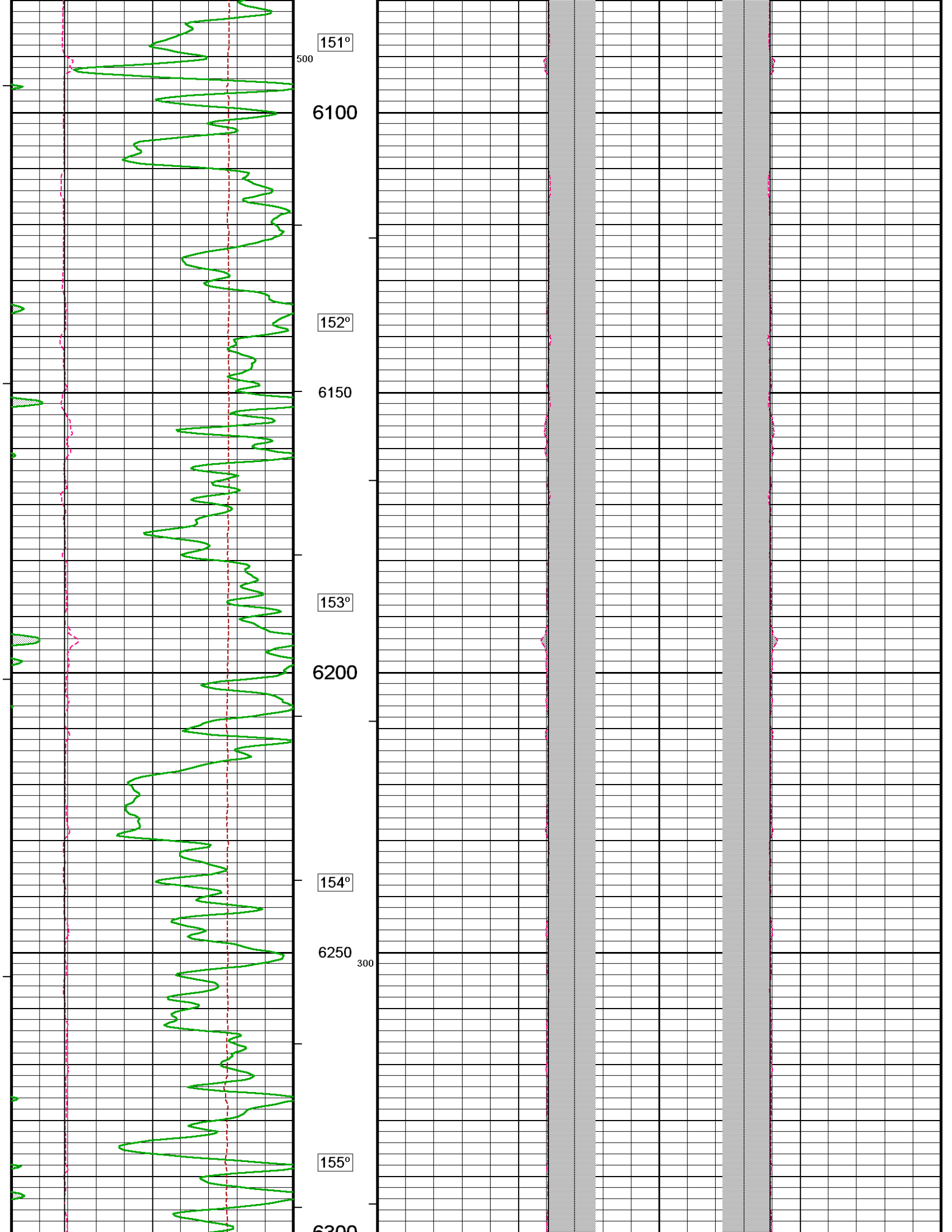


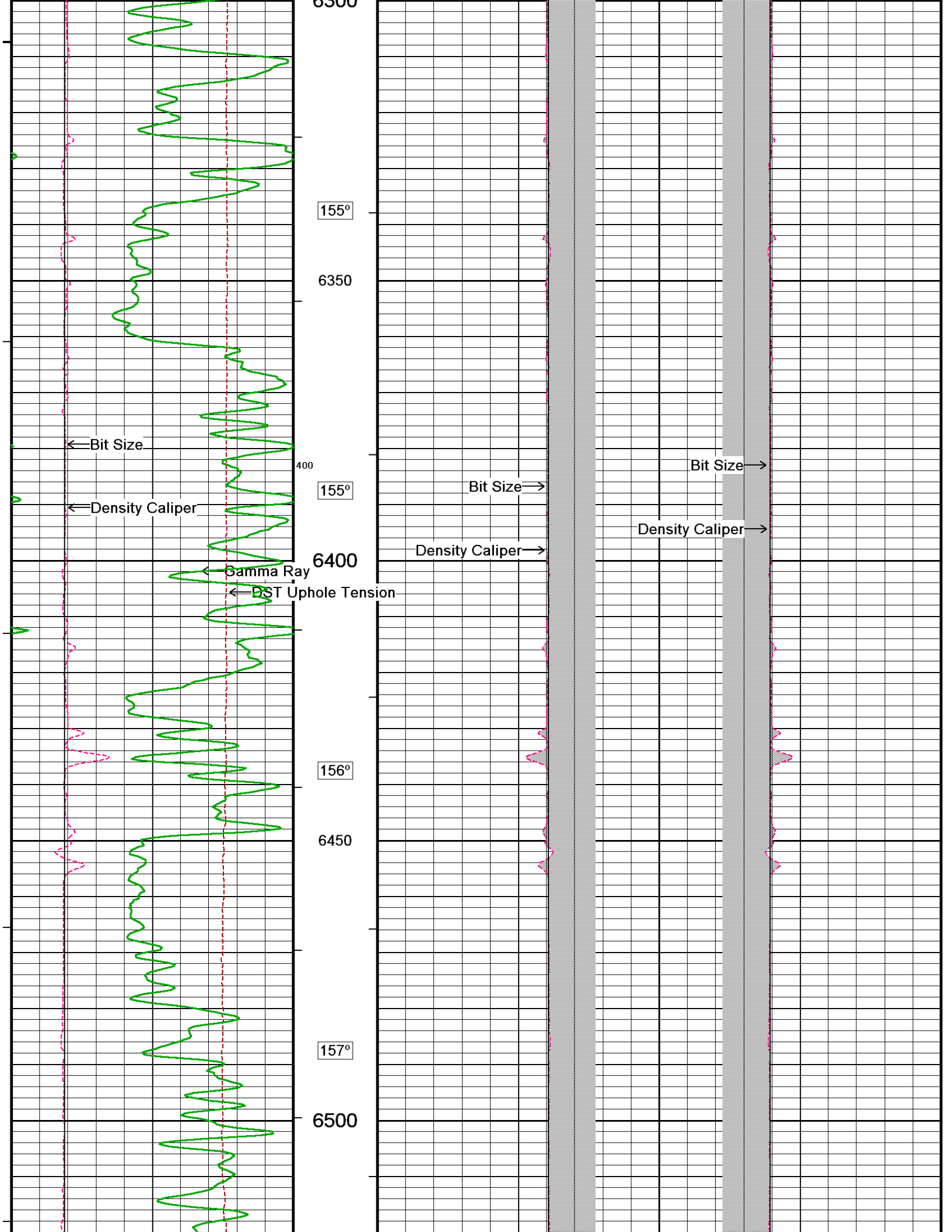












6300

155°

6350

← Bit Size

← Density Caliper

← Gamma Ray

← DST Uphole Tension

6400

156°

6450

157°

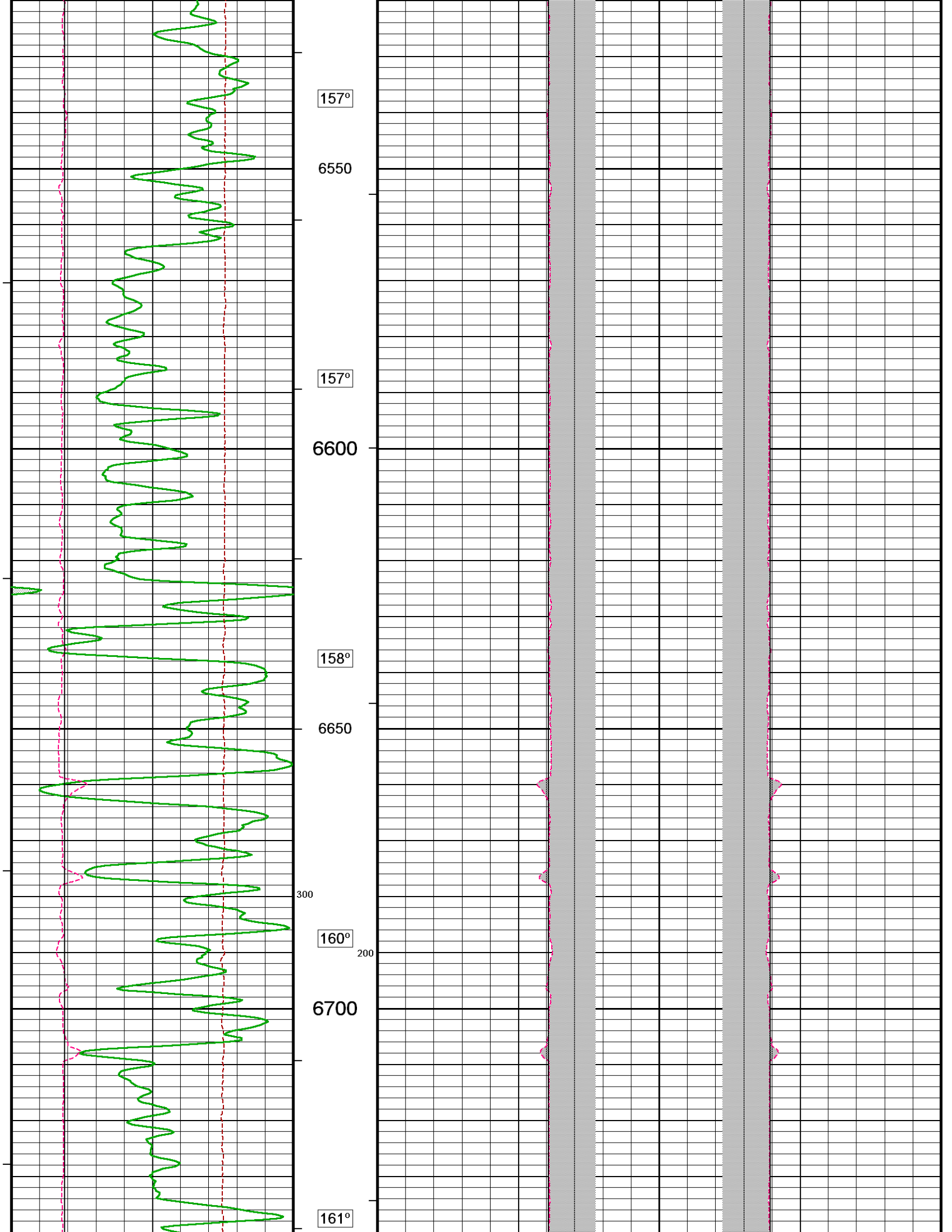
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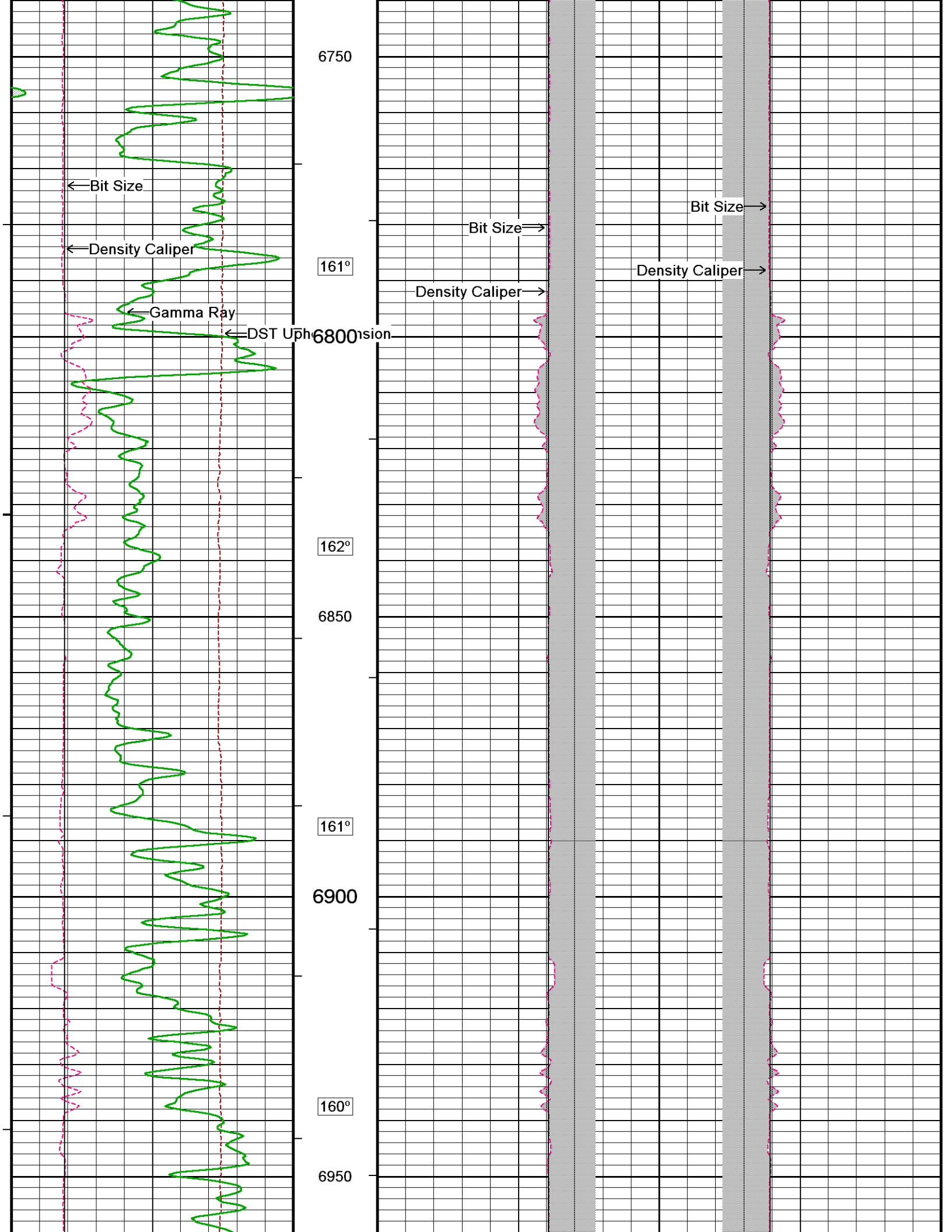
Bit Size →

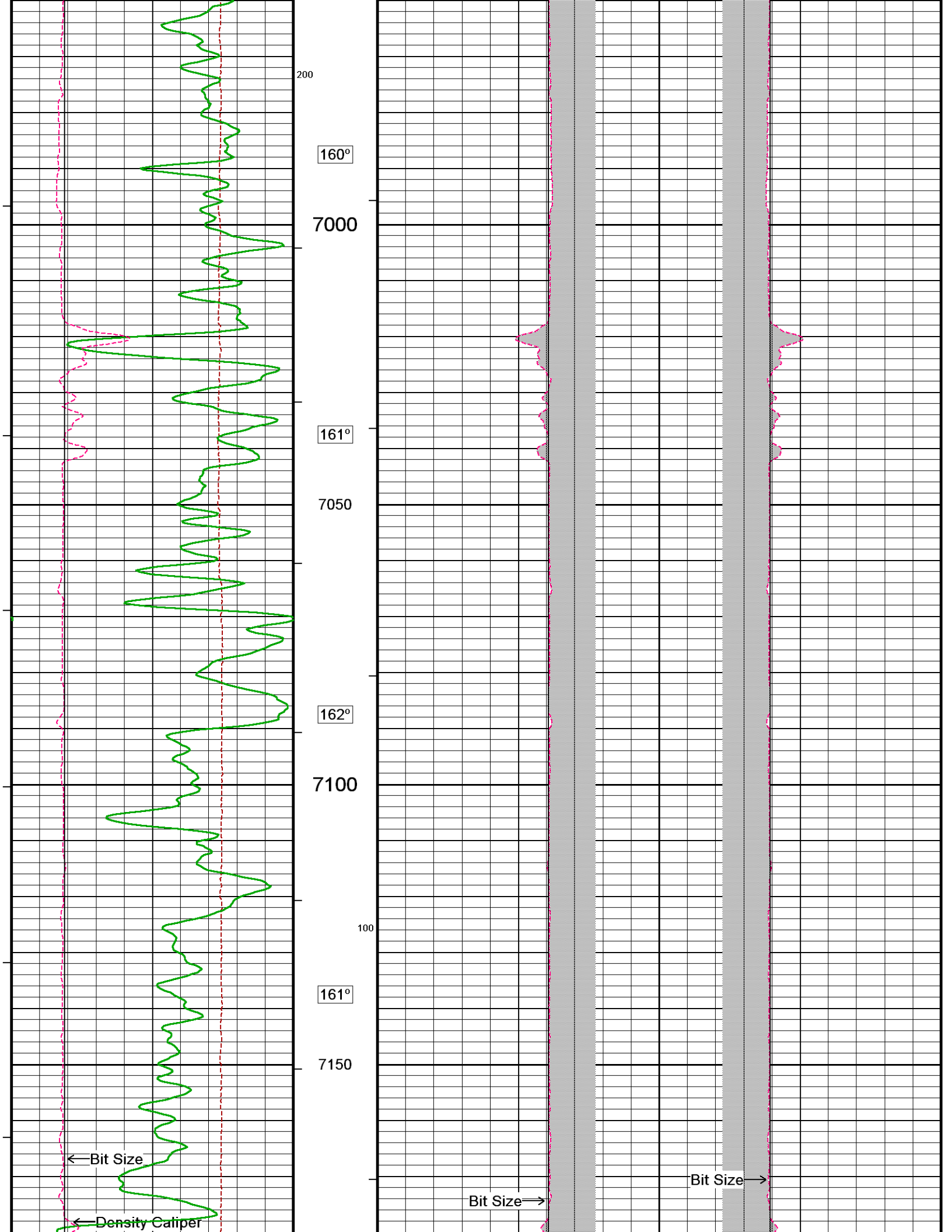
Density Caliper →

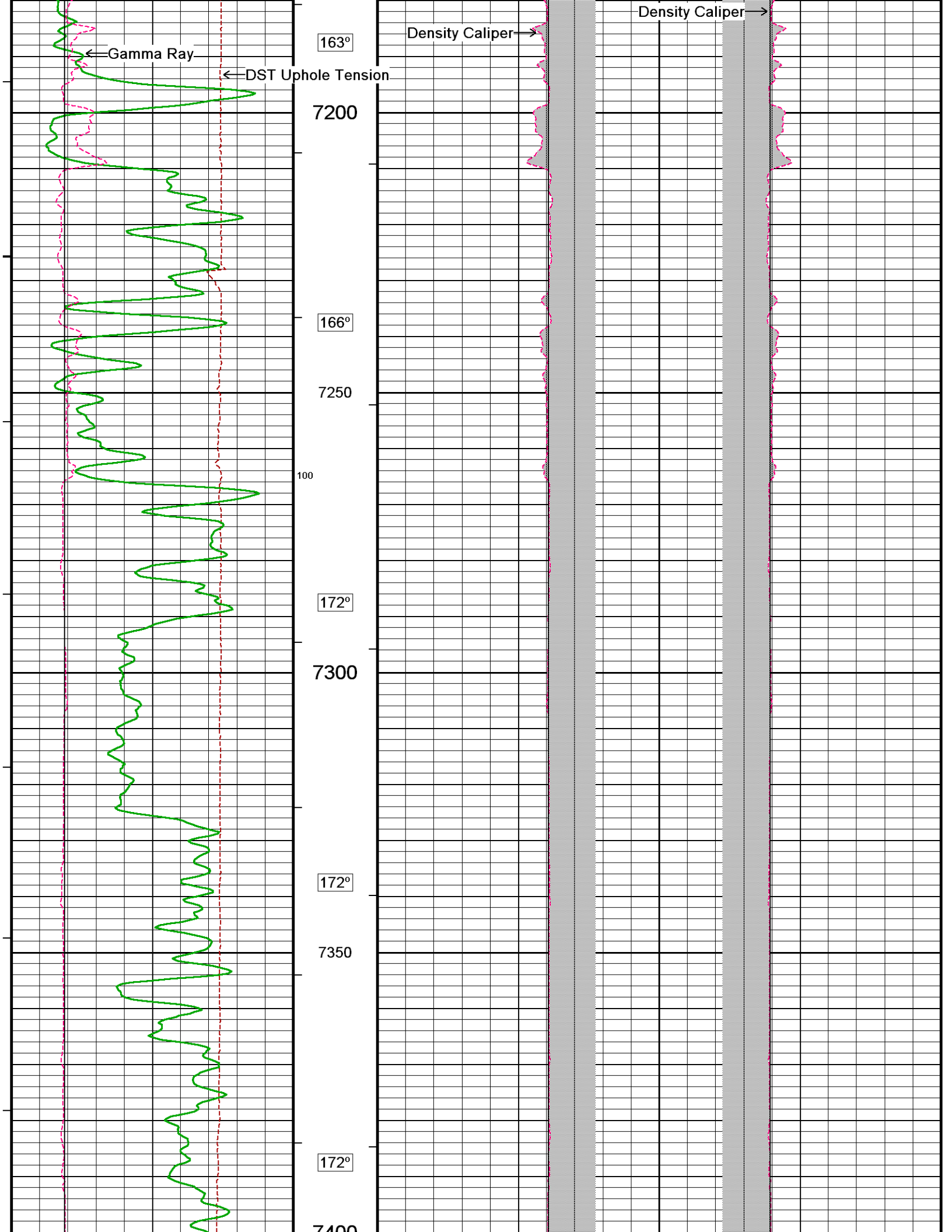
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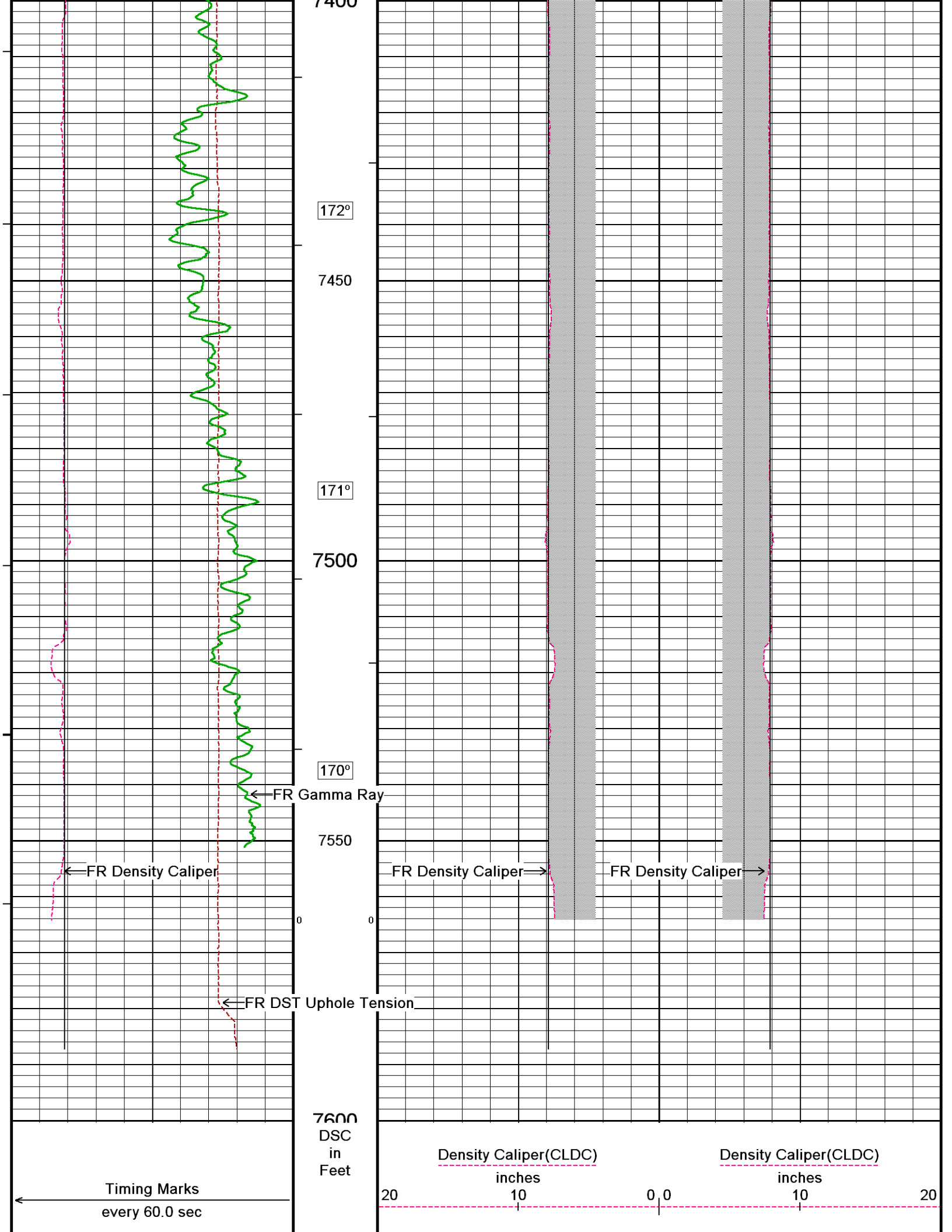
Density Caliper →

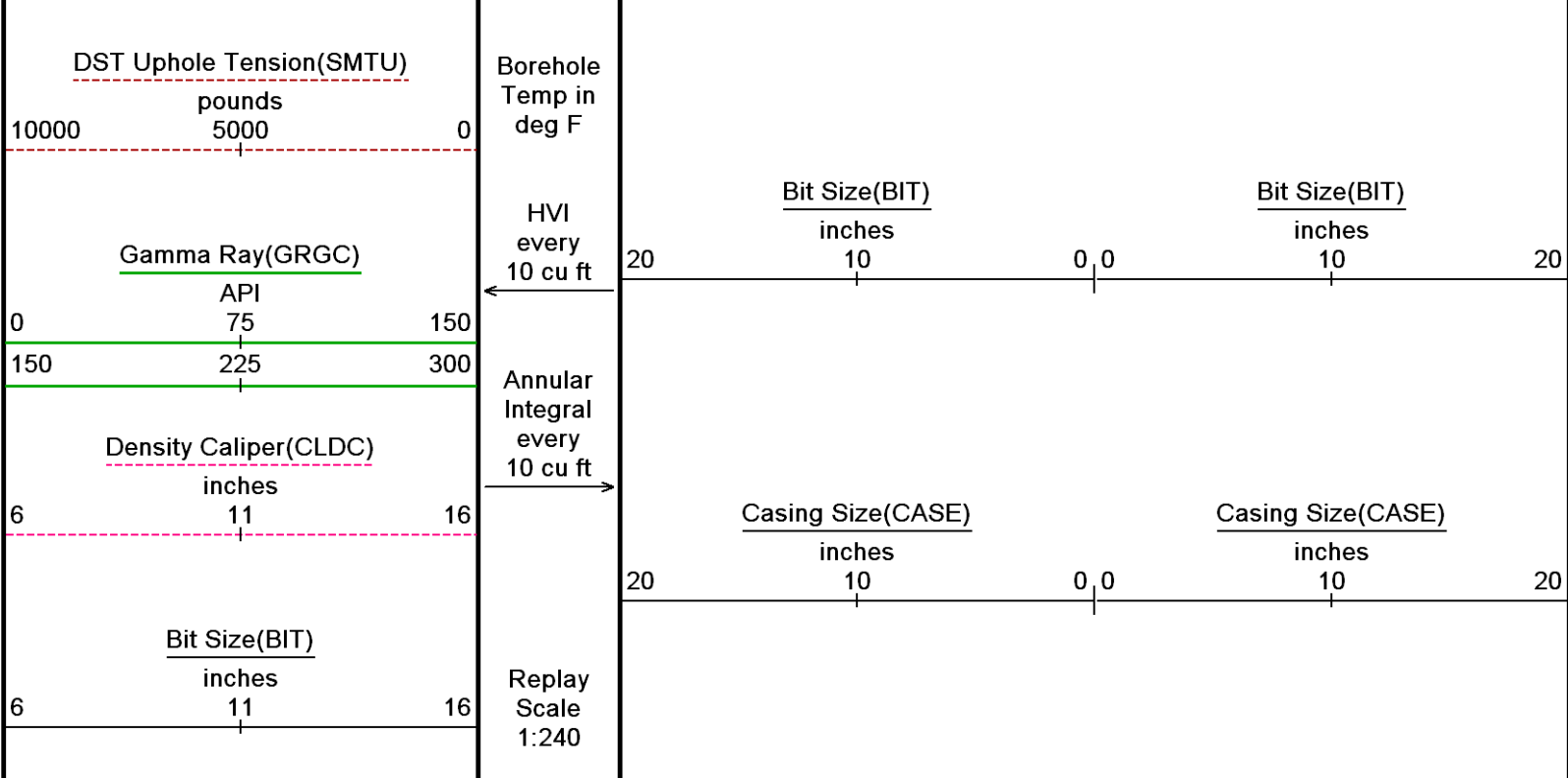










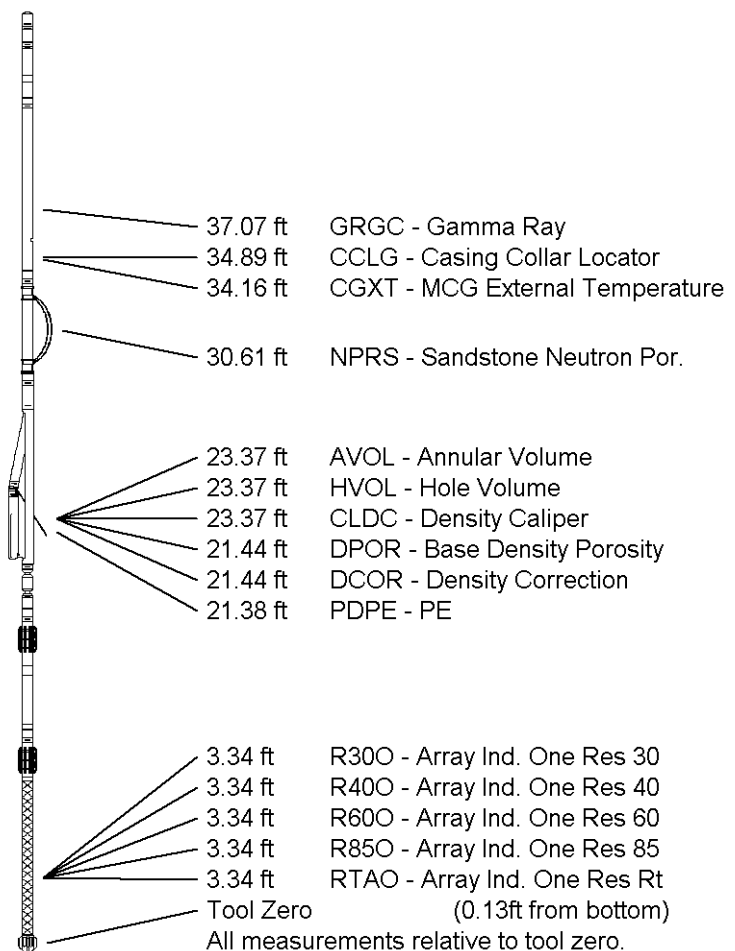


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5 INCH MAIN LOG

DOWNHOLE EQUIPMENT
 C:\DOCUME~1\rodgerbx\LOCALS~1\Temp\Weatherford PreView\1\Bill Barrett GGU Fed 31D-29-691_005.dta

- 3/8" Triple Cone Cable Head (MCB C A)
MCB-C.A 177 LG: 1.58 ft WT: 15.4 lb OD: 2.24 in
- SHA-F Compact Swivel Head Adaptor
SHA-F 38 LG: 2.74 ft WT: 26.5 lb OD: 2.24 in
- Compact Comms Gamma
MCG-C 115 LG: 8.70 ft WT: 63.9 lb OD: 2.24 in
- Compact Neutron
MDN-B.J 372 LG: 5.04 ft WT: 50.7 lb OD: 2.24 in
- Compact Density/Caliper
MPD-B 90 LG: 9.59 ft WT: 90.4 lb OD: 2.45 in
- SKJ-D Compact Knuckle Joint
SKJ-D 34 LG: 2.17 ft WT: 24.3 lb OD: 2.24 in
- Compact Focussed Electric
MFE-B.J 310 LG: 6.05 ft WT: 48.5 lb OD: 2.24 in
- Compact Induction
MAI-B.A 268 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	GGU FEDERAL 31D-29-691
FIELD	GIBSON GULCH
PROVINCE/COUNTY	GARFIELD
COUNTRY/STATE	U.S.A. / COLORADO

Elevation Kelly Bushing	6126.00	feet	First Reading	7556.00	
Elevation Drill Floor	6125.00	feet	Depth Driller	7575.00	feet
Elevation Ground Level	6104.00	feet	Depth Logger	7589.00	feet



Weatherford[®]

HOLE VOLUME
CALIPER
LOG

