

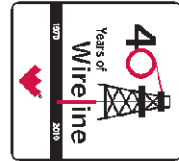


# Weatherford

## HOLE VOLUME

### CALIPER LOG

COMPANY **BILL BARRETT CORPORATION**  
 WELL **GGU DALEY 24A-19-691**  
 FIELD **MAMM CREEK**  
 PROVINCE/COUNTY **GARFIELD**  
 COUNTRY/STATE **U.S.A. / COLORADO**  
 LOCATION **SHL: 252' FSL & 2008' FWL**  
**BHL: 166' FSL & 1982' FWL**



SEC **TWP** **RGE** **Other Services**  
**6S** **91W** **MPD/MDN**  
 API Number **05-045-19584** **MAI/MFE**  
 Permit Number

Permanent Datum G.L., Elevation 5823 feet  
 Log Measured From K.B. @ 22 FEET above Permanent Datum  
 Drilling Measured From K.B.

Elevations: **feet**  
 KB **5845.00**  
 DF **5844.00**  
 GL **5823.00**

Date	24-APR-2011	
Run Number	ONE	
Depth Driller	7279.00	feet
Depth Logger	7281.00	feet
First Reading	7258.00	
Last Reading	808.00	
Casing Driller	805.00	feet
Casing Logger	808.00	feet
Bit Size	7.875	inches
Hole Fluid Type	LSND	
Density / Viscosity	10.80 lb/USg	50.00 CP
PH / Fluid Loss	9.00	6.40 ml/30Min
Sample Source	FLOW LINE	
Rm @ Measured Temp	3.80 @ 52.3	ohm-m
Rmf @ Measured Temp	3.04 @ 52.3	ohm-m
Rmc @ Measured Temp	4.56 @ 52.3	ohm-m
Source Rmf / Rmc	CALC	CALC
Rm @ BHT	1.12 @184.0	ohm-m
Time Since Circulation	8 HOURS	
Max Recorded Temp	184.00	deg F
Equipment Name	COMPACT	
Equipment / Base	13037	RK SPR
Recorded By	W. HANKS	
Witnessed By	C. CROW	

## BOREHOLE RECORD

Last Edited: 24-APR-2011 17:36

Bit Size inches	Depth From feet	Depth To feet
8.750	805.00	4434.00
7.875	4434.00	7279.00

## CASING RECORD

Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE	9.625	0.00	805.00	36.00

## REMARKS

SOFTWARE VERSION: WLS 11.02.3186

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 = 2615 CU.FT.

ANNULAR VOLUME WITH 4.5 INCH PRODUCTION CASING = 1900 CU.FT.

ENGINEER(S): W. HANKS

OPERATOR(S): D. SMITH

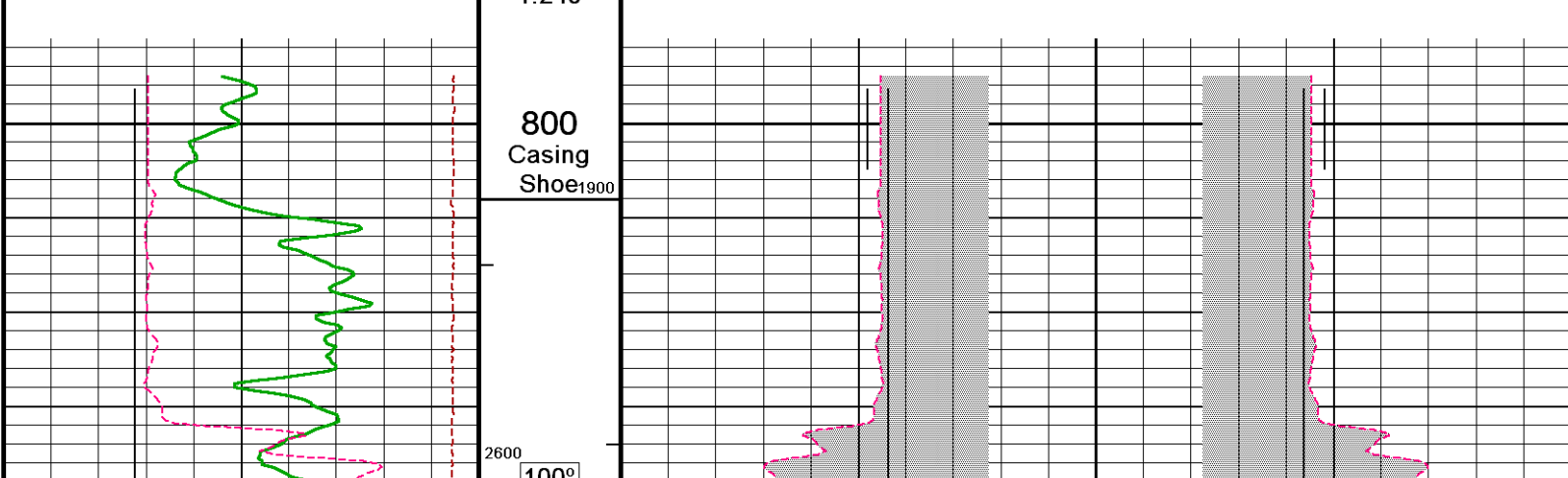
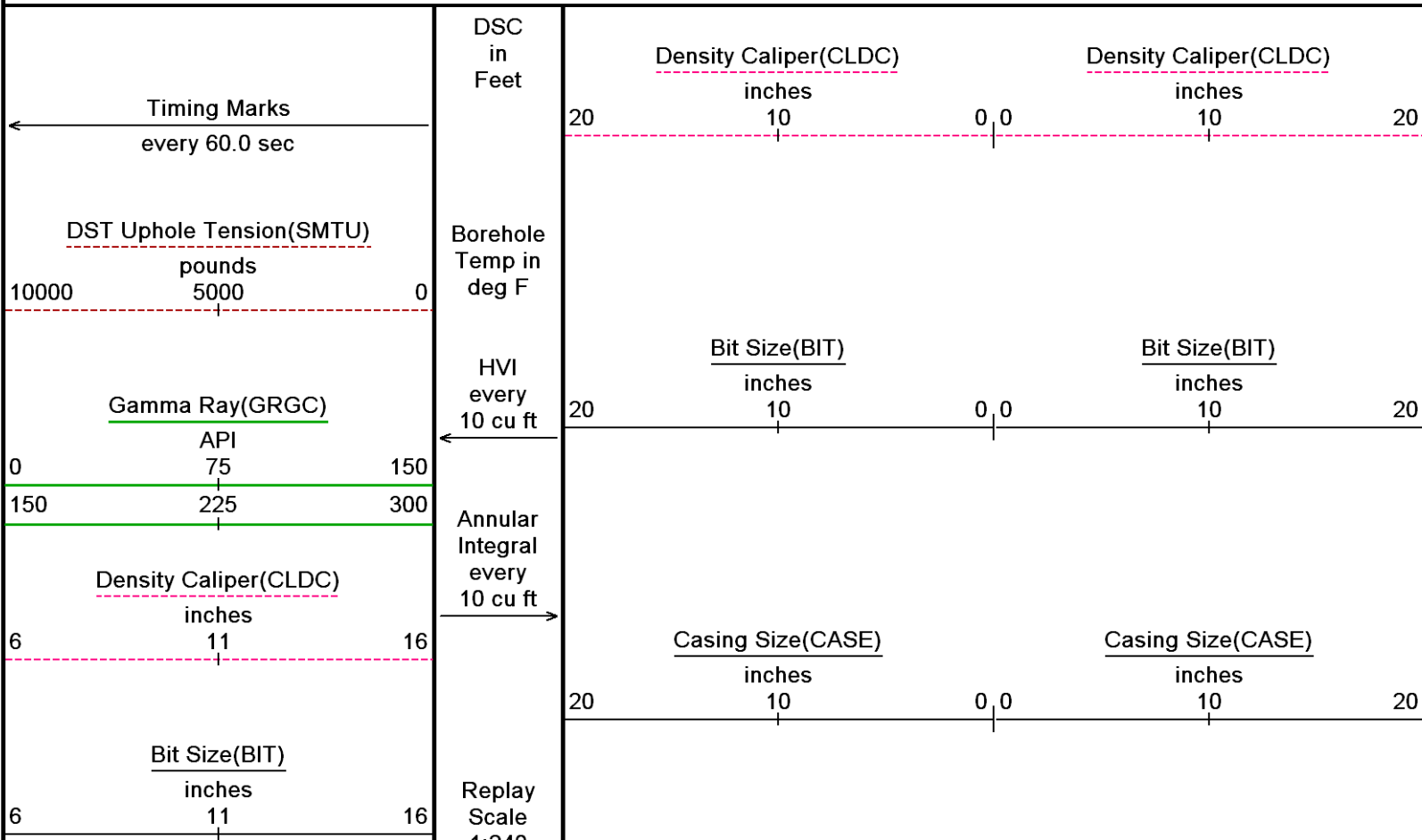
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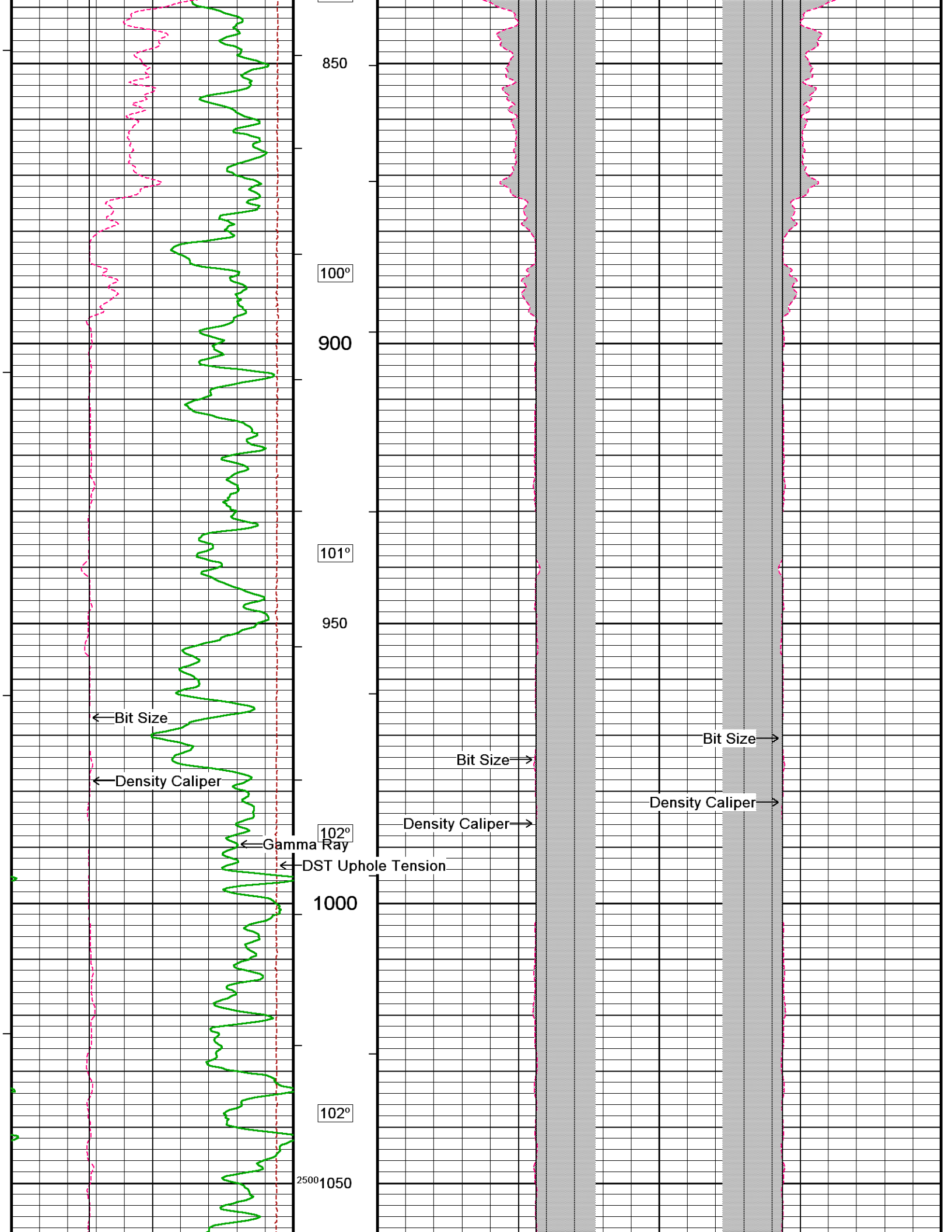
RIG: PATTERSON #307

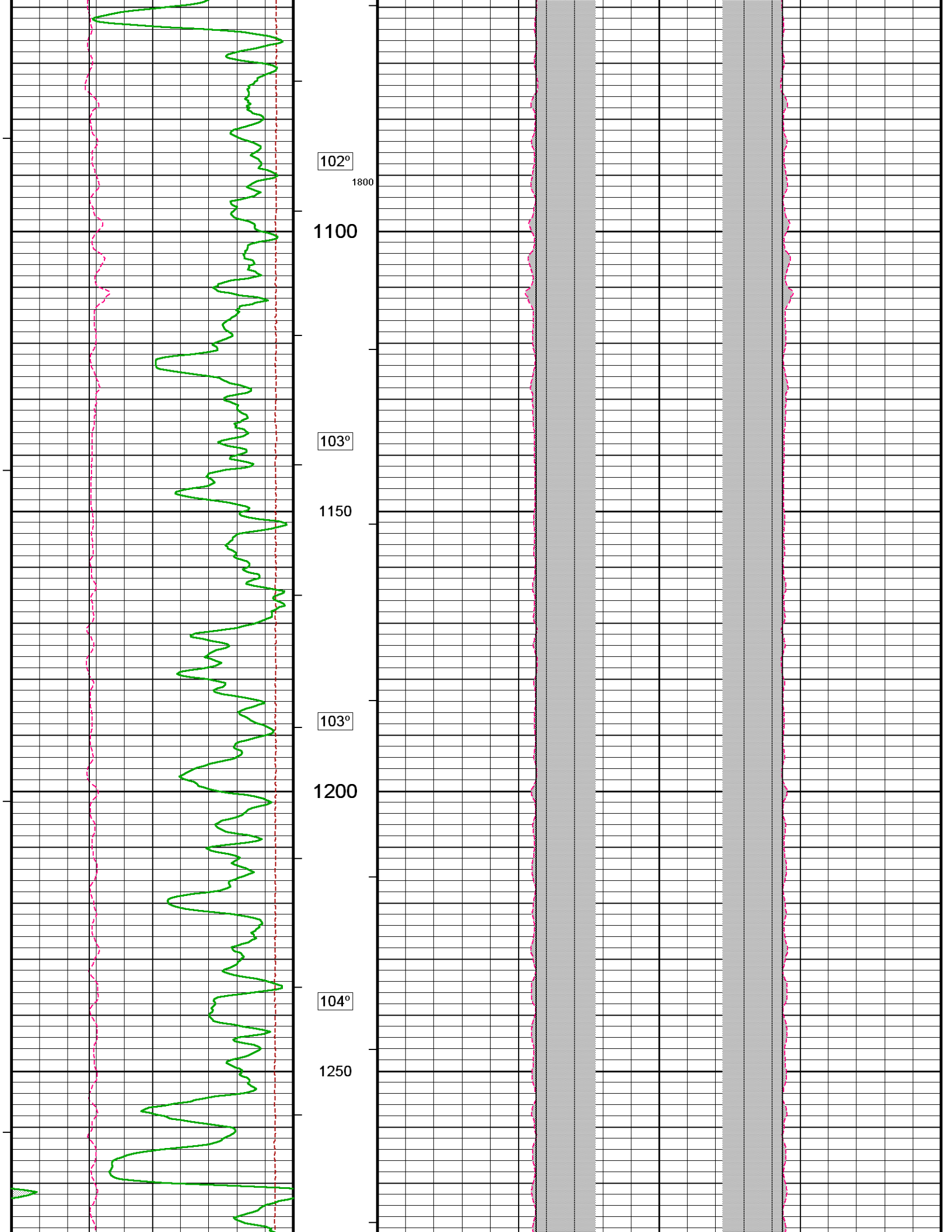
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs,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

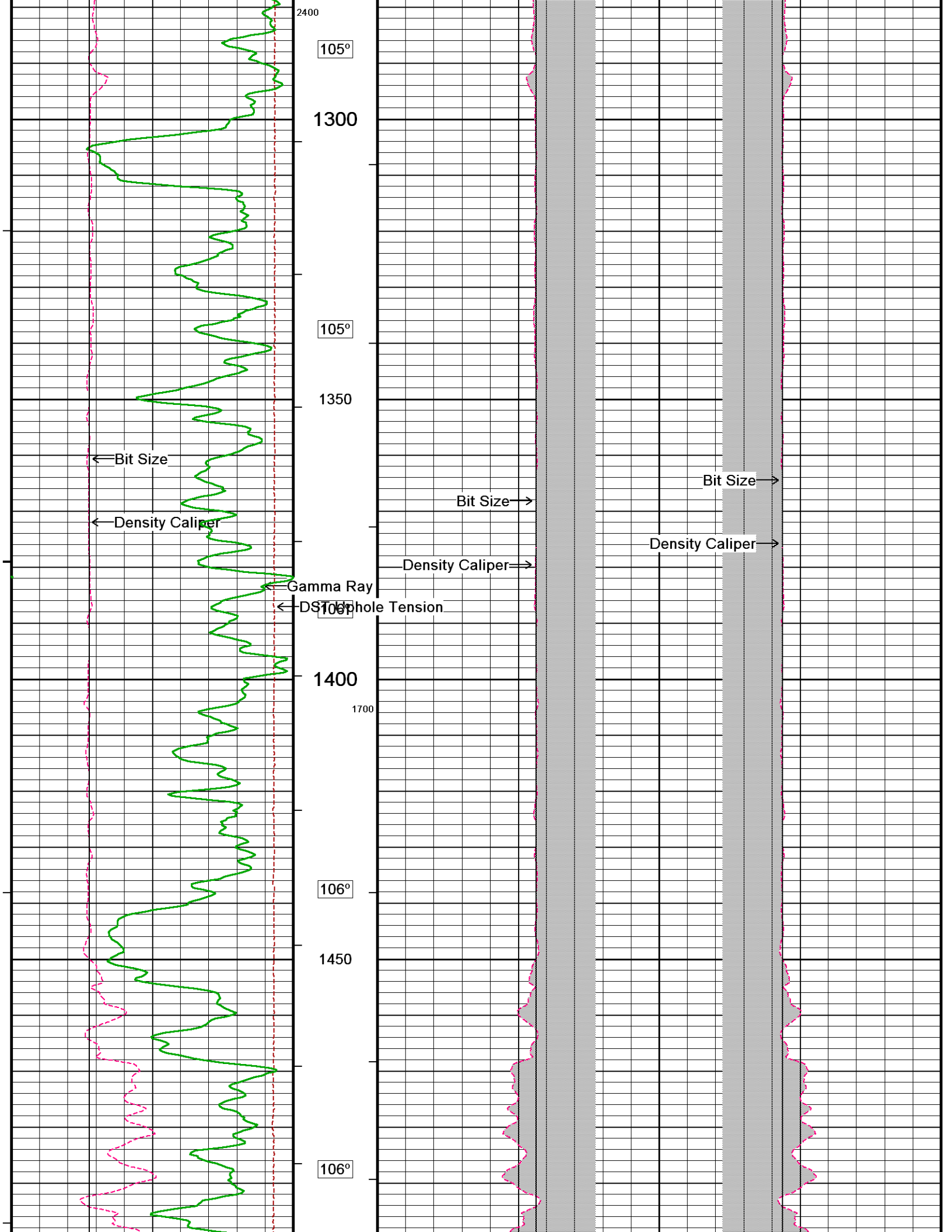
**5 INCH MAIN LOG**

Depth Based Data - Maximum Sampling Increment 10.0cm Plotted on 25-APR-2011 13:08  
 Filename: C:\DOCUME~1\rodgerbx\LOCALS~1\Temp\Weather...\BBC GGU Daley 24A-19-691\_005.dta Recorded on 24-APR-2011 18:31  
 System Versions: Logged with 11.02.3186 Processed with 11.02.3186 Plotted with 11.02.2164

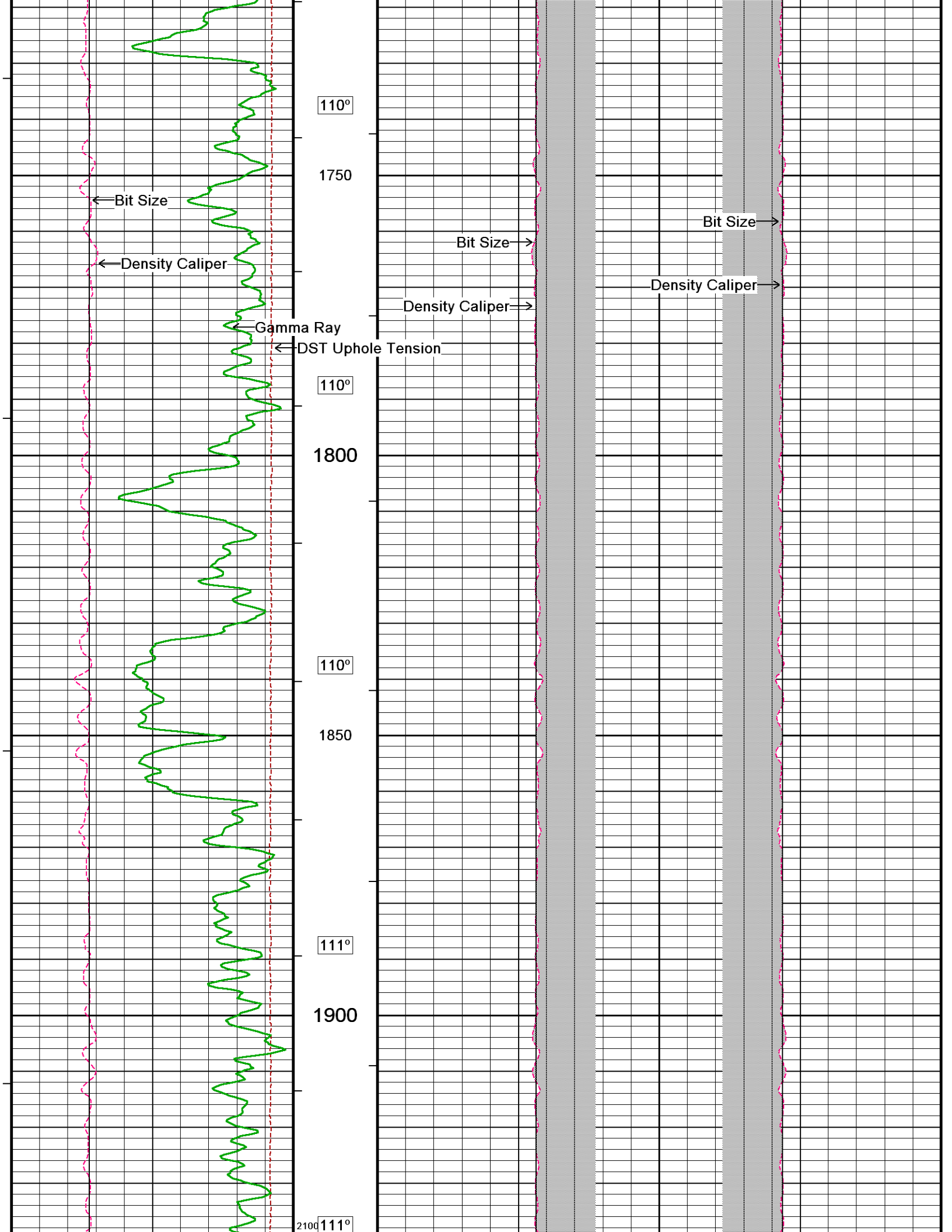


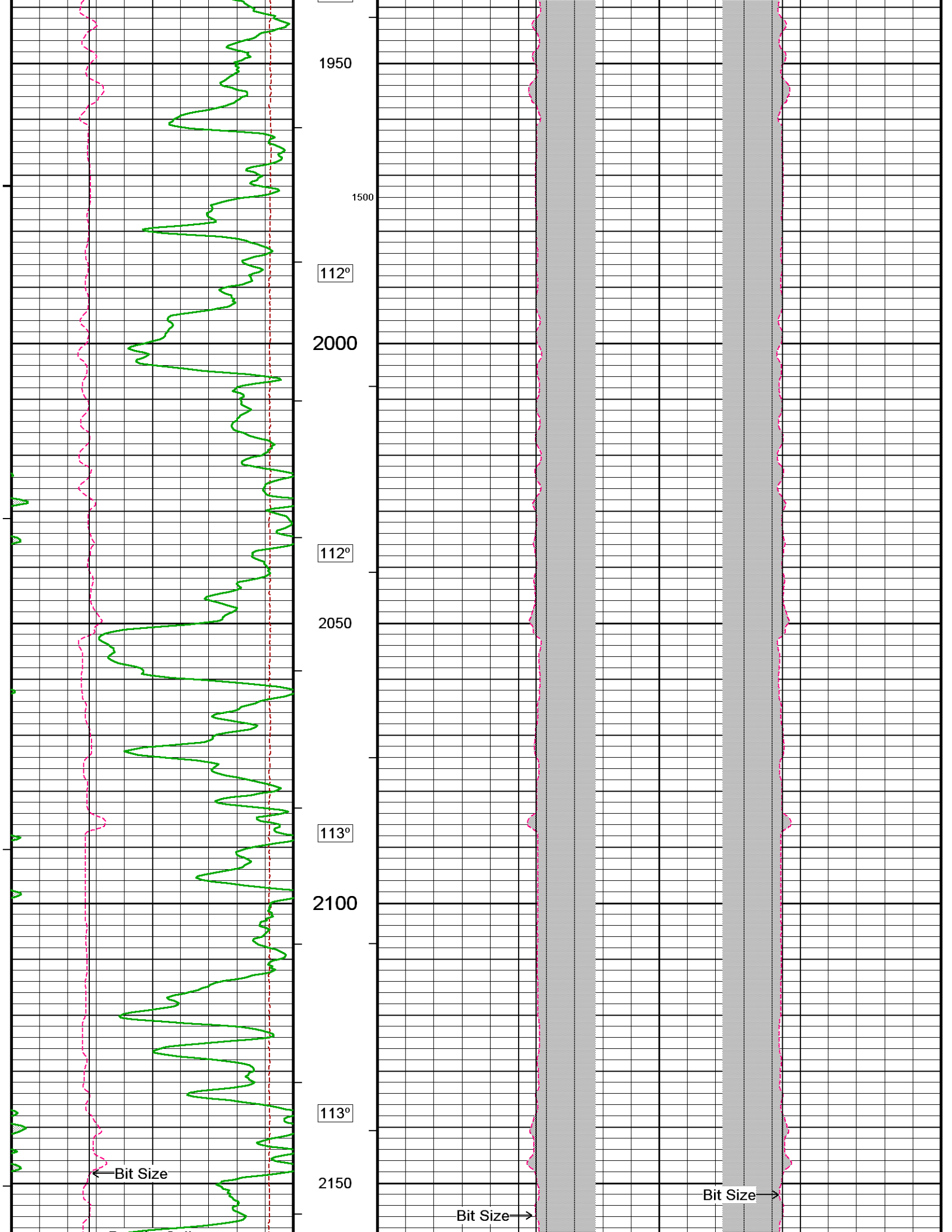


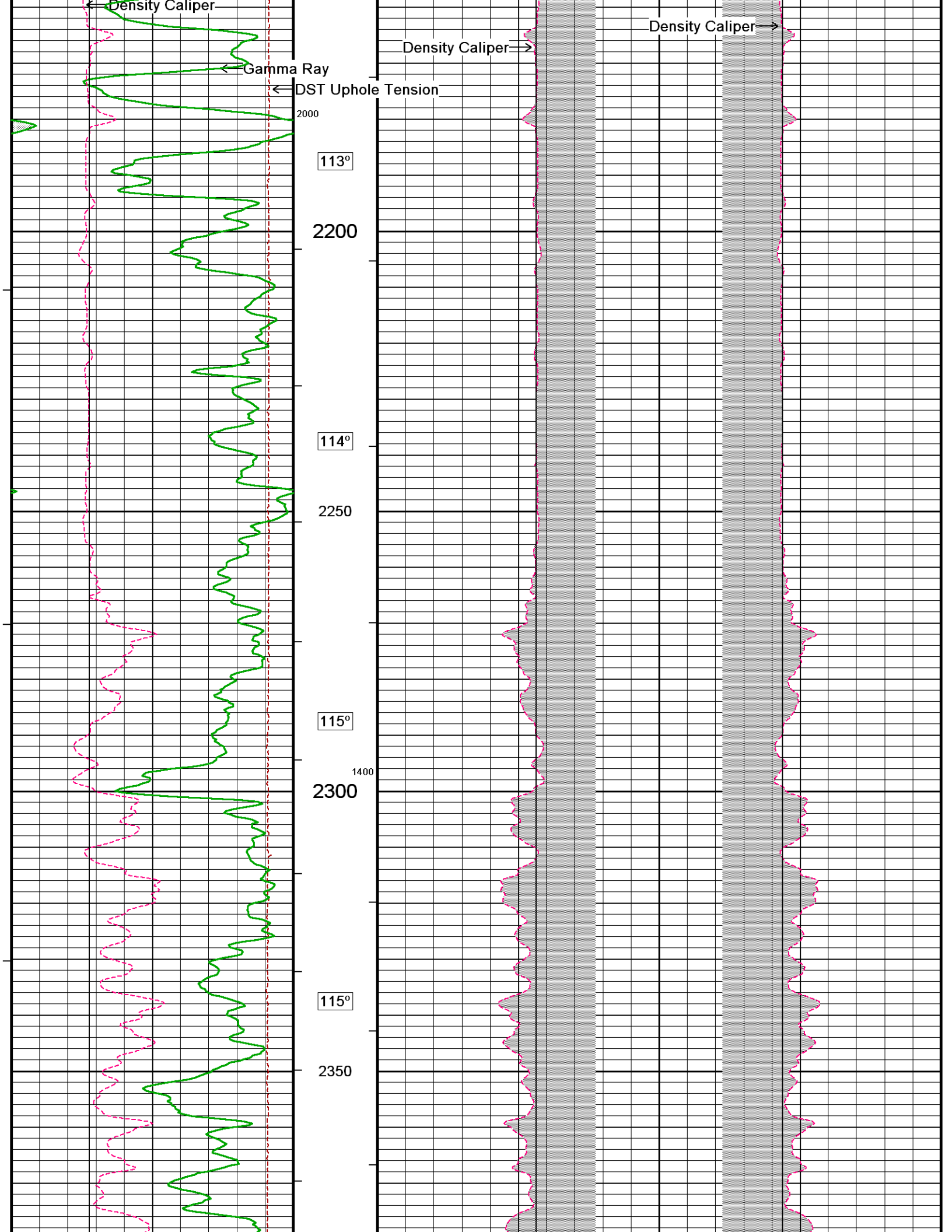


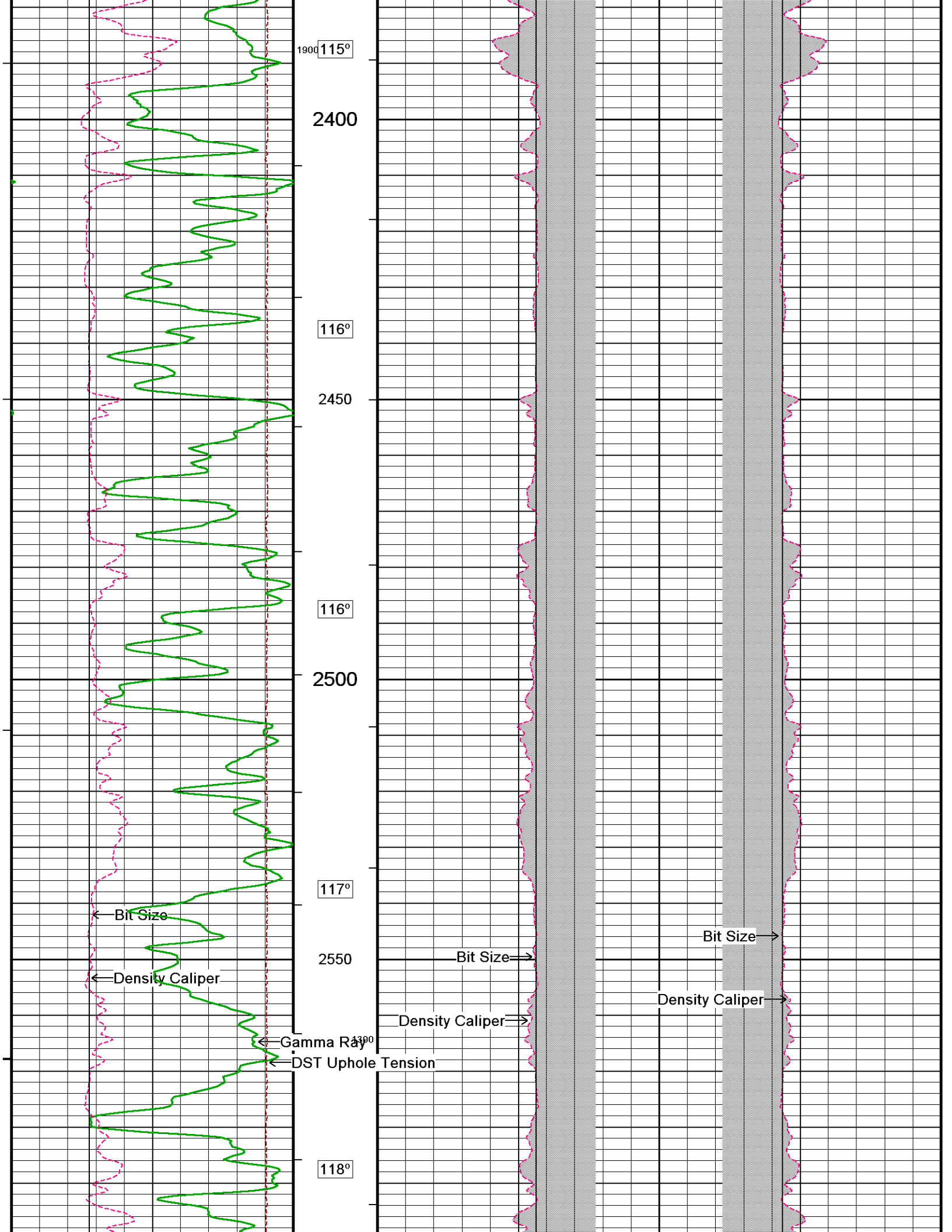


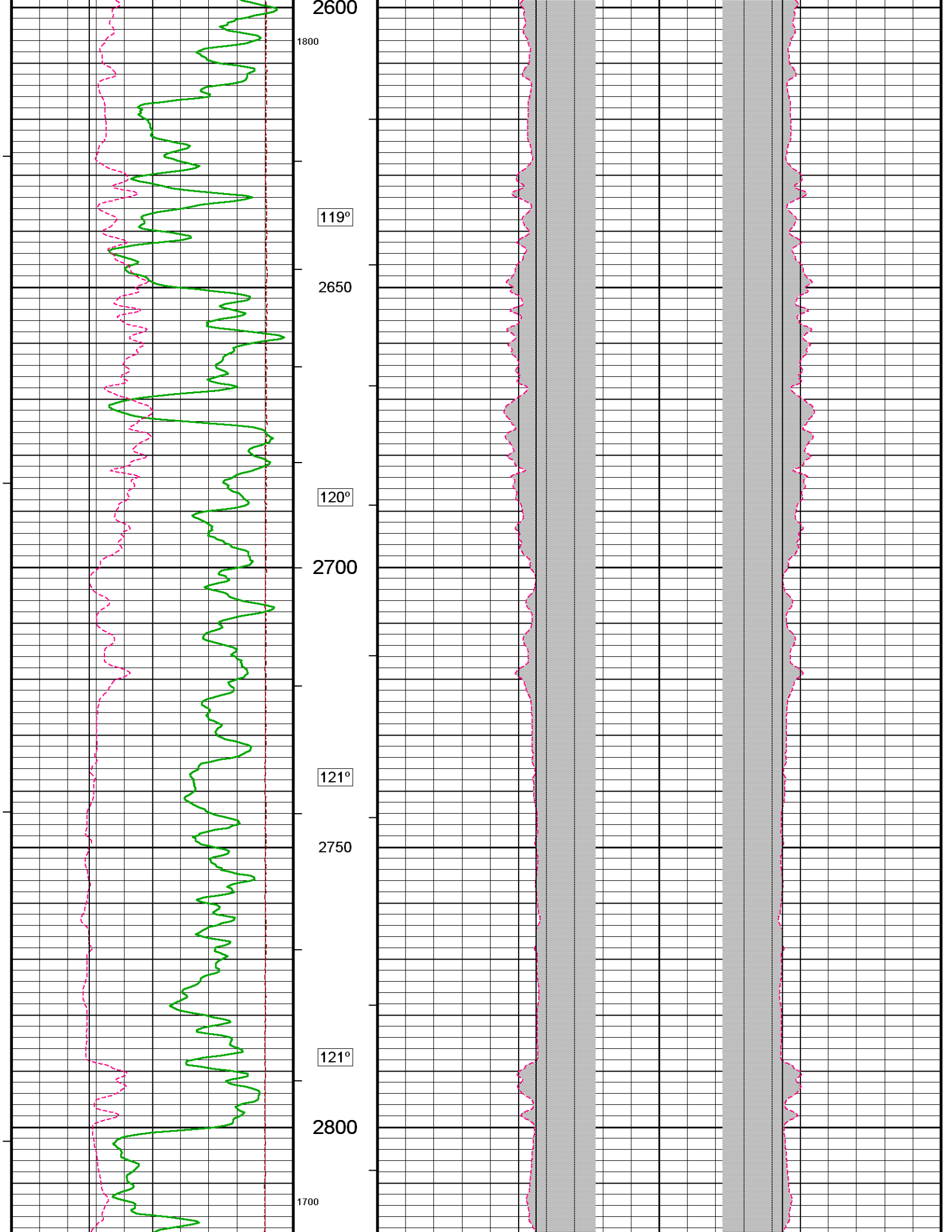


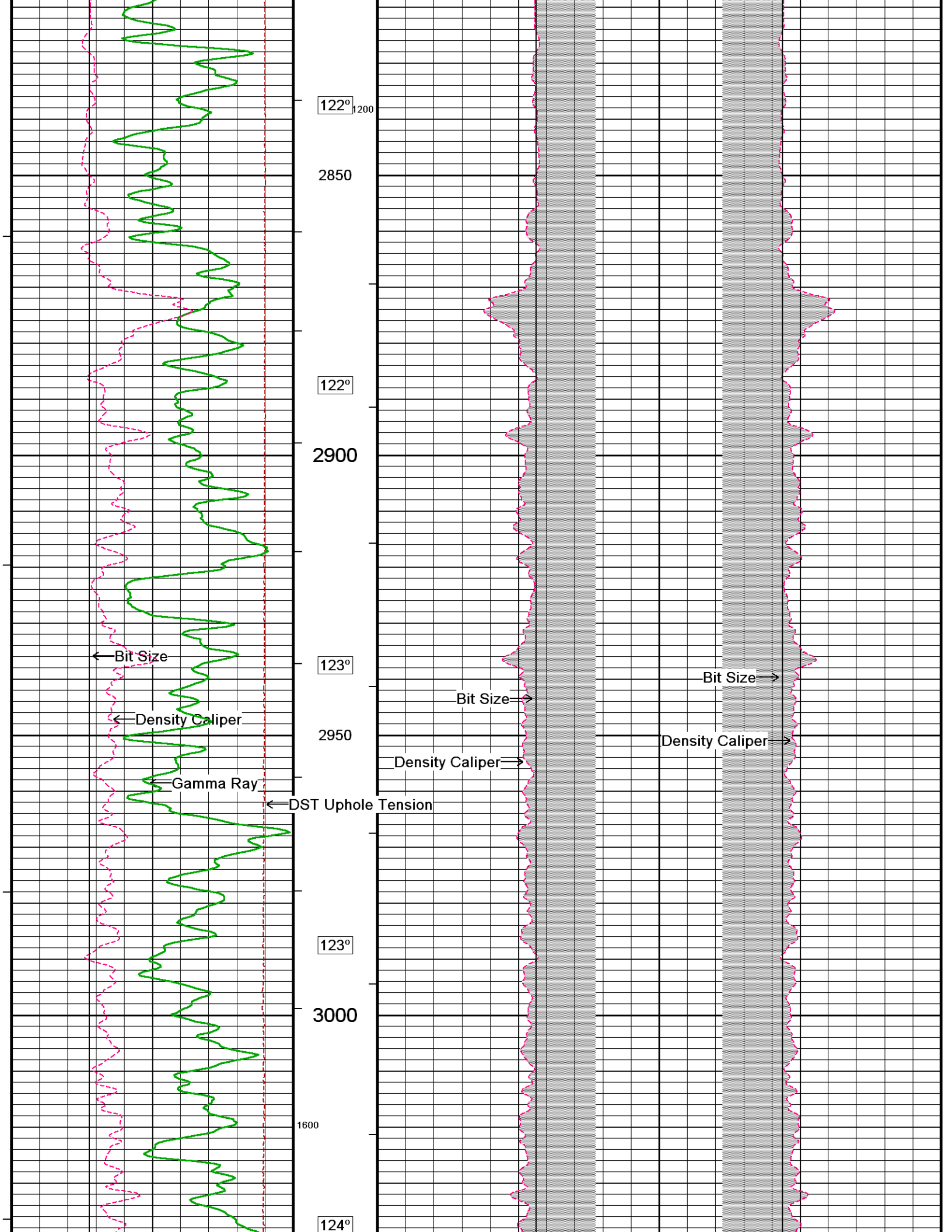


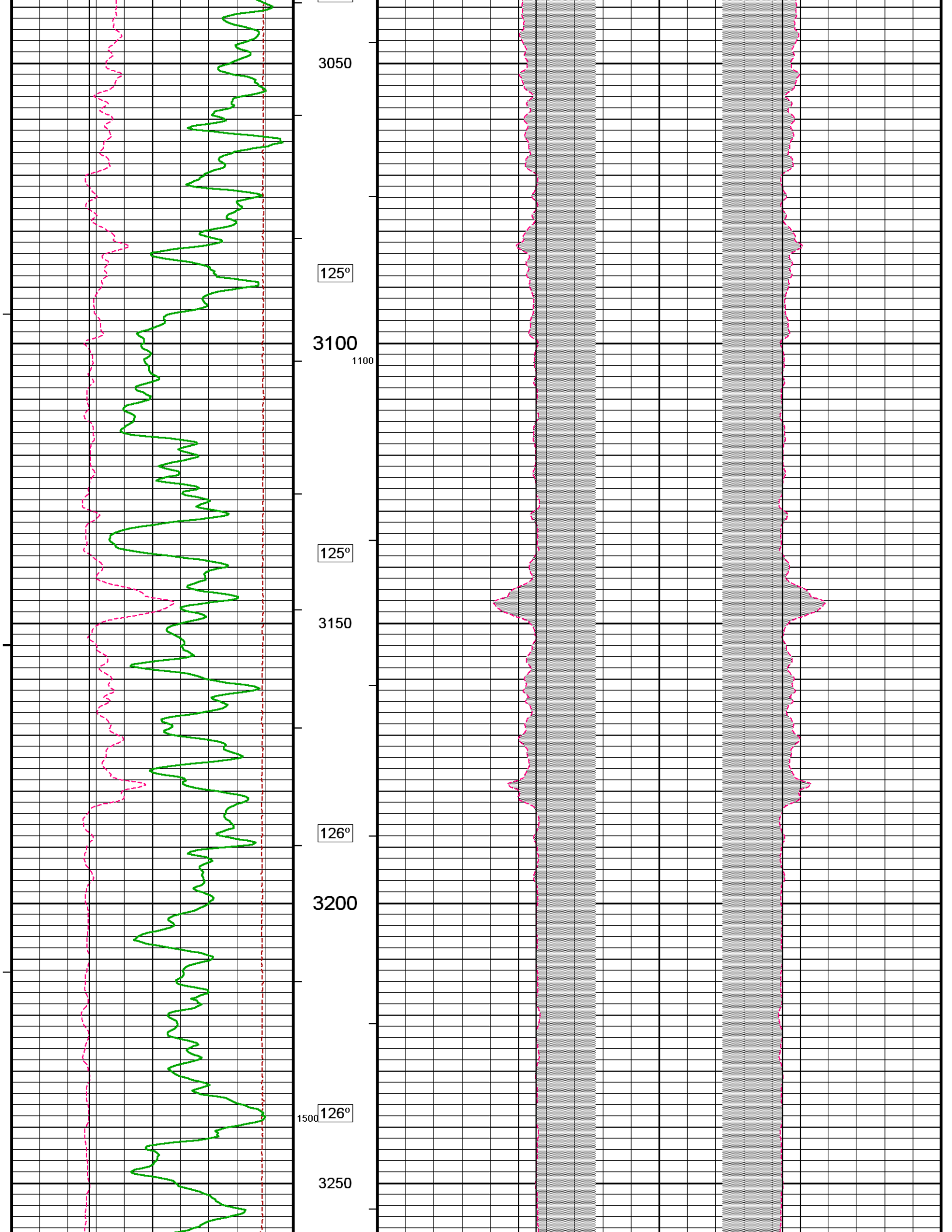


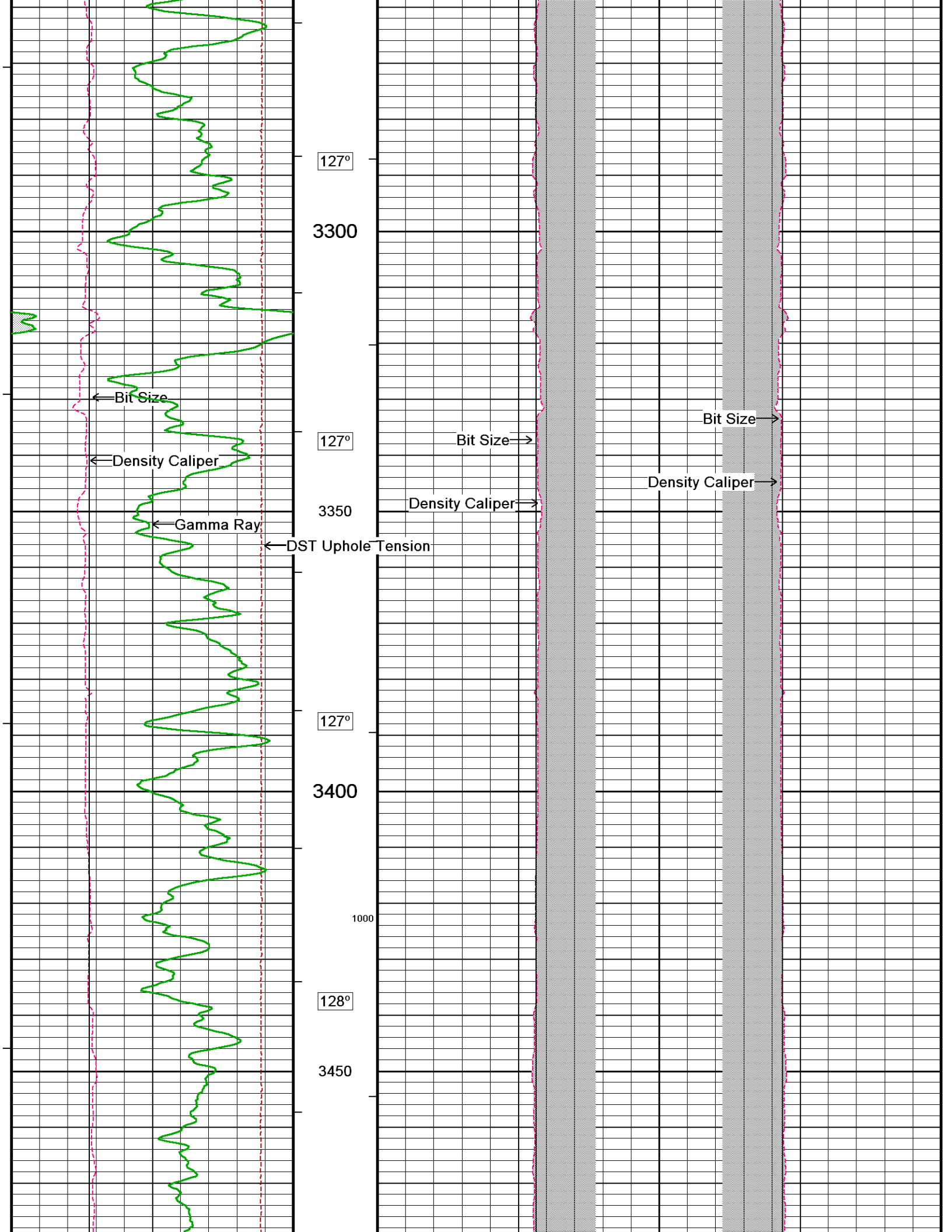


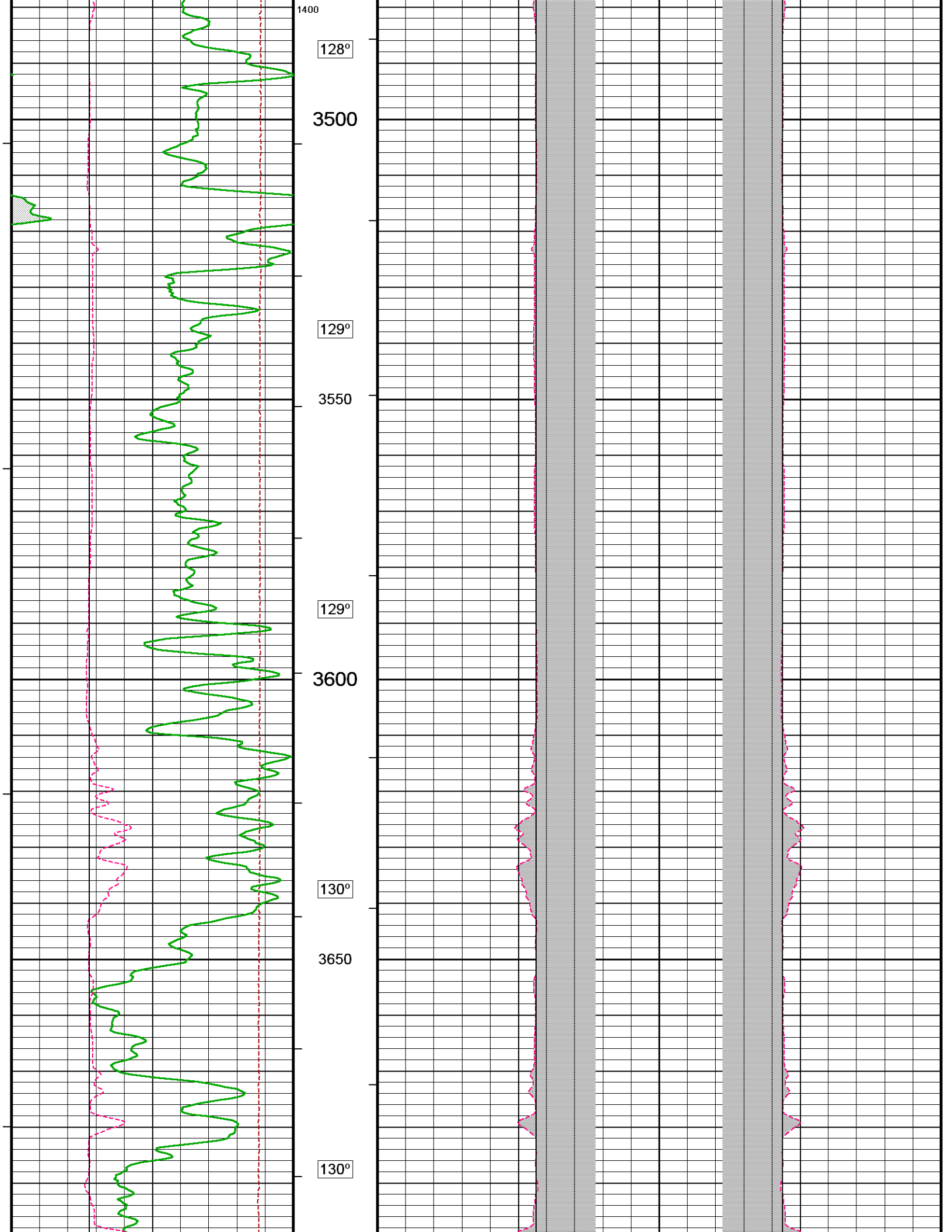


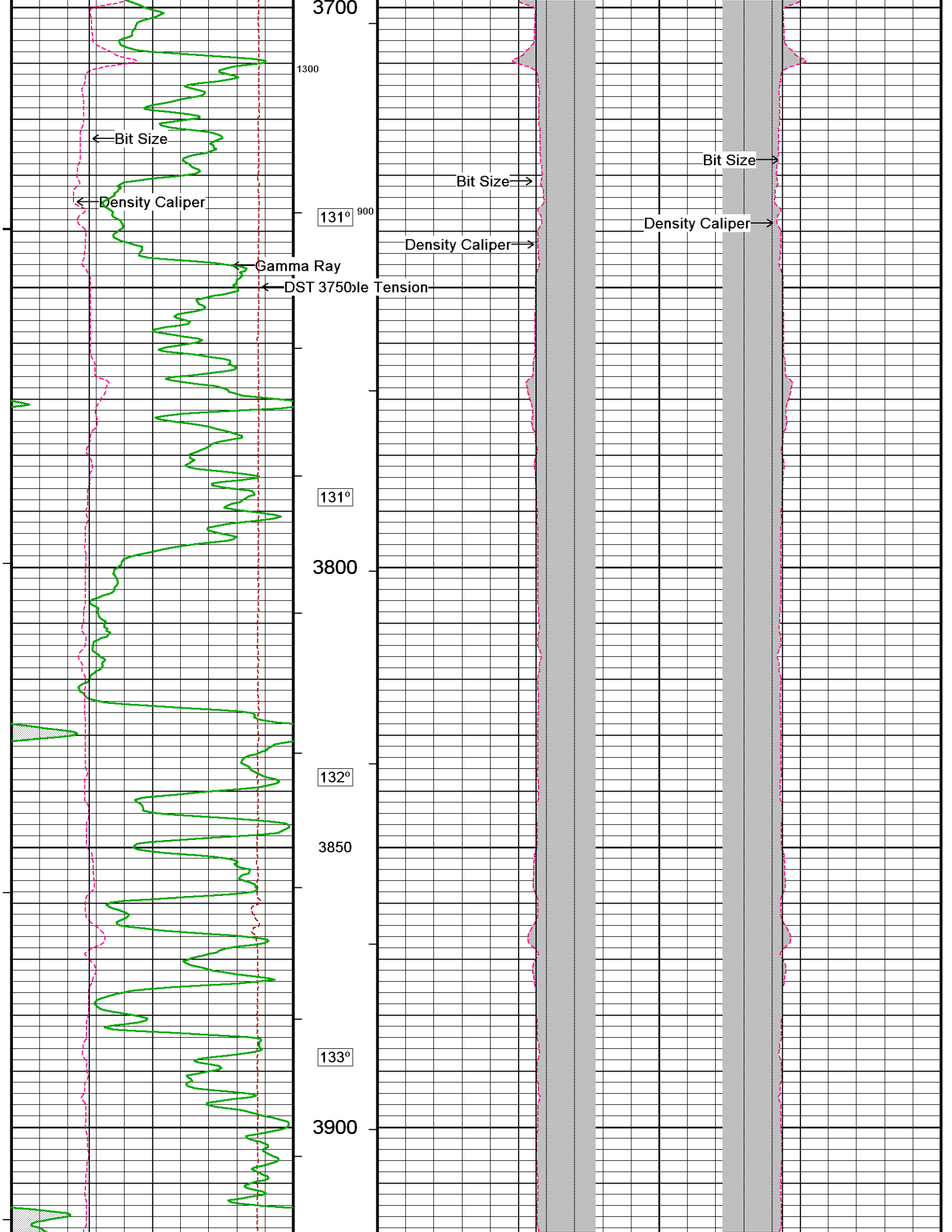


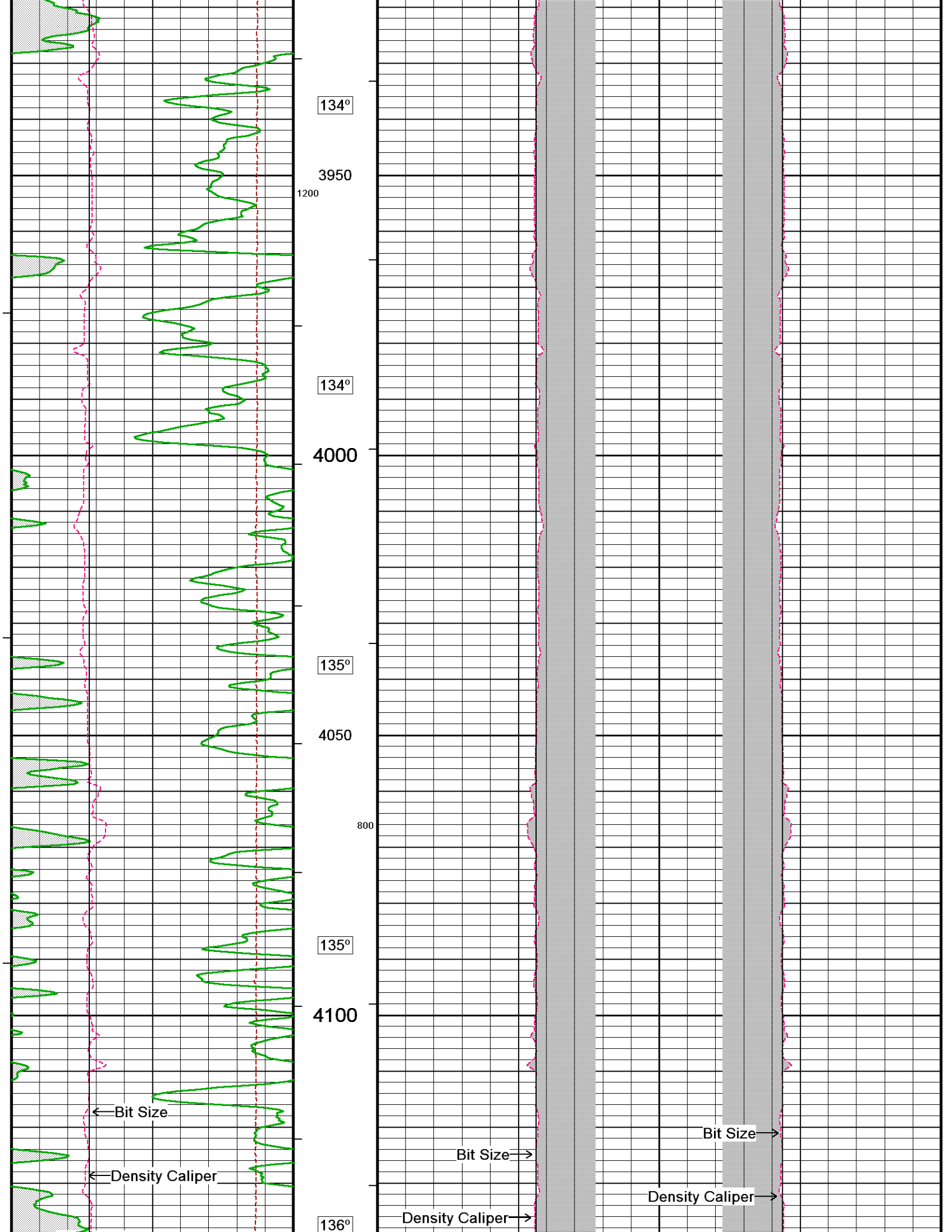


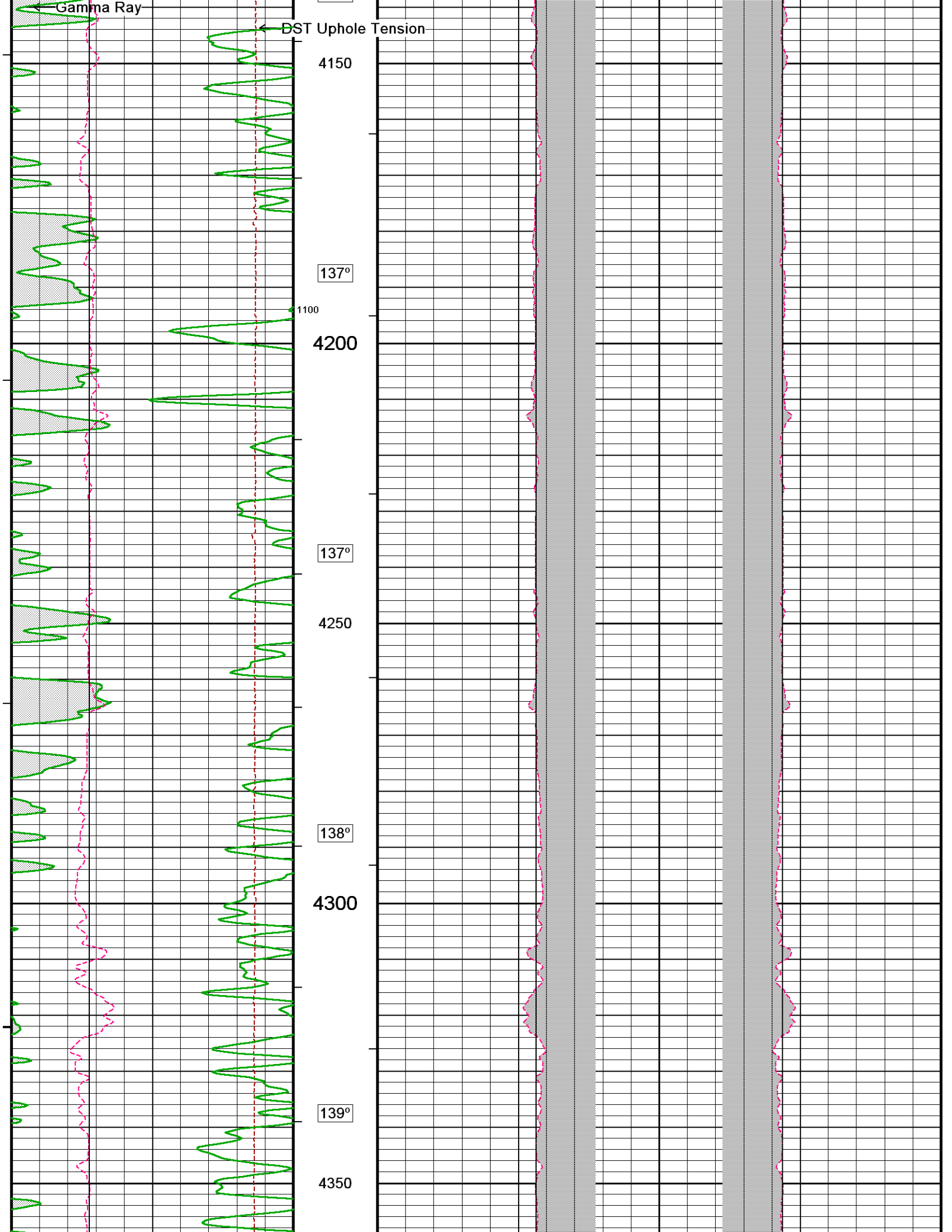


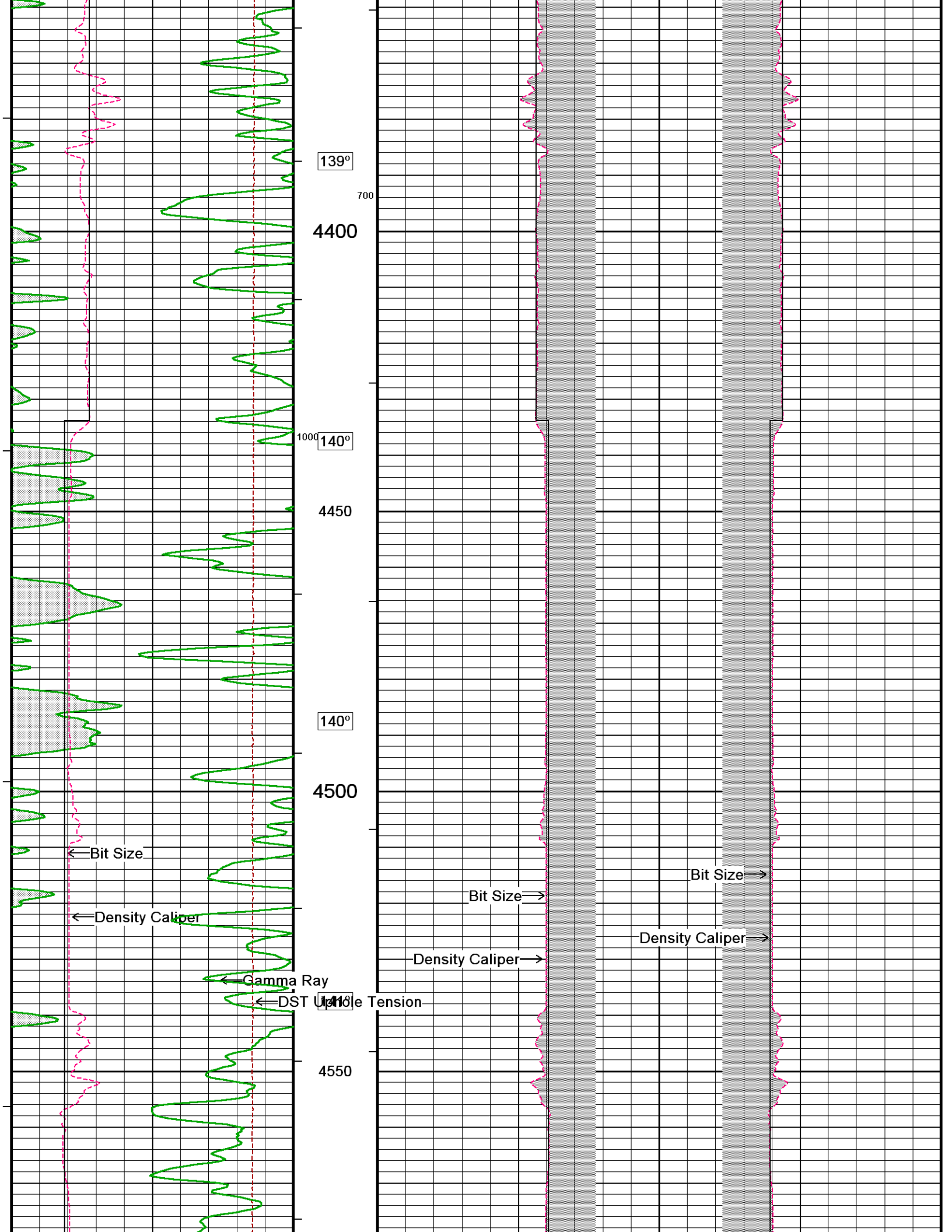


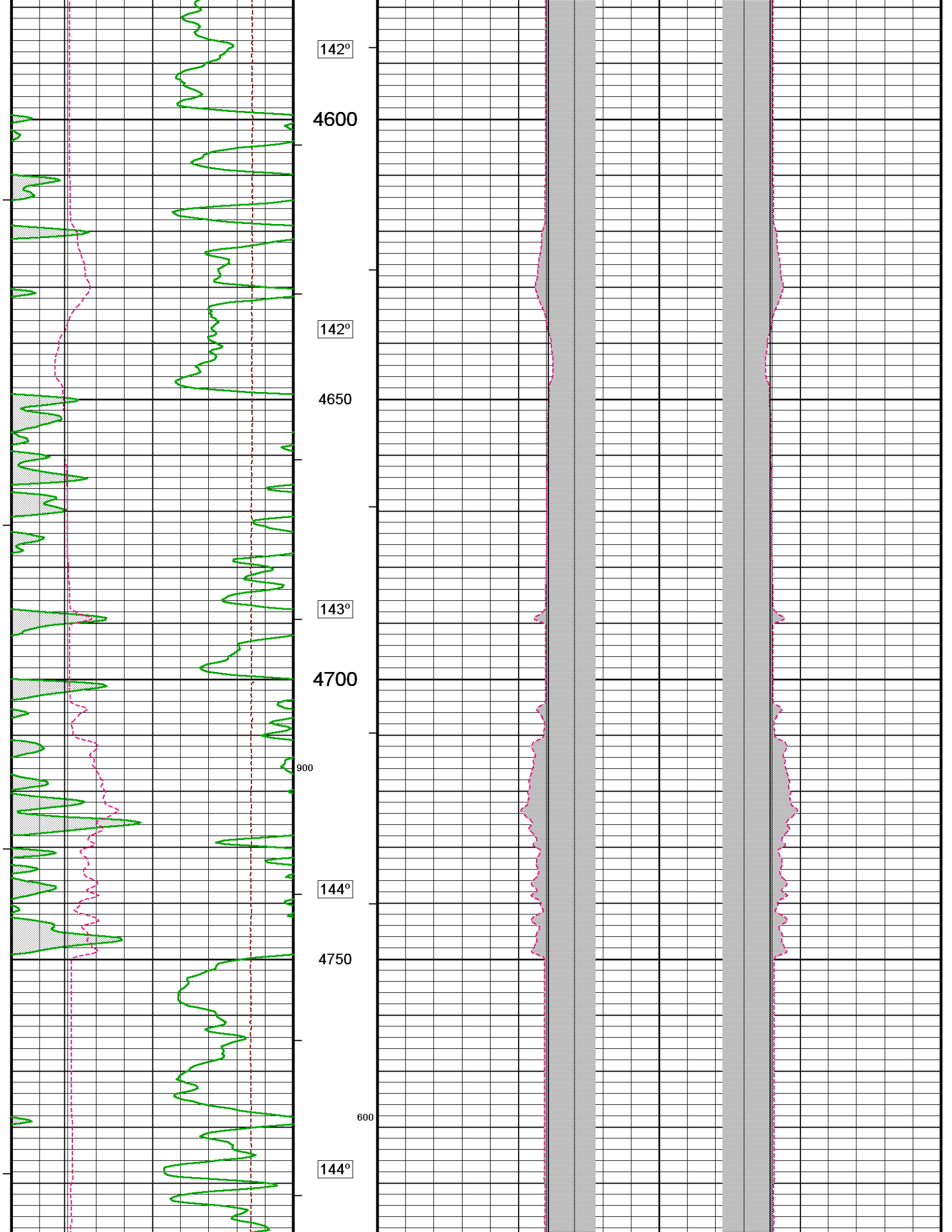


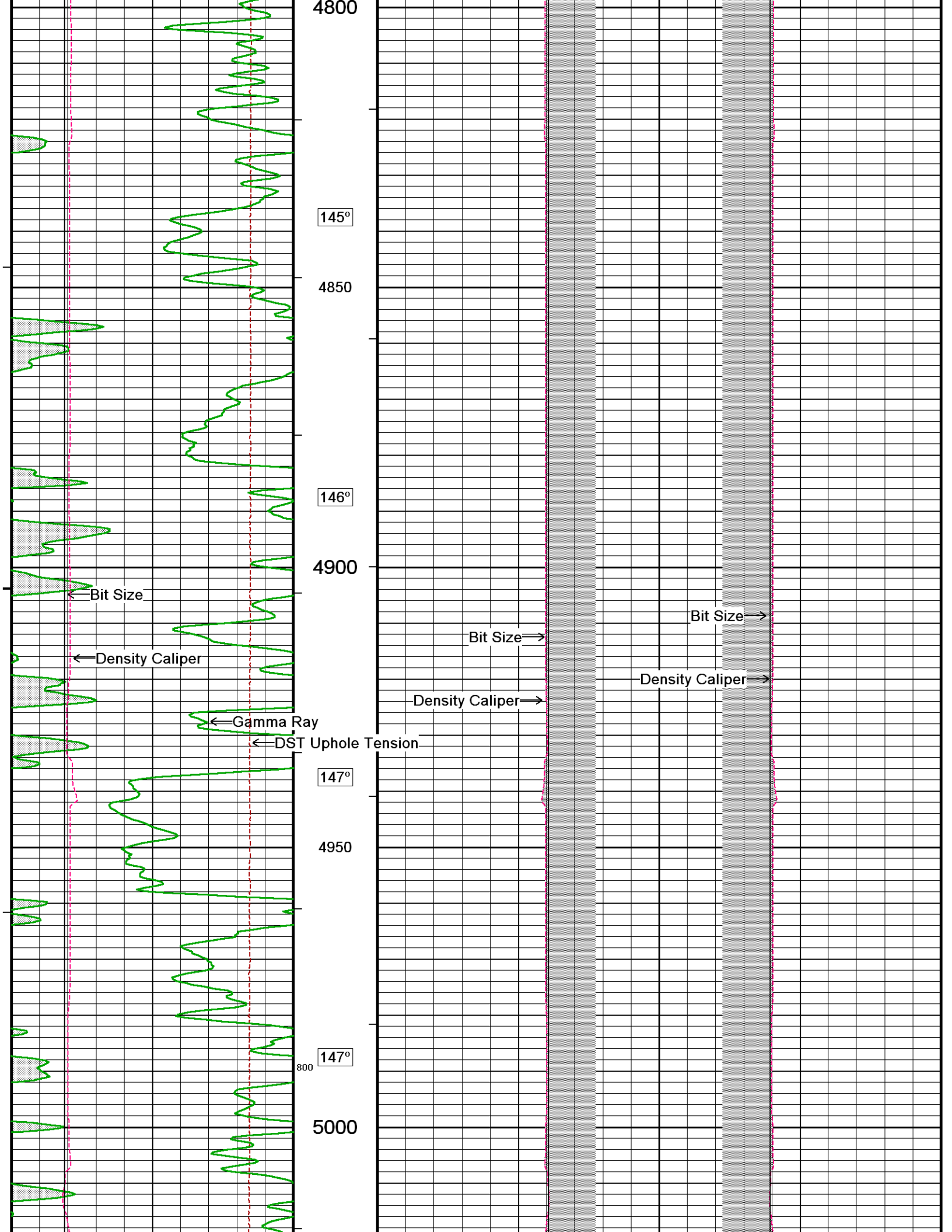


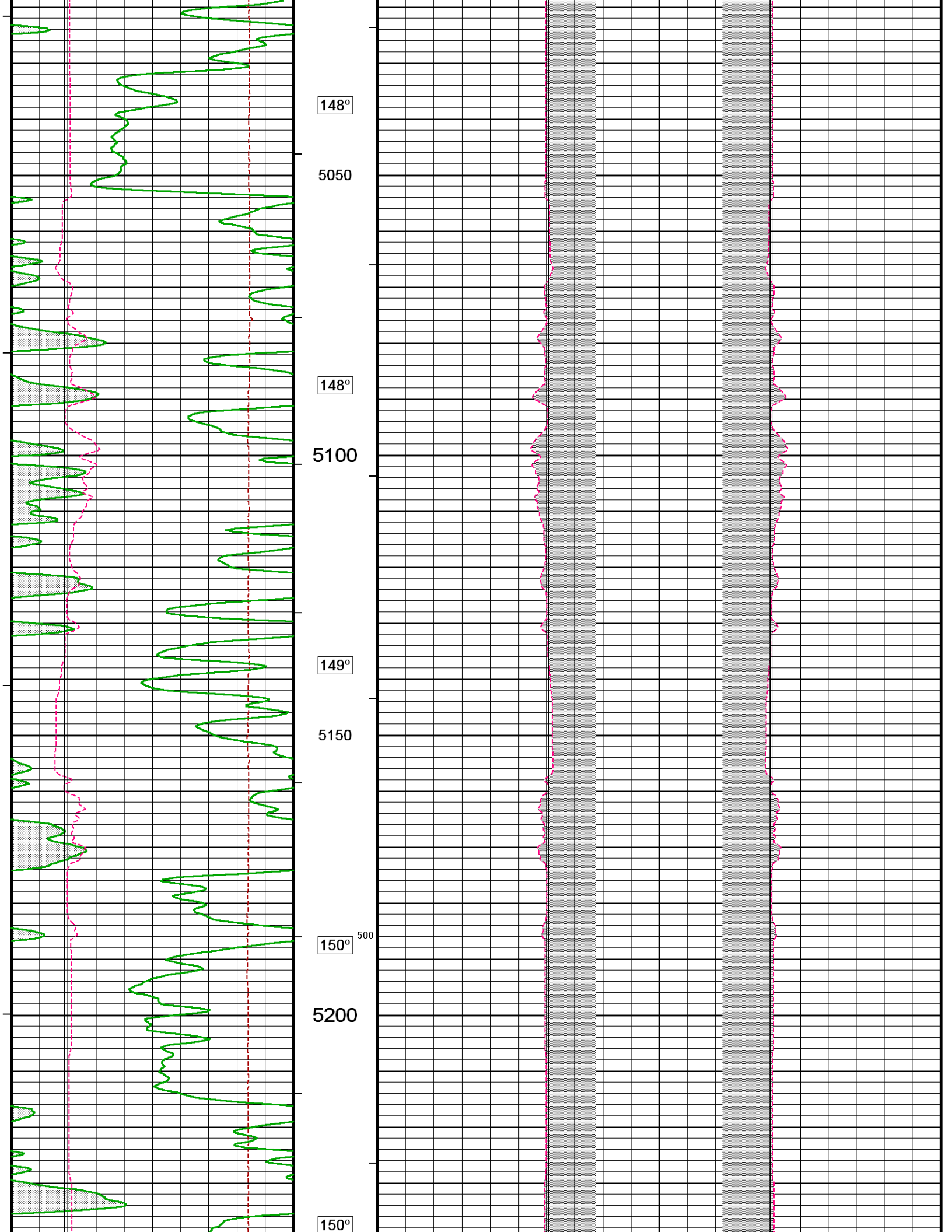


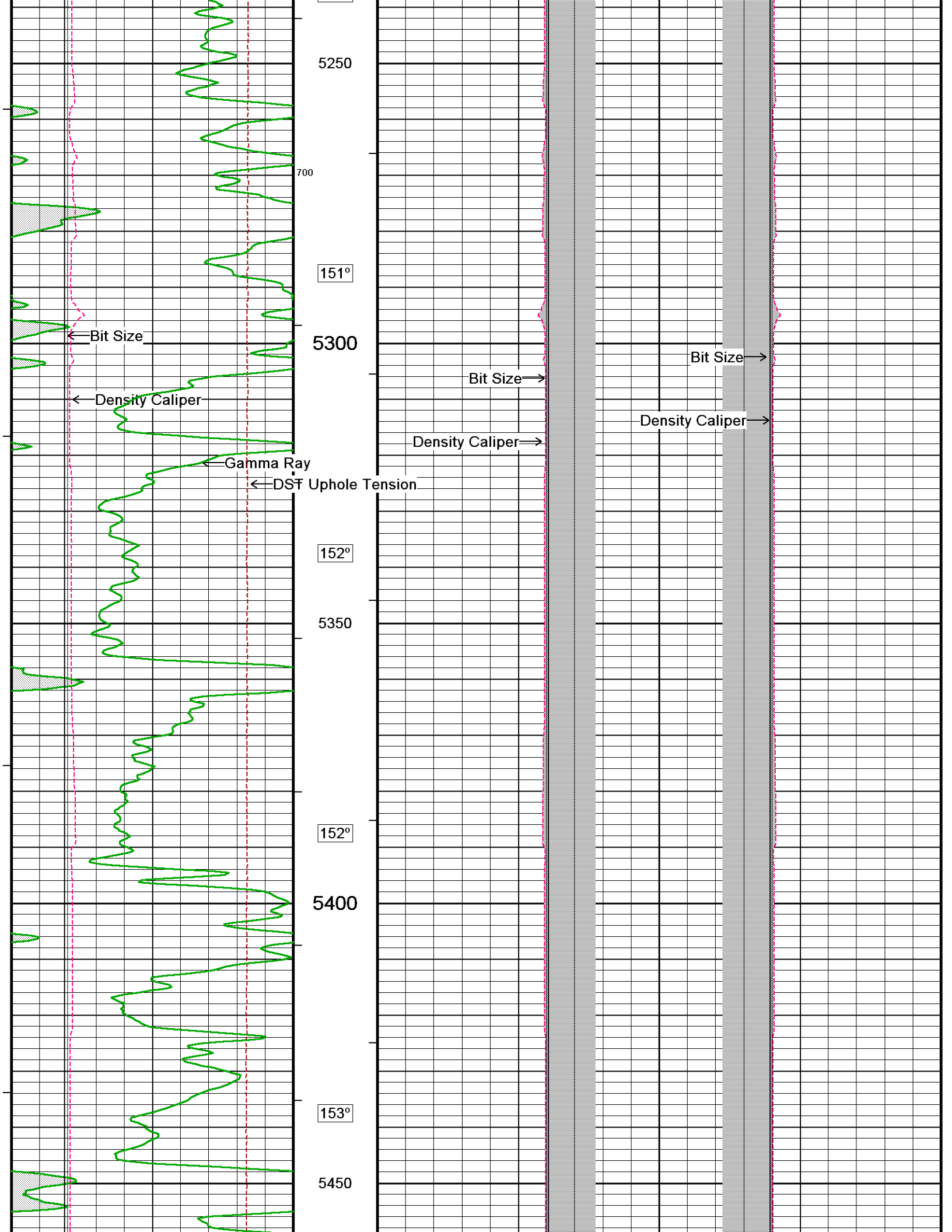


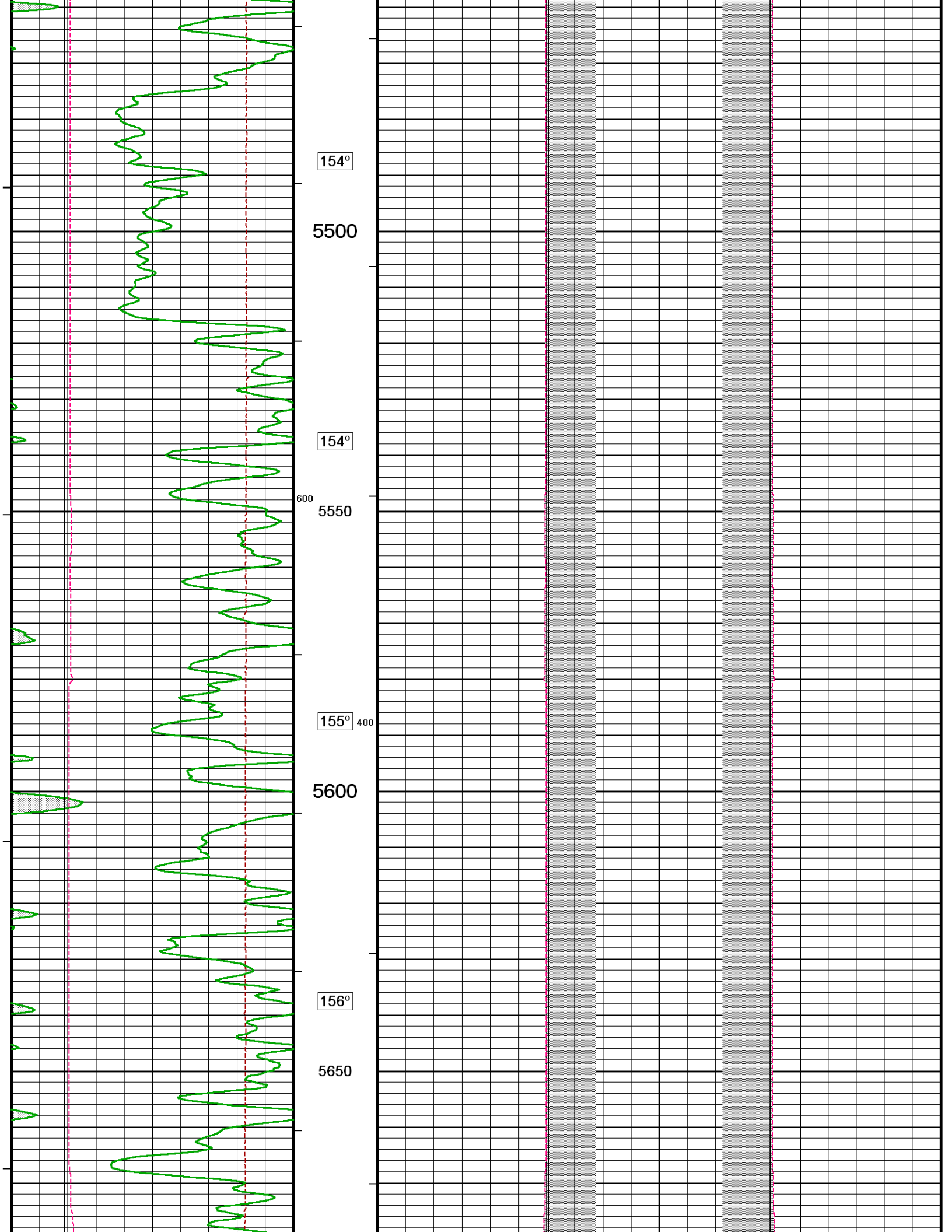


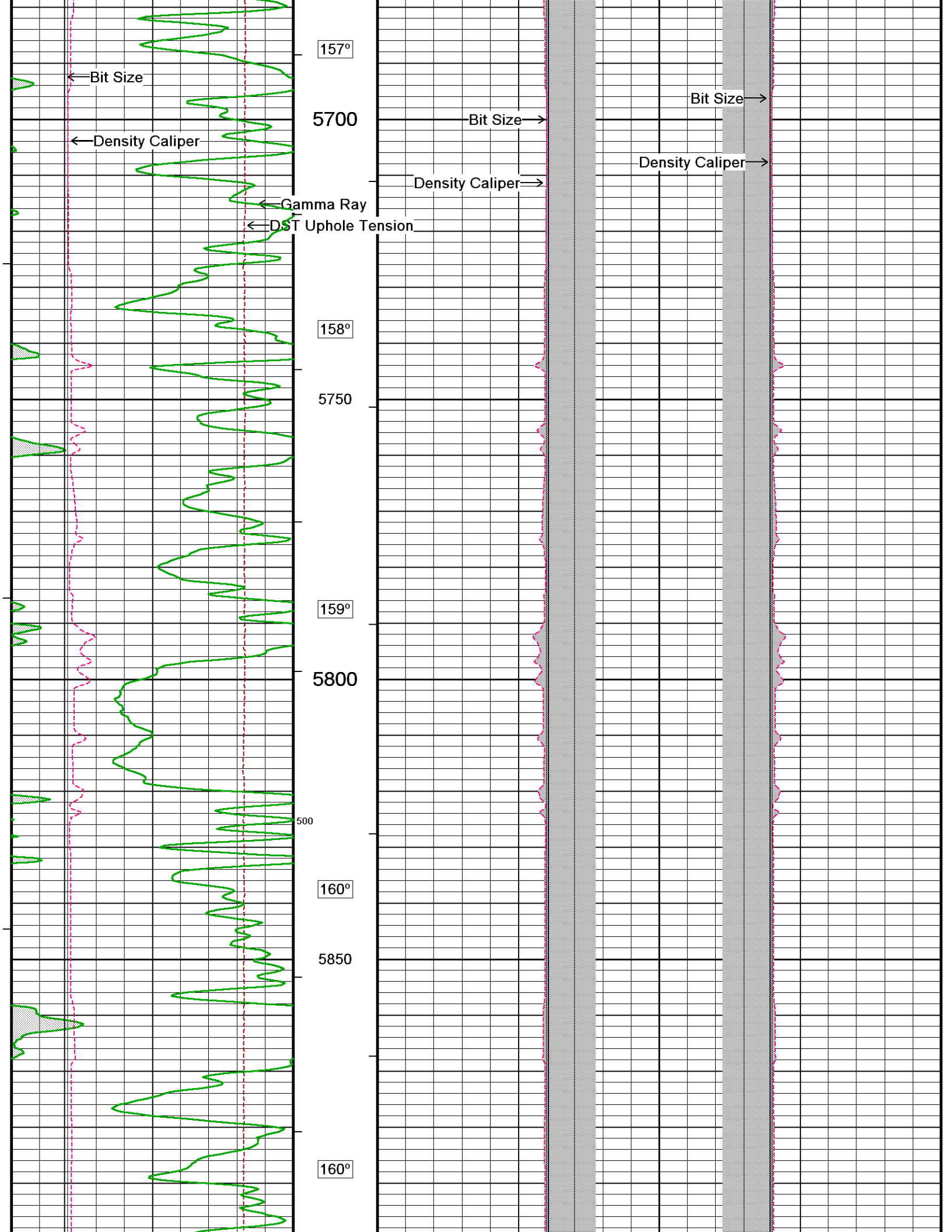


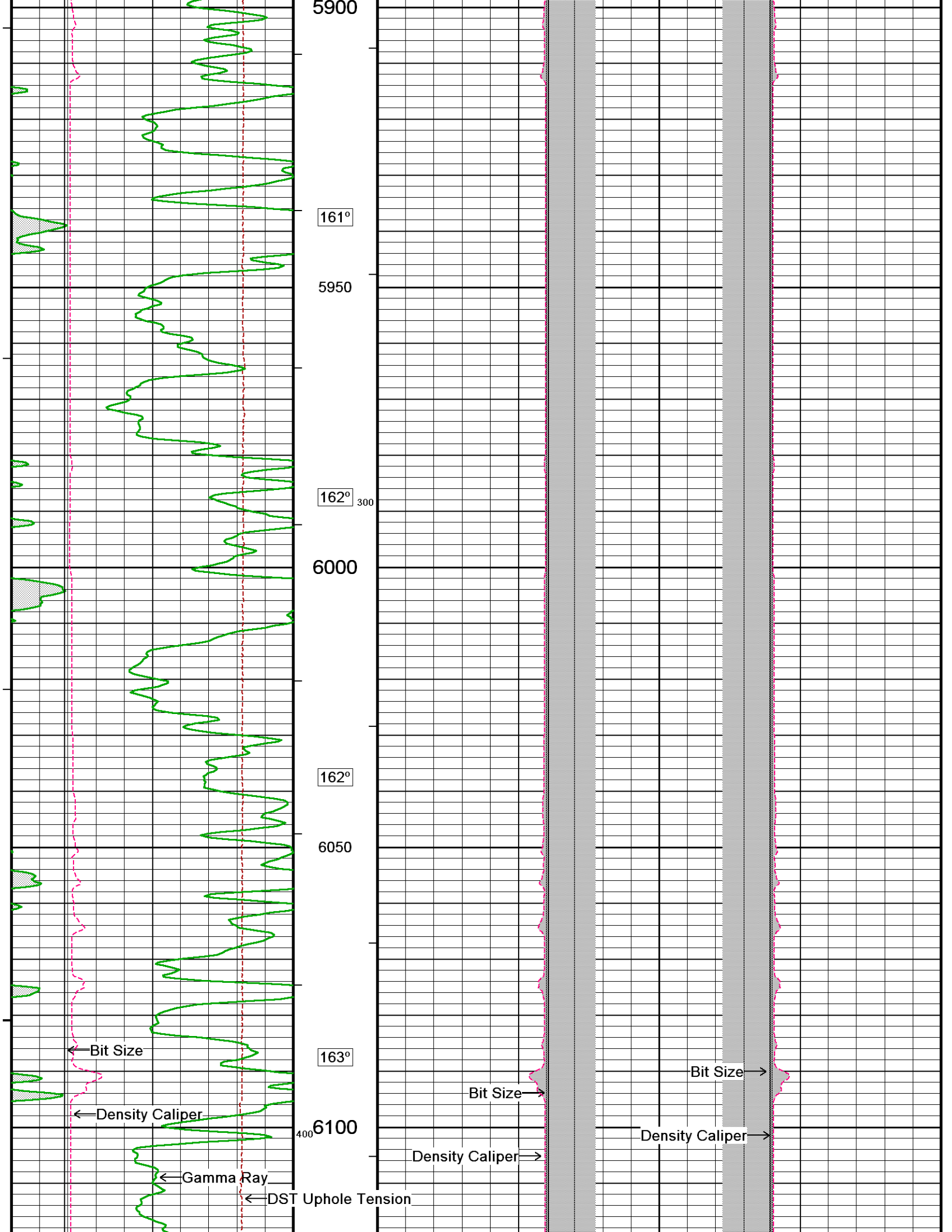


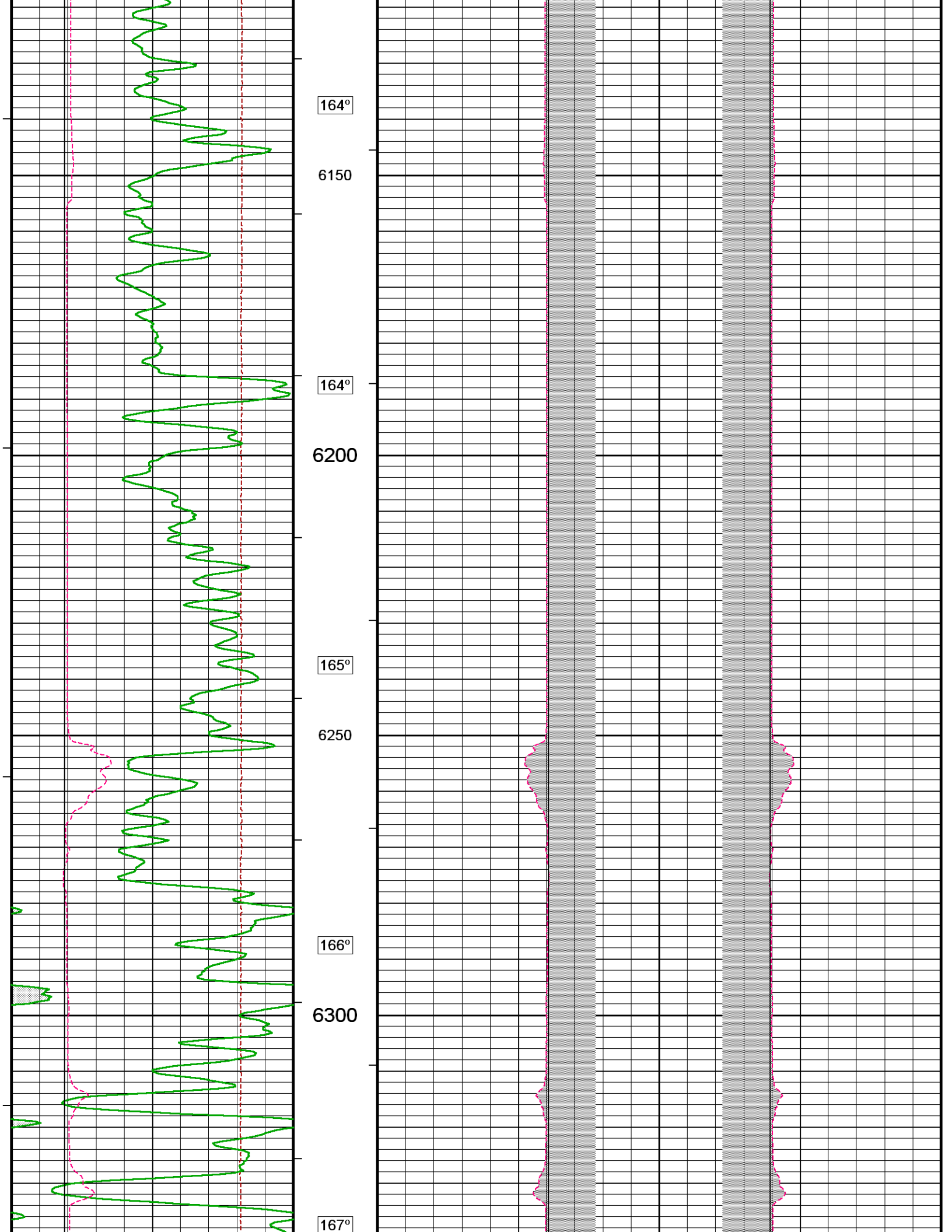


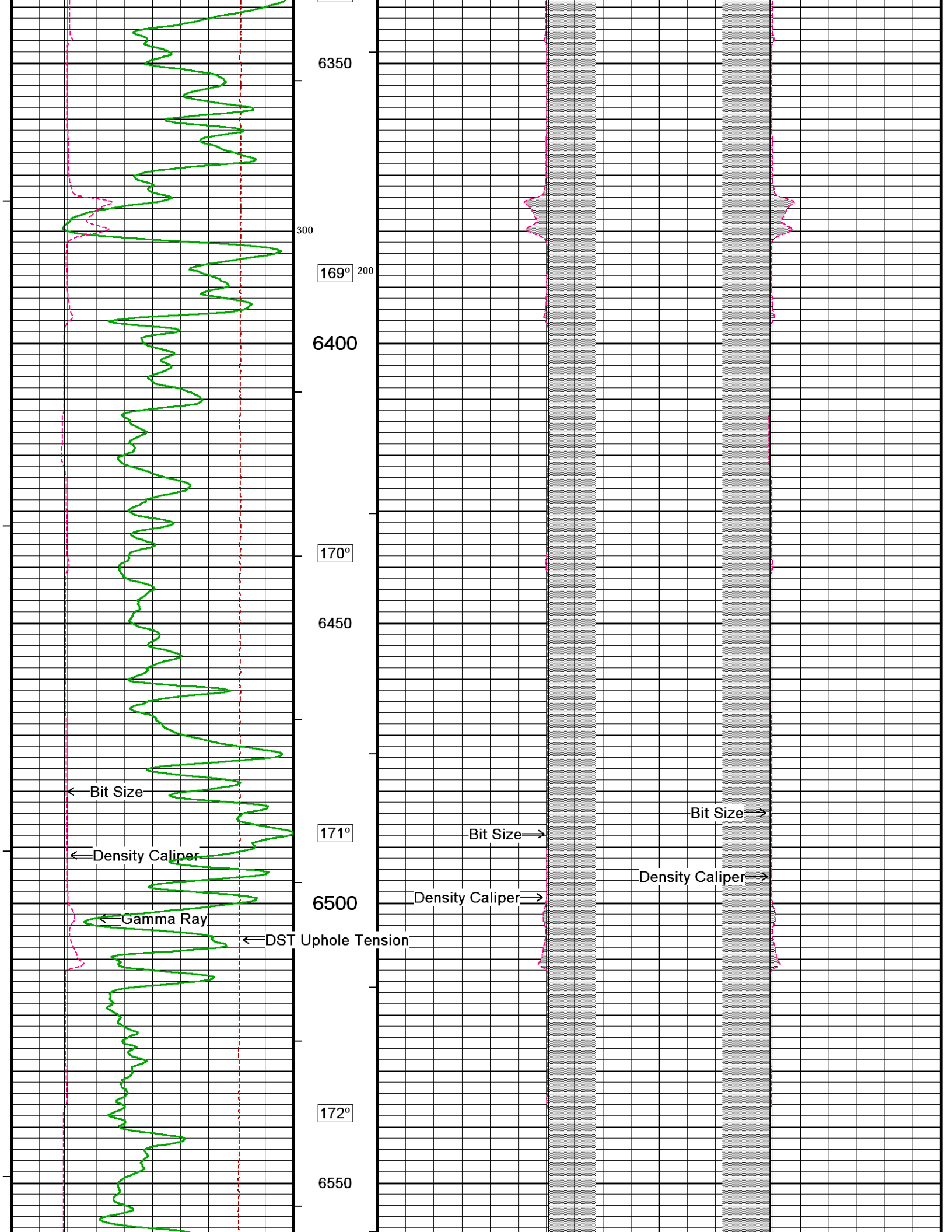


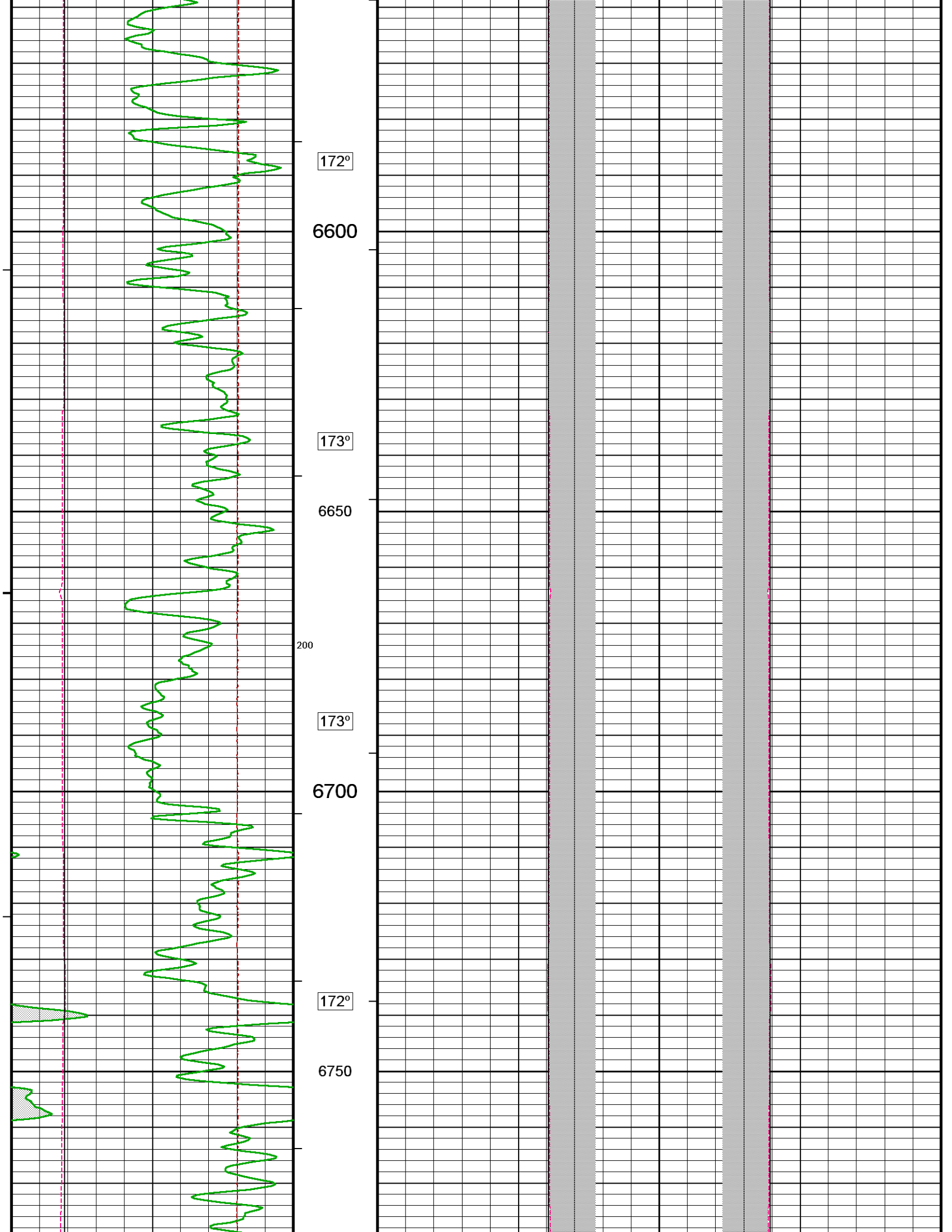


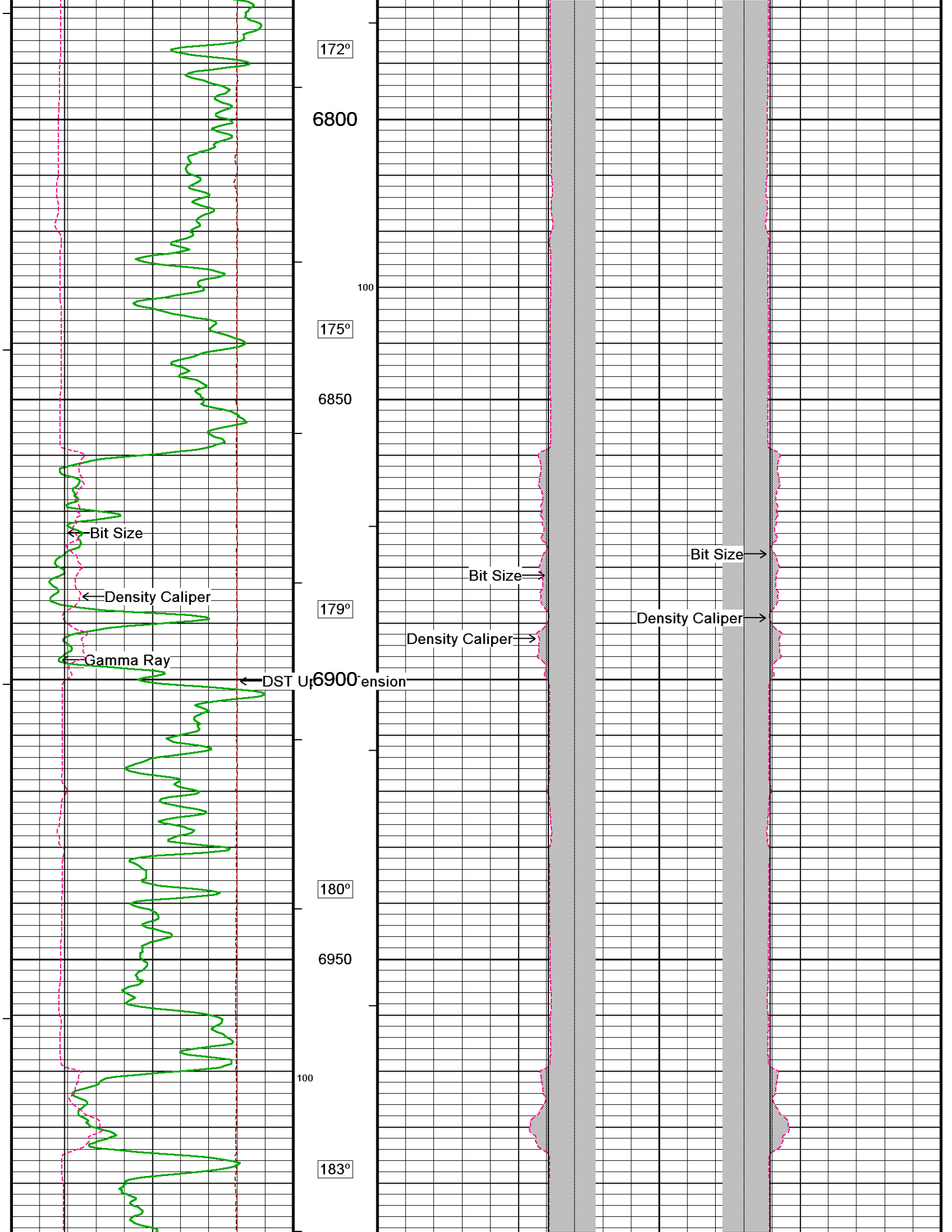


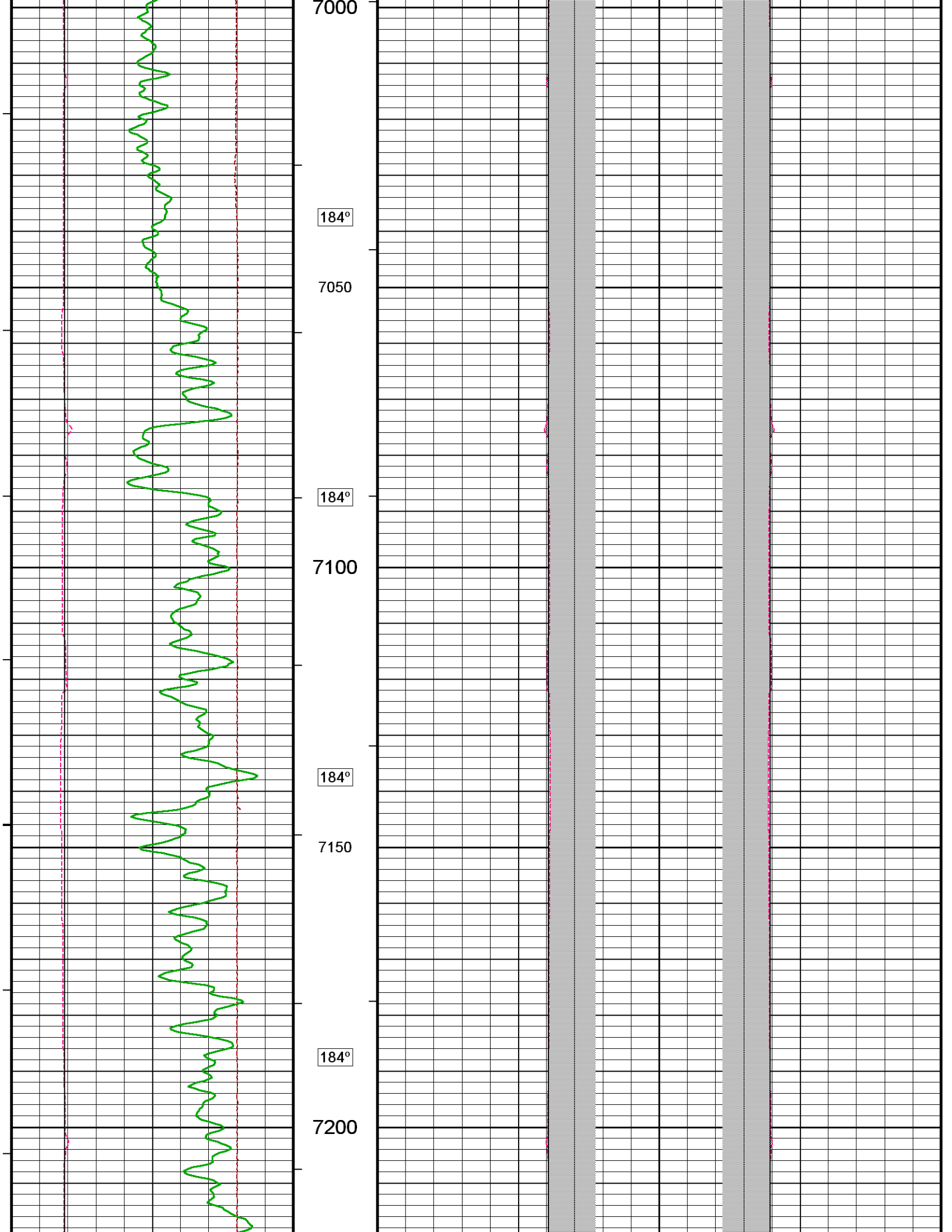


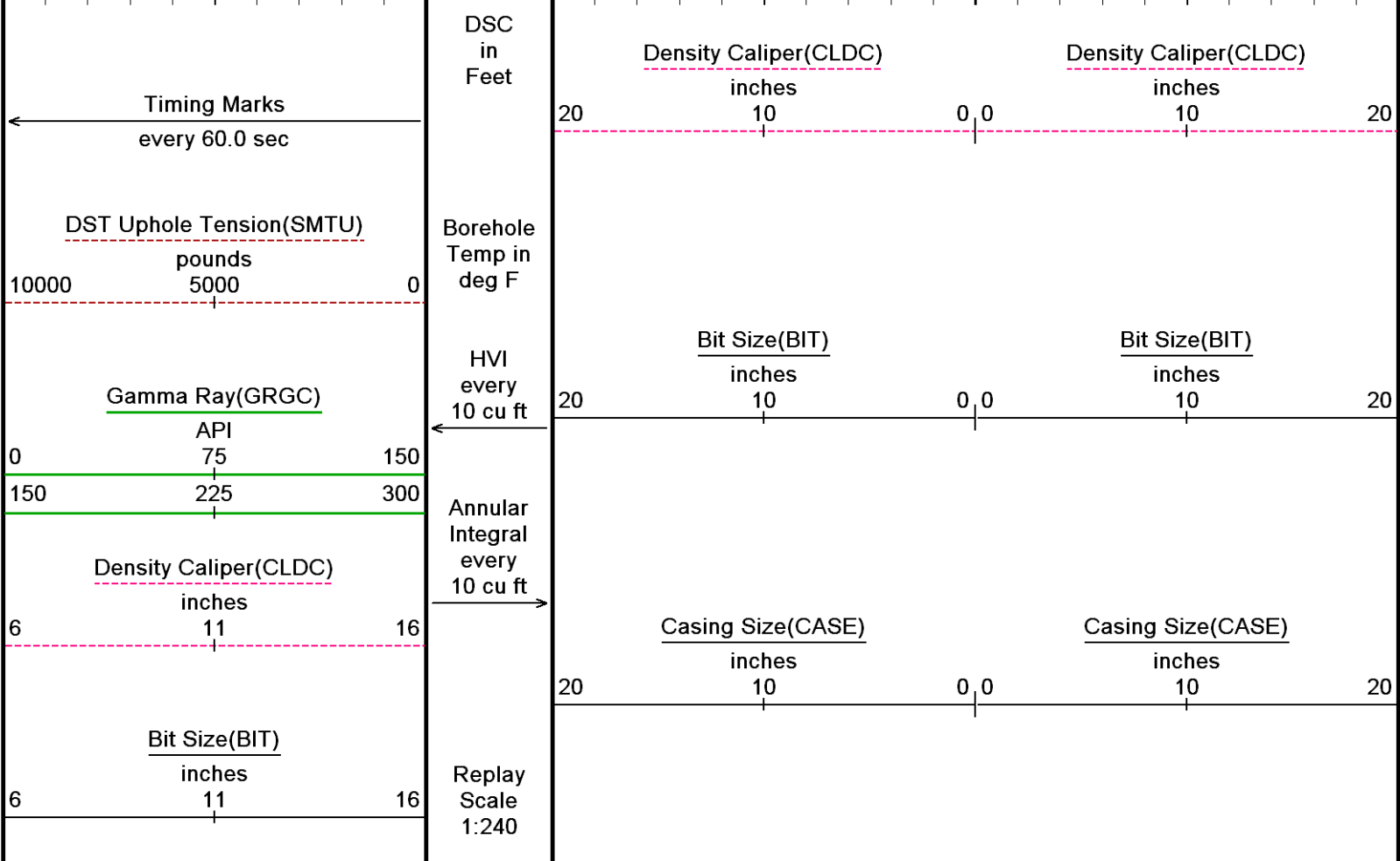
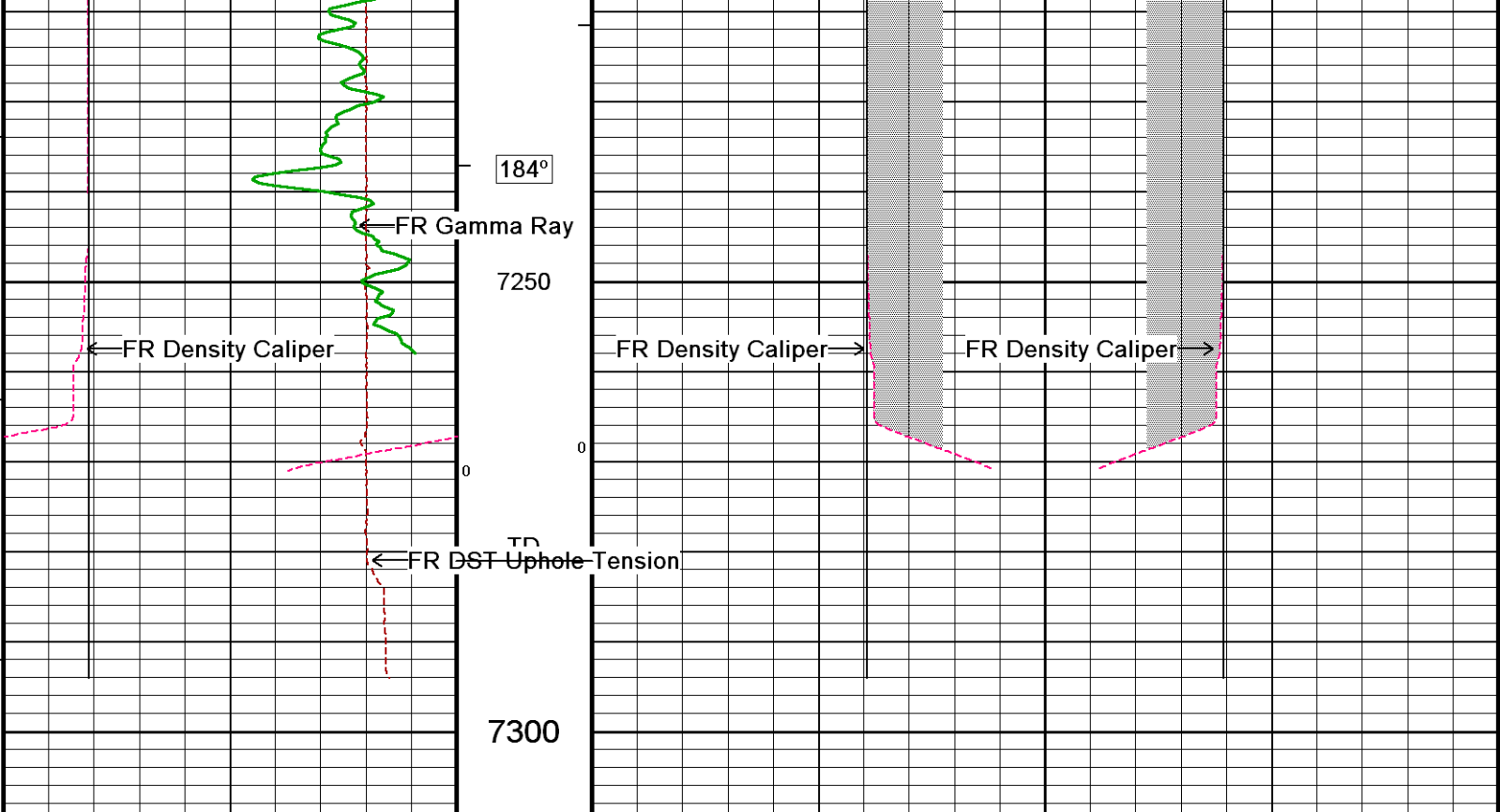












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5 INCH MAIN LOG

DOWNHOLE EQUIPMENT

MCB-A.A 11B Tension Cablehead  
 MCB-A.A 102 LG: 2.40 ft WT: 19.8 lb OD: 2.24 in

SHA-F Compact Swivel Head Adaptor  
 SHA-F 57 LG: 2.74 ft WT: 26.5 lb OD: 2.24 in

Compact Comms Gamma  
 MCG-C 145 LG: 8.70 ft WT: 63.9 lb OD: 2.24 in

Compact Neutron  
 MDN-B.A 191 LG: 5.04 ft WT: 50.7 lb OD: 2.24 in

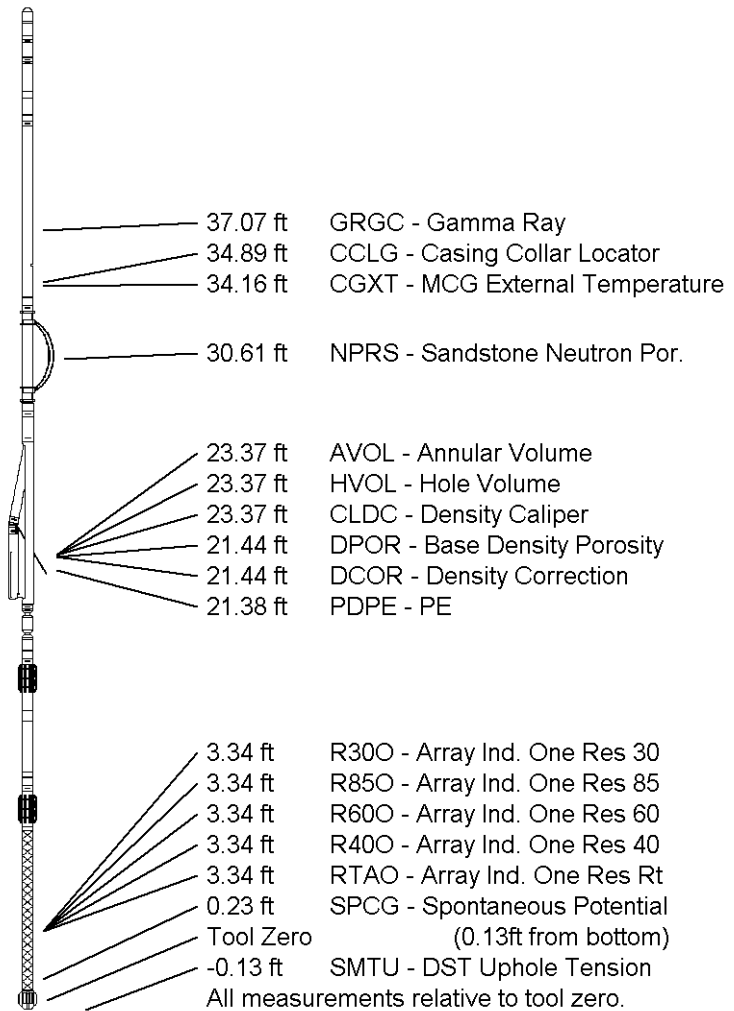
Compact Density/Caliper  
 MPD-C.A 215 LG: 9.59 ft WT: 90.4 lb OD: 2.45 in

SKJ-D.A Compact Knuckle Joint  
 SKJ-D.A 65 LG: 2.17 ft WT: 24.3 lb OD: 2.24 in

Compact Focussed Electric  
 MFE-B.A 220 LG: 6.05 ft WT: 48.5 lb OD: 2.24 in

Compact Induction  
 MAI-B.J 362 LG: 10.81 ft WT: 48.5 lb OD: 2.24 in

Total Length: 47.49 ft Weight: 372.6 lb



COMPANY	BILL BARRETT CORPORATION
WELL	GGU DALEY 24A-19-691
FIELD	MAMM CREEK
PROVINCE/COUNTY	GARFIELD
COUNTRY/STATE	U.S.A. / COLORADO

Elevation Kelly Bushing	5845.00	feet	First Reading	7258.00	
Elevation Drill Floor	5844.00	feet	Depth Driller	7279.00	feet
Elevation Ground Level	5823.00	feet	Depth Logger	7281.00	feet



HOLE VOLUME  
 CALIPER  
 LOG

