



Weatherford

CALIPER LOG

COMPANY				PETROSANTANDER (USA), INC.			
WELL				SCOTT #6-13			
FIELD				CHRISTABELLE			
PROVINCE/COUNTY				KEARNY			
COUNTRY/STATE				U.S.A. / KANSAS			
LOCATION				660' FNL & 330' FWL			
SEC 13	TWP 21S	RGE 35W	Other Services				
Latitude		15-093-21924			Elevations: KB 3106.00 DF 3104.00 GL 3094.00		
Longitude							
API Number							
Permanent Datum GL, Elevation 3094 feet							
Log Measured From KB							
Drilling Measured From KB @ 12 FEET							
Date	13-AUG-2014						
Run Number	ONE						
Service Order	7606-95087167						
Depth Driller	5010.00			feet			
Depth Logger	5012.00			feet			
First Reading							
Last Reading							
Casing Driller	521.00			feet			
Casing Logger	523.00			feet			
Bit Size	7.875			inches			
Hole Fluid Type	CHEMICAL						
Density / Viscosity	9.15 lb/USg		50.00 CP				
PH / Fluid Loss	9.50		10.00 ml/30Min				
Sample Source	MUDPIT						
Rm @ Measured Temp	0.71 @ 75.0		ohm-m				
Rmf @ Measured Temp	0.57 @ 75.0		ohm-m				
Rmc @ Measured Temp	0.85 @ 75.0		ohm-m				
Source Rmf / Rmc	CALC	CALC					
Rm @ BHT	0.47 @116.0		ohm-m				
Time Since Circulation	4 HOURS						
Max Recorded Temp	116.00		deg F				
Equipment / Base	13057	LIB					
Recorded By	BEN WELDIN						
Witnessed By	WES HANSEN						
JOB #	LB14-232						

BOREHOLE RECORD				Last Edited: 13-AUG-2014 01:21
Bit Size inches	Depth From feet		Depth To feet	
12.250	0.00		521.00	
7.875	521.00		5010.00	
CASING RECORD				
Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE	8.625	0.00	521.00	24.00

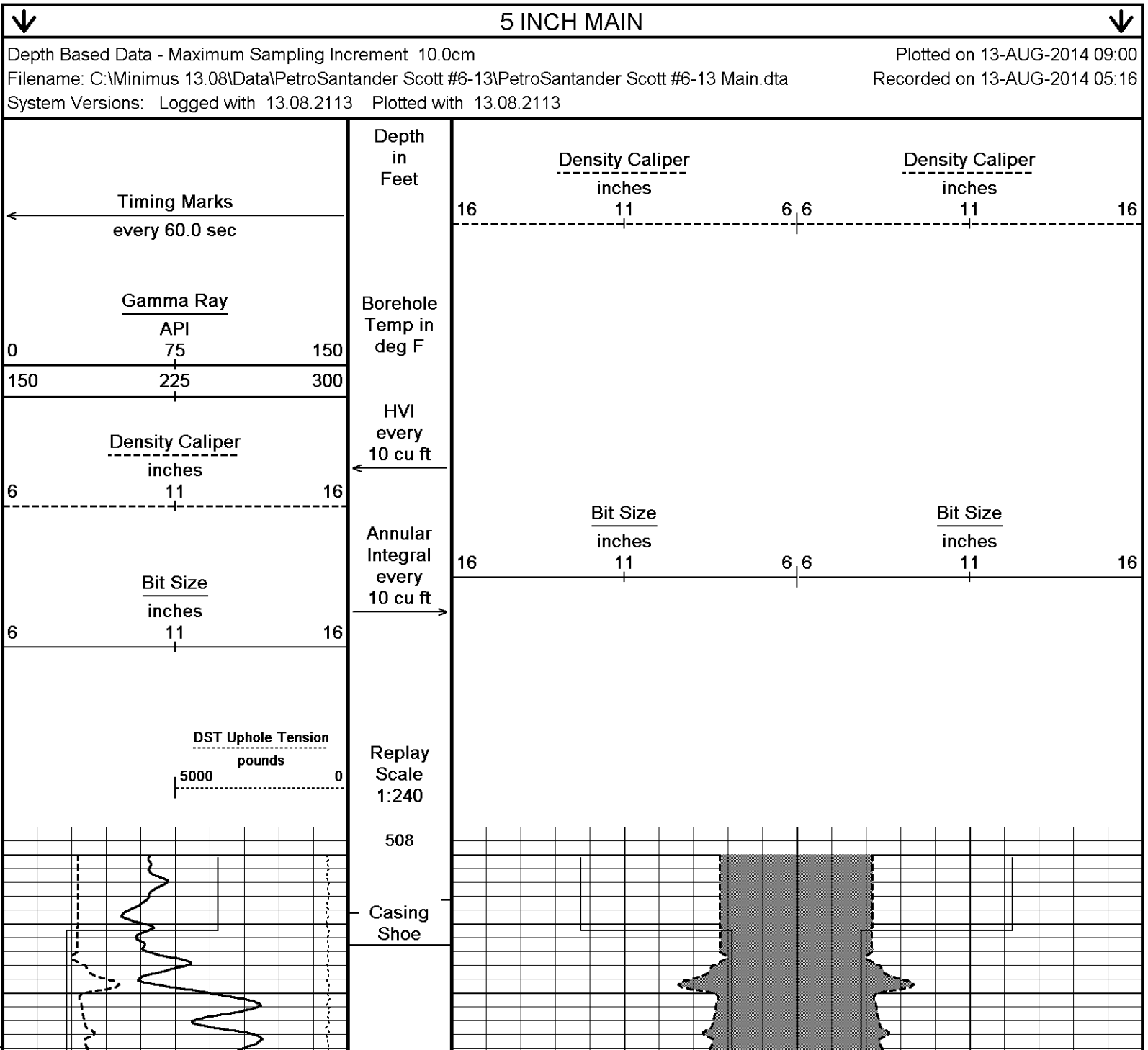
REMARKS
- SOFTWARE ISSUE: WLS 13.08.2113.
- RUN ONE: MCG, MML, MDN, MPD, MFE, MAI RUN IN COMBINATION. - HARDWARE: DUAL BOWSPRING USED ON MDN. 0.5 INCH STANDOFF USED ON MFE. 0.5 INCH STANDOFF USED ON MAI.
- 2.71 G/CC LIMESTONE DENSITY MATRIX USED TO CALCULATE POROSITY.
- BOREHOLE RUGOSITY, TIGHT PULLS, AND WASHOUTS WILL AFFECT DATA QUALITY.
- ALL INTERVALS LOGGED AND SCALED PER CUSTOMER'S REQUEST.
- TOTAL HOLE VOLUME FROM TD TO SURFACE CASING: 2170 CU.FT.
- ANNULAR HOLE VOLUME WITH 5.5 INCH PRODUCTION CASING FROM TD TO SURFACE CASING: 1430 CU.FT.

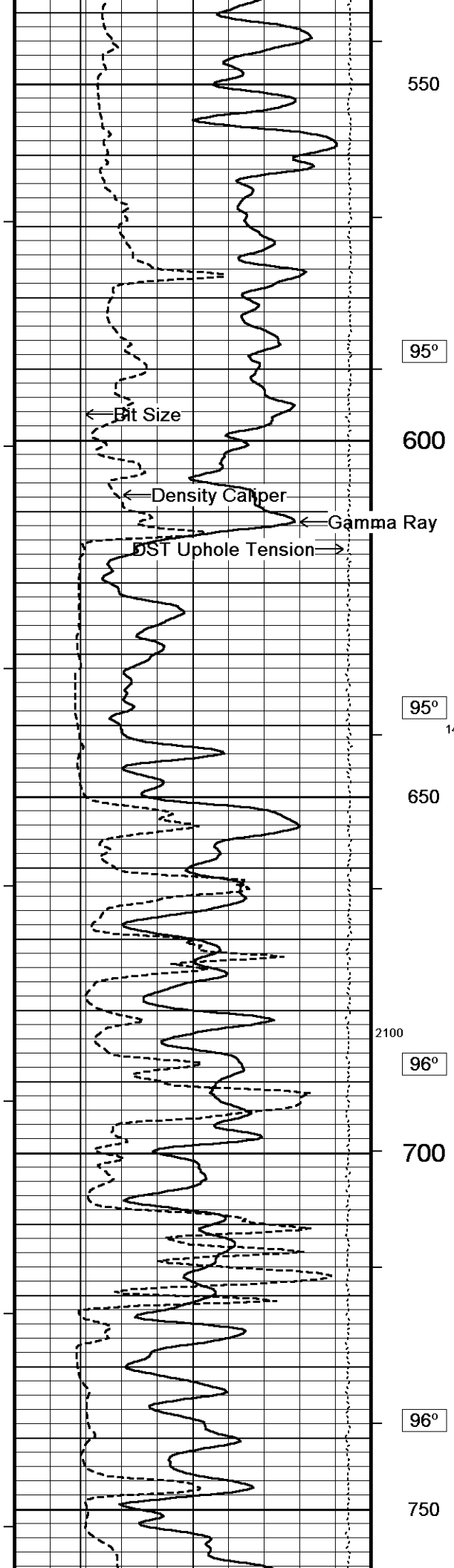
- RIG: VAL RIG #1

- ENGINEER: BEN WELDIN

- OPERATOR: KEN RINEHART

In interpreting, communicating or providing information and/or making recommendations, either written or oral, as to logs or test or other data, type or amount of material, or Work or other service to be furnished, or manner of performance, or in predicting results to be obtained, the Contractor will give the Company the benefit of the Contractor's best judgment based on its experience and will perform all such Work in a good and workmanlike manner. Any interpretation of test or other data, and any recommendation or reservoir description based upon such interpretations, are opinions based upon inferences from measurements and empirical relationships and assumptions, which inferences and assumptions are not infallible, and with respect to which professional engineers and analysts may differ. ACCORDINGLY ANY INTERPRETATION OR RECOMMENDATION RESULTING FROM THE SERVICES WILL BE AT THE SOLE RISK OF THE COMPANY, AND THE CONTRACTOR CANNOT AND DOES NOT WARRANT THE ACCURACY, CORRECTNESS OR COMPLETENESS OF ANY SUCH INTERPRETATION OR RECOMMENDATION, WHICH INTERPRETATIONS AND RECOMMENDATIONS SHOULD NOT, THEREFORE, UNDER ANY CIRCUMSTANCES BE RELIED UPON AS THE SOLE OR MAIN BASIS FOR ANY DRILLING, COMPLETION, WELL TREATMENT, PRODUCTION OR FINANCIAL DECISION, OR ANY PROCEDURE INVOLVING ANY RISK TO THE SAFETY OF ANY DRILLING ACTIVITY, DRILLING RIG OR ITS CREW OR ANY OTHER INDIVIDUAL. THE COMPANY HAS FULL RESPONSIBILITY FOR ALL DECISIONS CONCERNING THE SERVICES.





550

95°

600

95°

650

2100

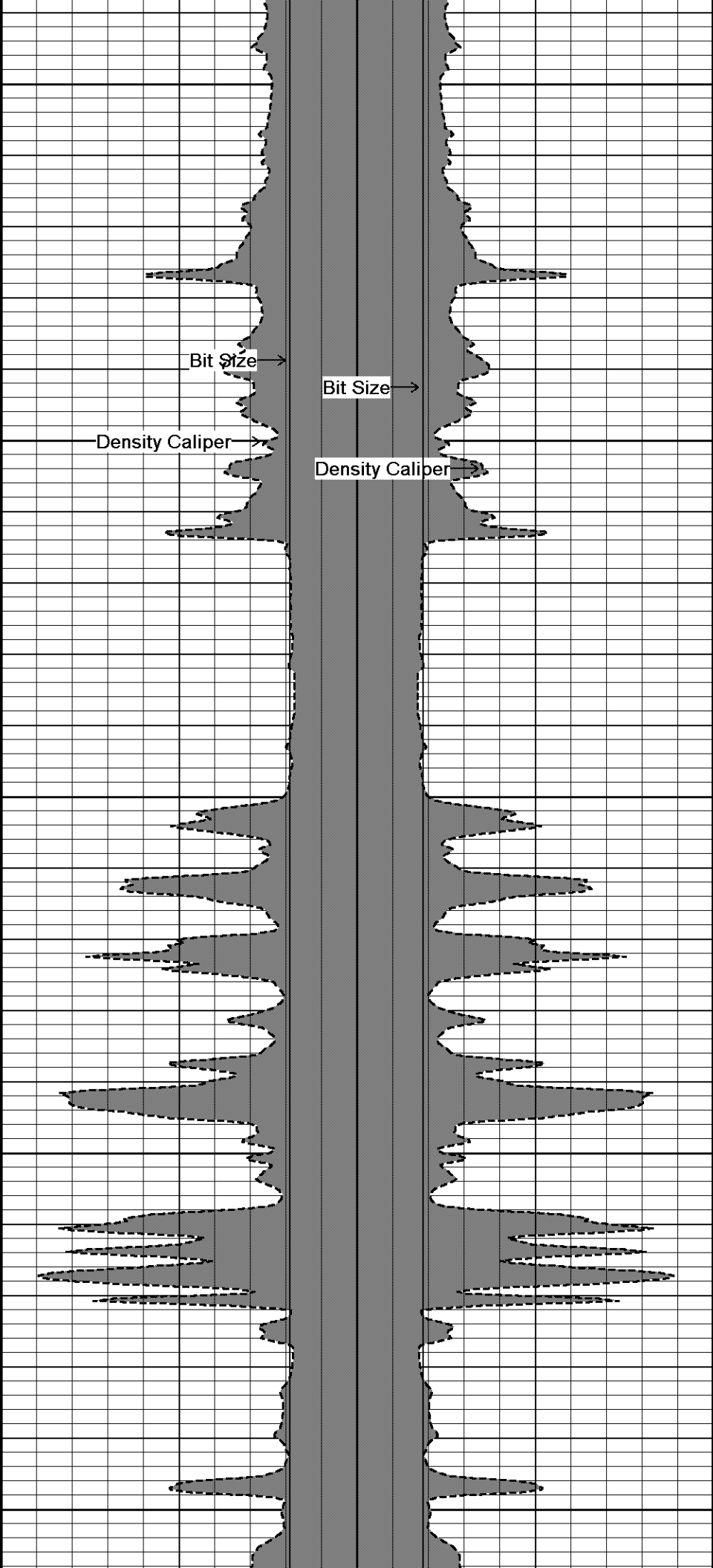
96°

700

96°

750

1400

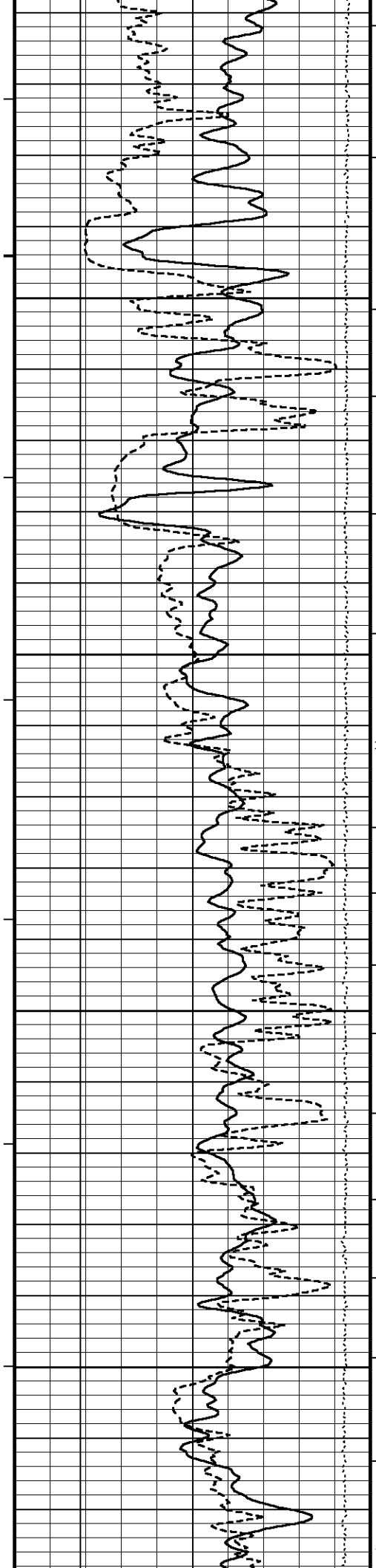


Bit Size

Density Caliper

Bit Size

Density Caliper



96°

800

97°

850

2000

1300

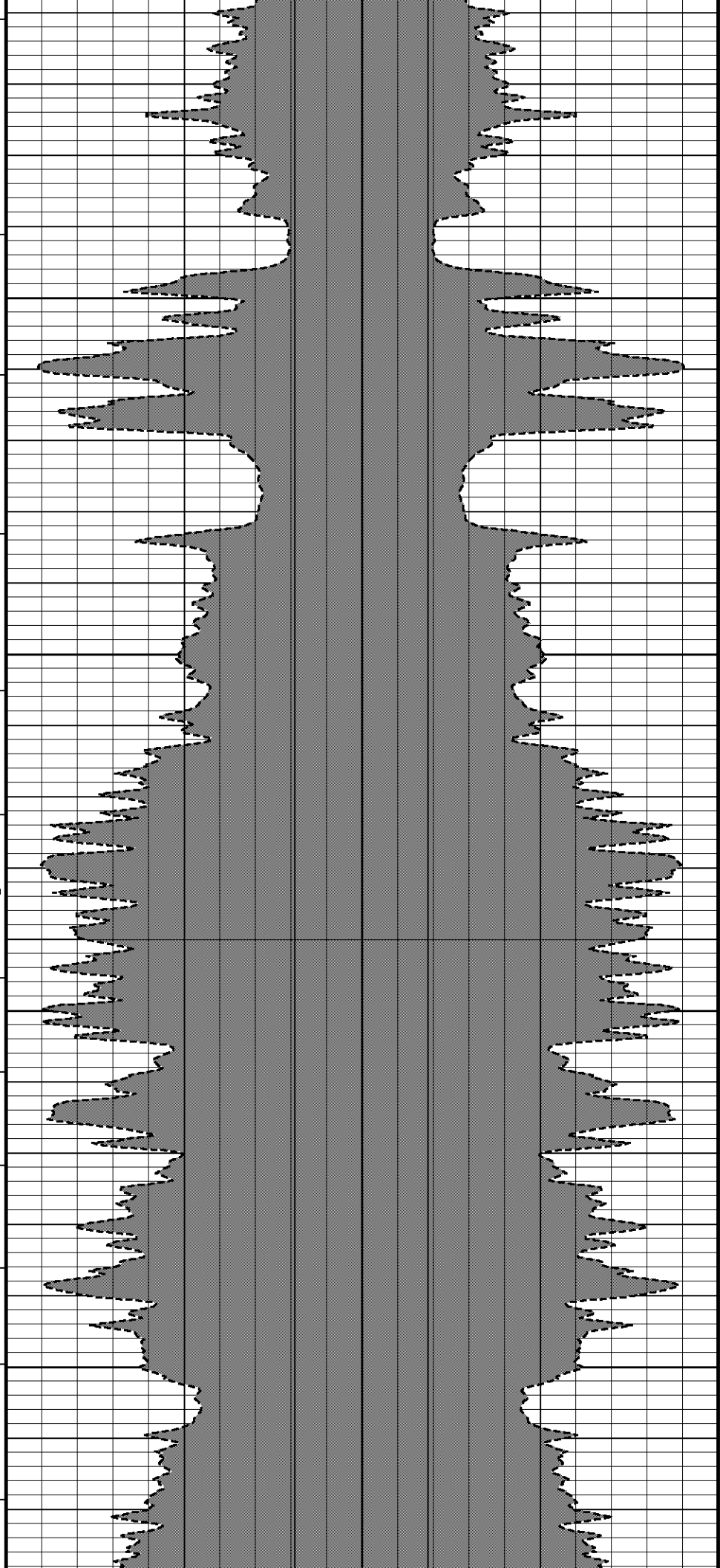
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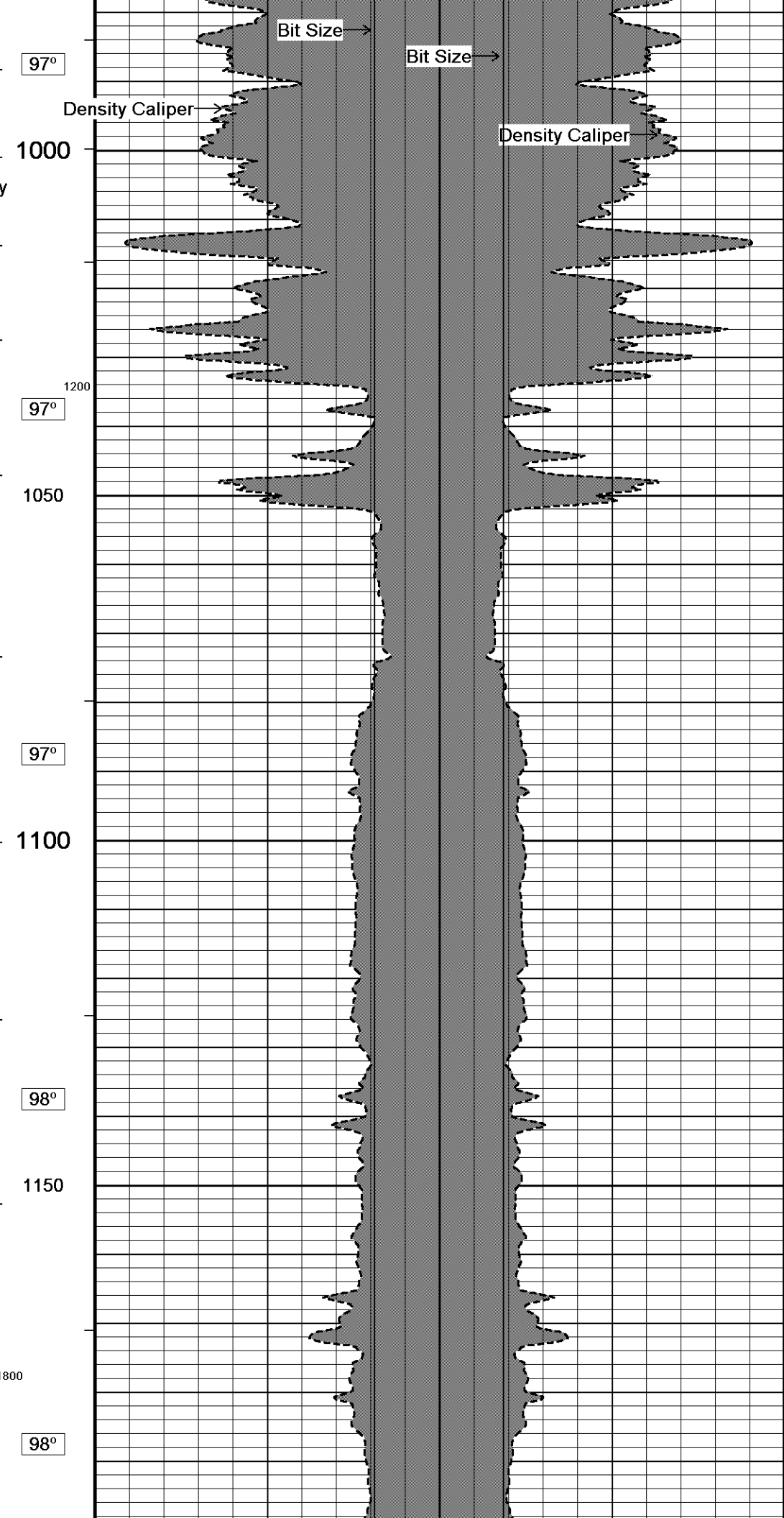
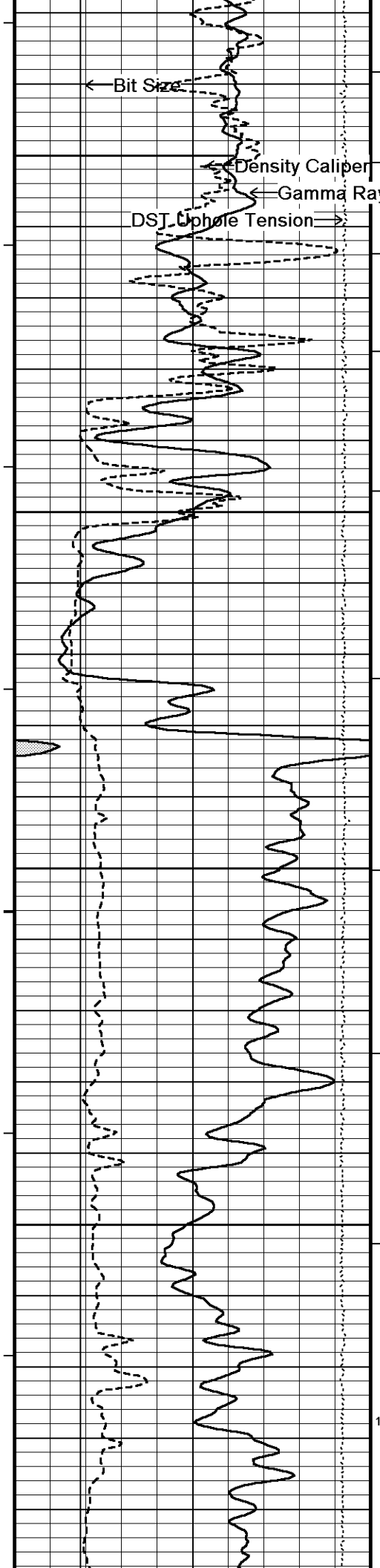
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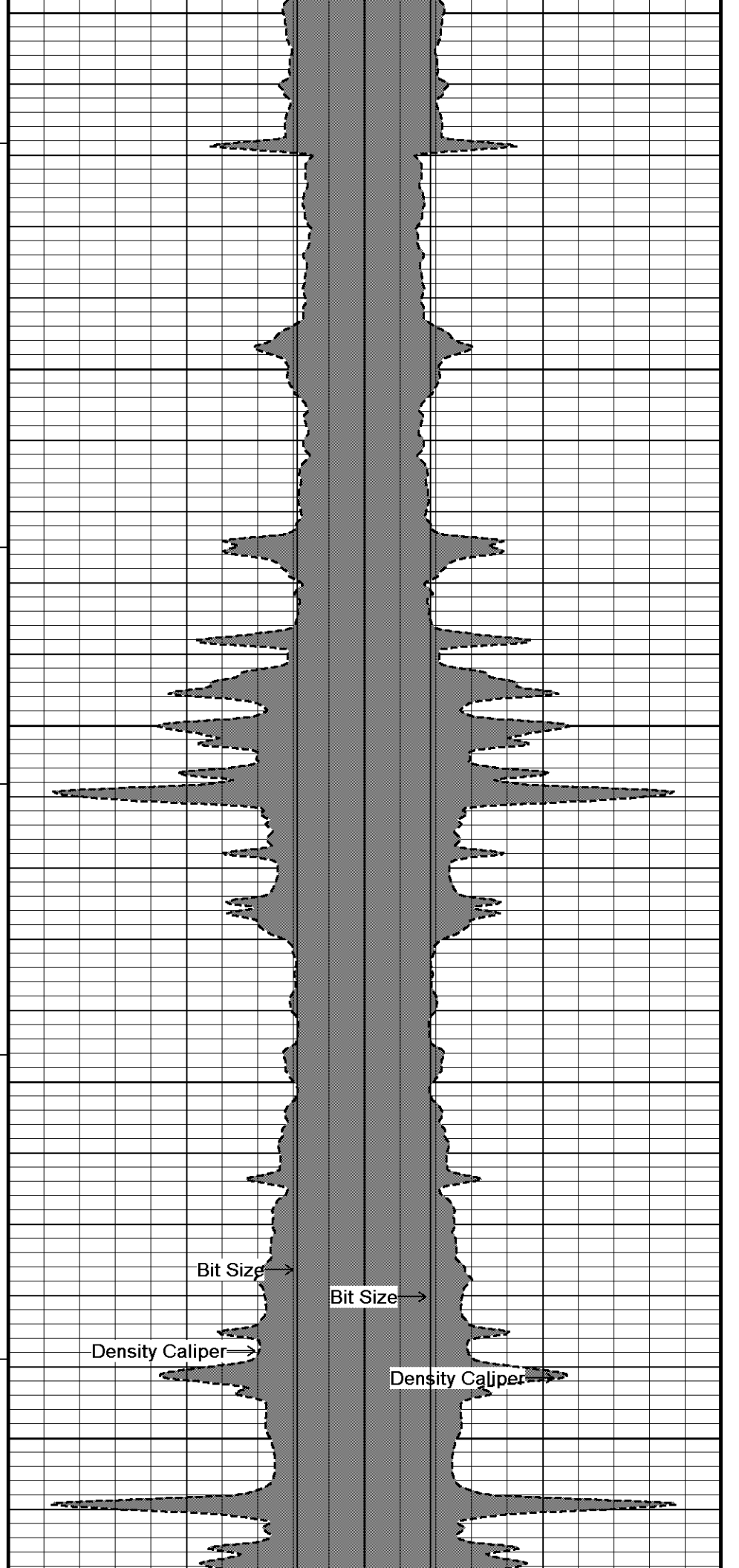
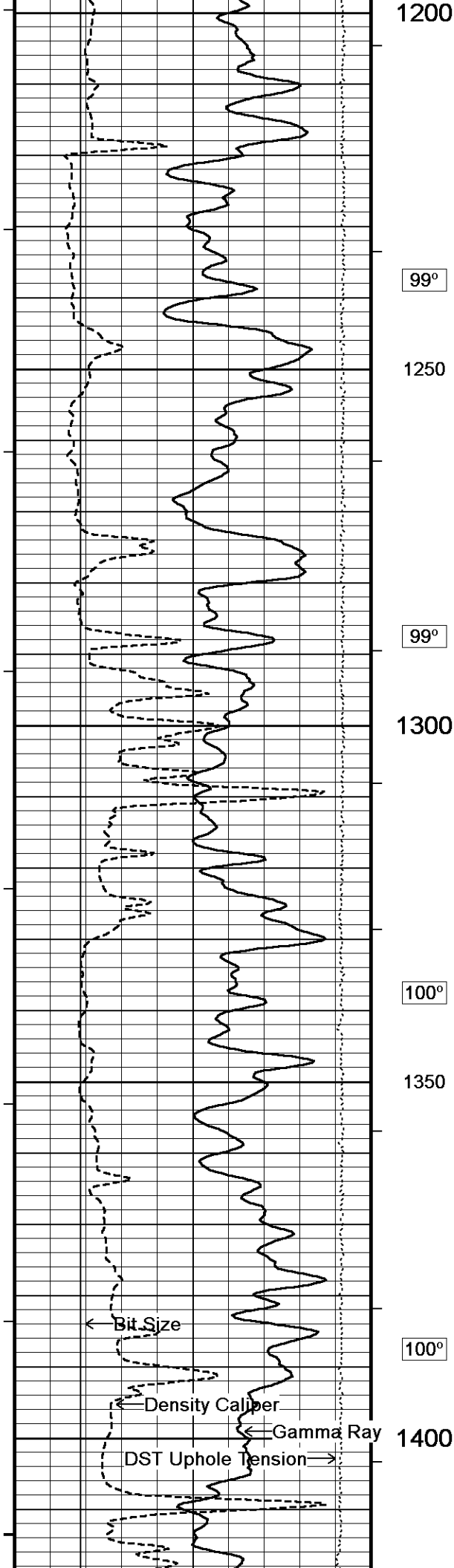
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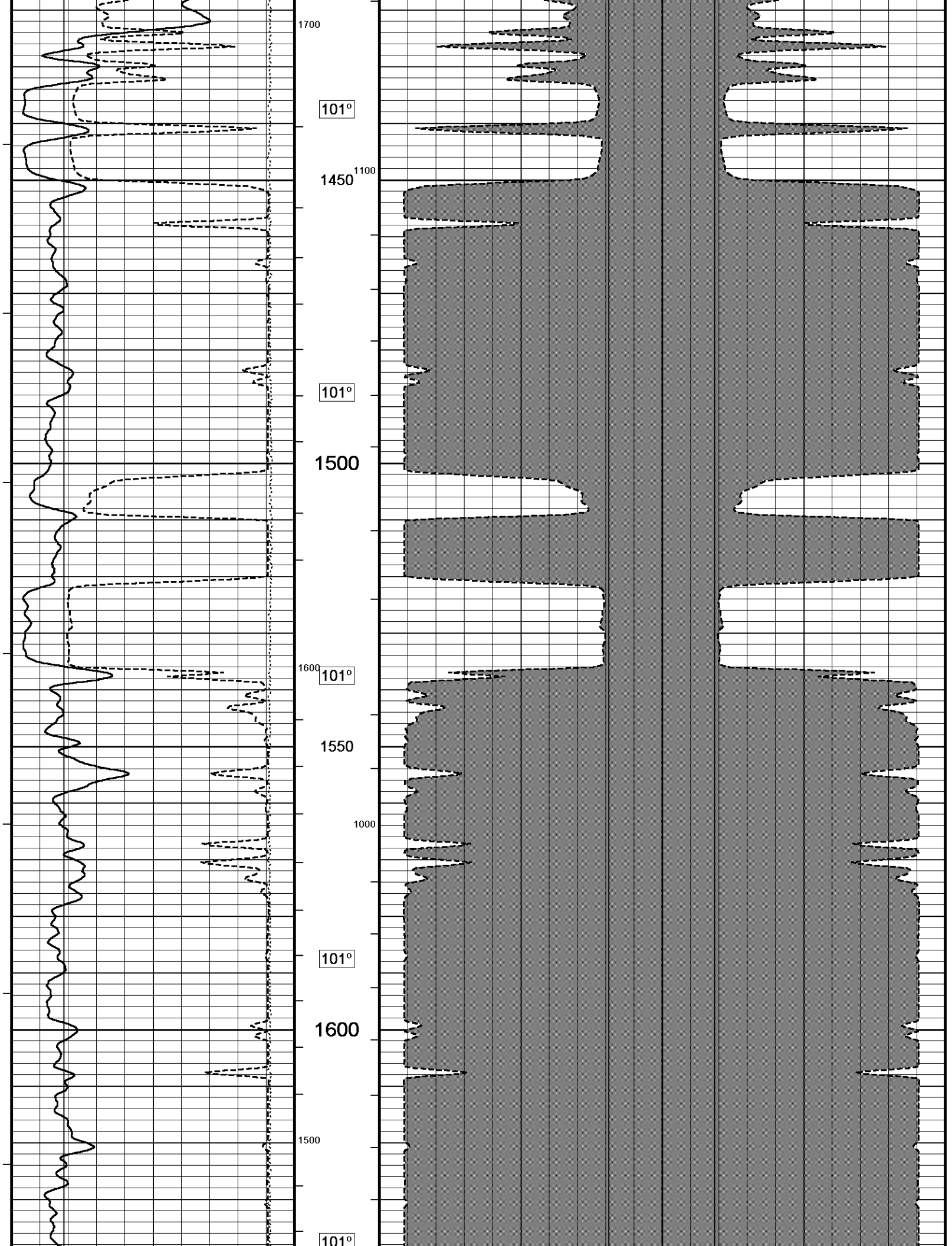
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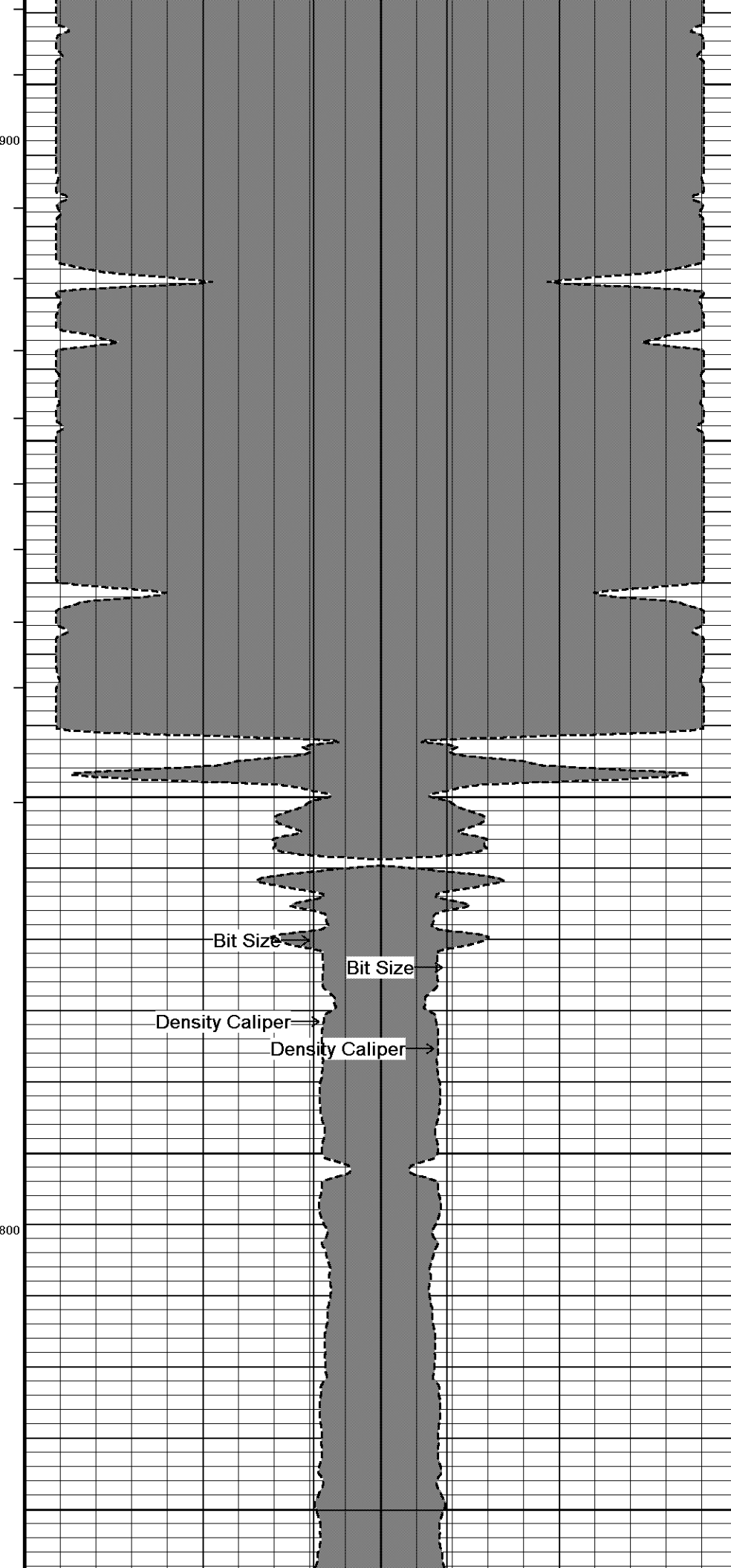
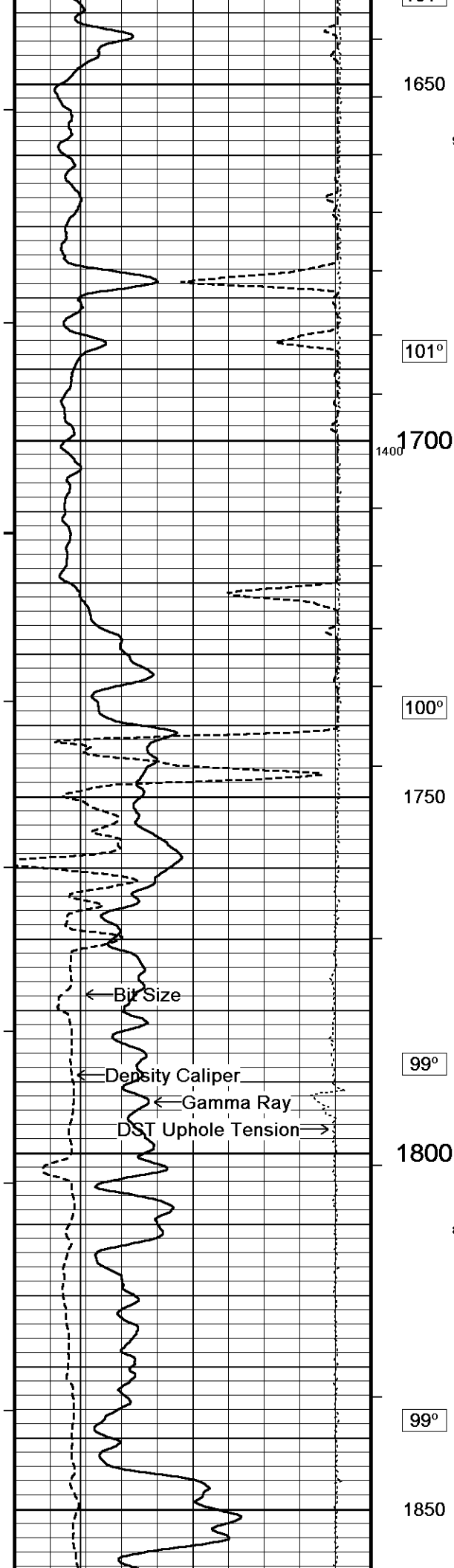
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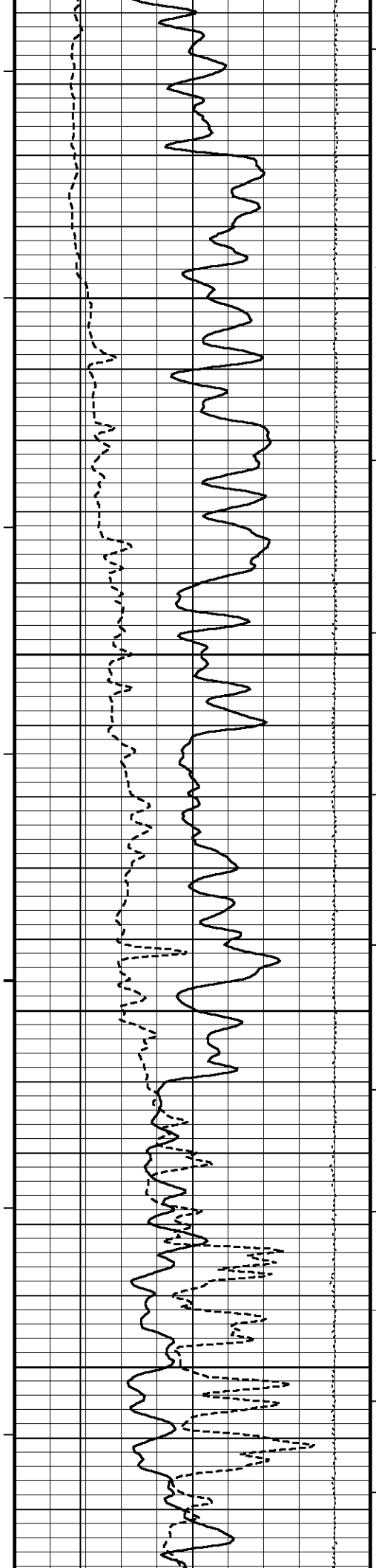












99°

1300

1900

100°

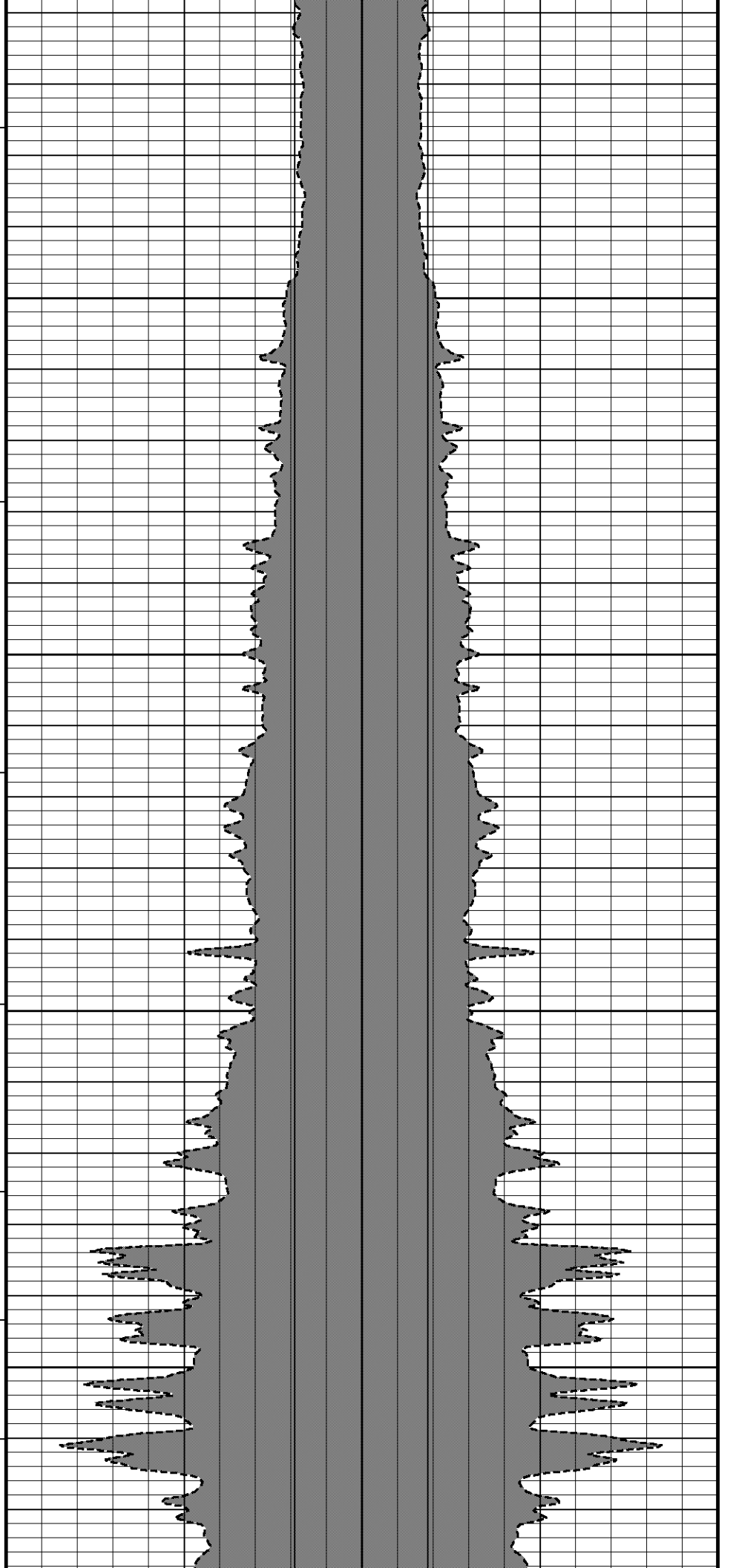
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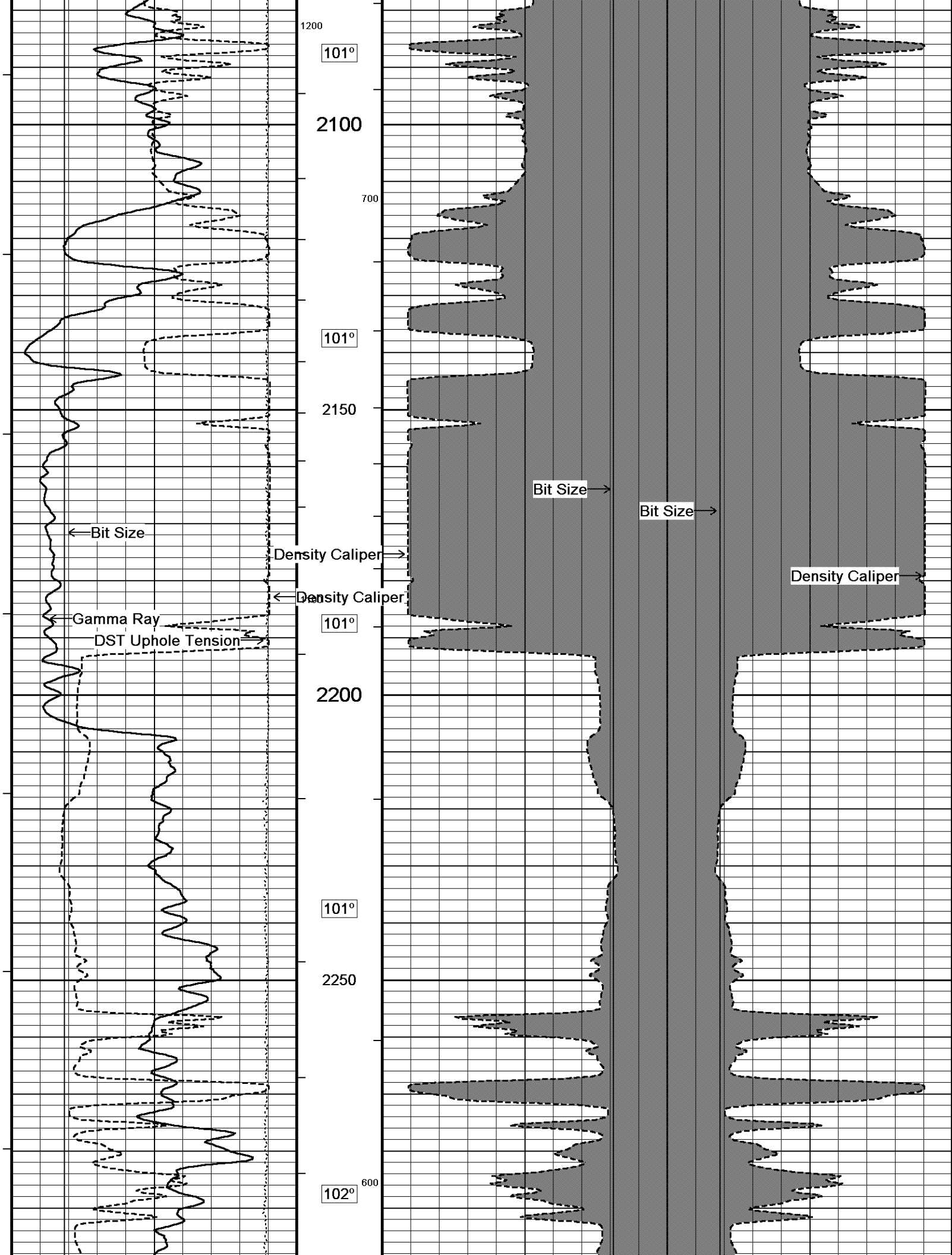
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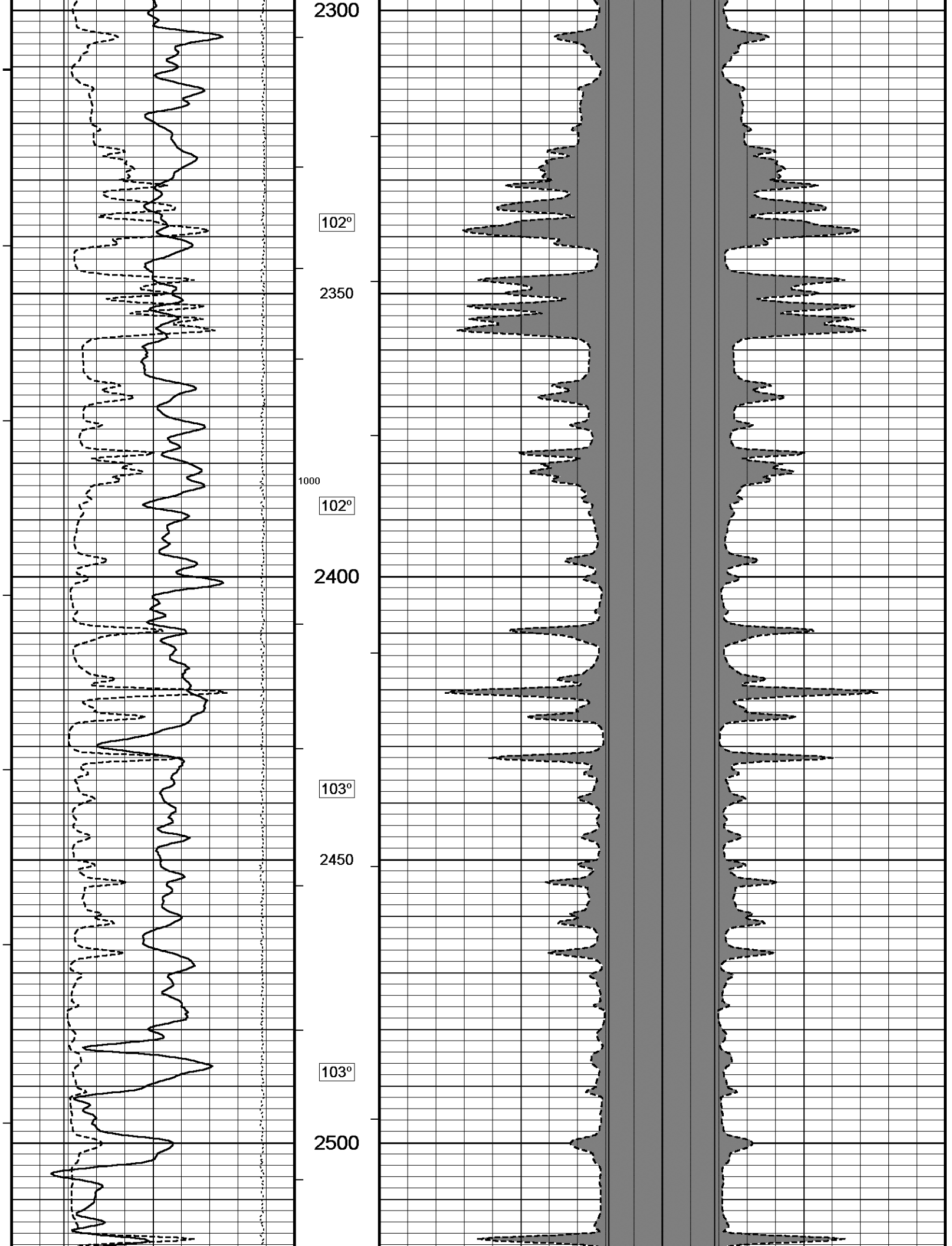
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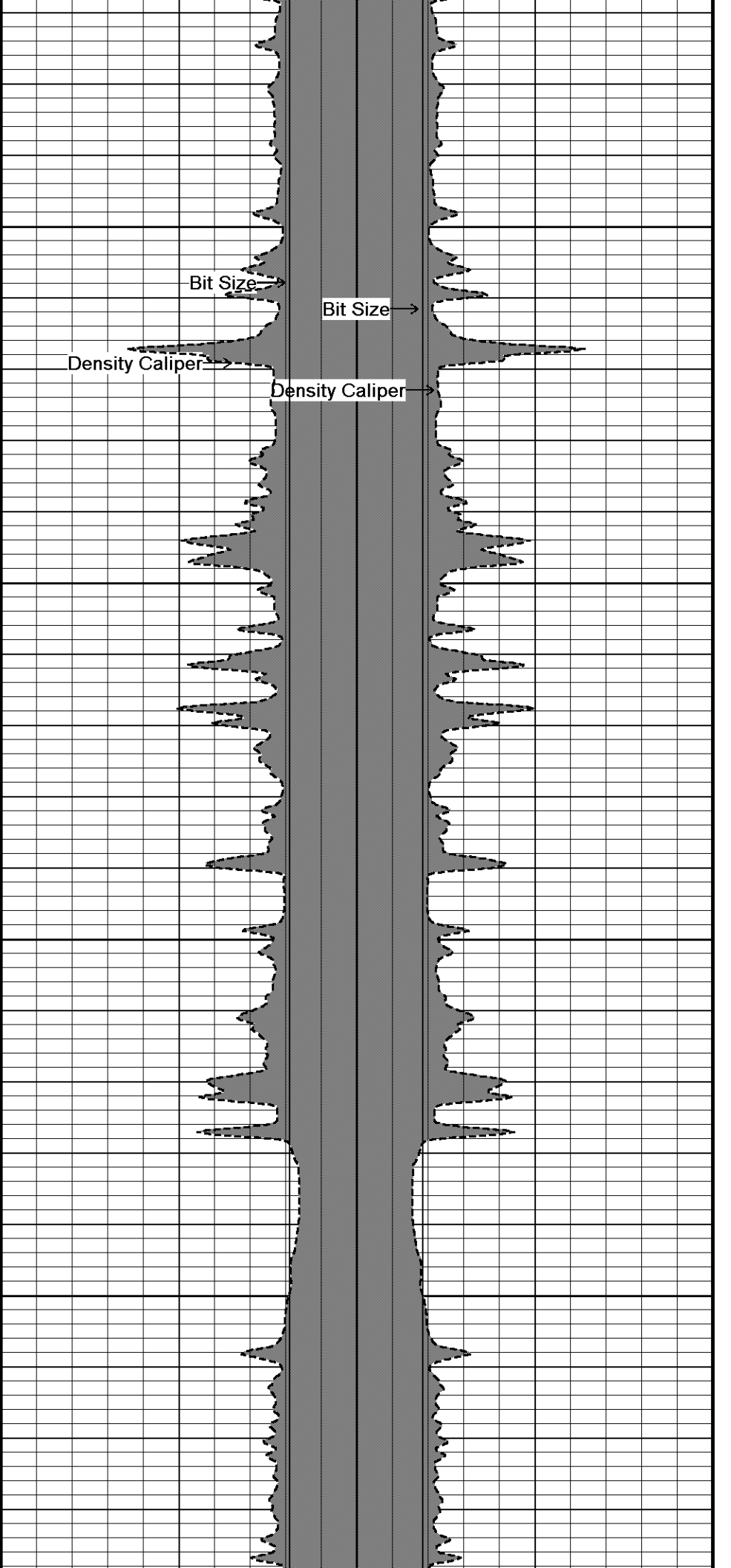
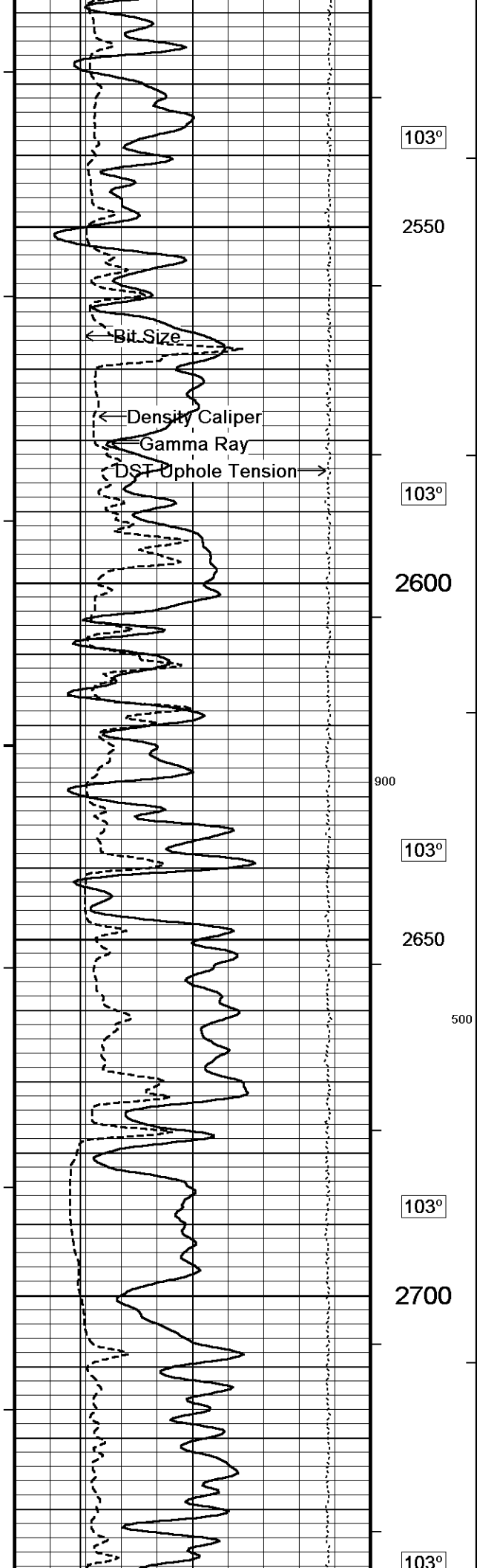
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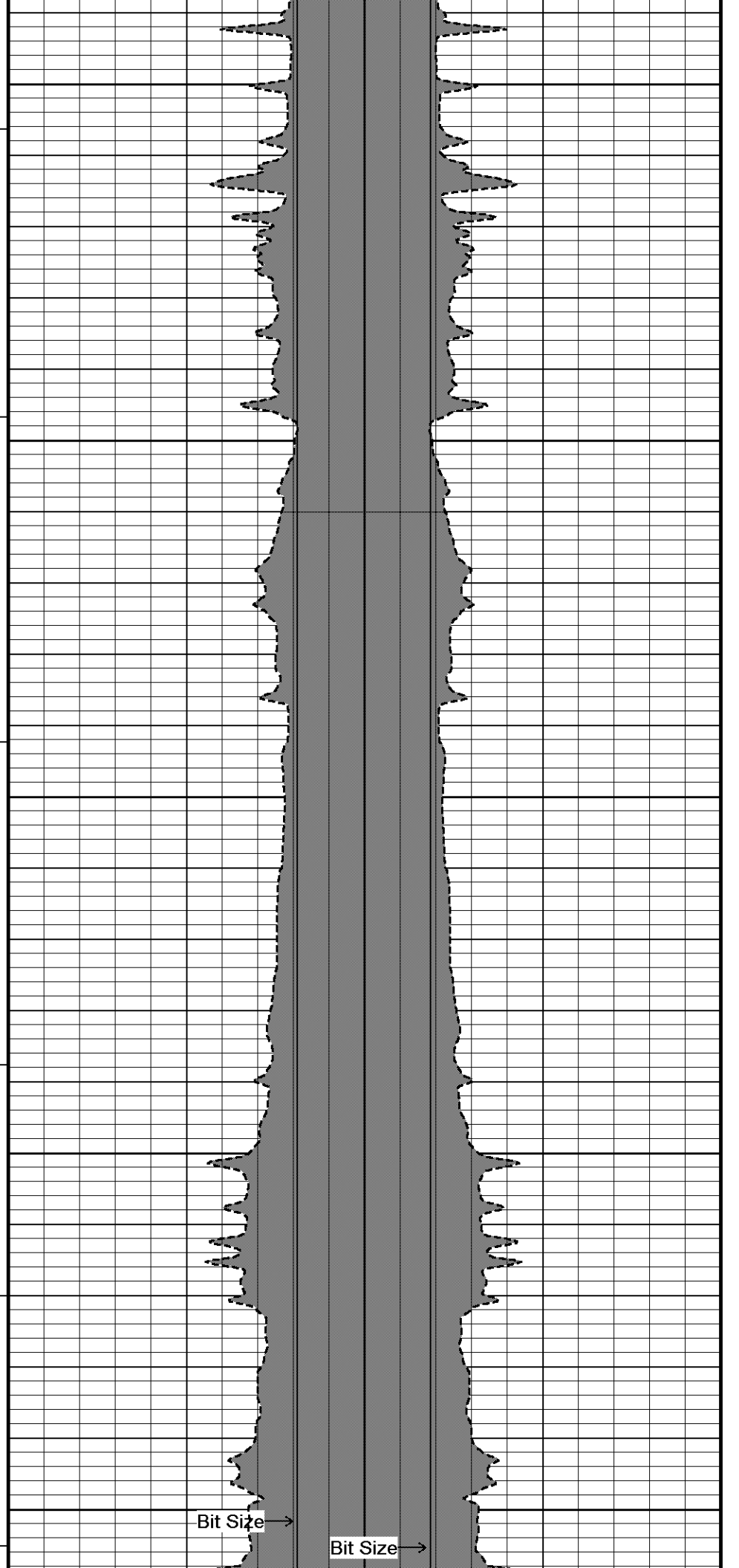
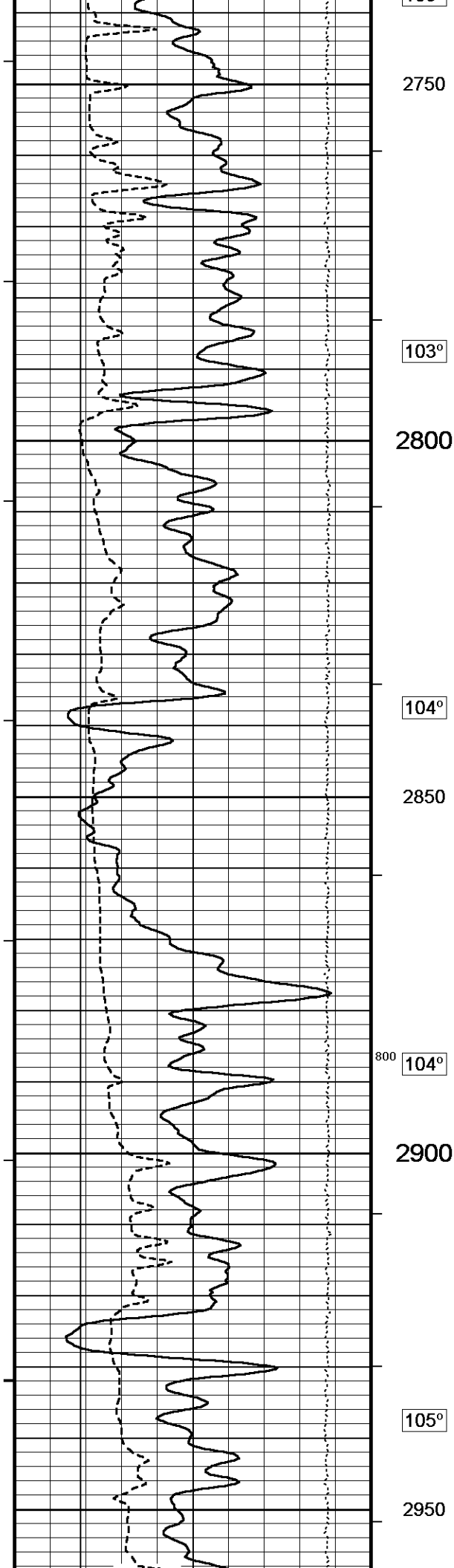
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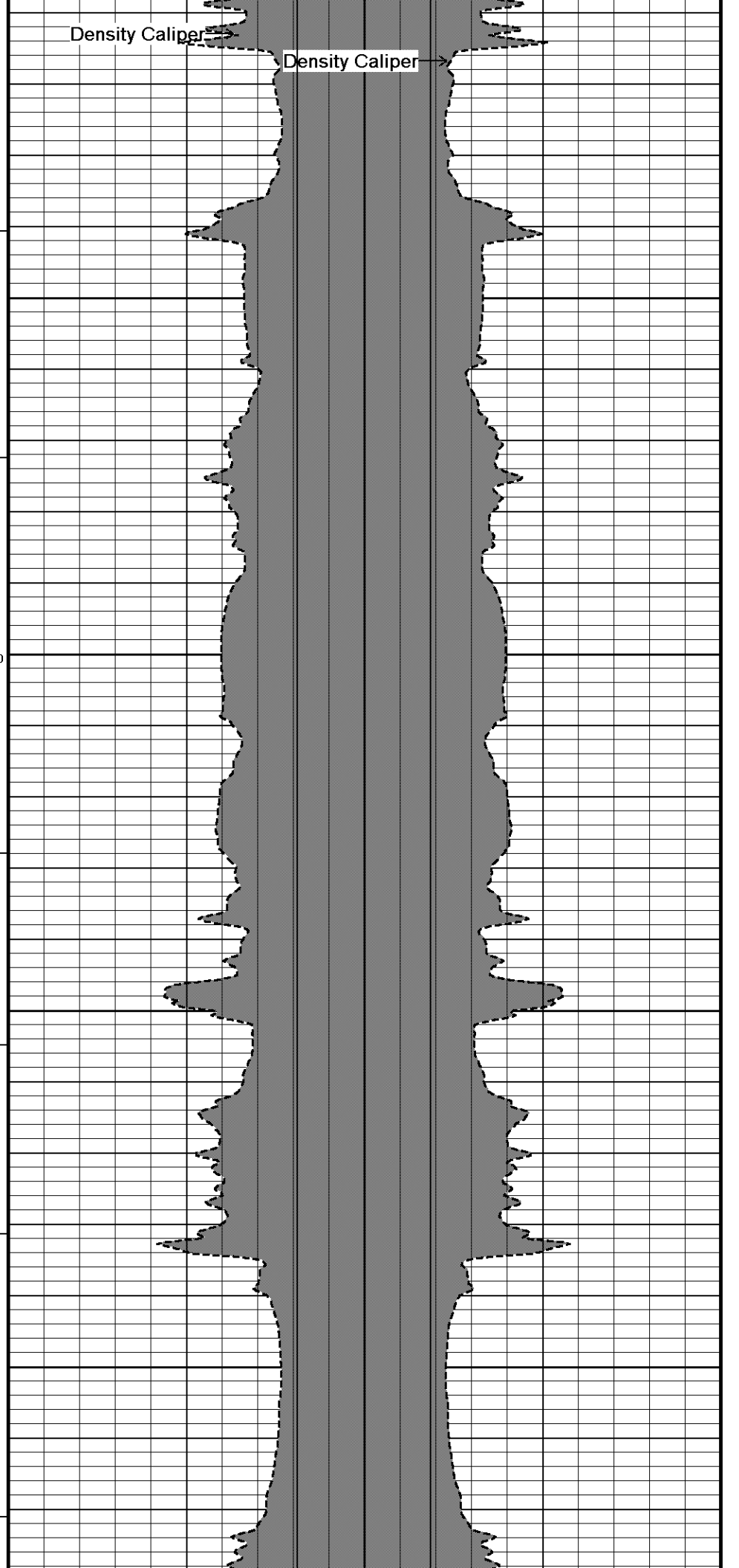
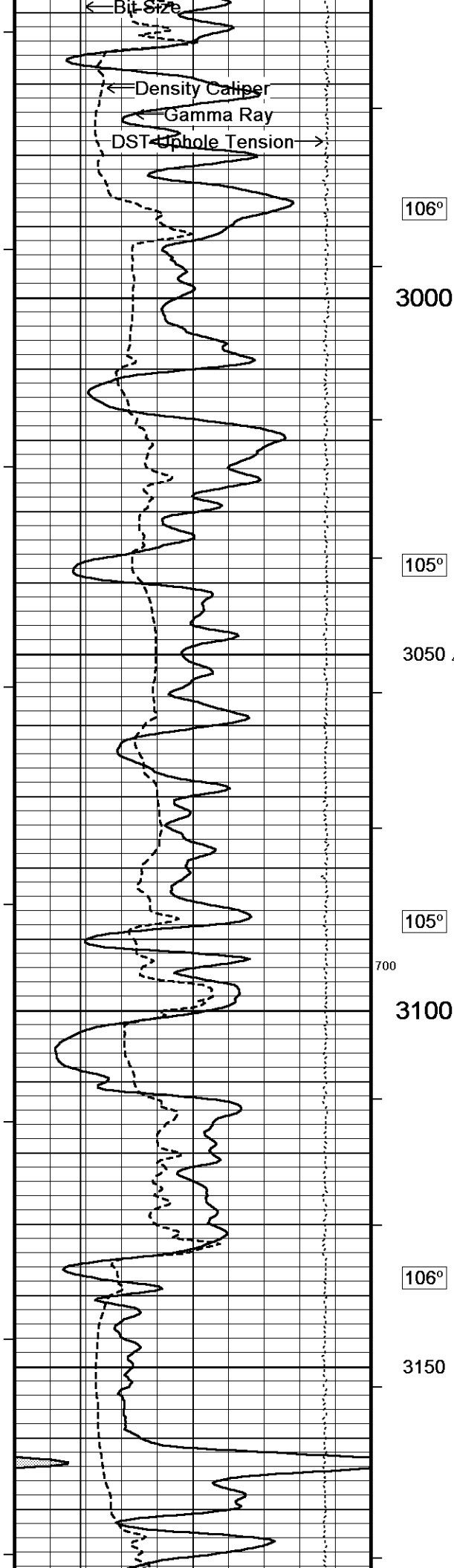


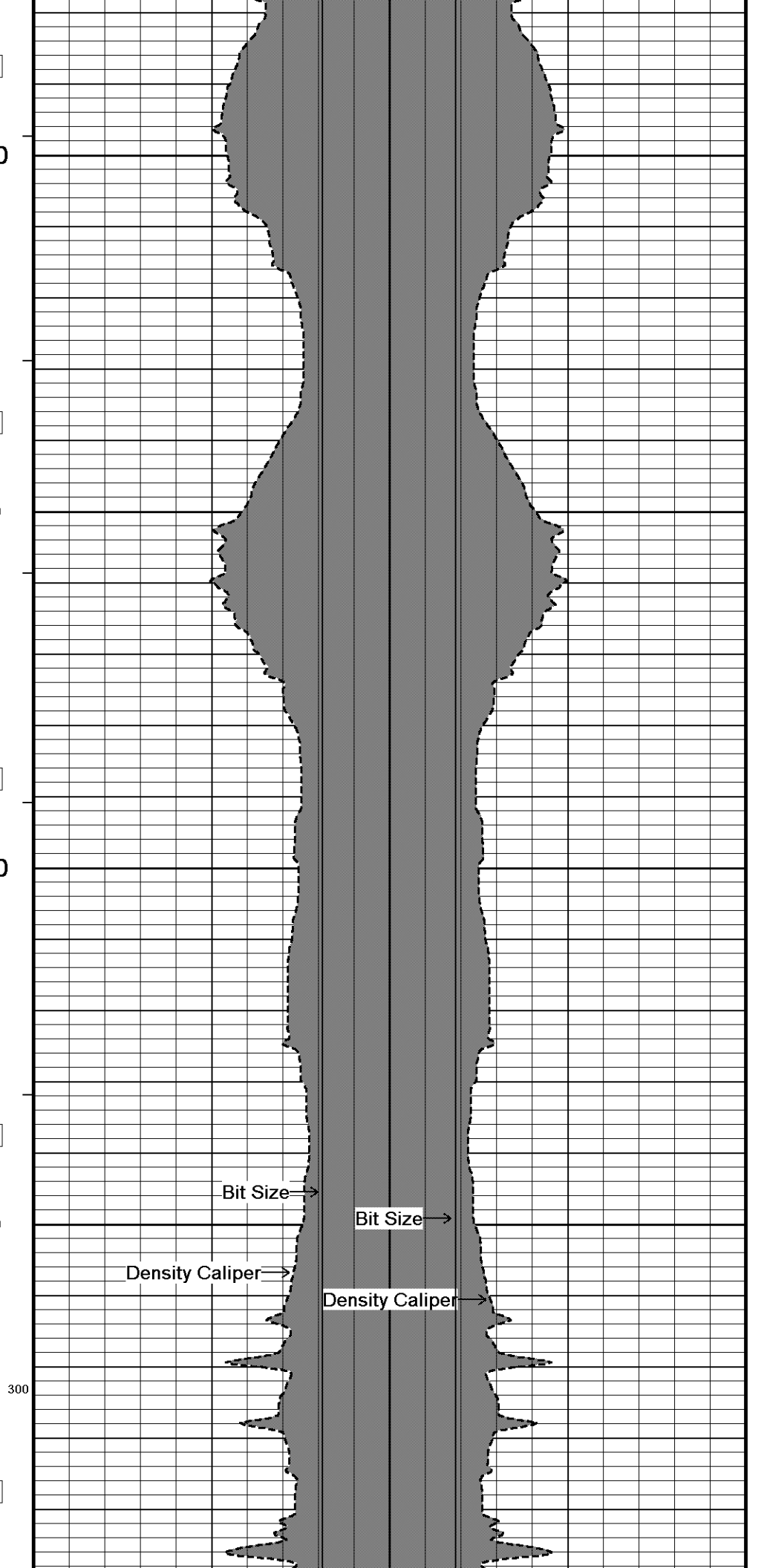
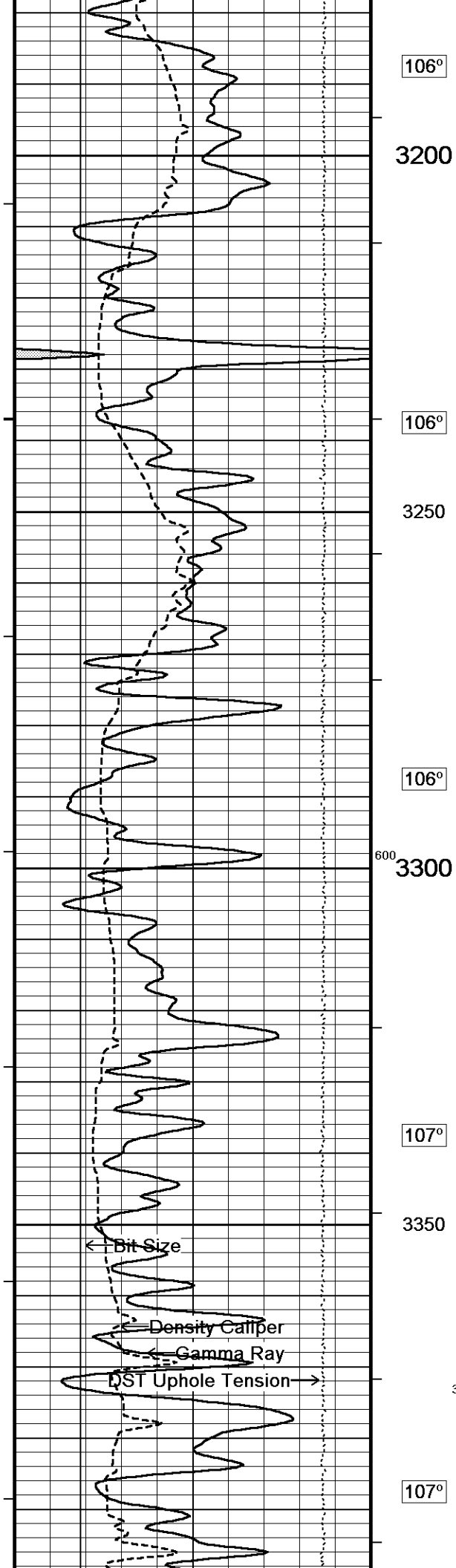


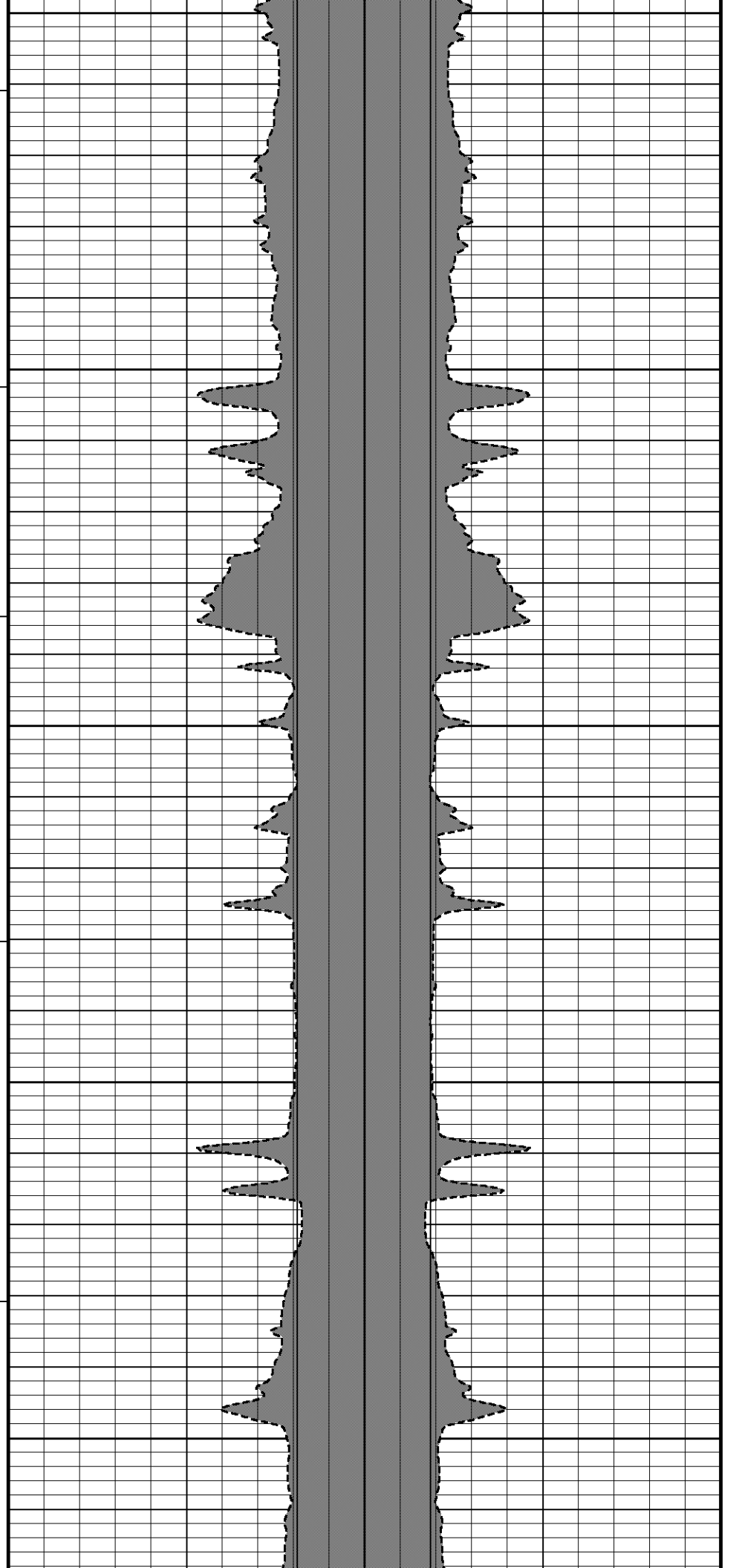
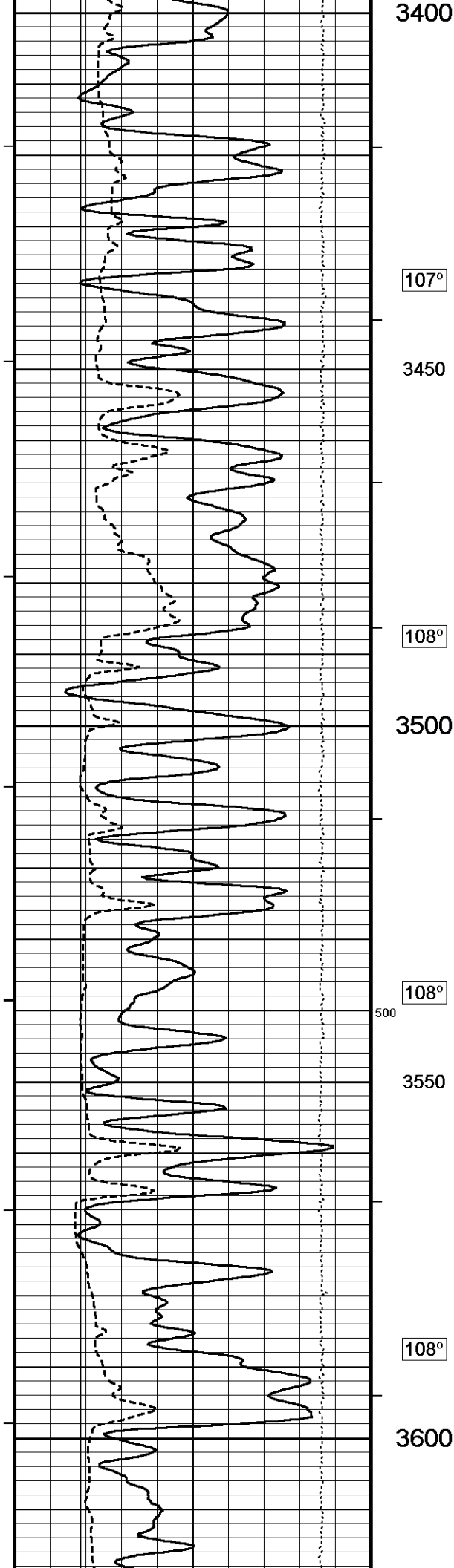


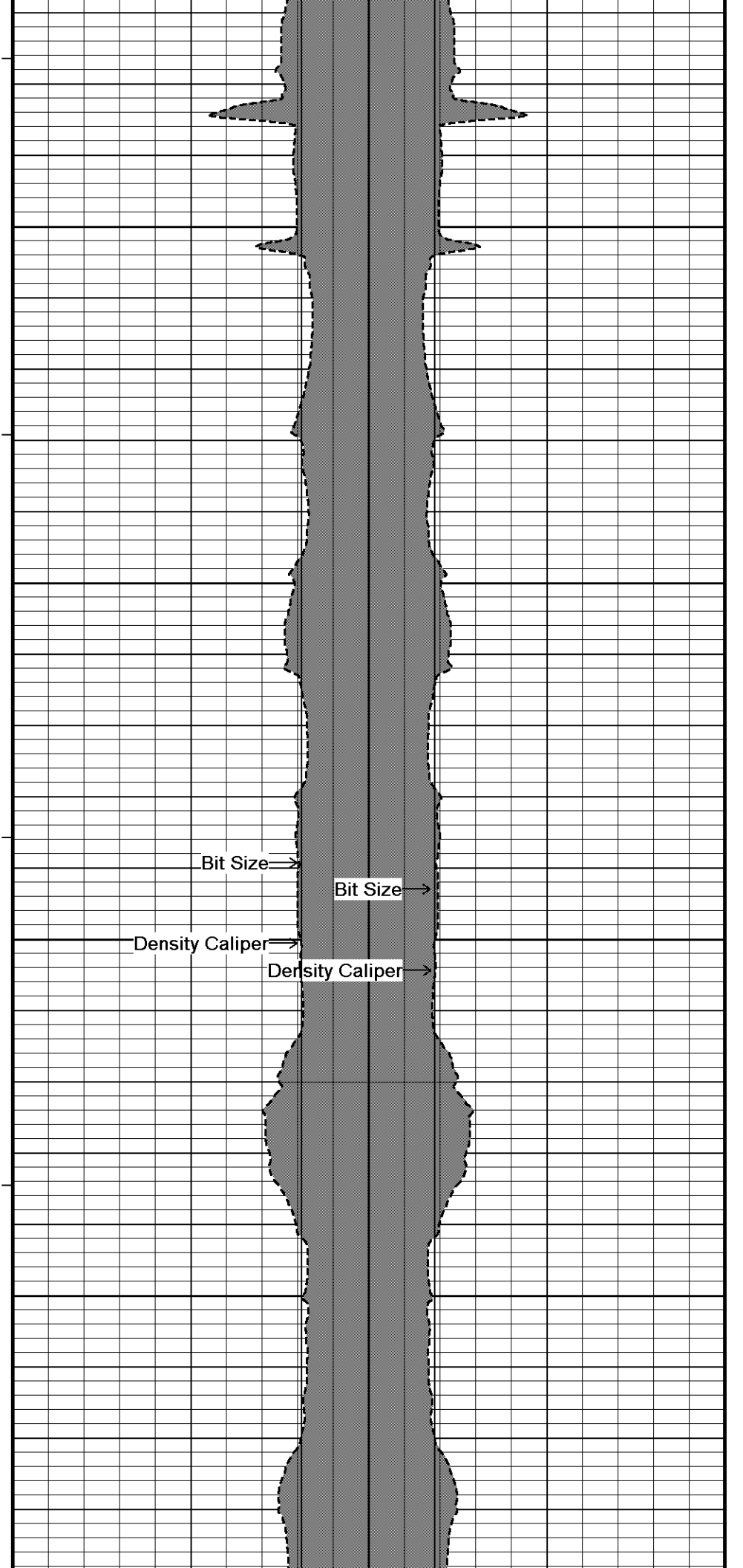
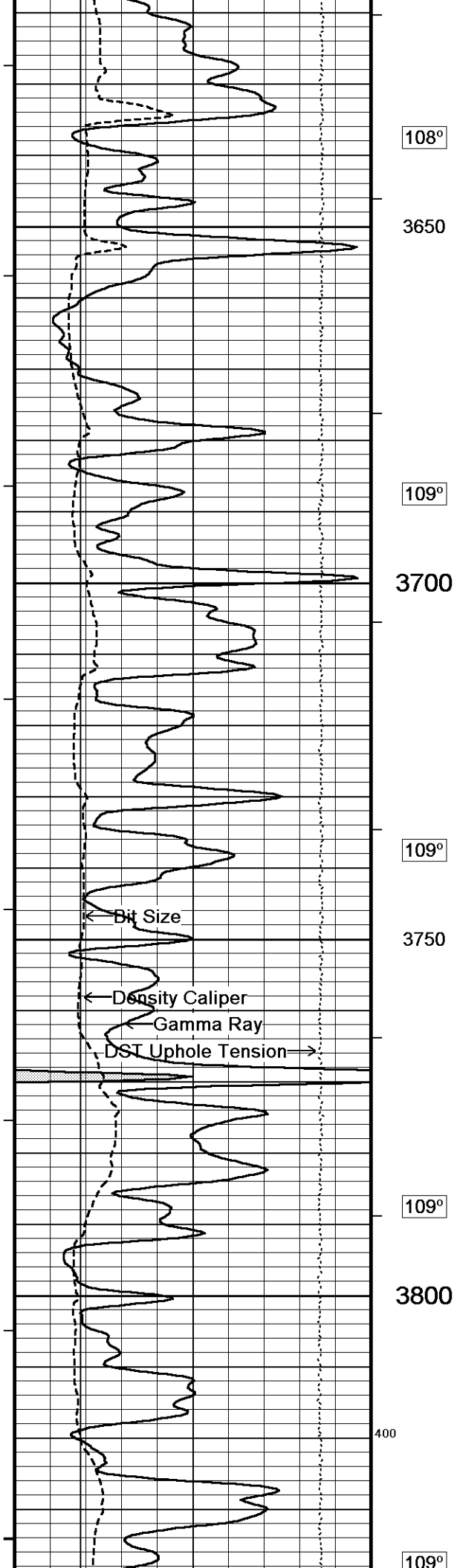


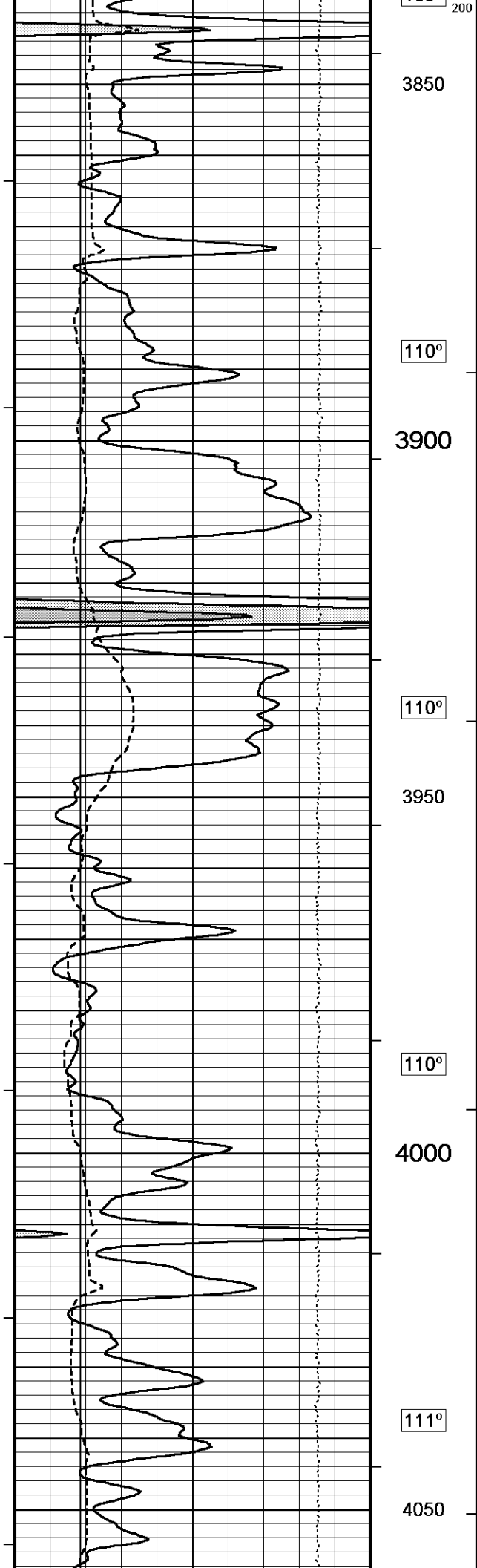












200

3850

110°

3900

110°

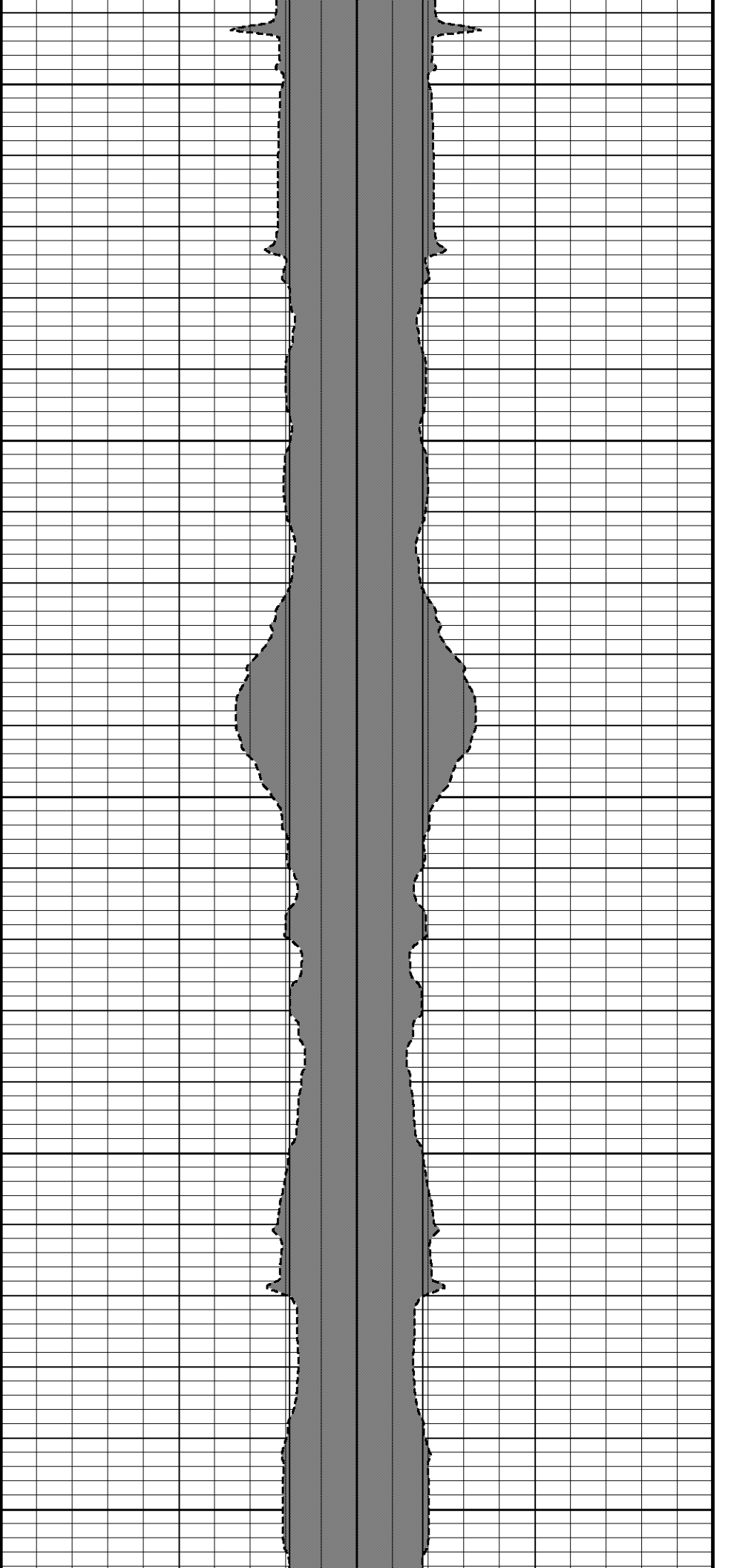
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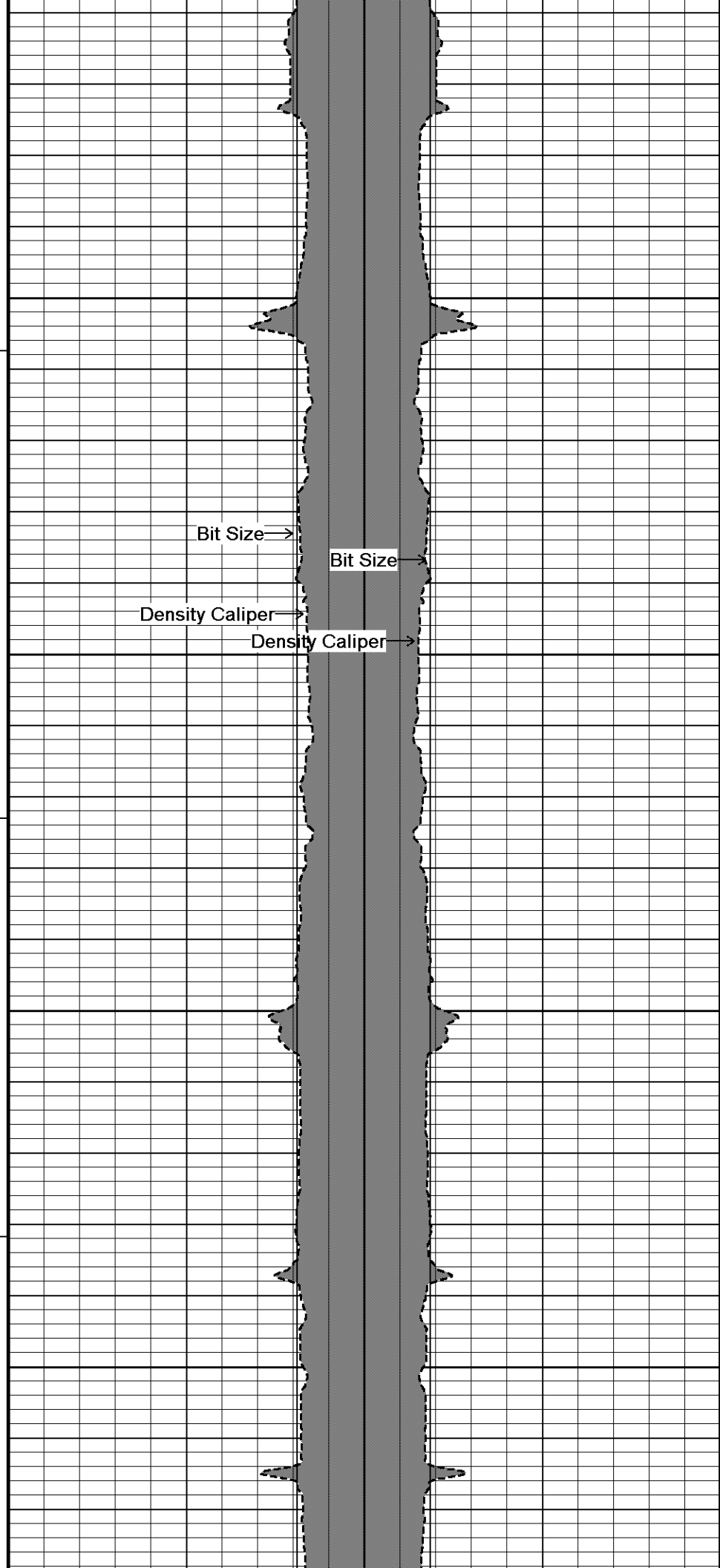
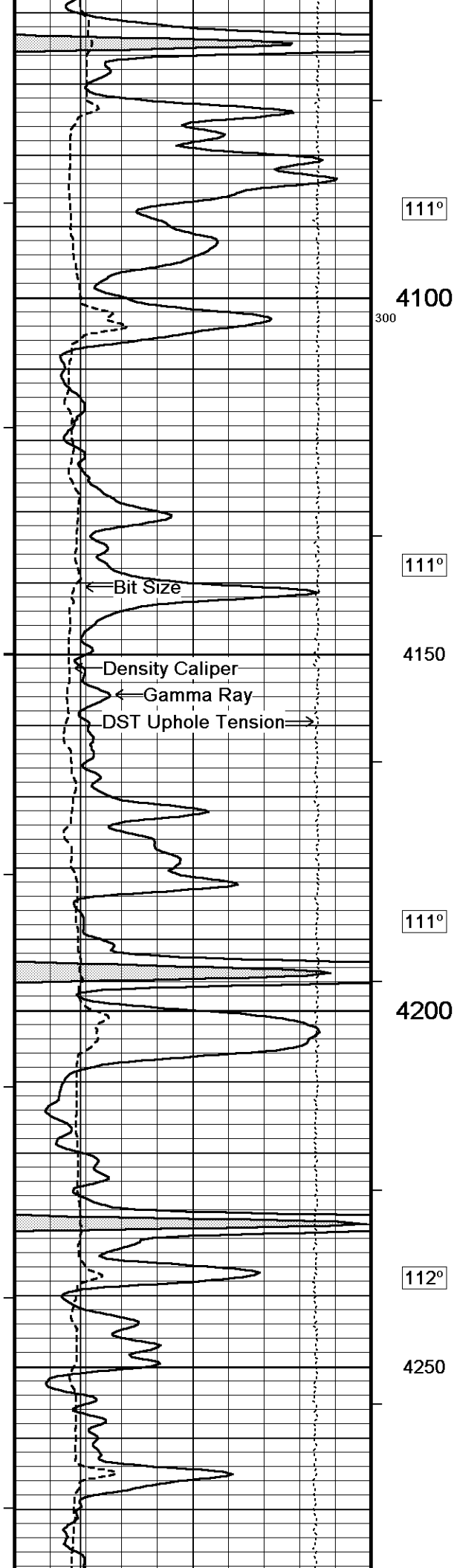
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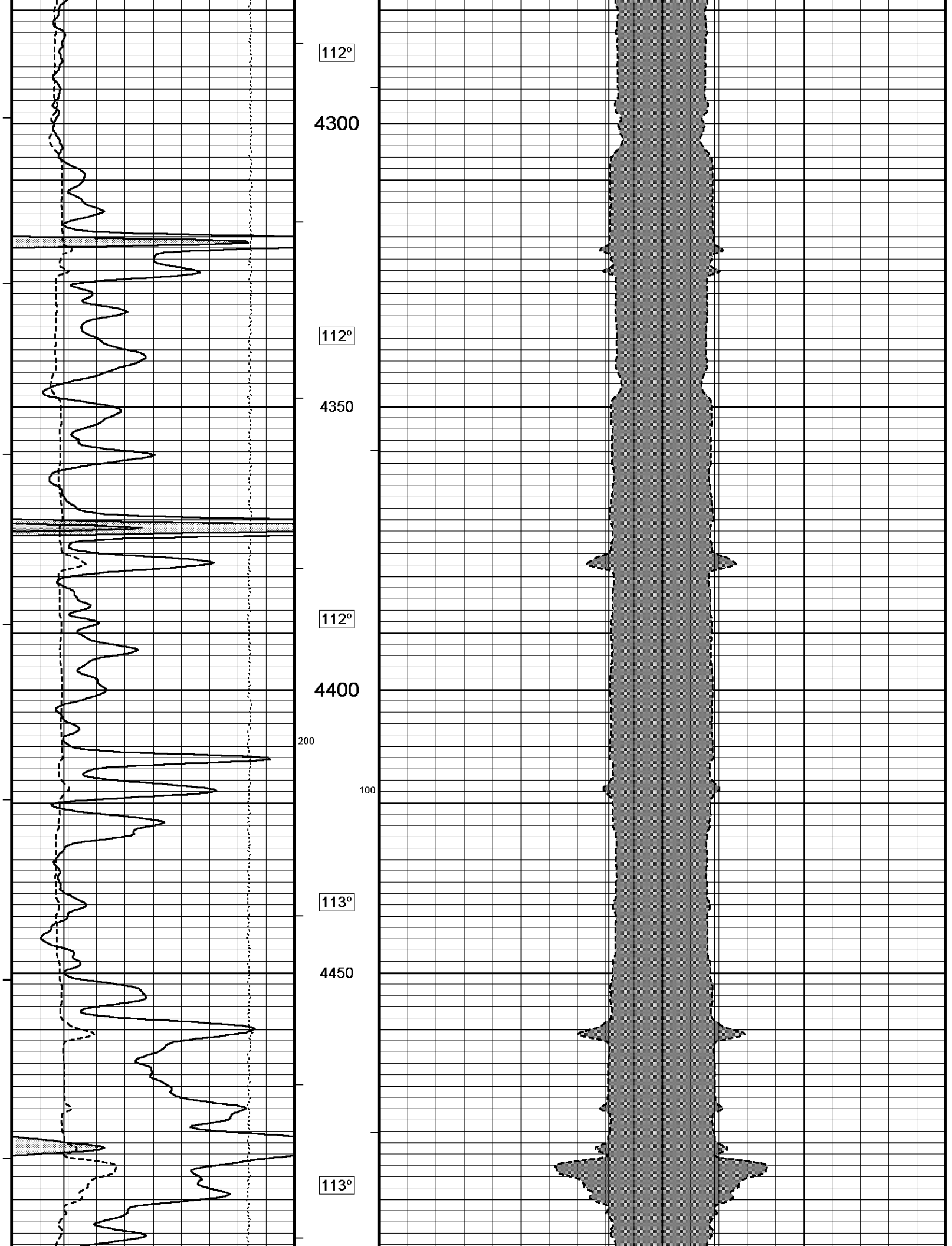
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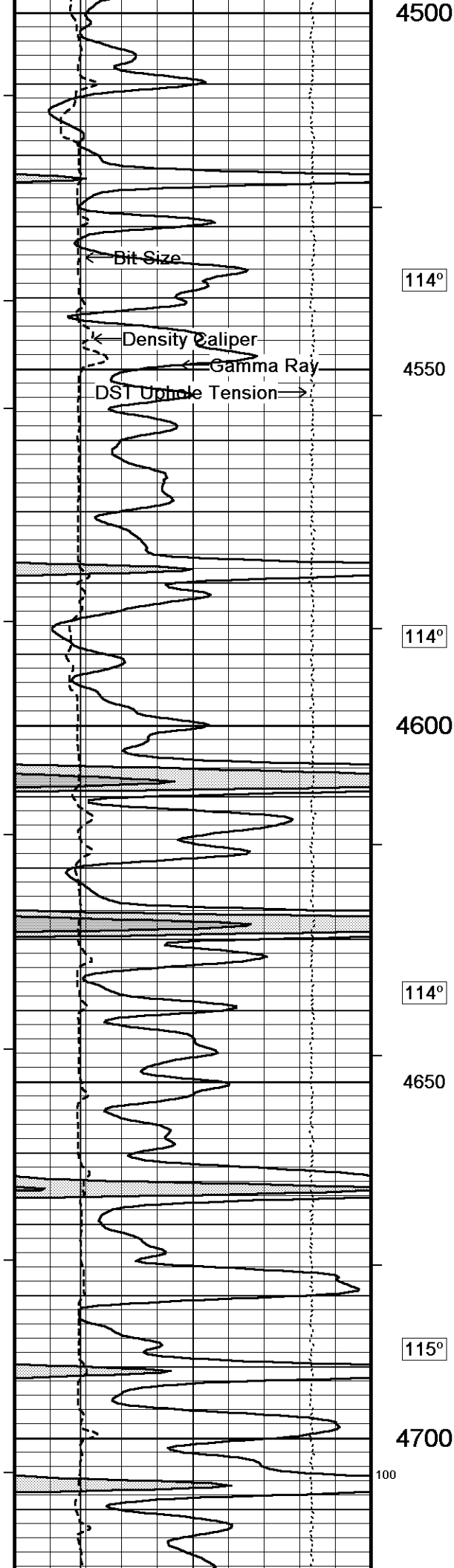
111°

4050









4500

114°

4550

114°

4600

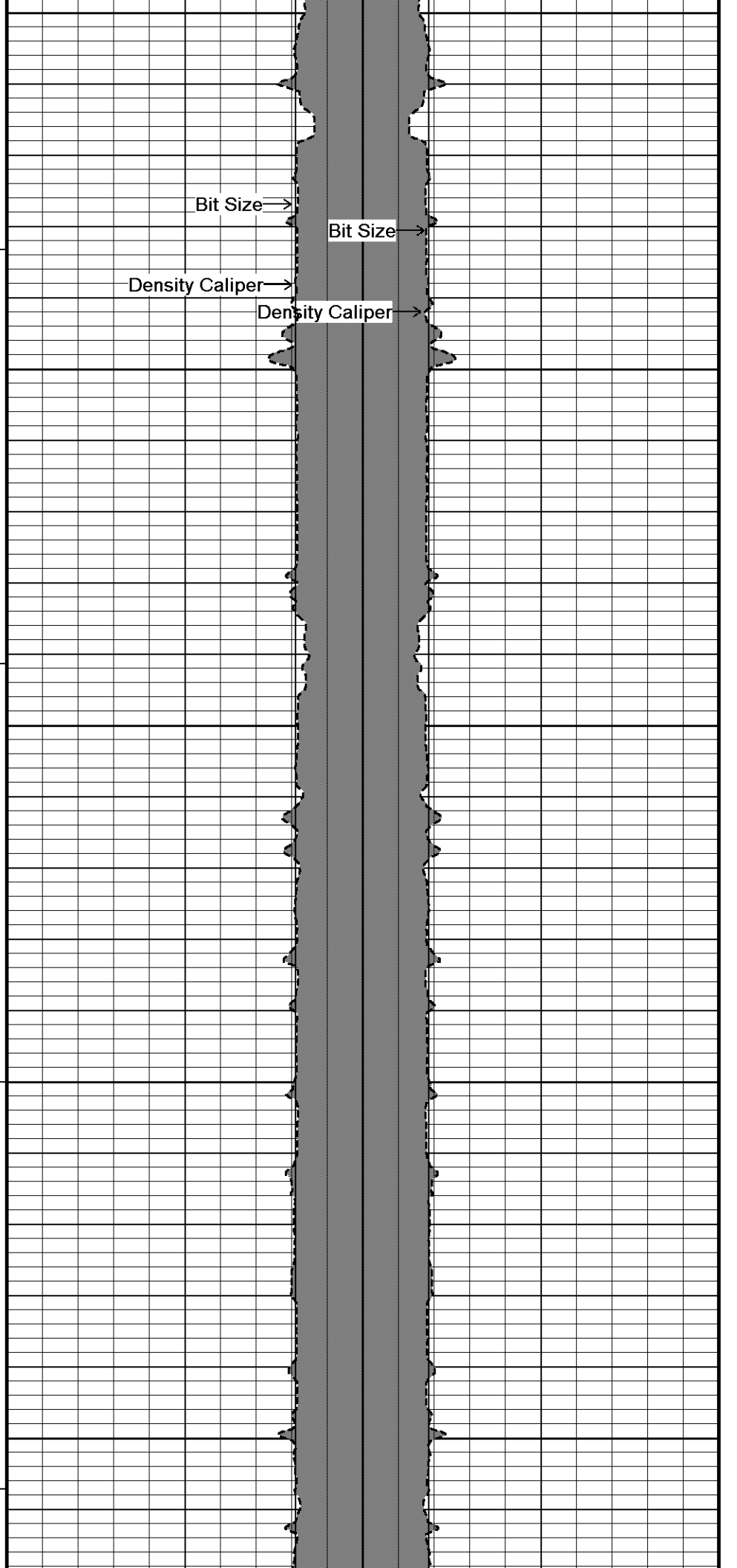
114°

4650

115°

4700

100

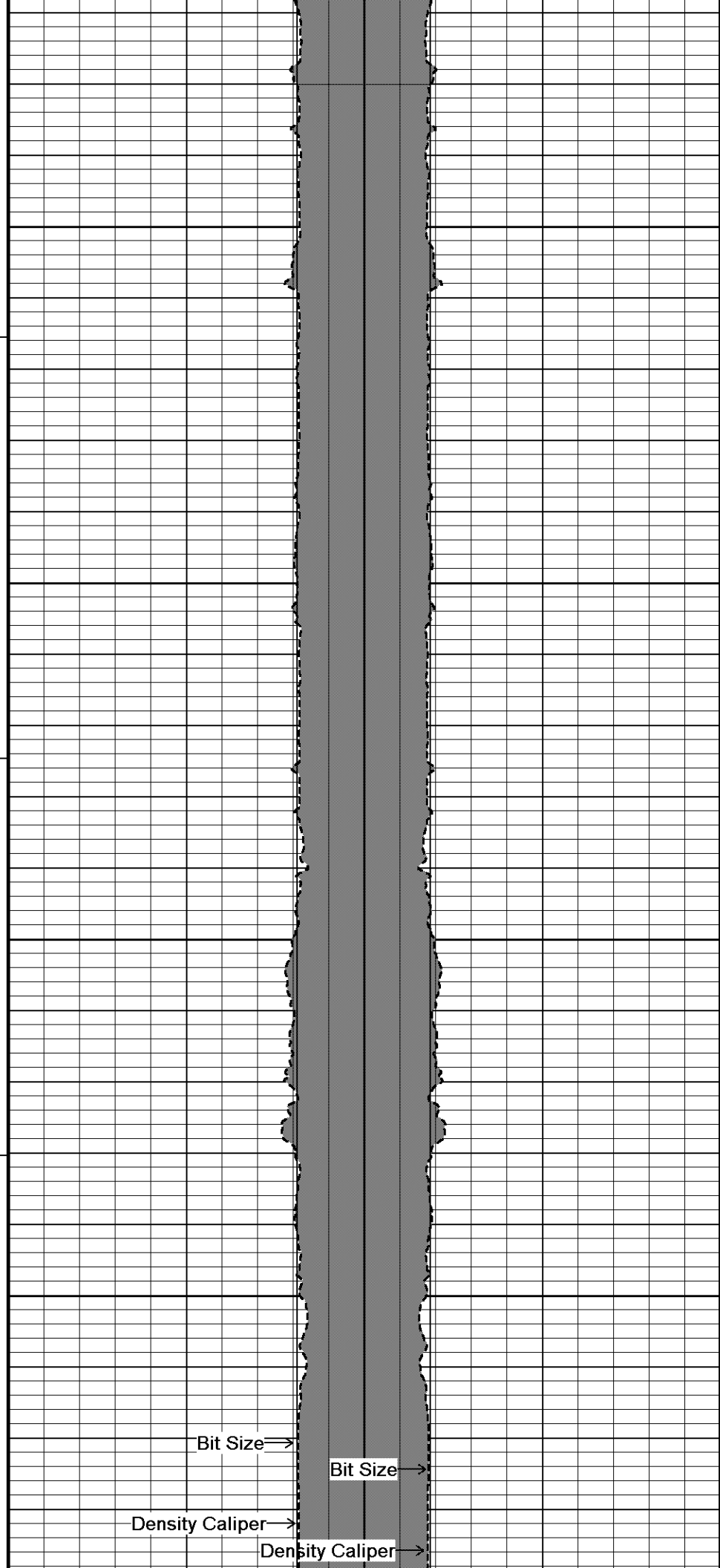
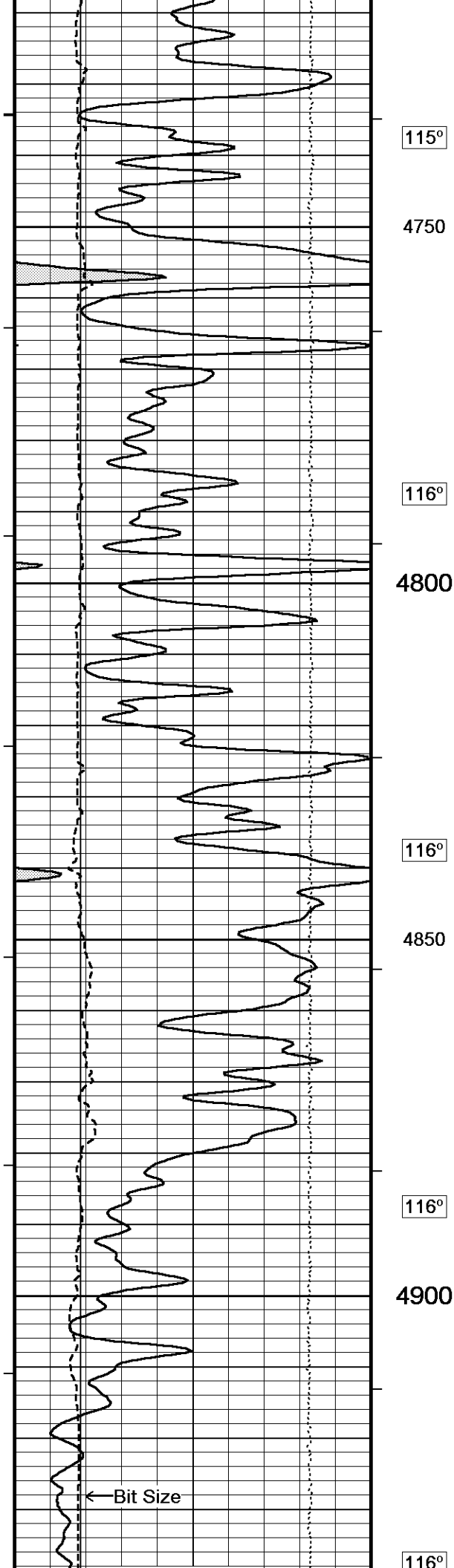


Bit Size →

Bit Size →

Density Caliper →

Density Caliper →



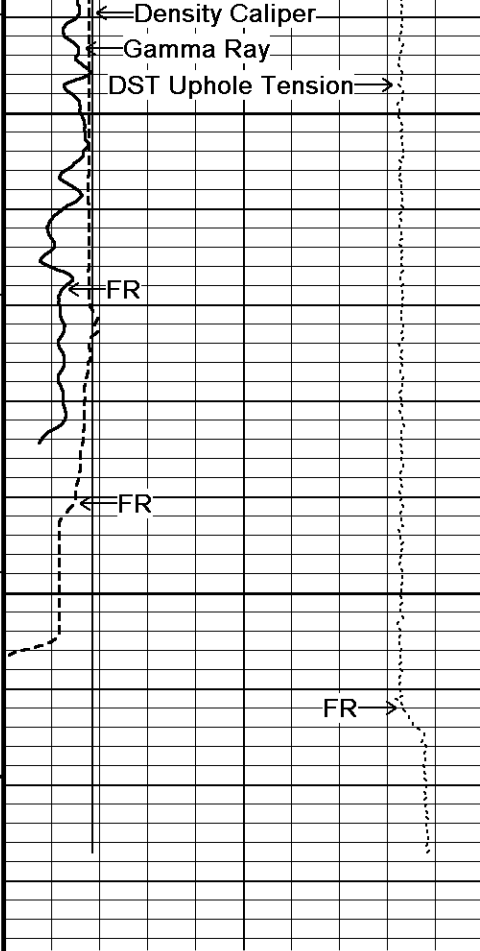
← Bit Size

Bit Size →

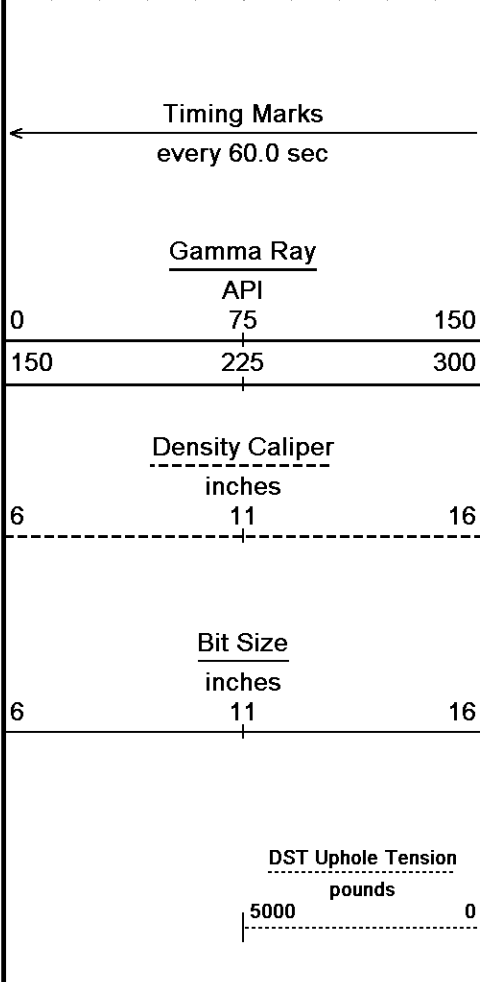
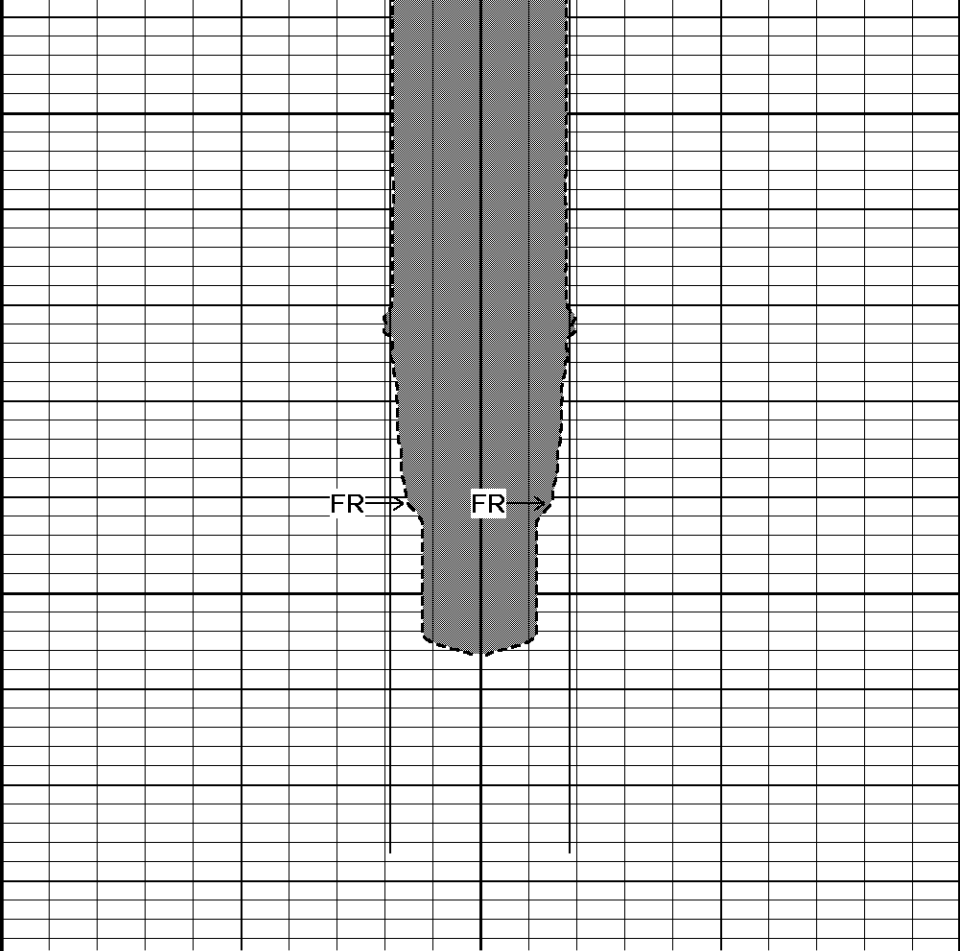
Bit Size →

Density Caliper →

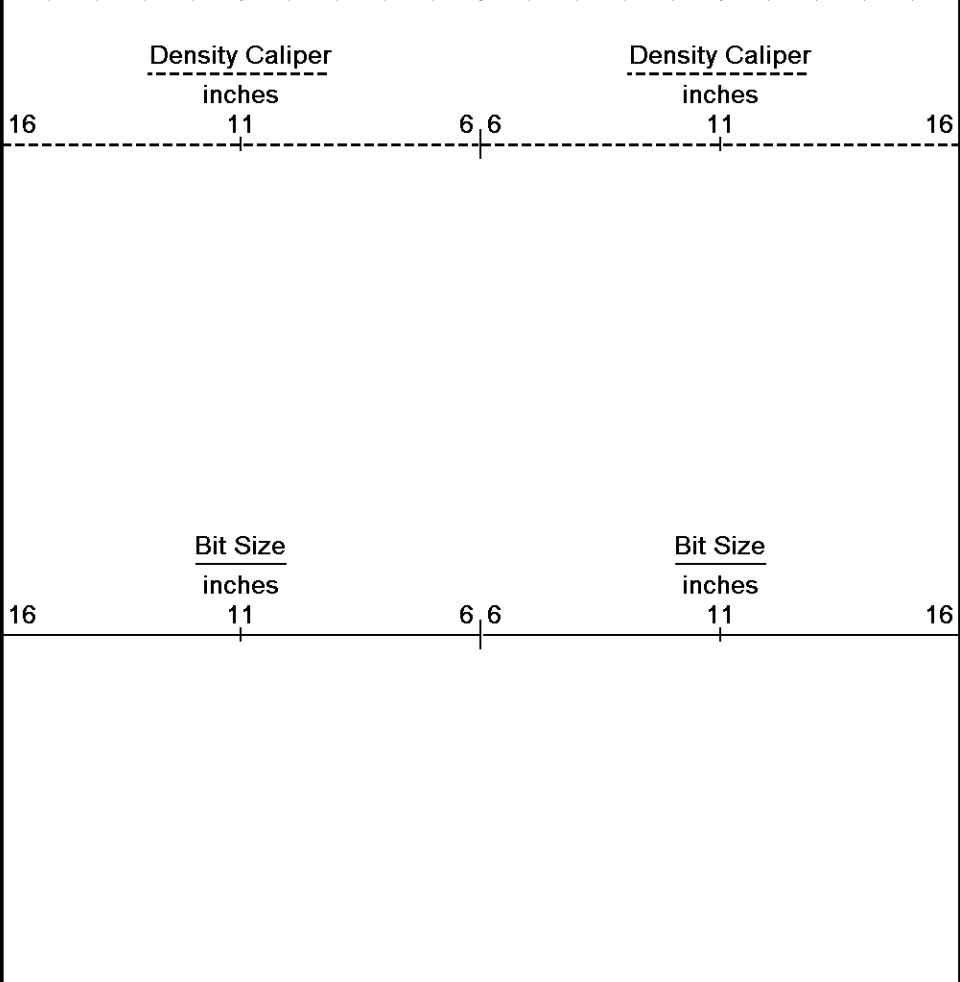
Density Caliper →



4950
5000
0
TD



Depth in Feet
Borehole Temp in deg F
HVI every 10 cu ft
Annular Integral every 10 cu ft
Replay Scale 1:240



DOWNHOLE EQUIPMENT

C:\Minimus 13.08\Data\PetroSantander Scott #6-13\PetroSantander Scott #6-13 Main.dta

3/8" Triple Cone Cable Head (MCB C A)

MCB-C.A 5 LG: 1.58 ft WT: 15.4 lb OD: 2.244 in

Compact Comms Gamma

MCG-D.K 443 LG: 8.70 ft WT: 63.9 lb OD: 2.240 in

Compact Micro-Resistivity

MMR-A 11 LG: 8.59 ft WT: 81.6 lb OD: 4.882 in

Compact Neutron

MDN-A.B 65 LG: 5.04 ft WT: 50.7 lb OD: 2.240 in

Compact Density/Caliper

MPD-B 104 LG: 9.59 ft WT: 90.4 lb OD: 2.449 in

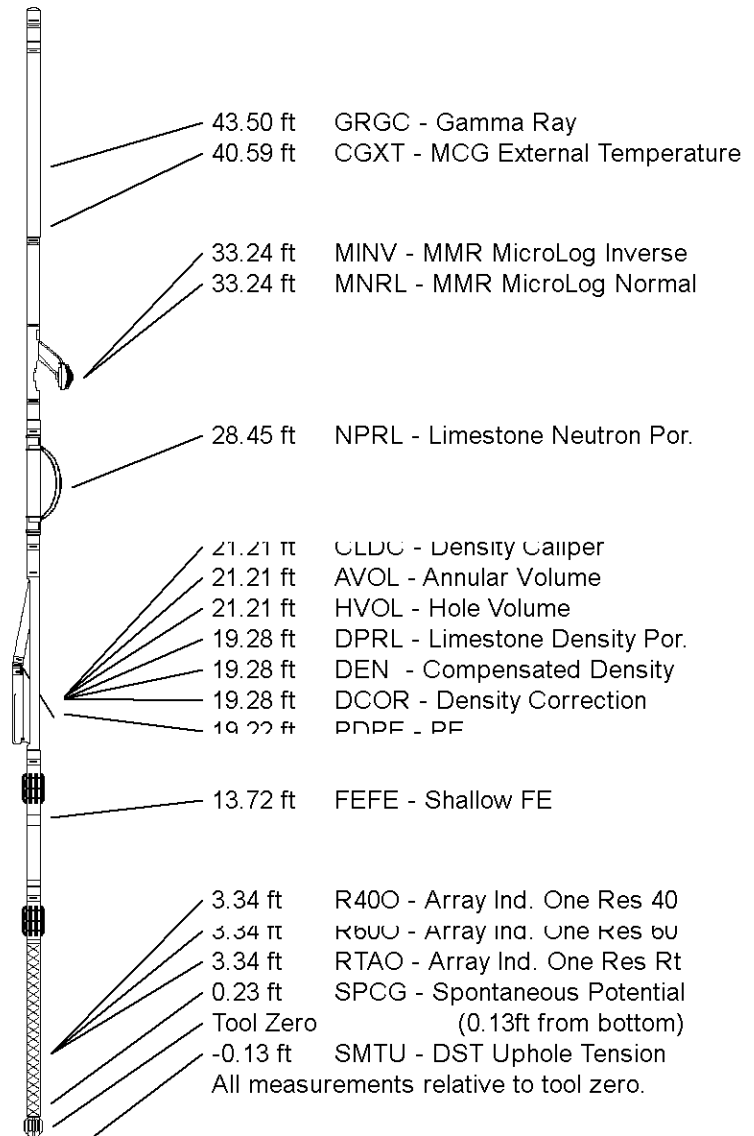
Compact Focussed Electric

MFE-B.J 352 LG: 6.05 ft WT: 48.5 lb OD: 2.240 in

Compact Induction

MAI-A.A 158 LG: 10.81 ft WT: 48.5 lb OD: 2.240 in

Total Length: 50.36 ft Weight: 399.0 lb



COMPANY

PETROSANTANDER (USA), INC.

WELL

SCOTT #6-13

FIELD

CHRISTABELLE

PROVINCE/COUNTY

KEARNY

COUNTRY/STATE

U.S.A. / KANSAS

Elevation Kelly Bushing	3106.00	feet
Elevation Drill Floor	3104.00	feet
Elevation Ground Level	3094.00	feet

First Reading		feet
Depth Driller	5010.00	feet
Depth Logger	5012.00	feet



Weatherford®

CALIPER LOG

