



Weatherford

CALIPER LOG

COMPANY				O'BRIAN RESOURCES, LLC			
WELL				BAR S RANCH 28 #1			
FIELD				WILDCAT			
PROVINCE/COUNTY				RUSSELL			
COUNTRY/STATE				U.S.A. / KANSAS			
LOCATION				472' FNL & 814' FEL			
SEC	TWP	RGE	Other Services				
28	11S	14W	MPD/MDN				
API Number		15-167-23897		MAI/MFE			
Permit Number				MML			
Permanent Datum GL, Elevation 1730 feet							
Log Measured From KB							
Drilling Measured From KB @ 11 FEET							
Date	12-AUG-2013			Elevations:		feet	
Run Number	ONE			KB		1741.00	
Service Order	3541030			DF		1740.00	
Depth Driller	3518.00			GL		1730.00	
Depth Logger	3512.00						
First Reading	3493.00						
Last Reading	261.00						
Casing Driller	267.00						
Casing Logger	261.00						
Bit Size	7.875						
Hole Fluid Type	CHEM						
Density / Viscosity	9.20 lb/USg		64.00 CP				
PH / Fluid Loss	10.50		10.00 ml/30Min				
Sample Source	PIT						
Rm @ Measured Temp	1.20 @ 85.0		ohm-m				
Rmf @ Measured Temp	0.96 @ 85.0		ohm-m				
Rmc @ Measured Temp	1.44 @ 85.0		ohm-m				
Source Rmf / Rmc	CALC		CALC				
Rm @ BHT	1.0 @ 85.0		ohm-m				
Time Since Circulation	4 HRS						
Max Recorded Temp	102.00		deg F				
Equipment / Base	13057		LIB				
Recorded By	D. COLE						
Witnessed By	S. DEENIHAN						

BOREHOLE RECORD					Last Edited: 12-AUG-2013 22:46
Bit Size inches		Depth From feet		Depth To feet	
7.875		267.00		3518.00	
CASING RECORD					
Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft	
SURFACE	8.625	0.00	267.00	24.00	

REMARKS
- SOFTWARE ISSUE: 13.05.9583
- MCG, MML, MDN, MPD, MFE, MAI RAN IN COMBINATION
- HARDWARE: DUAL BOWSPRING USED ON MDN 0.5 INCH STANDOFF USED ON MFE AND MAI
- 2.71 G/CC LIMESTONE DENSITY MATRIX USED TO CALCULATE POROSITY
- BOREHOLE RUGOSITY, TIGHT PULLS, AND WASHOUTS WILL EFFECT DATA QUALITY
- ALL INTERVALS LOGGED AND SCALED PER CUSTOMRES REQUEST
- TOTAL HOLE VOLUME FROM TD TO 2550: 340 CU.FT.
- ANNULAR HOLE VOLUME WITH 5.5 INCH PRODUCTION CASING FROM TD TO 2550: 190 CU.FT.
-RIG: DUKE 10

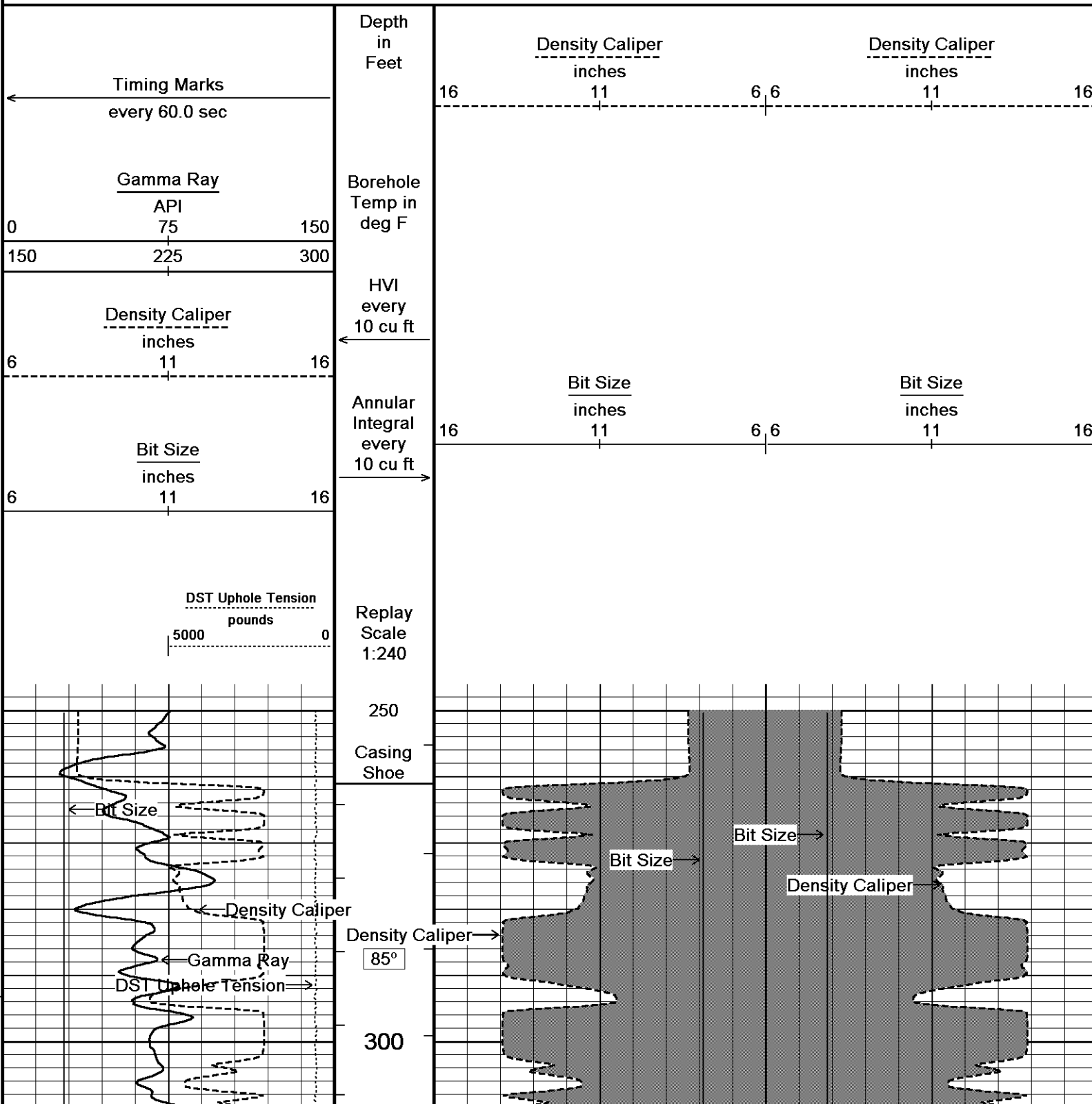
- ENGINEER: D. COLE

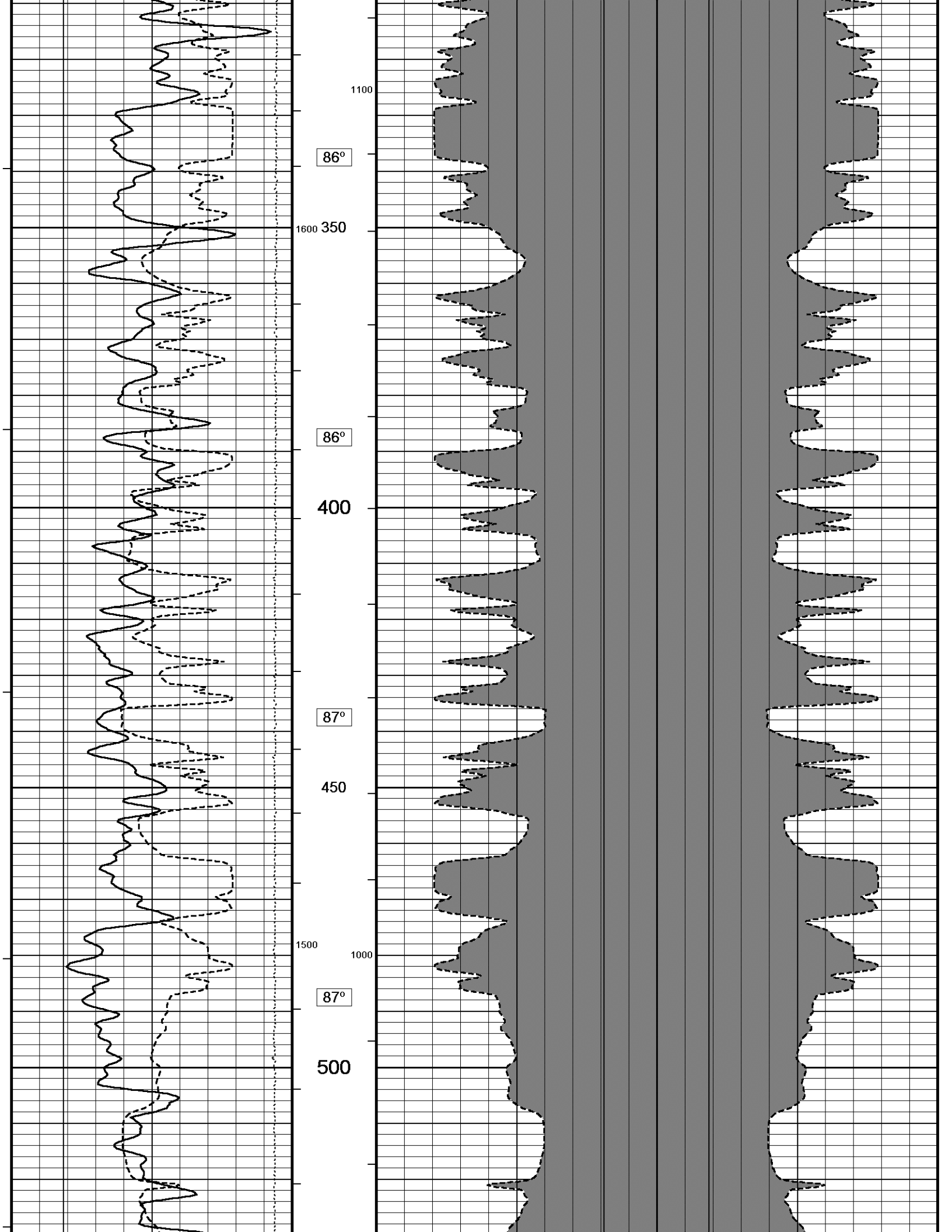
- OPERATOR: C. RAMIREZ

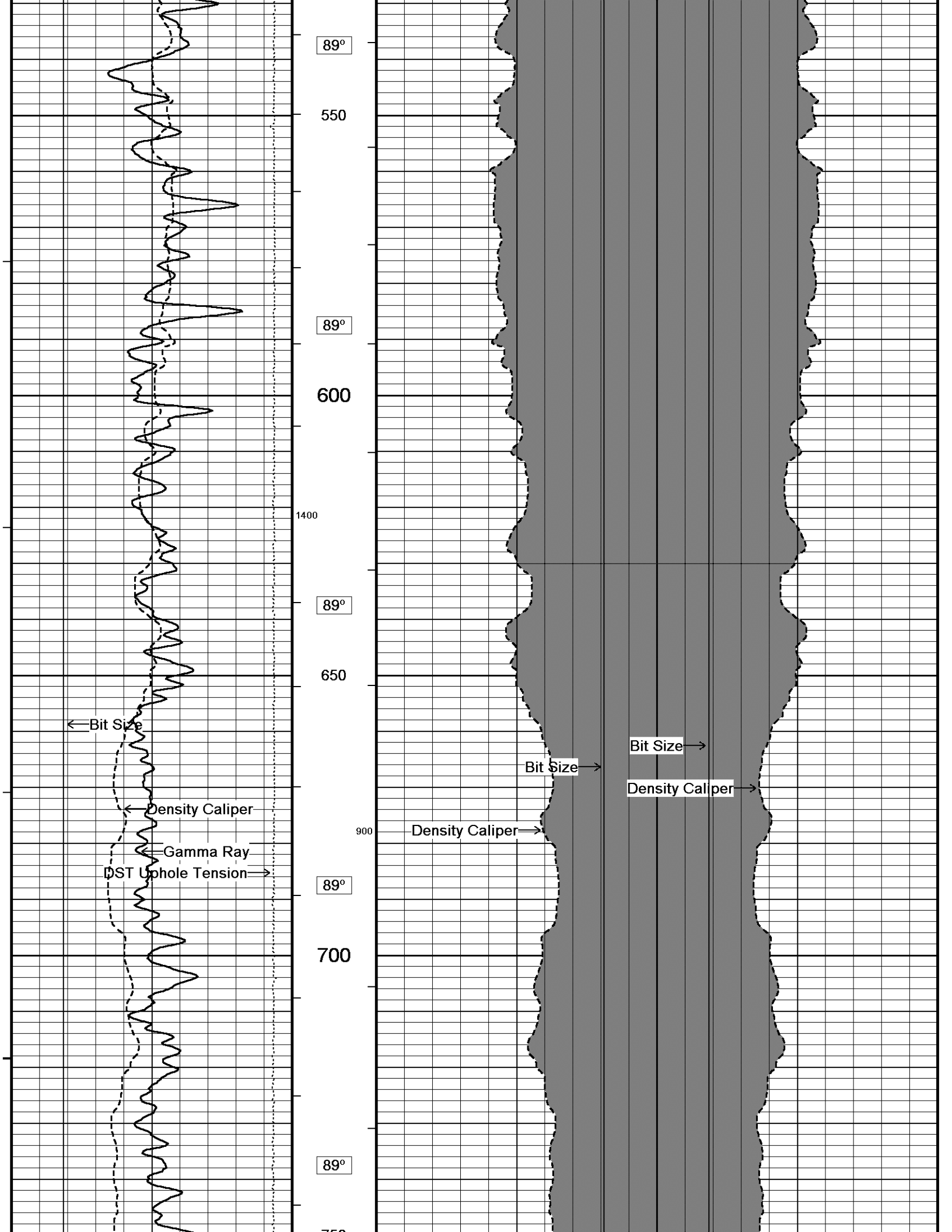
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs,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

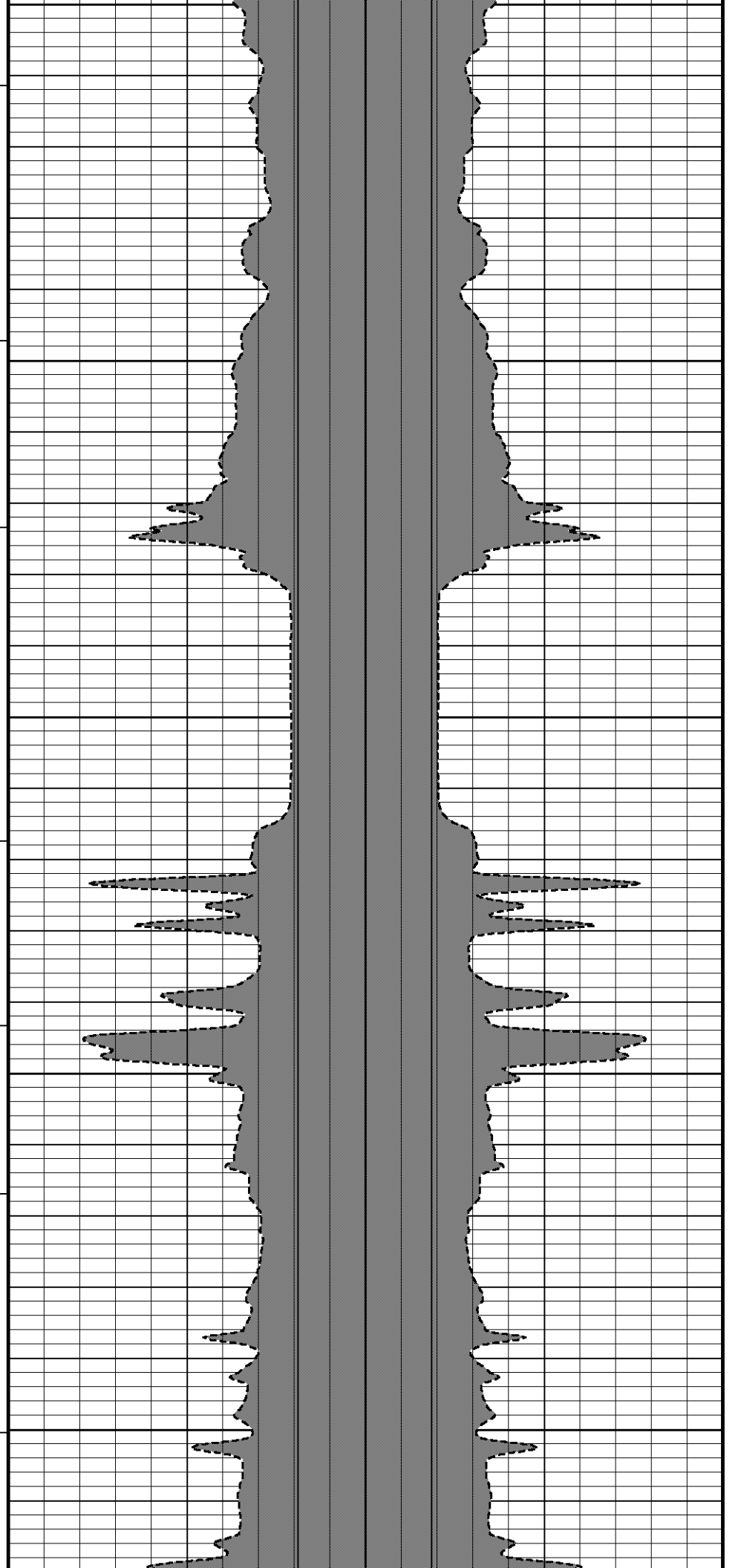
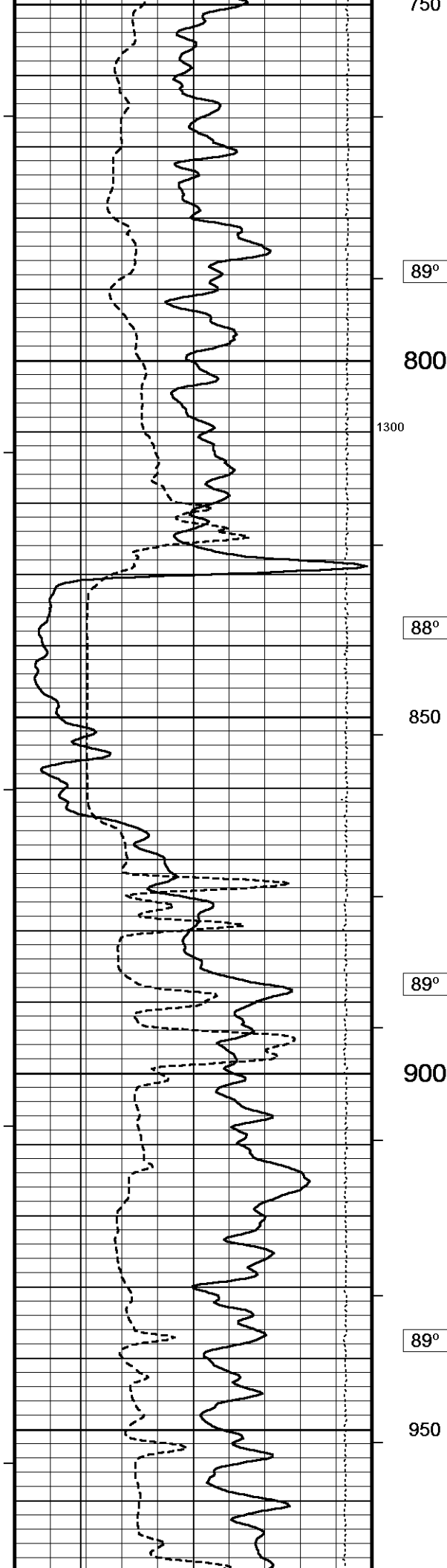
↓ 5 INCH CALIPER LOG ↓

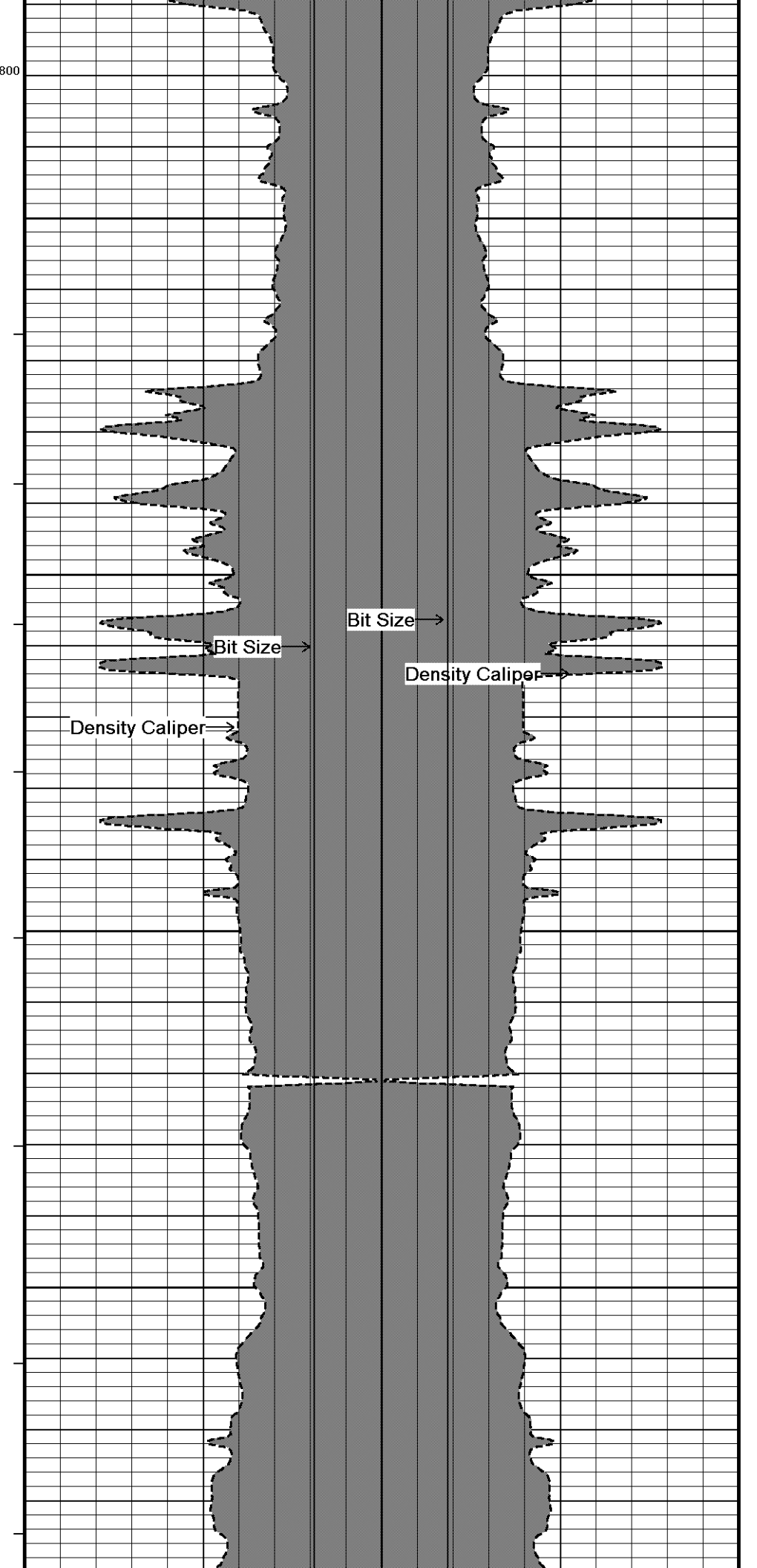
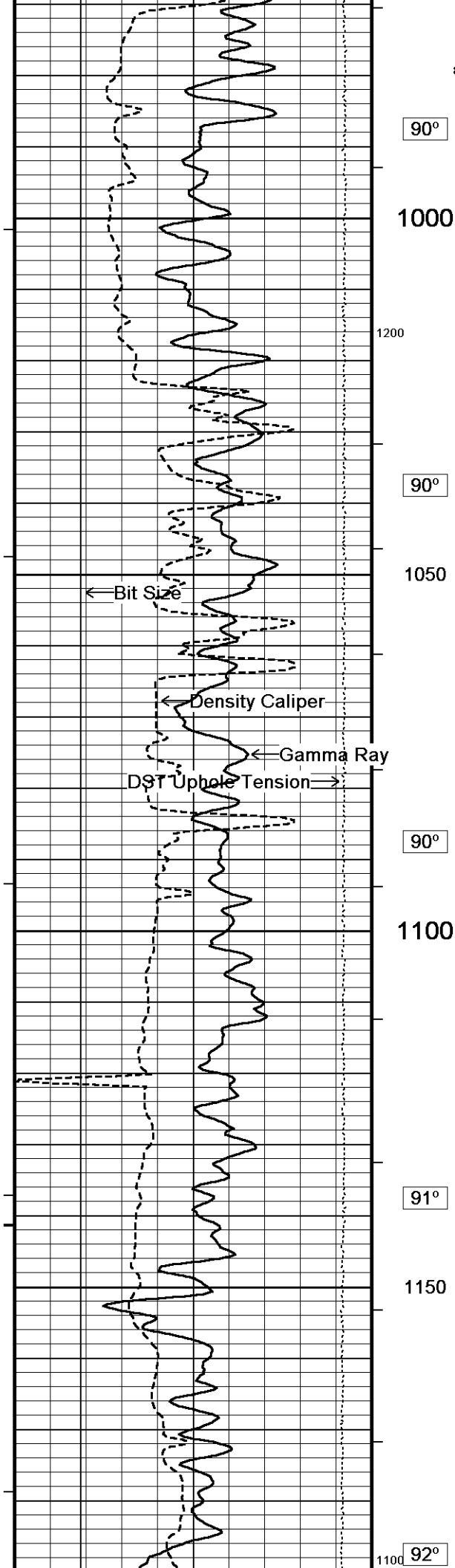
Depth Based Data - Maximum Sampling Increment 10.0cm
 Plotted on 13-AUG-2013 03:10
 Filename: C:\Minimus 13.05.9583\Logs\O'Brien Reso...\O'Brien Resources Bar S Ranch 28 #1 MAIN.dta
 Recorded on 13-AUG-2013 01:32
 System Versions: Logged with 13.05.9583 Plotted with 13.05.9583

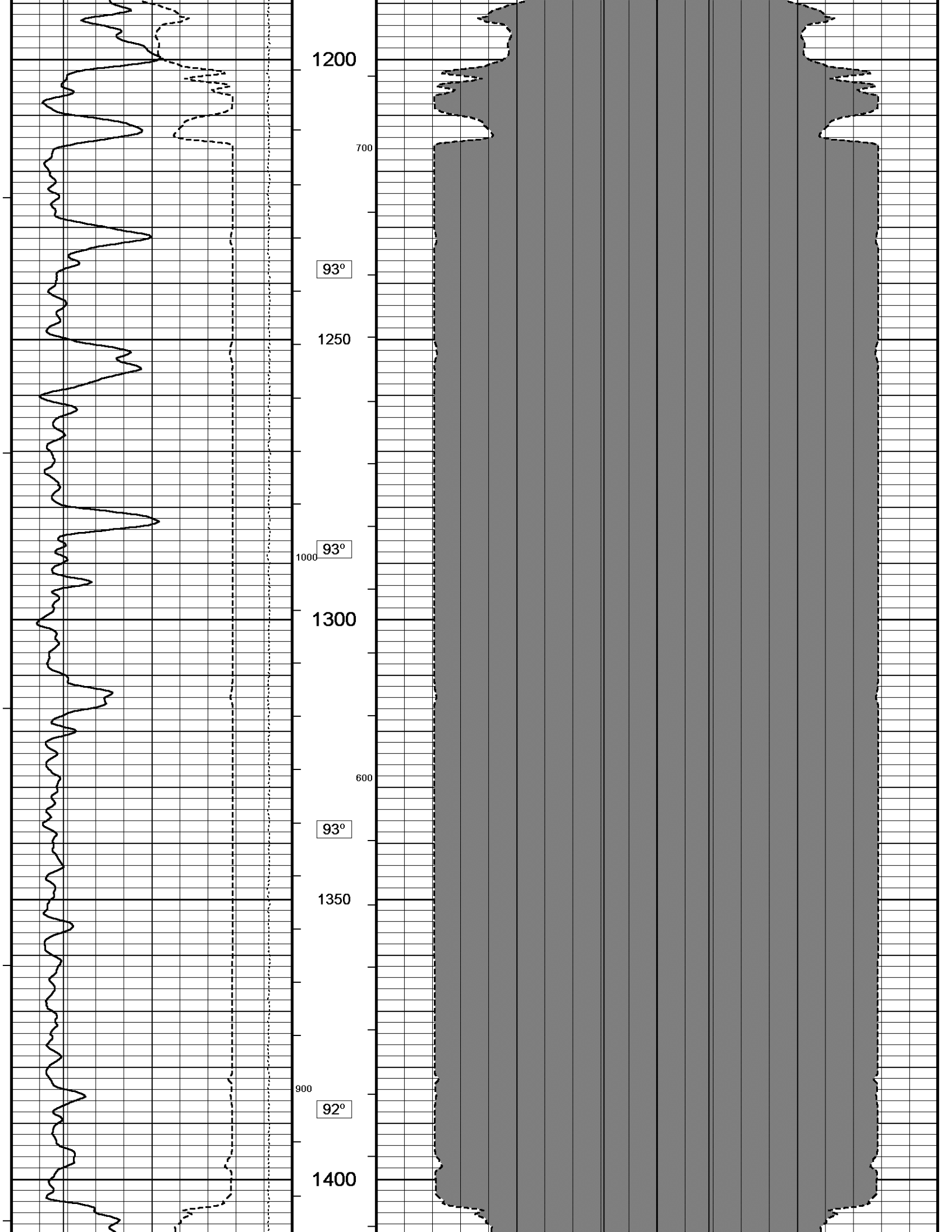


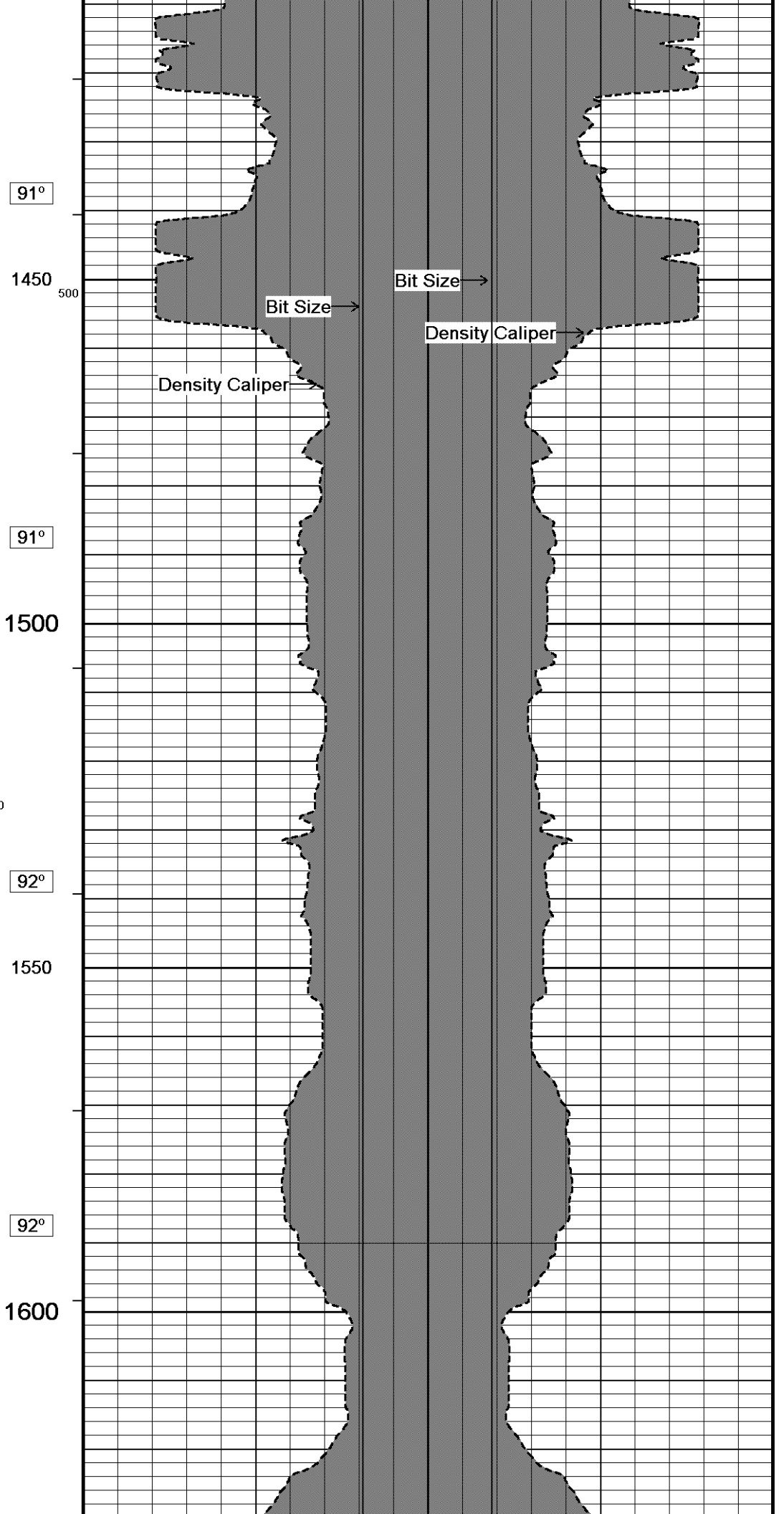
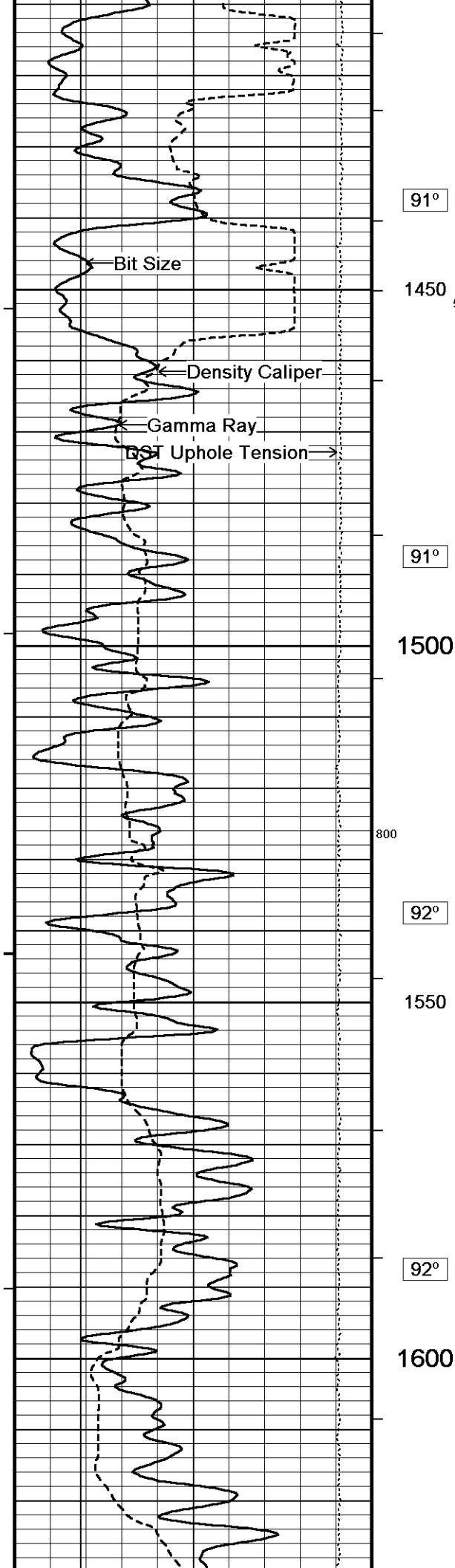


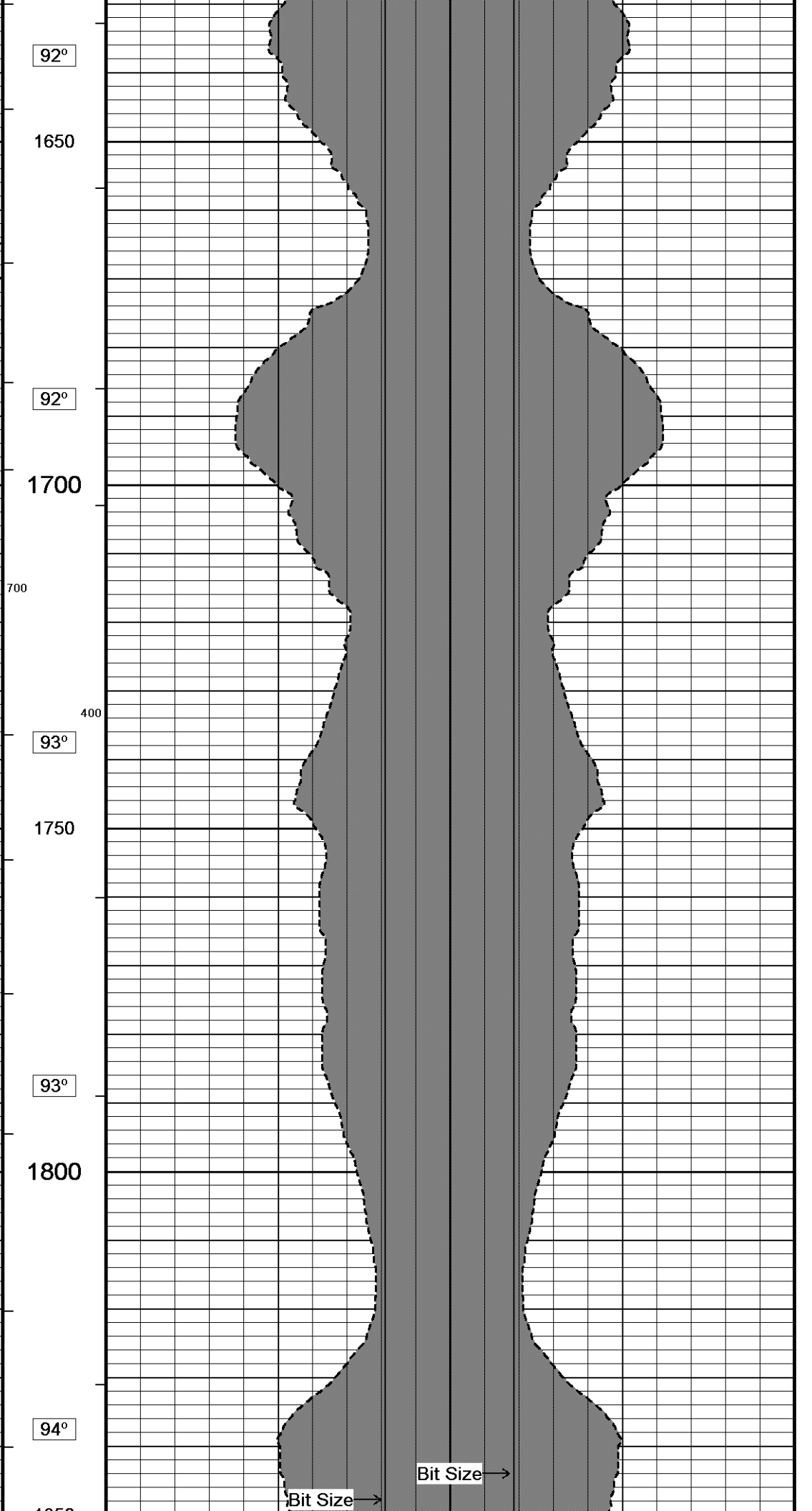
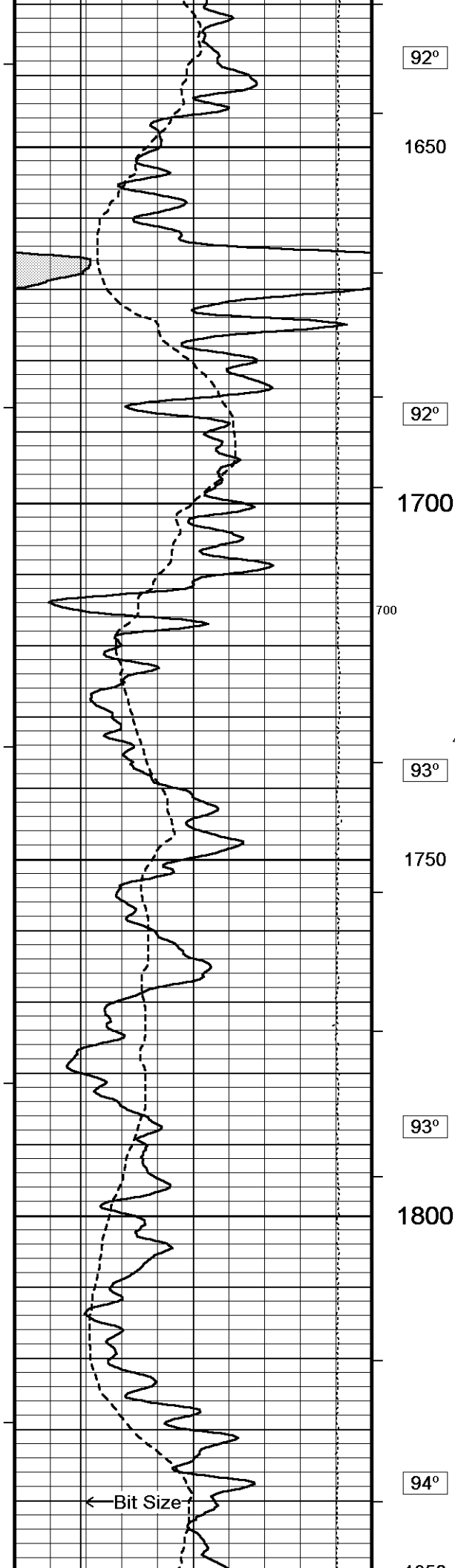


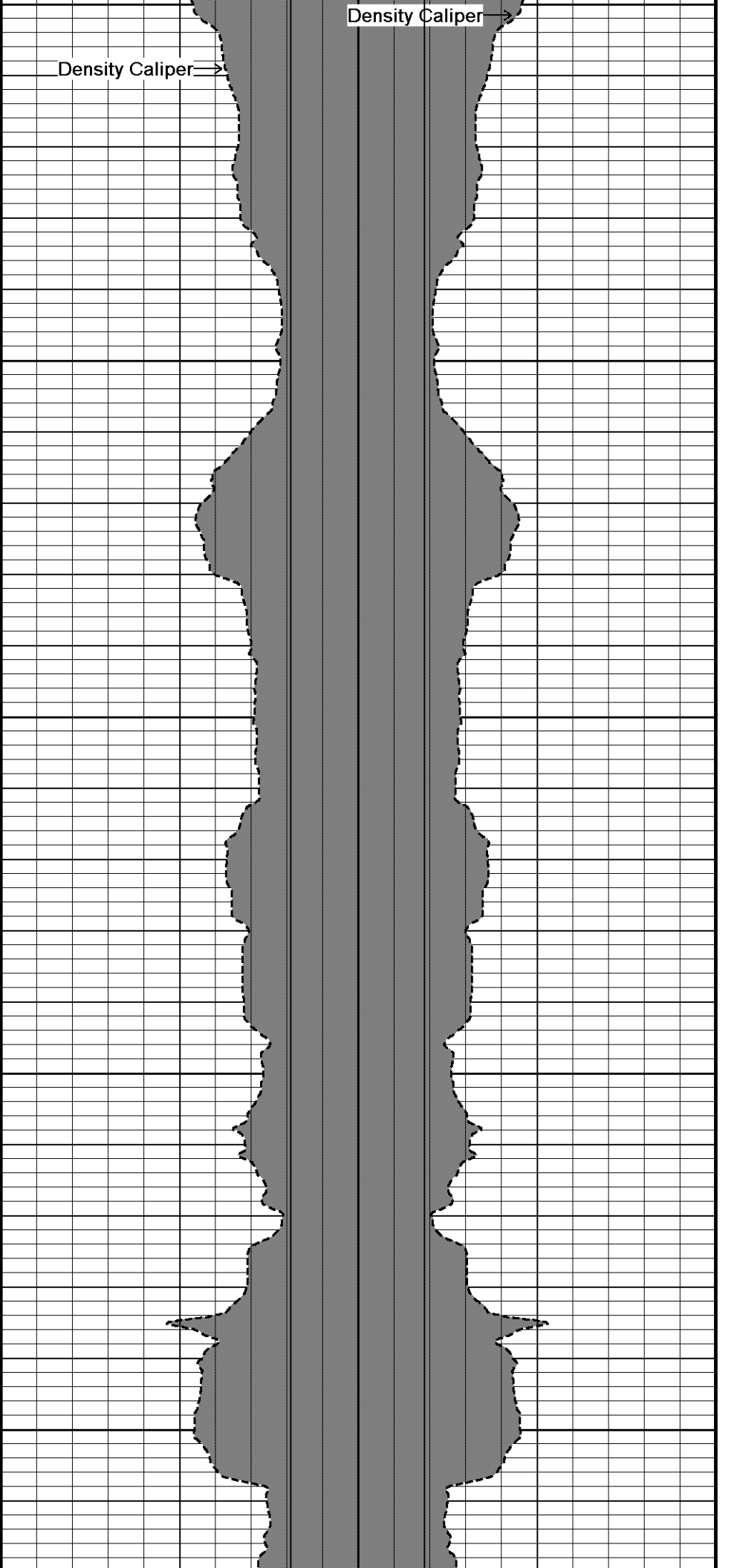
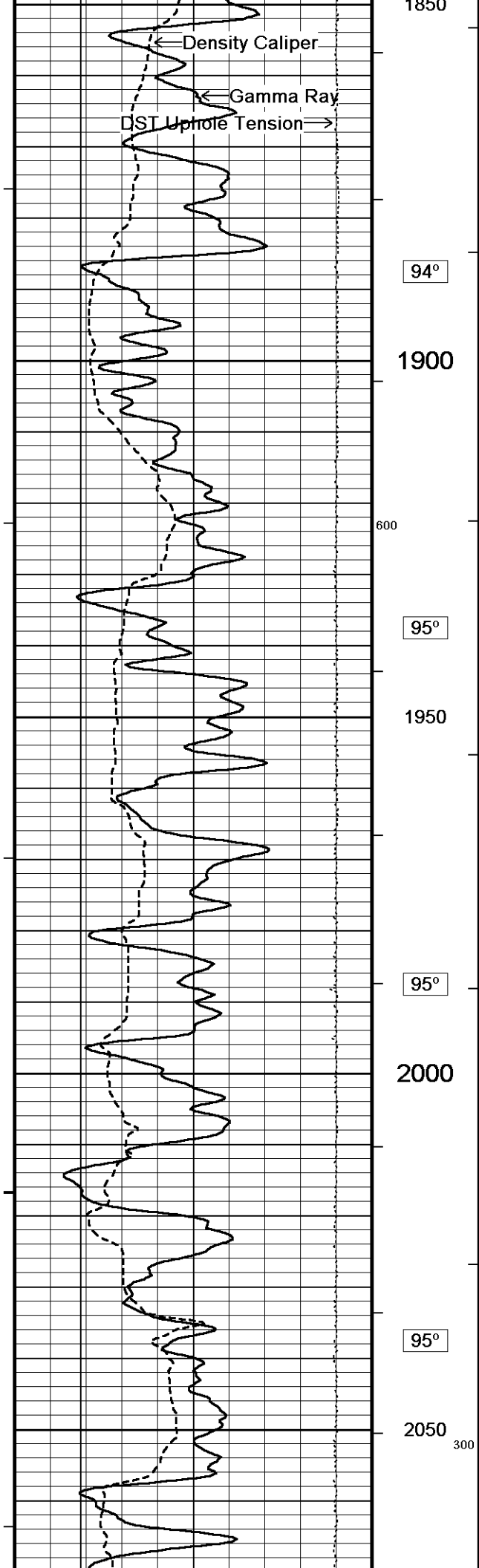


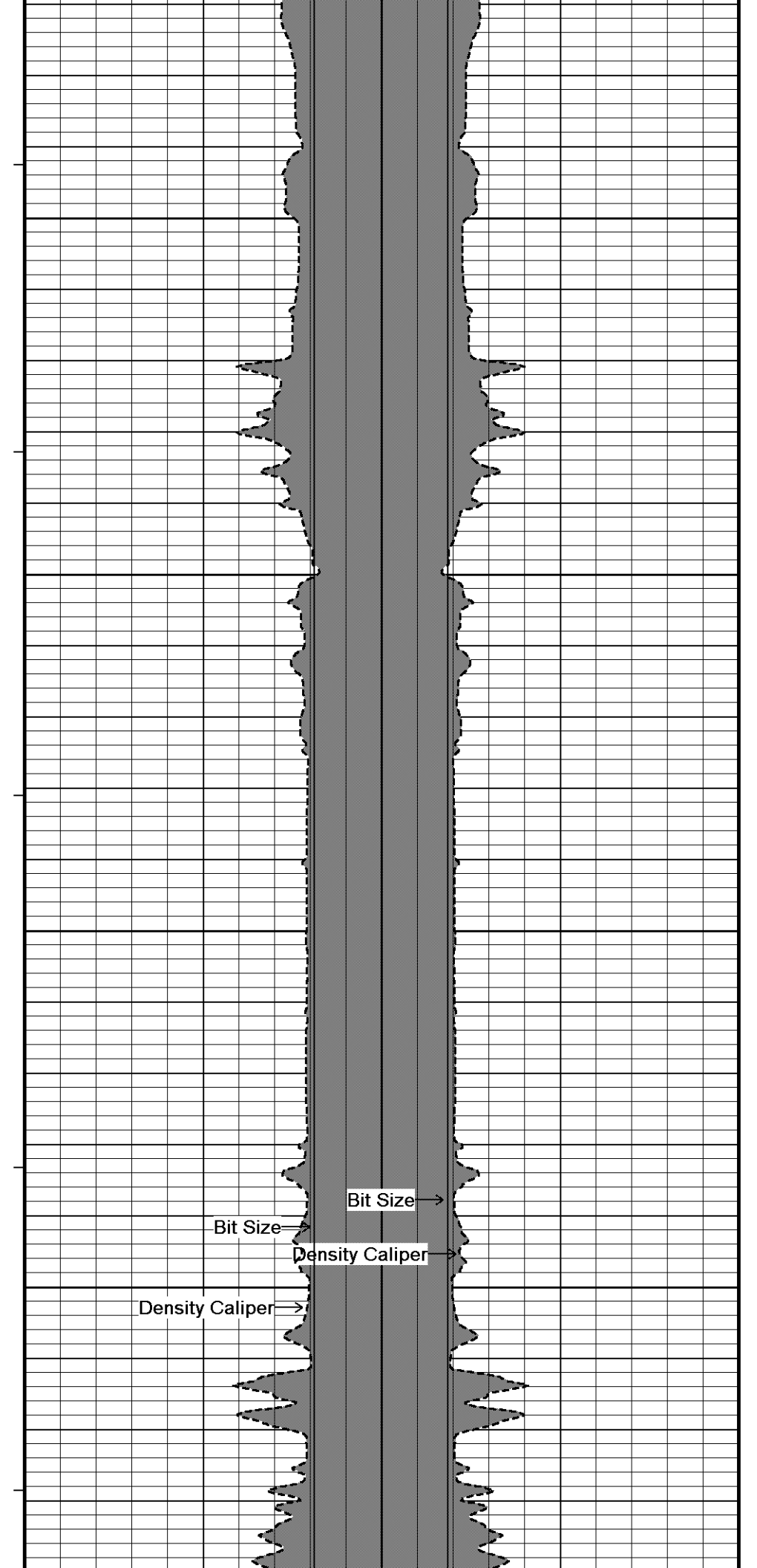
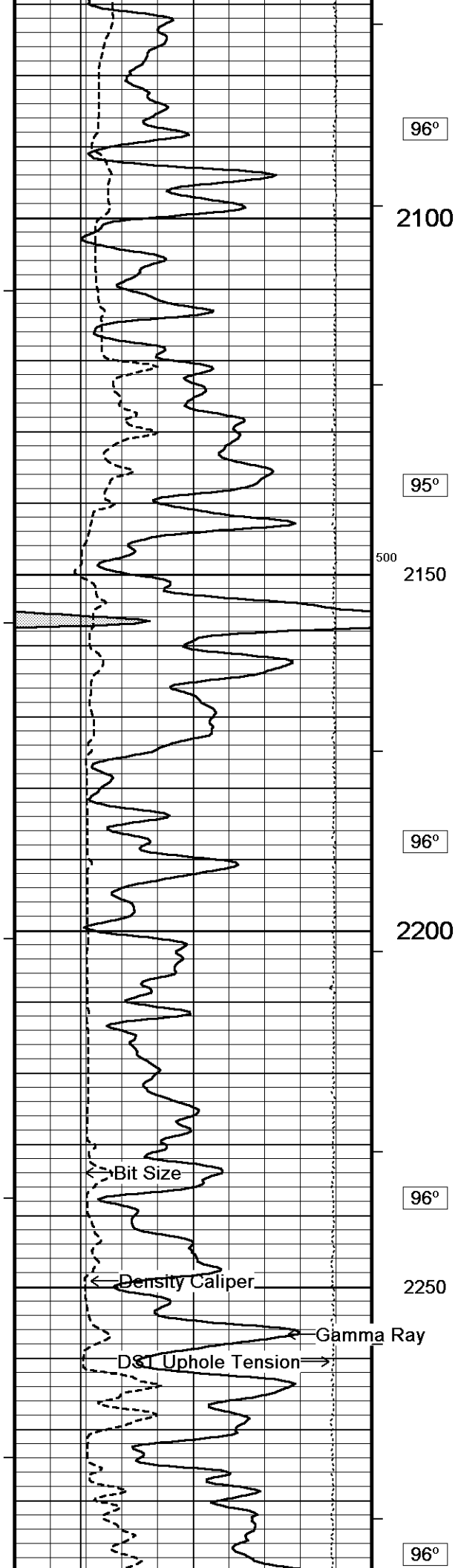


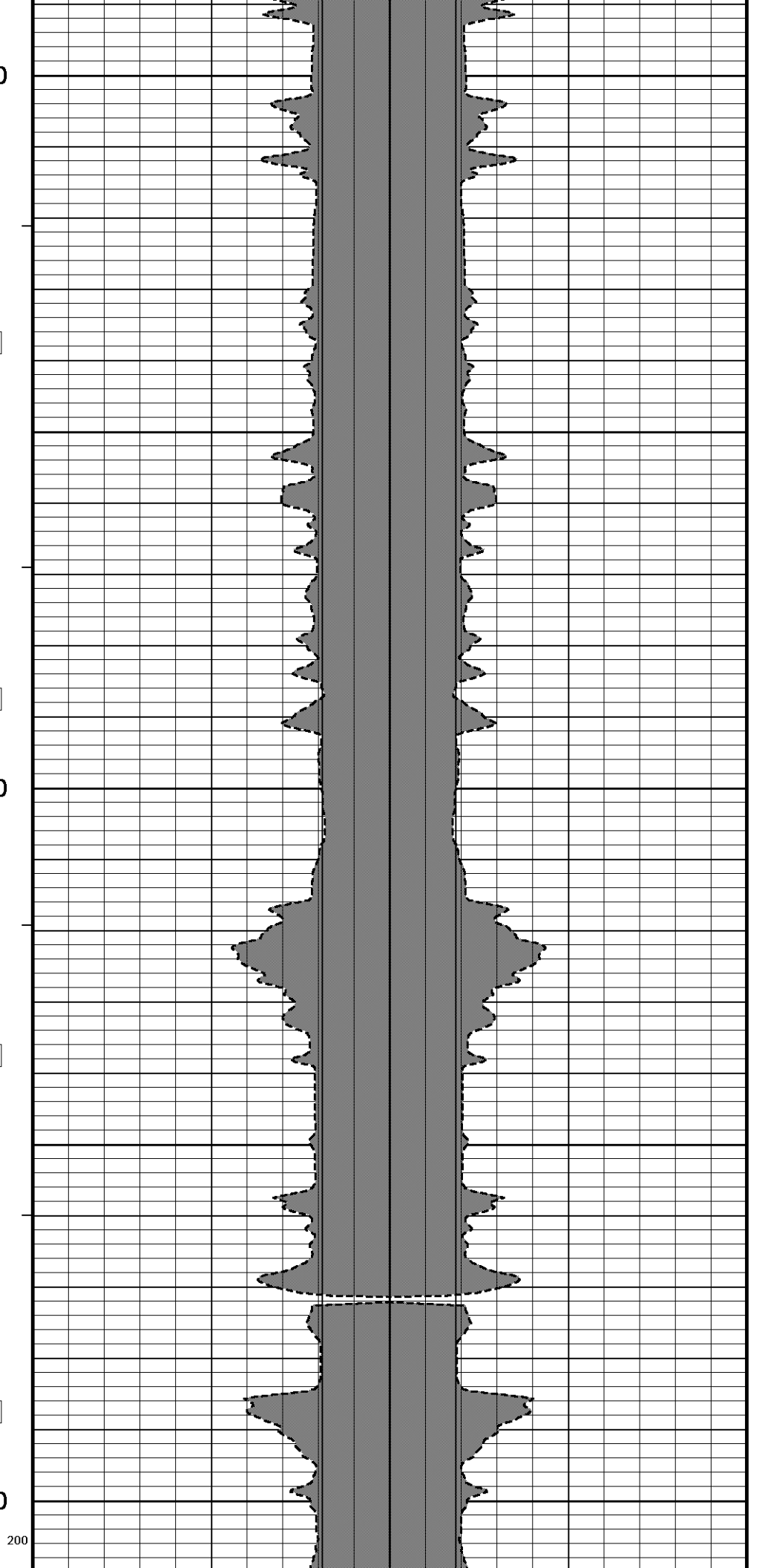
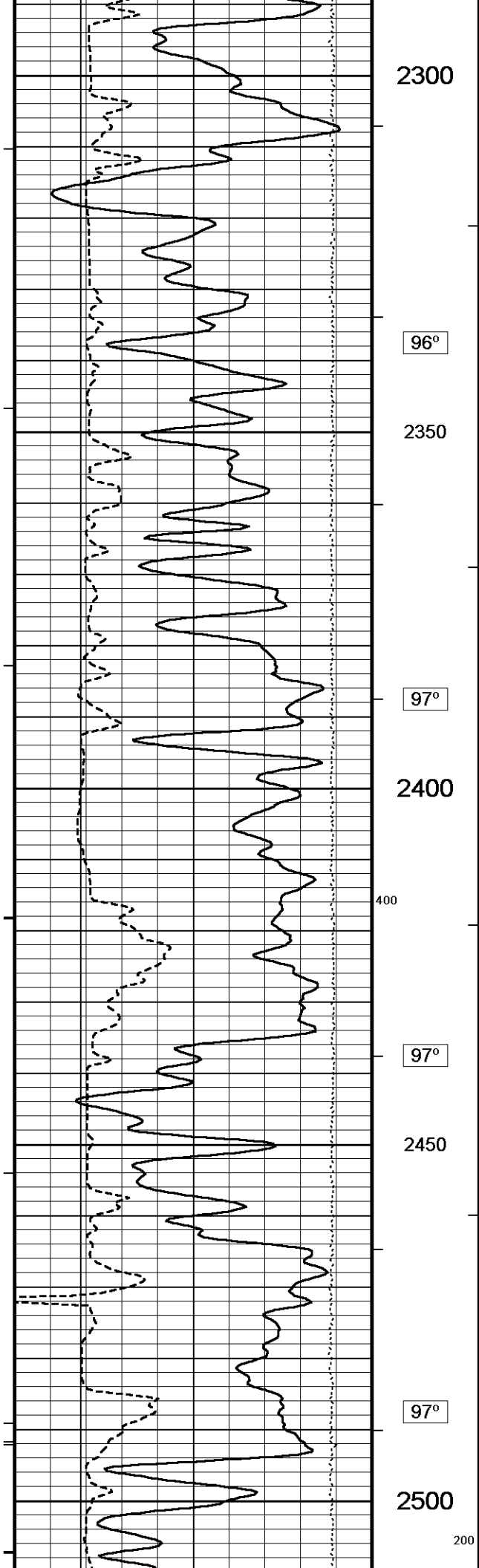


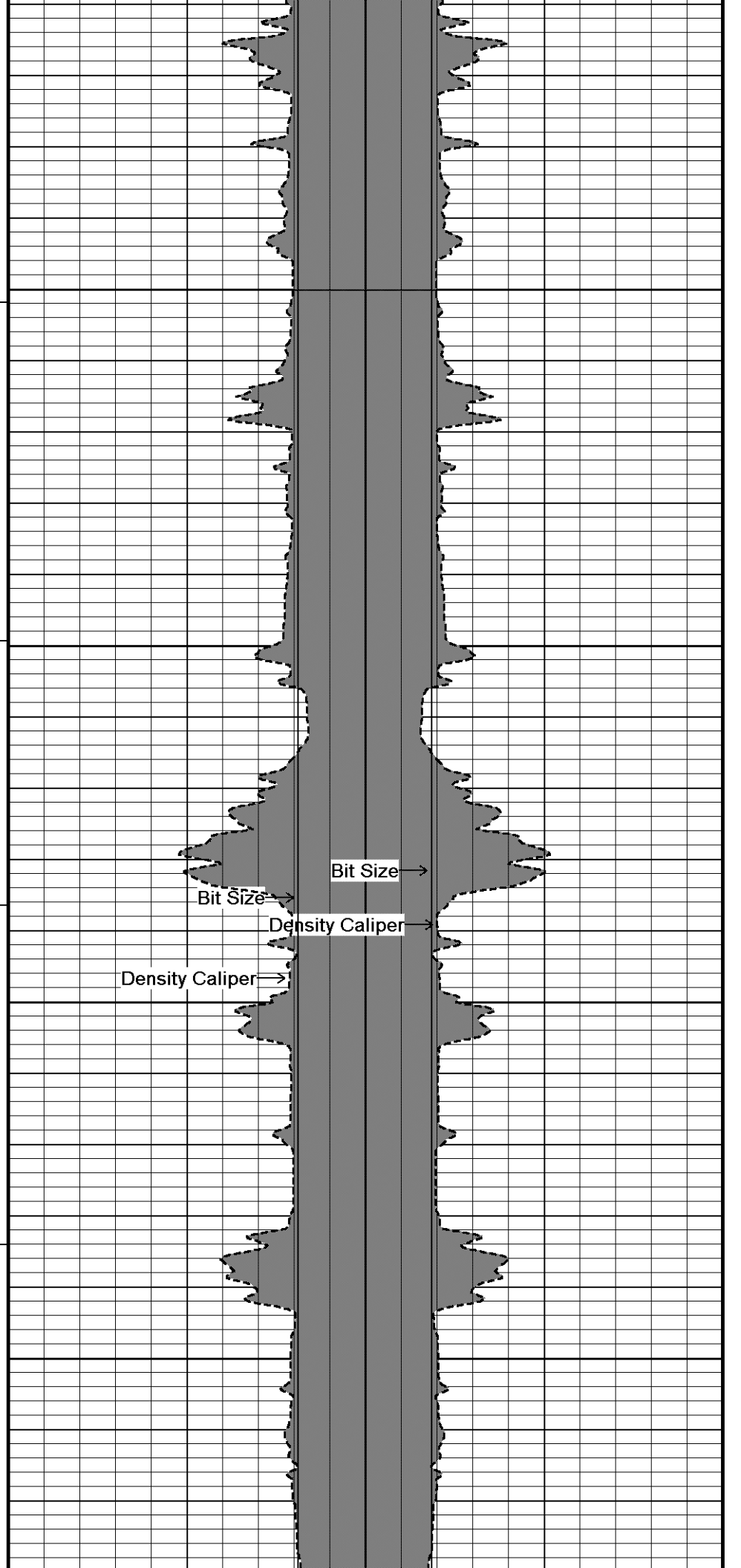
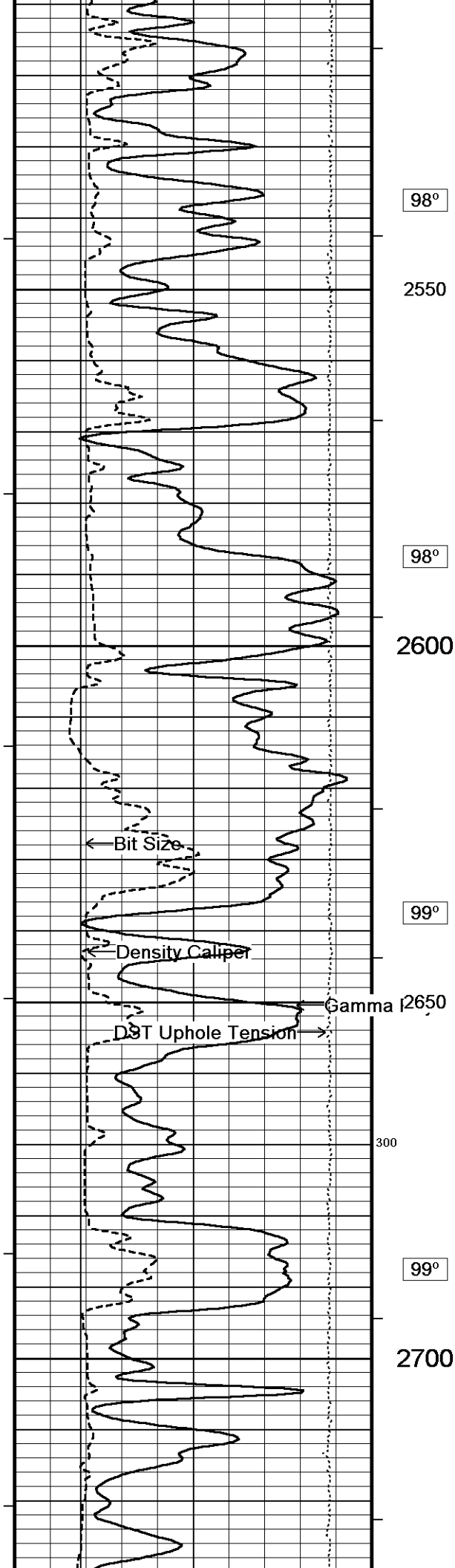


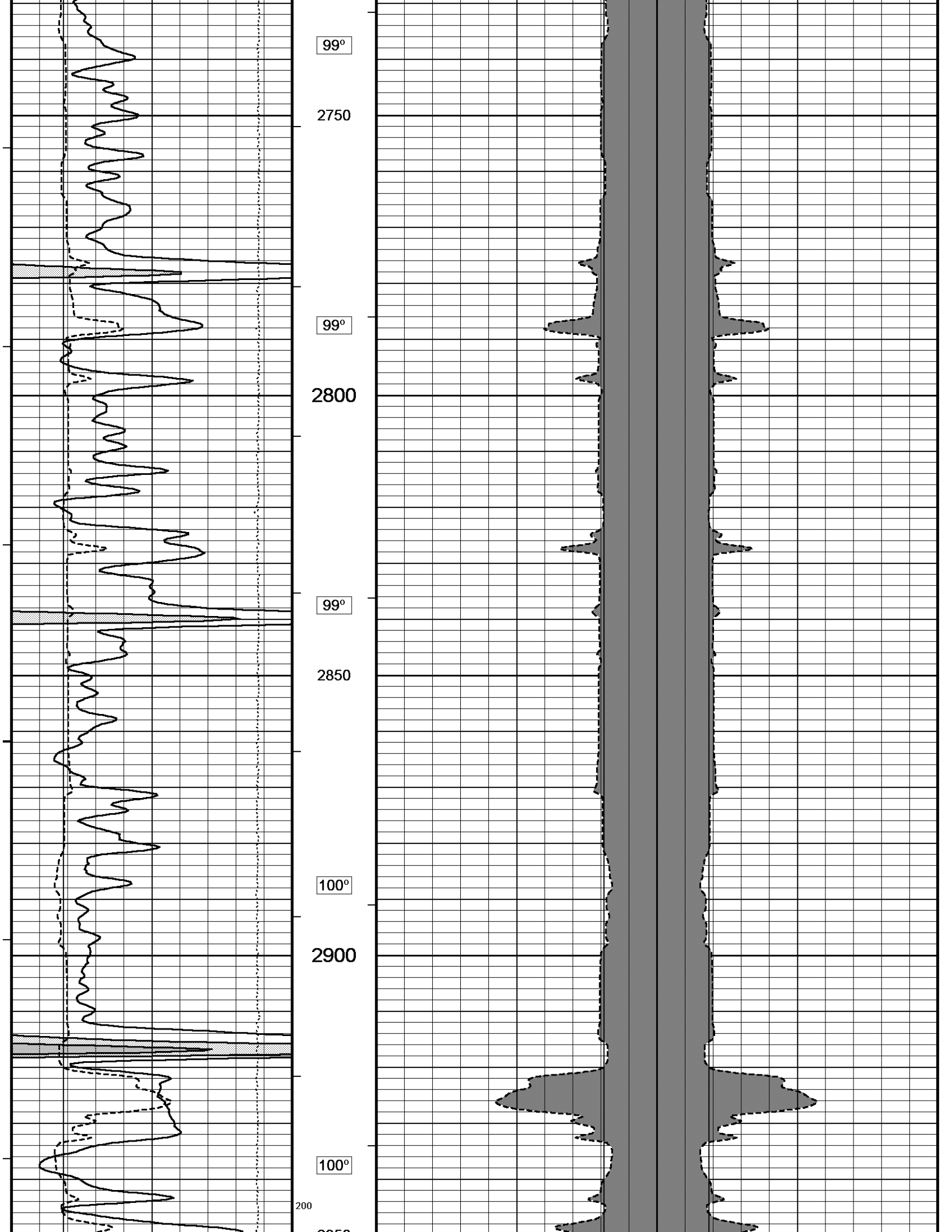


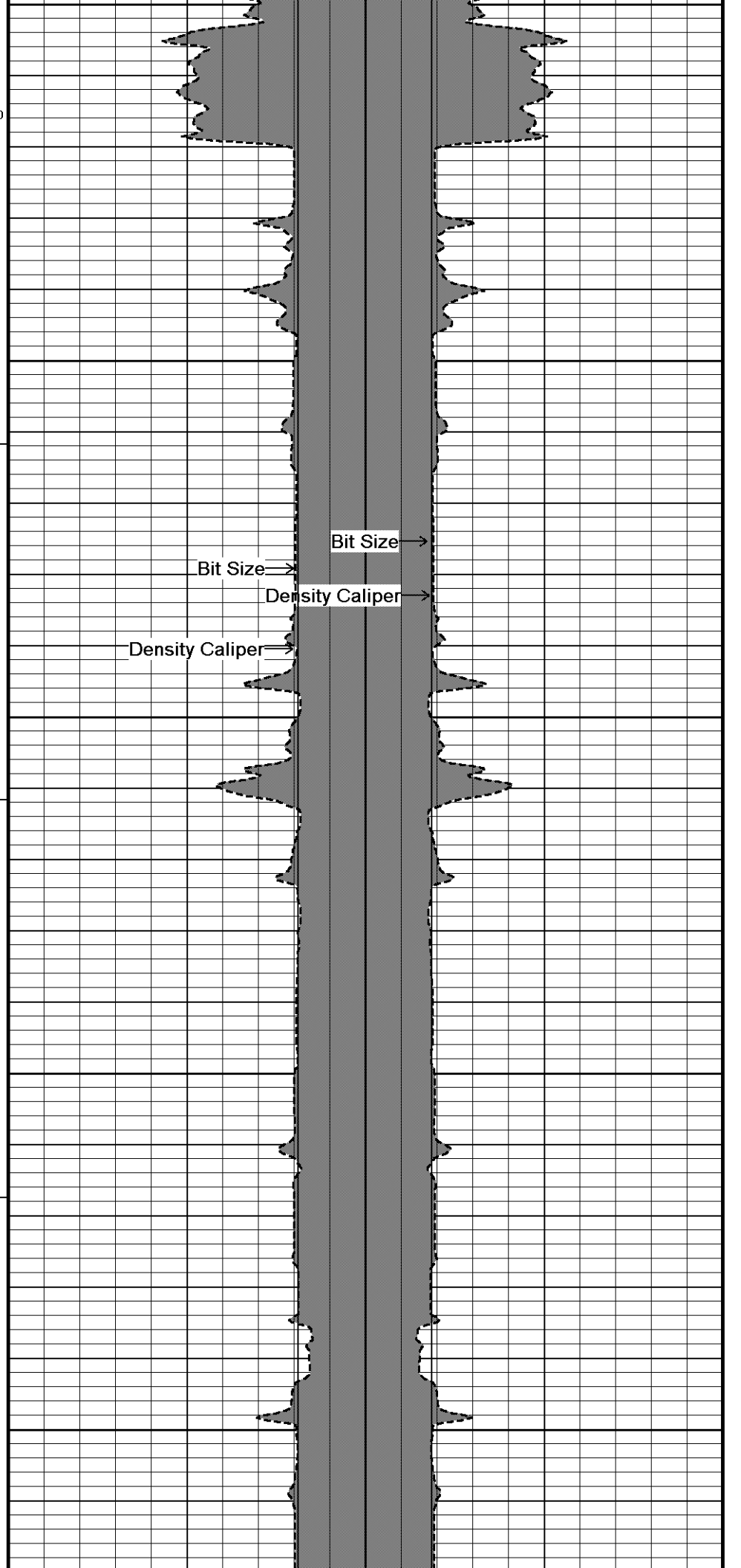
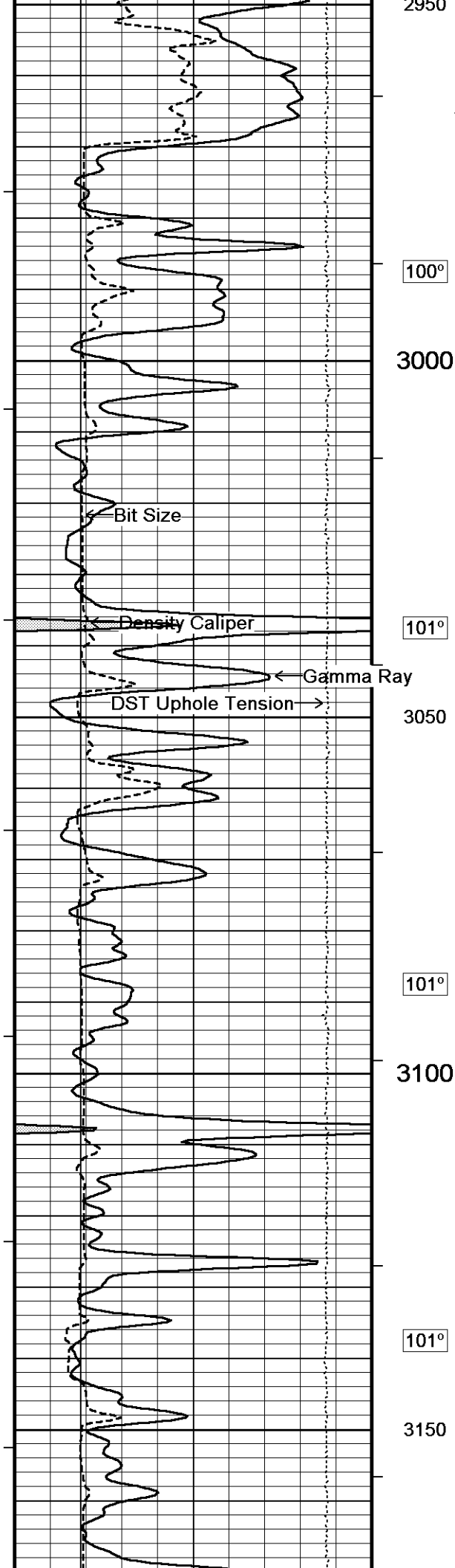


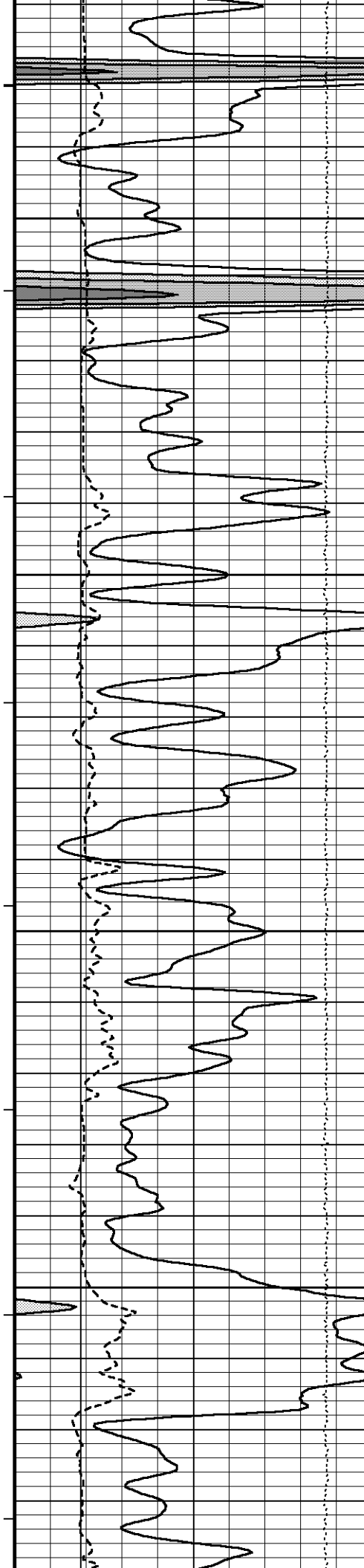




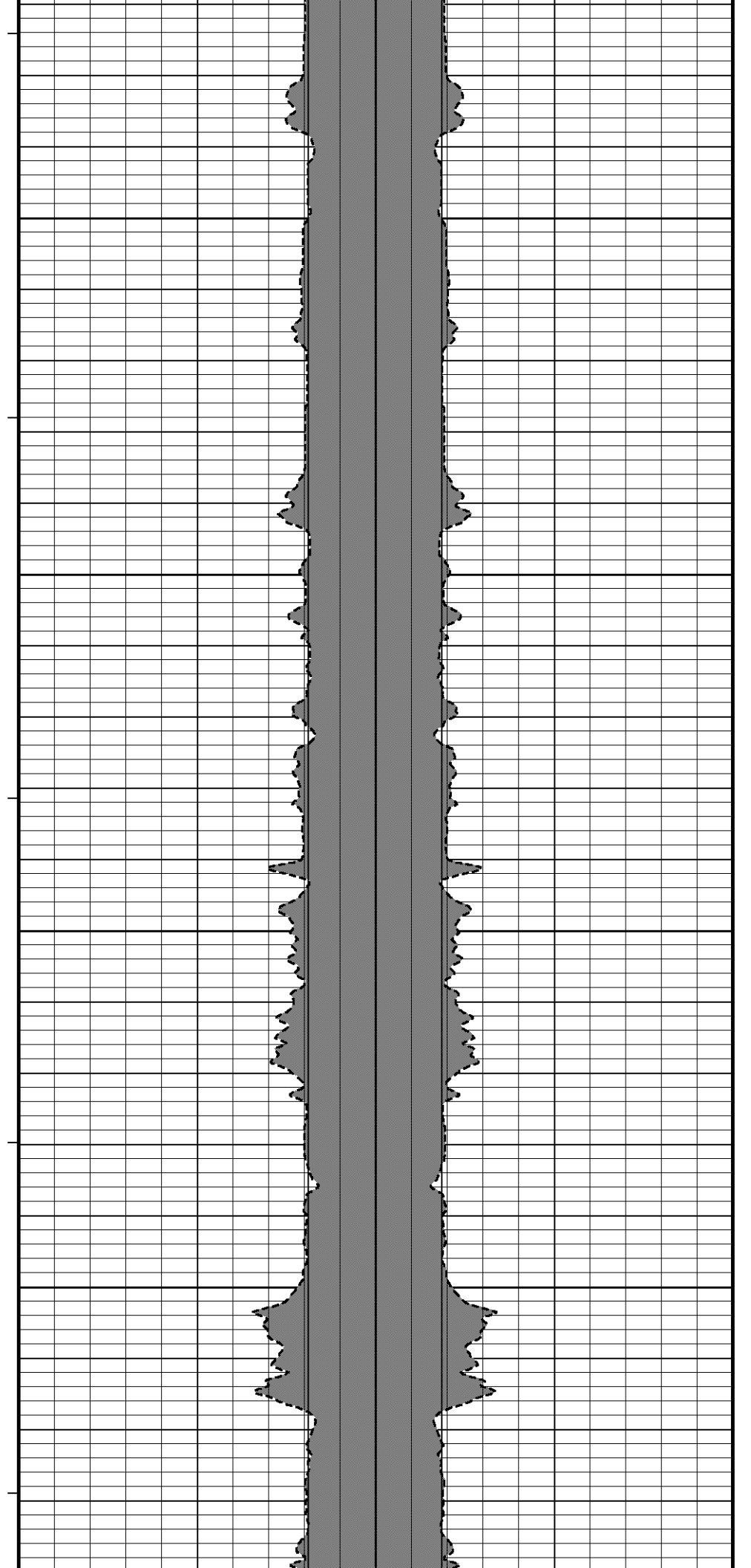


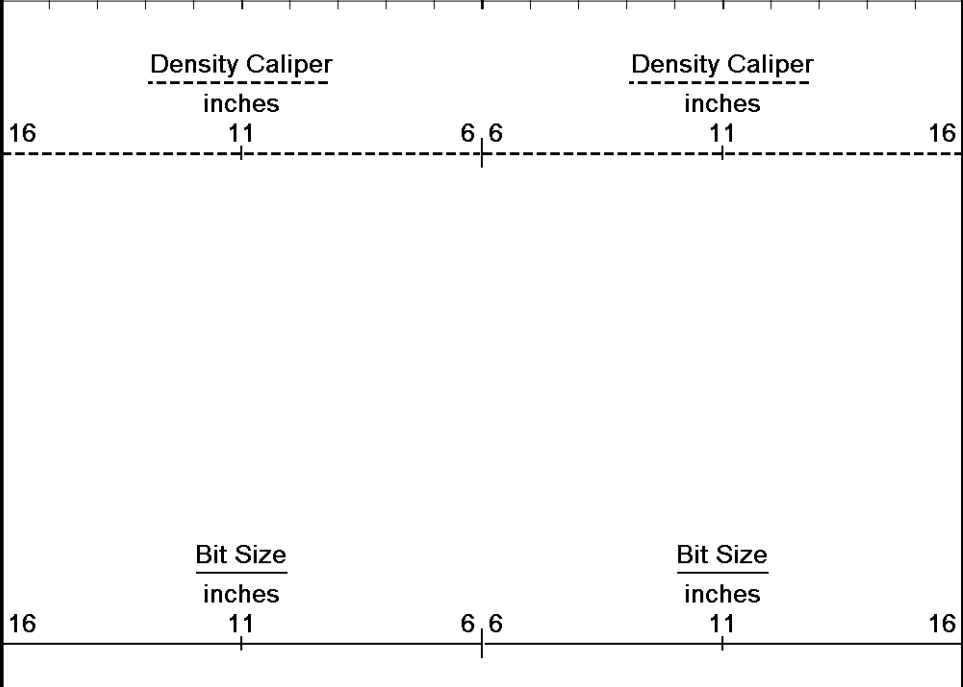
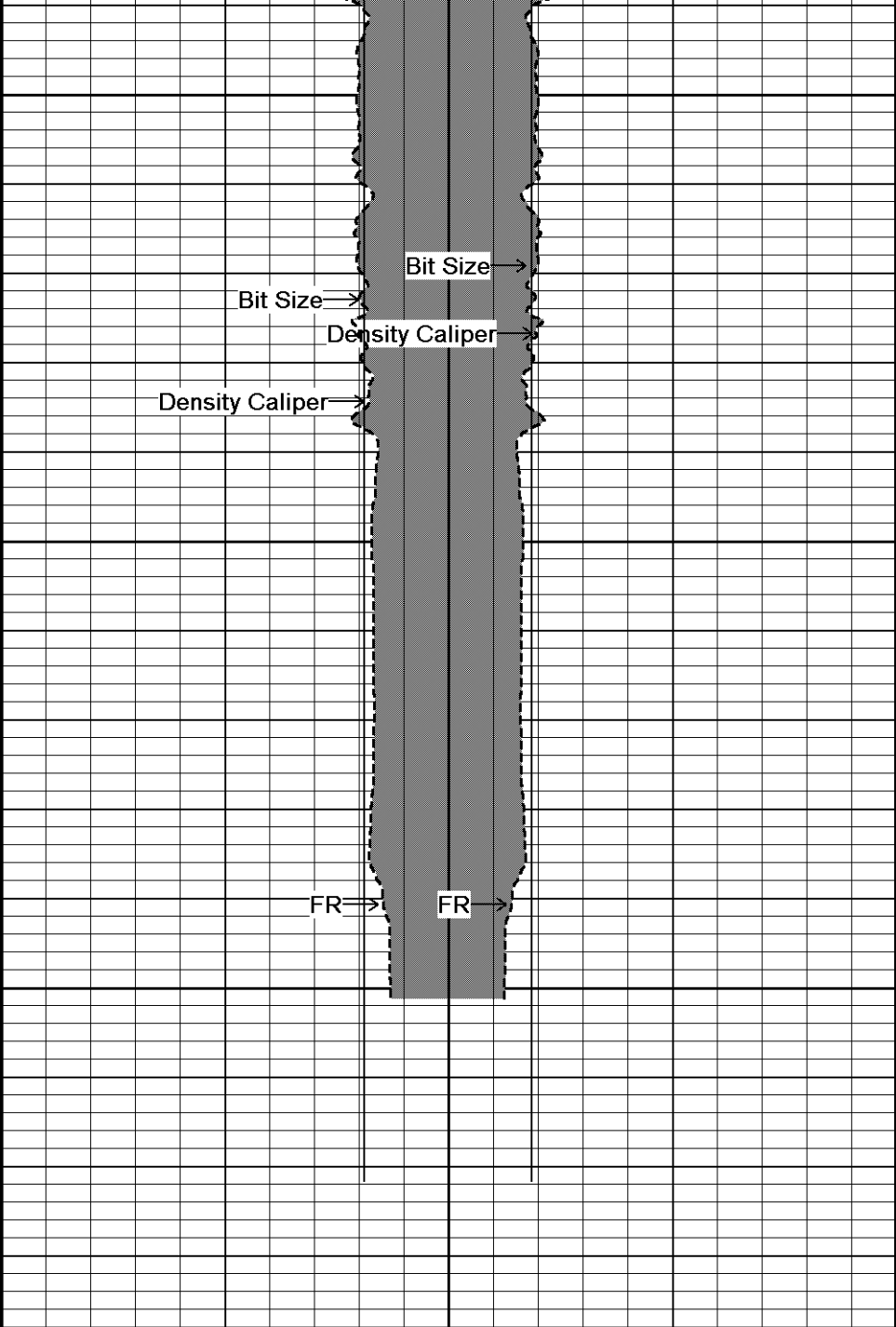
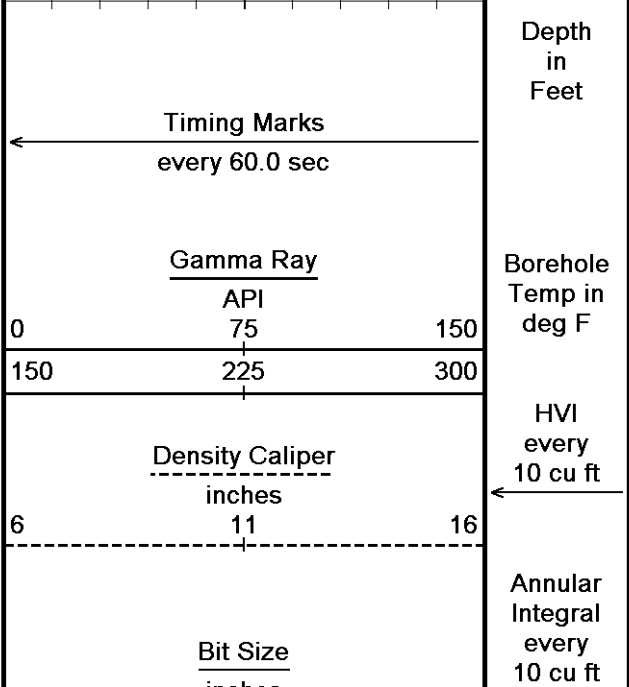
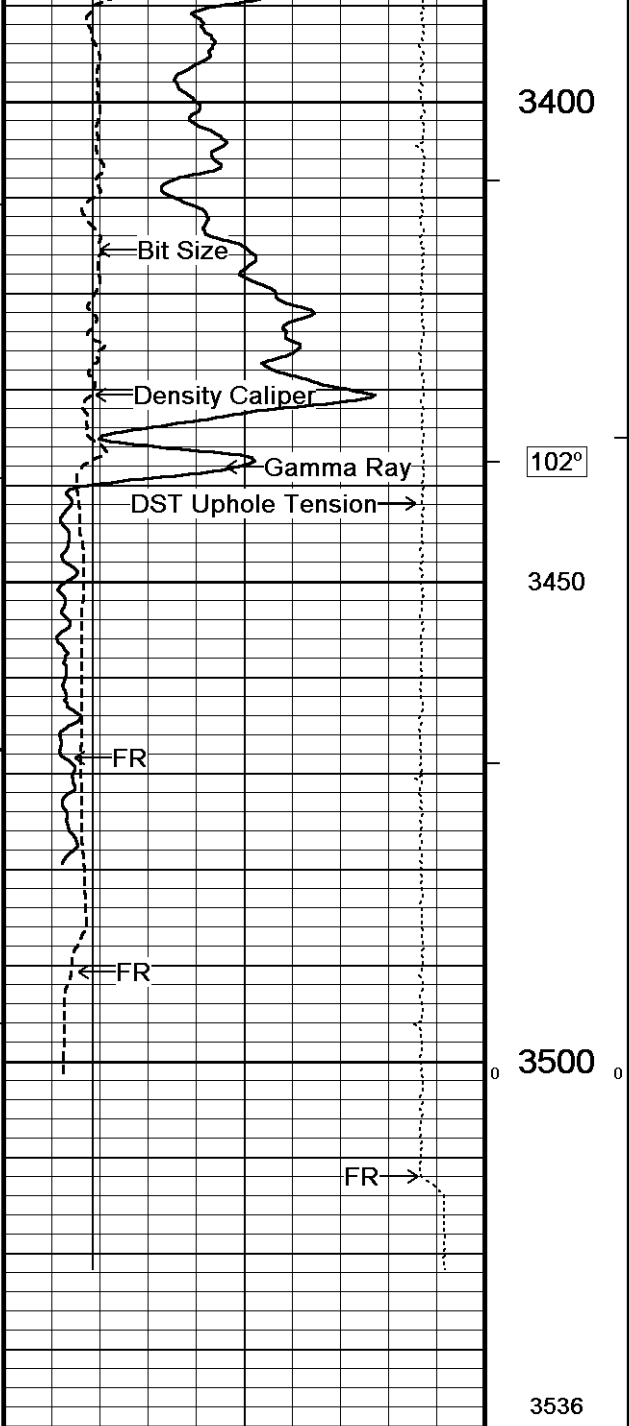






102°
3200
100
102°
3250
102°
3300
102°
3350
103°



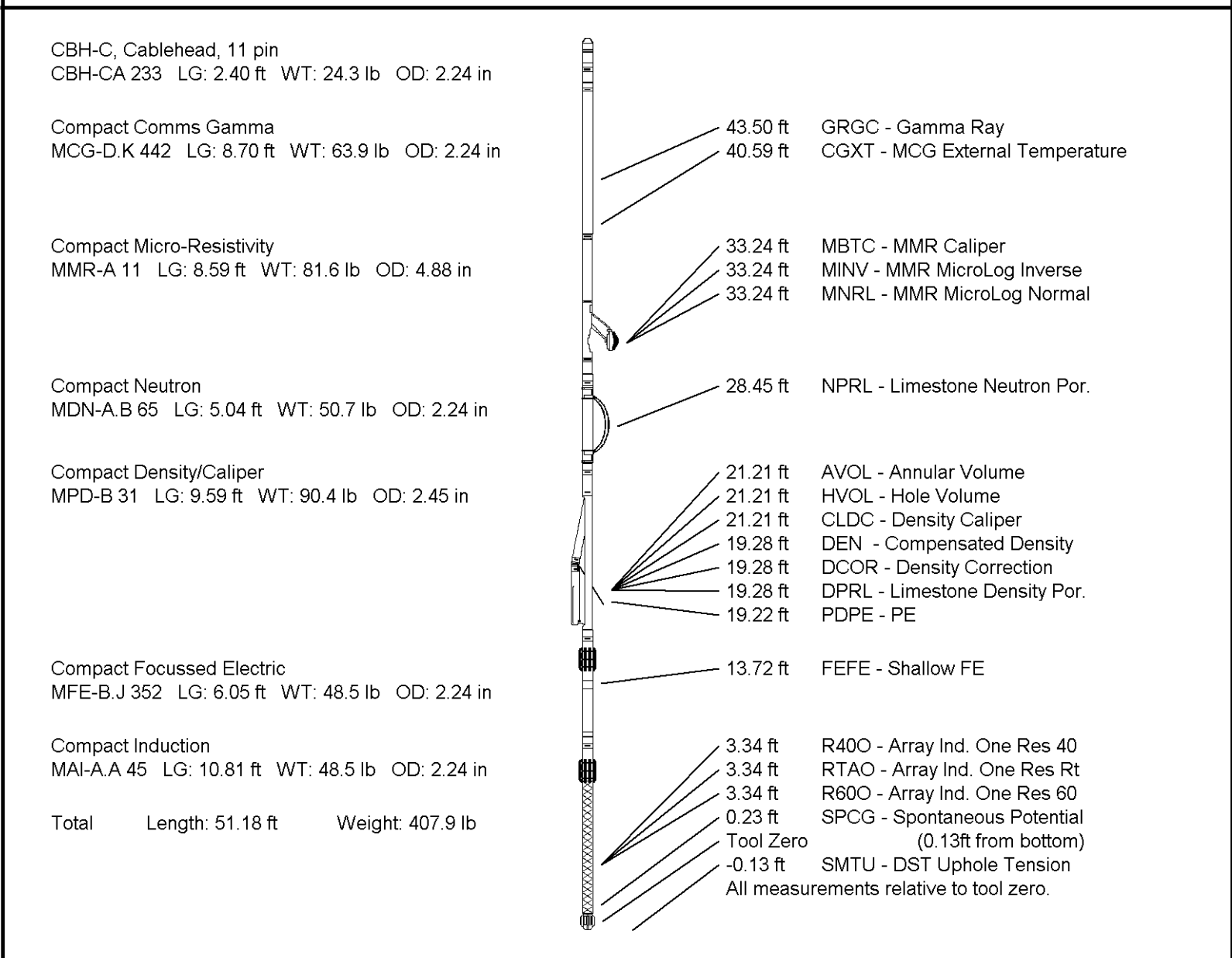




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5 INCH CALIPER LOG

DOWNHOLE EQUIPMENT
C:\Minimus 13.05.9583\Logs\O'Brien Resources Bar S Ranch 28 #1\O'Brien Resources Bar S Ranch 28 #1 REPEAT.dta



COMPANY	O'BRIAN RESOURCES, LLC
WELL	BAR S RANCH 28 #1
FIELD	WILDCAT
PROVINCE/COUNTY	RUSSELL
COUNTRY/STATE	USA - OKLAHOMA

COUNTRY/STATE			U.S.A. / KANSAS		
Elevation Kelly Bushing	1741.00	feet	First Reading	3493.00	feet
Elevation Drill Floor	1740.00	feet	Depth Driller	3518.00	feet
Elevation Ground Level	1730.00	feet	Depth Logger	3512.00	feet



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