



Weatherford

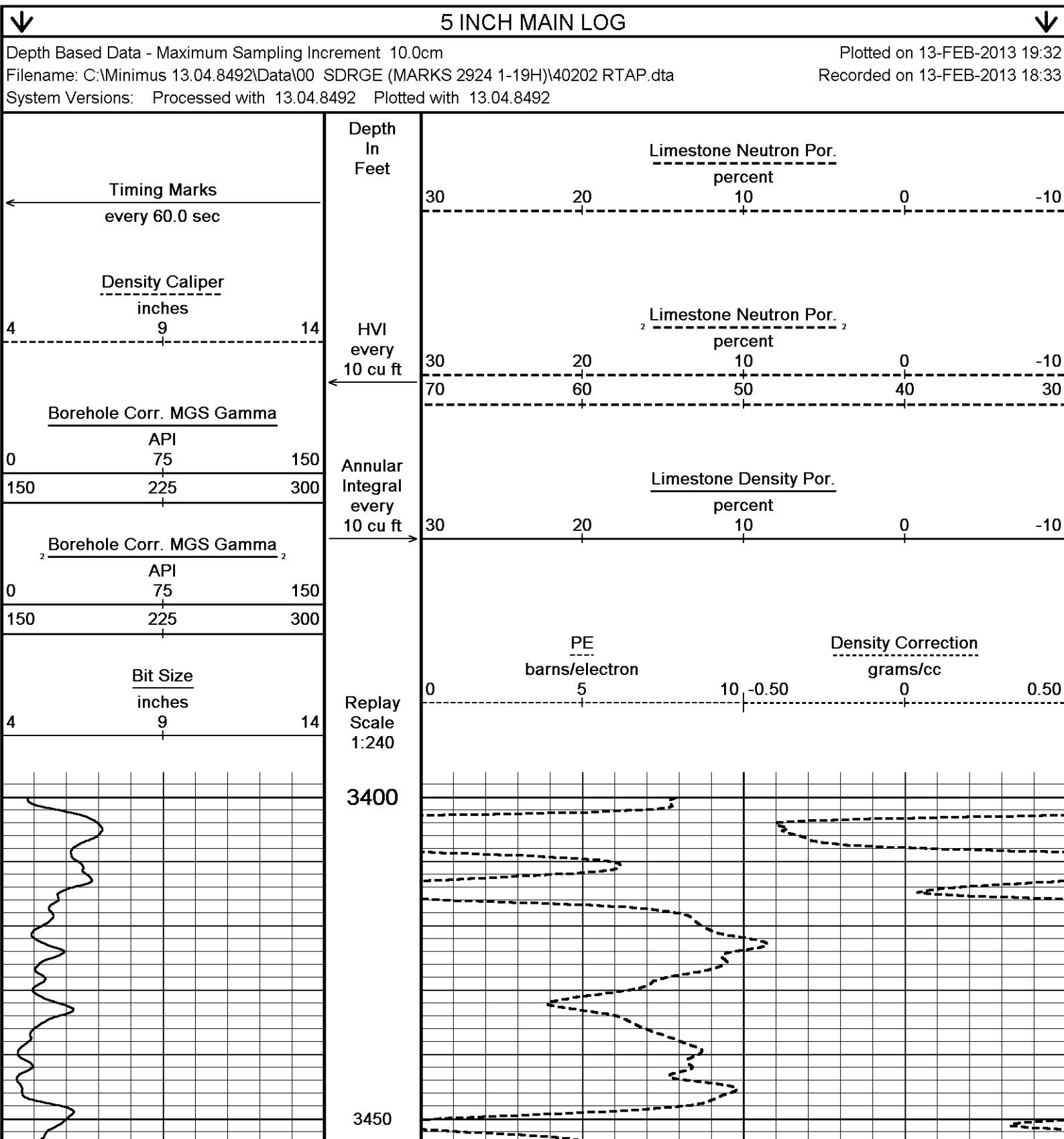
**CML MESSENGER SHUTTLE
COMPACT PHOTO DENSITY
COMPENSATED NEUTRON LOG**

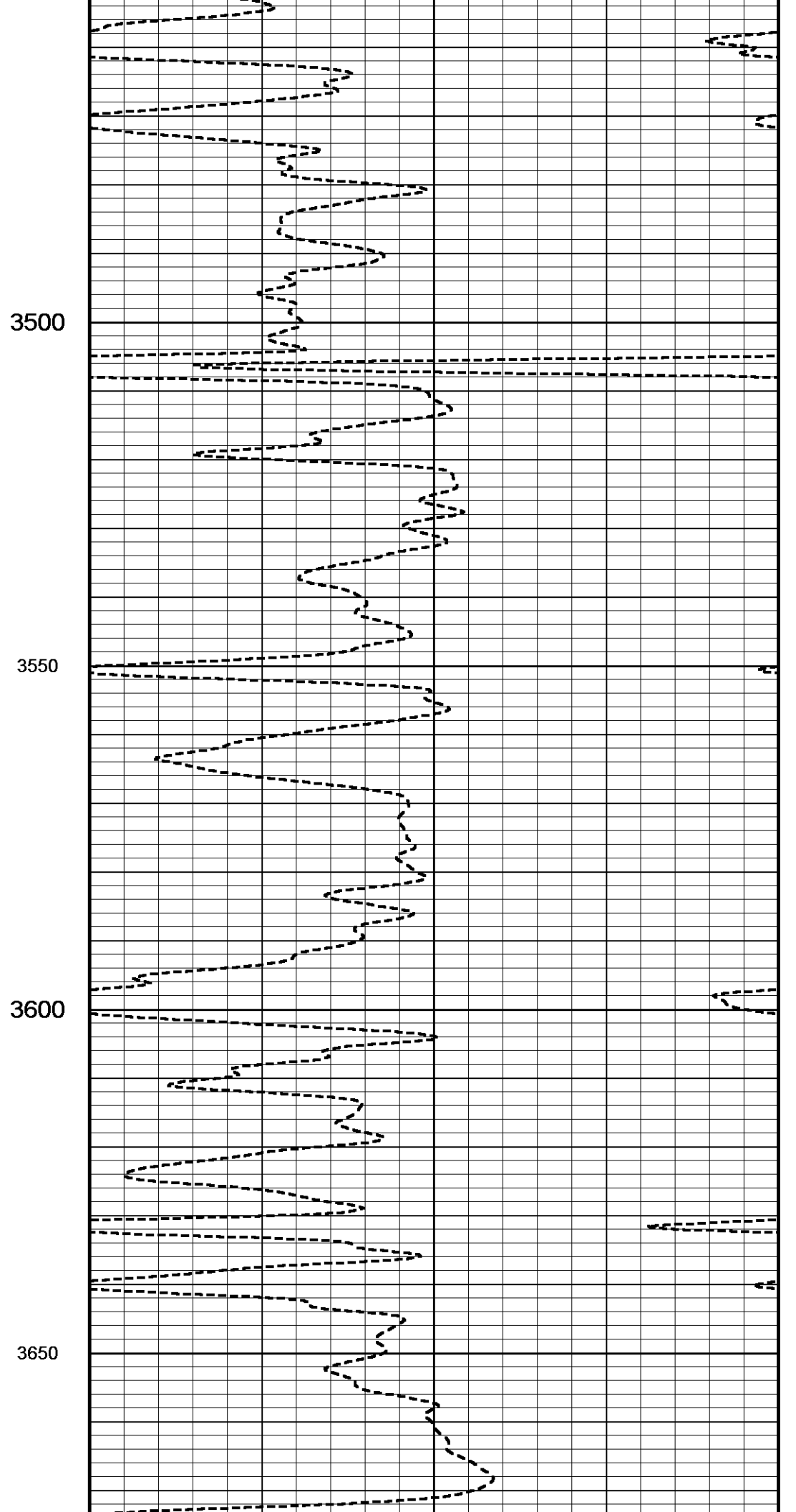
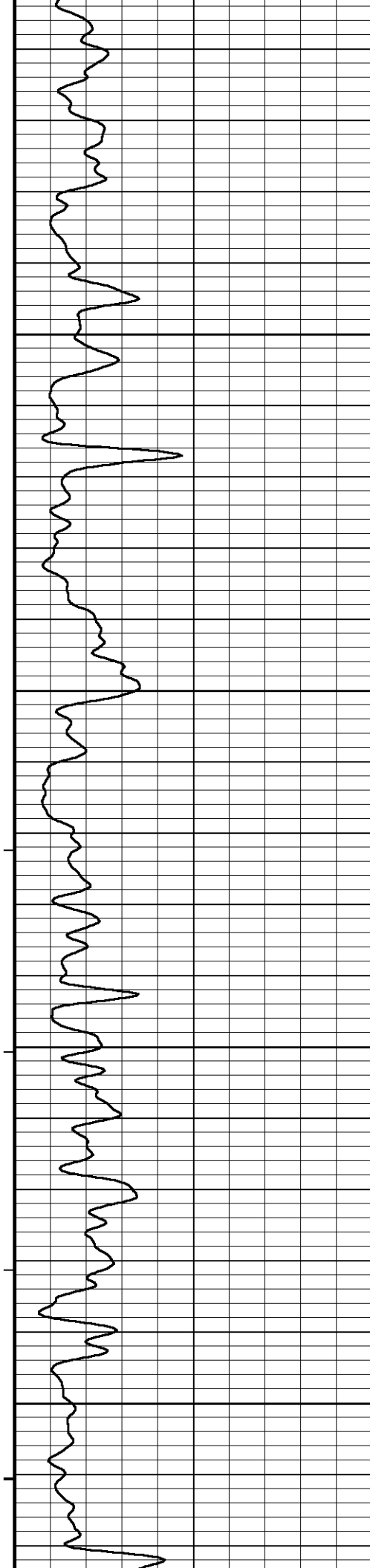
COMPANY		SANDRIDGE ENERGY			
WELL		MARKS 2924 1-19H			
FIELD		MISSISSIPPIAN / ST. LOUIS			
PROVINCE/COUNTY		FORD			
COUNTRY/STATE		USA / KANSAS			
LOCATION		SHL: 200' FNL & 920' FEL BHL: 330' FSL & 920' FWL			
SEC	TWP	RGE	Other Services		
19	29S	24W	MAI		
API Number		15-057-20871-01		CMI	
Permit Number					
Permanent Datum G.L., Elevation 2612 feet					
Log Measured From DF					
Drilling Measured From D.F. 19.6 FEET					
Date	13-FEB-2013				
Run Number	ONE				
Service Order	3539397				
Depth Driller	9720.00				feet
Depth Logger	9702.00				feet
First Reading	9642.00				feet
Last Reading	3400.00				feet
Casing Driller	5807.00				feet
Casing Logger	5807.00				inches
Bit Size	6.125				
Hole Fluid Type	WATER				
Density / Viscosity	9.05	lb/USg	37.00	CP	
PH / Fluid Loss	10.50		10.50		
Sample Source					
Rm @ Measured Temp	0.55 @ 50.0				ohm-m
Rmf @ Measured Temp	0.44 @ 50.0				ohm-m
Rmc @ Measured Temp	0.66 @ 50.0				ohm-m
Source Rmf / Rmc	CALC		CALC		
Rm @ BHT	0.20 @ 131.0				ohm-m
Time Since Circulation	0 HOURS				
Max Recorded Temp	131.00				deg F
Equipment / Base	18006		OKC		
Recorded By	D. ROWELL				
Witnessed By	M. RODEN				W. SCOTT
AFF #	DC12647				

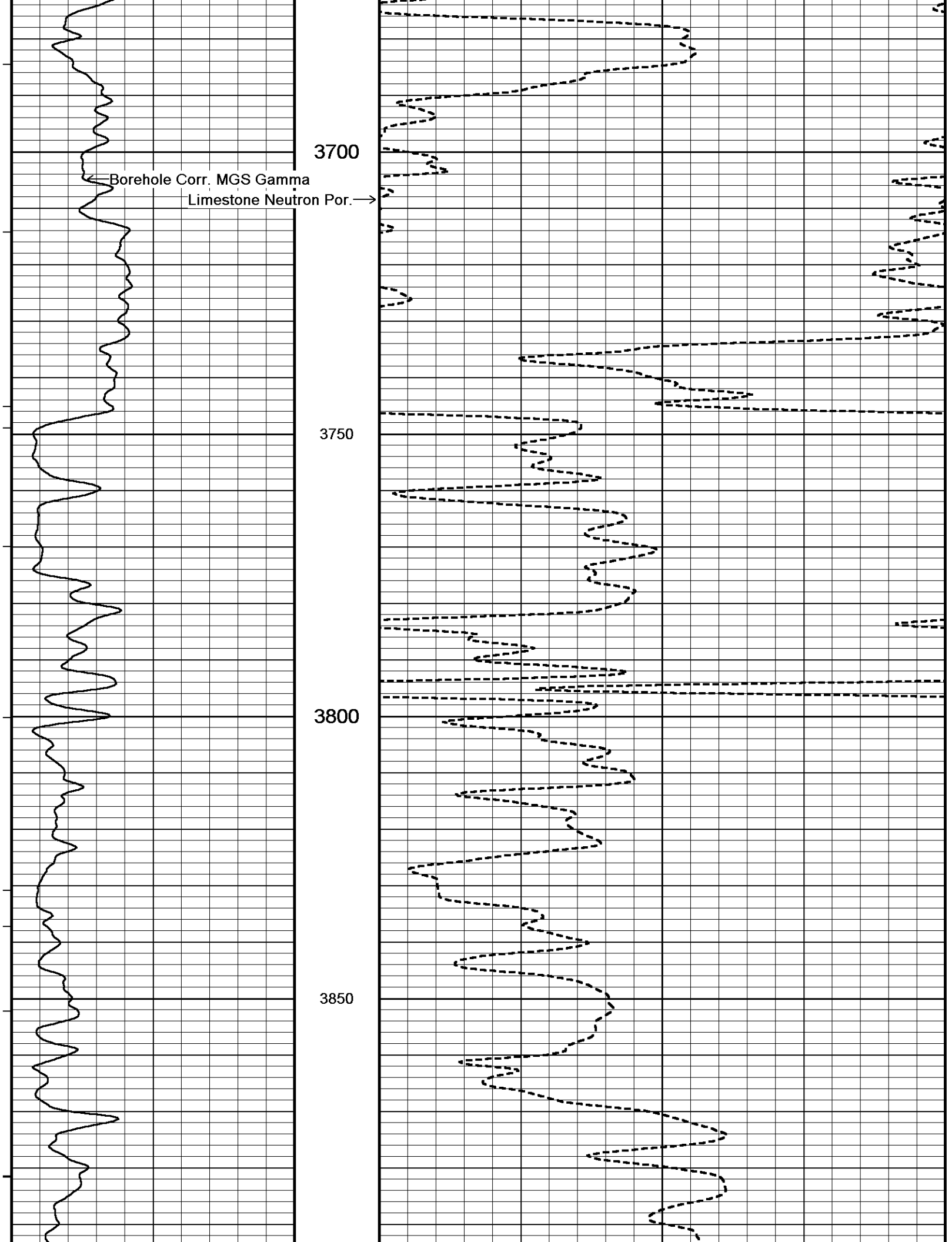
BOREHOLE RECORD			Last Edited: 13-FEB-2013 19:17	
Bit Size inches	Depth From feet	Depth To feet		
8.750	0.00	5708.00		
6.125	5708.00	9720.00		
CASING RECORD				
Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
INTERMED	7.000	0.00	5708.00	26.00

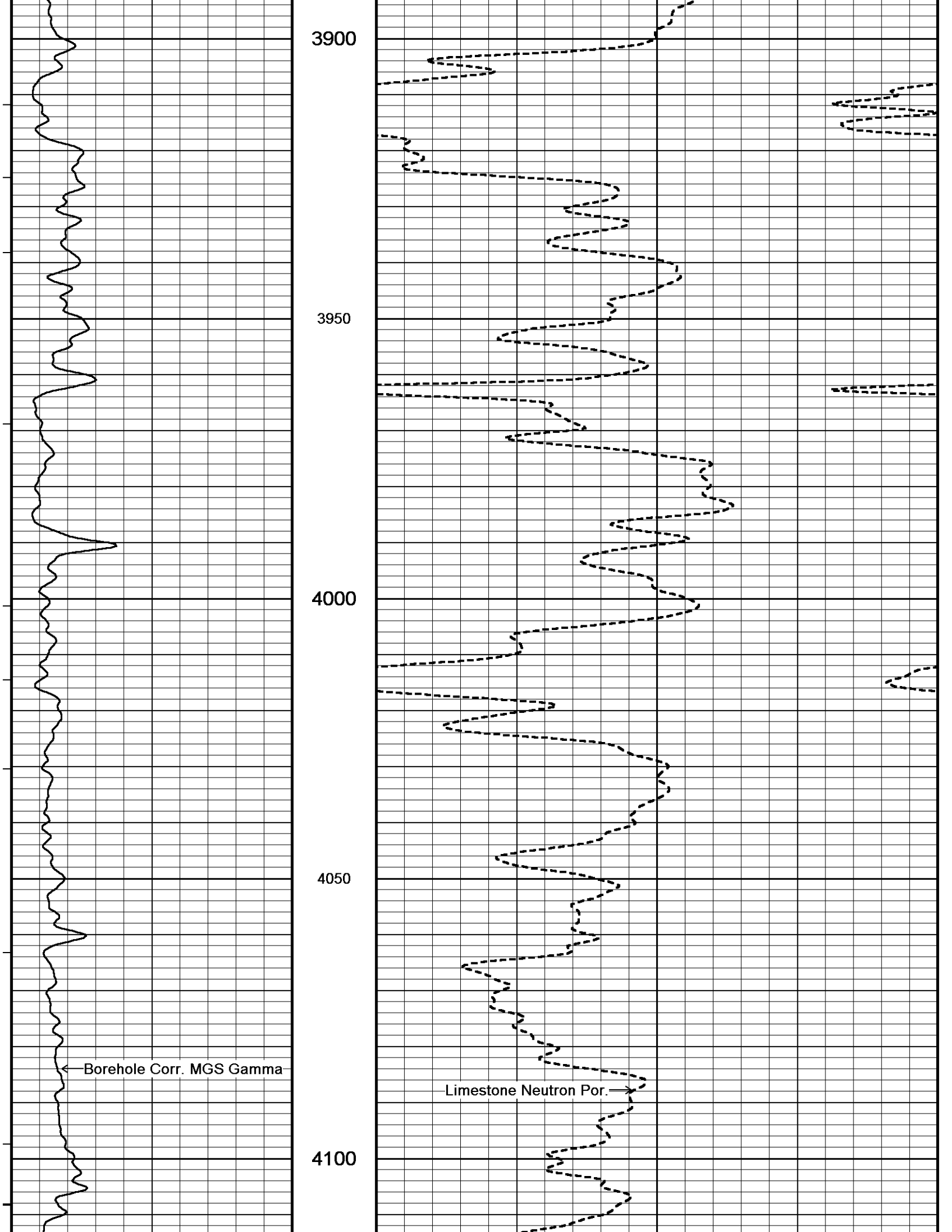
REMARKS
LOGGED WITH WLS VER 13.04.8492 SOFTWARE
WELL LOGGED USING MESSENGER METHOD OF DEPLOYMENT, AND MEMORY LOGGING SYSTEM
HARDWARE: MAI: ISA STANDOFF BELOW MPD: 4"PROFILE PLATE, MIS-A SINGLE SPRING DECENTRALIZER BELOW MDN: MISD DOUBLE SPRING DECENTRALIZER RAN ABOVE
2.71 G/CC DENSITY MATRIX USED TO CALCULATE POROSITY ALL INTERVALS LOGGED AND SCALED PER CUSTOMER REQUEST
DRILL PIPE DEPTH DURING DEPLOYMENT - 9598 LOGGING TOOL DEPTH AFTER DEPLOYMENT: 9702
4.5" CASING USED TO CALCULATE AHV

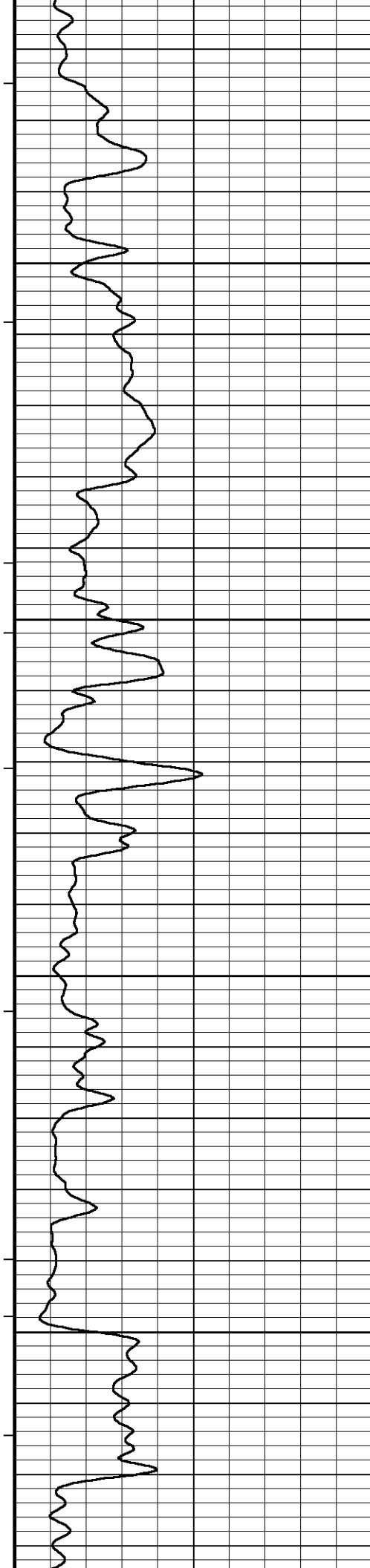
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs,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









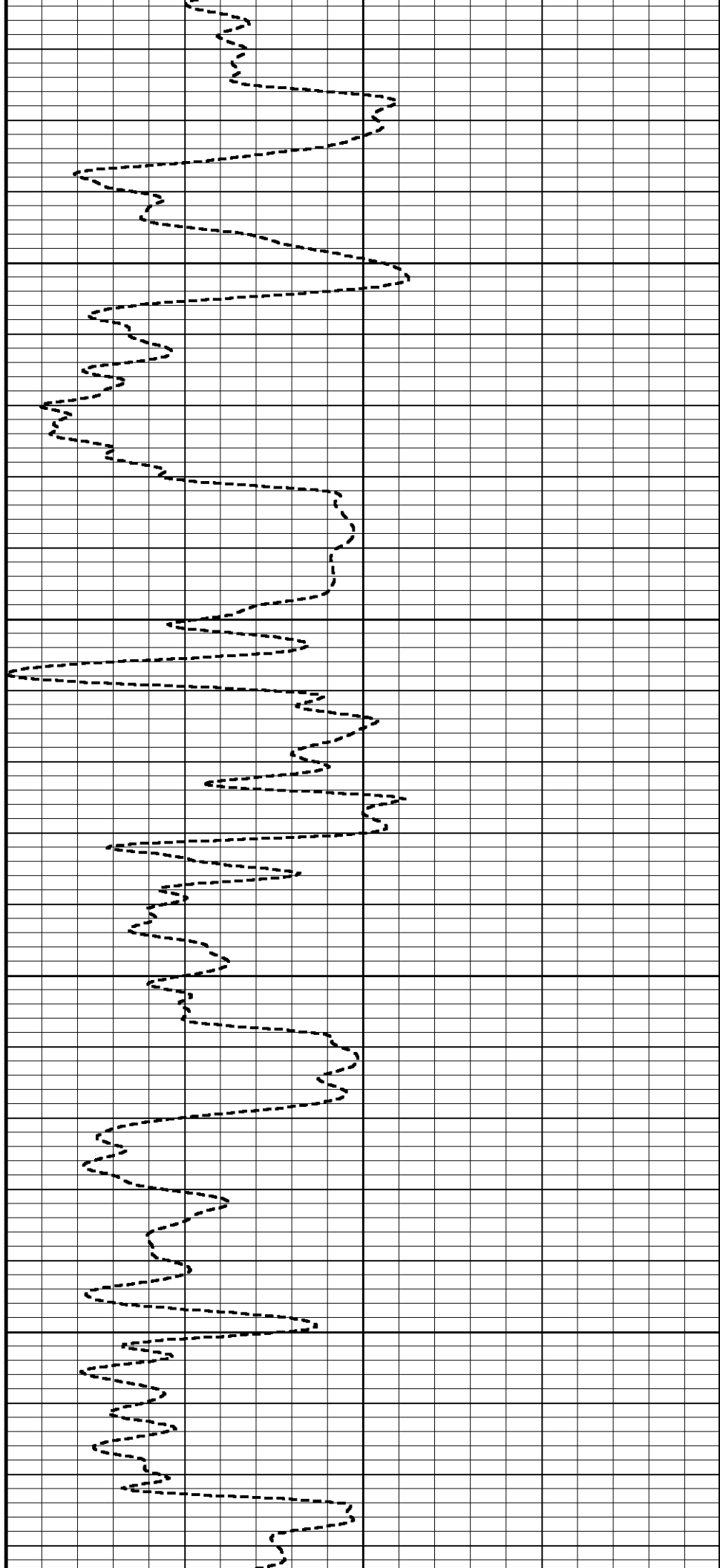


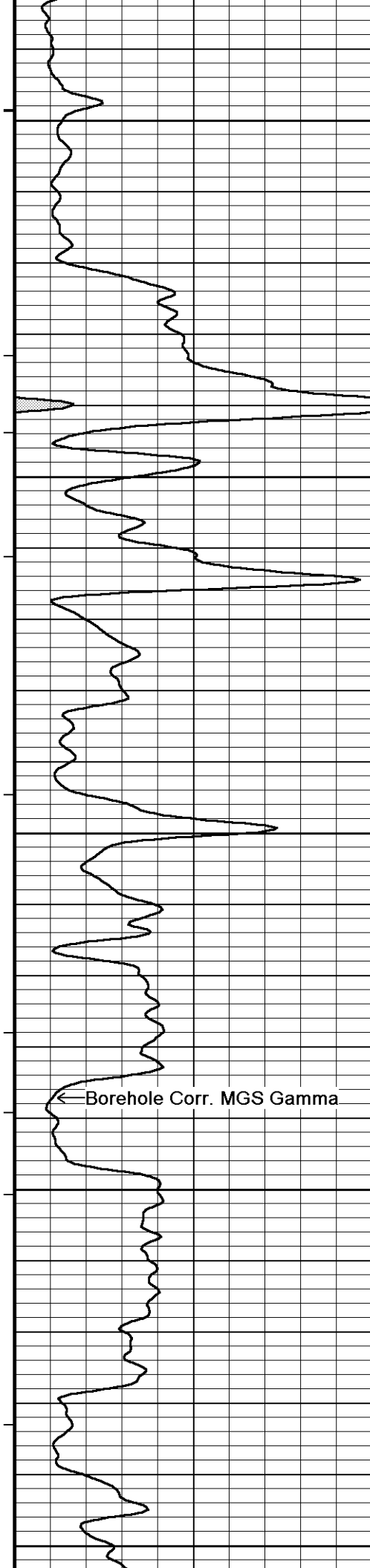
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4200

4250

4300





4350

4400

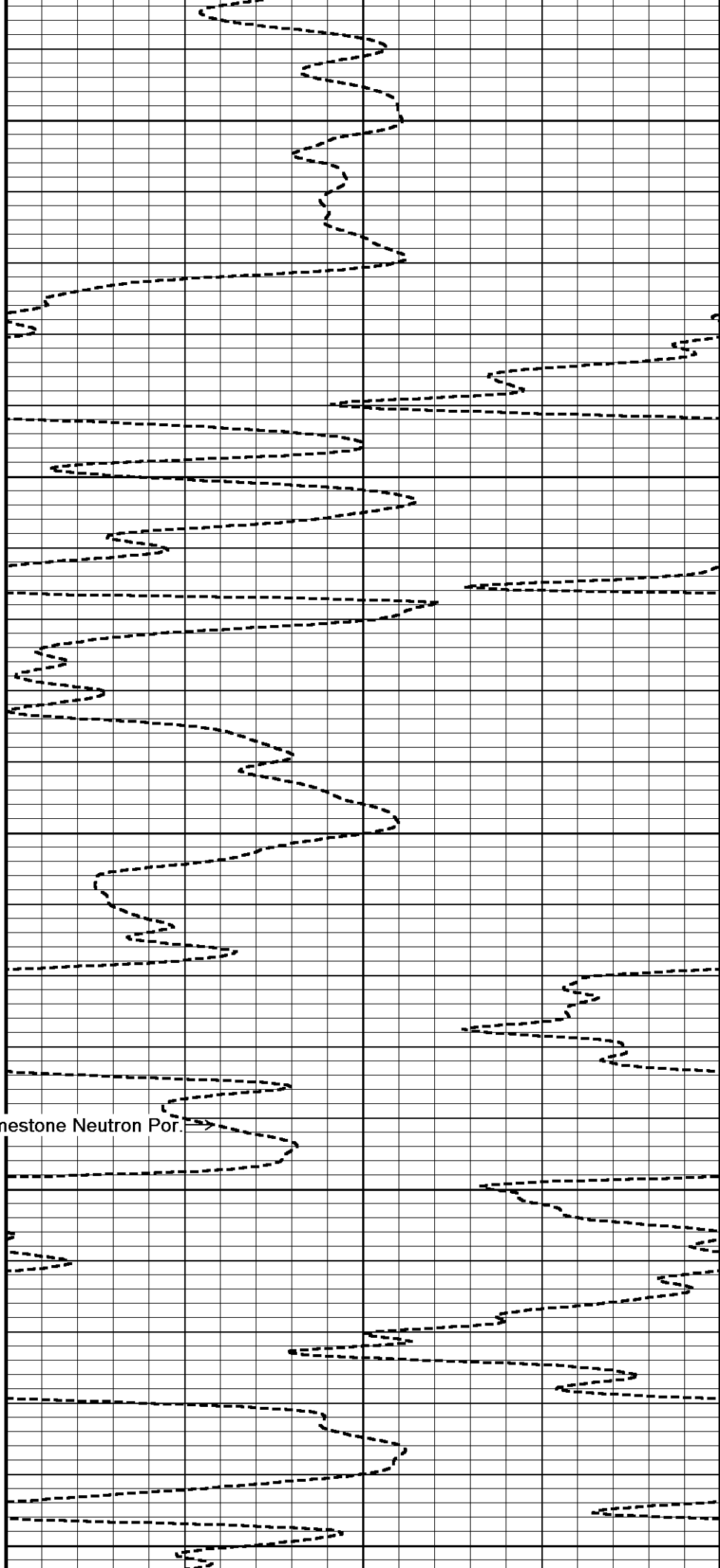
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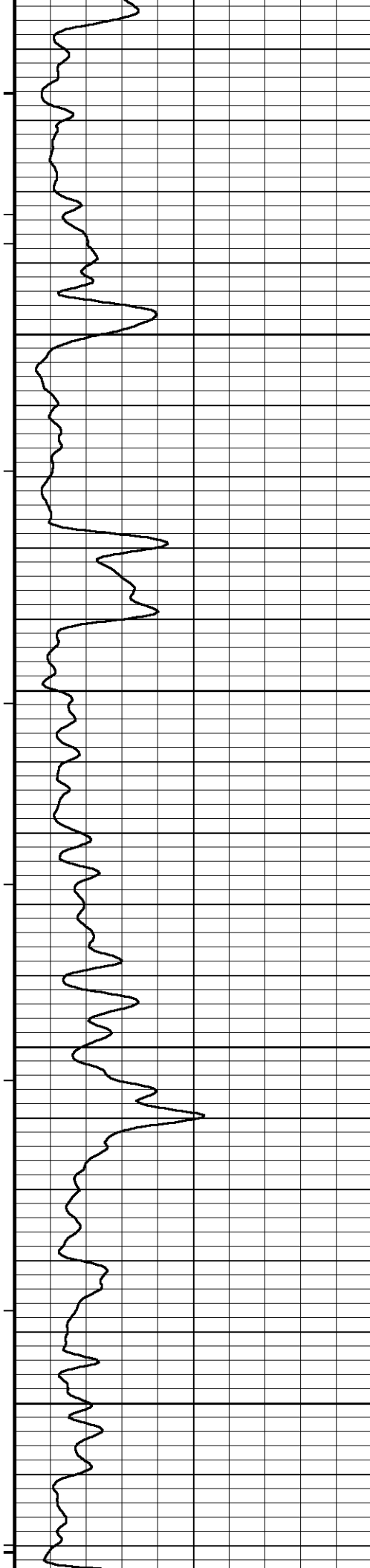
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← Borehole Corr. MGS Gamma

Limestone Neutron Por. →



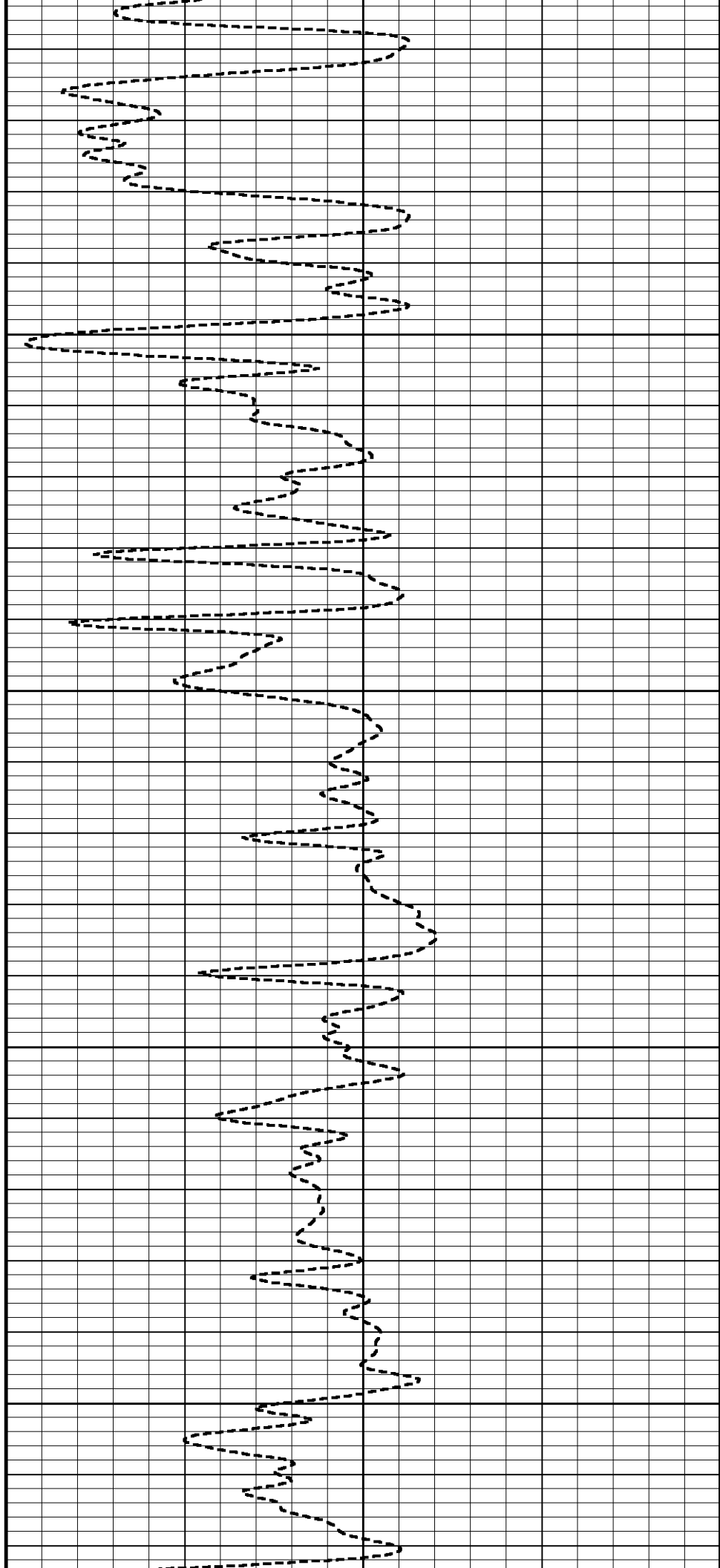


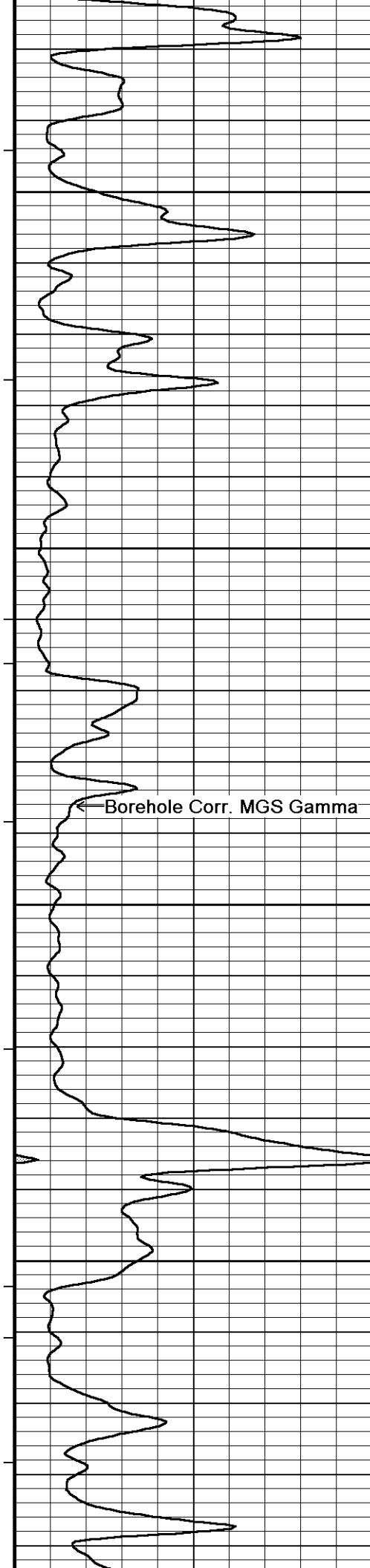
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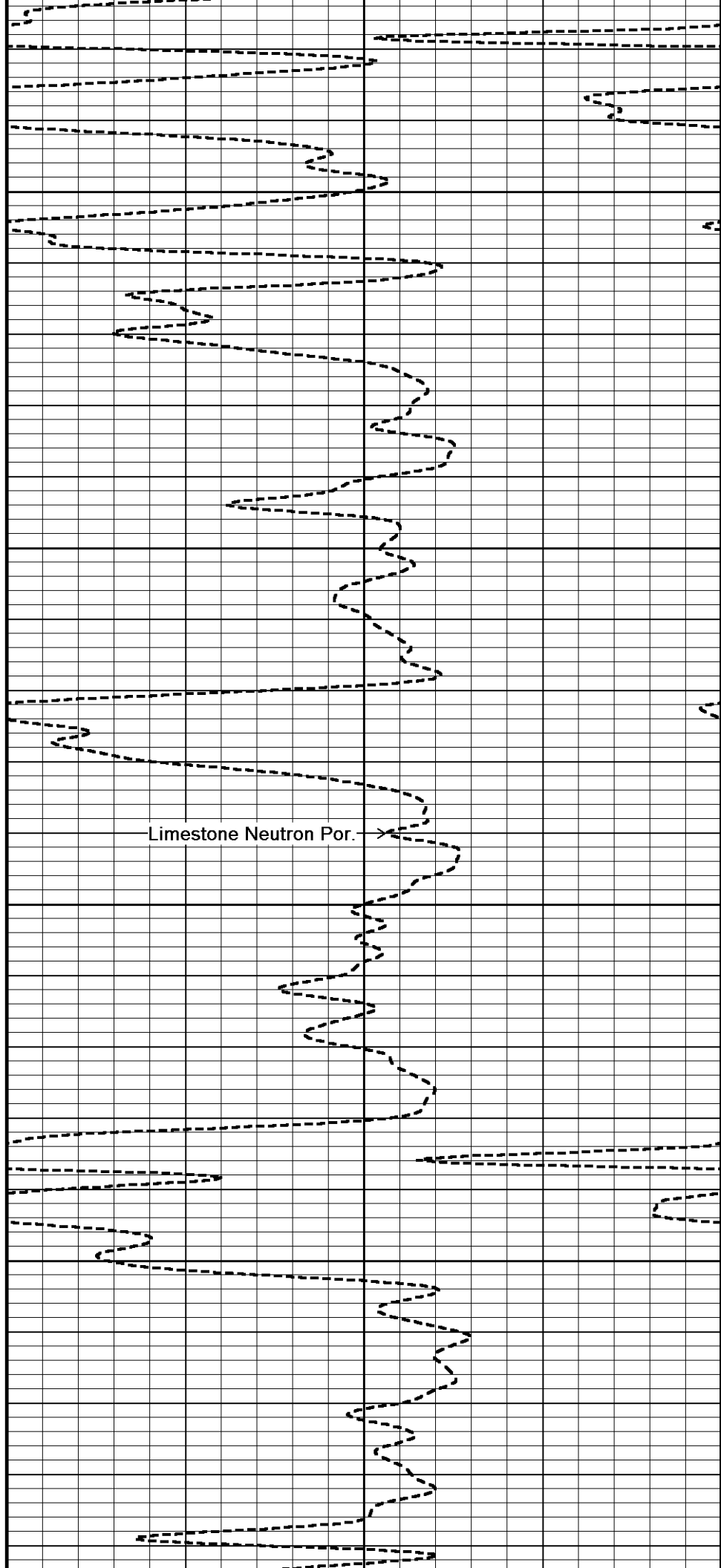
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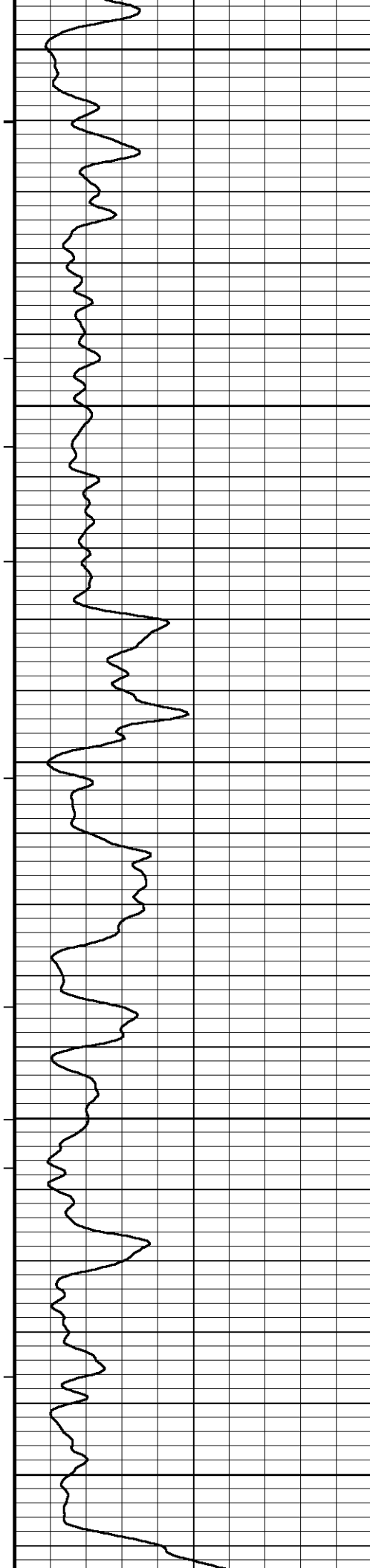
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← Borehole Corr. MGS Gamma



Limestone Neutron Por. →



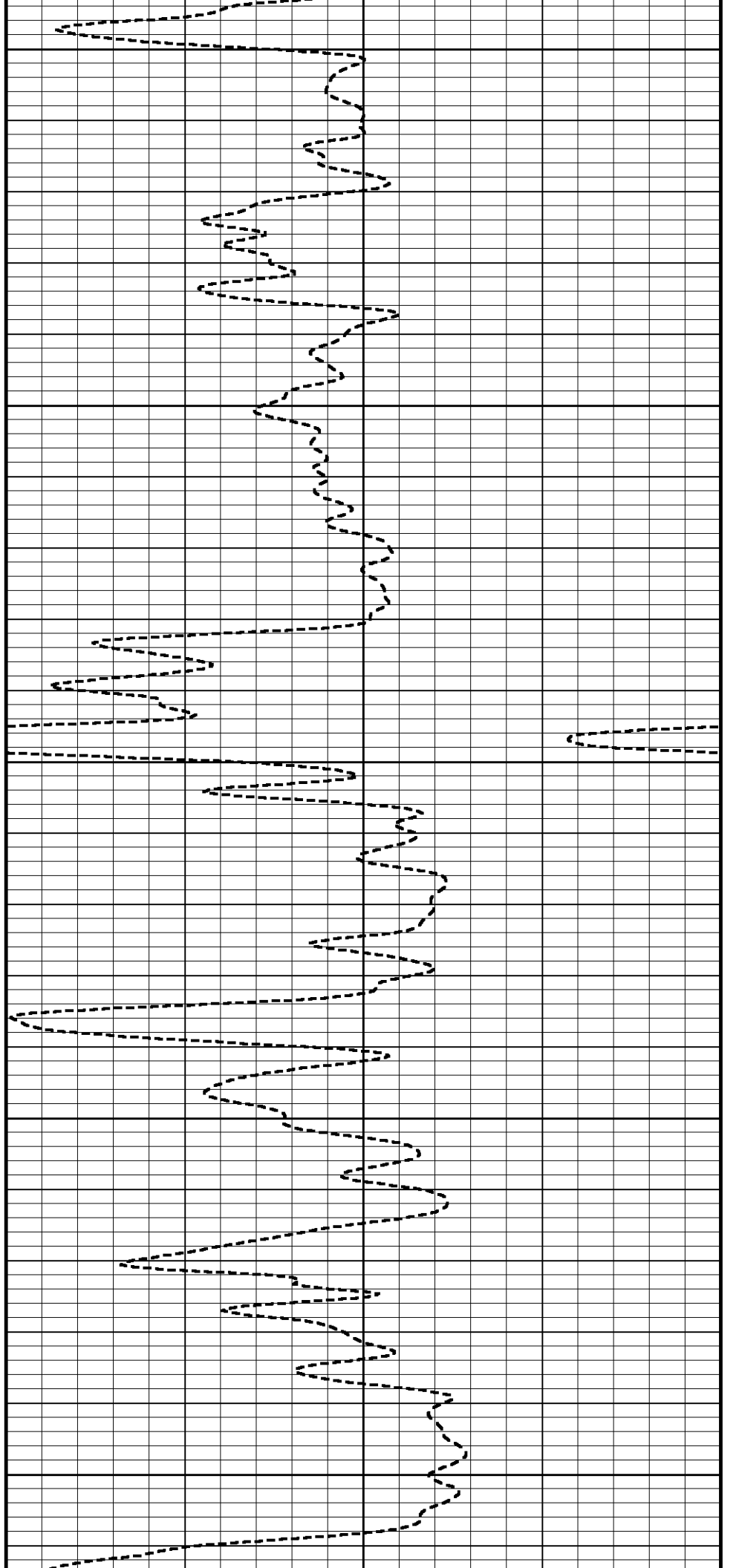
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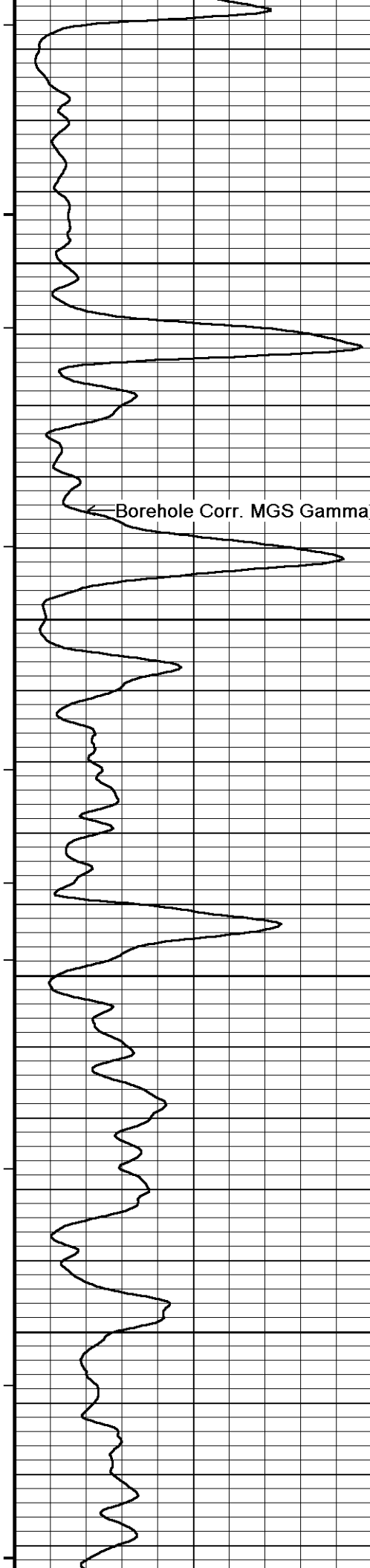
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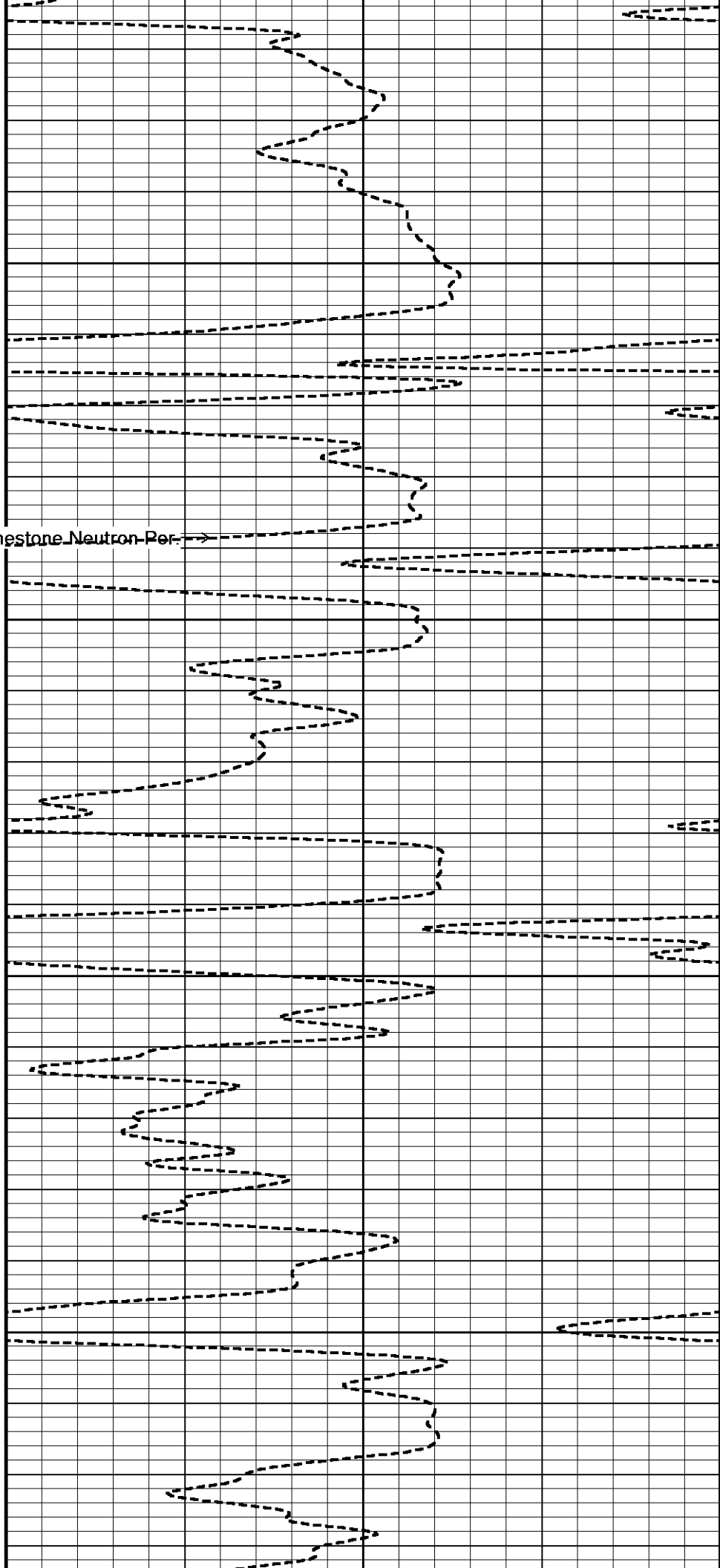
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5400

Limestone Neutron Porosity





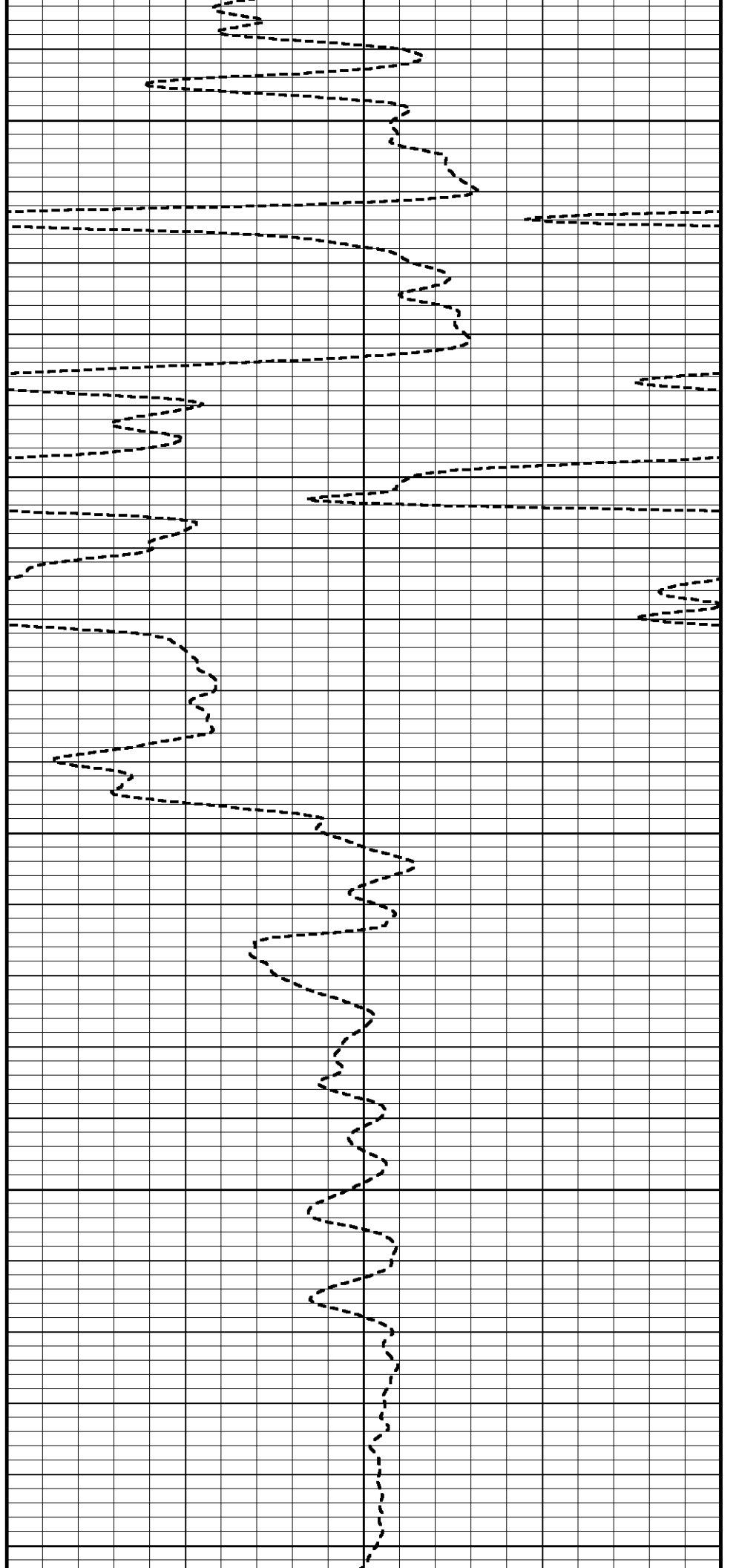
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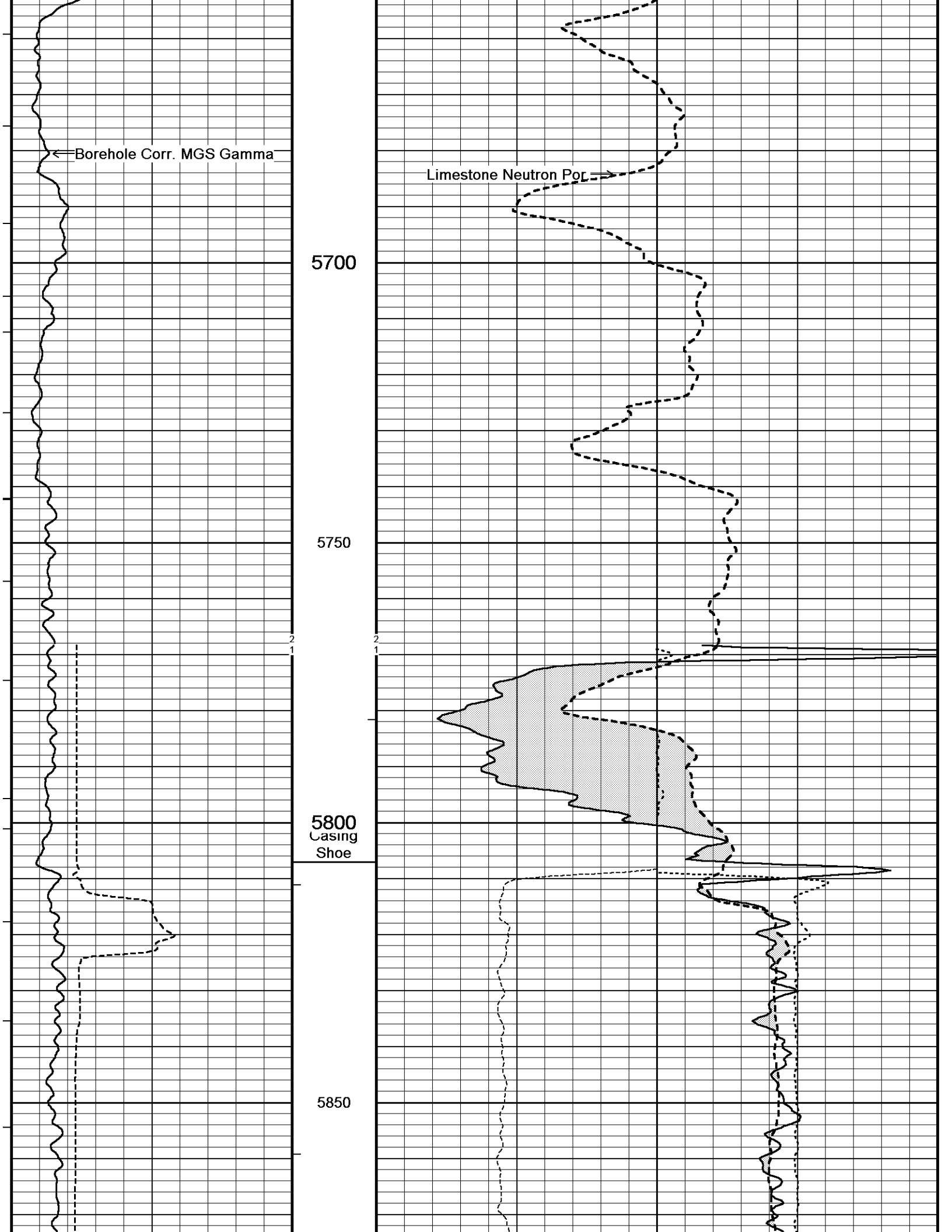
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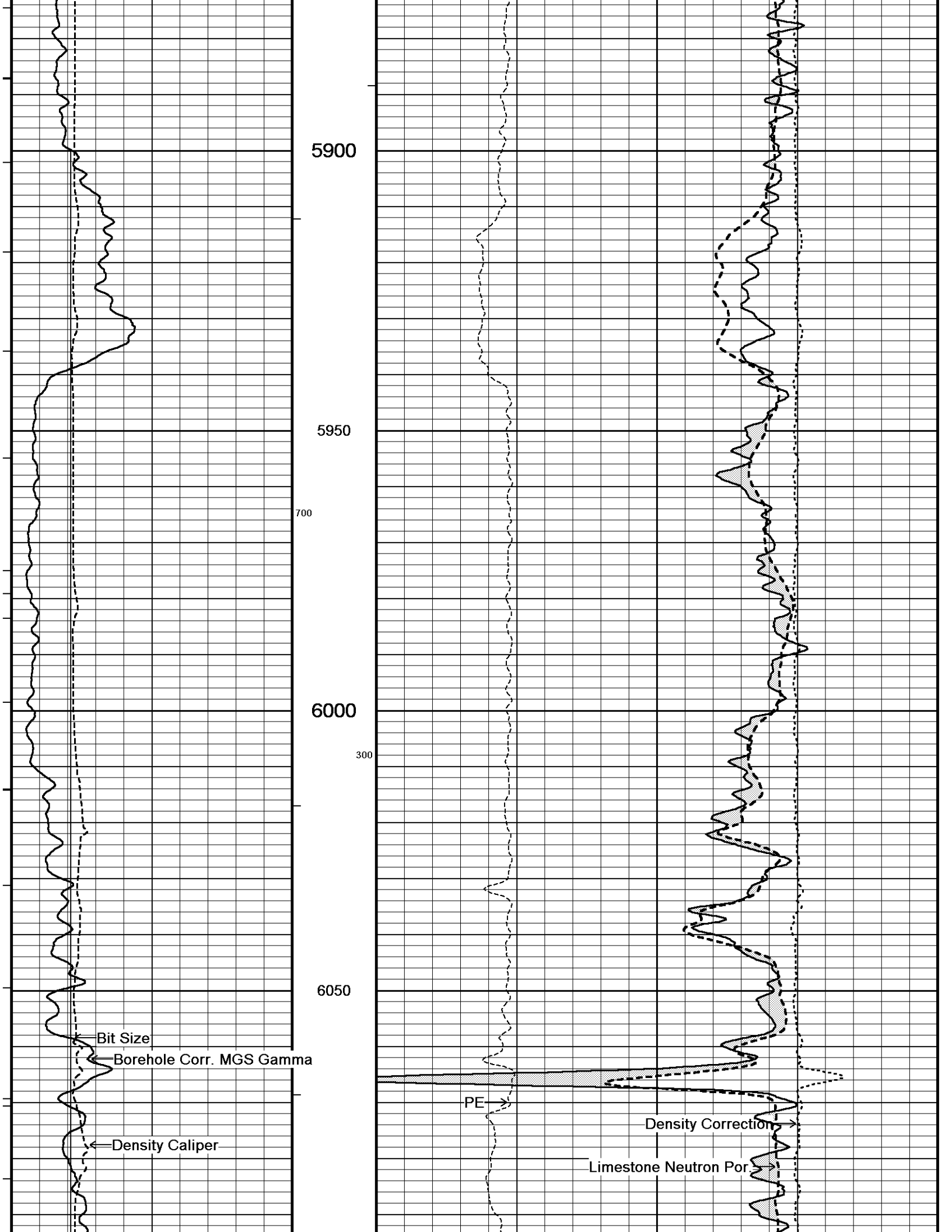
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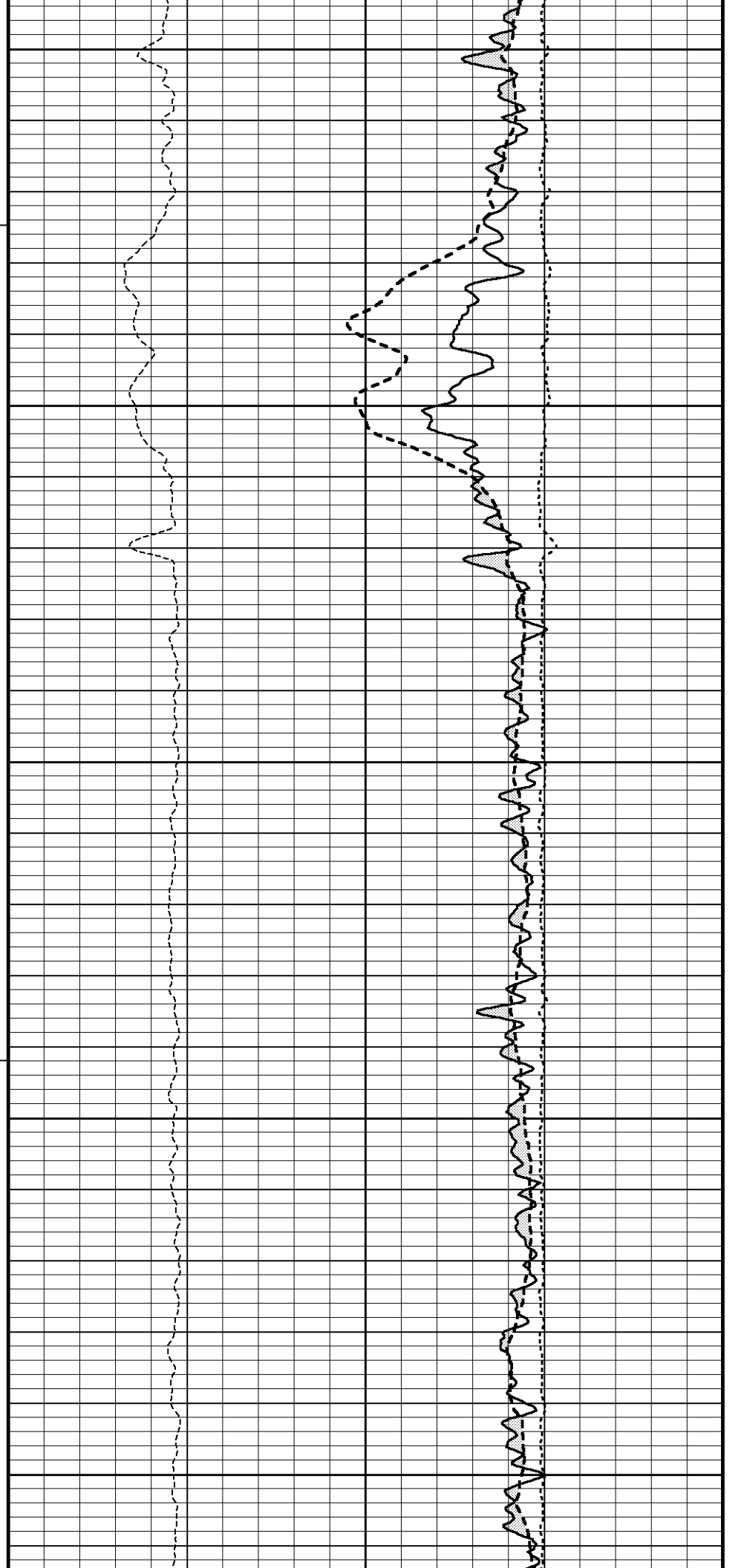
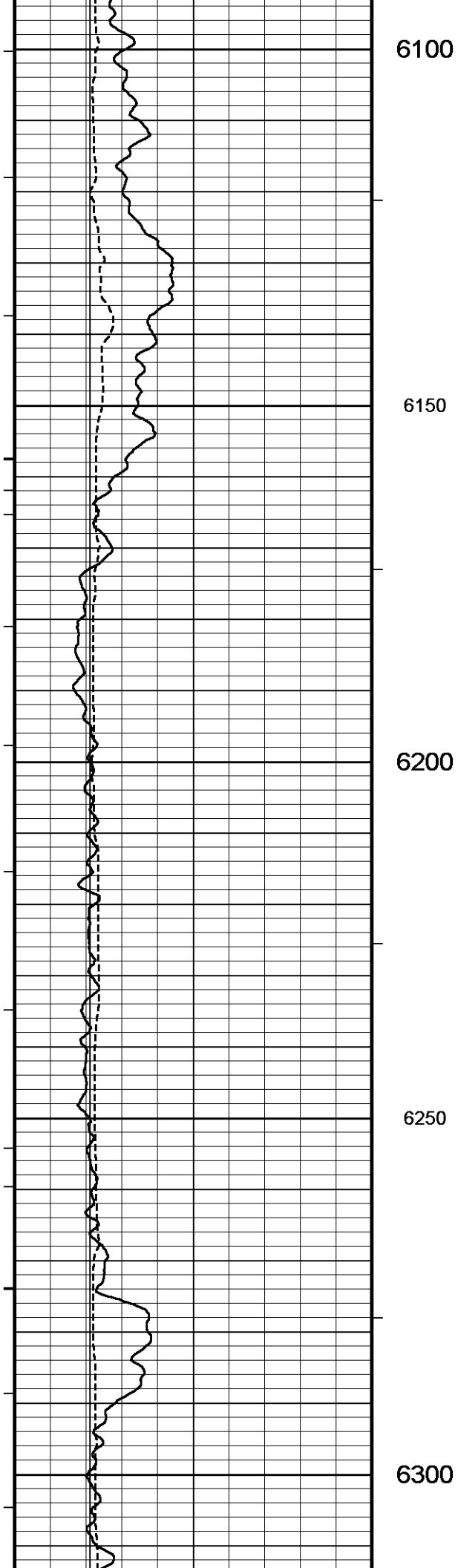
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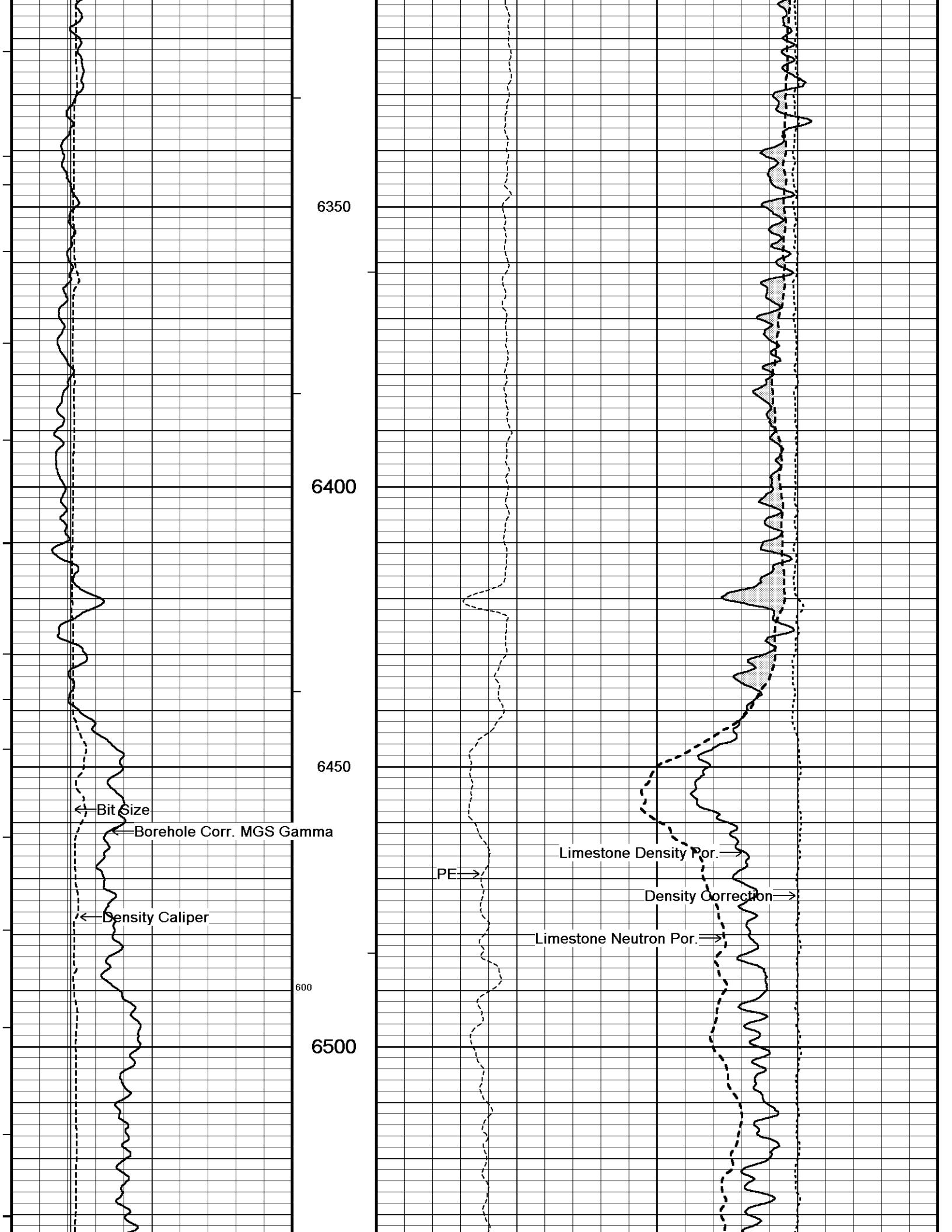
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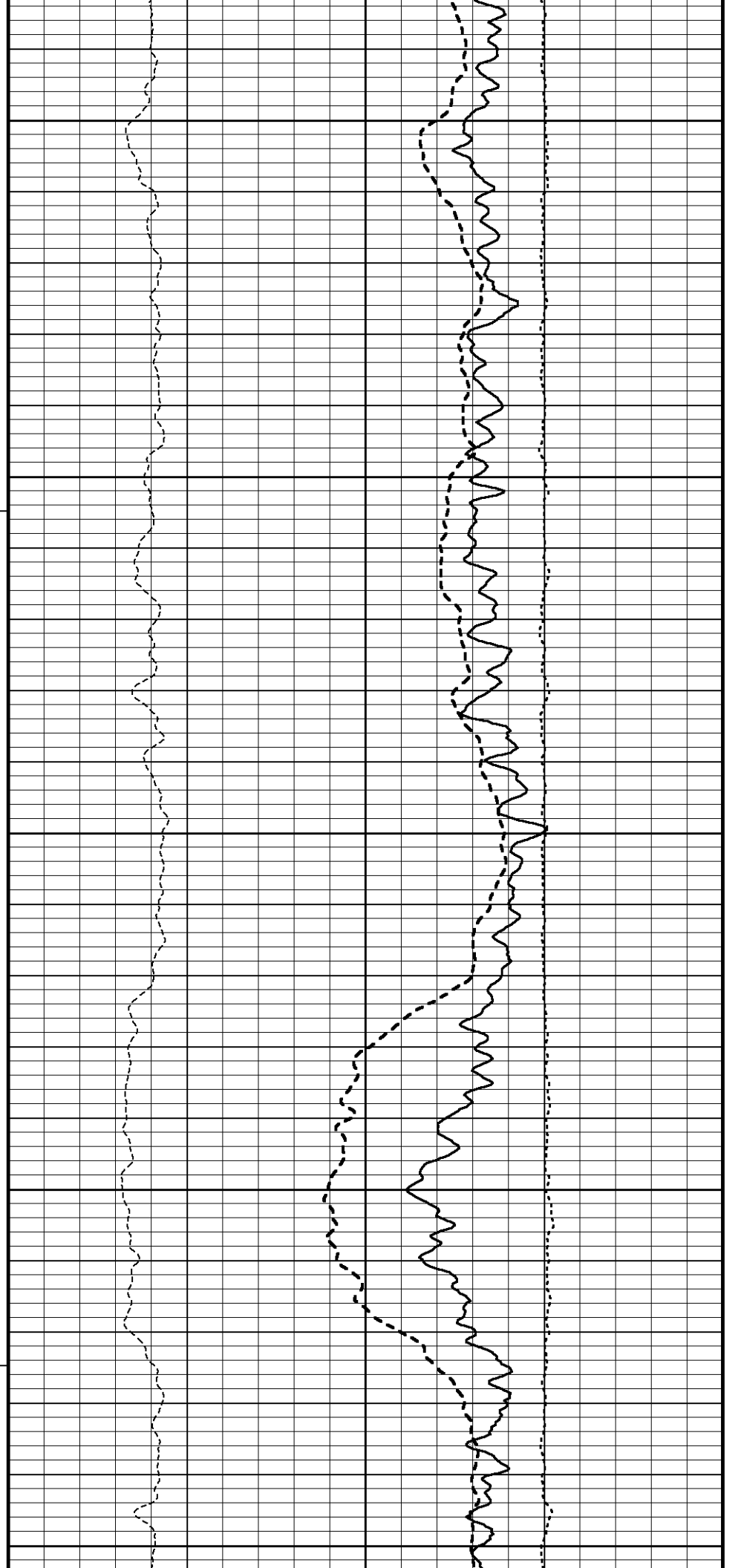
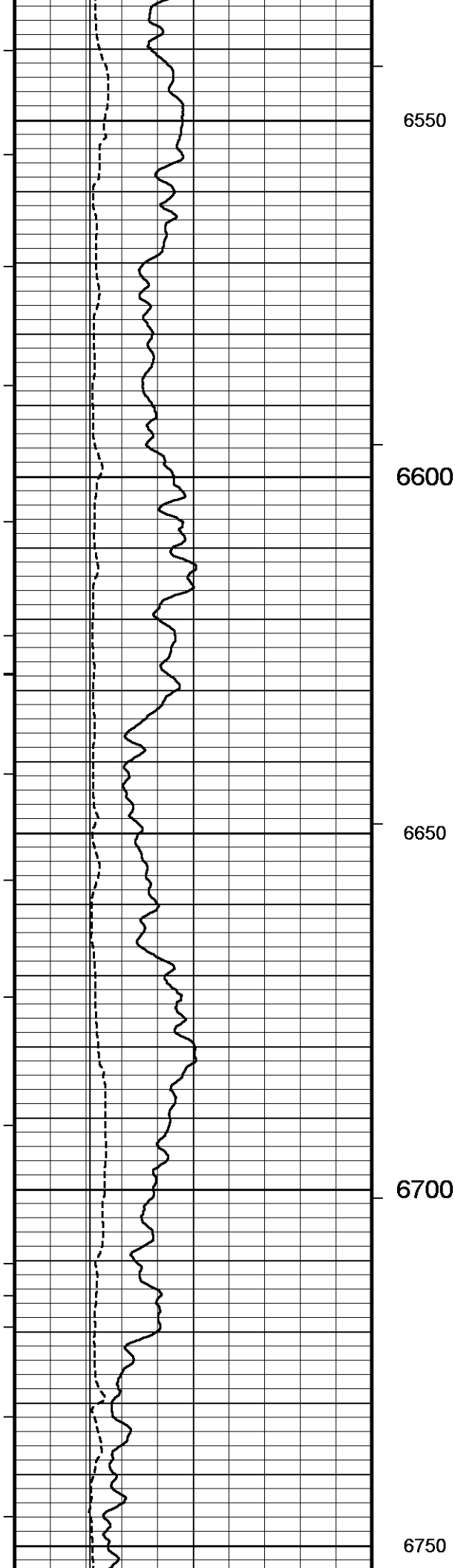


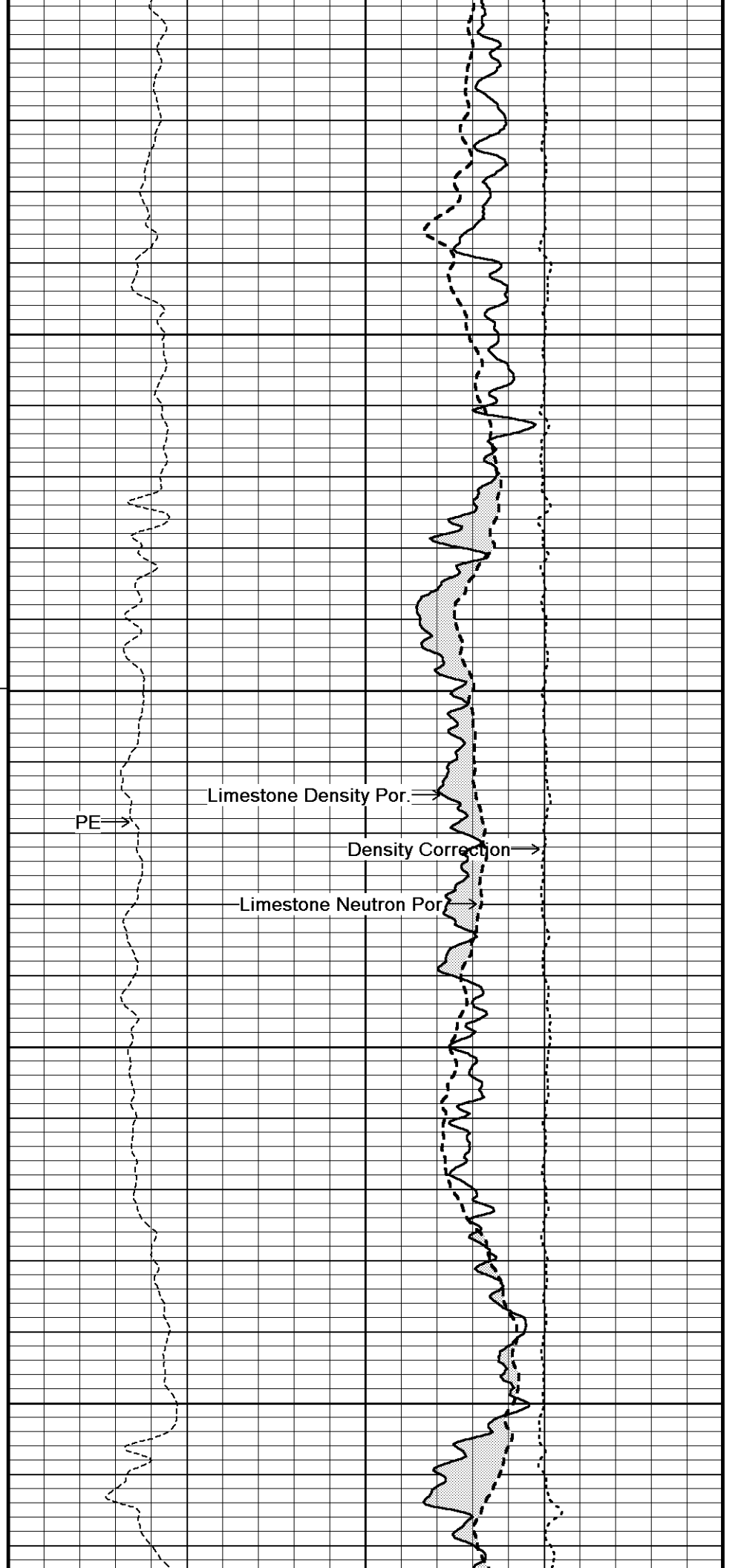
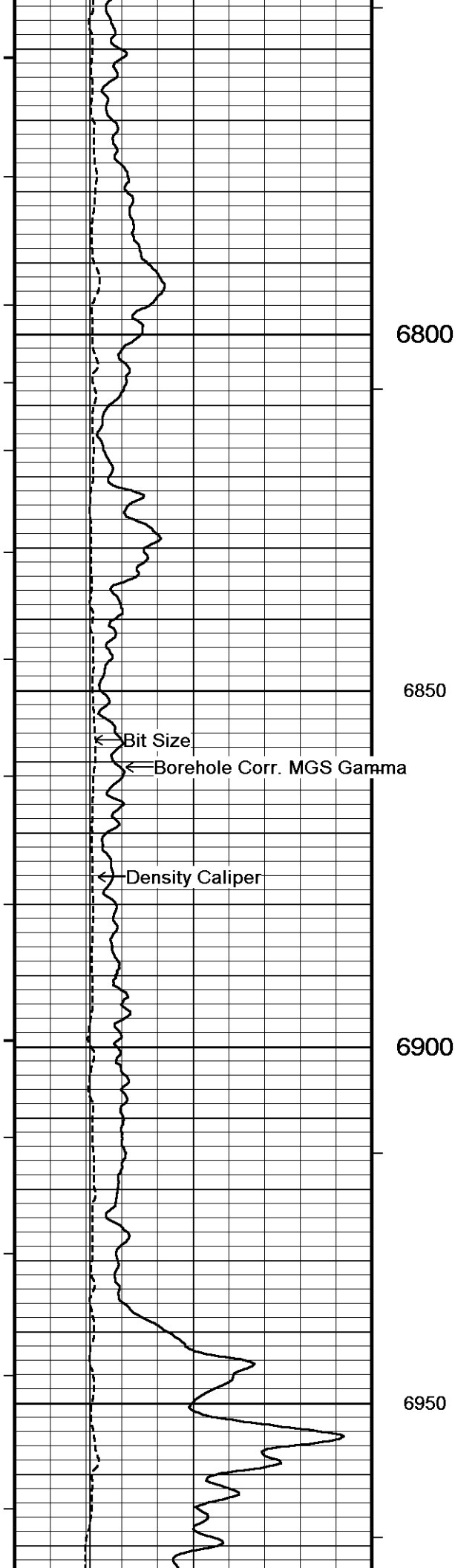


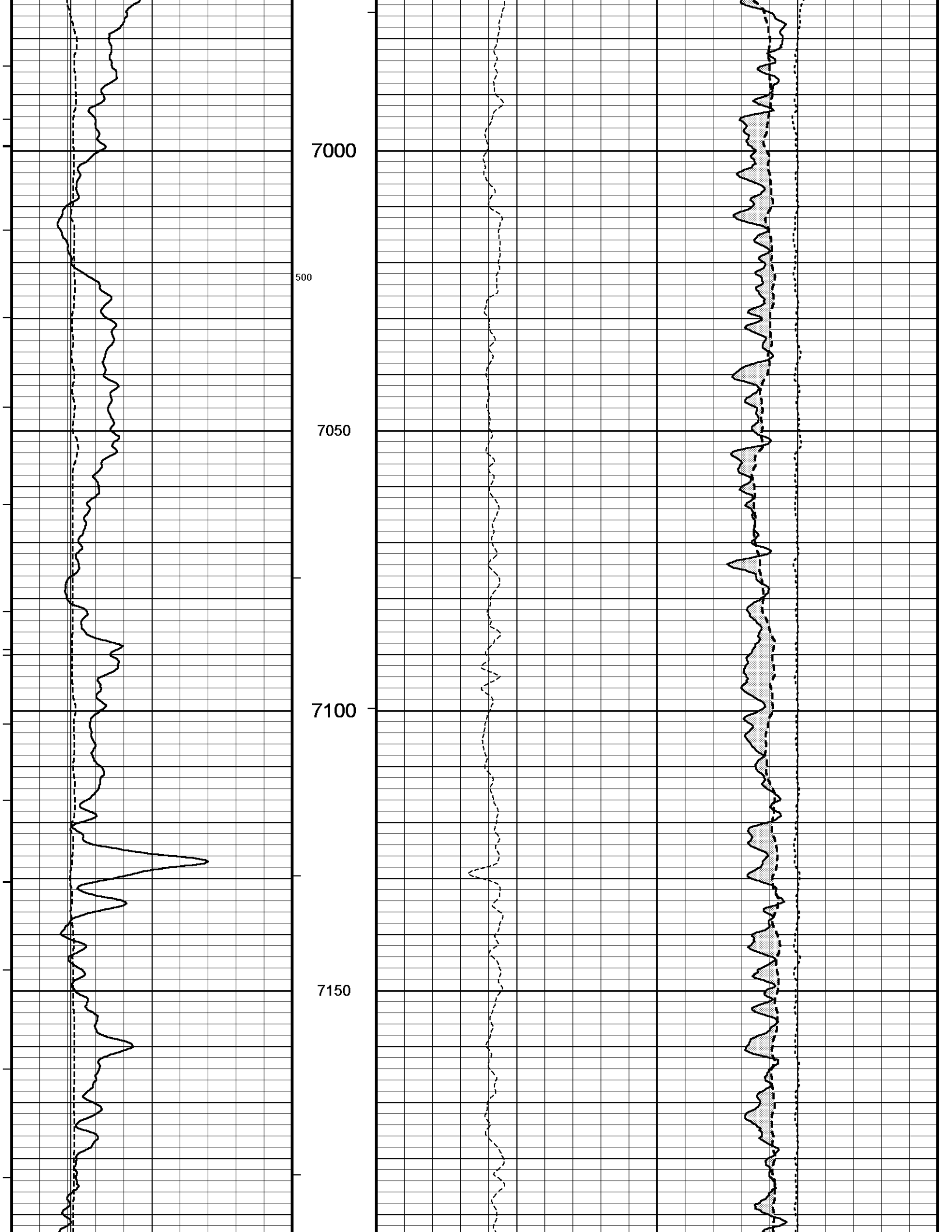


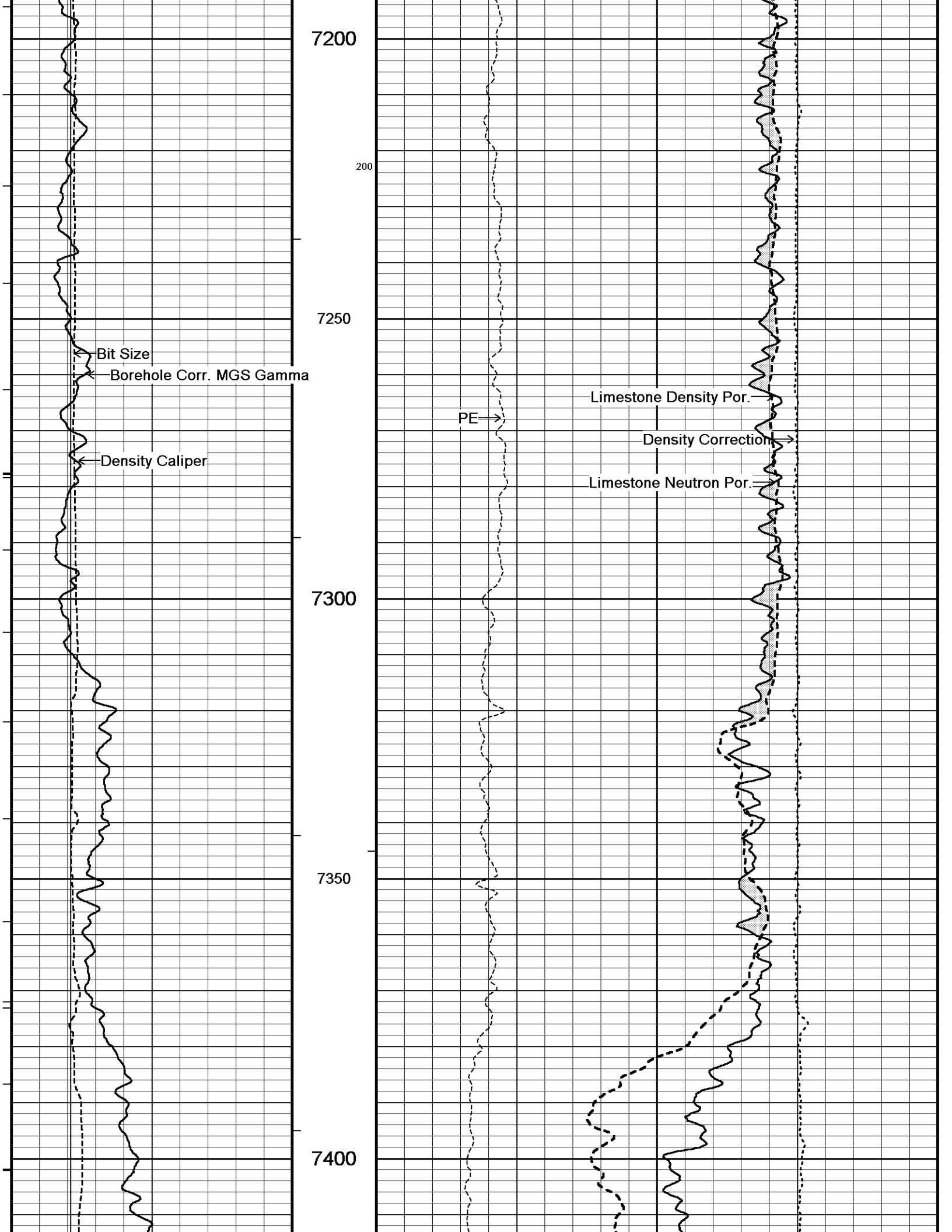


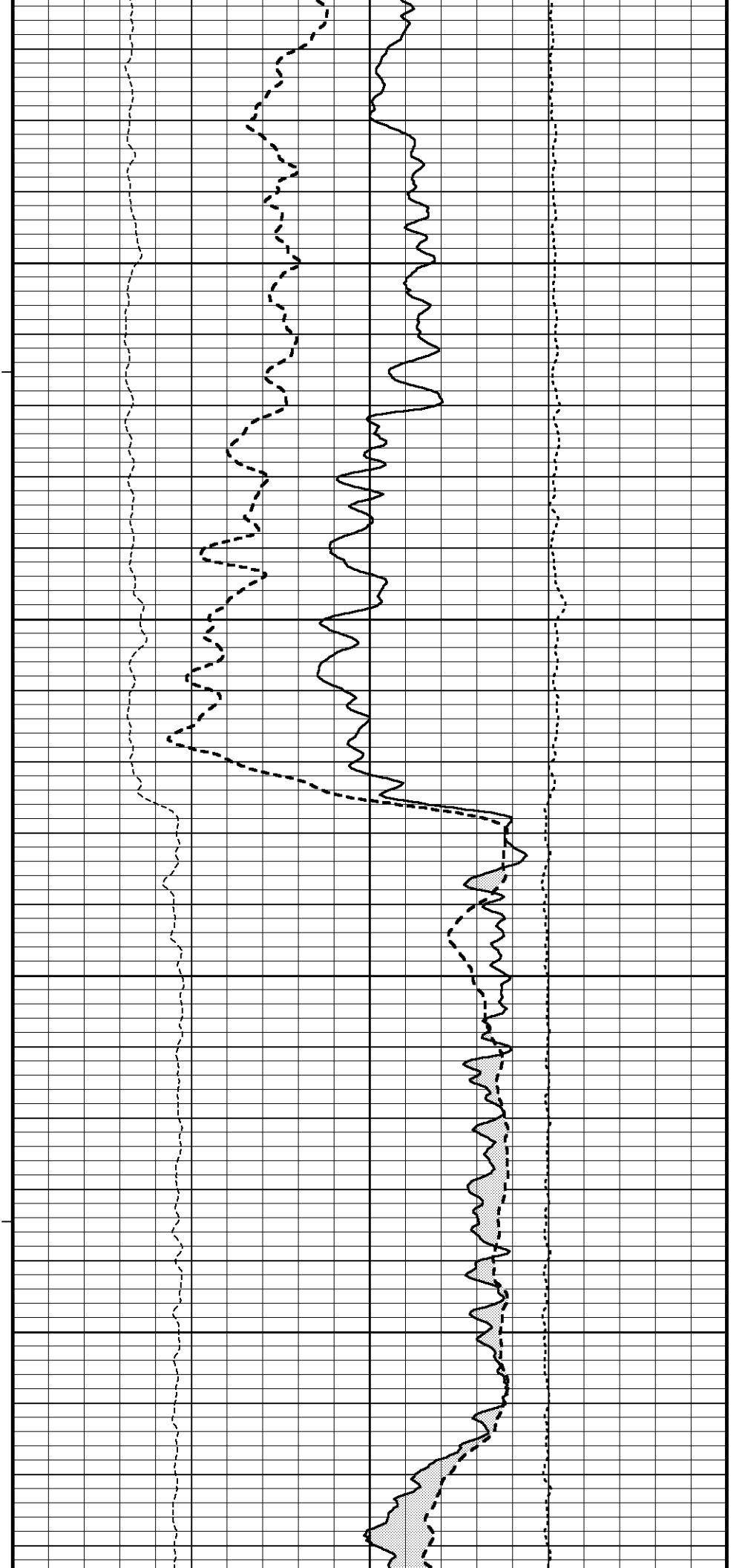
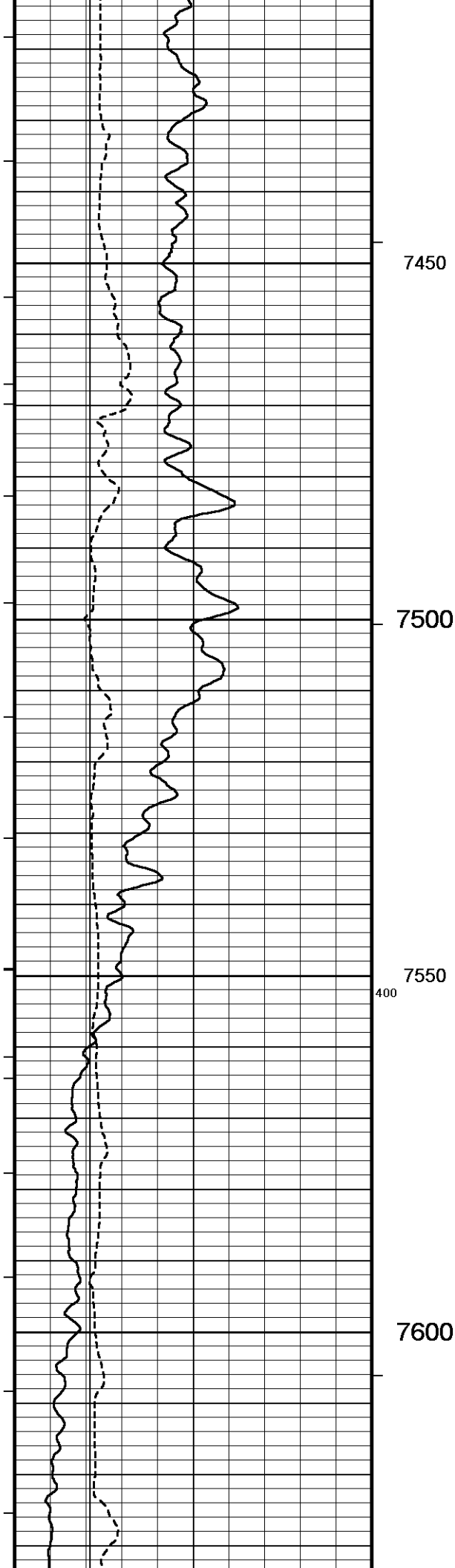


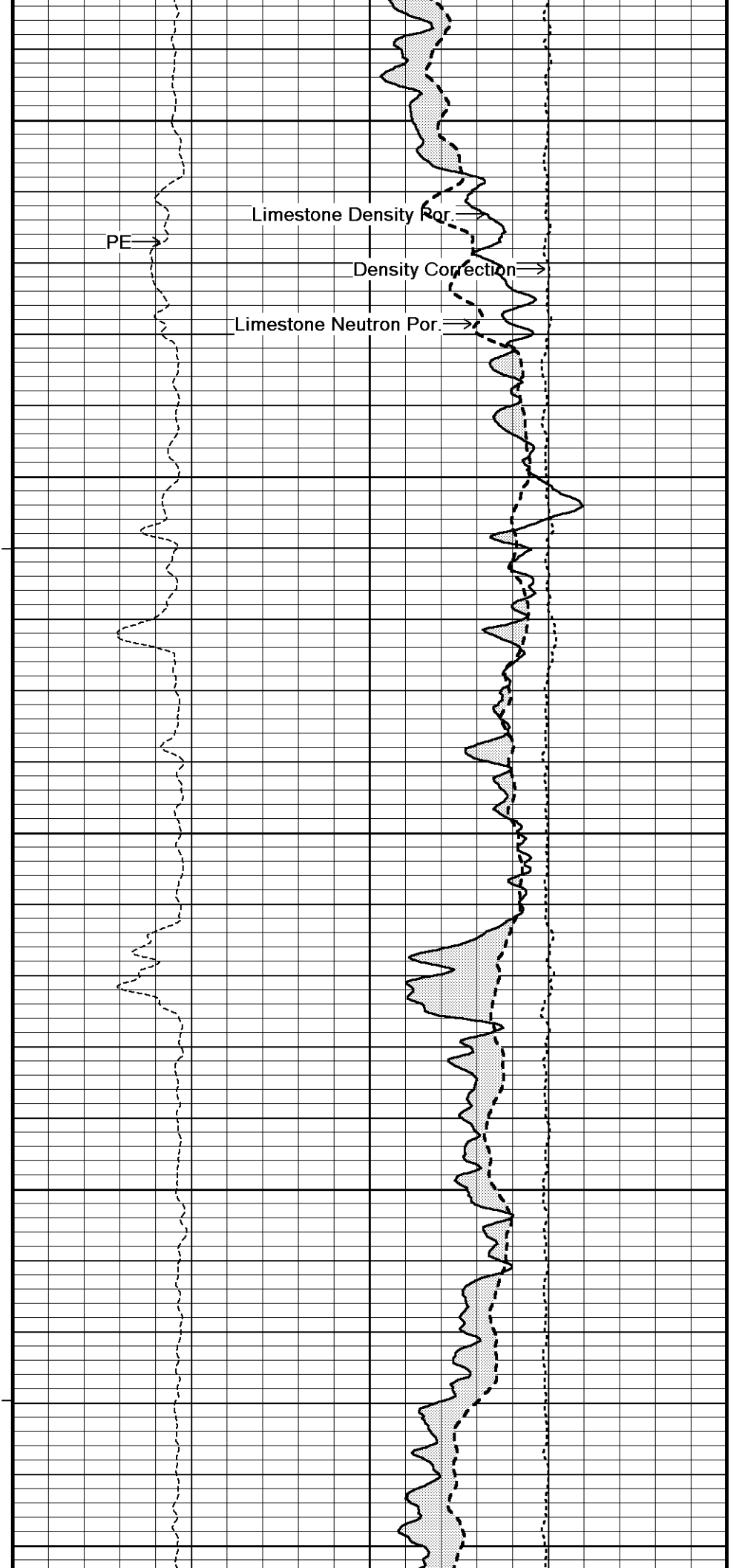
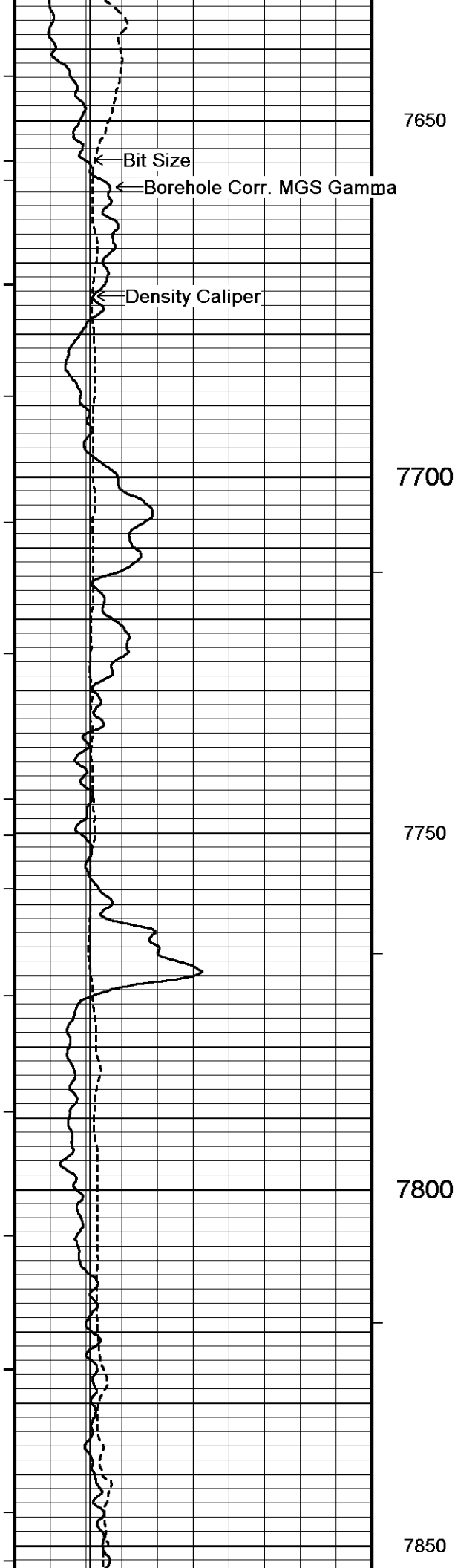


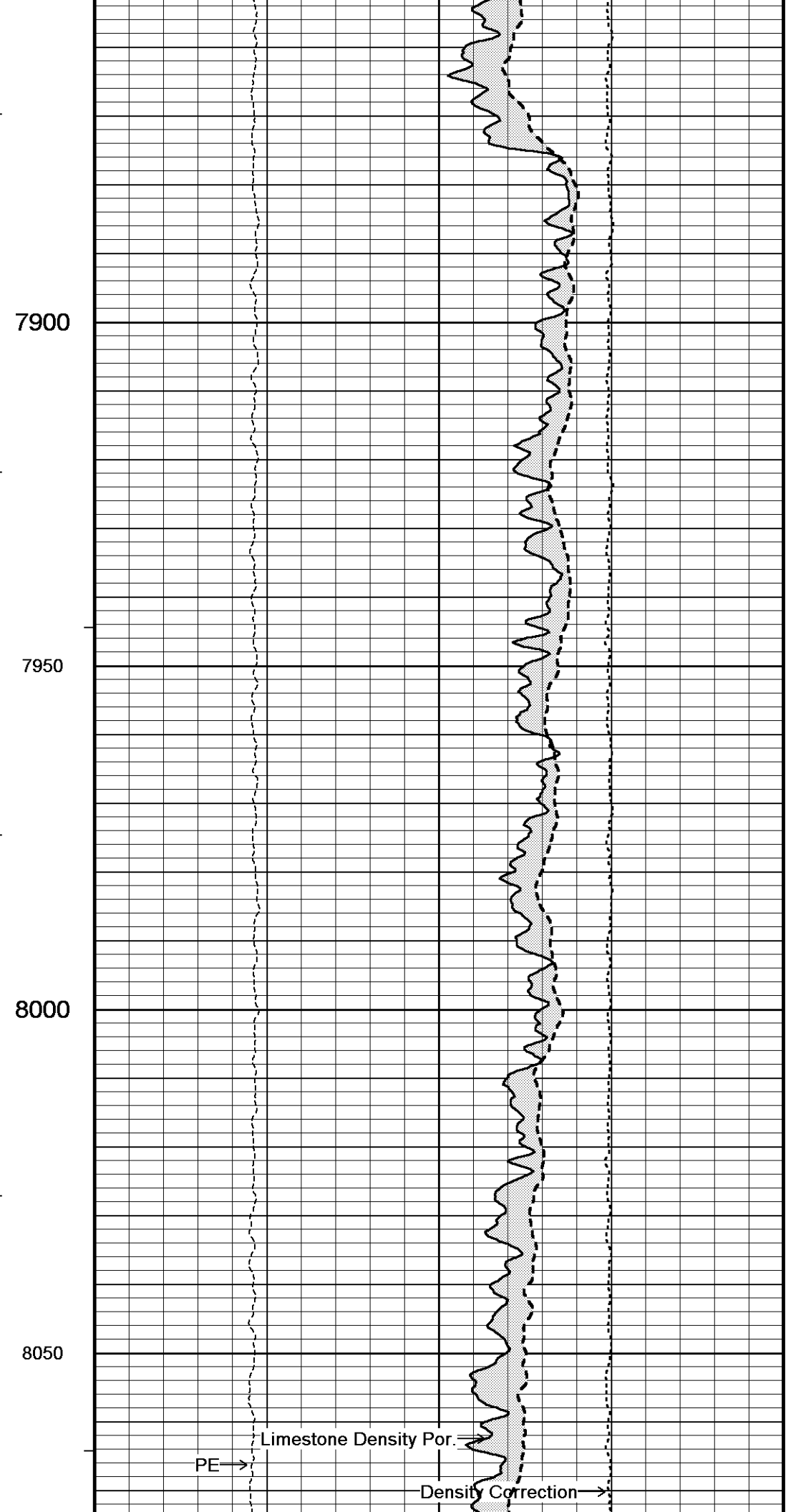
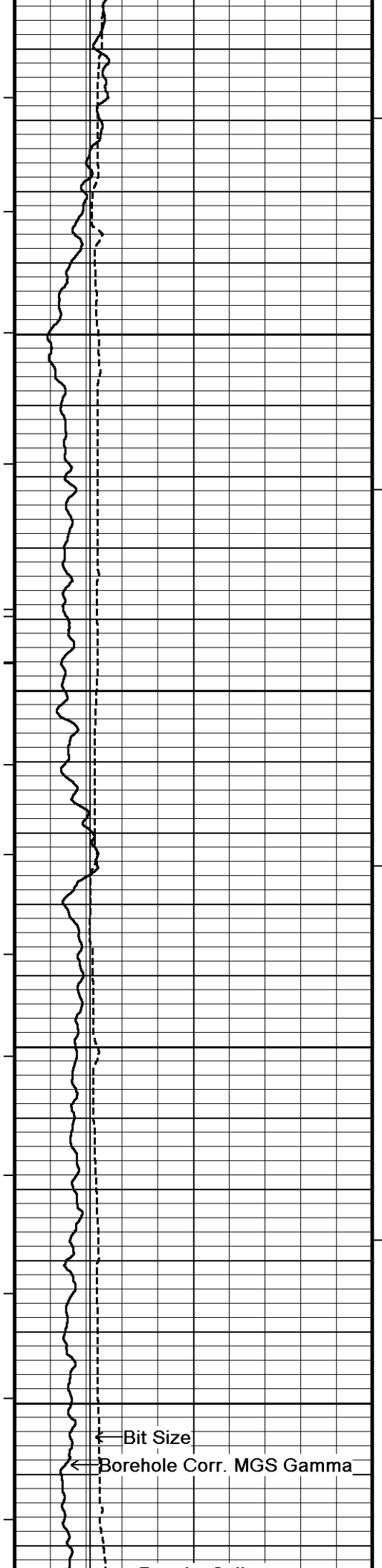


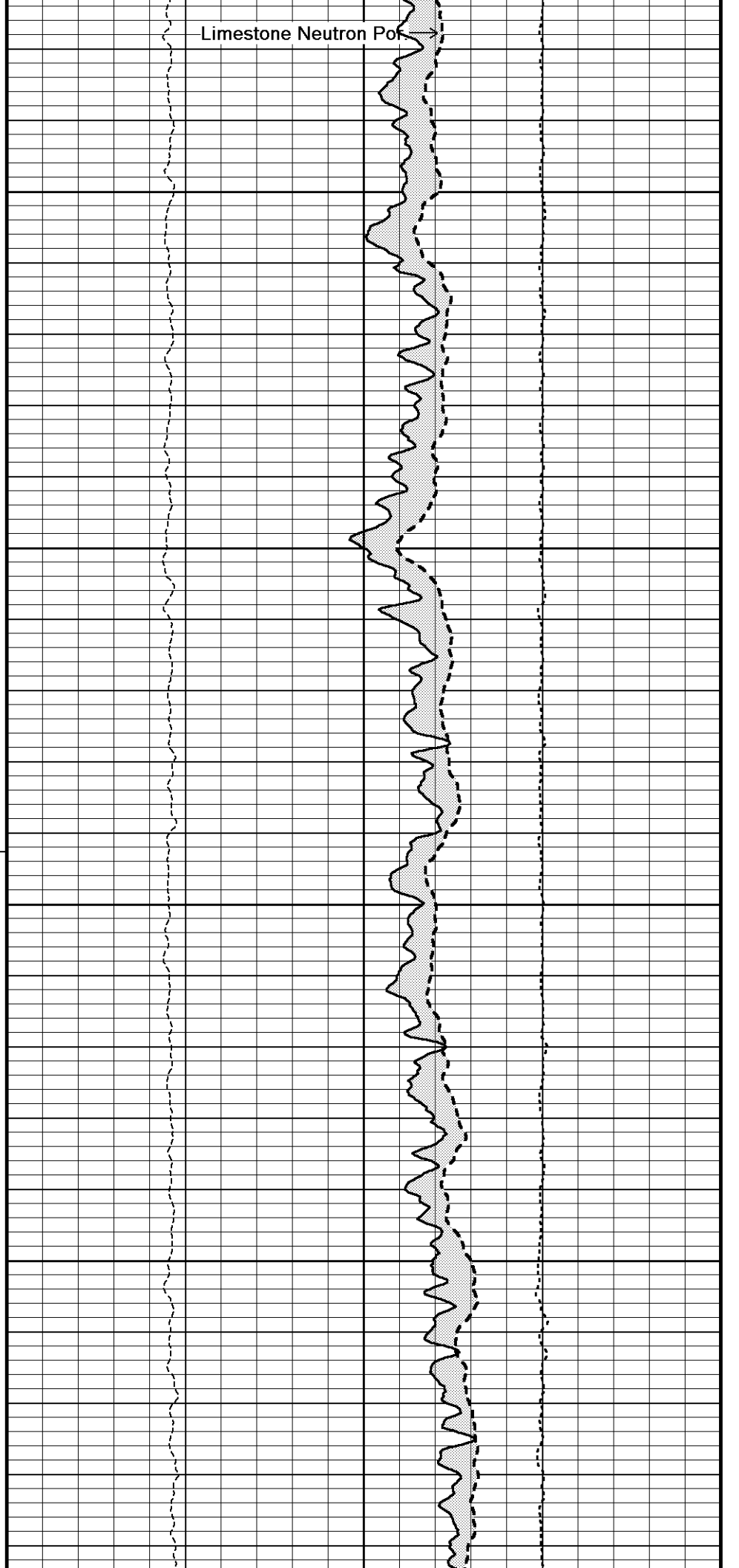
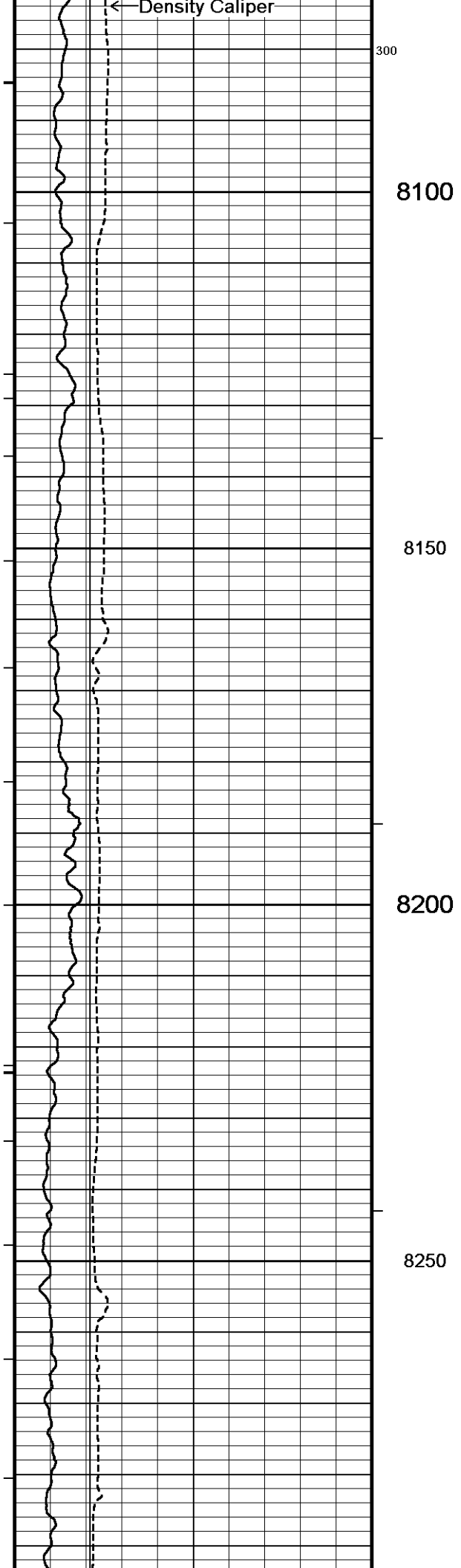


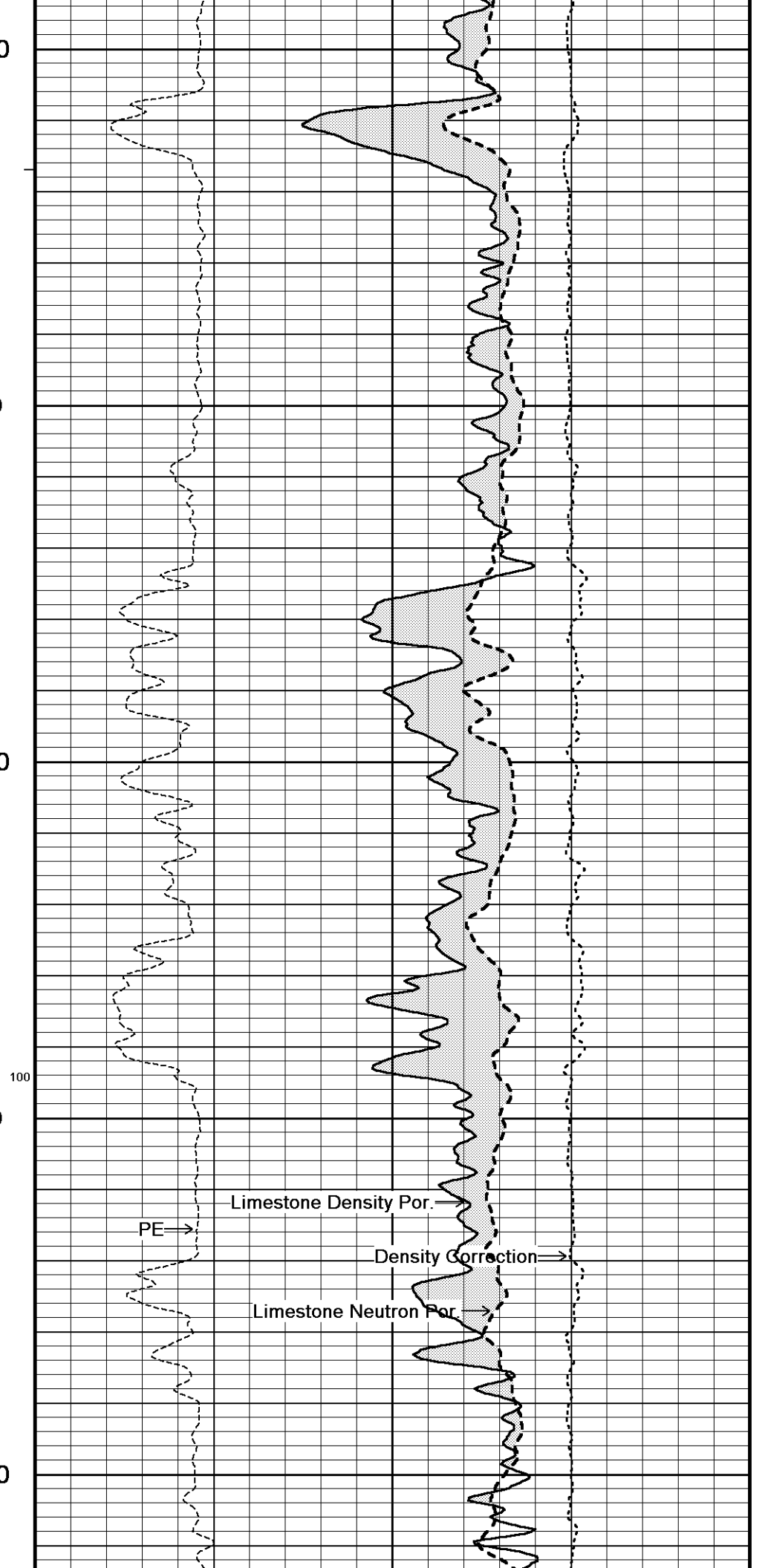
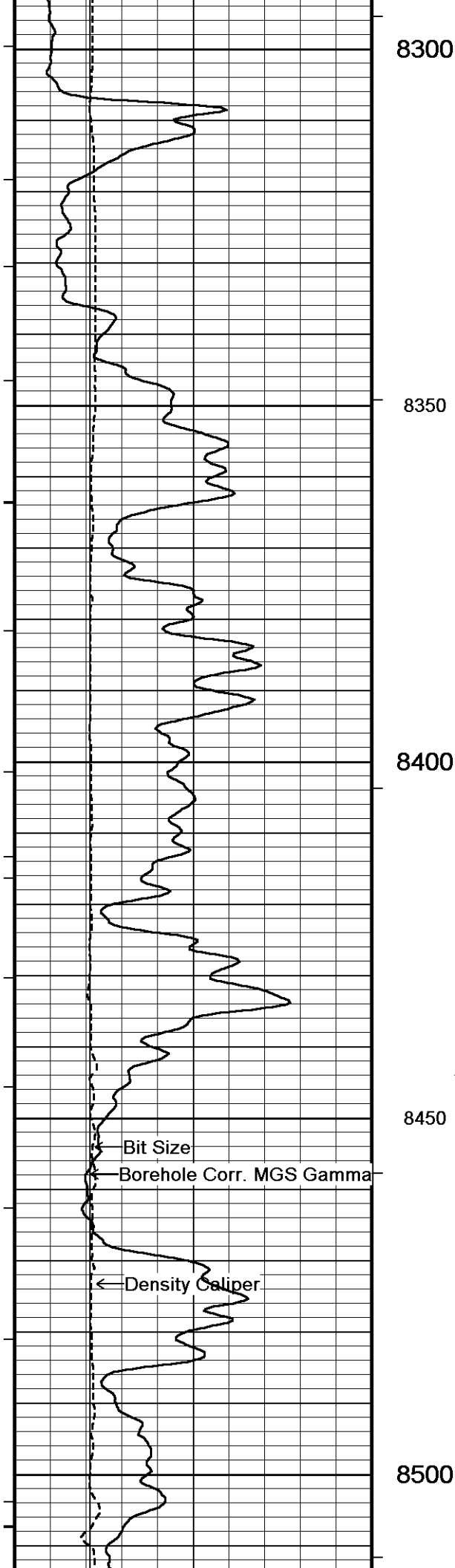


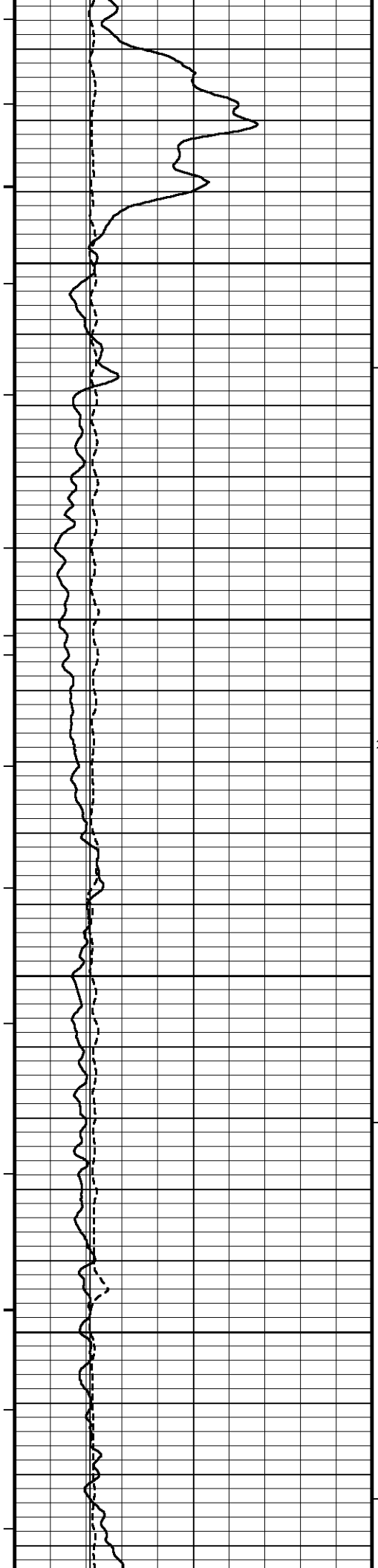












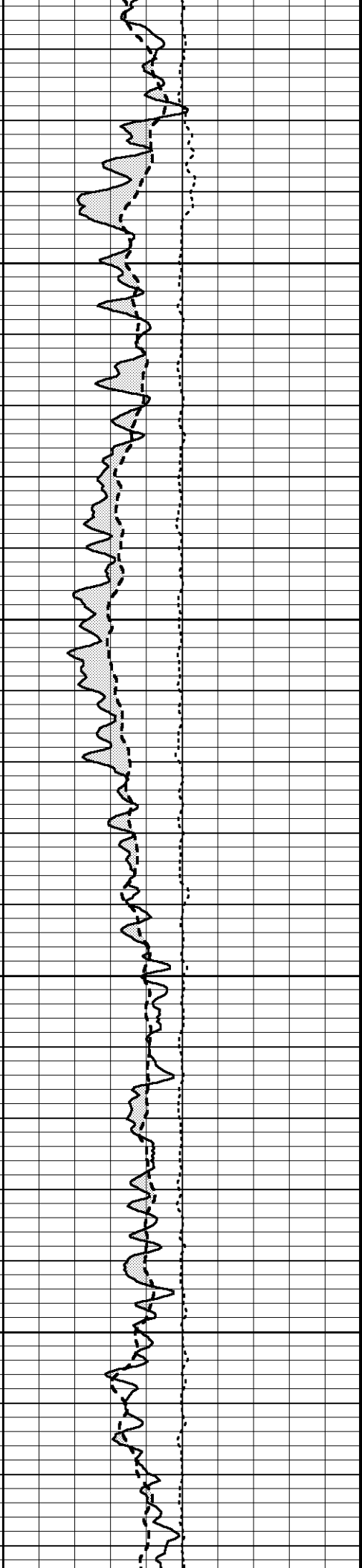
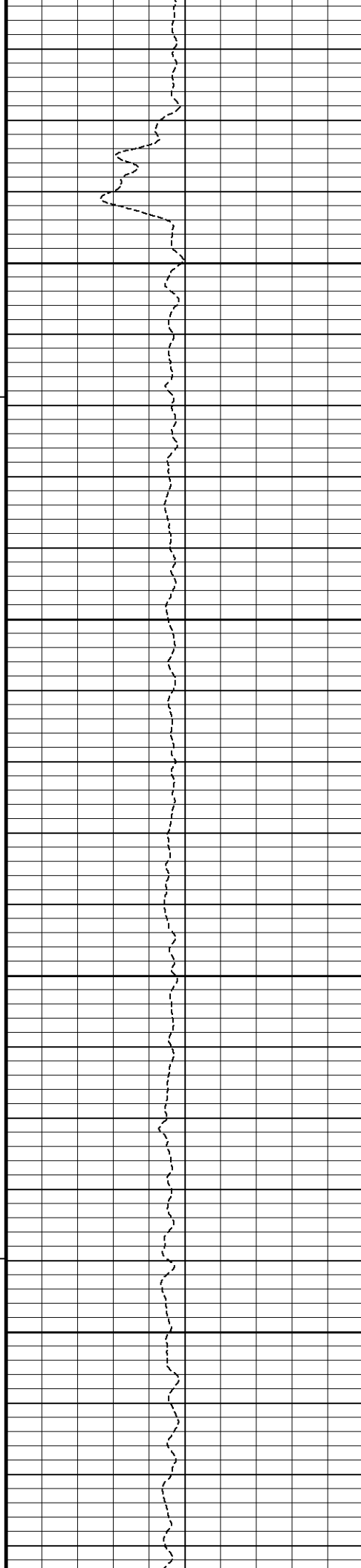
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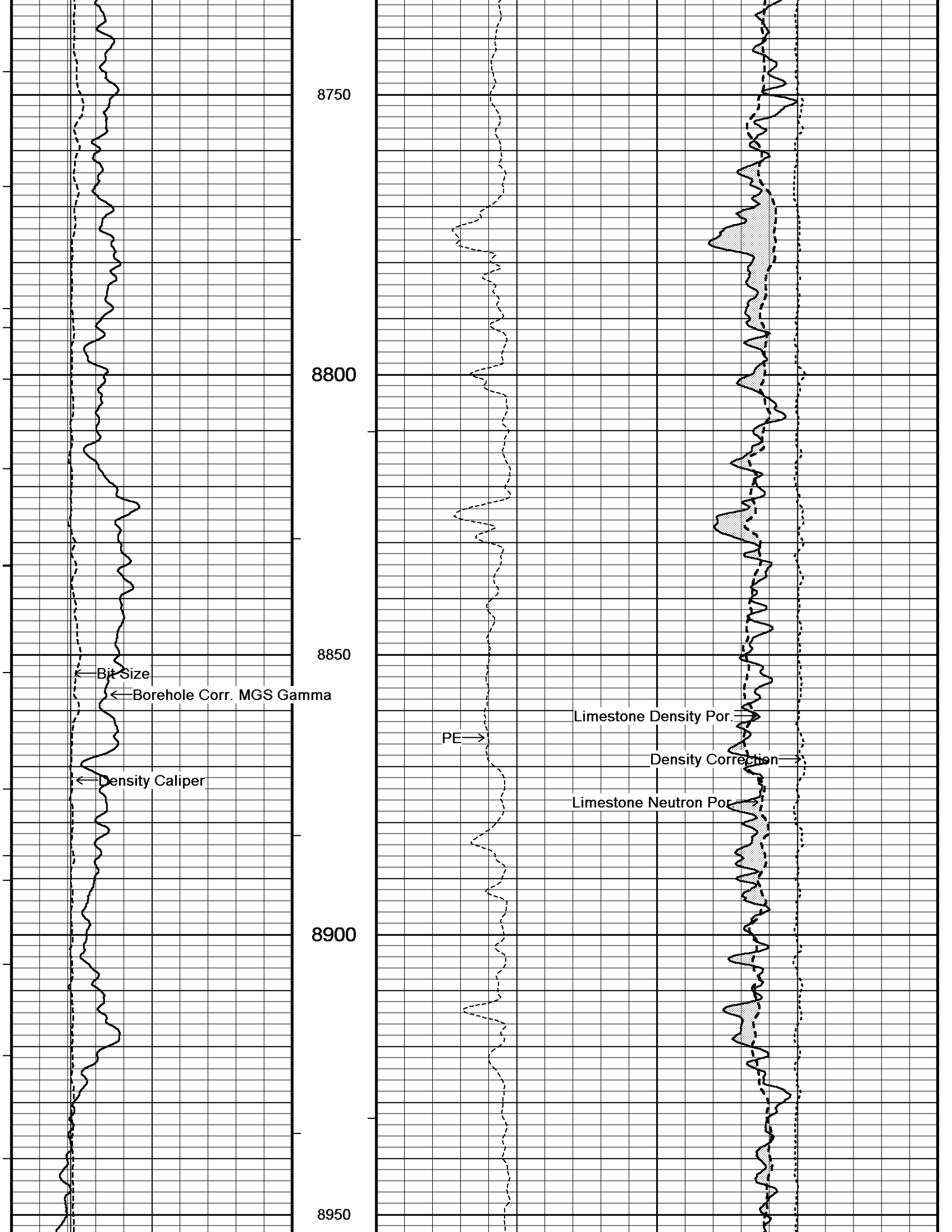
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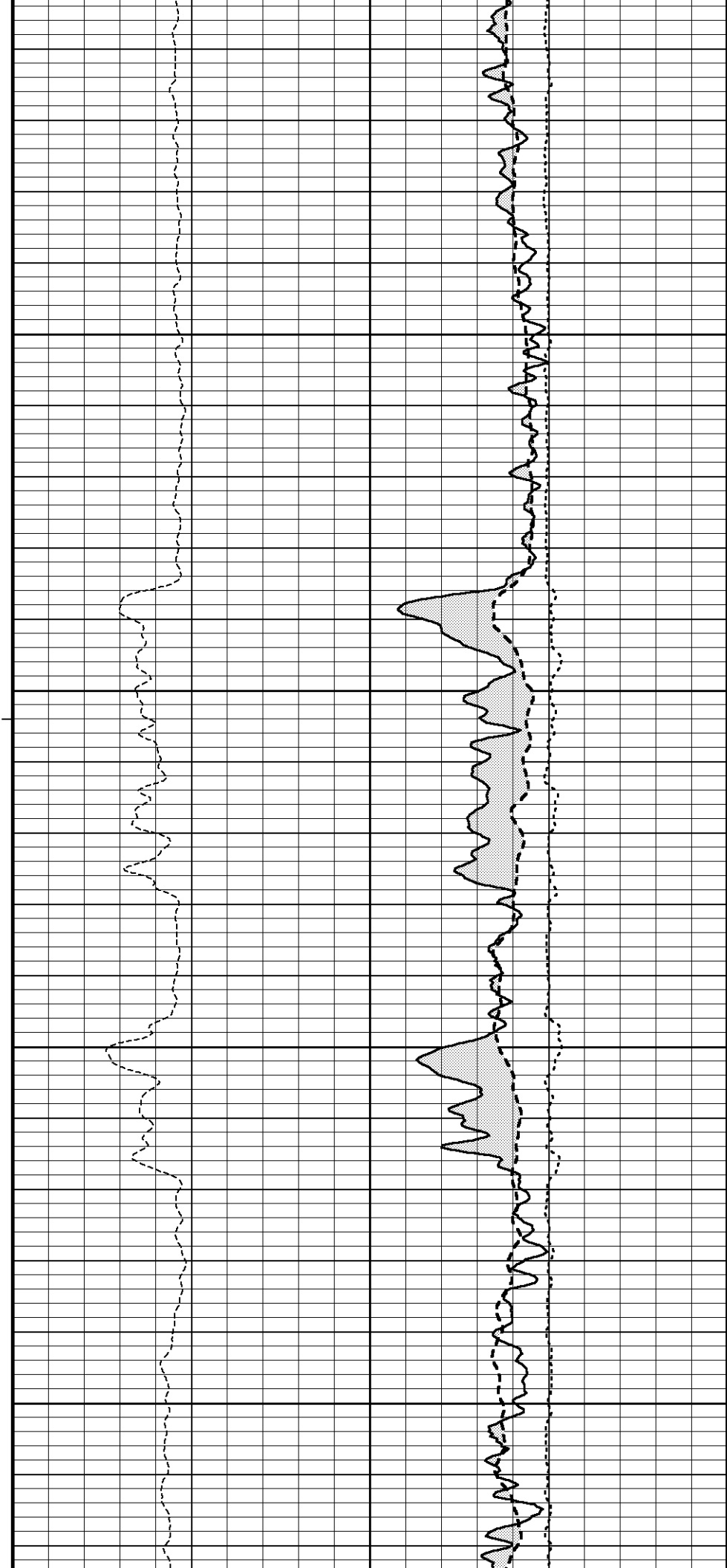
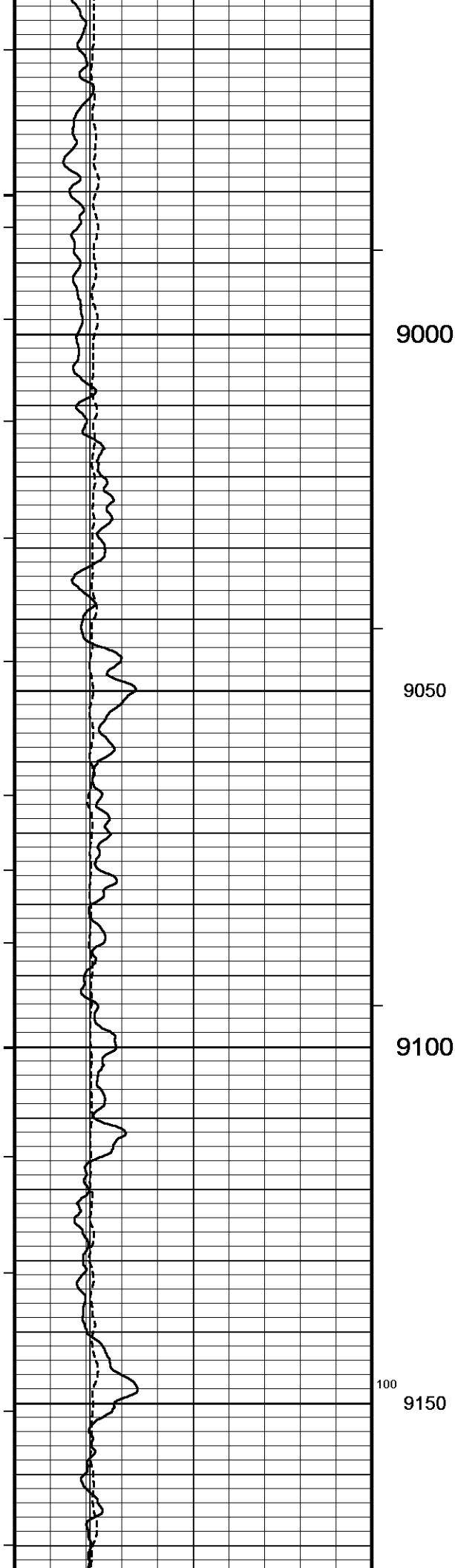
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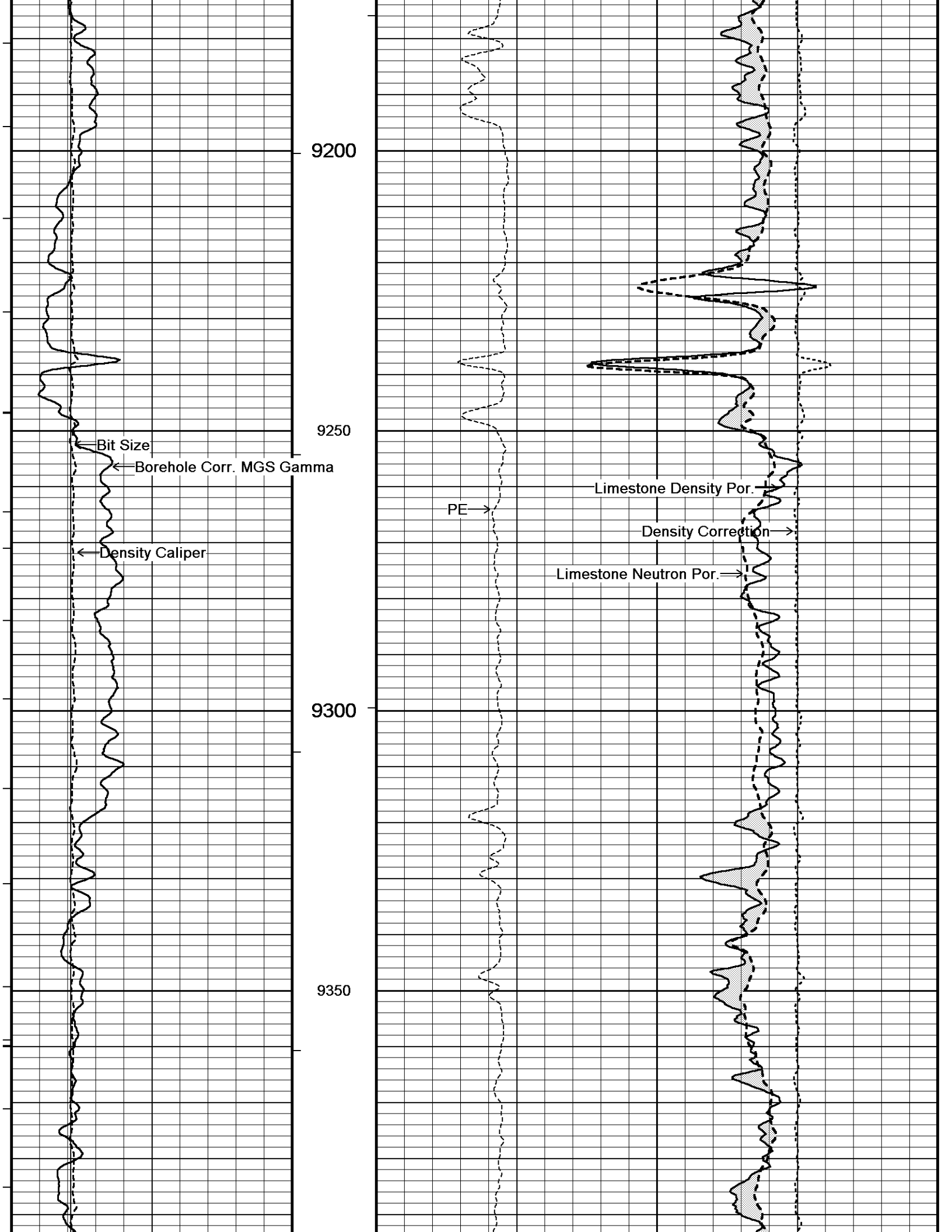
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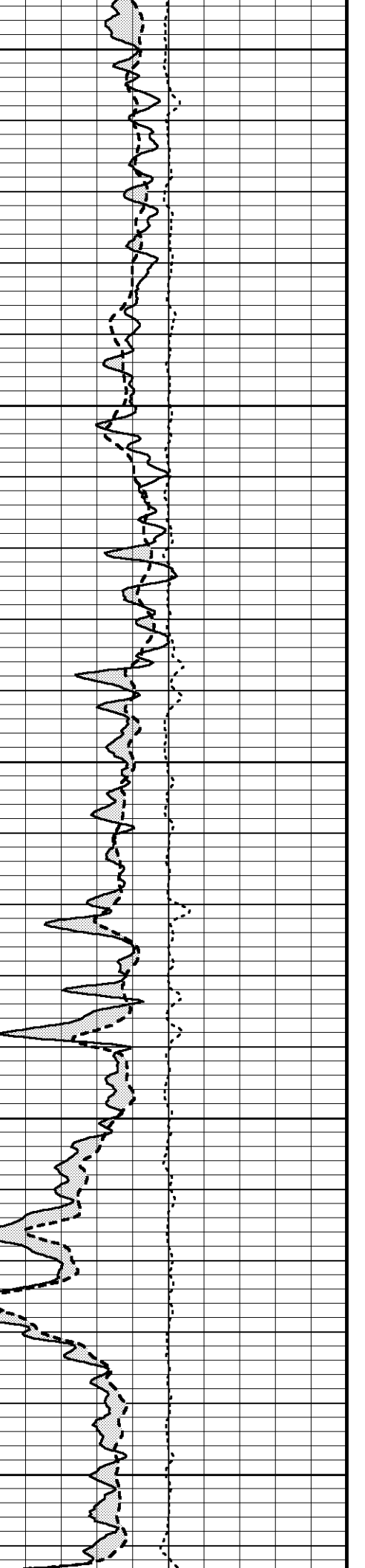
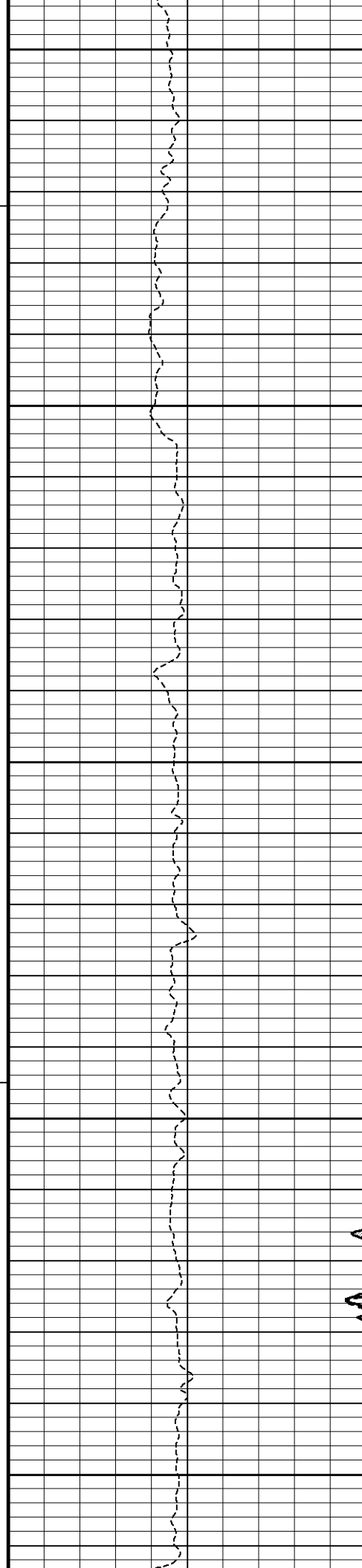
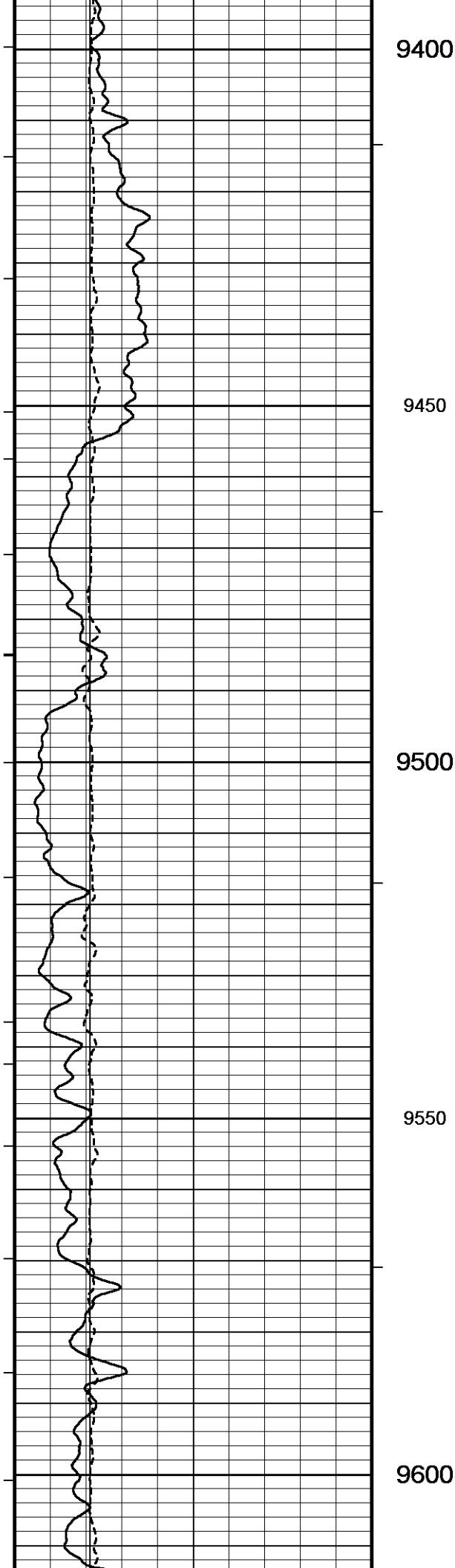
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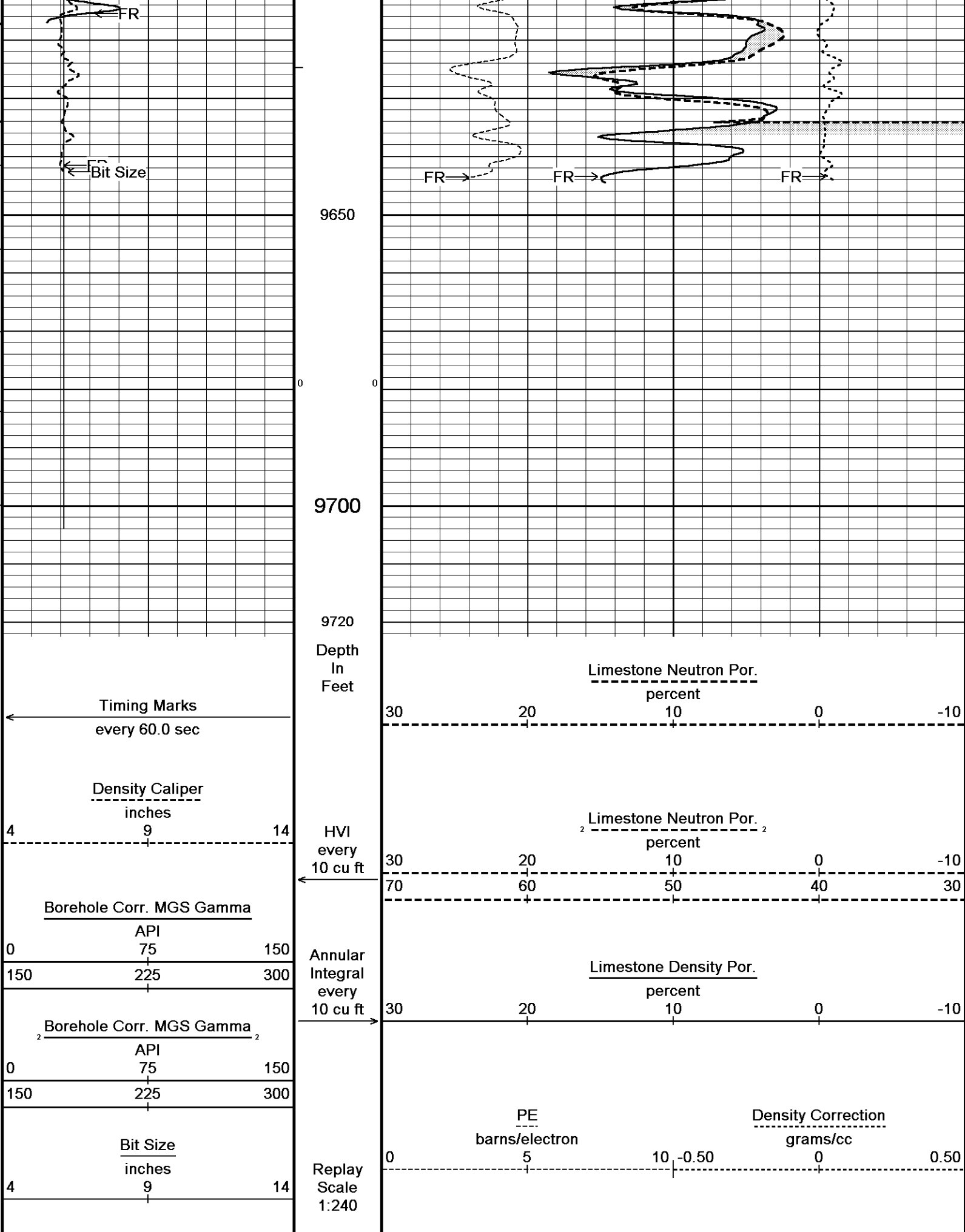














5 INCH MAIN LOG



5 INCH BULK DENSITY LOG



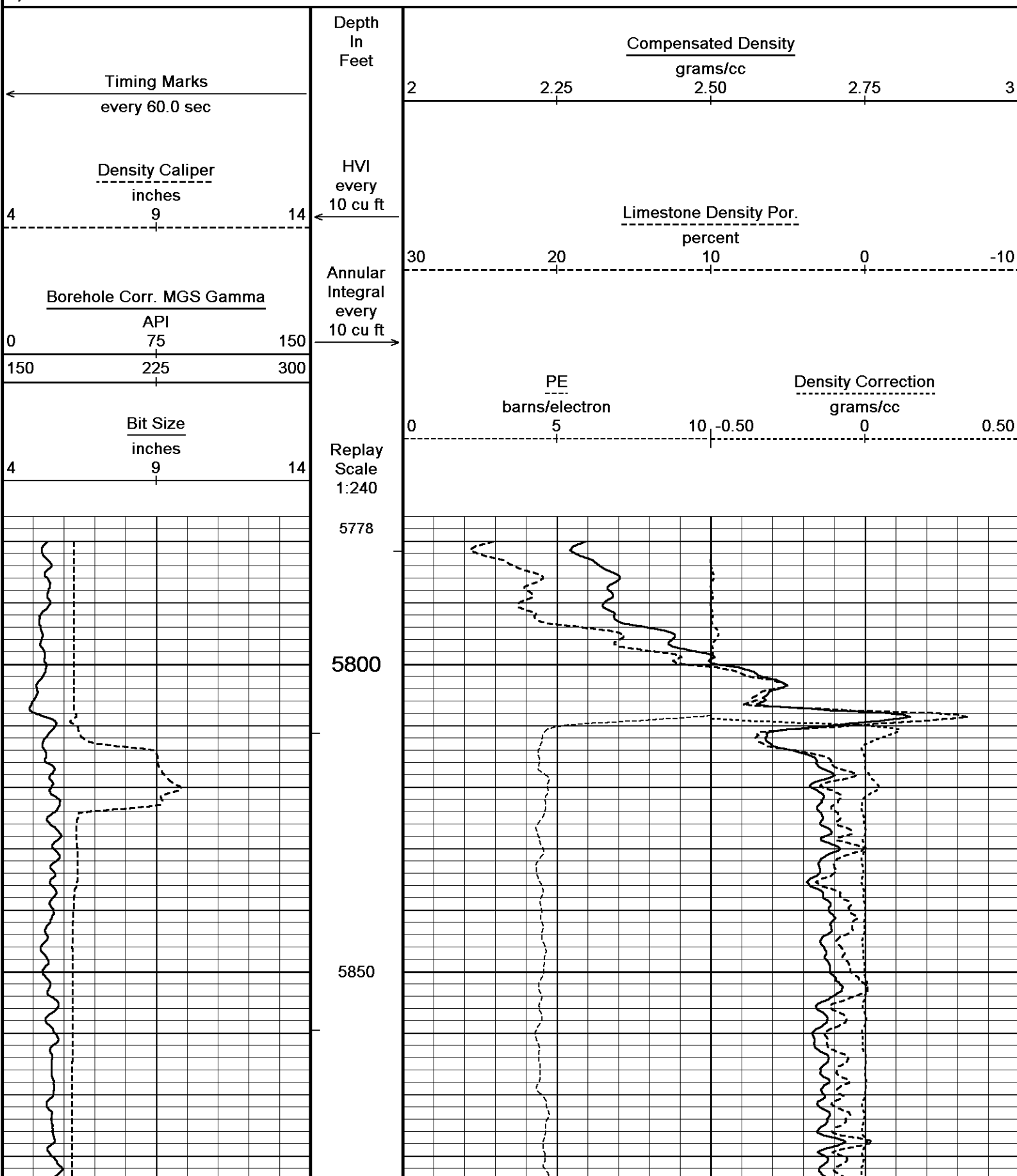
Depth Based Data - Maximum Sampling Increment 10.0cm

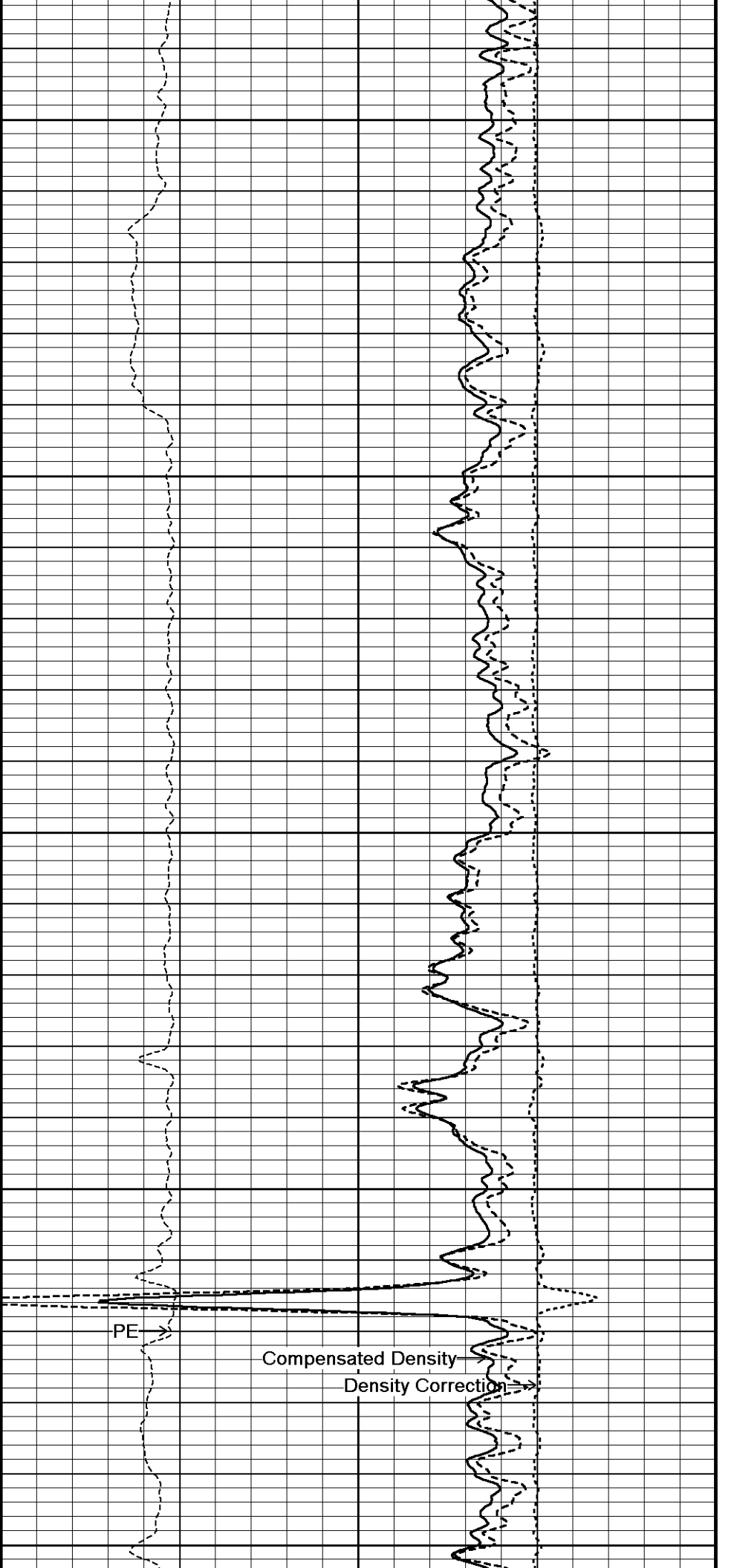
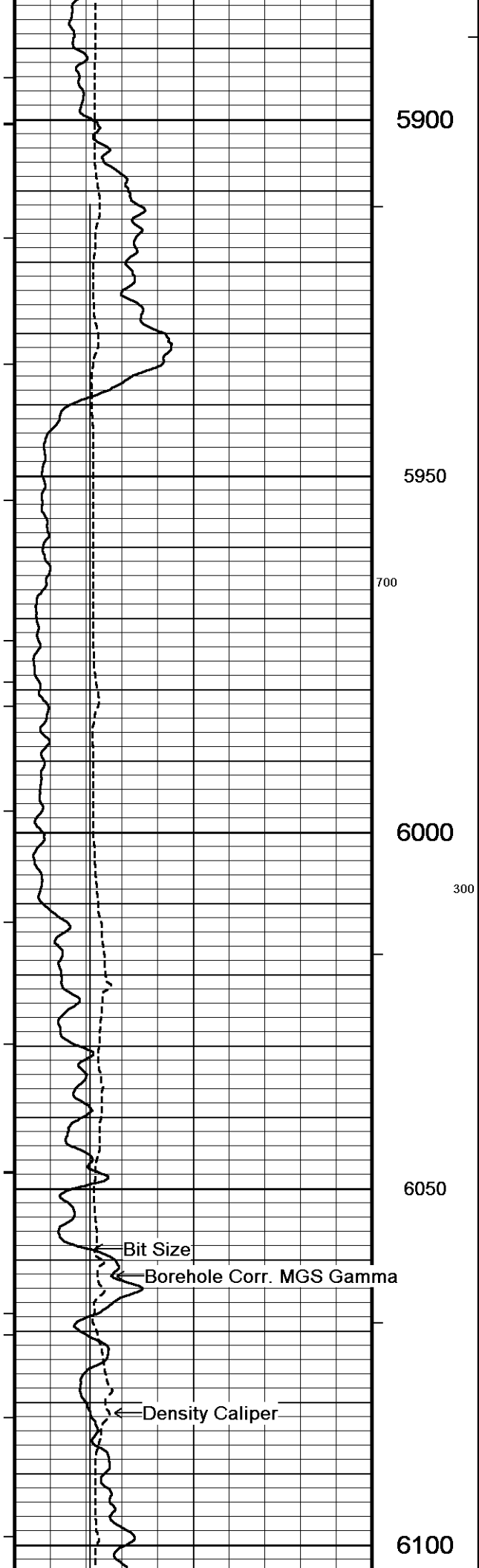
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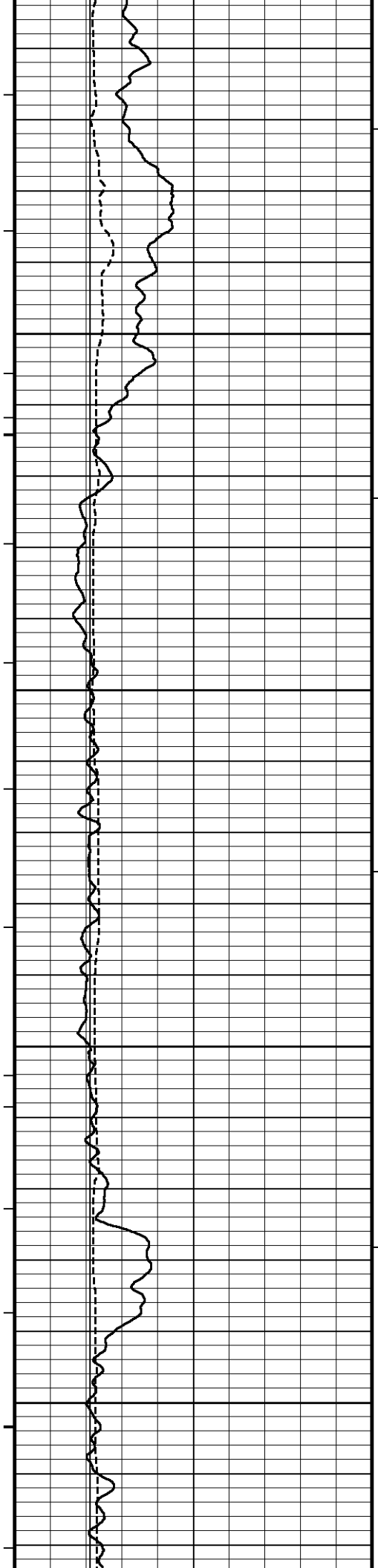
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Recorded on 13-FEB-2013 18:53

System Versions: Processed with 13.04.8492 Plotted with 13.04.8492





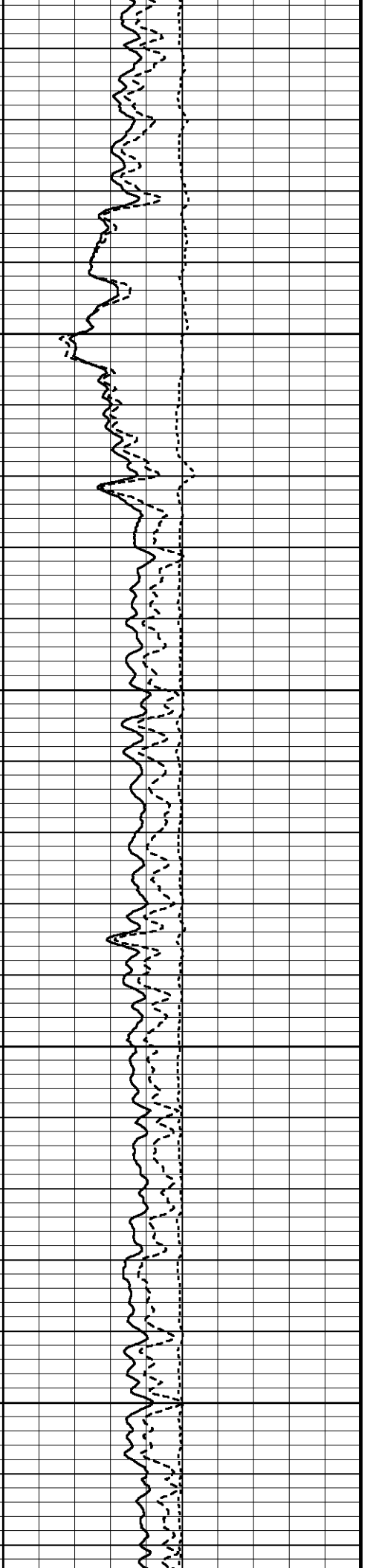
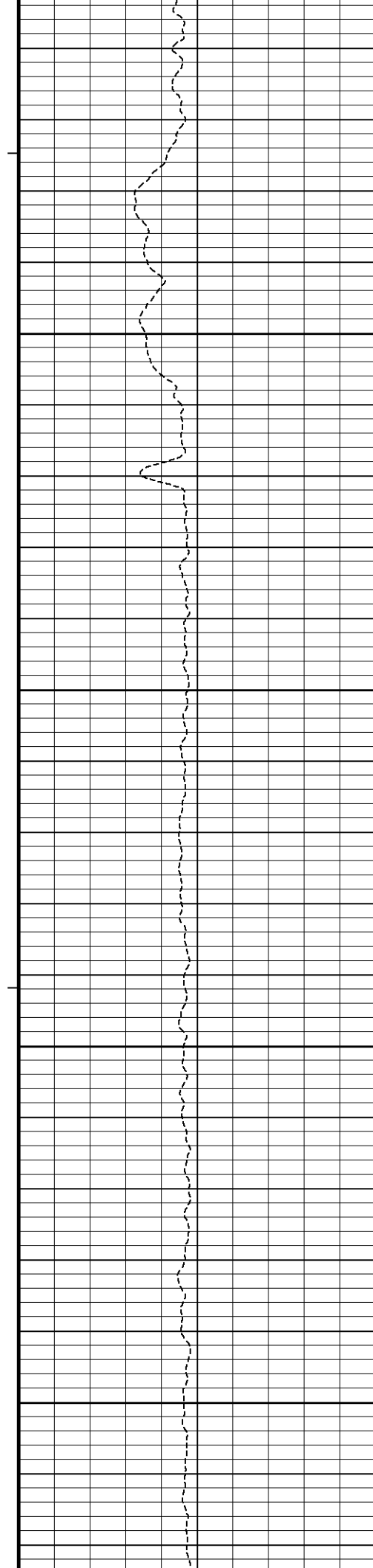


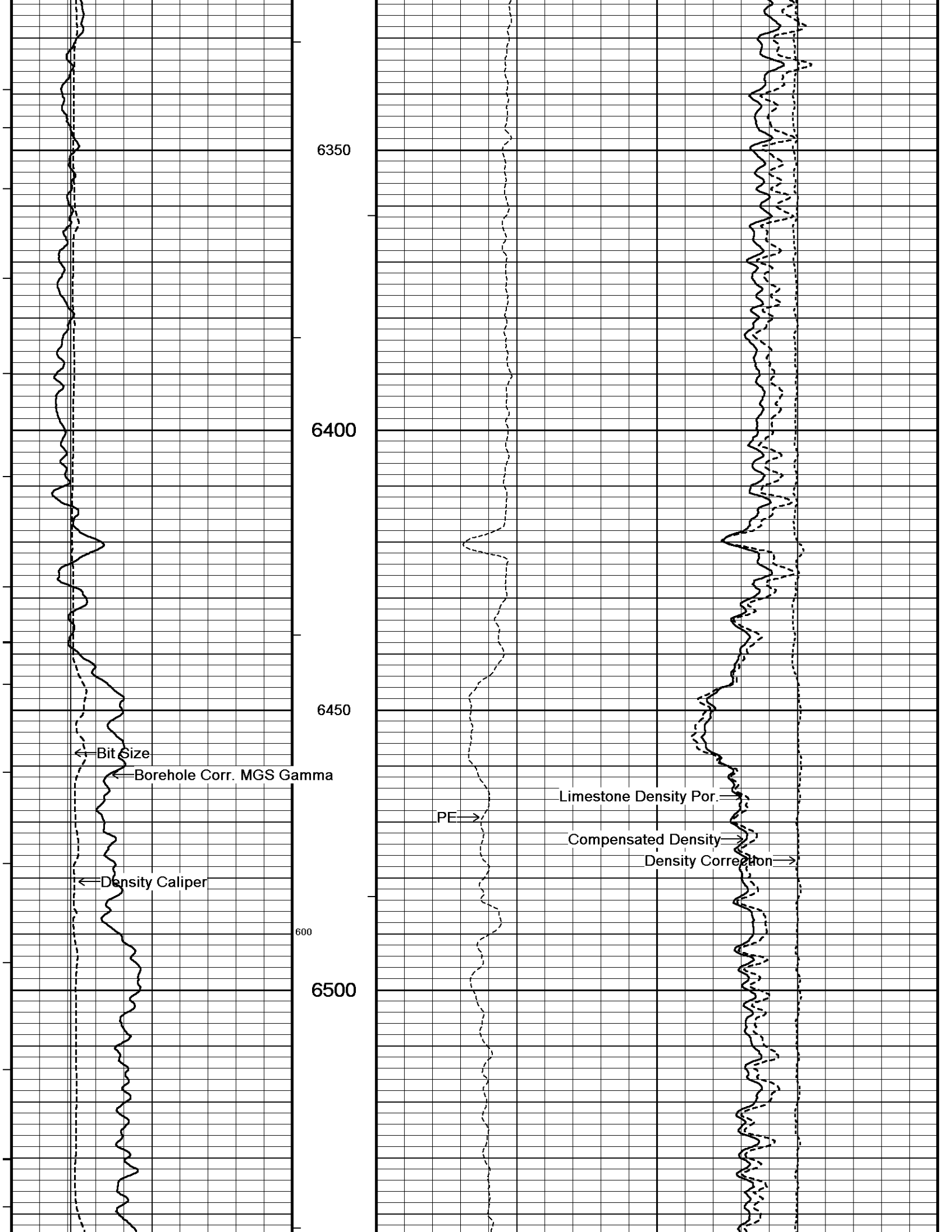
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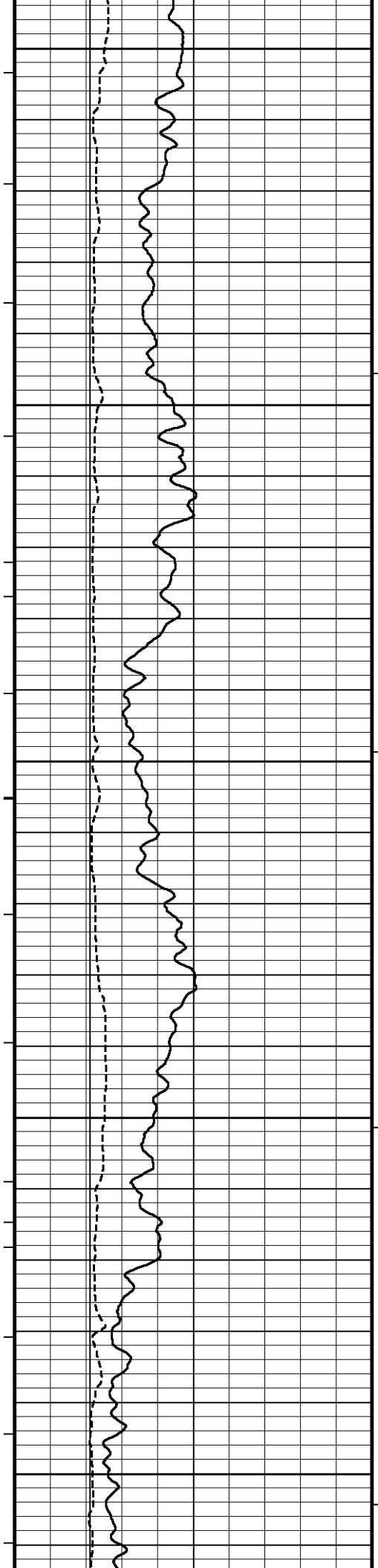
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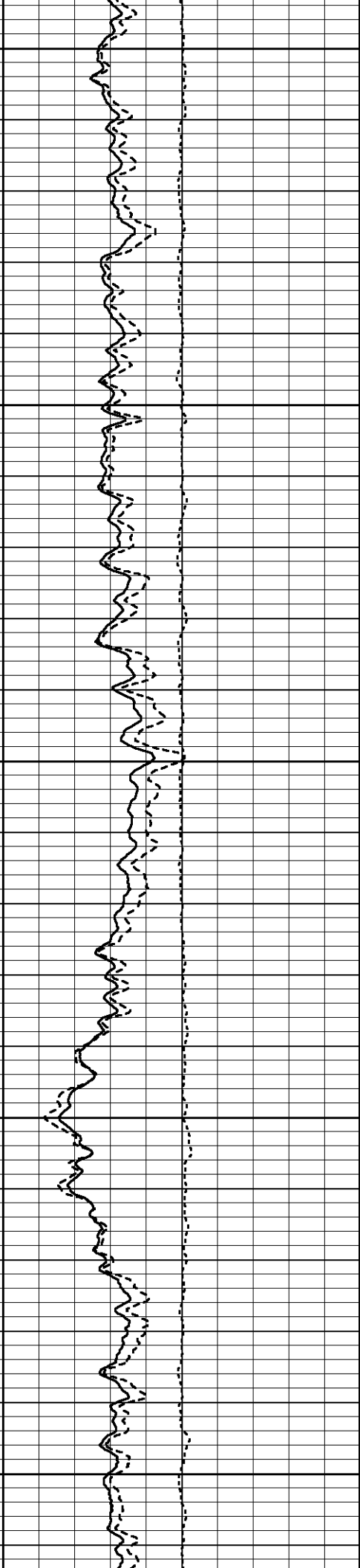
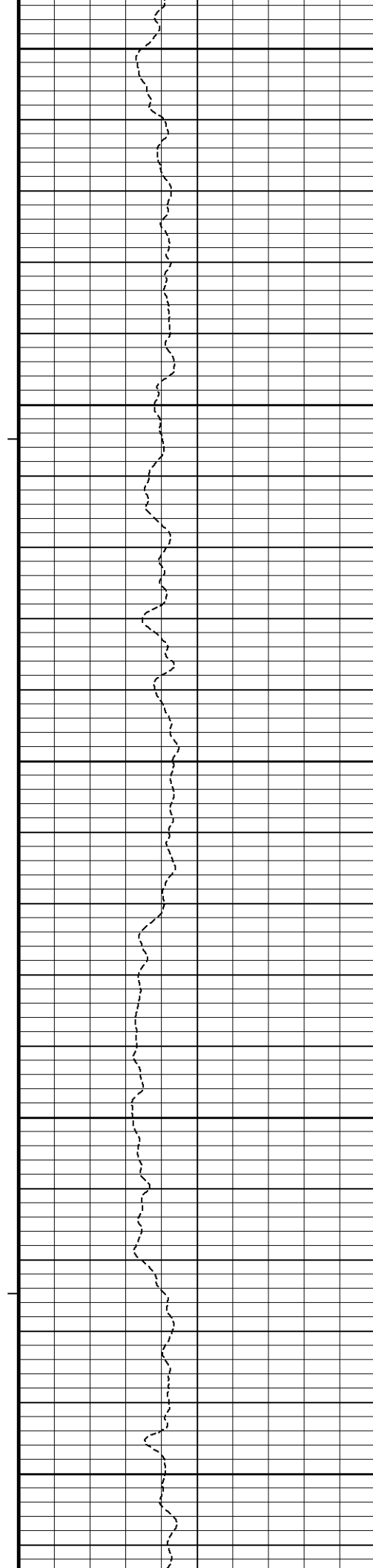
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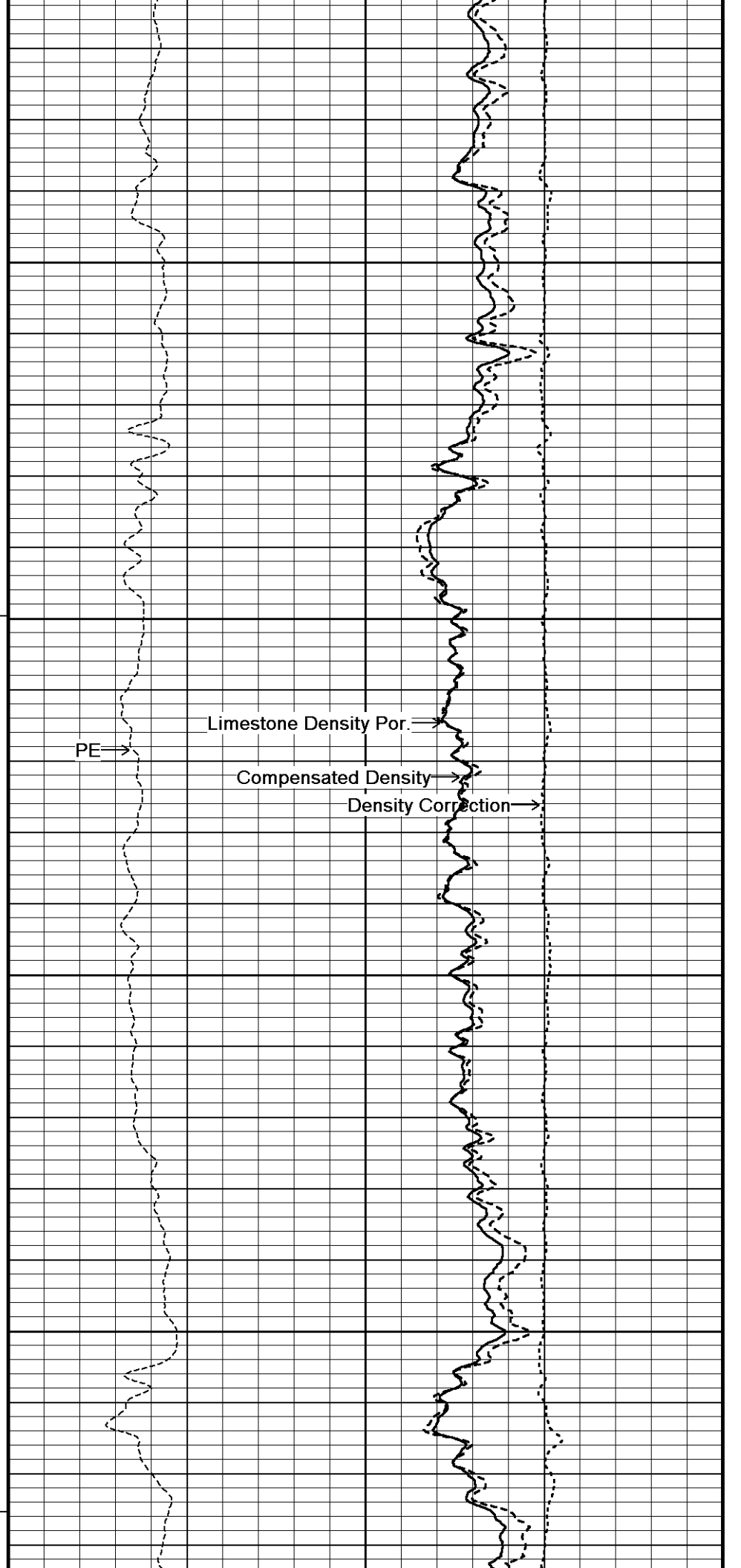
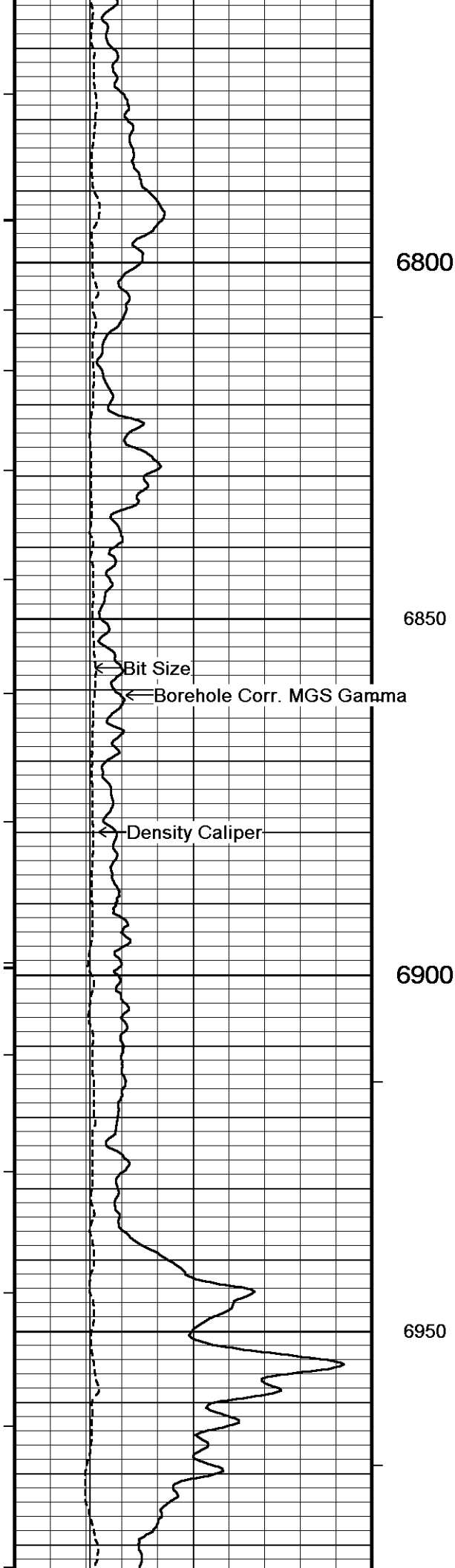
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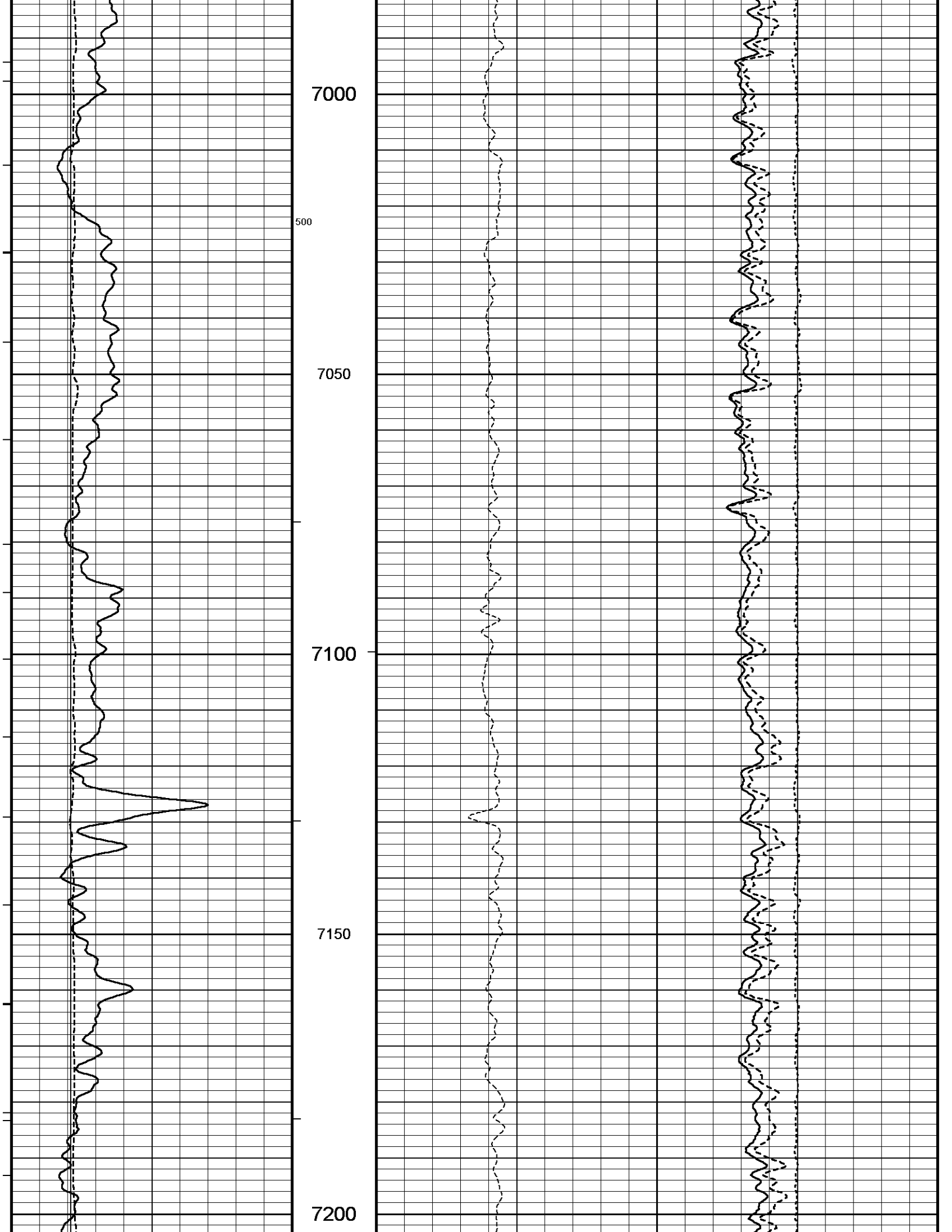
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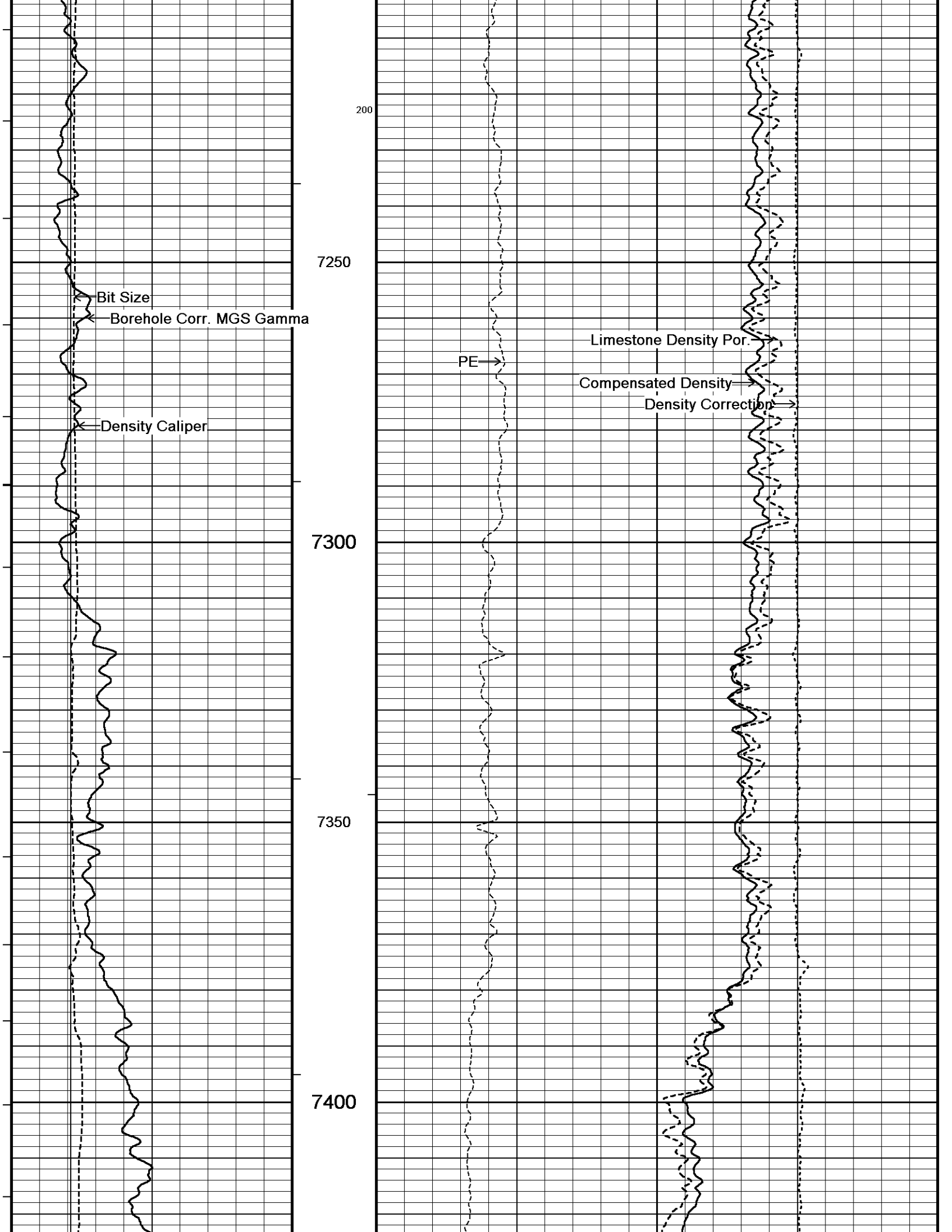
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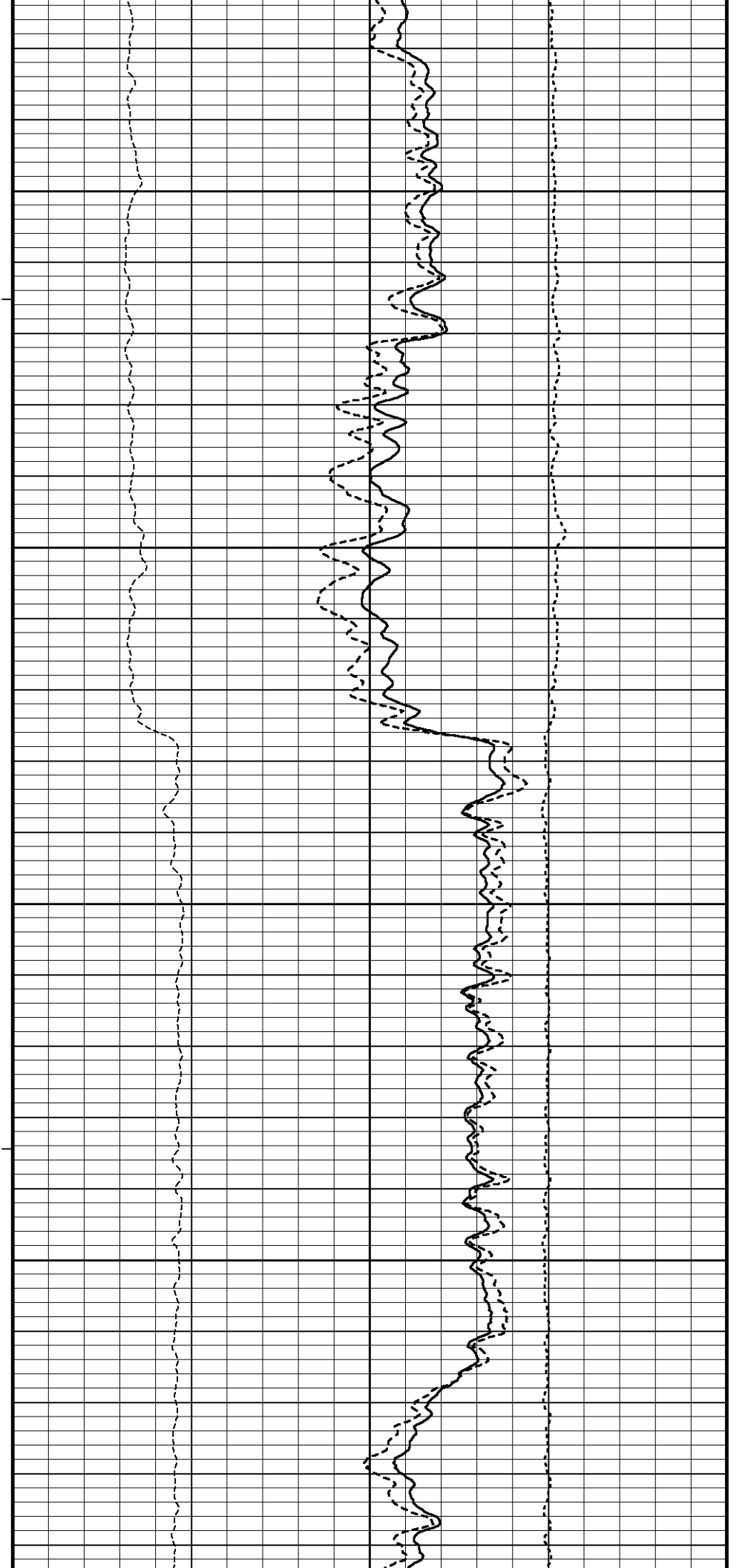
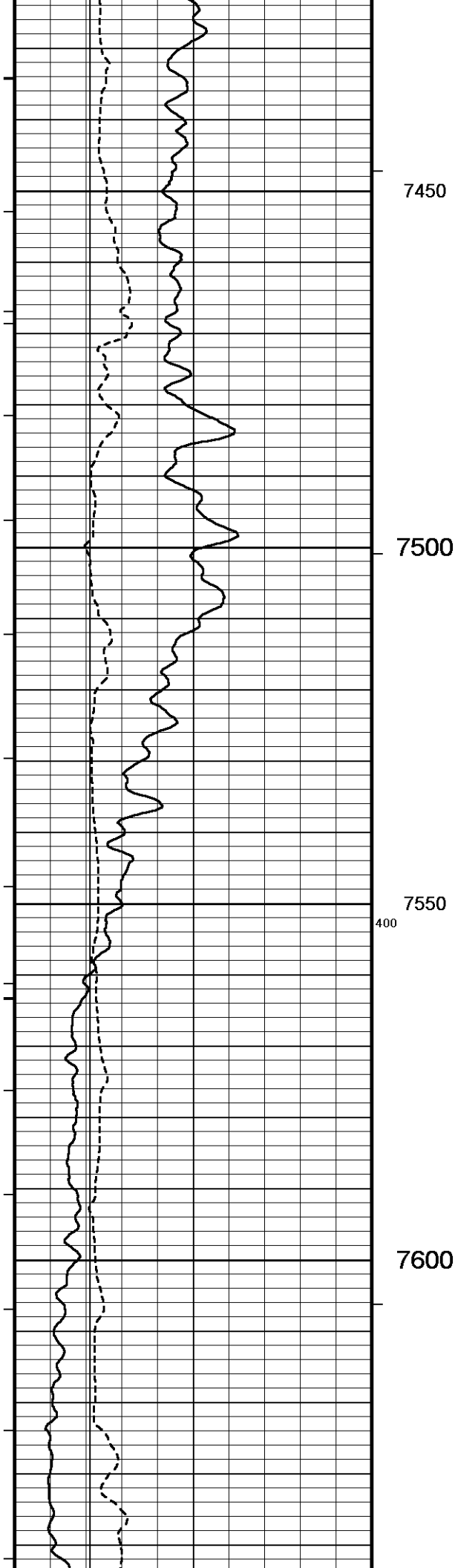
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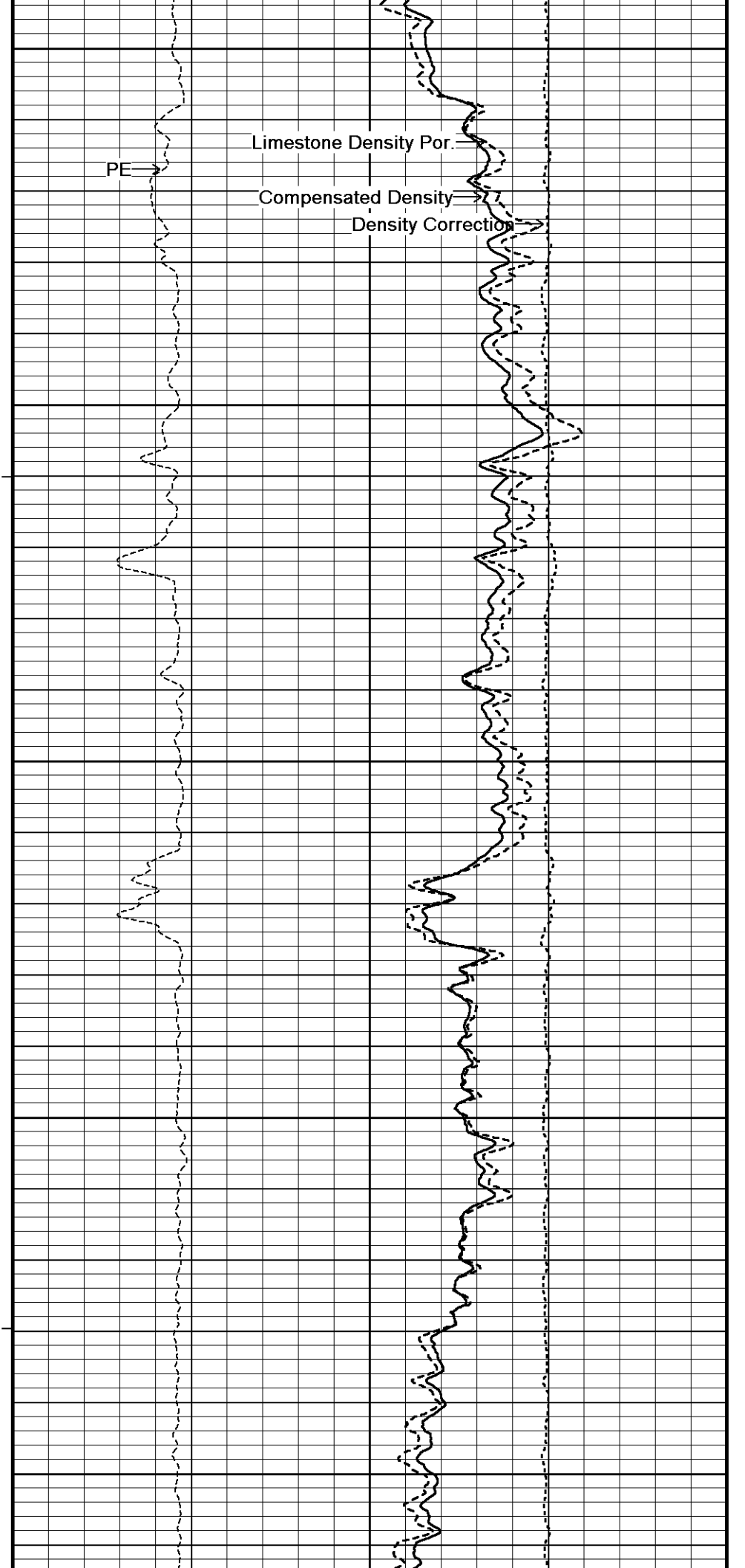
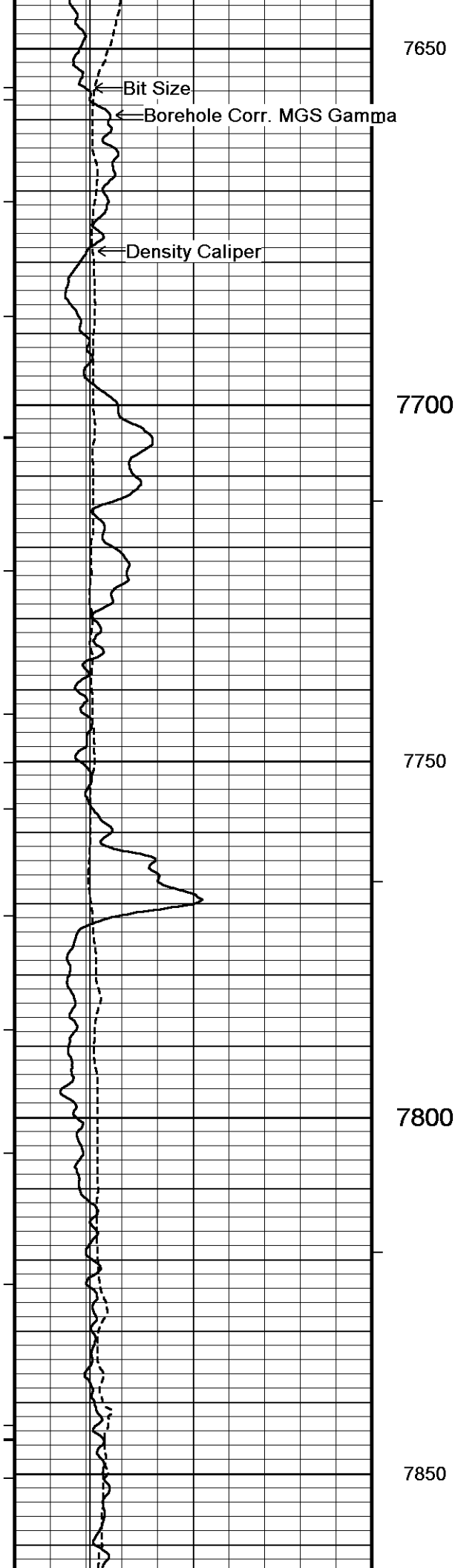


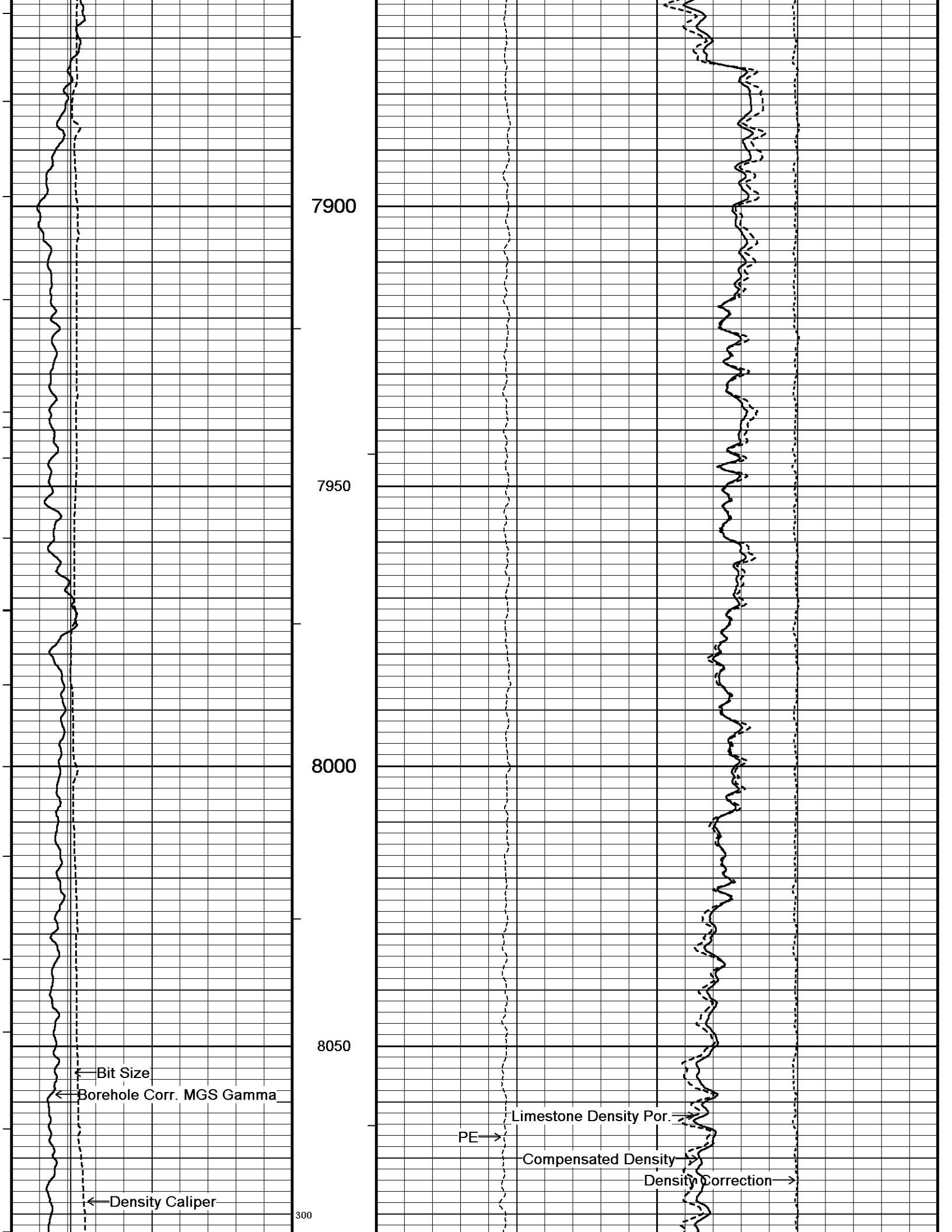


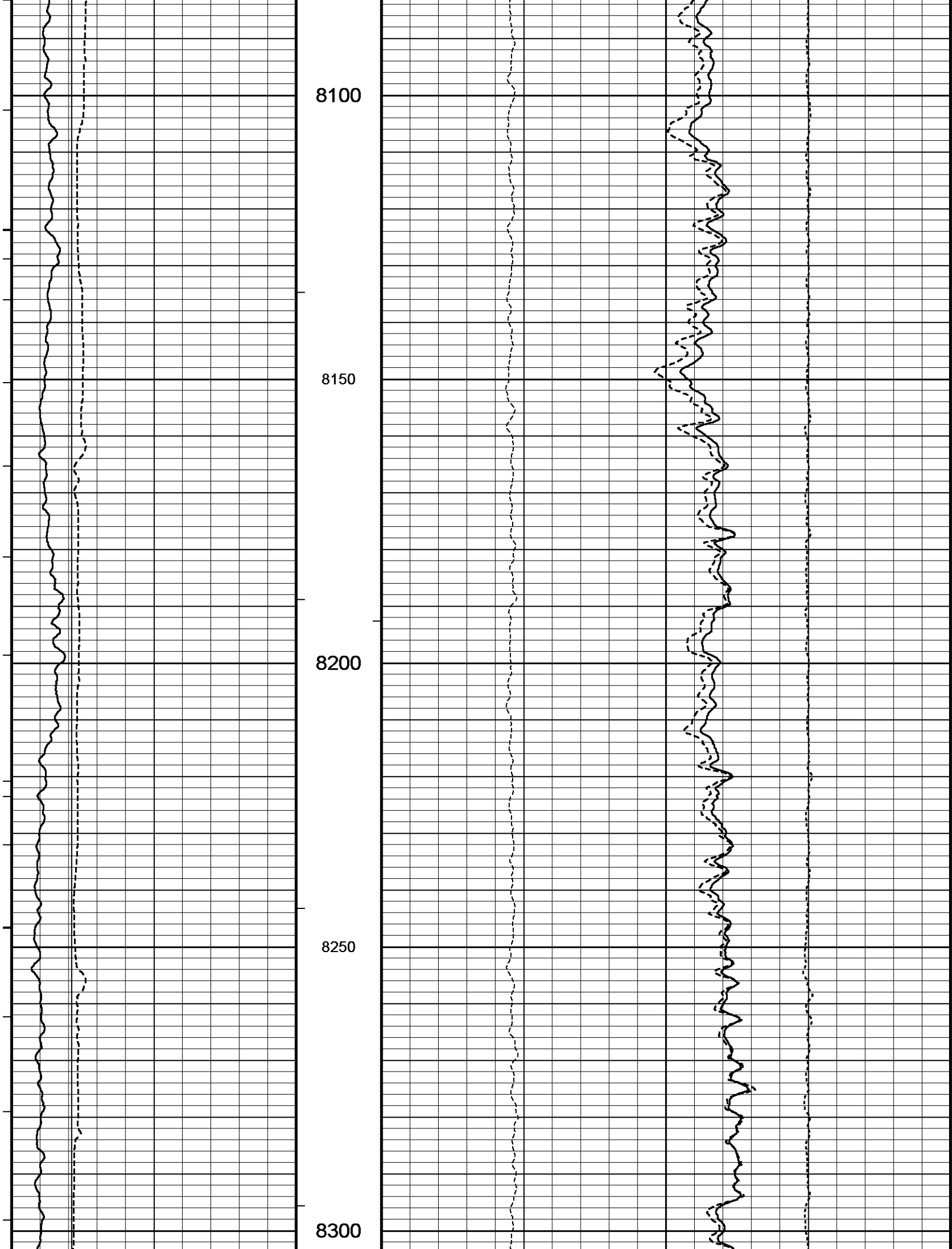


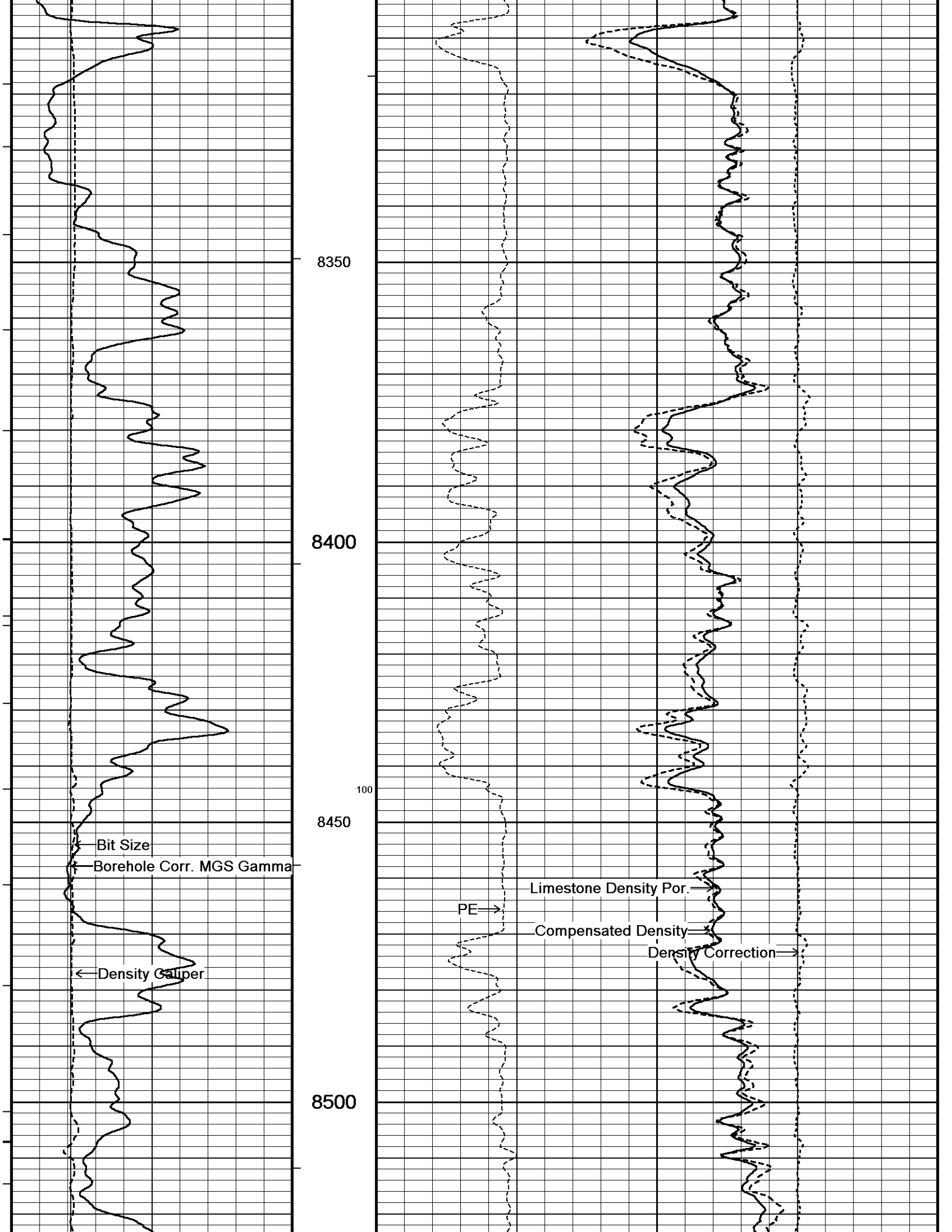


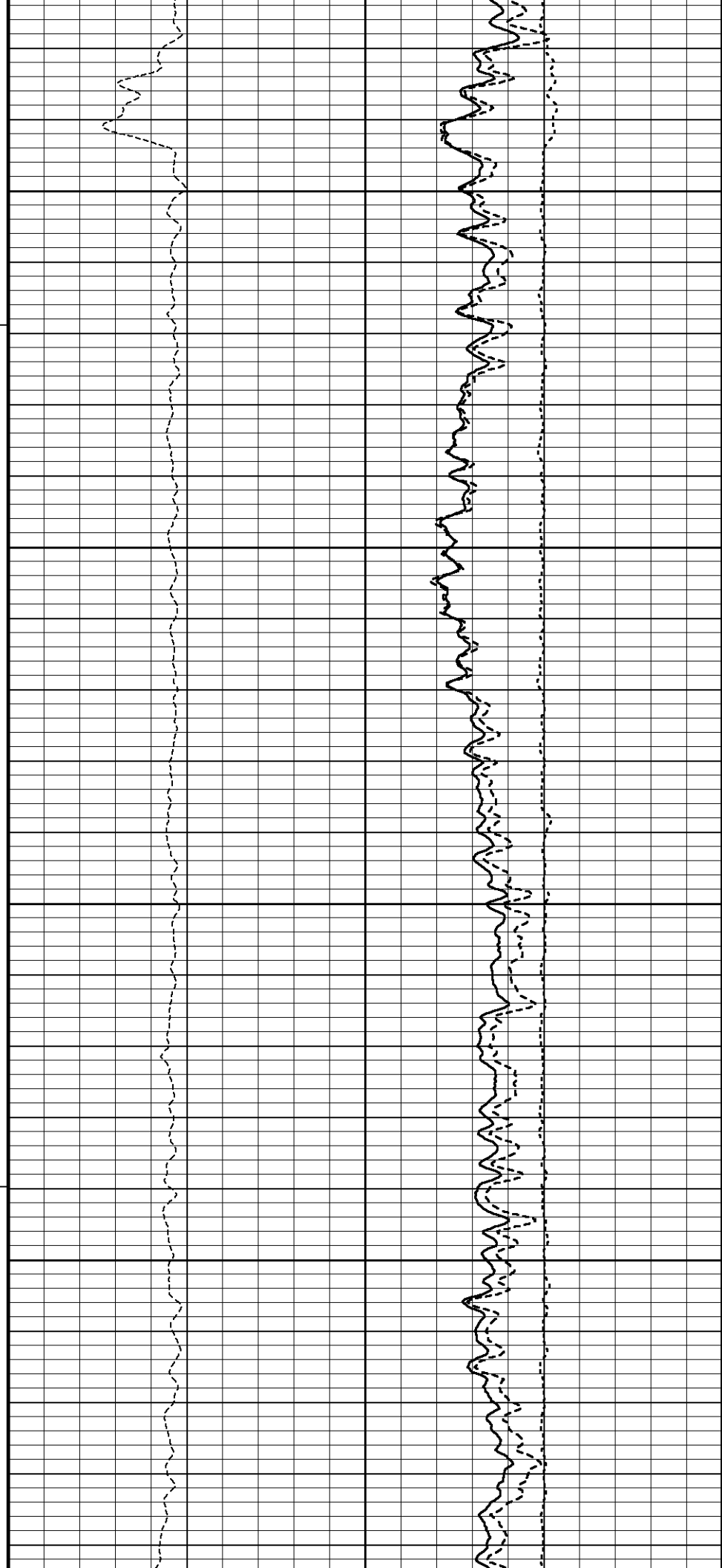
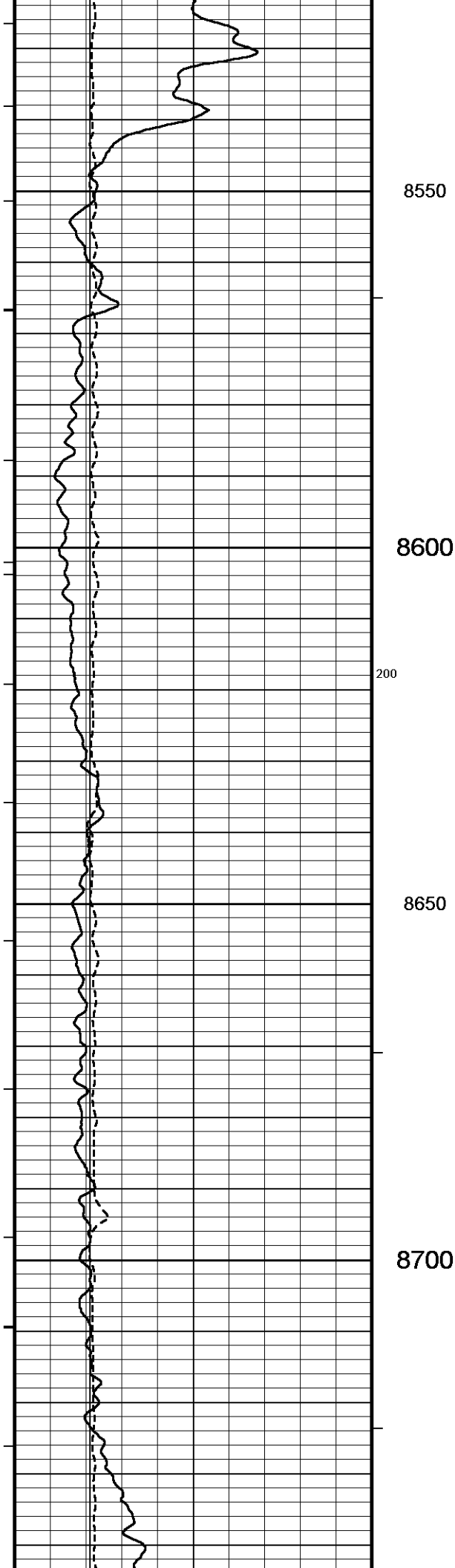


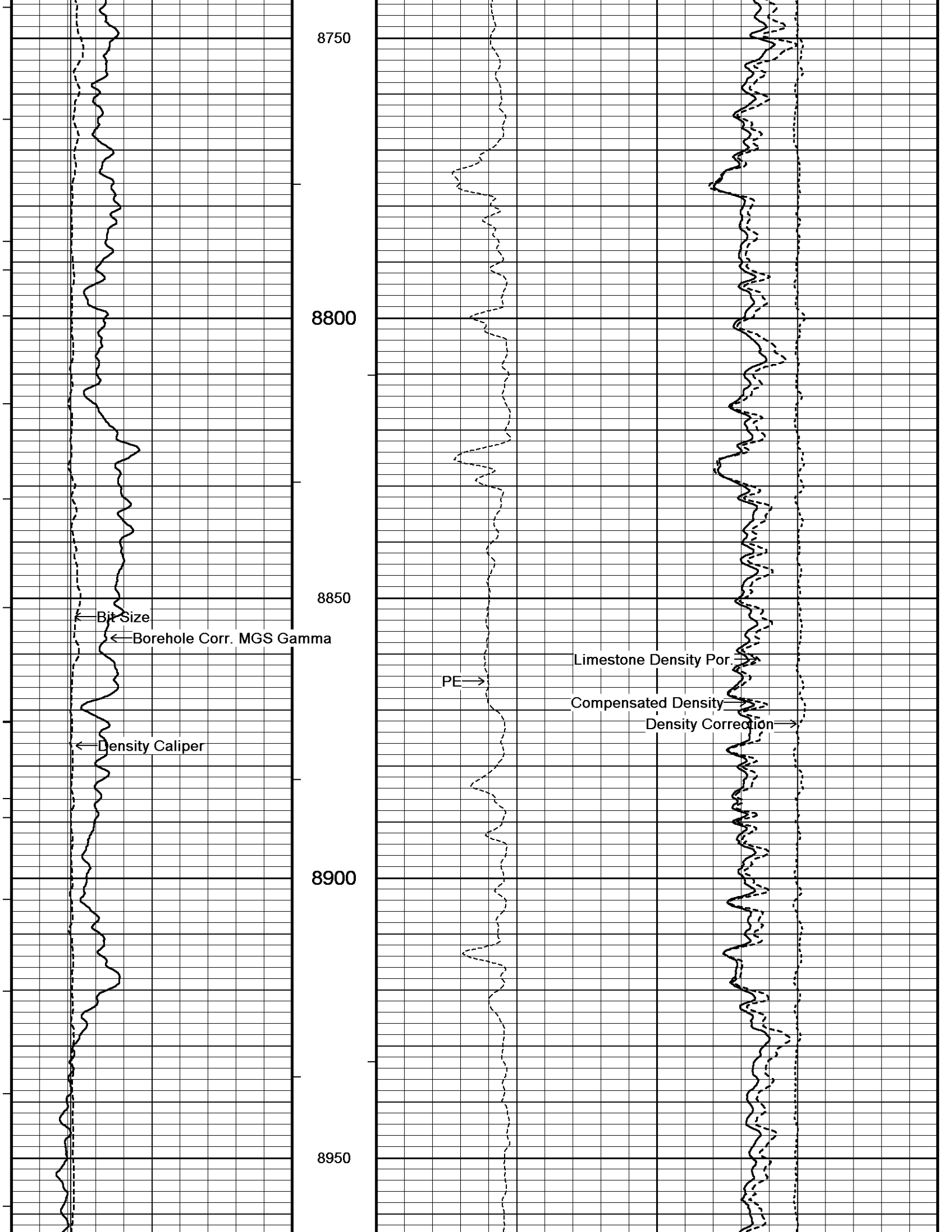


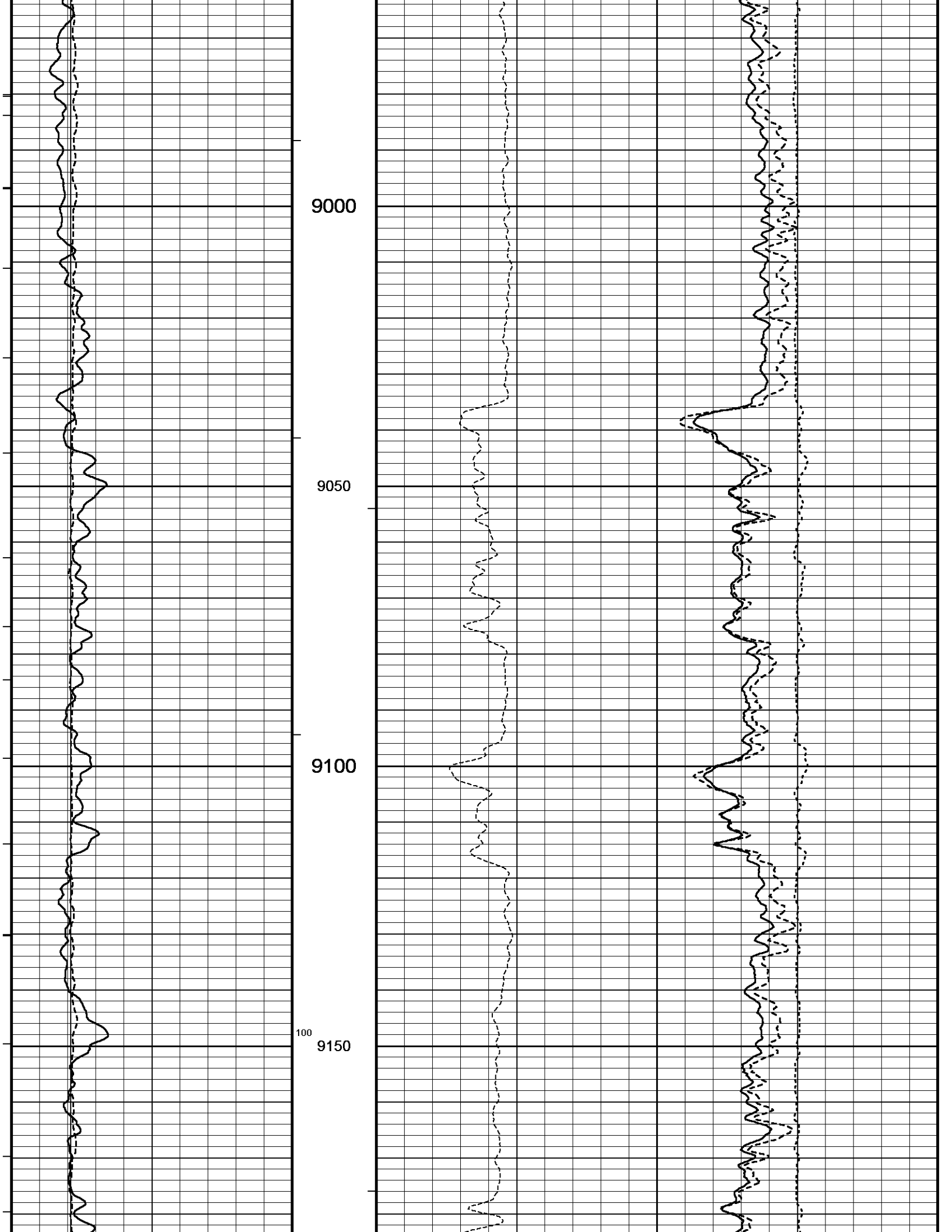


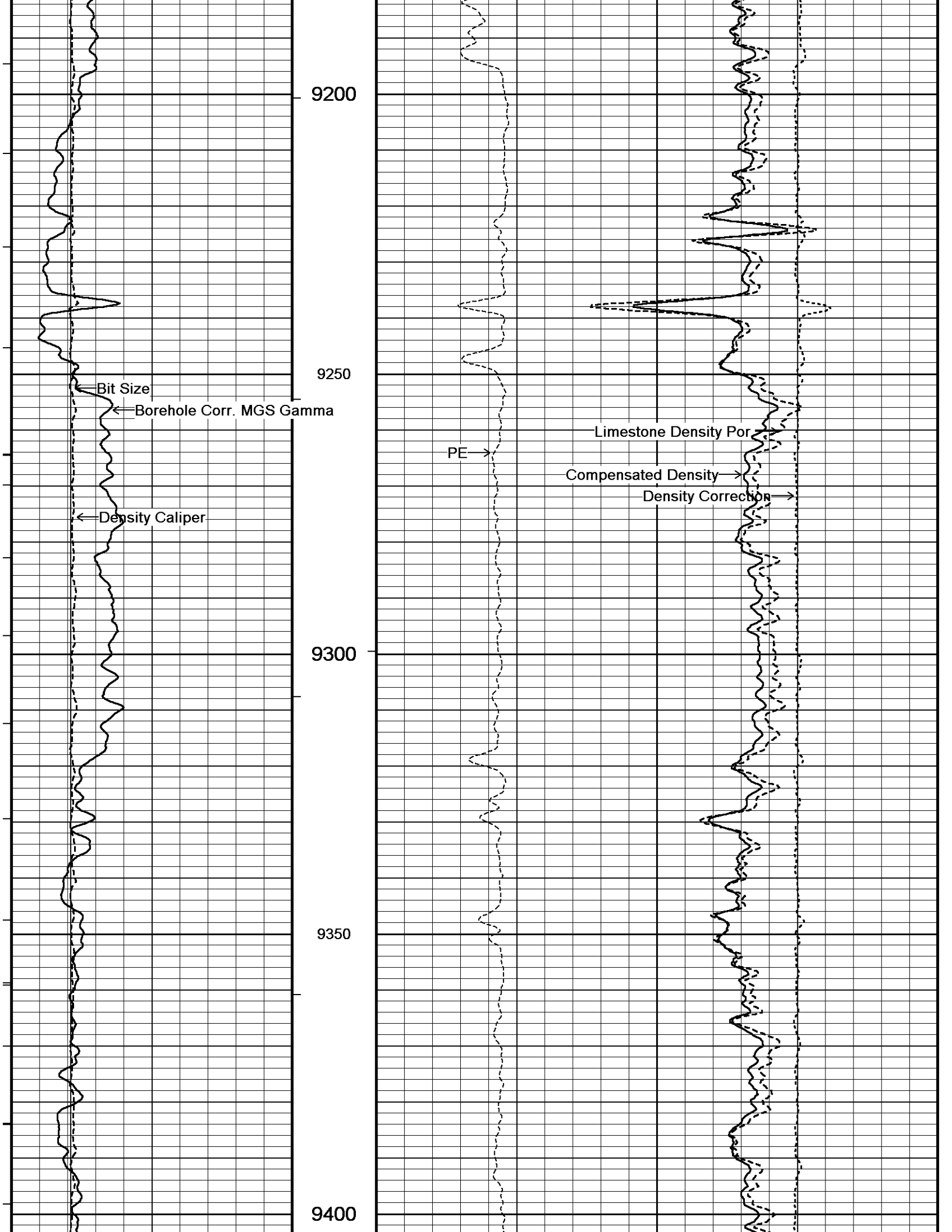


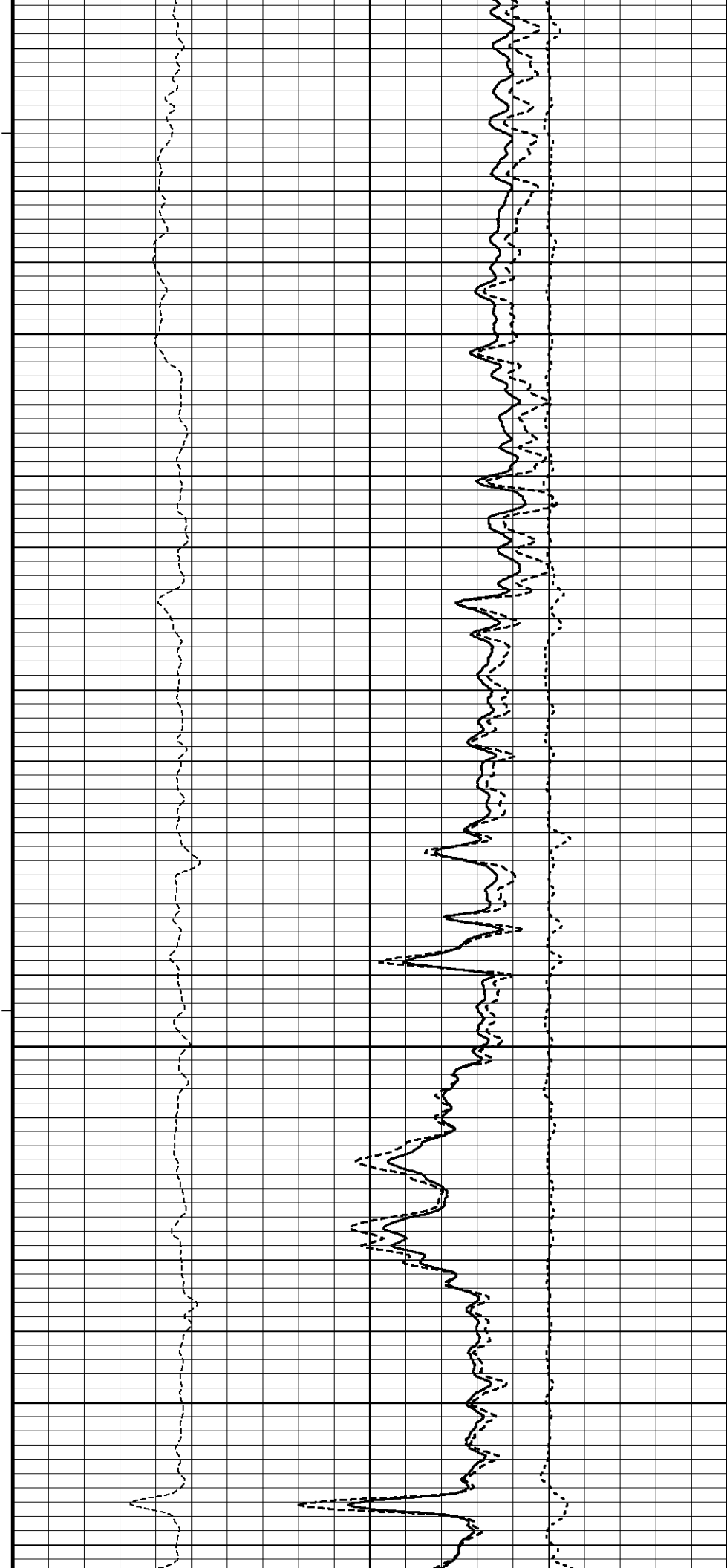
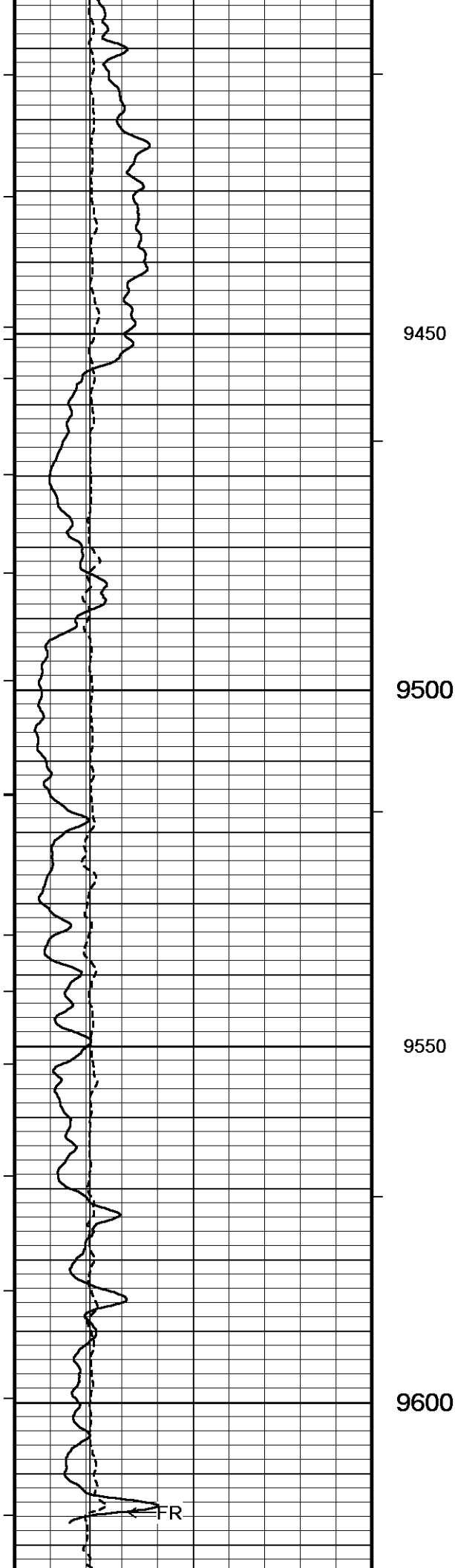


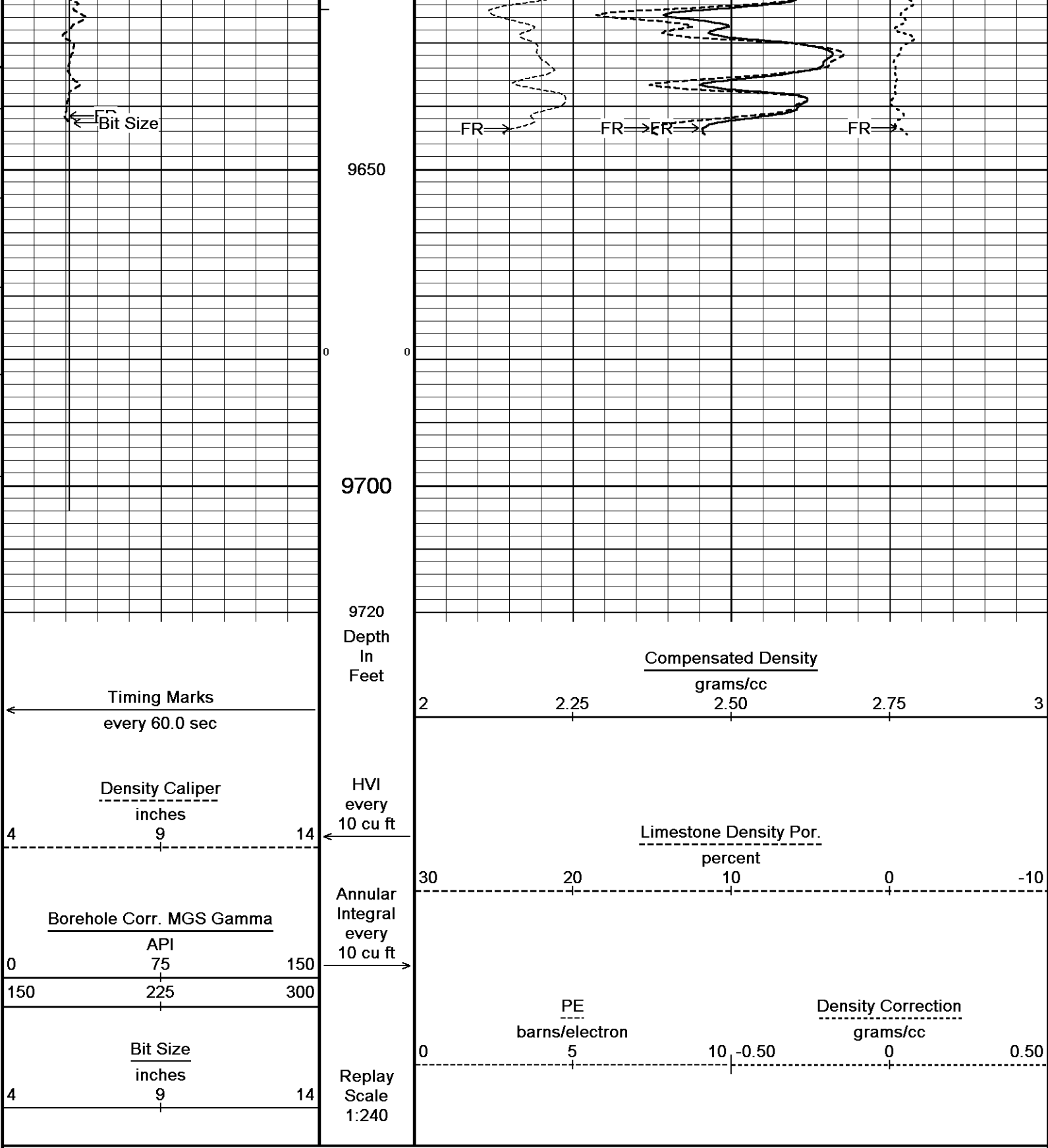












Depth Based Data - Maximum Sampling Increment 10.0cm
Filename: C:\Minimus 13.04.8492\Data\00 SDRGE (MARKS 2924 1-19H)\40202 RTAP.dta
System Versions: Processed with 13.04.8492 Plotted with 13.04.8492

5 INCH BULK DENSITY LOG

BEFORE SURVEY CALIBRATION
C:\Minimus 13.04.8492\Data\00 SDRGE (MARKS 2924 1-19H)\40202 RTAP.dta

Reading No	Measured	
1	14953.75	0.00
2	17846.38	1500.00

General Constants All 000			Last Edited on 13-FEB-2013,09:35
General Parameters			
Mud Resistivity	0.550	ohm-metres	
Mud Resistivity Temperature	50.000	degrees F	
Water Level	0.000	feet	
Borehole Fluid Processing	Wet Hole		
Hole/Annular Volume and Differential Caliper Parameters			
HVOL Method	XY Caliper		
HVOL Caliper 1	MIE Caliper X		
HVOL Caliper 2	MIE Caliper Y		
Annular Volume Diameter	4.500	inches	
Caliper for Differential Caliper	None		
Rwa Parameters			
Porosity used	Limestone Density Por.		
Resistivity used	Array Ind. Six Res Rt		
RWA Constant A	0.610		
RWA Constant M	2.150		

Down-hole Tension Calibration SMS 0		Field Calibration on 05-SEP-2012,13:01	
Reading No	Measured	Calibrated (lbs)	
1	15152.07	0.00	
2	18386.74	2000.00	

Strain Gauge Constants MMS-E.B 167		Last Edited on 02-FEB-2013,08:19	
Atmospheric Pressure	14.70	psi	
Serial Number	262784		
Calibration Date	21-Jan-2011		
Base Check Date			
Dead Weight Serial Number	0		
Dead Weight Gravitational Correction	1.0		
Temperature	75.0	150.0	250.0 350.0 degrees F
Pressure psia	Inc. Dec.	Inc. Dec.	Inc. Dec.
0.0	0.038 0.038	0.049 0.049	0.063 0.063 0.077 0.078
3000.0	5.218 5.220	5.230 5.232	5.244 5.246 5.257 5.259
6000.0	10.409 10.412	10.422 10.425	10.436 10.440 10.447 10.452
9000.0	15.610 15.615	15.623 15.628	15.638 15.643 15.650 15.656
12000.0	20.823 20.826	20.837 20.841	20.853 20.857 20.866 20.869
15000.0	26.048	26.064	26.081 26.093

High Resolution Temperature Calibration MGS-C.J 136		Field Calibration on 12-FEB-2013,10:08	
	Measured	Calibrated(Deg F)	
Lower	0.00	0.00	
Upper	0.00	0.00	

High Resolution Temperature Constants MGS-C.J 136		Last Edited on 12-FEB-2013,10:08	
Pre-filter Length	11		

SP Calibration MGS-C.J 136		Field Calibration on 12-FEB-2013,10:08	
	Measured	Calibrated (mV)	
Reference 1	102.2	98.7	
Reference 2	-94.7	-98.3	

Gamma Calibration MGS-C.J 136		Field Calibration on 12-FEB-2013 10:24	
	Measured	Calibrated (API)	
Background	93	65	
Calibrator (Gross)	1901	1326	
Calibrator (Net)	1808	1261	

Gamma Constants MGS-C.J 136		Last Edited on 12-FEB-2013,19:24	
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Gamma Calibrator Number	BLUE	
Mud Density	1.08	gm/cc
Caliper Source for Processing	Density Caliper	
Tool Position	Eccentred	
Concentration of KCl	0.00	kppm

Neutron Calibration MDN-B.J 390					Base Calibration on 12-FEB-2013,10:08	
					Field Check on 12-FEB-2013 10:28	
Base Calibration						
		Measured		Calibrated (cps)		
		Near	Far	Near	Far	
		2954	90	3714	110	
Ratio		32.847		33.764		
Field Calibrator at Base						
				Calibrated (cps)		
				1273	1896	
Ratio				0.671		
Field Check						
				Calibrated (cps)		
Ratio				0.675		

Neutron Constants MDN-B.J 390			Last Edited on 12-FEB-2013,19:24	
Neutron Source Id	p33312b			
Neutron Jig Number	blue			
Epithermal Neutron	No			
Caliper Source for Processing	Density Caliper			
Stand-off	0.00	inches		
Mud Density	1.08	gm/cc		
Limestone Sigma	7.10	cu		
Sandstone Sigma	4.26	cu		
Dolomite Sigma	4.70	cu		
Formation Pressure Source	None			
Formation Pressure	N/A	kpsi		
Temperature Source	None			
Temperature	N/A	degrees F		
Mud Salinity	0.00	kppm		
Salinity Correction	Not Applied			
Formation Fluid Salinity Source	None			
Formation Fluid Salinity	N/A	kppm		
Barite Mud Correction	Not Applied			

Caliper Calibration MIE-A.J 233			Base Calibration on 12-FEB-2013 10:35		
			Field Calibration on 12-FEB-2013 10:37		
Base Calibration					
Reading No	Pads 1-5 Meas.	Pads 3-7 Meas.	Calibrator Size (in)		
1	27417	27508	6.00		
2	37578	37810	8.01		
3	48010	47844	10.01		
4	60114	59789	12.13		
5	0	0	0.00		
Reading No	Pad 2 Meas.	Pad 4 Meas.	Pad 6 Meas.	Pad 8 Meas.	Calibrator Size (in)
1	26967	24850	25731	26459	6.00
2	36133	32977	33726	35347	8.01
3	44667	41657	42931	44525	10.01
4	54963	51980	53342	54805	12.13
5	0	0	0	0	0.00
Field Calibration					
	Measured	Measured	Actual		
	Pads 1-5 Caliper(in)	Pads 3-7 Caliper(in)	Caliper(in)		
	6.04	6.06	6.01		
	Measured	Measured	Measured	Measured	Actual
	Pad 2 Caliper(in)	Pad 4 Caliper(in)	Pad 6 Caliper(in)	Pad 8 Caliper(in)	Caliper(in)
	3.07	3.00	2.94	2.97	6.01

Caliper Constants MIE-A.J 233			Last Edited on 10-NOV-2012 06:39		
Caliper Difference for BRKT	0.120	inches			

Accelerometer Parameters MIE-A.J 233

Accelerometer Parameters MIE-A.J 233

Date Of Last Accelerometer Calibration	11-JUL-2012,16:04		
	X Accelerometer	Y Accelerometer	Z Accelerometer
Slope	-1.103264	-1.116469	-1.106207
Offset	0.010635	0.006475	0.004891

Accelerometer Constants MIE-A.J 233

Last Edited on 14-JAN-2013,13:07

Accelerometer Calibrator Number		000			
Accelerometer Temperature Characterisation					
X Accelerometer					
Serial Number		468			
Calibration Date		17-Dec-2007			
	B0	B1	B2	B3	
Bias(g)	0.00000e+000	-6.34516e-006	-5.01333e-009	5.89860e-011	
	SF0	SF1	SF2	SF3	
Scale Factor(mA/g)	3.00000e+000	2.86986e-004	5.01603e-007	3.36551e-011	
Y Accelerometer					
Serial Number		1073			
Calibration Date		02-May-2011			
	B0	B1	B2	B3	
Bias(g)	0.00000e+000	-1.04005e-005	2.19294e-008	-1.31489e-010	
	SF0	SF1	SF2	SF3	
Scale Factor(mA/g)	3.00000e+000	2.69223e-004	2.39527e-007	9.12553e-010	
Z Accelerometer					
Serial Number		977			
Calibration Date		20-Jan-2011			
	B0	B1	B2	B3	
Bias(g)	0.00000e+000	1.86594e-005	1.00709e-008	3.83419e-011	
	SF0	SF1	SF2	SF3	
Scale Factor(mA/g)	3.00000e+000	2.74913e-004	2.75506e-007	1.29284e-009	

Magnetometer Parameters MIE-A.J 233

Date Of Last Magnetometer Calibration	28-NOV-2012,18:05		
	X Magnetometer	Y Magnetometer	Z Magnetometer
Slope	-1.000000	-1.001739	-0.998267
Offset	-0.005746	-0.010400	0.000941

Magnetometer Constants MIE-A.J 233

Last Edited on

Magnetometer Calibrator Number	000
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Navigation Constants MIE-A.J 233

Last Edited on 30-DEC-2012,14:46

Magnetic Declination	4.75	degrees	East
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Imager Pad Check MIE-A.J 233

Field Check on

Pad 1	Pad Not Tested	Pad 5	Pad Not Tested
Pad 2	Pad Not Tested	Pad 6	Pad Not Tested
Pad 3	Pad Not Tested	Pad 7	Pad Not Tested
Pad 4	Pad Not Tested	Pad 8	Pad Not Tested

Compact Micro Imager Constants MIE-A.J 233

Last Edited on 12-FEB-2013,10:37

Sonde Configuration	Imager Mode		
Arm-Pad Kit	Normal Pads (12.25 in)		
Arm-Pad Kit Serial Number	N/A		
Centre Pad 1 Rotational Offset	0.00	degrees	
Image/Borehole Ovality Reference	Azimuth of Pad 1		
Non Active Buttons	Omit		
Search Angle	0.00	degrees	
Correlation Interval	3.28	feet	
Correlation Step	1.64	feet	
Current Offset	0.0000	mAmp	
Squasher Start	N/A	mAmp	
Image Processing	Enabled		

Base Calibration

Test Loop Calibration

Channel	Measured		Calibrated (mmho/m)	
	Low	High	Low	High
1	17.2	475.3	9.3	966.2
2	6.1	381.2	7.6	821.4
3	3.8	265.2	5.2	566.0
4	2.7	132.2	2.6	279.2

Array Temperature 22.3 Deg F

Channel	Base Check (mmho/m)		Field Check (mmho/m)	
	Low	High	Low	High
1			10.8	3816.2
2			29.5	3533.0
3			26.9	2983.7
4			17.8	2099.1
Deep			14.7	1945.2
Medium			40.8	3890.6
Shallow			46.4	5239.9

Array Temperature 45.2 Deg F

Induction Constants MAI-A.A 158

Last Edited on 13-FEB-2013,09:35

Induction Model	RtAP-WBM		
Caliper for Borehole Corr.	Density Caliper		
Hole Size for Borehole Correction	N/A	inches	
Tool Centred	No		
Stand-off Type	Fins		
Stand-off	0.50	inches	
Number of Fins on Stand-off	0.0000		
Stand-off Fin Angle	60.00	degrees	
Stand-off Fin Width	0.0000	inches	
Borehole Corr. Rm Source	Temperature Corr		
Temp. for Rm Corr.	MGS External Temperature		
Squasher Start	0.0020	mhos/metre	
Squasher Offset	N/A	mhos/metre	
Borehole Normalisation			
DRM1	0.0000	DRC1	0.0000
DRM2	0.0000	DRC2	0.0000
MRM1	0.0000	MRC1	0.0000
MRM2	0.0000	MRC2	0.0000
SRM1	0.0000	SRC1	0.0000
SRM2	0.0000	SRC2	0.0000

Calibration Site Corrections

Channel 1	0.00	mmhos/metre
Channel 2	0.00	mmhos/metre
Channel 3	0.00	mmhos/metre
Channel 4	0.00	mmhos/metre

Apparent Porosity and Water Saturation Constants

Archie Constant (A)	1.00	
Cementation Exponent (M)	2.00	
Saturation Exponent (N)	2.00	
Saturation of Water for Apor	100.00	percent
Resistivity of Water for Apor and Sw	0.05	ohm-m
Resistivity of Mud Filtrate for Sw	0.00	ohm-m
Source for Rt	0.00	
Source for Rxo	0.00	

High Resolution Temperature Calibration MAI-A.A 158

Field Calibration on 12-FEB-2013,10:07

	Measured	Calibrated(Deg F)
Lower	0.00	0.00
Upper	0.00	0.00

High Resolution Temperature Constants MAI-A.A 158

Last Edited on 12-FEB-2013,10:07

Caliper Calibration MPD-C.J 435

Base Calibration on 12-FEB-2013,10:08

Field Calibration on 12-FEB-2013 10:29

Base Calibration

Reading No	Measured	Calibrator Size (in)
1	16608	4.01
2	26160	5.96
3	36208	7.98
4	45936	9.86
5	56688	11.88
6	N/A	N/A

Field Calibration

Measured Caliper (in)	Actual Caliper (in)
5.90	5.96

Photo Density Calibration MPD-C.J 435

Base Calibration on 12-FEB-2013,10:07

Field Check on 12-FEB-2013 10:17

Density Calibration

Base Calibration	Measured		Calibrated (sdu)	
	Near	Far	Near	Far
Reference 1	56419	27206	59869	31110
Reference 2	23392	2610	24557	2522

Field Check at Base

1291.0 1337.1

Field Check

1287.5 1331.8

PE Calibration

Base Calibration	Measured		Calibrated
	WS	WH	Ratio
Background	233	1153	
Reference 1	22844	56212	0.411
Reference 2	6353	23241	0.277

Field Check at Base

233.0 1152.9

Field Check

236.2 1149.6

Density Constants MPD-C.J 435

Last Edited on 12-FEB-2013,19:24

Density Source Id	p21137b
Nylon Calibrator Number	633
Aluminium Calibrator Number	633
Density Shoe Profile	4 inch
Caliper Source for Processing	Density Caliper
PE Correction to Density	Not Applied
Mud Density	1.08 gm/cc
Mud Density Z/A Multiplier	1.11
Mud Filtrate Density	1.00 gm/cc
Dry Hole Mud Filtrate Density	1.00 gm/cc
DNCT	0.00 gm/cc
CRCT	0.00 gm/cc
Density Z/A Correction	Hybrid
Matrix Density (gm/cc)	Depth (ft)
2.71	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00

RUNNING TOOL

MLK-A 1 LG: 4.87 ft WT: 30.9 lb OD: 2.24 in

SKJ-E.B Compact Knuckle Joint

SKJ-E.B 424 LG: 2.17 ft WT: 24.3 lb OD: 2.24 in

Spacer-Empty Battery

MLK-A 2 LG: 14.23 ft WT: 30.9 lb OD: 2.24 in

Spacer-Empty Battery

MLK-A 3 LG: 14.23 ft WT: 30.9 lb OD: 2.24 in

MBS-G.A 200v Compact Battery Sub

MBS-G.A 117 LG: 17.06 ft WT: 123.5 lb OD: 2.24 in

Compact Memory Sub E.B

MMS-E.B 167 LG: 5.20 ft WT: 37.5 lb OD: 2.24 in

Compact Tool Isolator sub.

MTI-B.A 67 LG: 1.54 ft WT: 13.2 lb OD: 2.24 in

Compact Short Gamma

MGS-C.J 136 LG: 3.41 ft WT: 24.3 lb OD: 2.24 in

Compact Collar Locator

MCL-B.J 60 LG: 3.17 ft WT: 26.5 lb OD: 2.24 in

SKJ-D.A Compact Knuckle Joint

SKJ-D.A 41 LG: 2.17 ft WT: 24.3 lb OD: 2.24 in

SHA-J.A Compact Swivel Head Adaptor

SHA-J.A 454 LG: 2.30 ft WT: 22.0 lb OD: 2.24 in

MIS-A.A Compact Inline Bowspring sub

MIS-A.A 260 LG: 5.70 ft WT: 33.1 lb OD: 2.24 in

Compact Neutron

MDN-B.J 390 LG: 5.04 ft WT: 50.7 lb OD: 2.24 in

Compact Density/Caliper

MPD-C.J 435 LG: 9.59 ft WT: 90.4 lb OD: 2.24 in

MIS-A.A Compact Inline Bowspring sub

MIS-A.A 15 LG: 5.70 ft WT: 33.1 lb OD: 2.24 in

SHA-F Compact Swivel Head Adaptor

SHA-F 33 LG: 2.74 ft WT: 26.5 lb OD: 2.24 in

SKJ-D.A Compact Knuckle Joint

SKJ-D.A 42 LG: 2.17 ft WT: 24.3 lb OD: 2.24 in

MIS-A.A Compact Inline Bowspring sub

MIS-A.A 18 LG: 5.70 ft WT: 33.1 lb OD: 2.24 in

Compact MMI Memory Section

MIM-B.A 254 LG: 4.65 ft WT: 26.5 lb OD: 2.24 in

Compact MMI Electrode Section

MIE-A.J 233 LG: 13.96 ft WT: 99.2 lb OD: 4.09 in



86.18 ft

GGME - Borehole Corr. MGS Gamma

84.19 ft

GSXT - MGS External Temperature

82.18 ft

GCSL - MCL C. Collar Locator

67.31 ft

NPRL - Limestone Neutron Por.

60.07 ft

CLDC - Density Caliper

58.14 ft

DPRL - Limestone Density Por.

58.14 ft

DEN - Compensated Density

58.14 ft

DCOR - Density Correction

58.08 ft

PDPE - PE

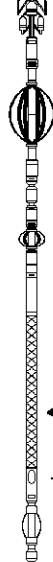
MIS-A.A Compact Inline Bowspring sub
MIS-A.A 170 LG: 5.70 ft WT: 33.1 lb OD: 2.24 in

SKJ-E.B Compact Knuckle Joint
SKJ-E.B 469 LG: 2.17 ft WT: 24.3 lb OD: 2.24 in

MIS-B Compact Inline Standoff sub
MIS-B 27 LG: 2.14 ft WT: 15.4 lb OD: 2.24 in

Compact Induction
MAI-A.A 158 LG: 12.52 ft WT: 48.5 lb OD: 2.24 in

Total Length: 148.10 ft Weight: 925.9 lb



3.34 ft R30S - Array Ind. Six Res 30
3.34 ft R20S - Array Ind. Six Res 20
3.34 ft CTAS - Array Ind. Six Cond Ct
3.34 ft R40S - Array Ind. Six Res 40
3.34 ft R60S - Array Ind. Six Res 60
3.34 ft R85S - Array Ind. Six Res 85
3.34 ft RTAS - Array Ind. Six Res Rt
Tool Zero (1.84ft from bottom)
All measurements relative to tool zero.

COMPANY	SANDRIDGE ENERGY
WELL	MARKS 2924 1-19H
FIELD	MISSISSIPPIAN / ST. LOUIS
PROVINCE/COUNTY	FORD
COUNTRY/STATE	USA / KANSAS

Elevation Kelly Bushing	2631.60	feet	First Reading	9699.00	feet
Elevation Drill Floor	2631.60	feet	Depth Driller	9720.00	feet
Elevation Ground Level	2612.00	feet	Depth Logger	9702.00	feet



Weatherford®

CML MESSENGER SHUTTLE
ARRAY INDUCTION
ELECTRIC LOG