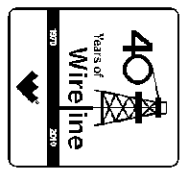




Weatherford

**COMPACT WELL SHUTTLE
COMPENSATED PHOTO DENSITY
COMPENSATED DUAL NEUTRON LOG**

COMPANY: EXXON MOBIL CORPORATION
WELL: PICEANCE CREEK UNIT 296-5A1
FIELD: PICEANCE CREEK
PROVINCE/COUNTY: RIO BLANCO
COUNTRY/STATE: U.S.A. / COLORADO
LOCATION: SHL: 690' FNL & 561' FWL



LSD: SEC 5, TWP 2S, RGE 96W, Other Services RESISTIVITY SONIC
API Number: 05-103-1124800
Permit Number: 05-103-1124800
Permanent Datum: G.L., Elevation 7296 feet
Log Measured From: K.B. @ 30 FEET above Permanent Datum
Drilling Measured From: K.B.

Elevations: KB 7326.00, DF 7325.00, GL 7296.00

Date	05-OCT-2010
Run Number	TWO
Depth Driller	14288.00 feet
Depth Logger	14245.00 feet
First Reading	14197.00 feet
Last Reading	10098.00 feet
Casing Driller	10105.00 feet
Casing Logger	10098.00 feet
Bit Size	6.125 inches
Hole Fluid Type	GEL CHEM
Density / Viscosity	10.20 lb/USg, 52.00 CP
PH / Fluid Loss	10.00, 6.20 ml/30Min
Sample Source	FLOWLINE
Rm @ Measured Temp	2.83 @102.5 ohm-m
Rmf @ Measured Temp	2.26 @102.5 ohm-m
Rmc @ Measured Temp	3.40 @102.5 ohm-m
Source Rmf / Rmc	CALC, CALC
Rm @ BHT	1.17 @252.0 ohm-m
Time Since Circulation	3.0 HOURS
Max Recorded Temp	258.00 deg F
Equipment Name	COMPACT
Equipment / Base	13038, GDUCT
Recorded By	R. BROWN
Witnessed By	D. VIATOR

BOREHOLE RECORD			Last Edited: 04-OCT-2010 08:32
Bit Size inches	Depth From feet	Depth To feet	
6.125	10105.00	14288.00	
CASING RECORD			
Type	Size inches	Depth From feet	Shoe Depth feet
SURFACE	7.000	0.00	10105.00
Weight pounds/ft			
			24.00

REMARKS

TOOLS: COMPACT WELL SHUTTLE, GAMMA RAY, NEUTRON, DENSITY, FOCUSED ELECTRIC, SONIC, AND INDUCTION RAN IN COMBINATION.

HARDWARE: DENSITY: 4 INCH PROFILE PLATE USED.
 FOCUSED ELECTRIC: INLINE CENTRALIZERS USED.
 SONIC: INLINE CENTRALIZERS USED.
 INDUCTION: INLINE CENTRALIZERS USED.
 SINGLE BOWSPRINGS USED FOR ECENTRALIZATION OF POROSITY TOOLS.

2.65 G/CC DENSITY MATRIX USED TO CALCULATE POROSITY.

ALL INTERVALS LOGGED AND SCALED PER CUSTOMER'S REQUEST.

DEPTH CONTROL TAKEN FROM PIPE STRAP AND TIED INTO INTERMEDIATE LOGS.

TIGHT PULLS, BOREHOLE SIZE, AND RUGOSITY WILL AFFECT DATA QUALITY.

TOTAL HOLE VOLUME FROM T.D. TO INTERMEDIATE CASING = 885 CUBIC FEET

ANNULAR HOLE VOLUME FROM T.D. TO INTERMEDIATE CASING BASED ON 4.5 INCH PRODUCTION CASING = 425 CUBIC FEET.

EXCESSIVE NOISE ON THE 4 FOOT AND 5 FOOT SONIC TRANSIT TIMES DUE TO A PARTIALLY DAMAGED TOOL. DT34 CURVE WAS PRESENTED INSTEAD OF DT35 CURVE.

ENGINEER(S): R. BROWN

OPERATORS: R. SYERS

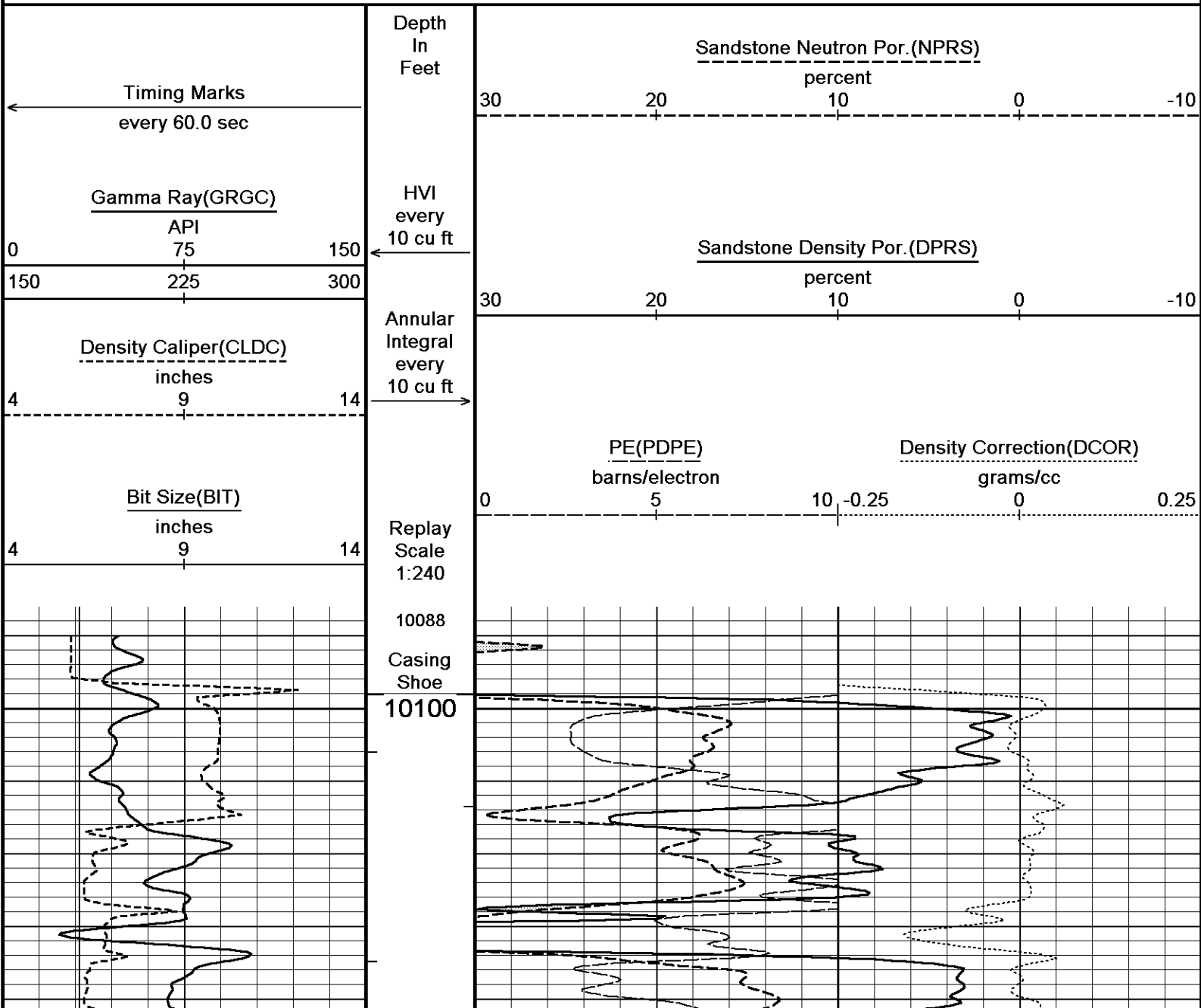
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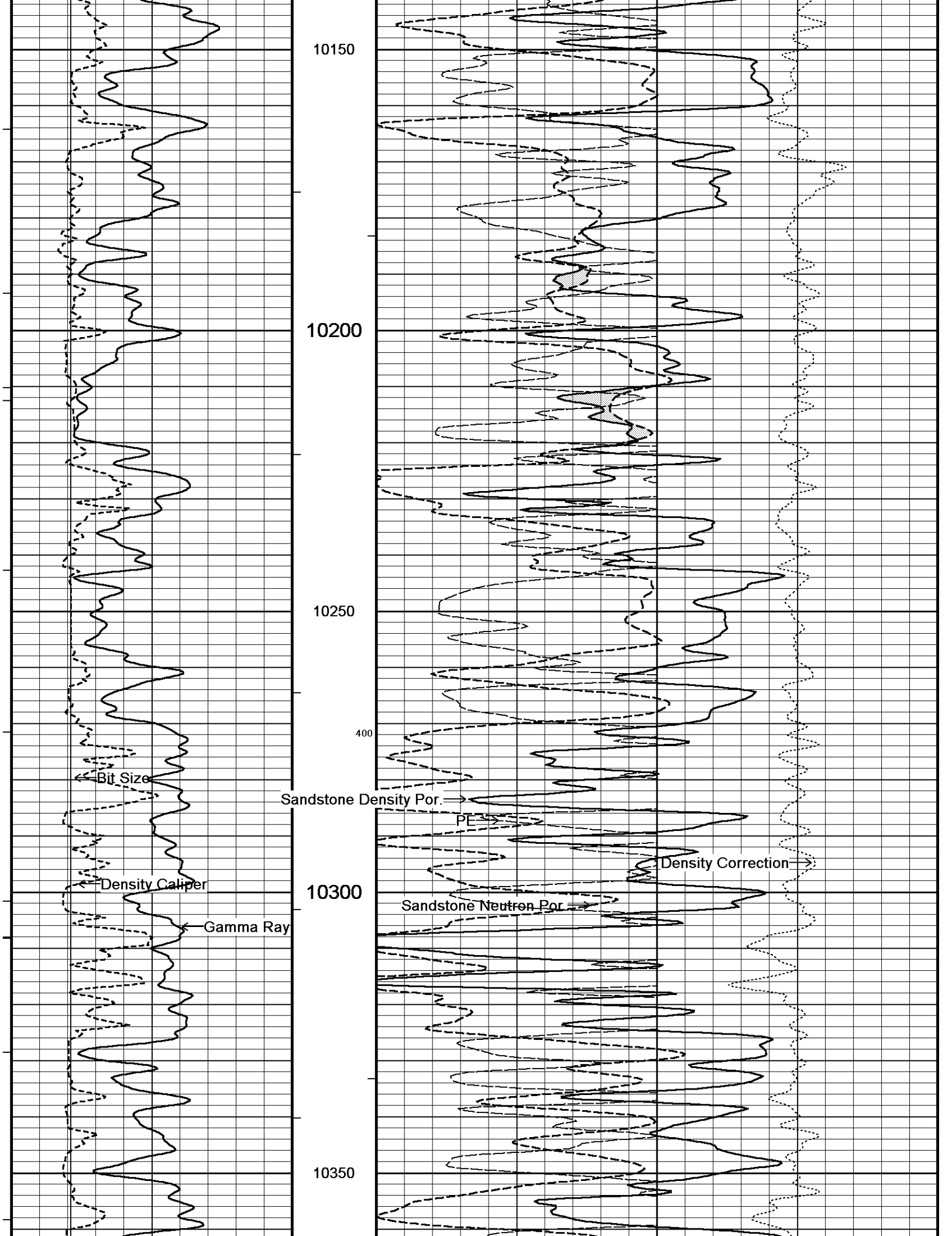
RIG: HP 321

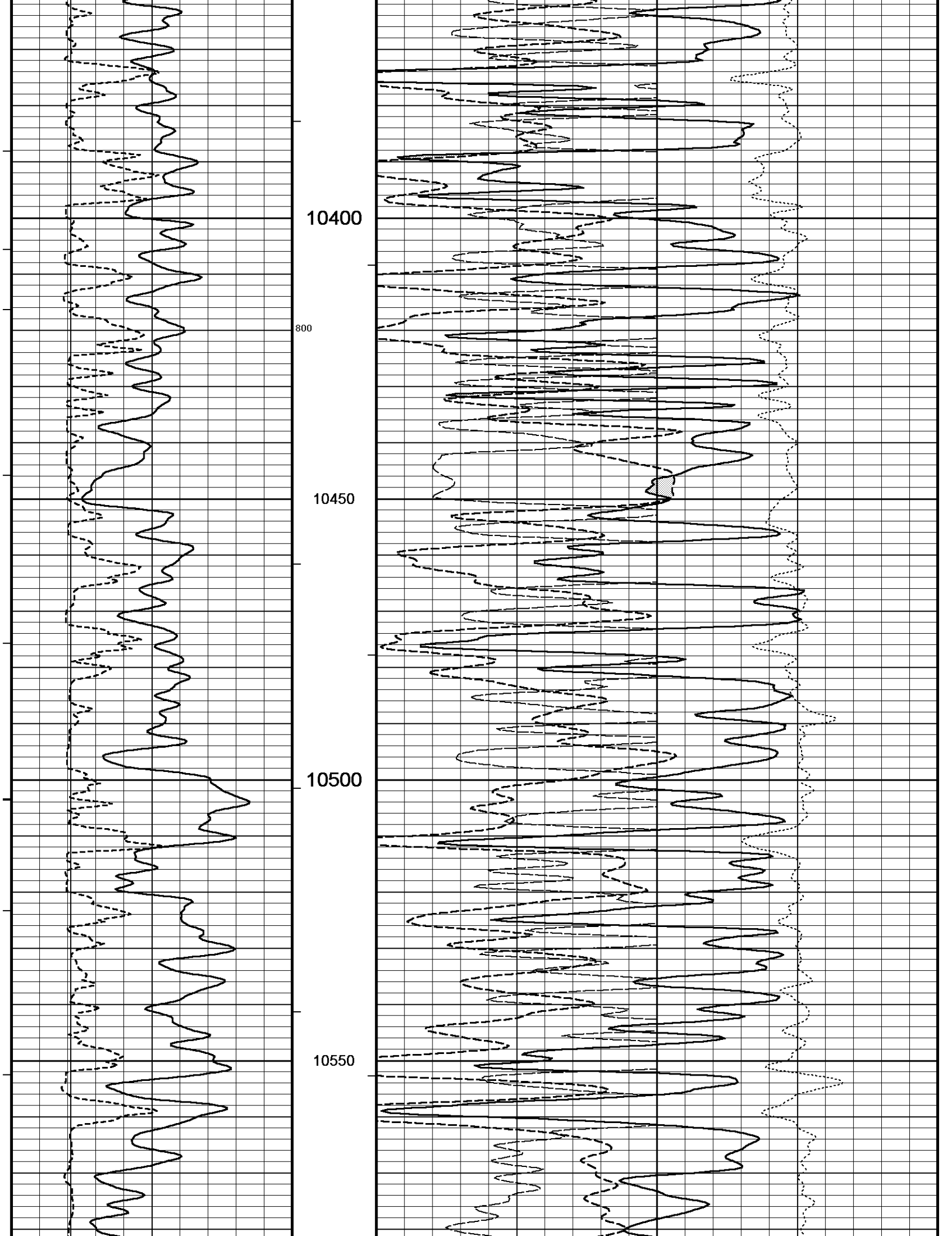
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs,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

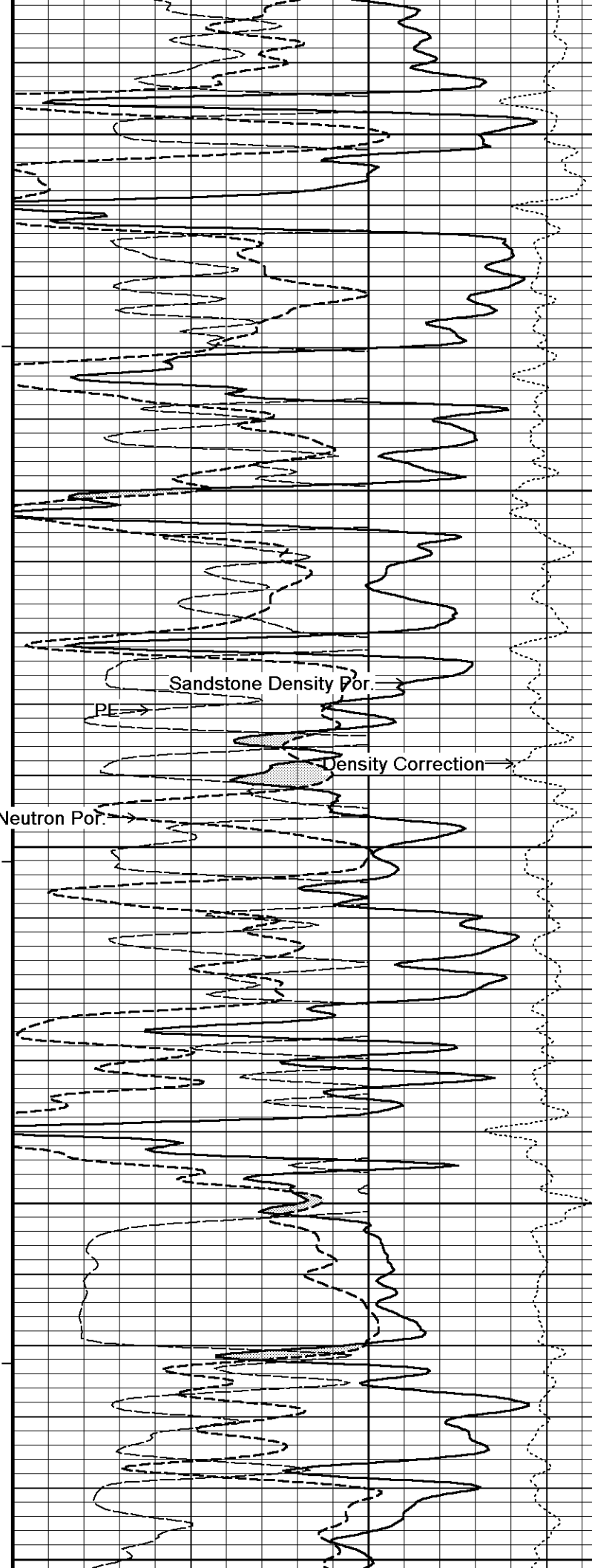
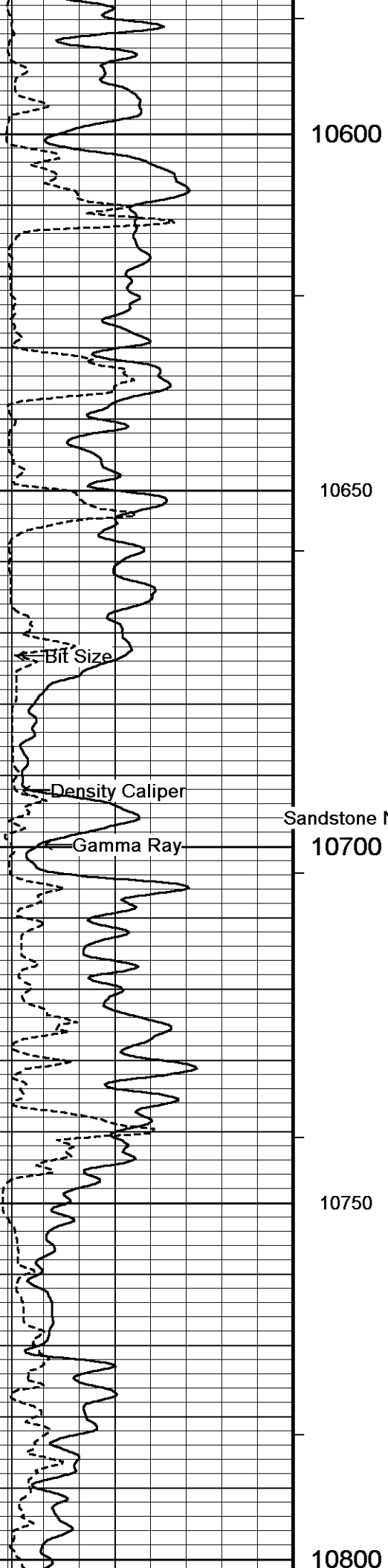
5 INCH MAIN LOG

Depth Based Data - Maximum Sampling Increment 10.0cm Plotted on 06-OCT-2010 09:49
 Filename: C:\DOCUME~1\TEMP\LOCALS~1\Temp\Weatherford PreView\0\DEPTH2.dta Recorded on 05-OCT-2010 09:22
 System Versions: Logged with 10.08.1568 Processed with 10.08.1568 Plotted with 11.02.2020









Sandstone Neutron Por.

Sandstone Density Por.

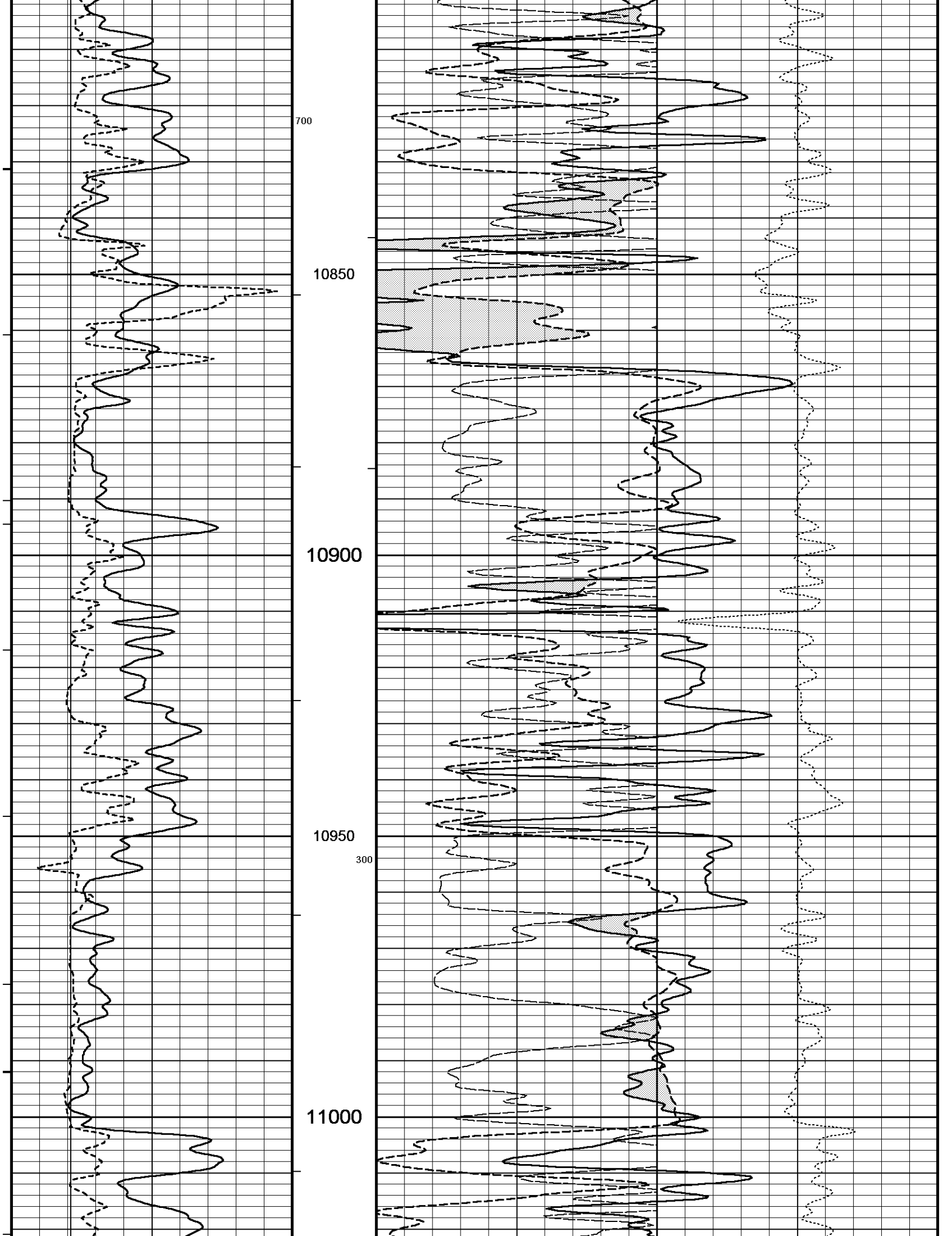
PE

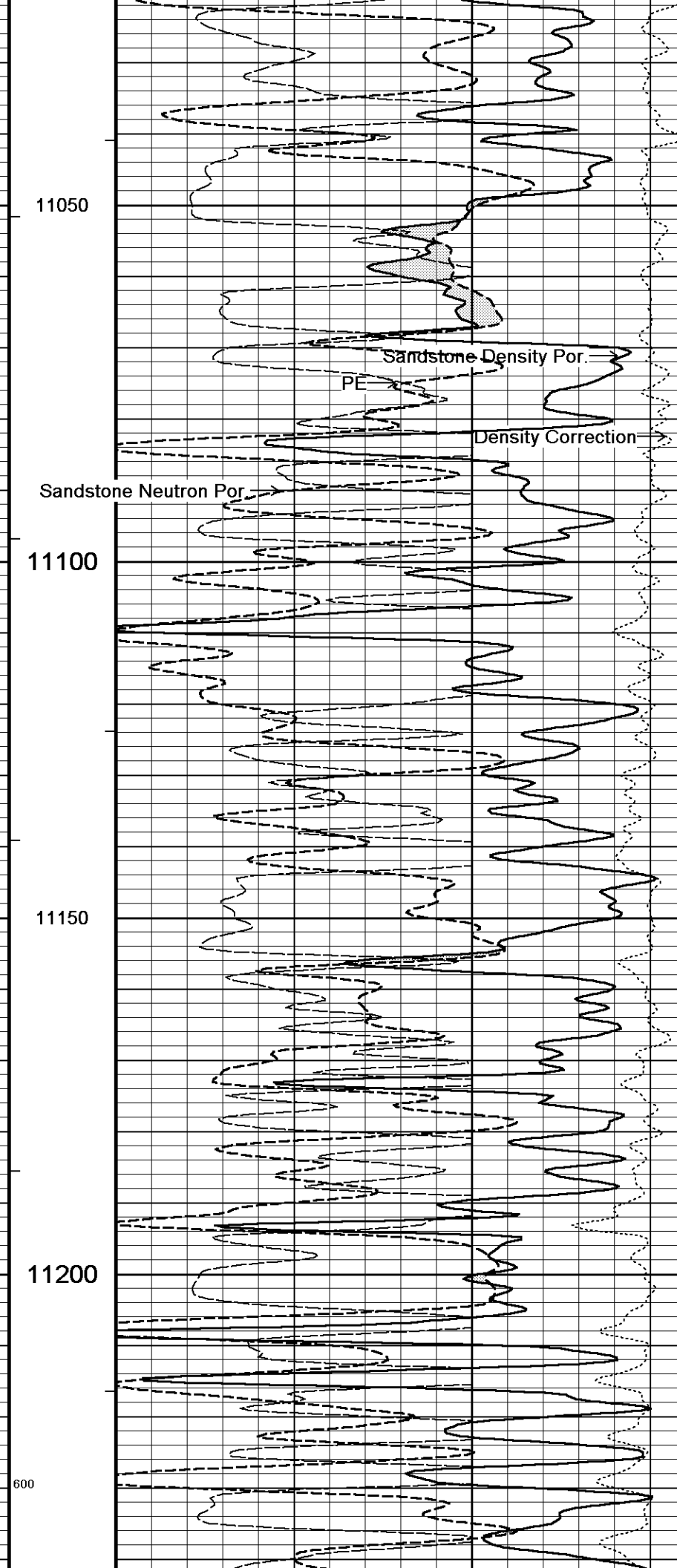
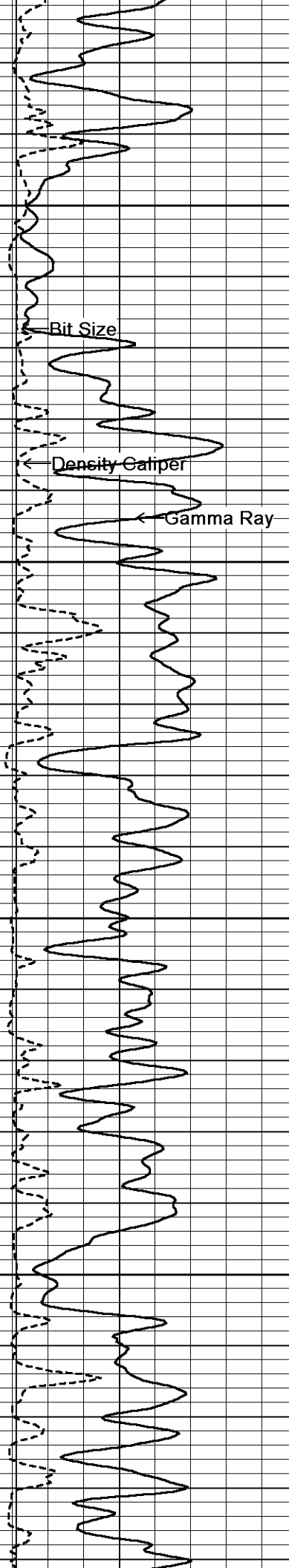
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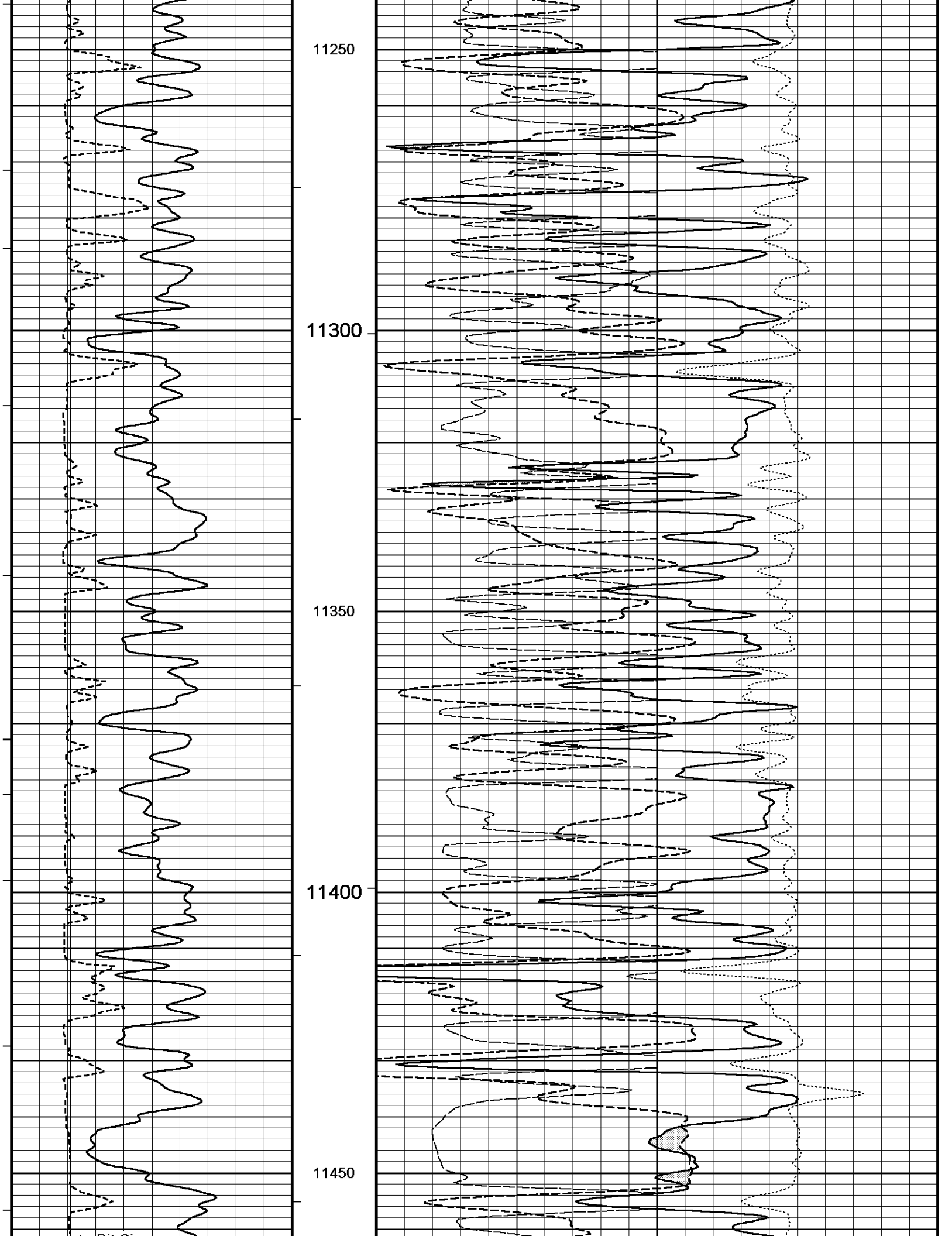
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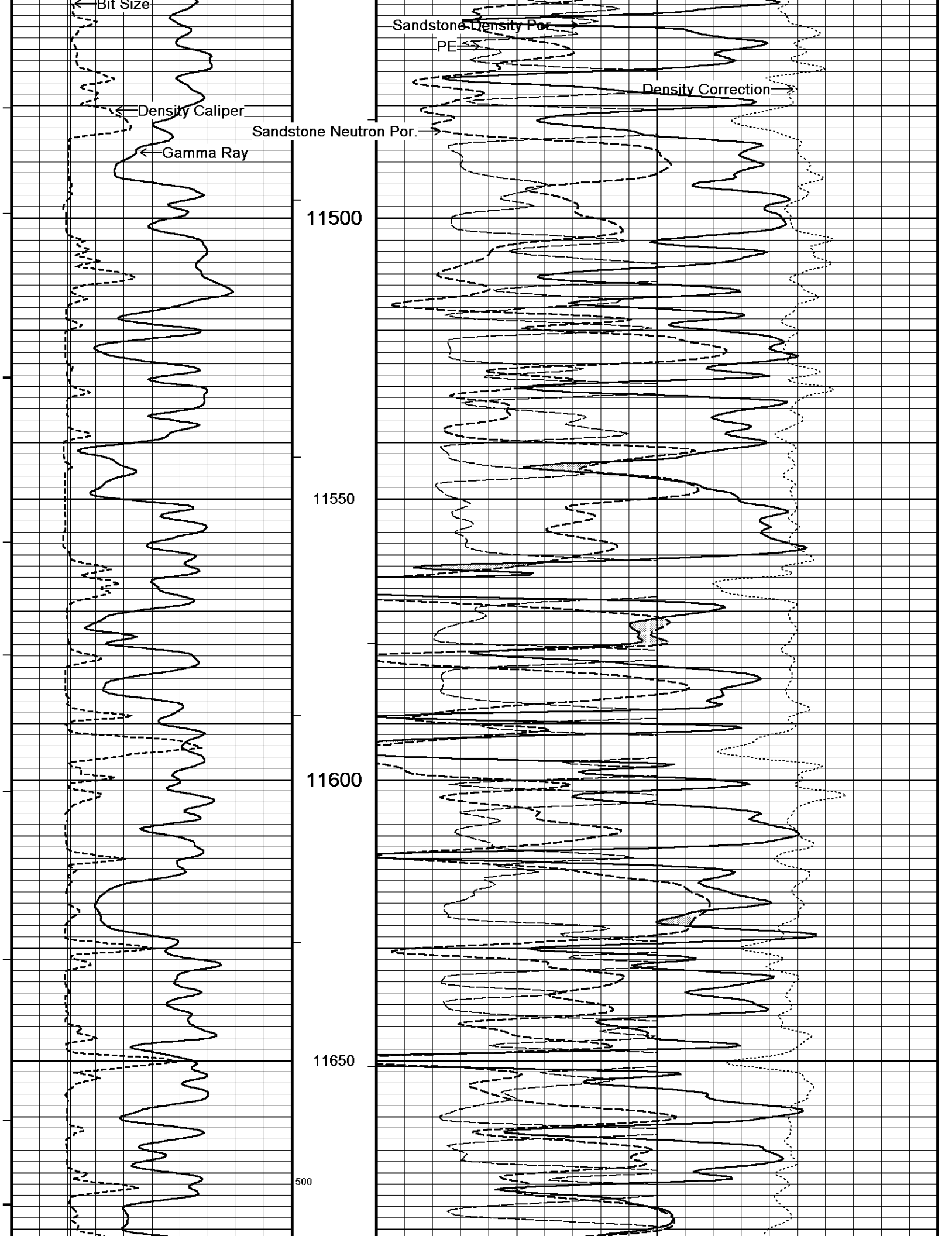
Gamma Ray

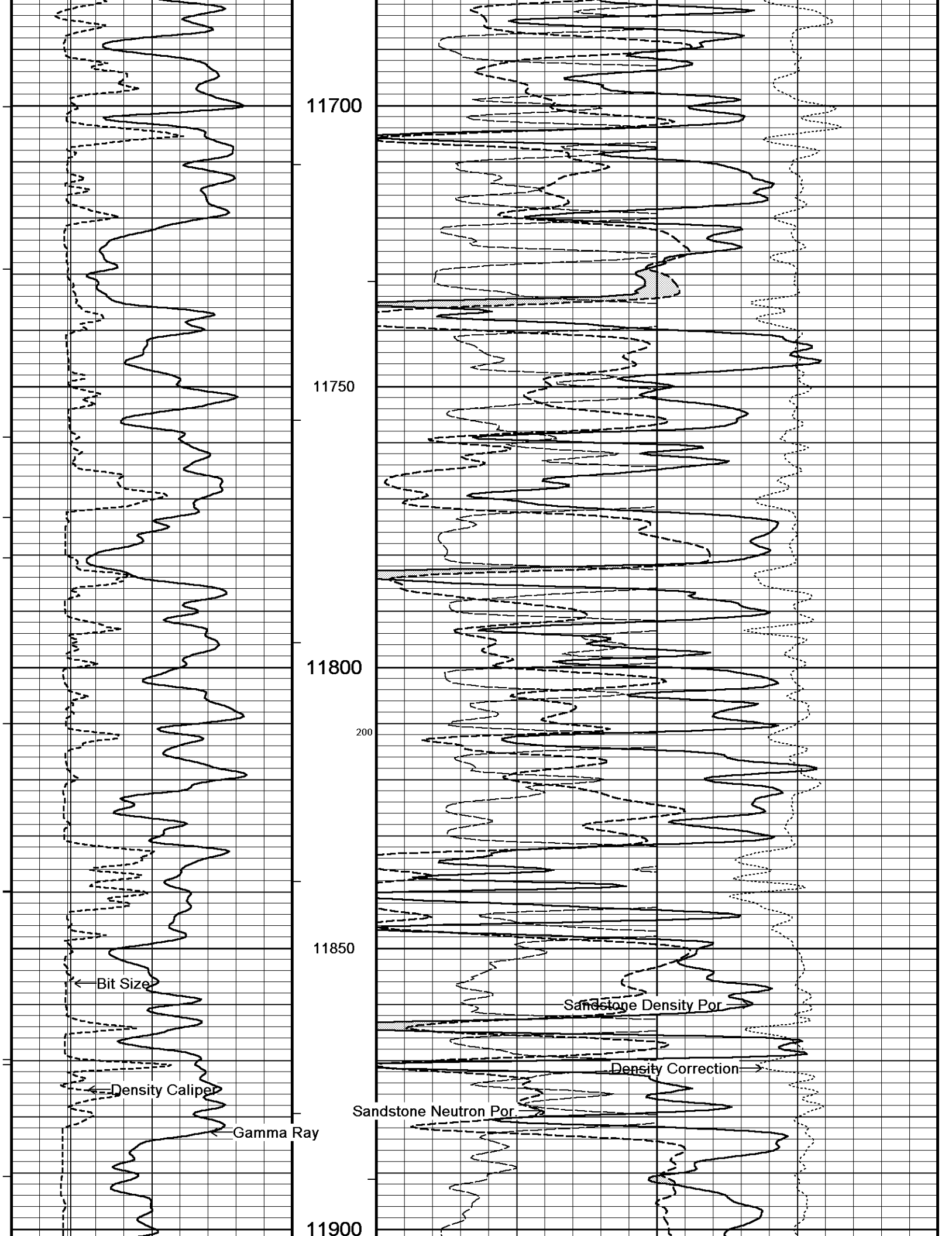
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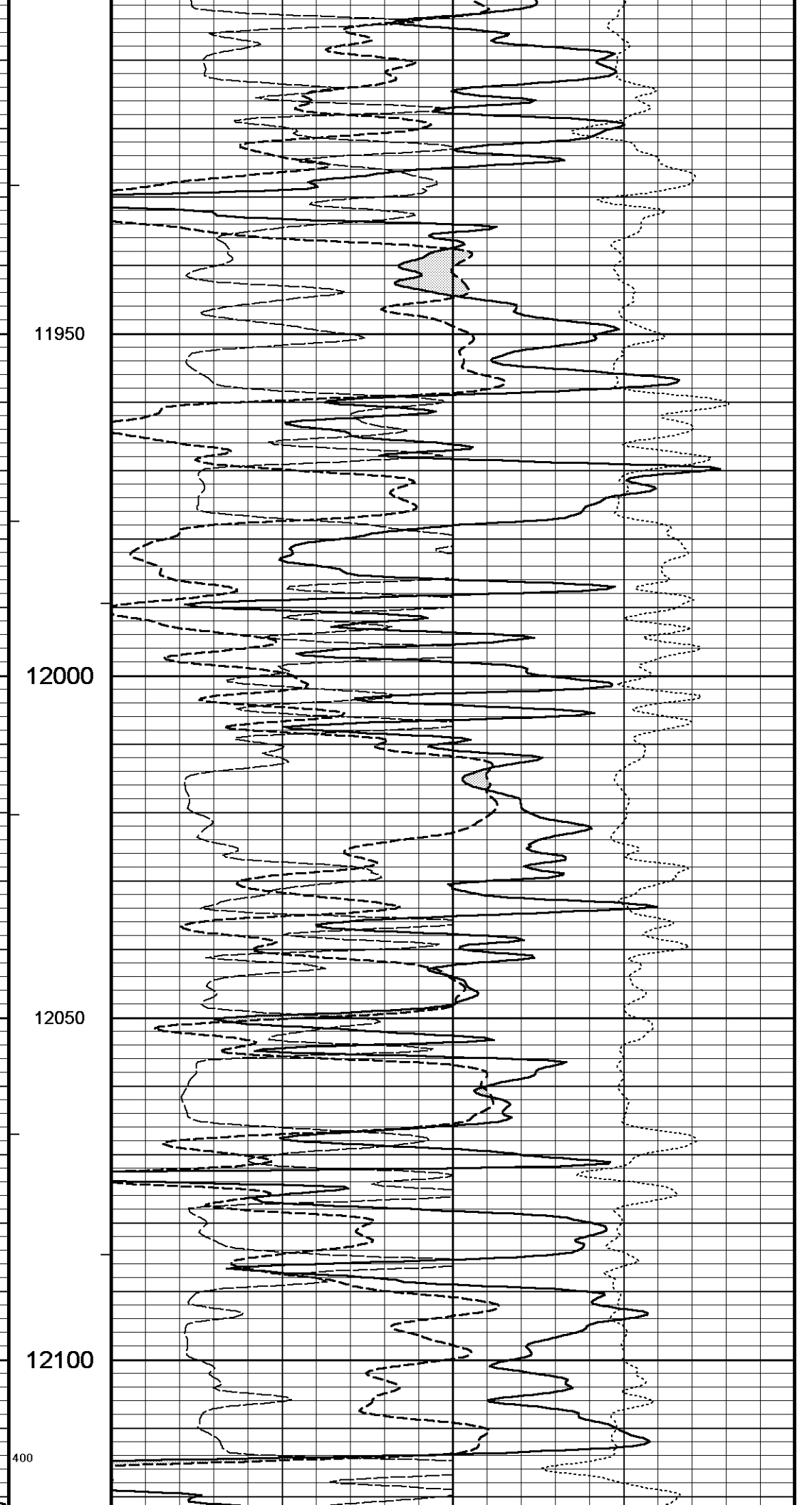
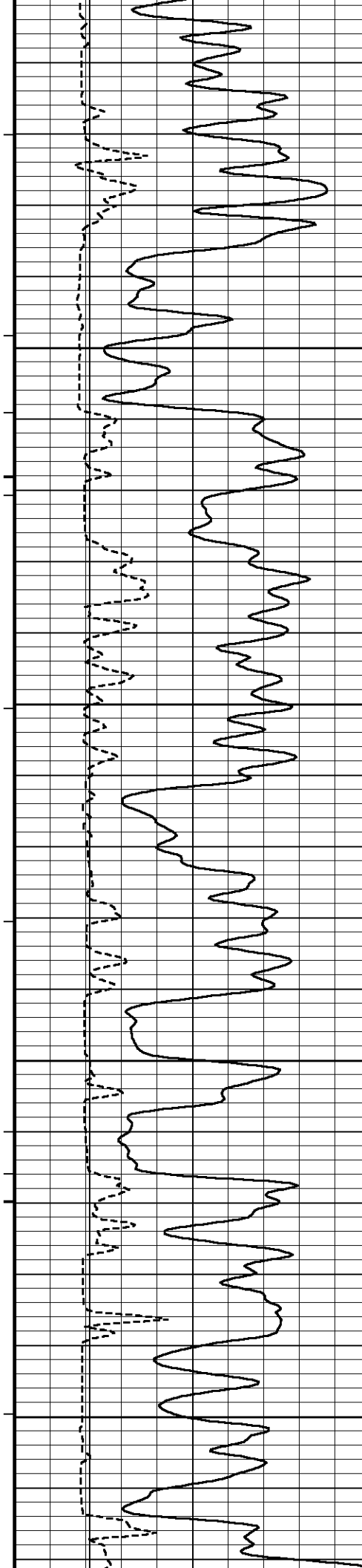












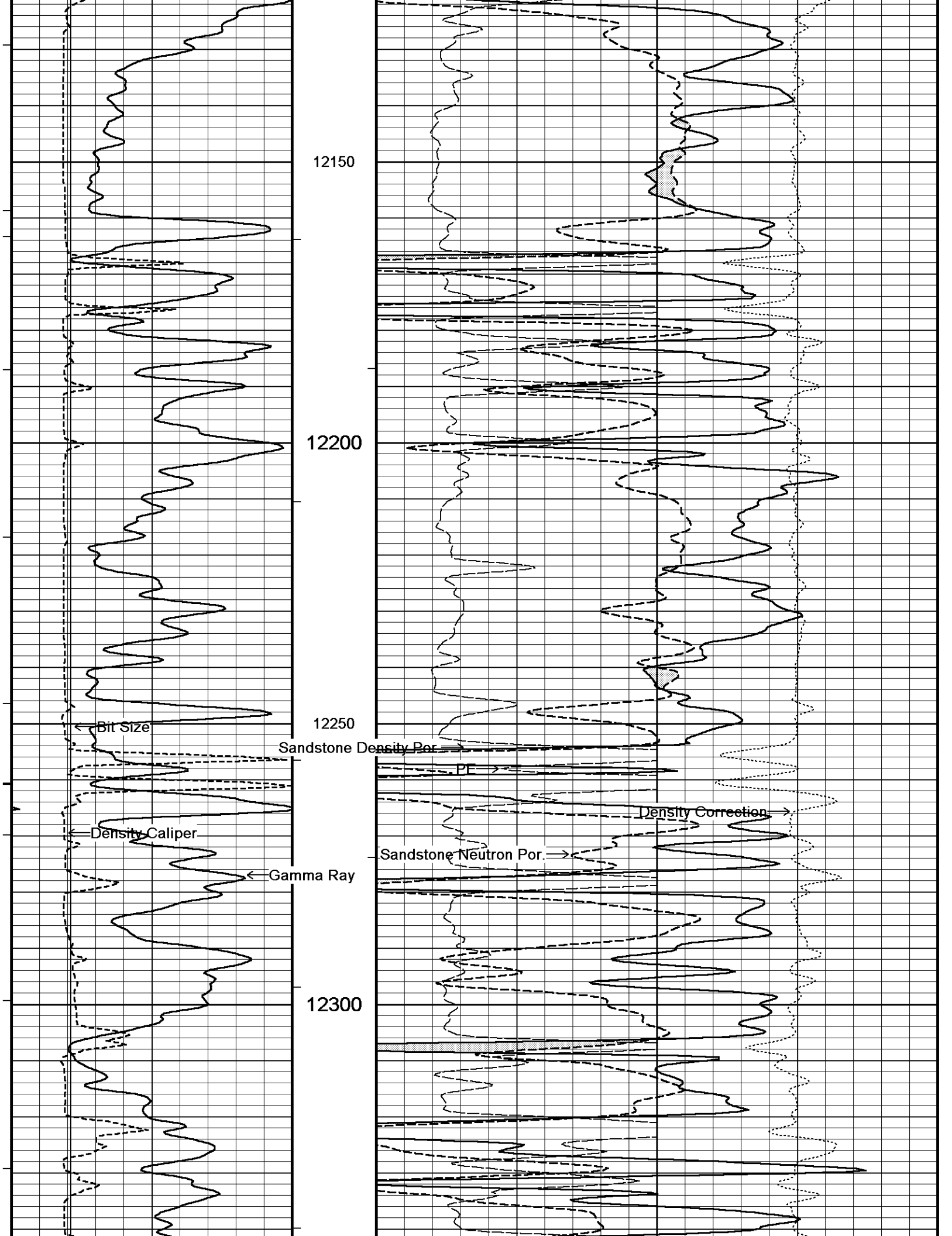
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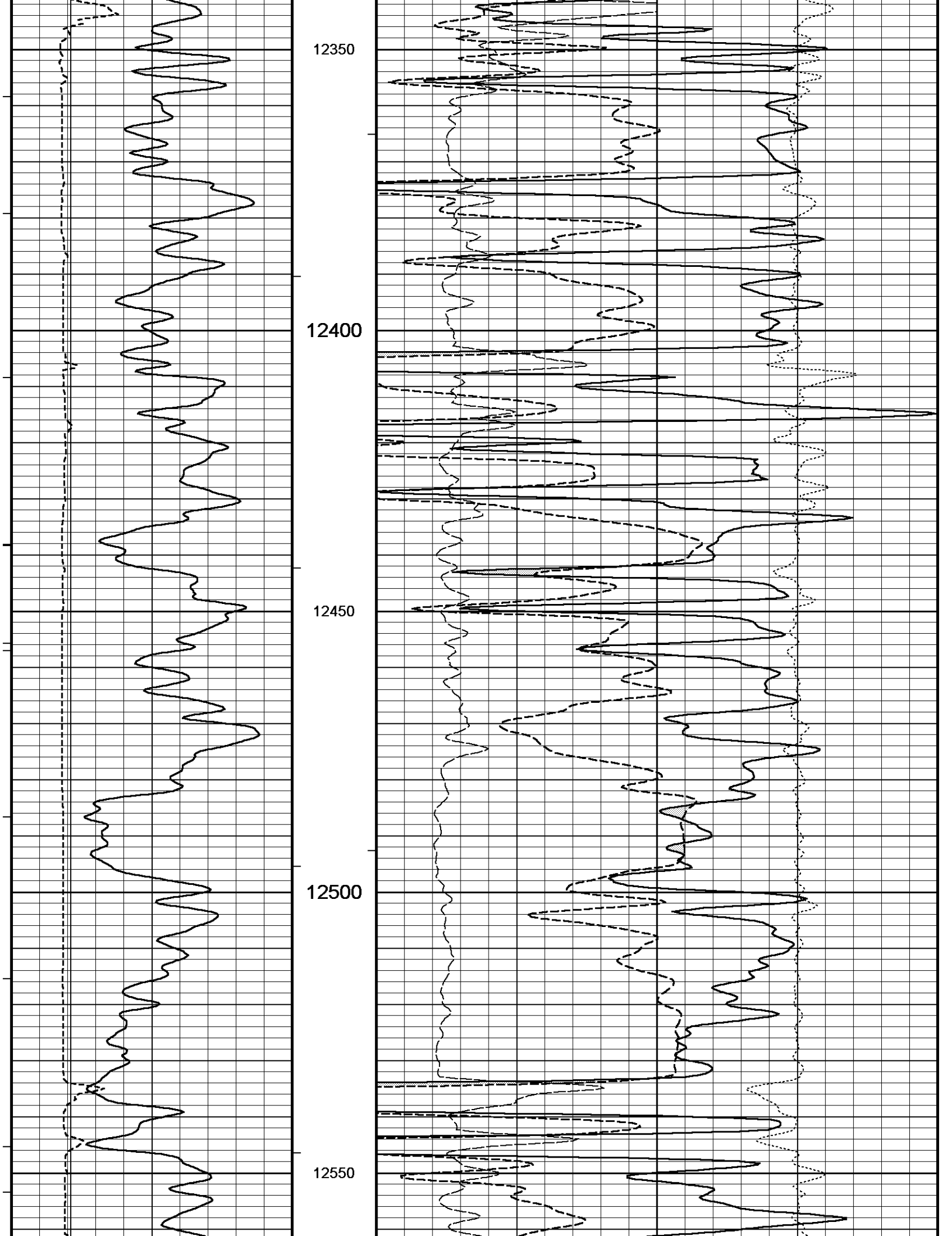
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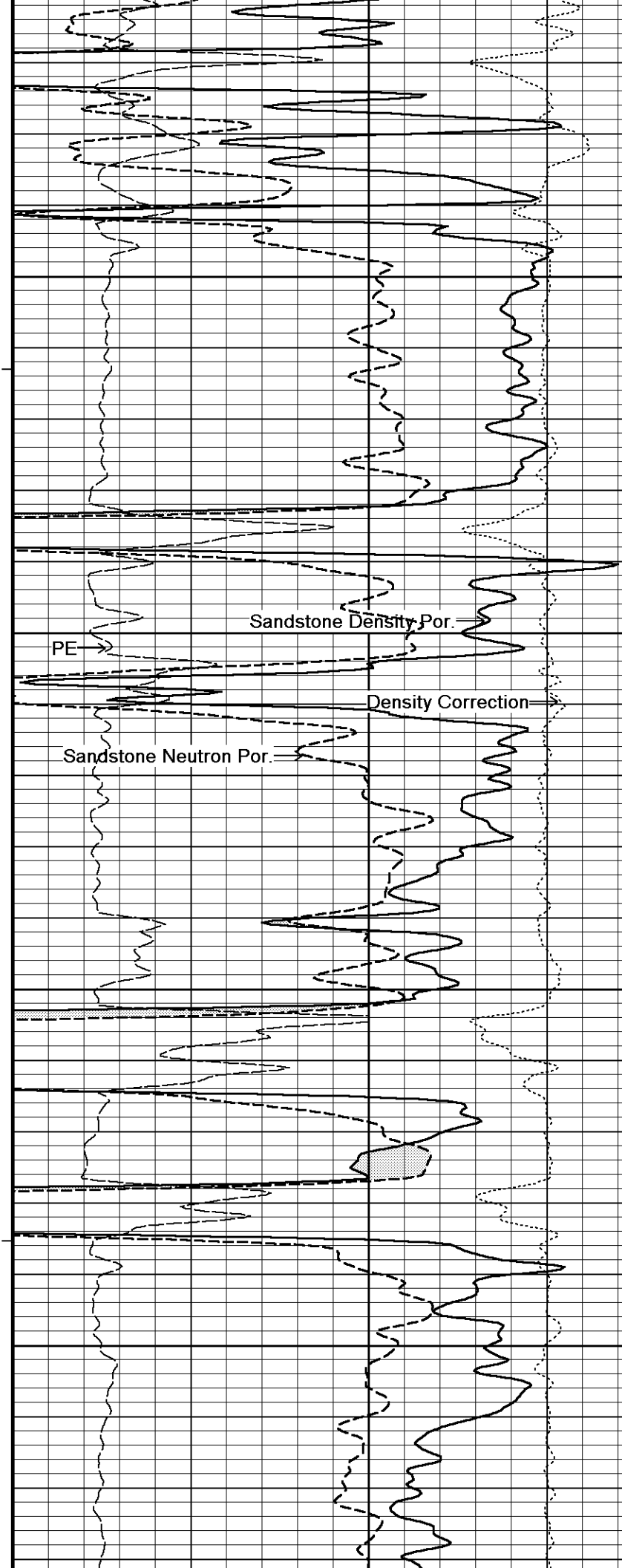
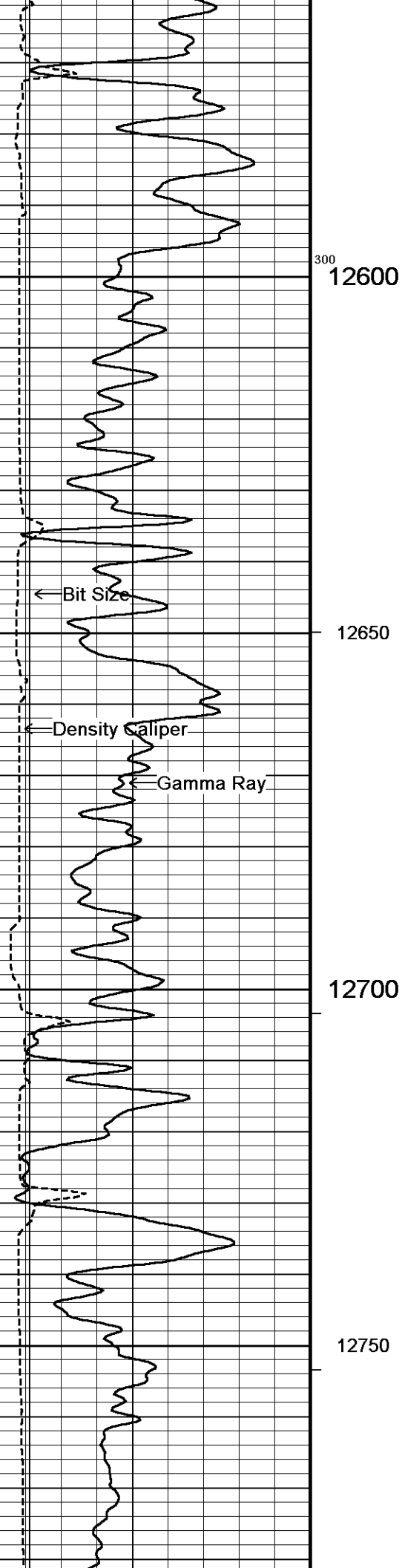
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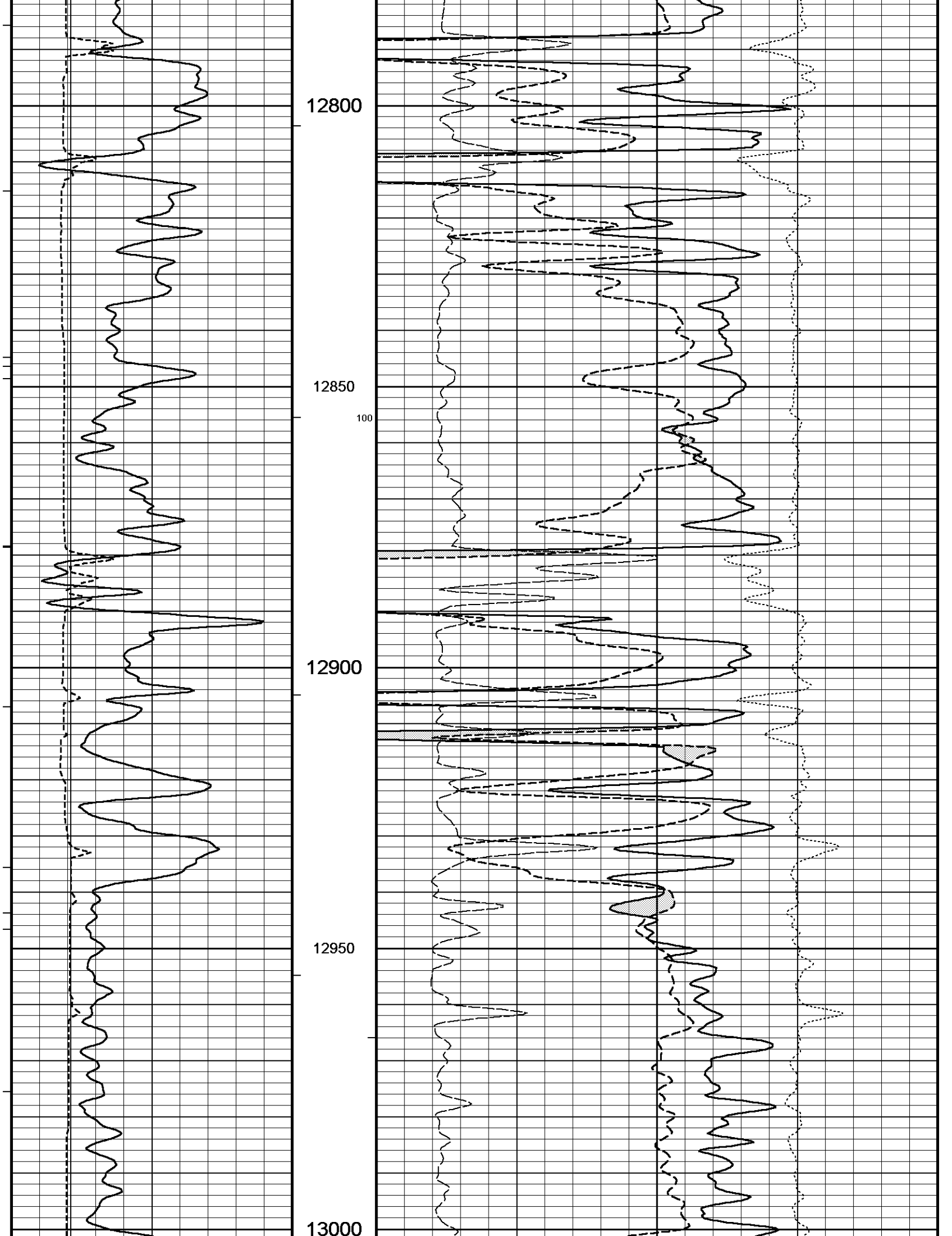
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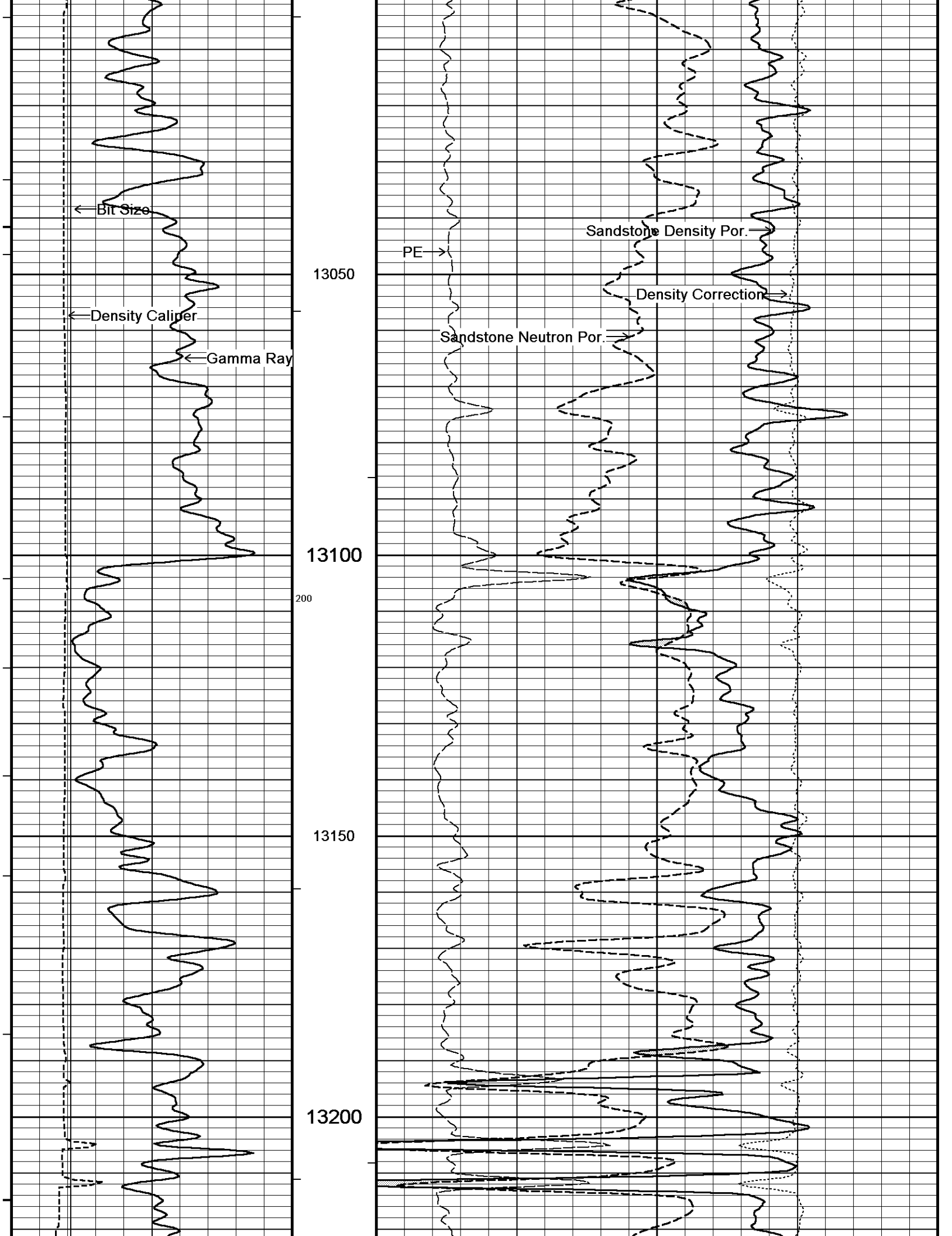
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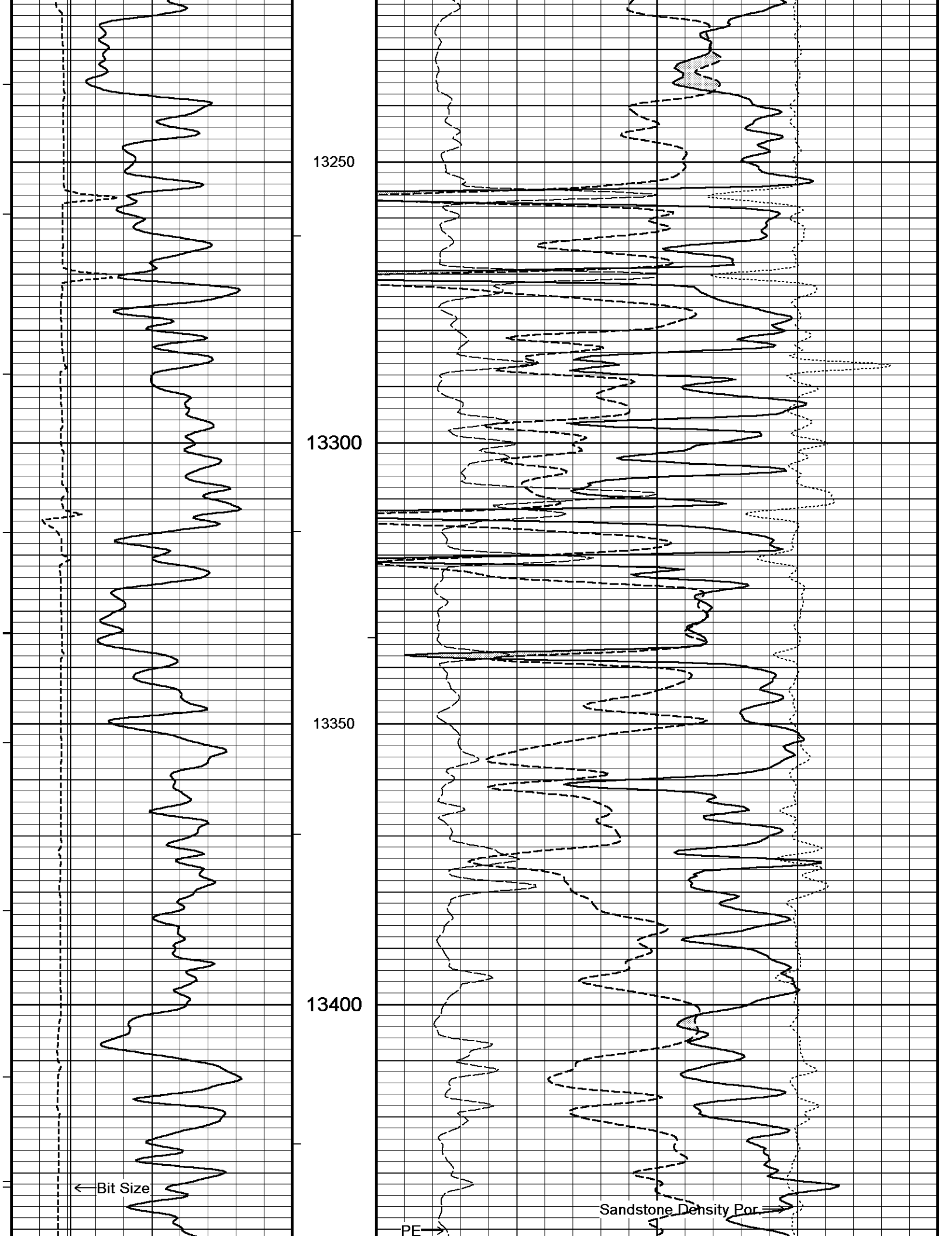


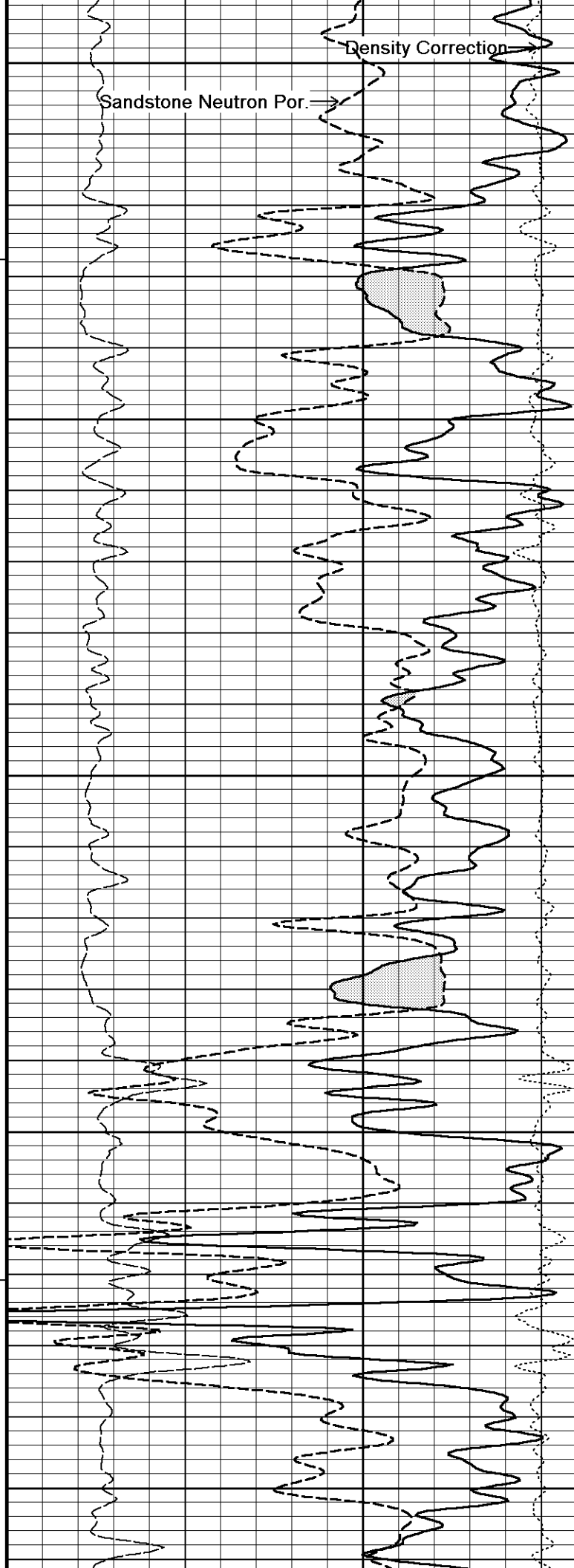
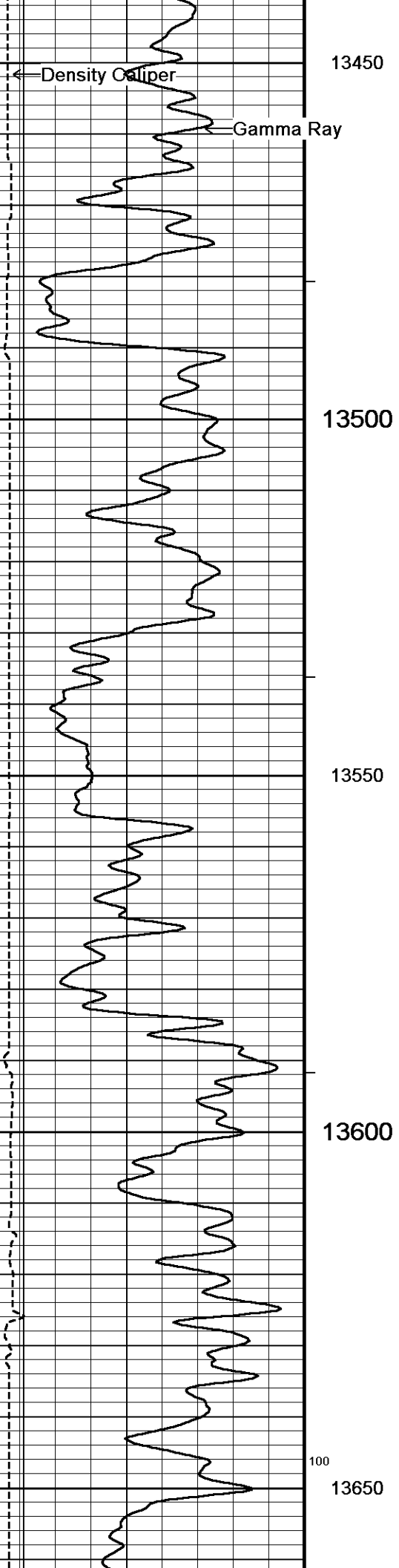


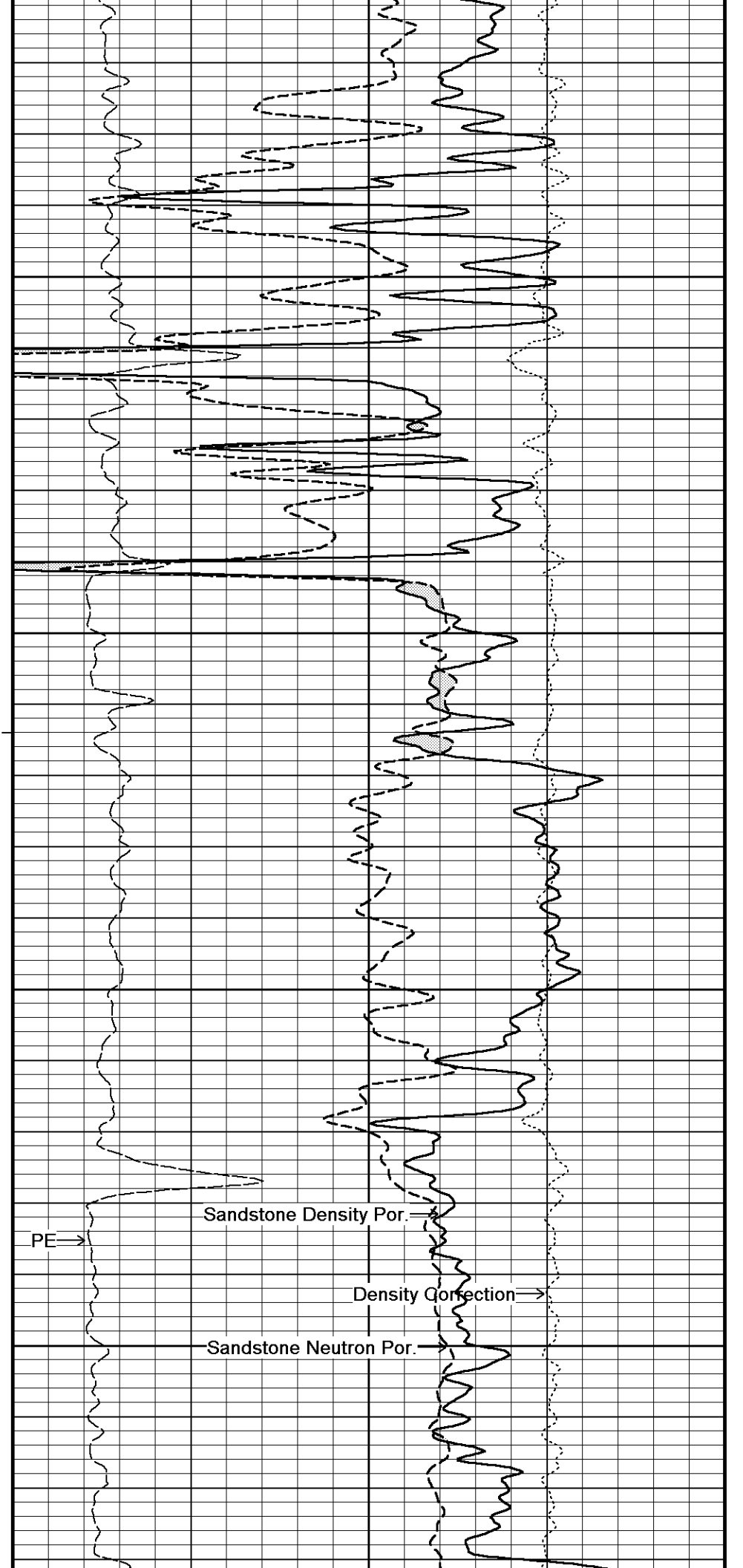
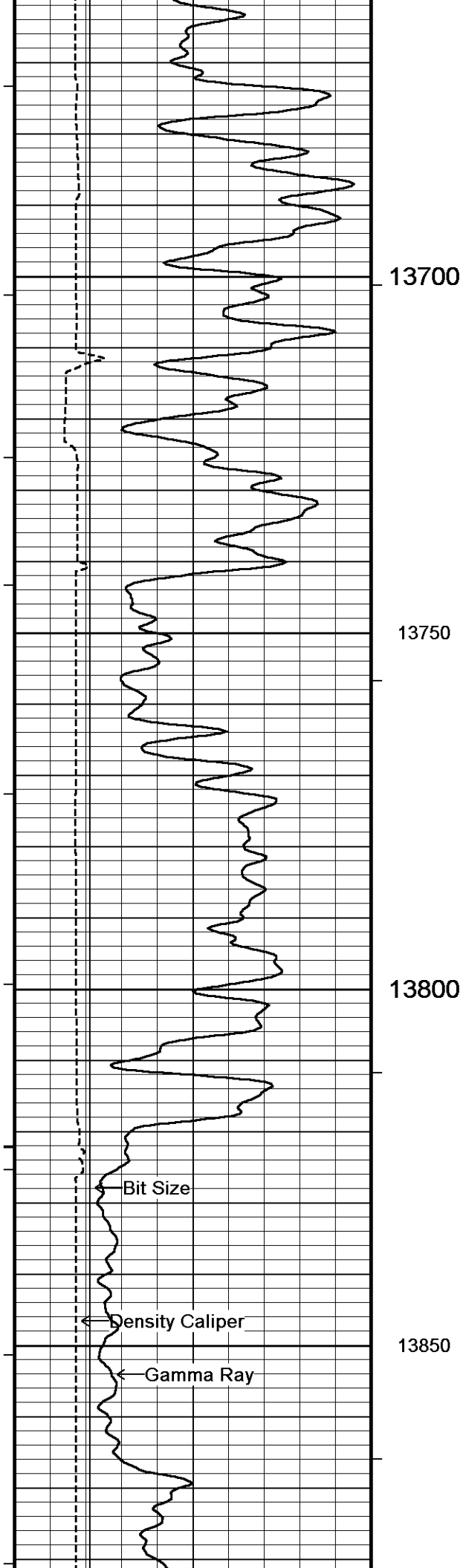












13700

13750

13800

13850

Bit Size

Density Caliper

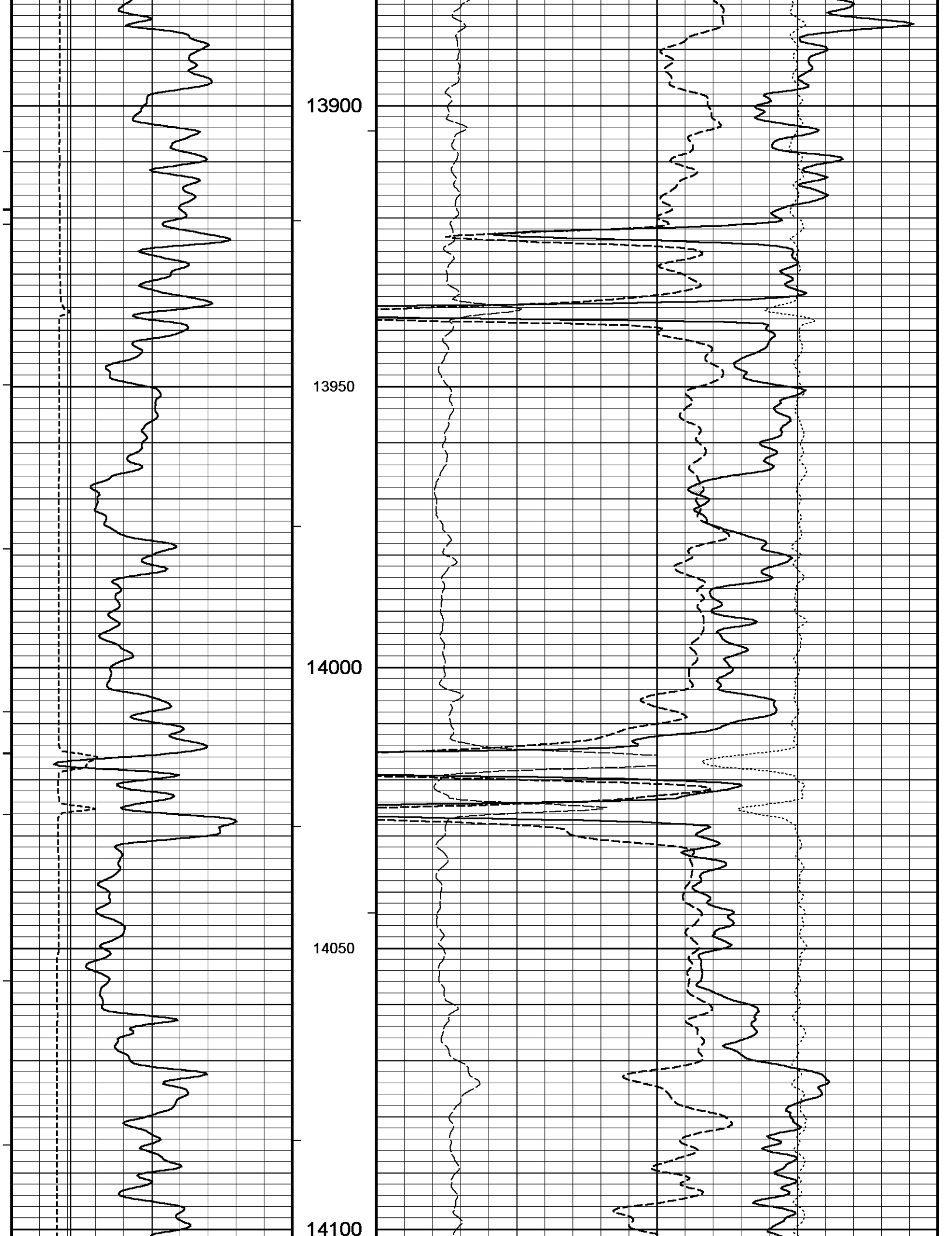
Gamma Ray

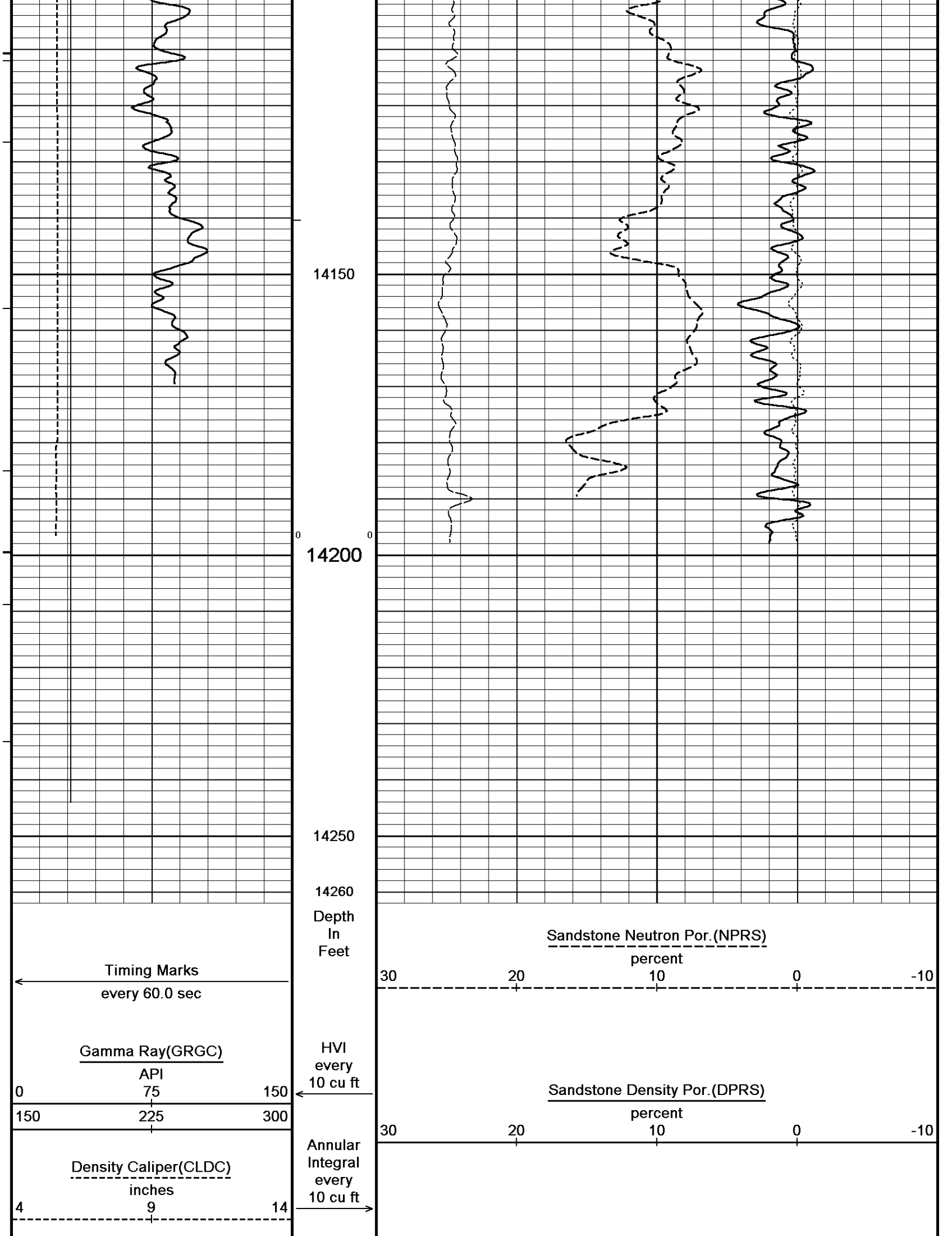
PE

Sandstone Density Por.

Density Correction

Sandstone Neutron Por.





<u>Bit Size(BIT)</u> inches 4 9 14	Replay Scale 1:240	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:33%; text-align: center;"><u>PE(PDPE)</u> barns/electron</td> <td style="width:33%; text-align: center;"><u>Density Correction(DCOR)</u> grams/cc</td> </tr> <tr> <td style="text-align: center;">0 5 10 -0.25</td> <td style="text-align: center;">0 0.25</td> </tr> </table>	<u>PE(PDPE)</u> barns/electron	<u>Density Correction(DCOR)</u> grams/cc	0 5 10 -0.25	0 0.25
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0 5 10 -0.25	0 0.25					

Depth Based Data - Maximum Sampling Increment 10.0cm Plotted on 06-OCT-2010 09:49
 Filename: C:\DOCUME~1\TEMP\LOCALS~1\Temp\Weatherford PreView\0\DEPTH2.dta Recorded on 05-OCT-2010 09:22
 System Versions: Logged with 10.08.1568 Processed with 10.08.1568 Plotted with 11.02.2020

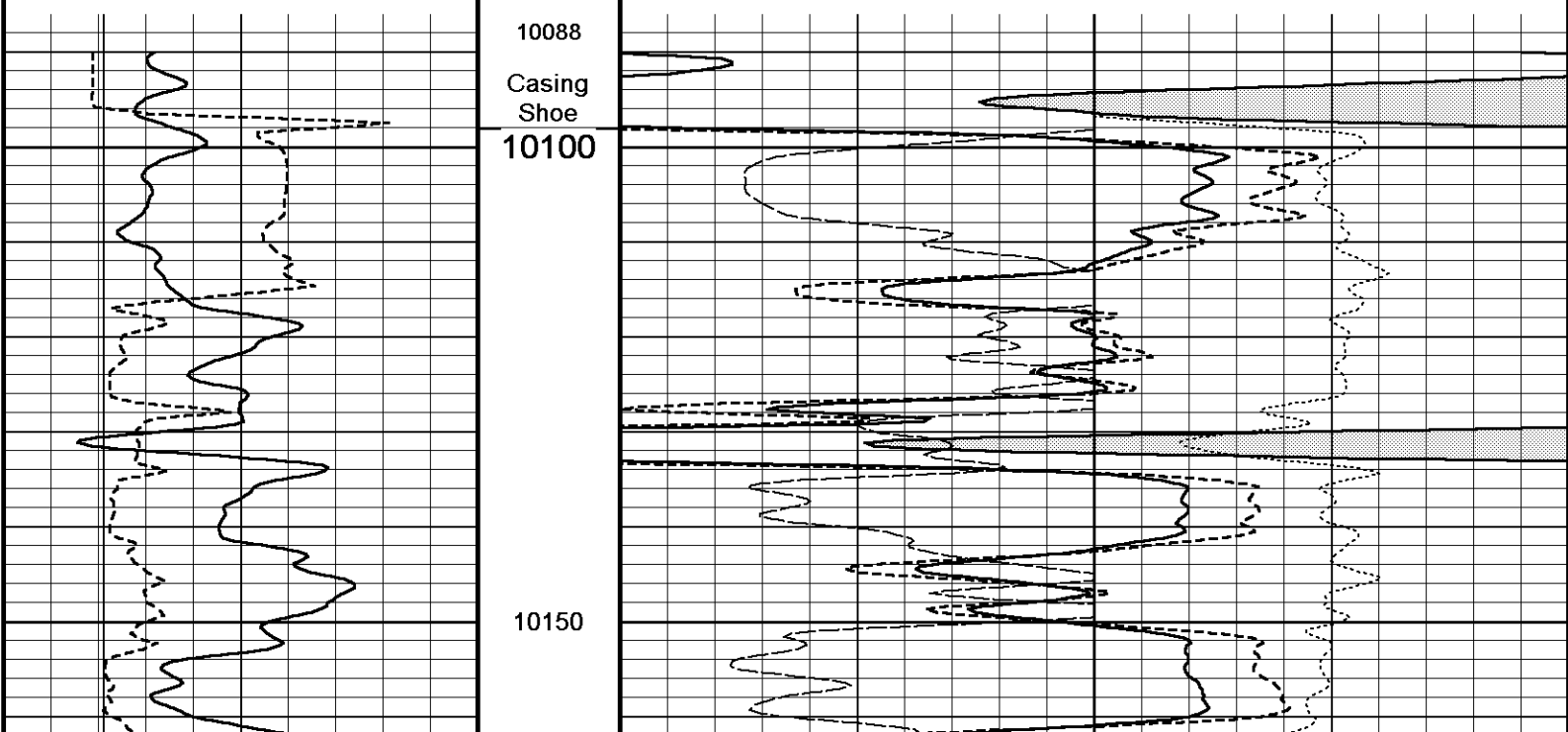
↑ **5 INCH MAIN LOG** ↑

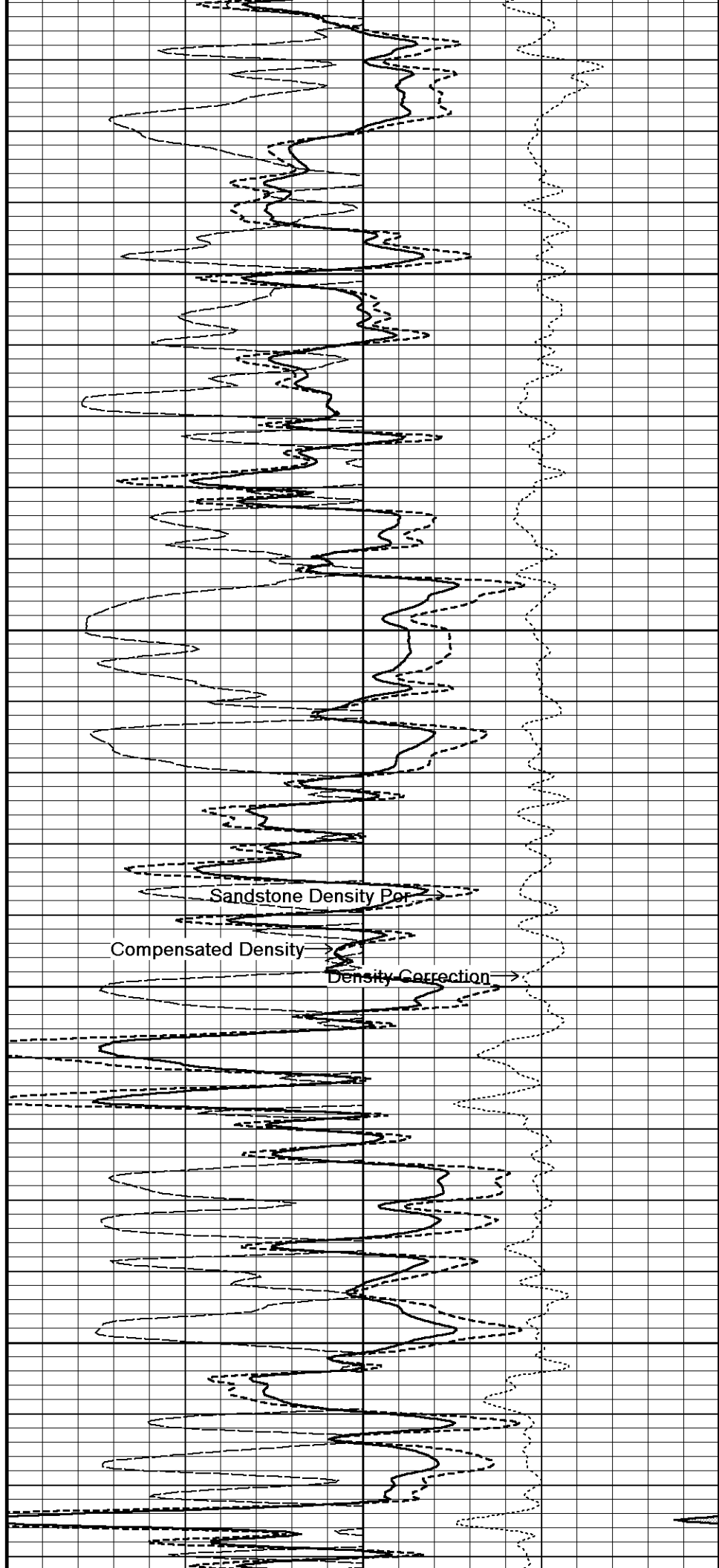
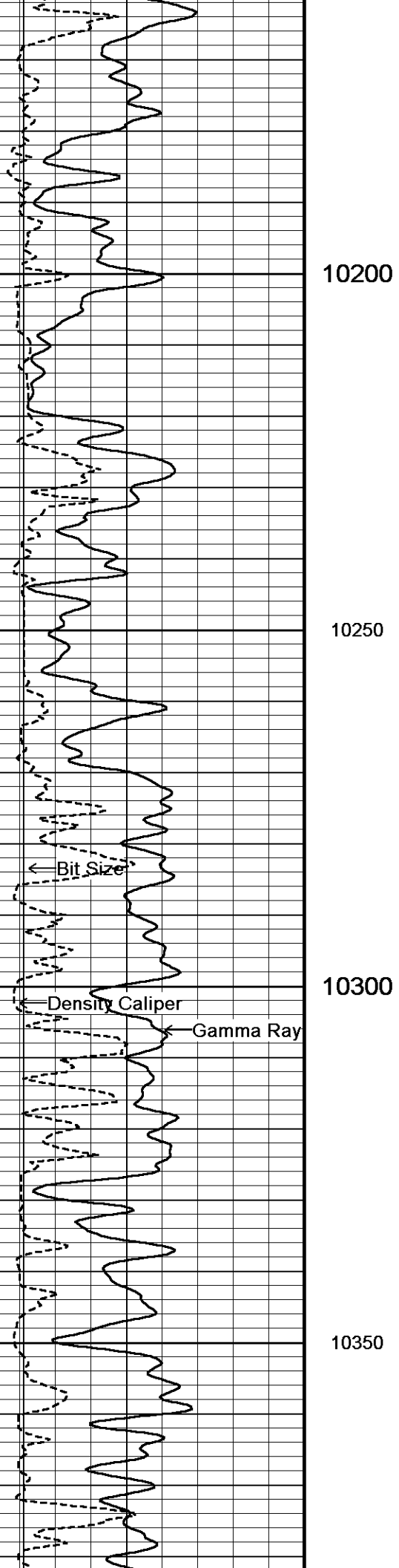
<u>Bit Size(BIT)</u> inches 4 9 14	Replay Scale 1:240	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:33%; text-align: center;"><u>PE(PDPE)</u> barns/electron</td> <td style="width:33%; text-align: center;"><u>Density Correction(DCOR)</u> grams/cc</td> </tr> <tr> <td style="text-align: center;">0 5 10 -0.25</td> <td style="text-align: center;">0 0.25</td> </tr> </table>	<u>PE(PDPE)</u> barns/electron	<u>Density Correction(DCOR)</u> grams/cc	0 5 10 -0.25	0 0.25
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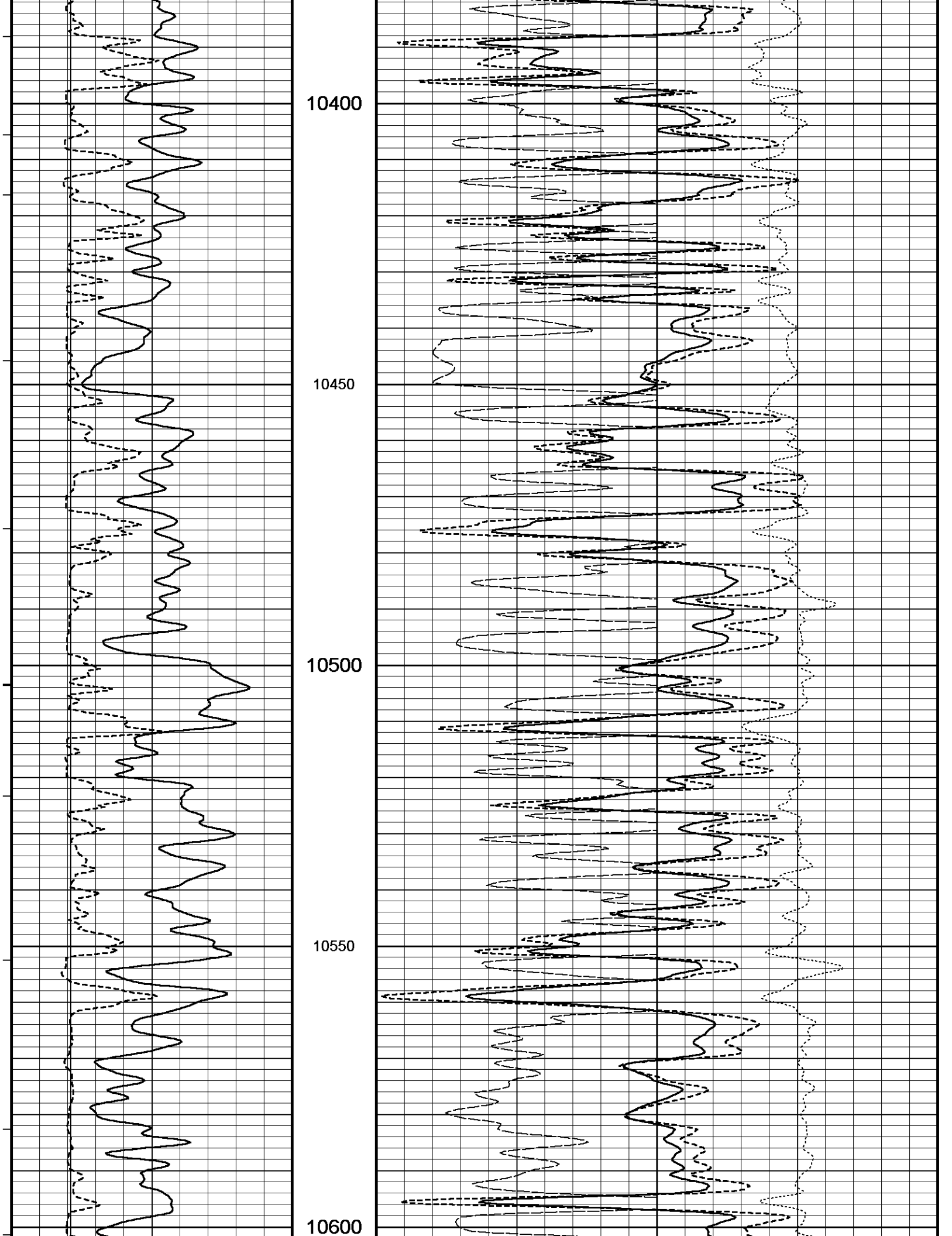
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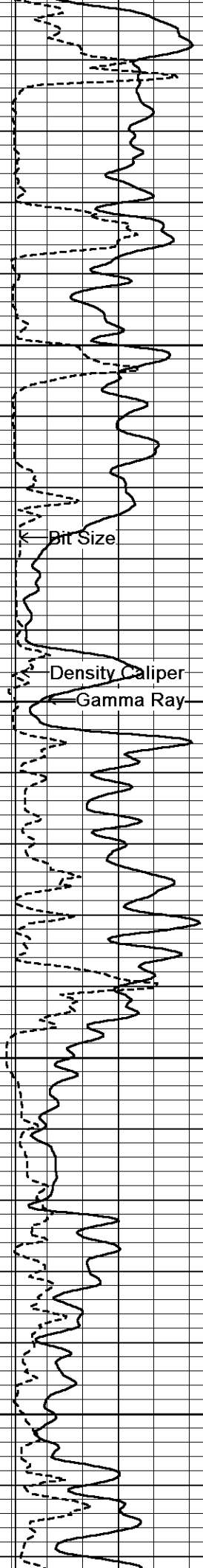
↓ **5 INCH MAIN LOG** ↓

<u>Gamma Ray</u> API 0 75 150 150 225 300	DSC in Feet	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;"><u>Compensated Density</u> grams/cc</td> </tr> <tr> <td style="text-align: center;">2 2.25 2.50 2.75 3</td> <td style="text-align: center;">1 1.25 1.50 1.75 2</td> </tr> </table>	<u>Compensated Density</u> grams/cc		2 2.25 2.50 2.75 3	1 1.25 1.50 1.75 2
<u>Compensated Density</u> grams/cc						
2 2.25 2.50 2.75 3	1 1.25 1.50 1.75 2					
<u>Density Caliper</u> inches 4 9 14		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;"><u>Sandstone Density Por.</u> percent</td> </tr> <tr> <td style="text-align: center;">30 20 10 0 -10</td> <td></td> </tr> </table>	<u>Sandstone Density Por.</u> percent		30 20 10 0 -10	
<u>Sandstone Density Por.</u> percent						
30 20 10 0 -10						
<u>Bit Size</u> inches 4 9 14	Replay Scale 1:240	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:33%; text-align: center;"><u>PE</u> barns/electron</td> <td style="width:33%; text-align: center;"><u>Density Correction</u> grams/cc</td> </tr> <tr> <td style="text-align: center;">0 5 10 -0.25</td> <td style="text-align: center;">0 0.25</td> </tr> </table>	<u>PE</u> barns/electron	<u>Density Correction</u> grams/cc	0 5 10 -0.25	0 0.25
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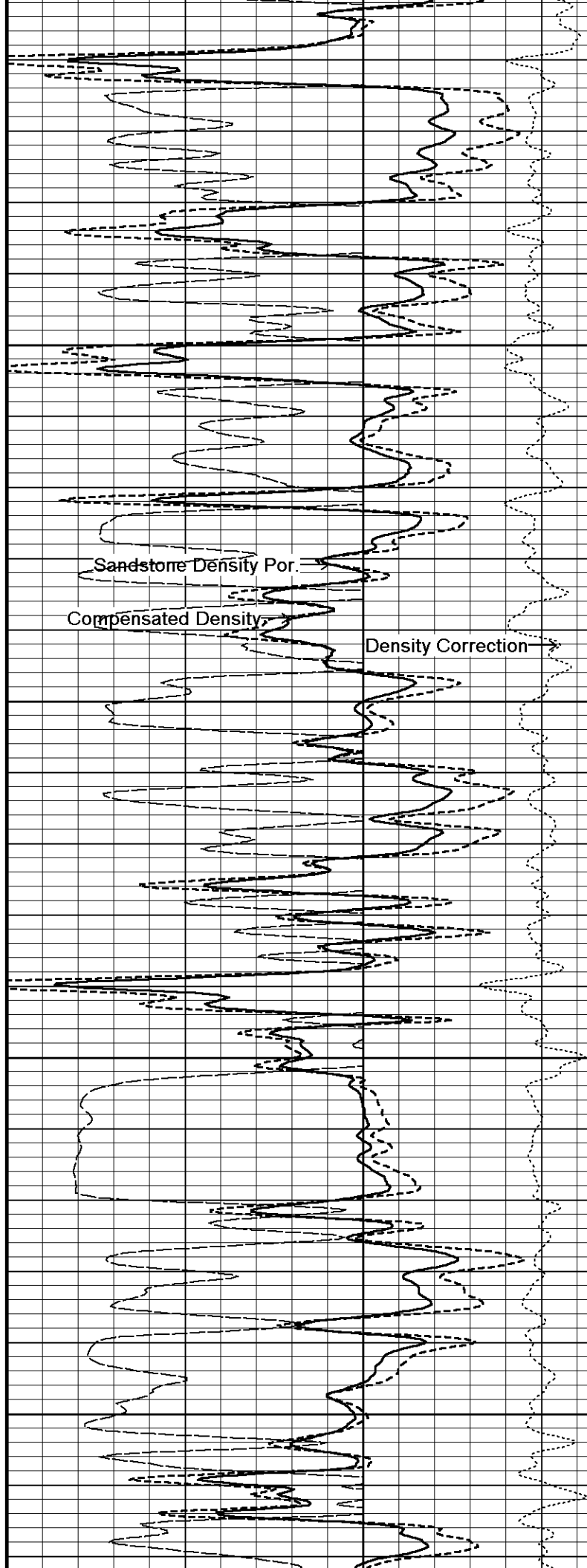


10650

10700

10750

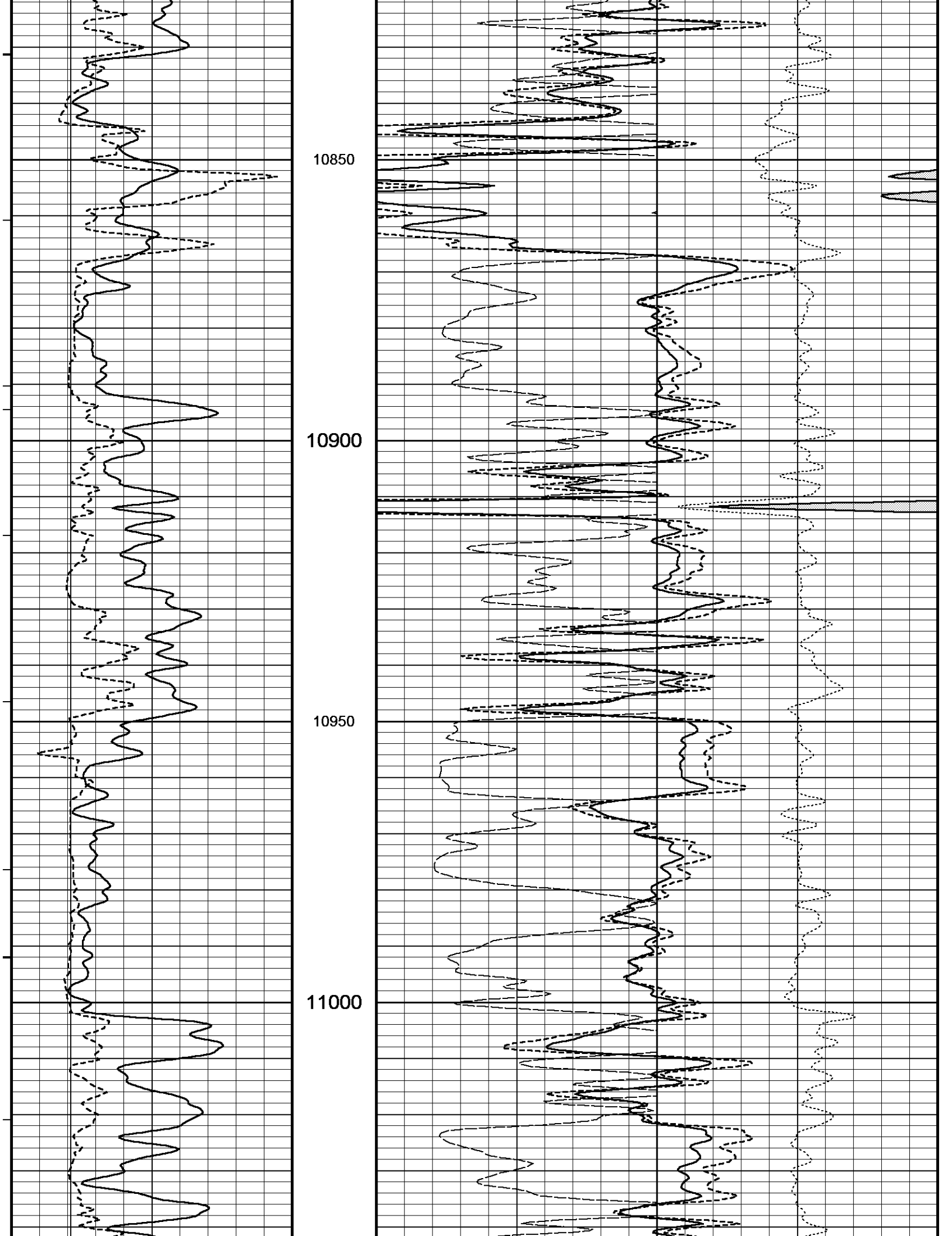
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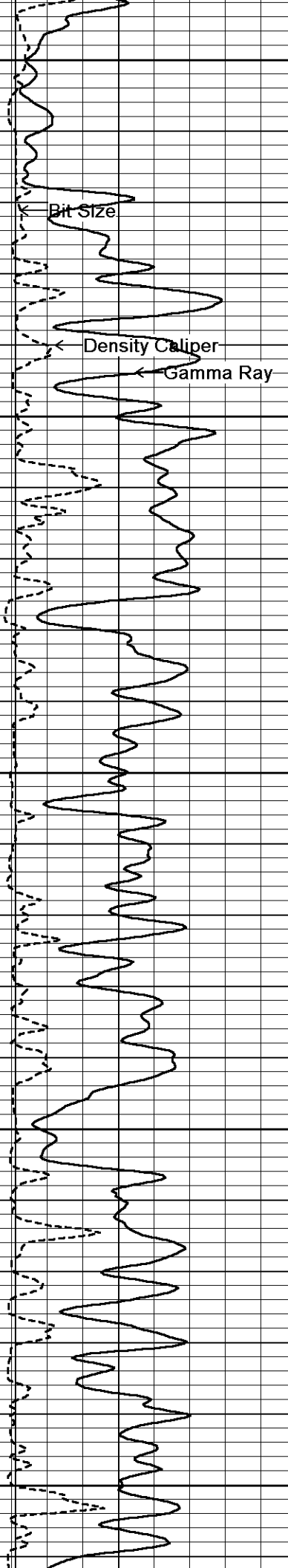


Sandstone Density Por.

Compensated Density

Density Correction





11050

Bit Size

Density Caliper

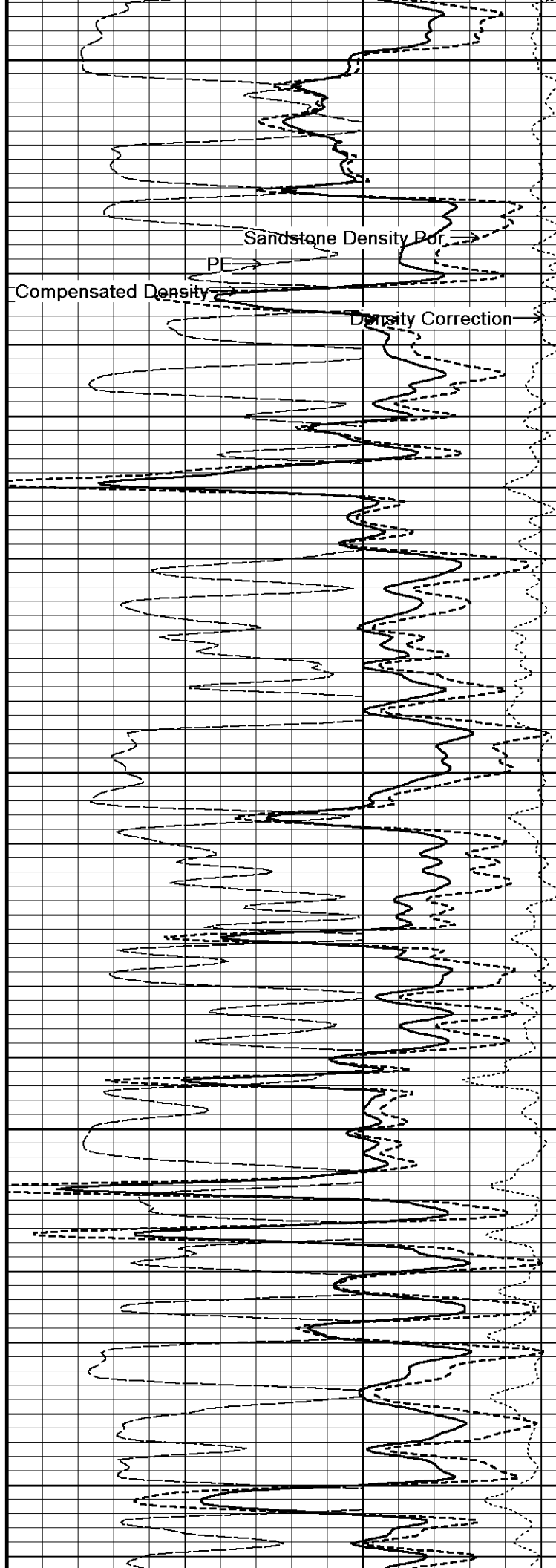
Gamma Ray

11100

11150

11200

11250

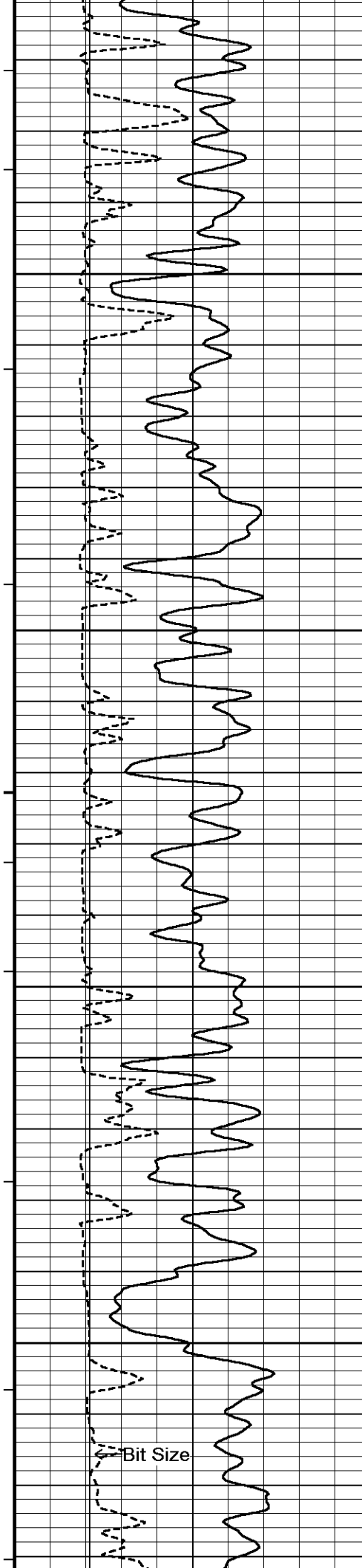


Sandstone Density Por

PE

Compensated Density

Density Correction

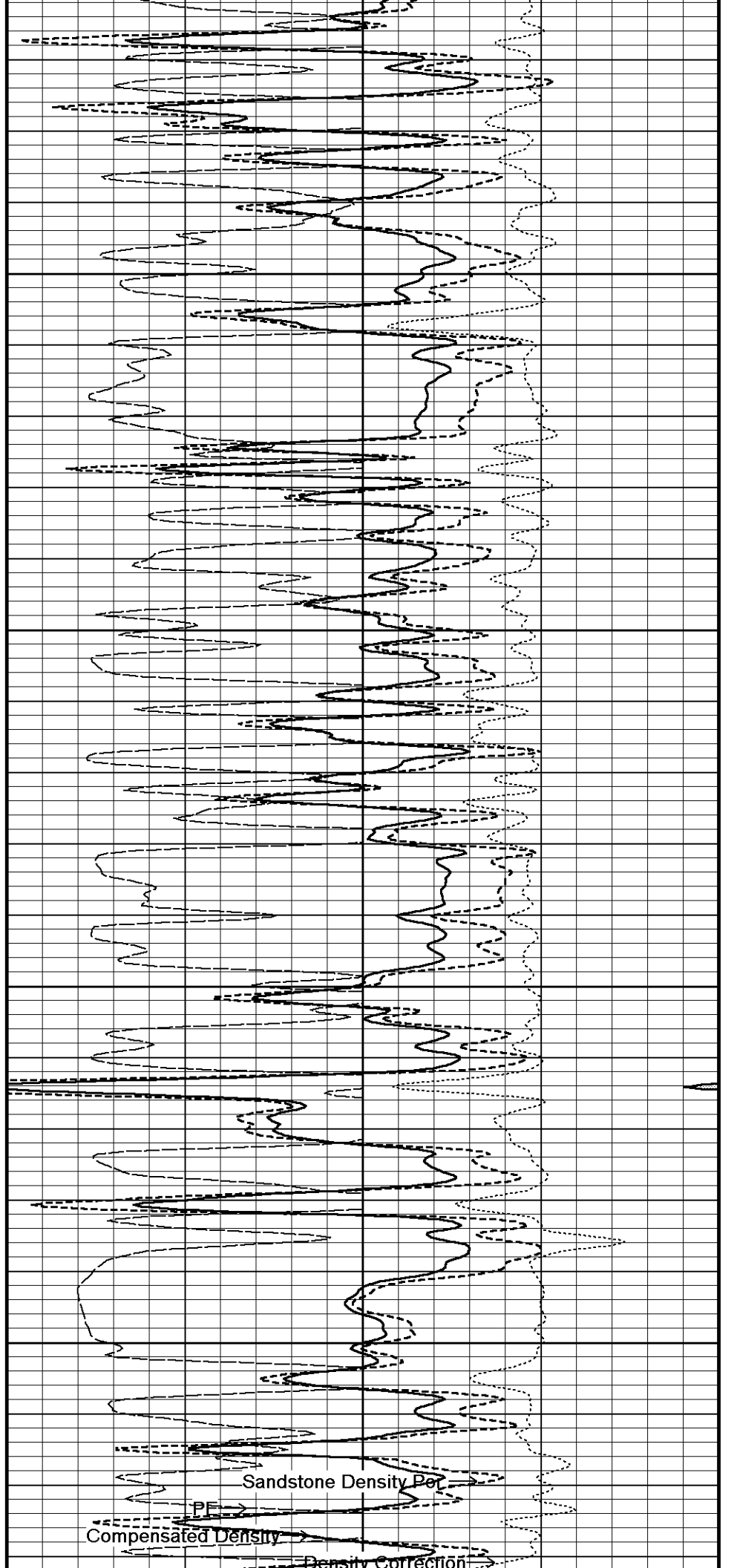


11300

11350

11400

11450



Density Caliper

Gamma Ray

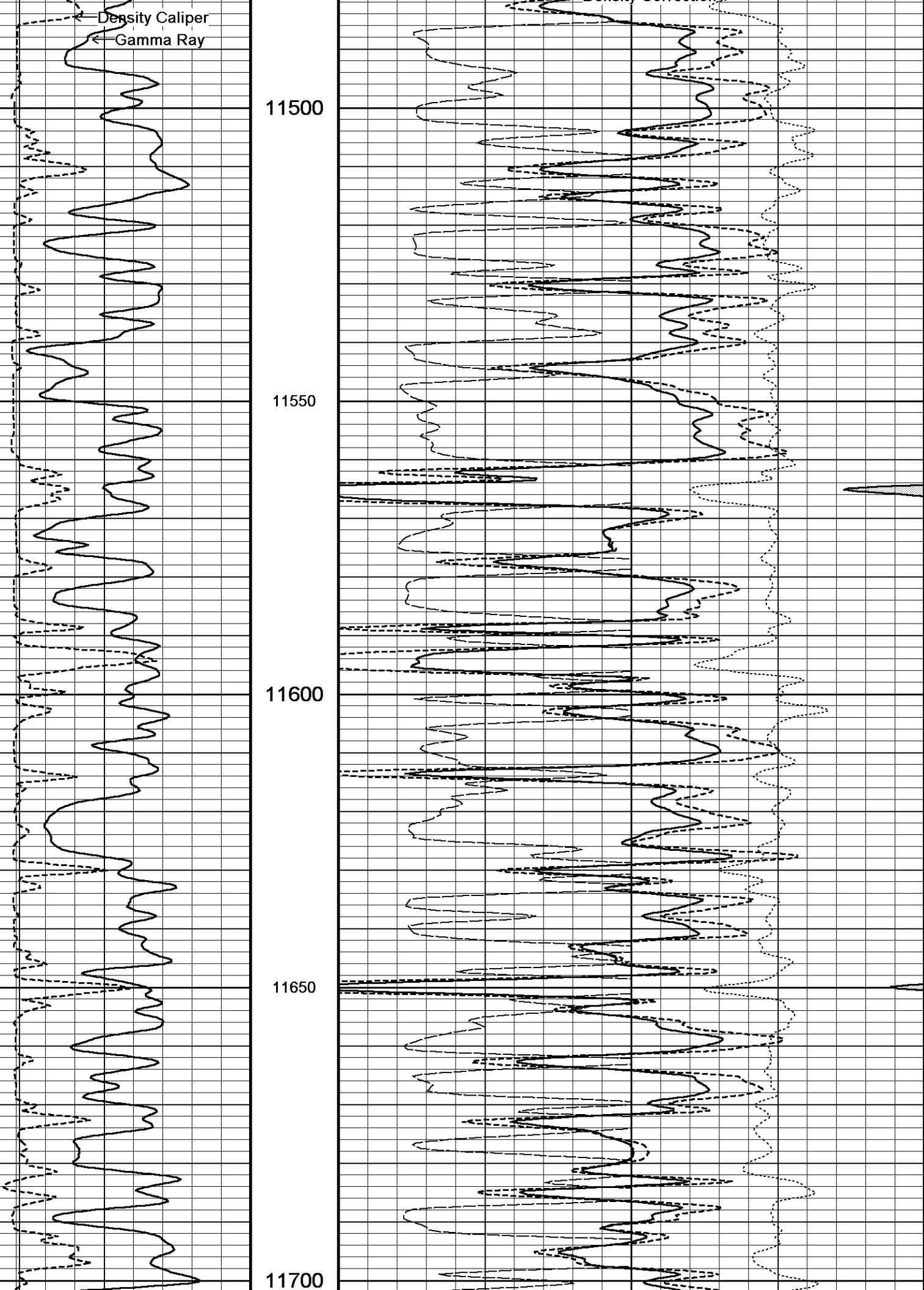
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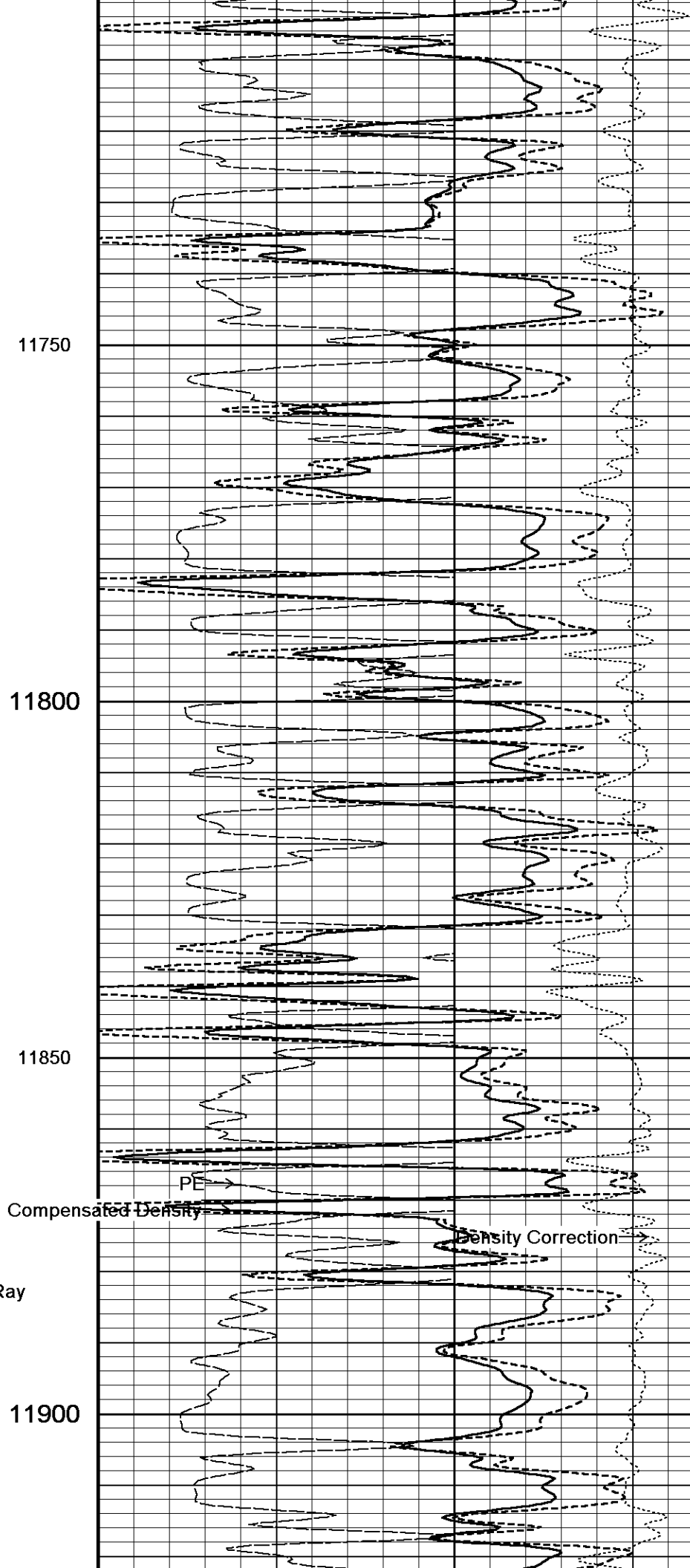
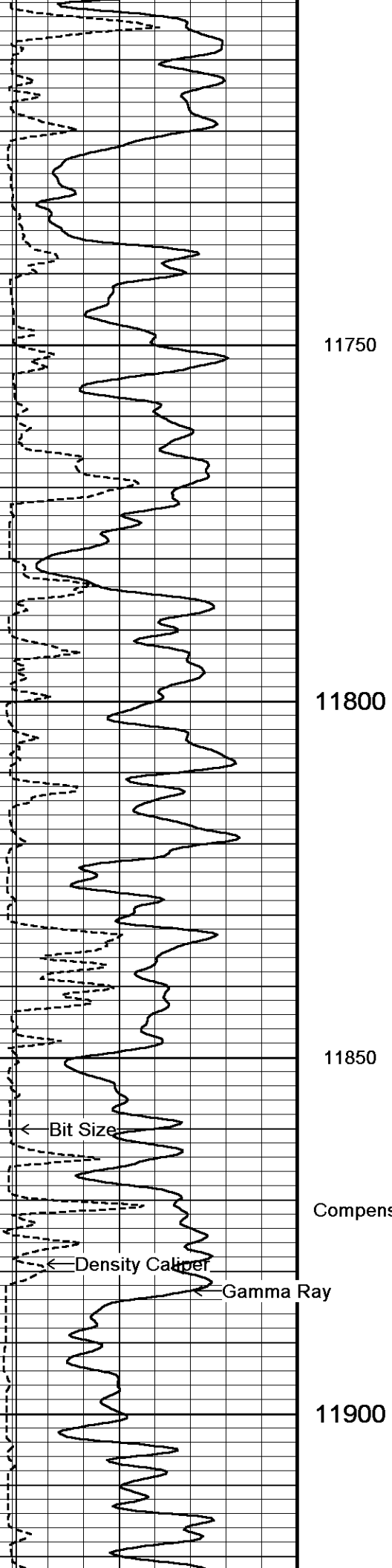
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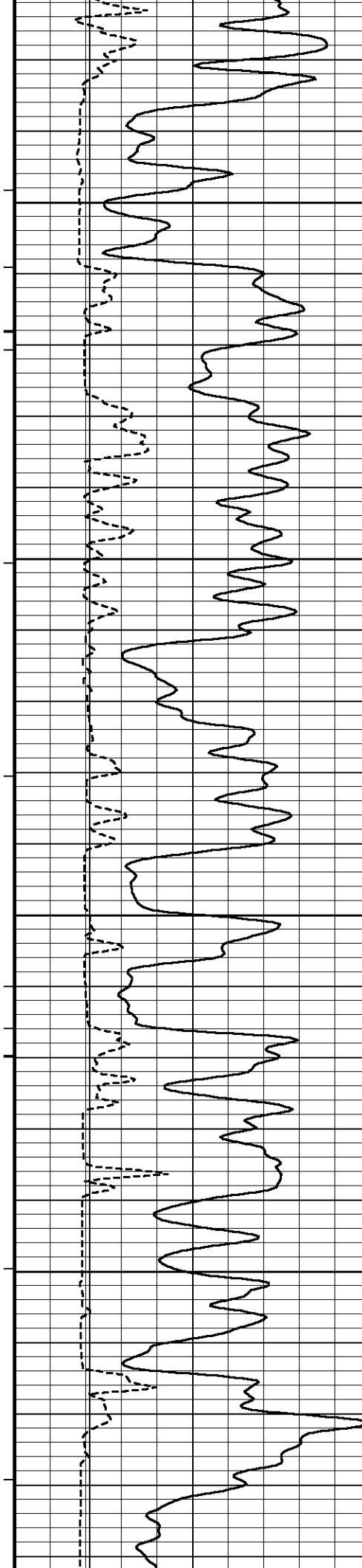
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11650

11700





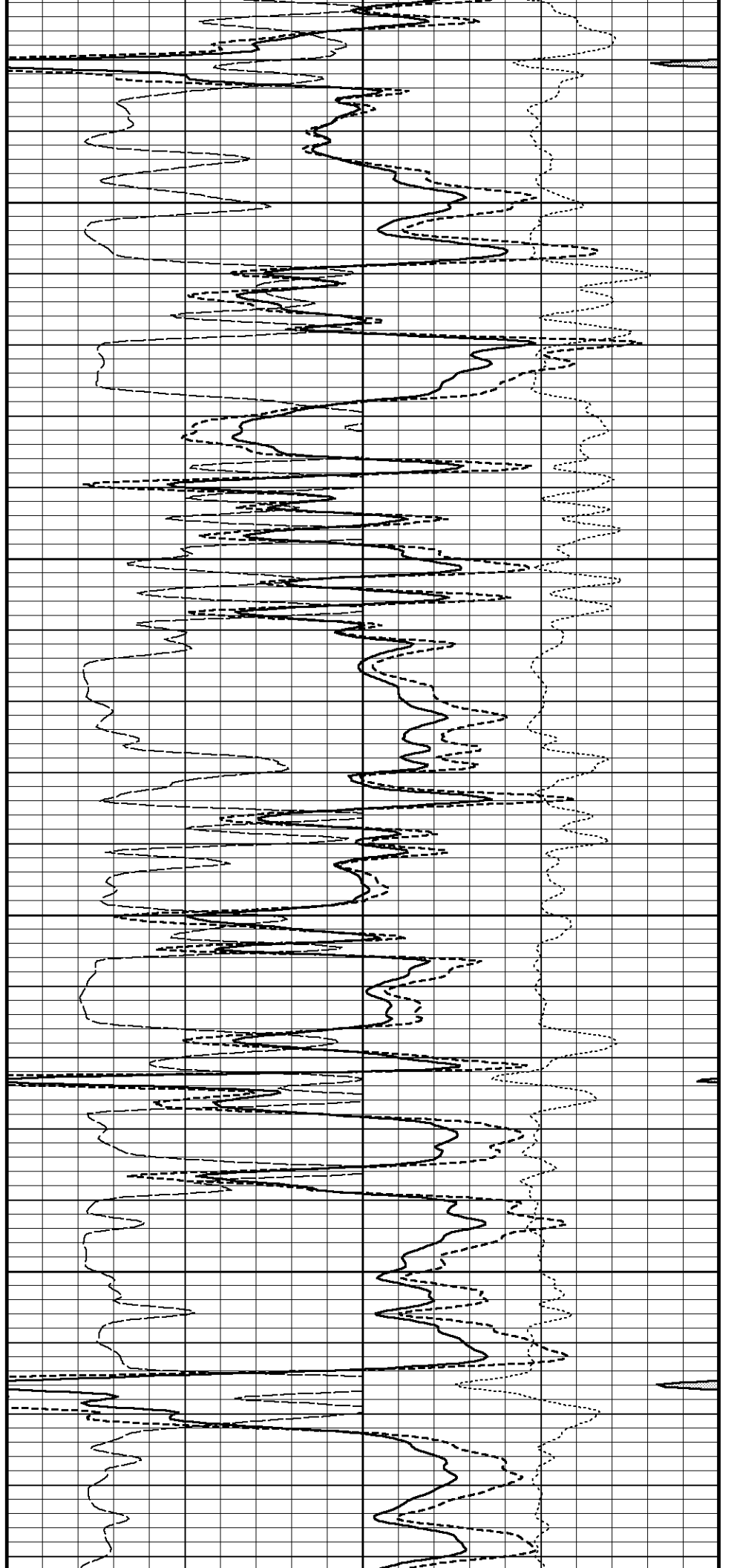


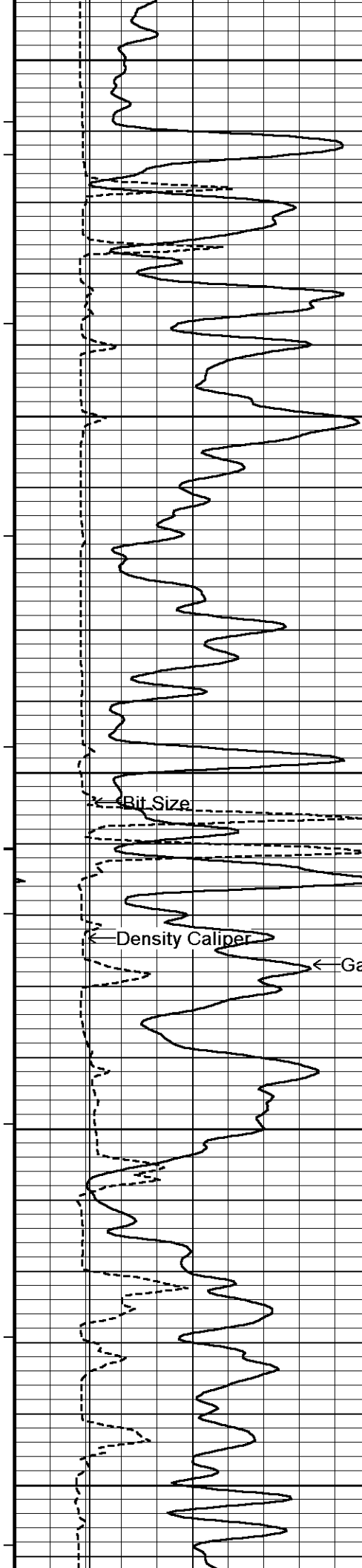
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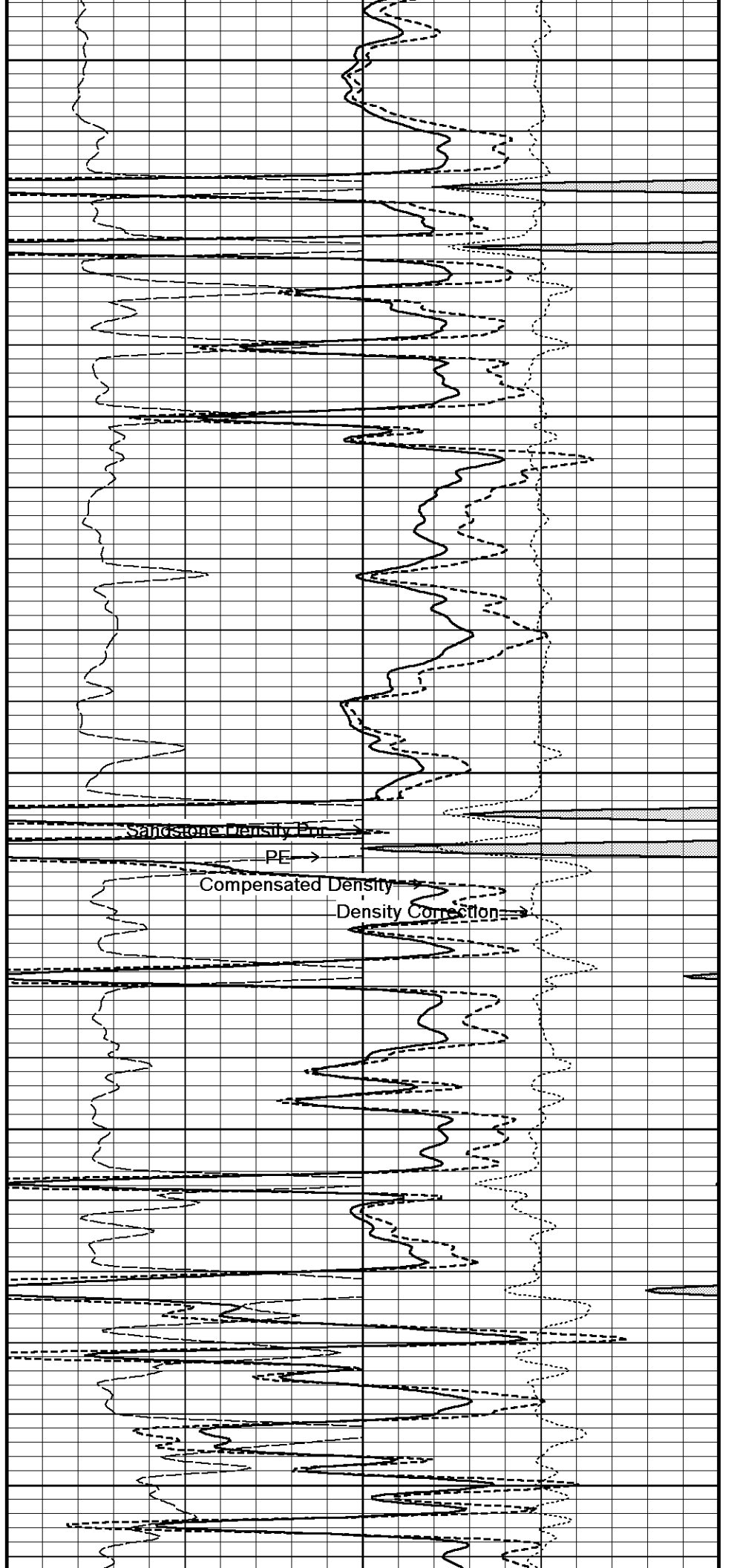
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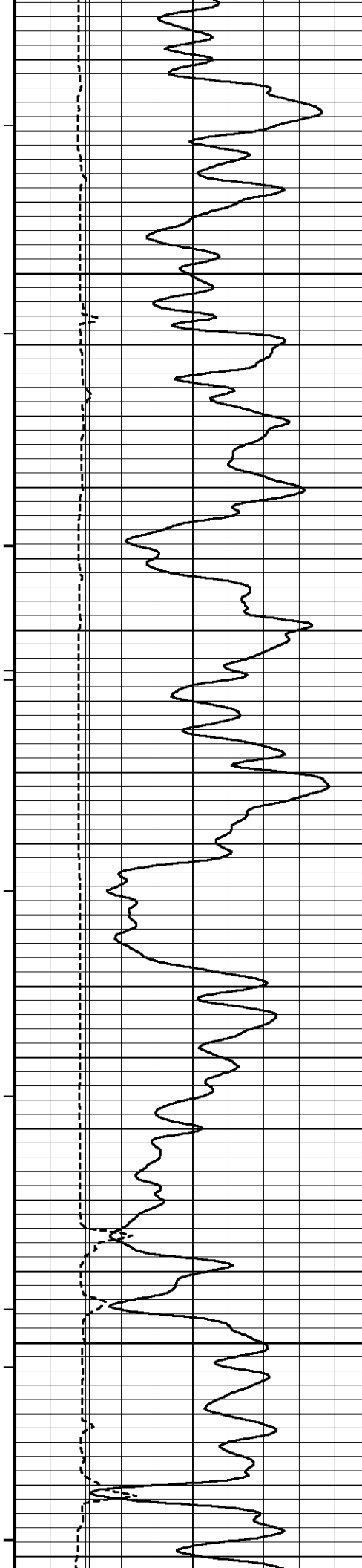




12150
12200
12250
12300
12350



Sandstone Density Por
PE
Compensated Density
Density Correction

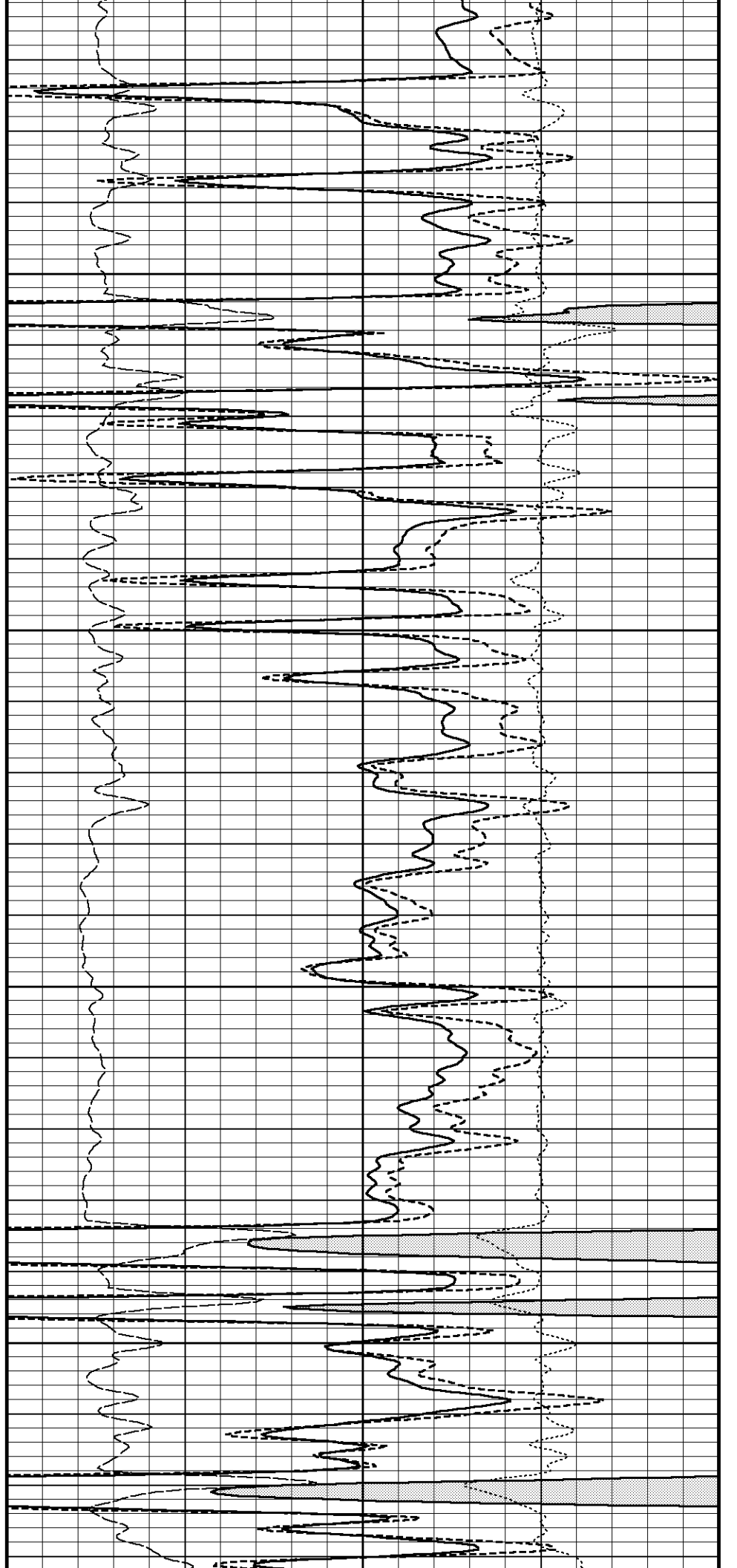


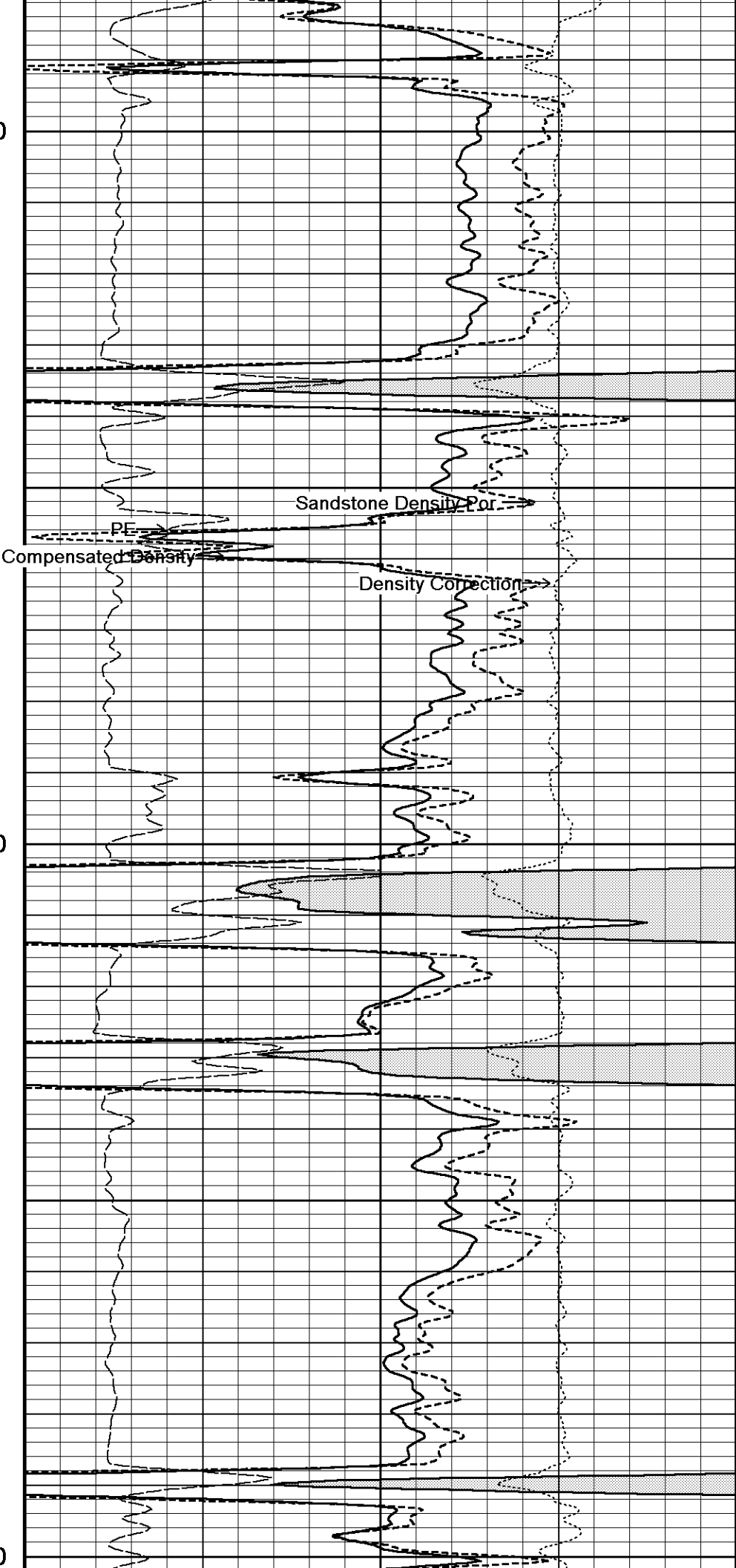
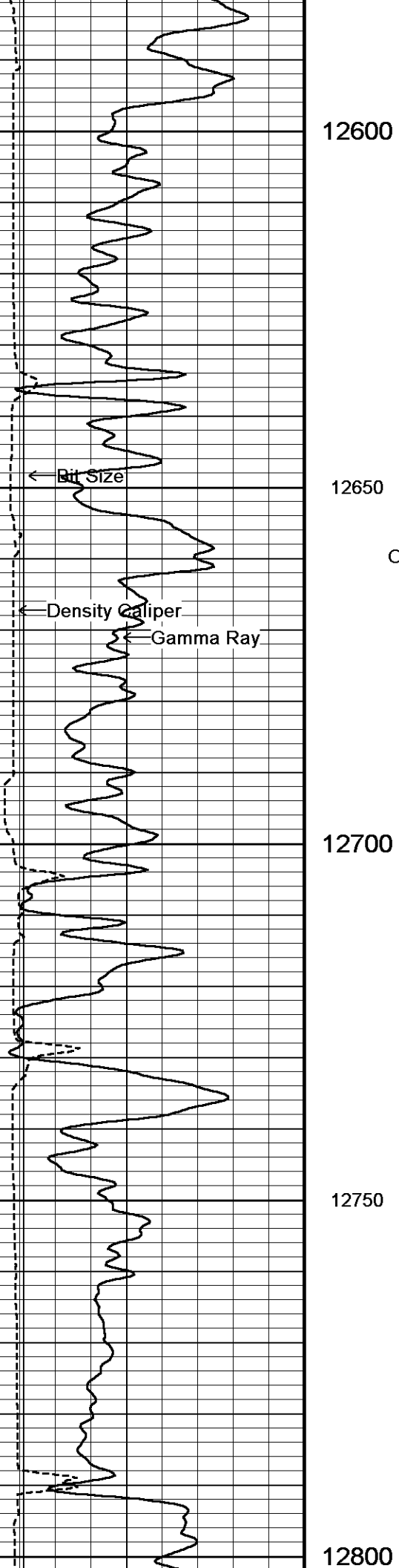
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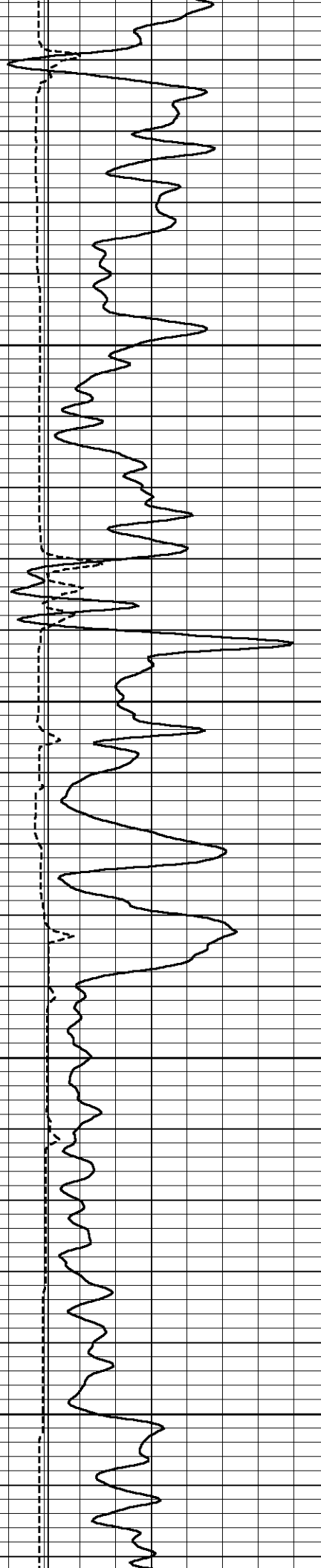
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12500

12550





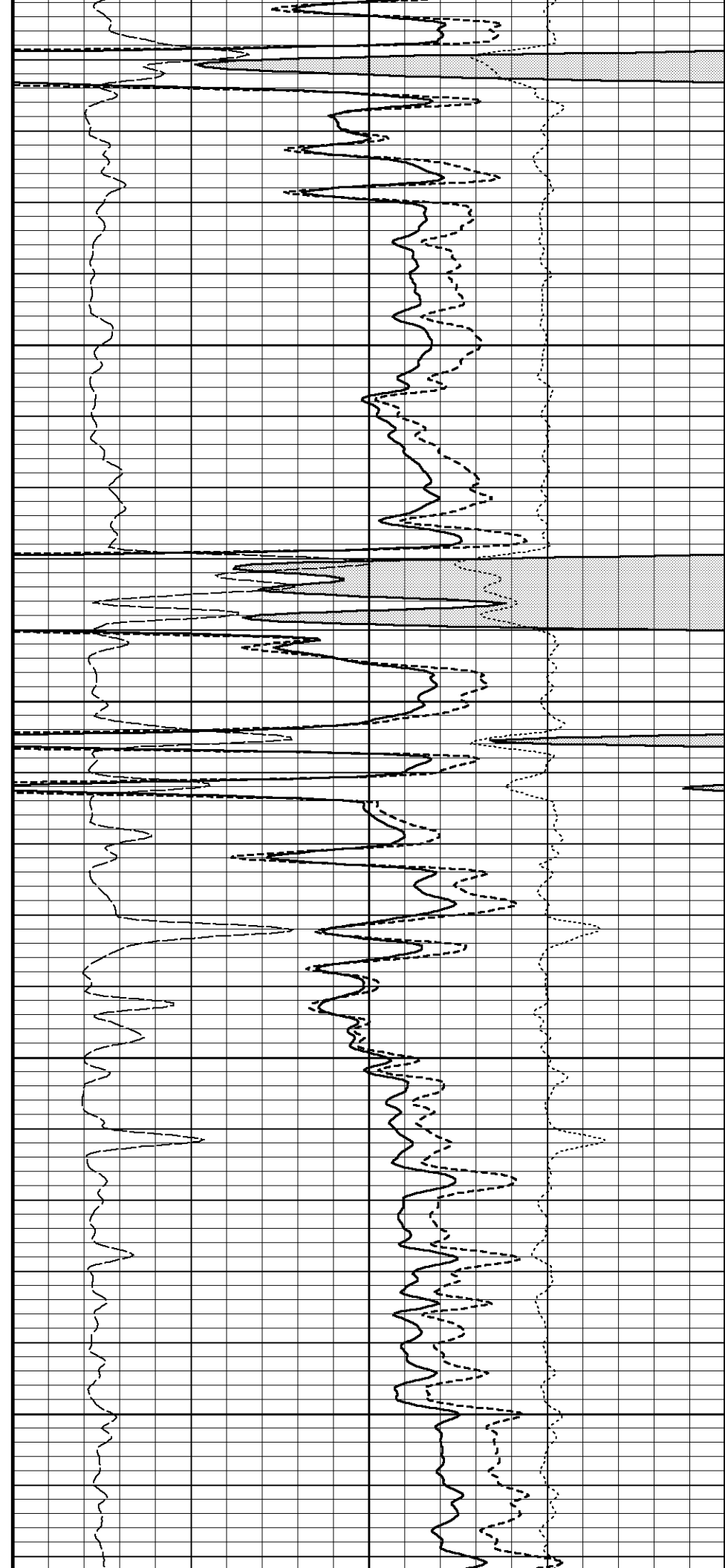


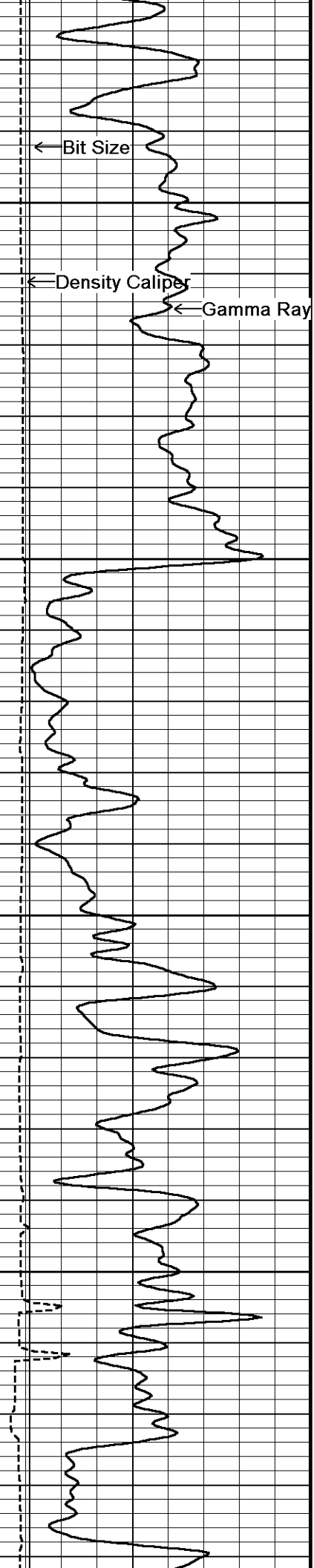
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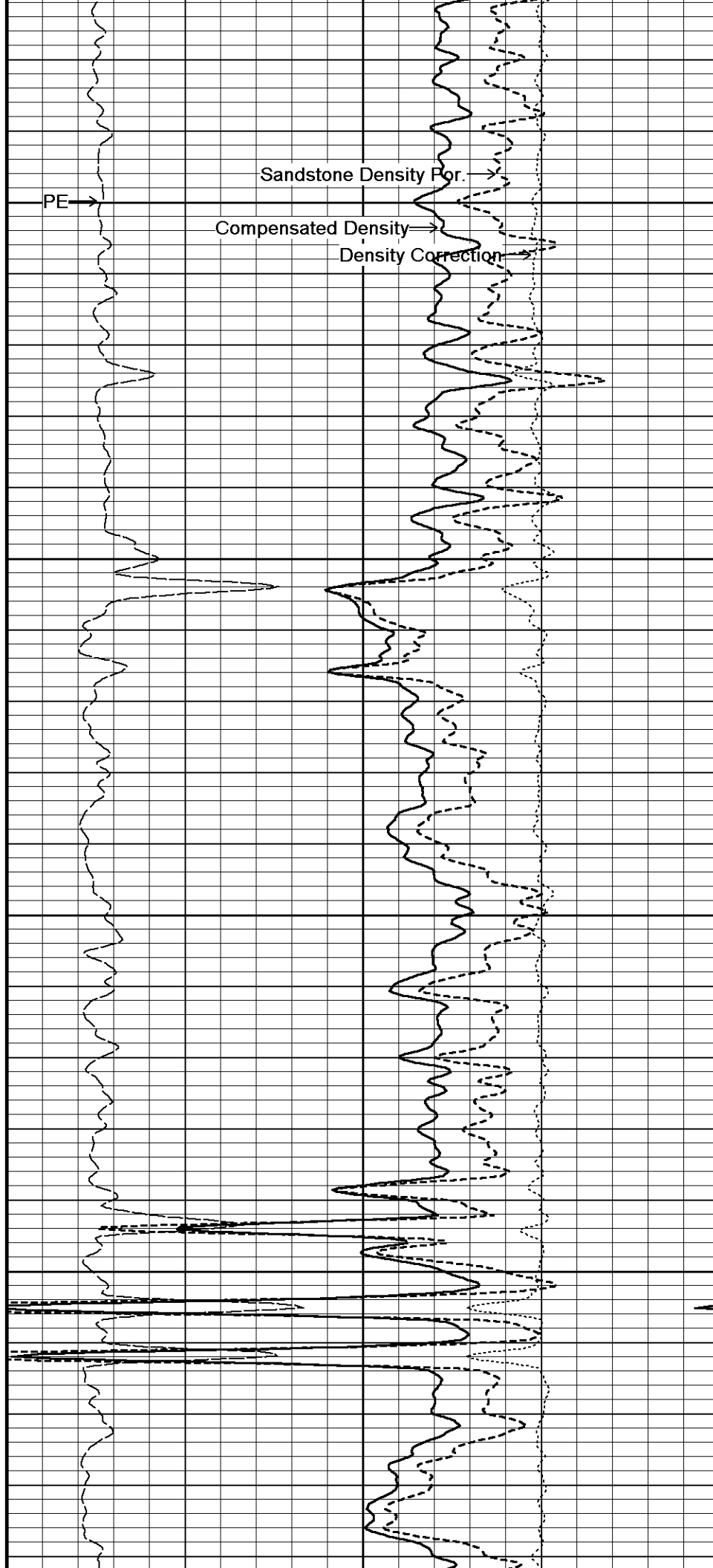
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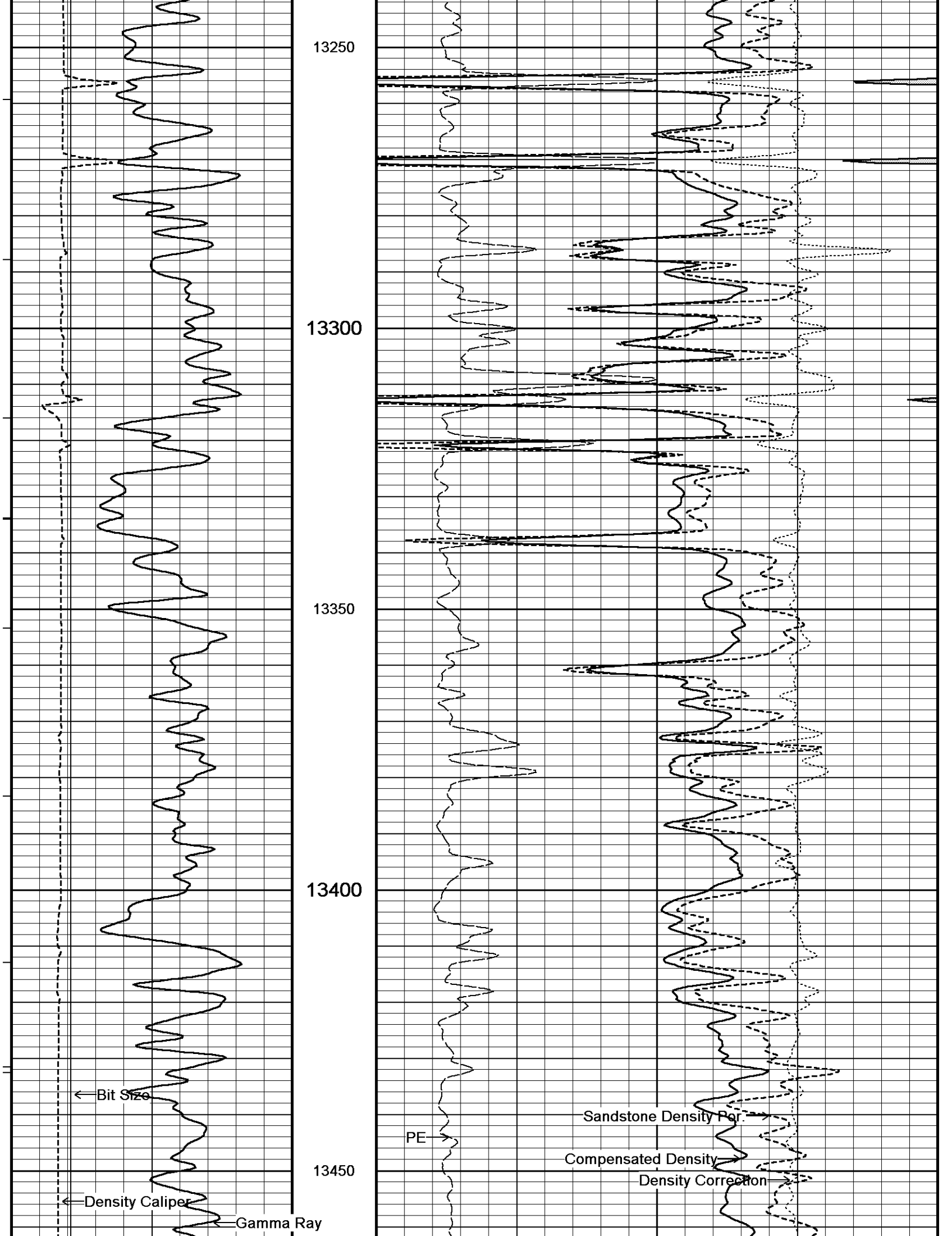
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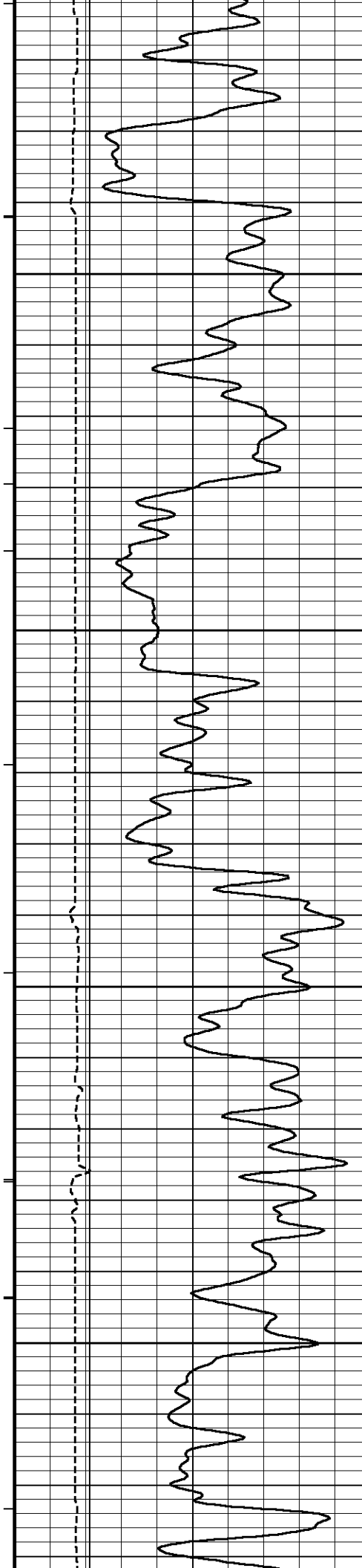




13050
13100
13150
13200





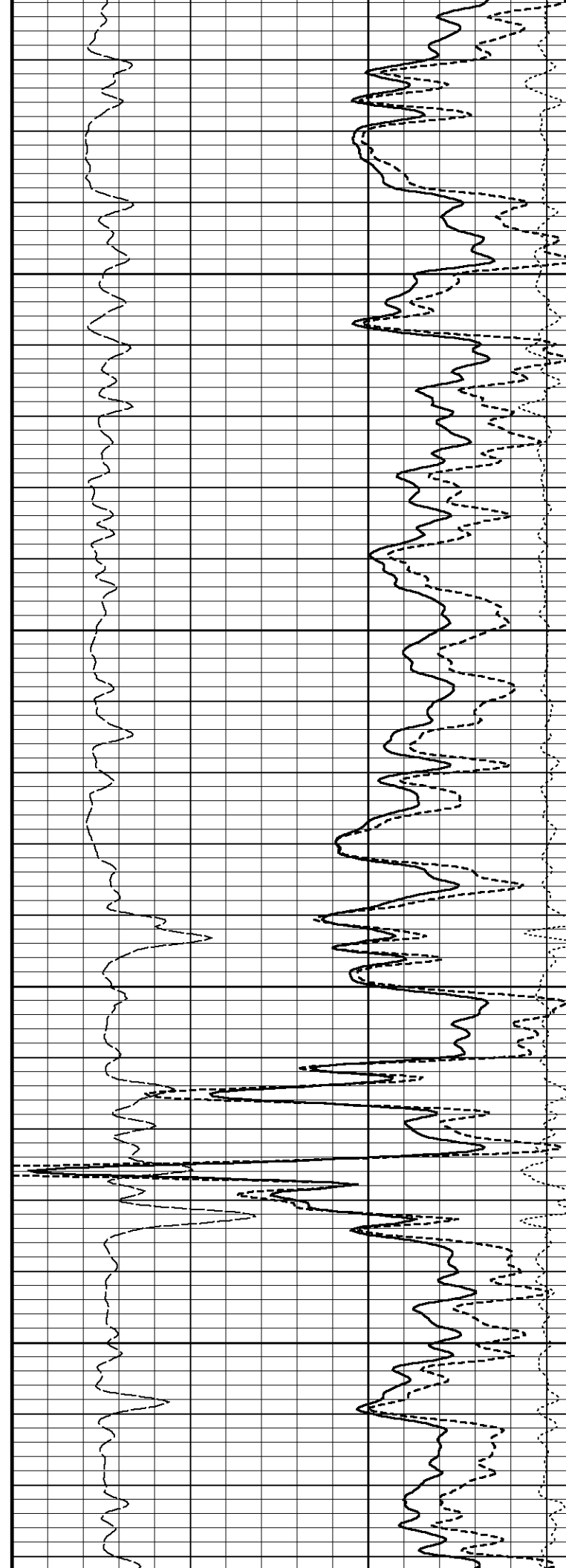


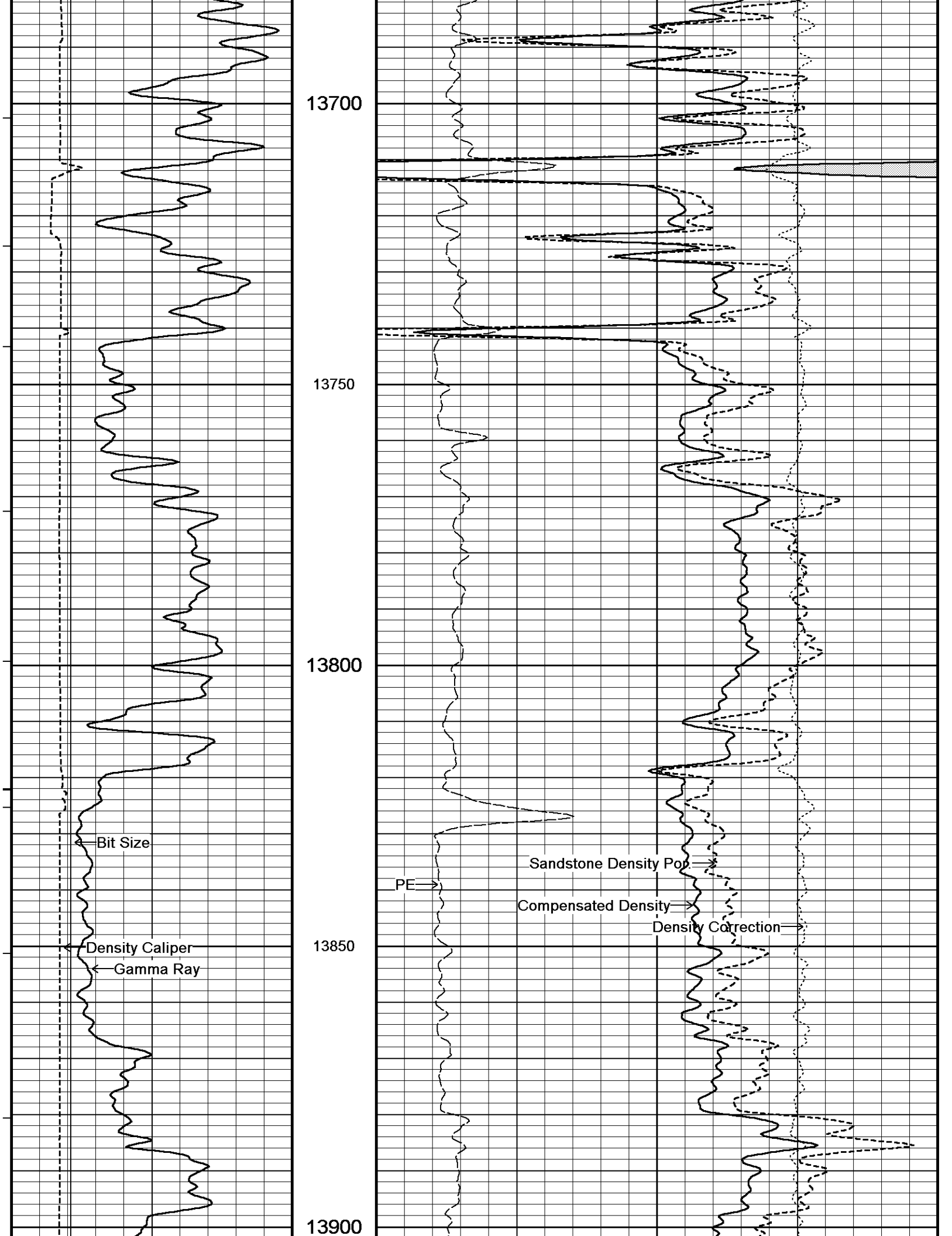
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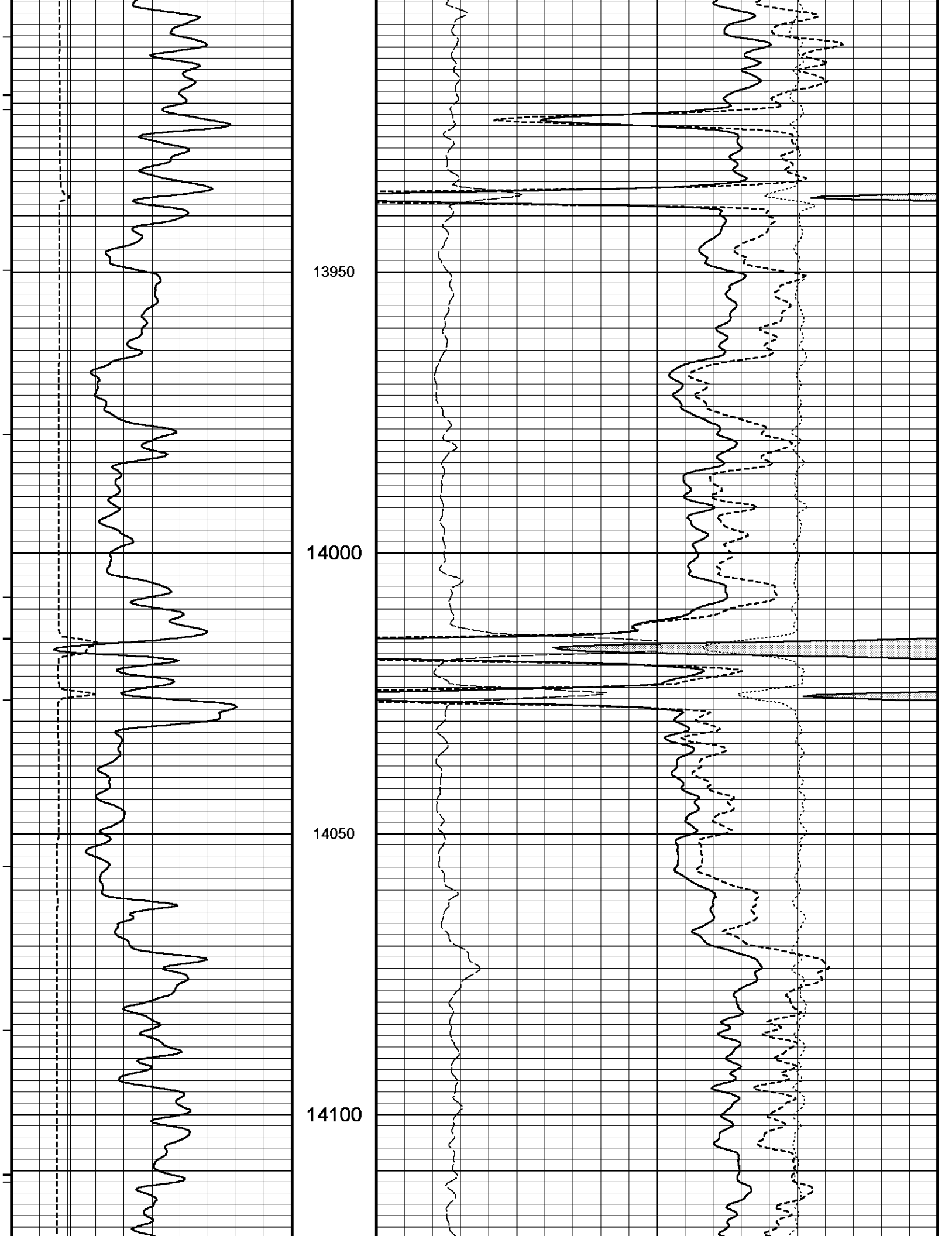
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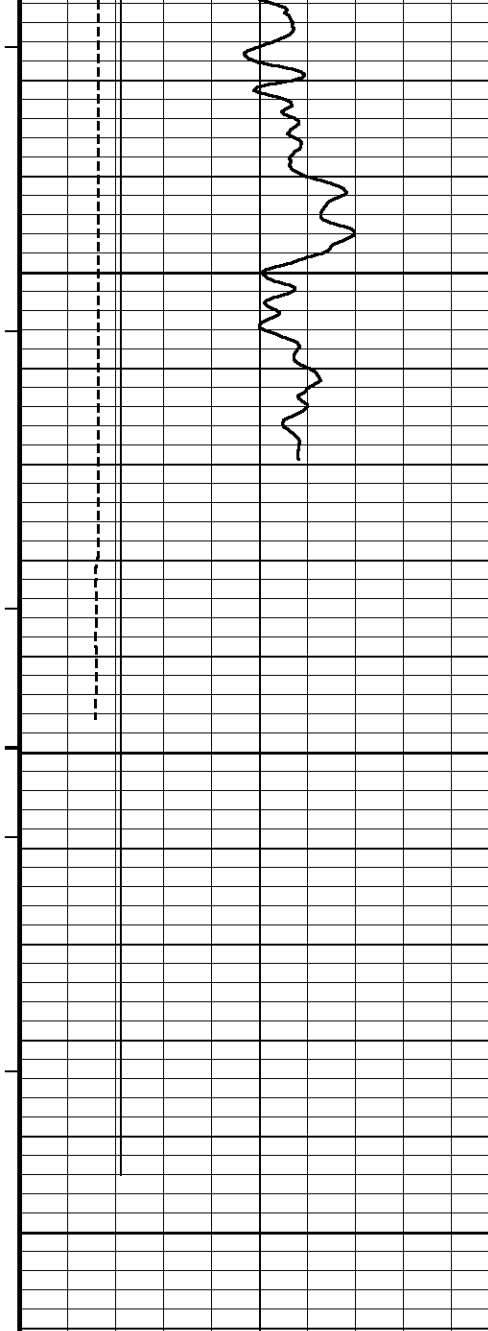
13600

13650









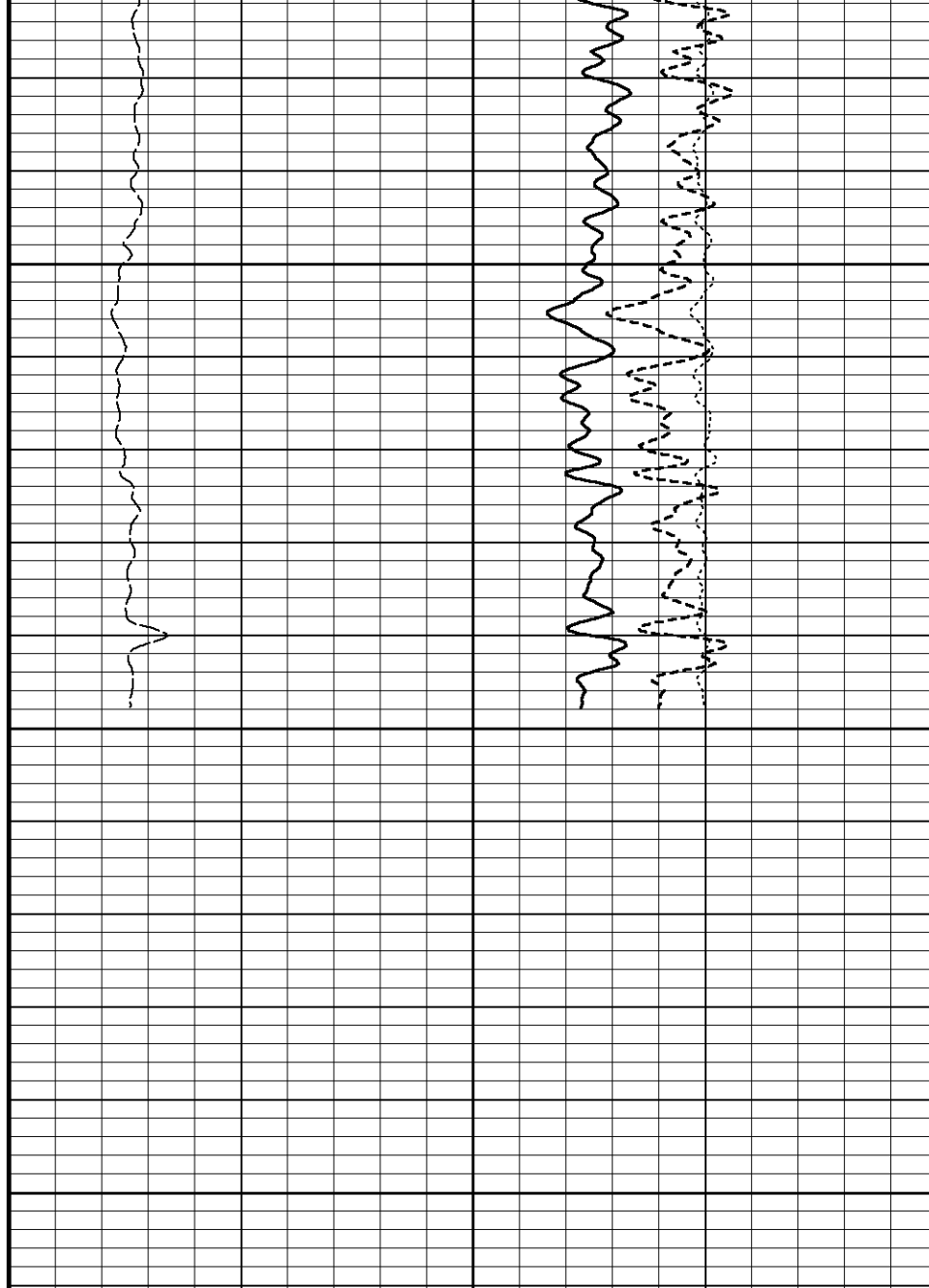
14150

14200

14250

14260

DSC
in
Feet



Timing Marks
every 60.0 sec

Gamma Ray

API

75

225

Density Caliper

inches

9

Bit Size

inches

9

Compensated Density

grams/cc

2.25

2.50

2.75

1.25

1.50

1.75

Sandstone Density Por.

percent

20

10

0

-10

PE

barns/electron

5

10

Density Correction

grams/cc

0

0.25

Replay
Scale
1:240

5 INCH MAIN LOG

BEFORE SURVEY CALIBRATION

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General Constants All 000		Last Edited on 03-OCT-2010,20:43
General Parameters		
Mud Resistivity	3.750	ohm-metres
Mud Resistivity Temperature	84.000	degrees F
Water Level	0.000	feet
Density/Neutron Processing	Wet Hole	
Hole/Annular Volume and Differential Caliper Parameters		
HVOL Method	Single Caliper	
HVOL Caliper 1	Density Caliper	
HVOL Caliper 2	N/A	
Annular Volume Diameter	4.500	inches
Caliper for Differential Caliper	None	
Rwa Parameters		
Porosity used	Base Density Porosity	
Resistivity used	Array Ind. One Res Rt	
RWA Constant A	0.610	
RWA Constant M	2.150	

Down-hole Tension Calibration SMS 000		Field Calibration on 27-SEP-2010 04:42
Reading No	Measured	Calibrated (lbs)
1	16081.88	0.00
2	16827.21	350.00

SP Calibration MCG 342		Field Calibration on 29-JUN-2009,14:39
	Measured	Calibrated (mV)
Reference 1	-100.0	100.0
Reference 2	100.0	-100.0

Gamma Calibration MCG 342		Field Calibration on 03-OCT-2010,20:43
	Measured	Calibrated (API)
Background	83	54
Calibrator (Gross)	1024	666
Calibrator (Net)	941	612

Gamma Constants MCG 342		Last Edited on 29-JUN-2009,14:38
Gamma Calibrator Number	GRC-005	
Mud Density	1.00	gm/cc
Caliper Source for Processing	Density Caliper	
Tool Position	Eccentred	
Concentration of KCl	0.00	kppm

High Resolution Temperature Calibration MCG 342		Field Calibration on 03-OCT-2010,20:43
	Measured	Calibrated(Deg F)
Lower	50.00	50.00
Upper	75.00	75.00

High Resolution Temperature Constants MCG 342		Last Edited on 03-OCT-2010,20:43
Pre-filter Length	11	

Neutron Calibration MDN 250		Base Calibration on 03-SEP-2010 16:24 Field Check on 03-OCT-2010,20:48
Base Calibration		
	Measured	Calibrated (cps)

	Near	Far	Near	Far
	3043	93	3714	110
Ratio	32.551		33.764	

Field Calibrator at Base		Calibrated (cps)
Ratio	1588	2313
		0.687
Field Check		Calibrated (cps)
Ratio	1592	2329
		0.683

Neutron Constants MDN 250

Last Edited on 21-SEP-2010,09:21

Neutron Source Id	755	
Neutron Jig Number	6532	
Epithermal Neutron	No	
Caliper Source for Processing	Density Caliper	
Stand-off	0.00	inches
Mud Density	1.00	gm/cc
Limestone Sigma	7.10	cu
Sandstone Sigma	7.00	cu
Dolomite Sigma	4.70	cu
Formation Pressure Source	Constant Value	
Formation Pressure	0.00	kpsi
Temperature Source	Constant Value	
Temperature	68.00	degrees F
Mud Salinity	0.00	kppm
Formation Fluid Salinity Source	Constant Value	
Formation Fluid Salinity	0.00	kppm
Barite Mud Correction	Not Applied	

FE Calibration MFE 236

Base Calibration on 03-SEP-2010 14:10
Field Check on 03-OCT-2010 20:58

Base Calibration		
	Measured	Calibrated (ohm-m)
Reference 1	0.0	0.0
Reference 2	963.2	126.8
Base Check		281.2
Field Check		281.2

FE Constants MFE 236

Last Edited on 14-SEP-2010,03:17

Running Mode	No Sleeve	
MFE K Factor	0.1268	
Caliper Source for FE correction	Density Caliper	
Caliper Value for FE correction	N/A	inches
Rm Source for FE correction	Constant Value	
Temp. for Rm Corr.	N/A	
Stand-off	Centred	inches

Sonic Constants MSS 096

Last Edited on 03-OCT-2010,20:59

Maximum Boundary Contrast	100.00	micro-sec/ft
Fluid Transit Time	189.00	micro-sec/ft
Limestone Transit Time	47.50	micro-sec/ft
Sandstone Transit Time	55.50	micro-sec/ft
Dolomite Transit Time	43.50	micro-sec/ft
Sonic used for Porosities	3-5' Compensated Sonic	
Correction for Sonde Skew	Applied	
Cycle Stretch Algorithm	Applied	
MN3FT	N/A	micro-sec
MX3FT	N/A	micro-sec
Hunt-Raymer Constant	83.13	micro-sec/ft

Sonde Mode	Full Waveform
Hole Type	Open Hole

Sonde Parameters

	Measured	Calibrated
Offset	0.0000	0.0000
Free Pipe	0.0000	0.0000

Peak Amplitude Source 0

Waveform	Start Time (micro-sec)	Width (micro-sec)	Pre Gain	Start Gain	Discriminator (mV)
3'	N/A	N/A	N/A	N/A	N/A
4'	N/A	N/A	N/A	N/A	N/A
5'	N/A	N/A	N/A	N/A	N/A
6'	N/A	N/A	N/A	N/A	N/A

Processed Fixed Gate Parameters

Waveform Used For Processing	3 foot		
Start Time (micro-sec)	End Time (micro-sec)	Discriminator (mV)	Depth (m)
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	0.00
0.00	0.00	0.00	0.00

Full Waveform Parameters

Use 3' Waveform to derive TR	Yes
Use 4' Waveform to derive TR	Yes
Use 5' Waveform to derive TR	Yes
Use 6' Waveform to derive TR	Yes
3' Waveform Discriminator Level	0.30 mV
4' Waveform Discriminator Level	0.30 mV
5' Waveform Discriminator Level	0.15 mV
6' Waveform Discriminator Level	0.15 mV
3' Waveform Filter	None
4' Waveform Filter	None
5' Waveform Filter	None
6' Waveform Filter	None
Semblance Level	0.50
Semblance Window Width	120.00 micro-sec
Sonic 1 Despiker	100.00 micro-sec/ft
Sonic 2 Despiker	100.00 micro-sec/ft

High Resolution Temperature Calibration MAI 286 Field Calibration on 14-SEP-2010,03:19

	Measured	Calibrated(Deg F)
Lower	10.00	50.00
Upper	100.00	212.00

High Resolution Temperature Constants MAI 286 Last Edited on

Pre-filter Length 11

Induction Calibration MAI 286 Base Calibration on 30-AUG-2010,13:58
Field Check on 03-OCT-2010 20:54

Base Calibration					
Test Loop Calibration		Measured		Calibrated (mmho/m)	
Channel	Low	High	Low	High	
1	17.8	471.4	9.3	966.2	
2	6.8	387.0	7.6	821.4	
3	3.2	259.6	5.2	566.0	
4	2.0	136.1	2.6	279.2	

Array Temperature 75.2 Deg F

Channel	Base Check (mmho/m)		Field Check (mmho/m)	
	Low	High	Low	High
1	13.6	3854.2	11.3	3854.7
2	29.1	3480.7	28.4	3482.4
3	29.3	3040.7	29.0	3042.7
4	19.0	2026.4	18.9	2027.8
Deep	18.6	1993.4	18.5	1994.8
Medium	42.8	4020.9	42.7	4023.7
Shallow	42.3	5124.1	41.1	5126.5

Induction Constants MAI 286

Last Edited on 21-SEP-2010,13:29

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		6.0000	
Stand-off Fin Angle		60.00	degrees
Stand-off Fin Width		0.5000	inches
Borehole Corr. Rm Source		Temperature Corr	
Temp. for Rm Corr.	MCG 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	1.00	v/v
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	

Caliper Calibration MPD 297

Base Calibration on 06-SEP-2010 15:20

Field Calibration on 03-OCT-2010,20:55

Base Calibration

Reading No	Measured	Calibrator Size (in)
1	16944	4.00
2	25504	5.96
3	33088	7.98
4	41248	9.86
5	50304	11.88
6	N/A	N/A

Field Calibration

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

Photo Density Calibration MPD 297

Base Calibration on 07-SEP-2010,20:52

Field Check on 03-OCT-2010 20:52

Density Calibration

Base Calibration	Measured		Calibrated (sdu)	
	Near	Far	Near	Far
Reference 1	48641	17016	53115	19186
Reference 2	23254	2648	25020	2536

Field Check at Base

1217.4	1425.1
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Field Check

1208.3	1422.8
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PE Calibration

Base Calibration	WS	Measured WH	Ratio	Calibrated Ratio
Background	223	1081		
Reference 1	14027	48449	0.291	0.320
Reference 2	5796	23096	0.253	0.272
Field Check at Base	222.6	1080.8		
Field Check	220.9	1066.1		

Density Constants MPD 297

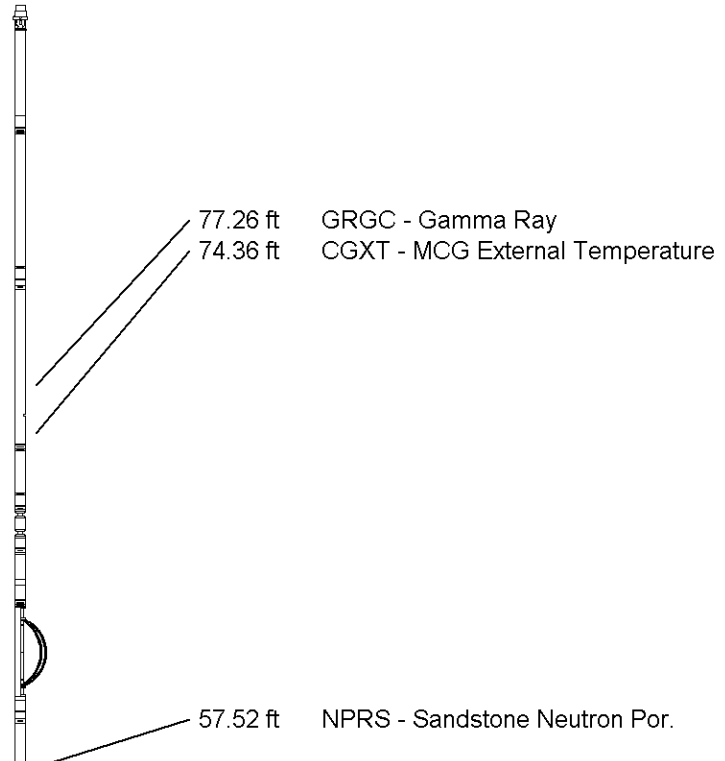
Last Edited on 03-OCT-2010,21:46

Density Source Id	271	
Nylon Calibrator Number	507	
Aluminium Calibrator Number	507	
Density Shoe Profile	4 inch	
Caliper Source for Processing	Density Caliper	
PE Correction to Density	Not Applied	
Mud Density	1.22	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)	
2.65	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	
0.00	0.00	

DOWNHOLE EQUIPMENT

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- Shuttle Running Tool 3.5" (SRT A)
- SRT 1 Length: 1.00 ft Weight: 37.5 lb
- MBS-A 400v Compact Battery Sub
- MBS 5 Length: 7.84 ft Weight: 57.3 lb
- Compact Gamma
- MCG 342 Length: 8.70 ft Weight: 63.9 lb
- Compact Memory Sub D.A
- MMS 106 Length: 3.12 ft Weight: 30.9 lb
- SKJ-E.A Compact Knuckle Joint
- SKJ 143 Length: 2.17 ft Weight: 24.3 lb
- SHA-H Compact Swivel Head Adaptor
- SHA 170 Length: 2.30 ft Weight: 22.0 lb
- MIS-D.A Compact Inline Bowspring sub
- MIS 438 Length: 5.70 ft Weight: 33.1 lb
- Compact Neutron
- MDN 250 Length: 5.04 ft Weight: 50.7 lb



Compact Density/Caliper
 MPD 297 Length: 9.59 ft Weight: 90.4 lb

MIS-D.A Compact Inline Bowspring sub
 MIS 439 Length: 5.70 ft Weight: 33.1 lb

SHA-J.A Compact Swivel Head Adaptor
 SHA 316 Length: 2.30 ft Weight: 22.0 lb

SKJ-D.A Compact Knuckle Joint
 SKJ 260 Length: 2.17 ft Weight: 24.3 lb

MIS-E.A Compact Inline Standoff sub
 MIS 182 Length: 2.14 ft Weight: 15.4 lb

Compact Focussed Electric
 MFE 236 Length: 6.03 ft Weight: 48.5 lb

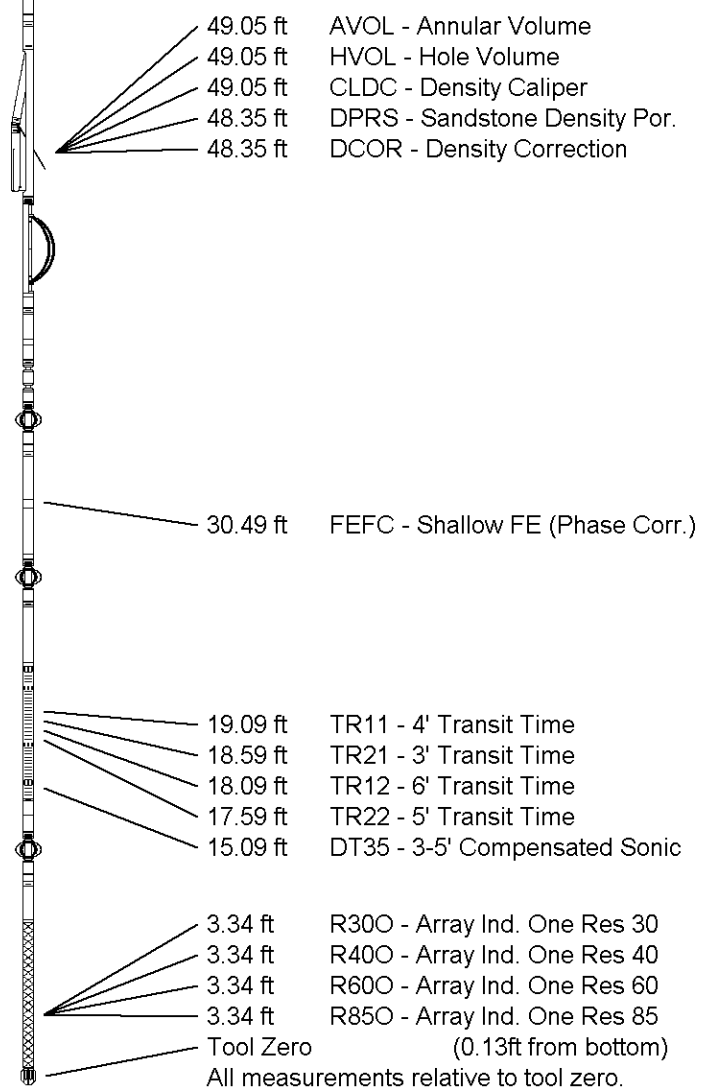
MIS-E.A Compact Inline Standoff sub
 MIS 277 Length: 2.14 ft Weight: 15.4 lb

Compact Sonic
 MSS 96 Length: 12.52 ft Weight: 72.8 lb

MIS-E.A Compact Inline Standoff sub
 MIS 183 Length: 2.14 ft Weight: 15.4 lb

Compact Induction
 MAI 286 Length: 10.81 ft Weight: 48.5 lb

Total Length: 91.39 ft Weight: 705.5 lb



COMPANY EXXON MOBIL CORPORATION
 WELL PICEANCE CREEK UNIT 296-5A1
 FIELD PICEANCE CREEK
 PROVINCE/COUNTY RIO BLANCO
 COUNTRY/STATE U.S.A. / COLORADO

Elevation Kelly Bushing	7326.00	feet	First Reading	14197.00	feet
Elevation Drill Floor	7325.00	feet	Depth Driller	14288.00	feet
Elevation Ground Level	7296.00	feet	Depth Logger	14245.00	feet



COMPACT WELL SHUTTLE
 COMPENSATED PHOTO DENSITY
 COMPENSATED DUAL NEUTRON LOG

