



Weatherford

**COMPACT PHOTO DENSITY
COMPENSATED NEUTRON
MICRORESISTIVITY LOG**

COMPANY

McCoy PETROLEUM CORPORATION

WELL

REED TRUST "A" #1-36

FIELD

WILDCAT

PROVINCE/COUNTY

GRAY

COUNTRY/STATE

U.S.A. / KANSAS

LOCATION

660' FNL & 660' FEL

SEC

36

TWP 28S

RGE 29W

Other Services

Latitude

37.574874

MAI/MFE

MSS

Longitude

-100.436004

API Number

15-069-20498

Permanent Datum GL, Elevation 2769 feet

Log Measured From KB, 11.00 feet above Permanent Datum

Drilling Measured From KB

Date

03-MAR-2017

Run Number

ONE

Service Order

4558-175770542

Depth Driller

5500.00

Depth Logger

5501.00

First Reading

5469.00

Last Reading

2700.00

Casing Driller

1781.00

Casing Logger

1776.00

Bit Size

7.875

Hole Fluid Type

CHEMICAL

Density / Viscosity

9.05 lb/USg

54.00 CP

PH / Fluid Loss

10.00

Sample Source

FLOWLINE

Rm @ Measured Temp

0.99 @ 75.0

Rmf @ Measured Temp

0.79 @ 75.0

Rmc @ Measured Temp

1.19 @ 75.0

Source Rmf / Rmc

CALC

Rm @ BHT

0.65 @ 115.0

Time Since Circulation

5 HOURS

Max Recorded Temp

115.00

Equipment / Base

13096

Recorded By

ADAM SILL

Witnessed By

ZACH WIELE

Elevations:
KB 2780.00
DF 2778.00
GL 2769.00

BOREHOLE RECORD

Last Edited: 03-MAR-2017 20:48

Bit Size
inches

7.875

Depth From
feet

1781.00

Depth To
feet

5500.00

CASING RECORD

Type

Size
inches

8.625

Depth From
feet

0.00

Shoe Depth
feet

1781.00

Weight
pounds/ft

24.00

REMARKS

- SOFTWARE ISSUE: WLS 16.05.4955.
- RUN ONE: MCG, MML, MDN, MPD, MFE, MSS, MAI RUN IN COMBINATION.
 - HARDWARE: DUAL BOWSPRING USED ON MDN.
 - 0.5 INCH STANDOFF USED ON MFE.
 - TWO 0.5 INCH STANDOFFS USED ON MSS.
 - 0.5 INCH STANDOFF USED ON MAI.
- RUN TWO: SHA, MCG, MIM, MIE RUN IN COMBINATION.
- 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: 1385 CU.FT.

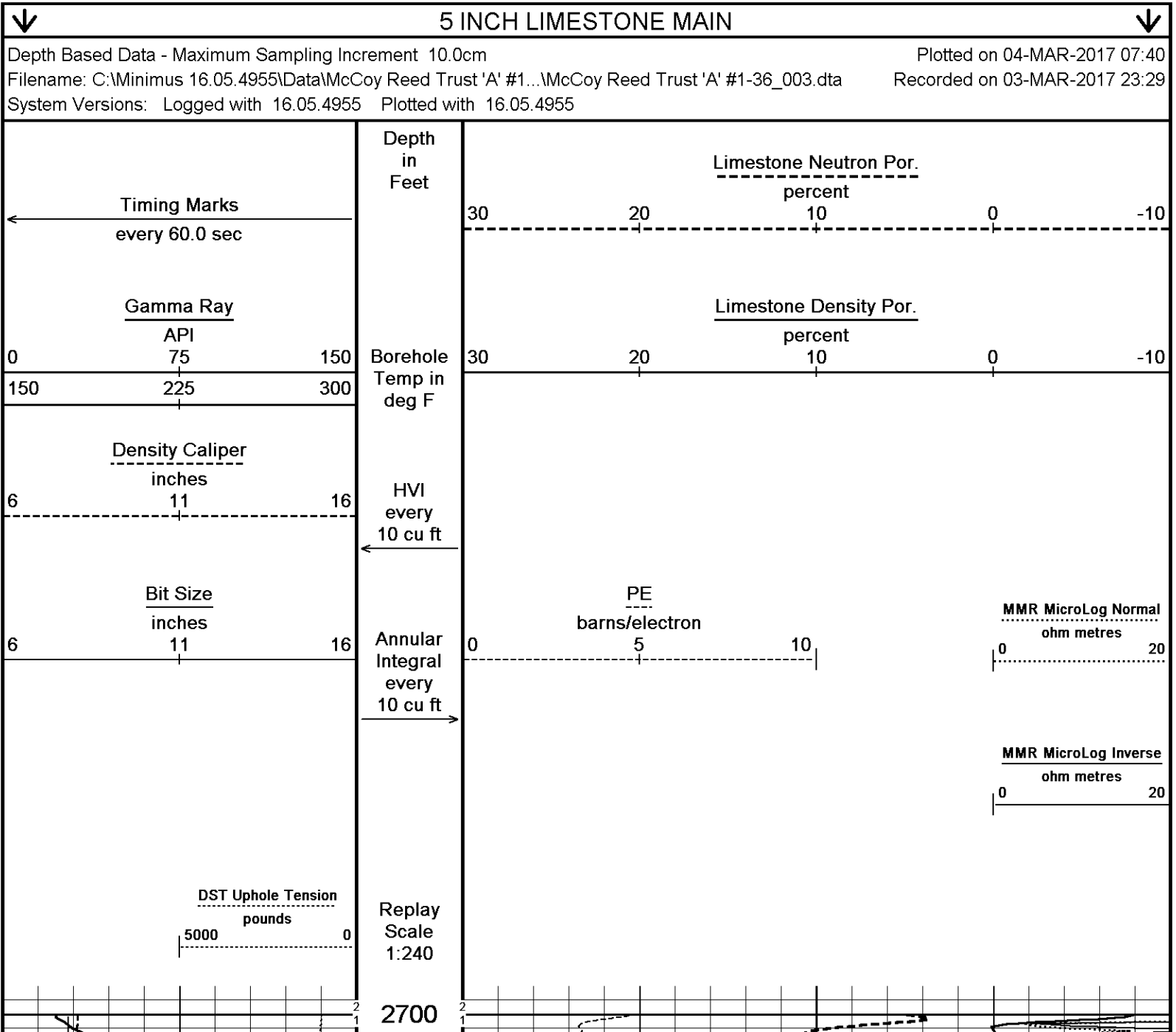
- ANNULAR HOLE VOLUME WITH 4.5 INCH PRODUCTION CASING FROM TD TO 2700 FEET: 638 CU.FT.

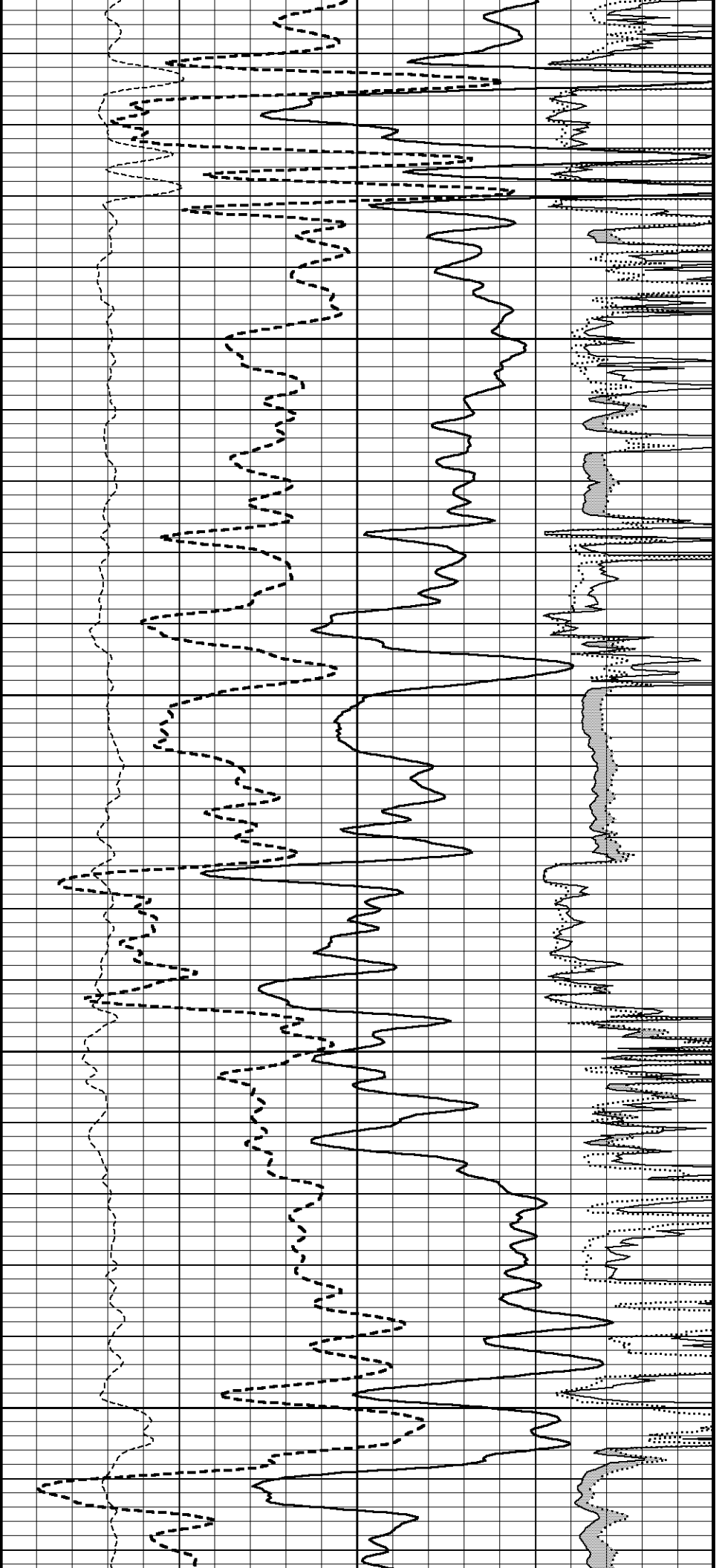
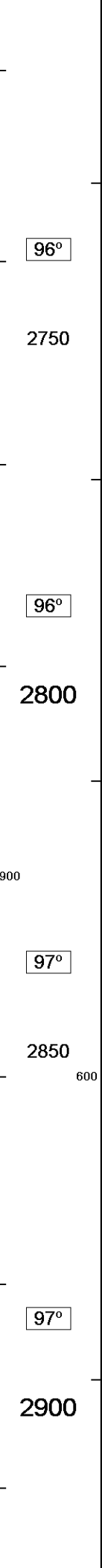
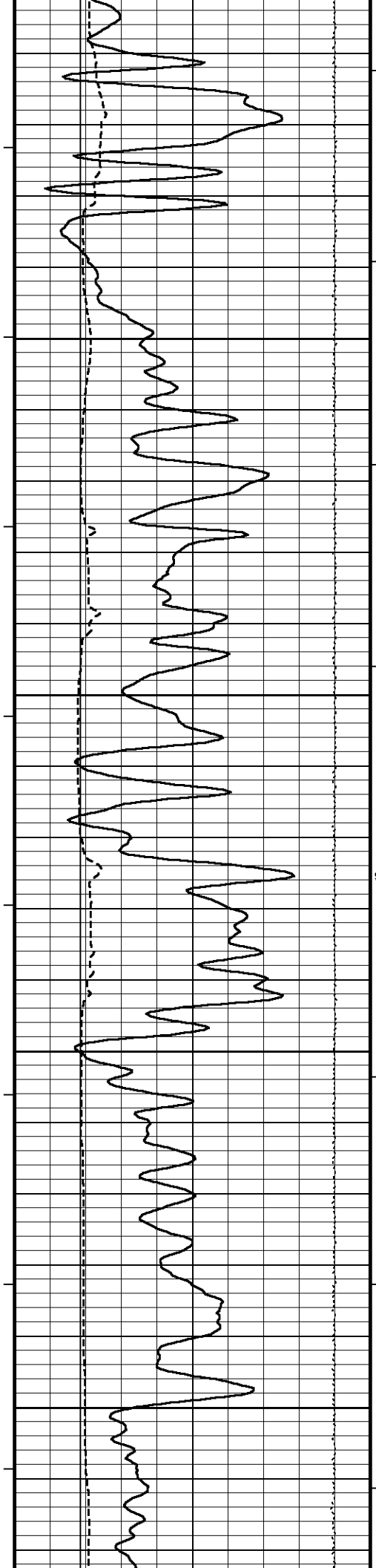
- RIG: STERLING #4.

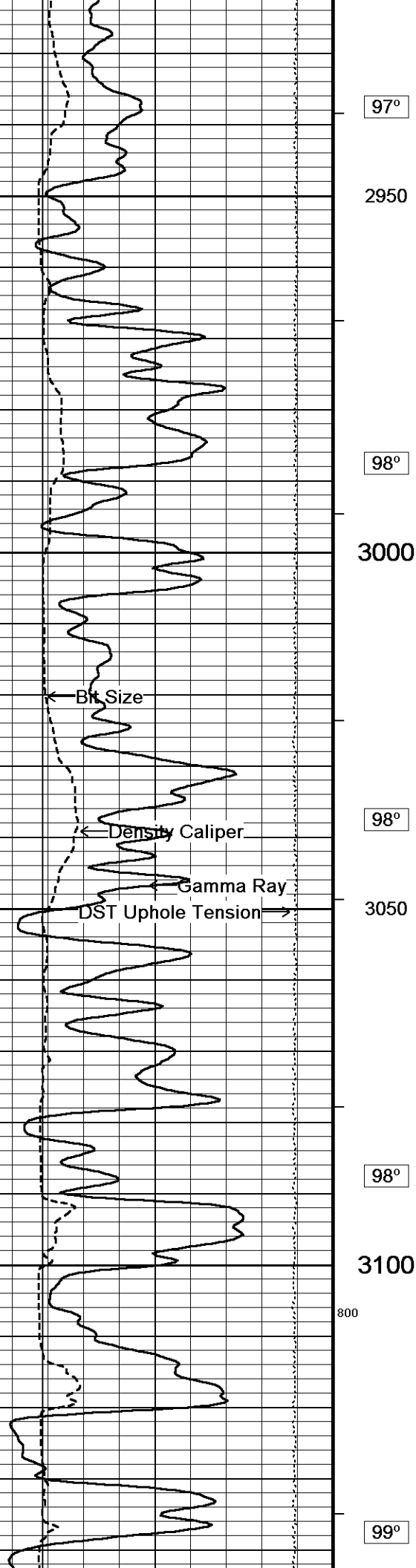
- ENGINEER: A. SILL.

- OPERATOR: B. TOVAR.

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.







97°

2950

98°

3000

Bt Size

Density Caliper

Gamma Ray

DST Uphole Tension

98°

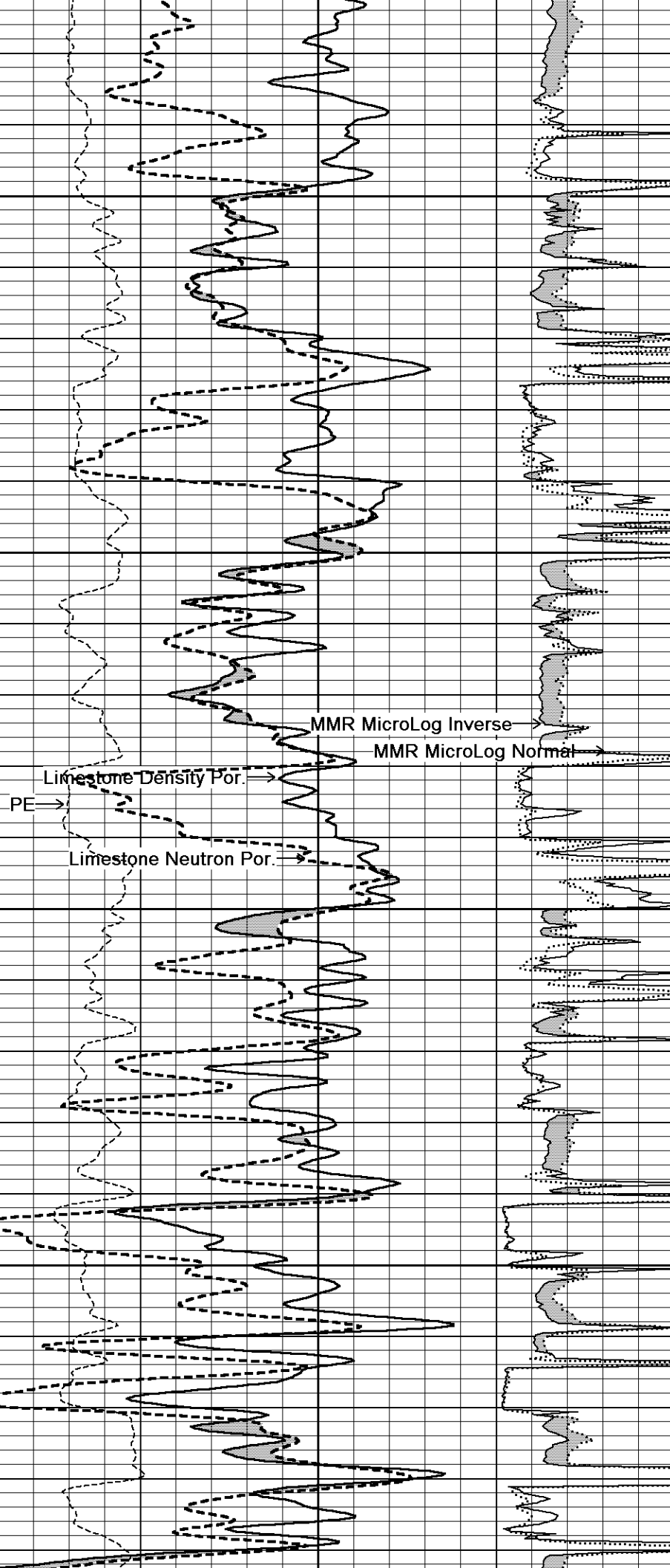
3050

98°

3100

800

99°



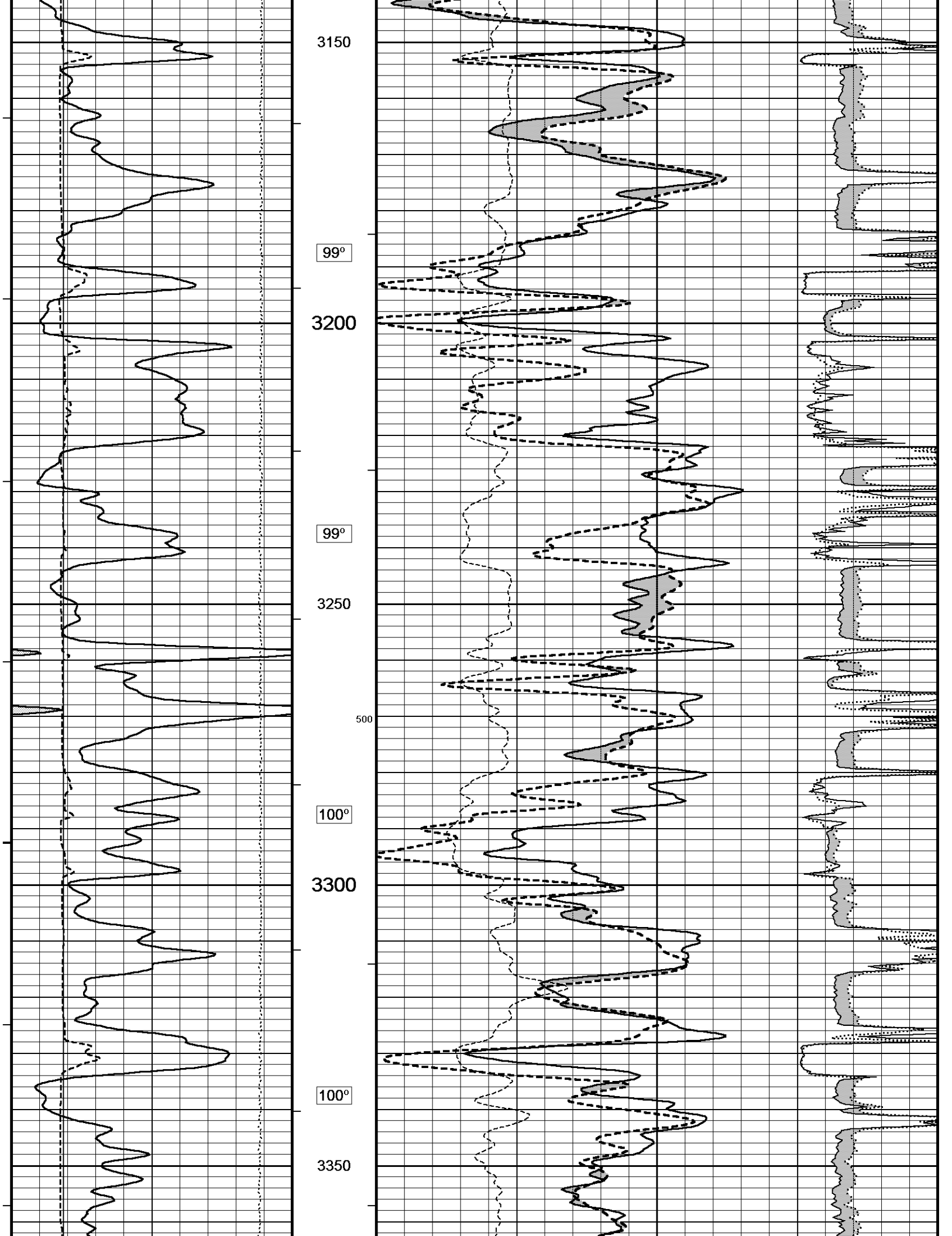
MMR MicroLog Inverse

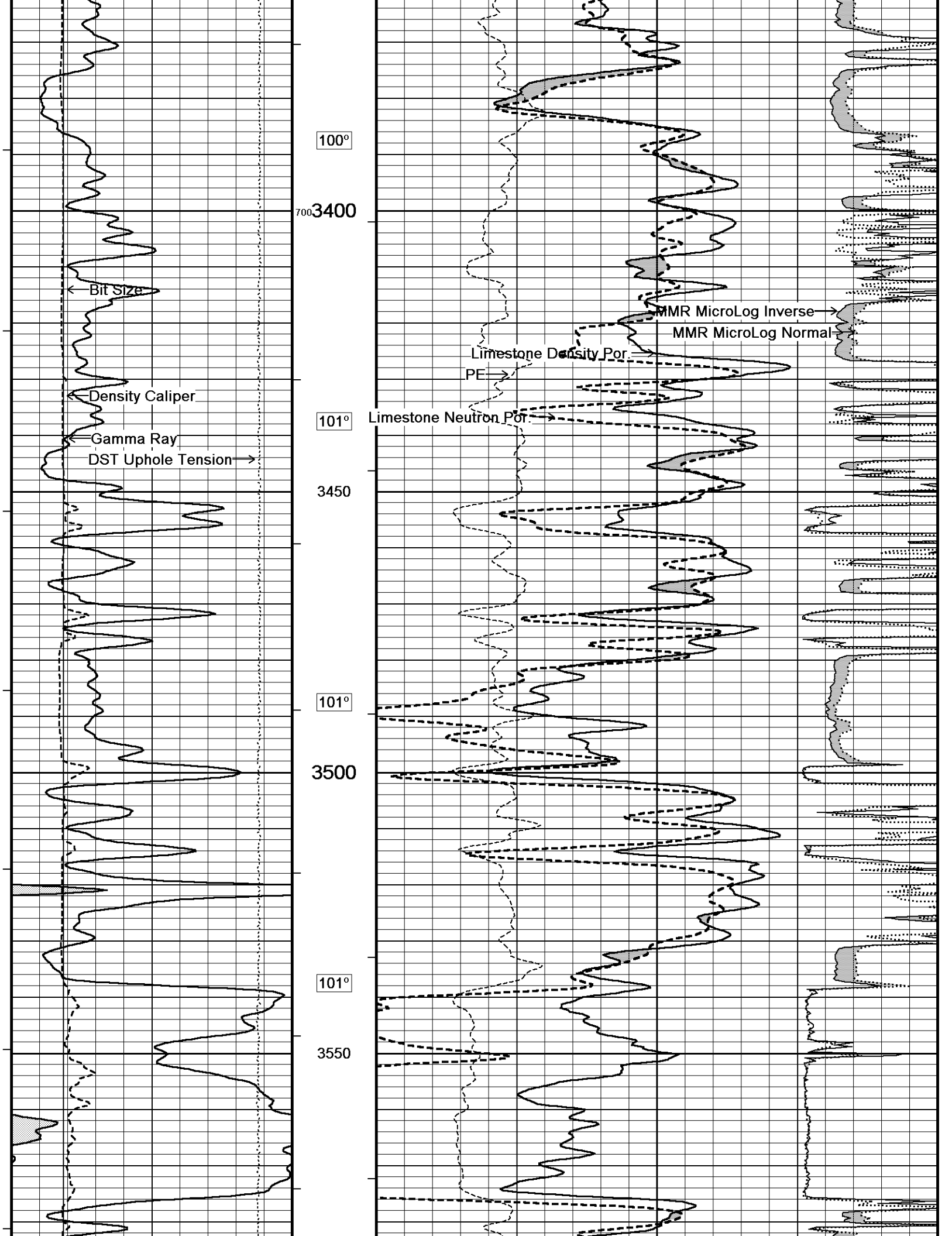
MMR MicroLog Normal

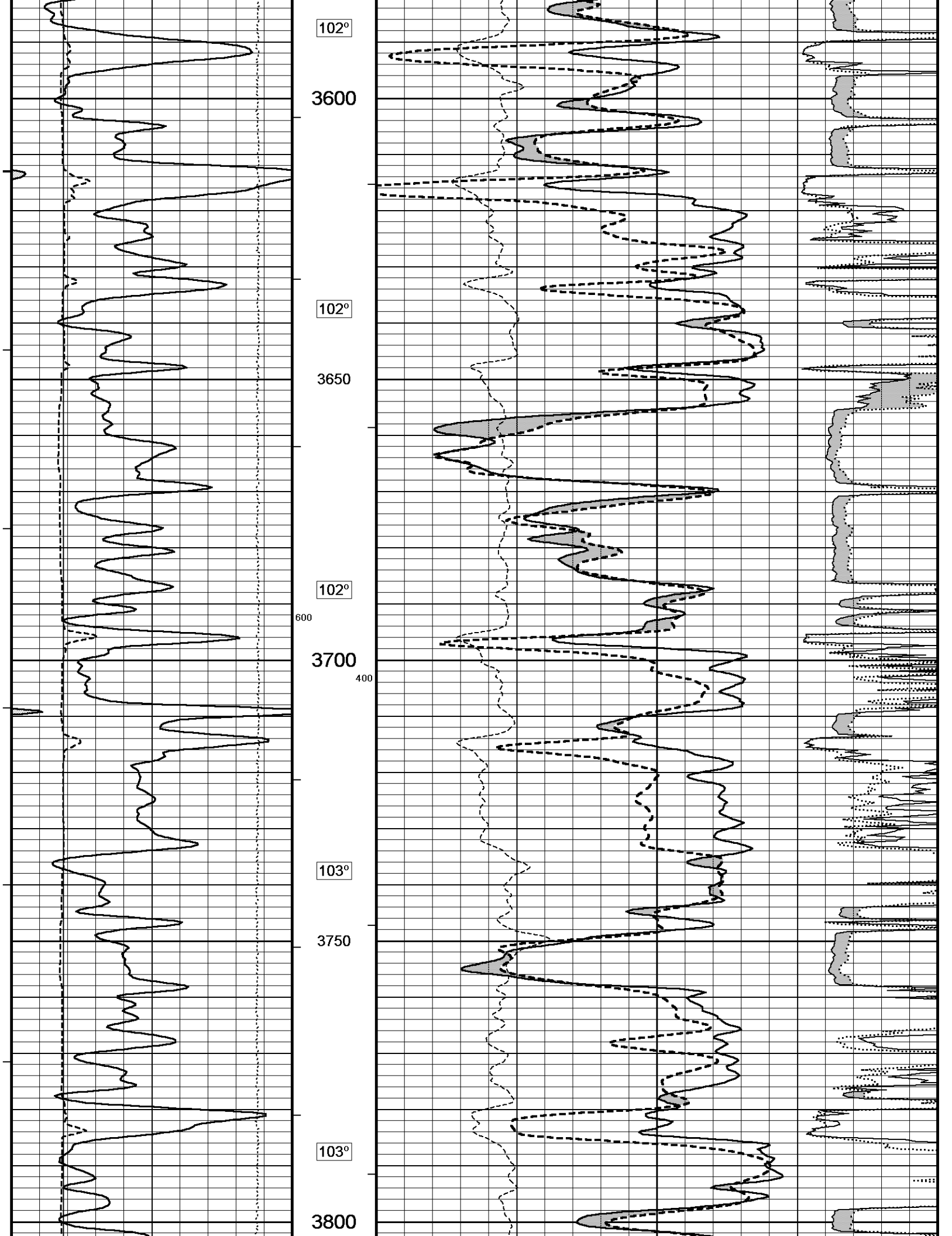
Limestone Density Por.

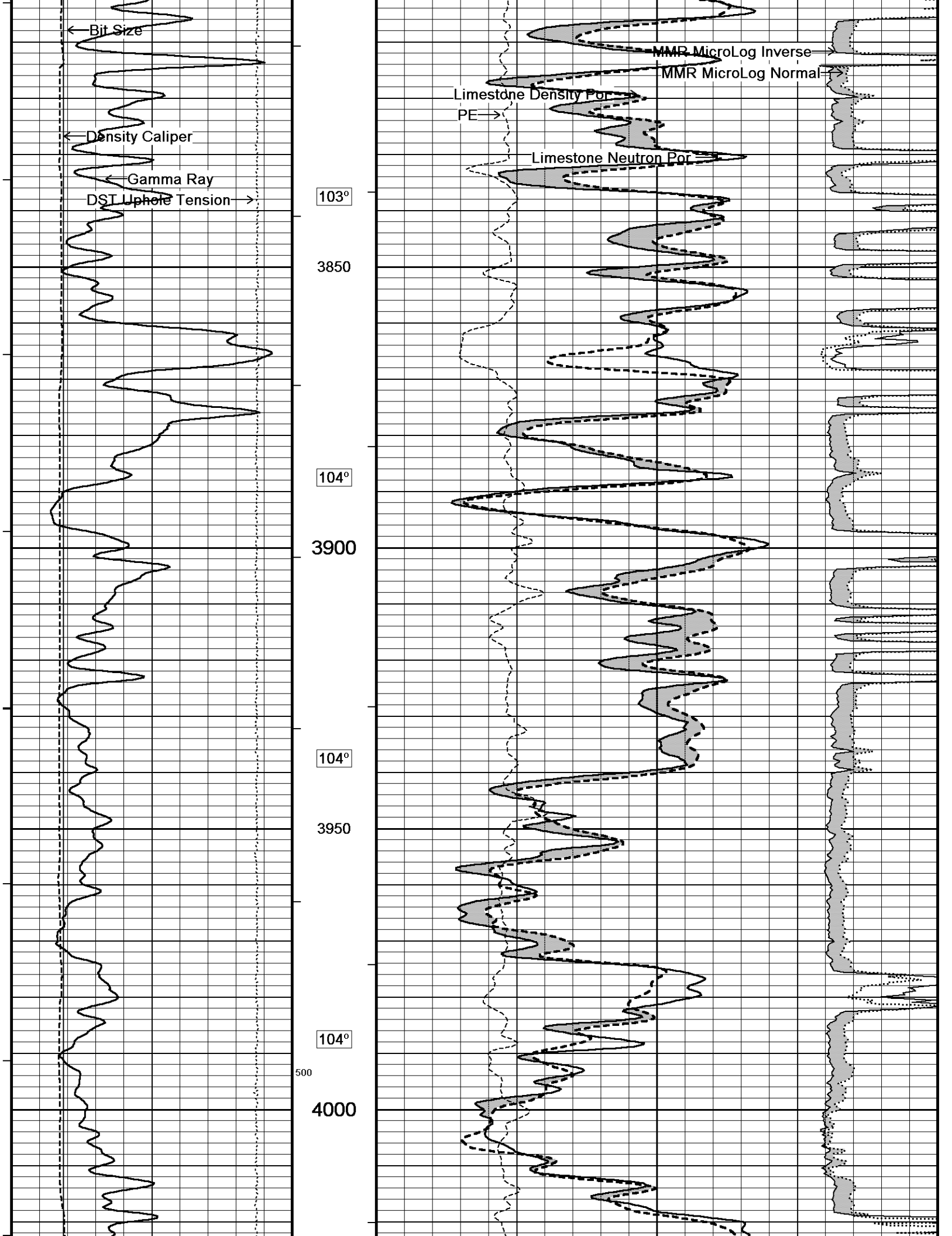
PE

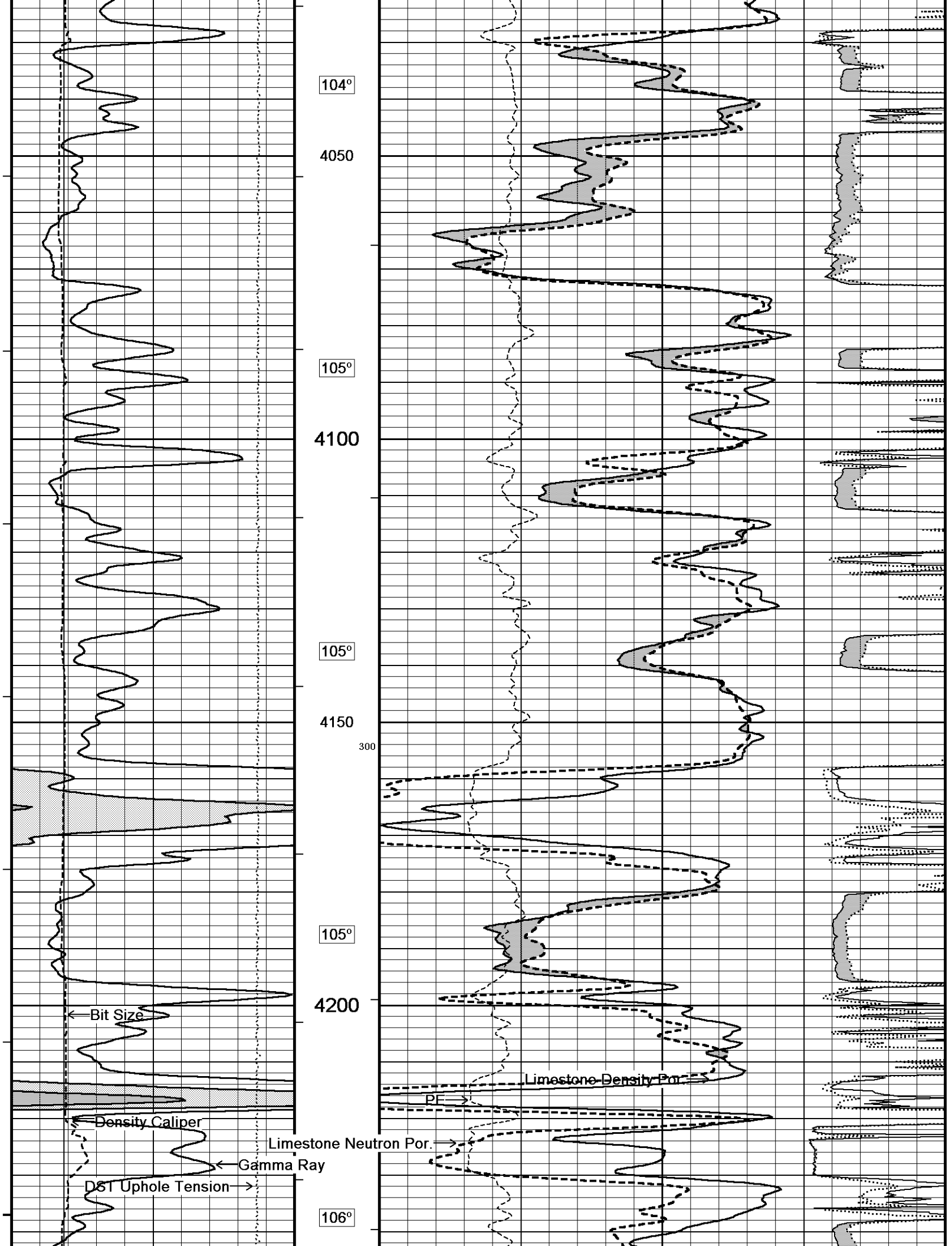
Limestone Neutron Por.

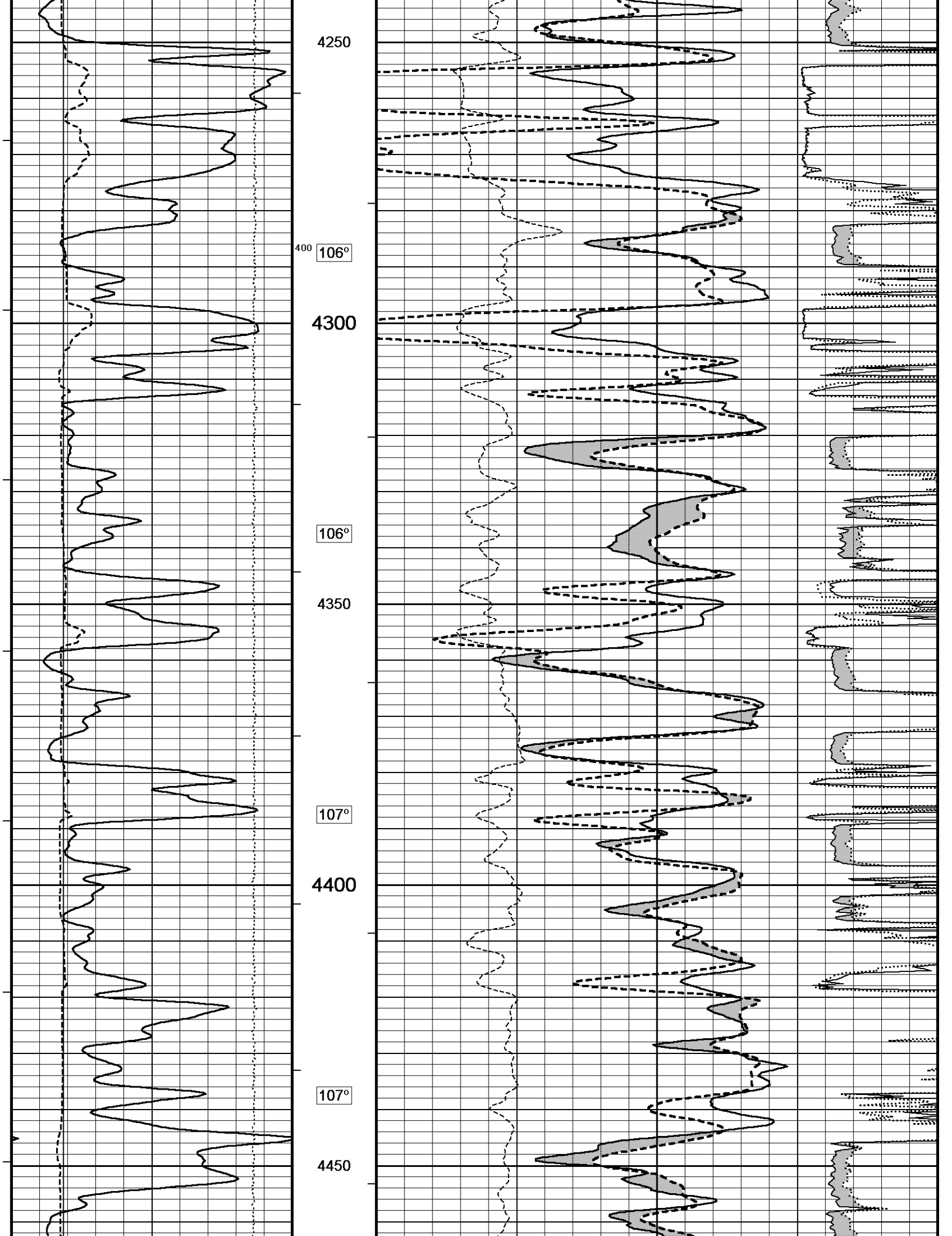


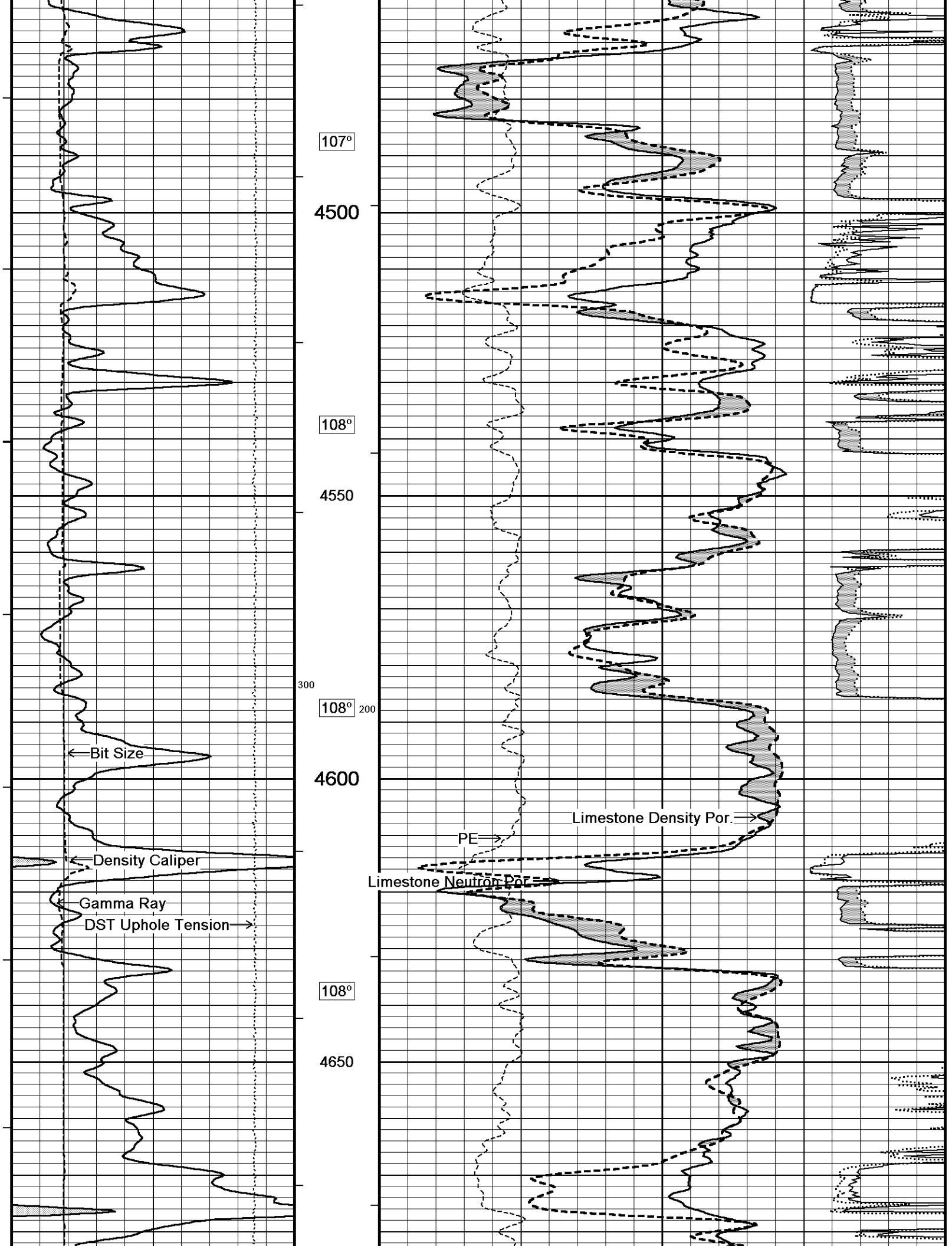


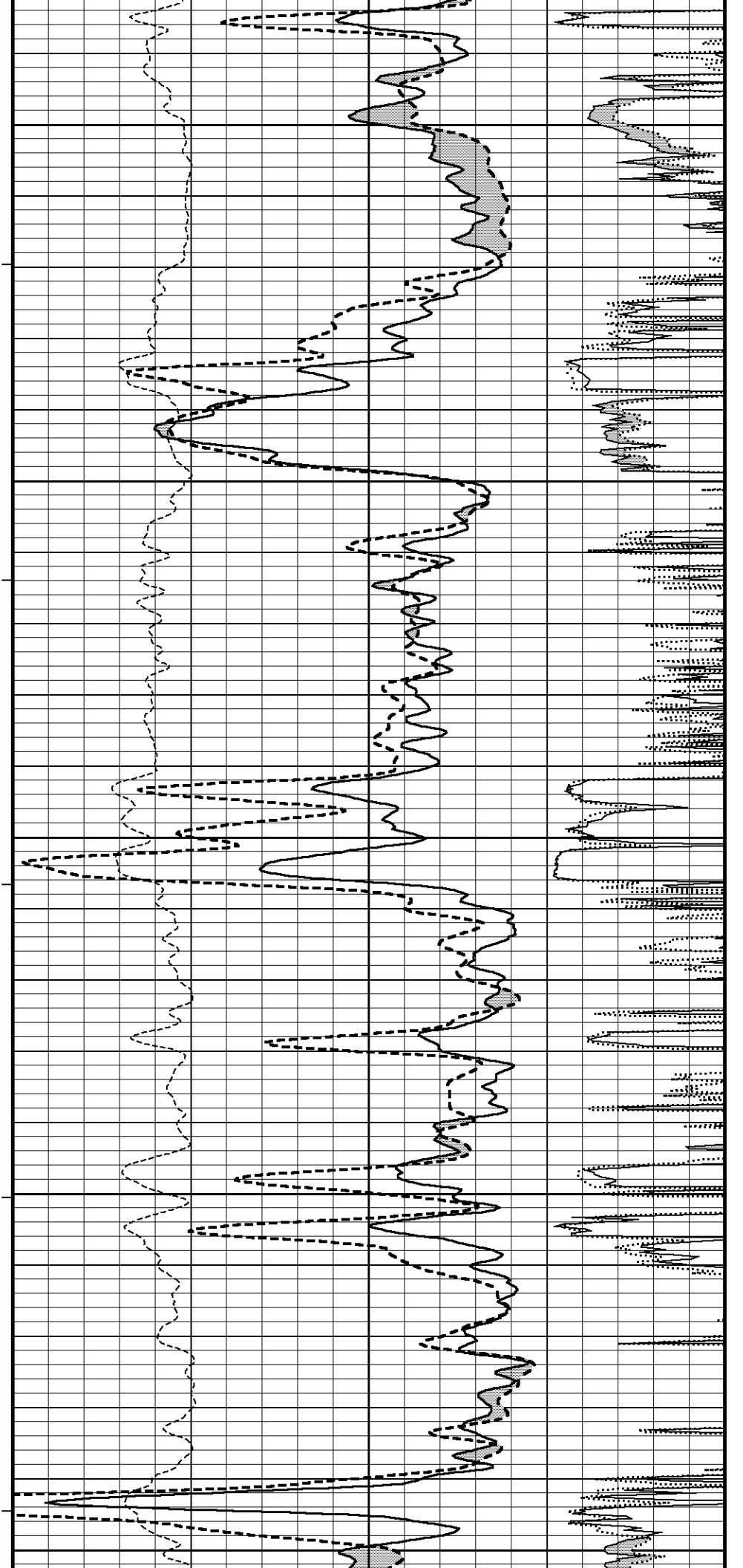
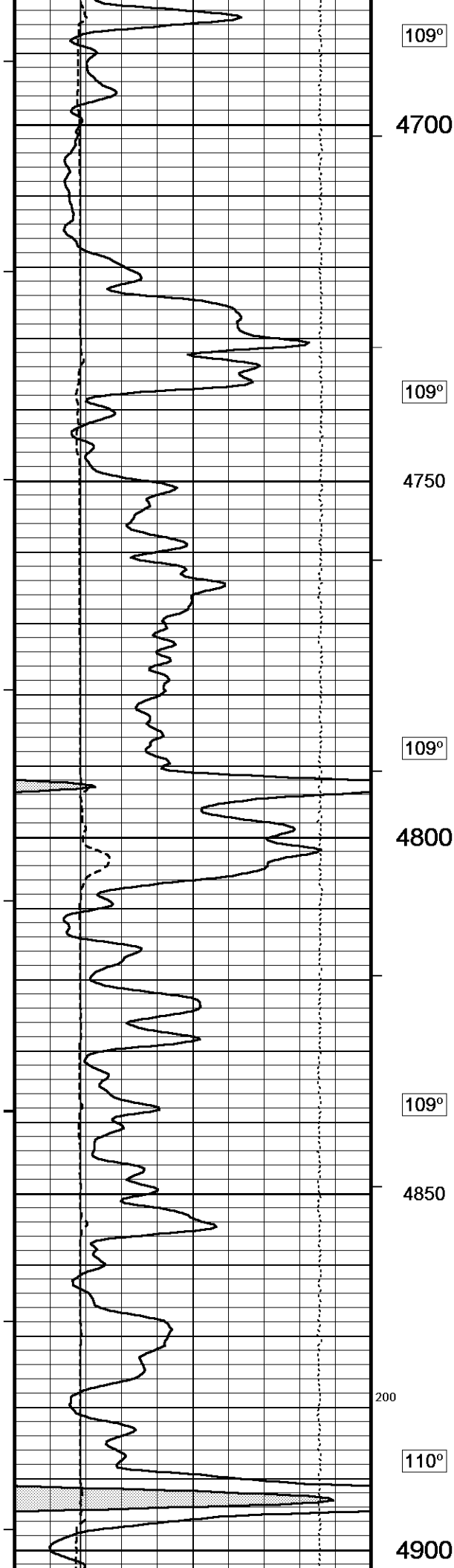


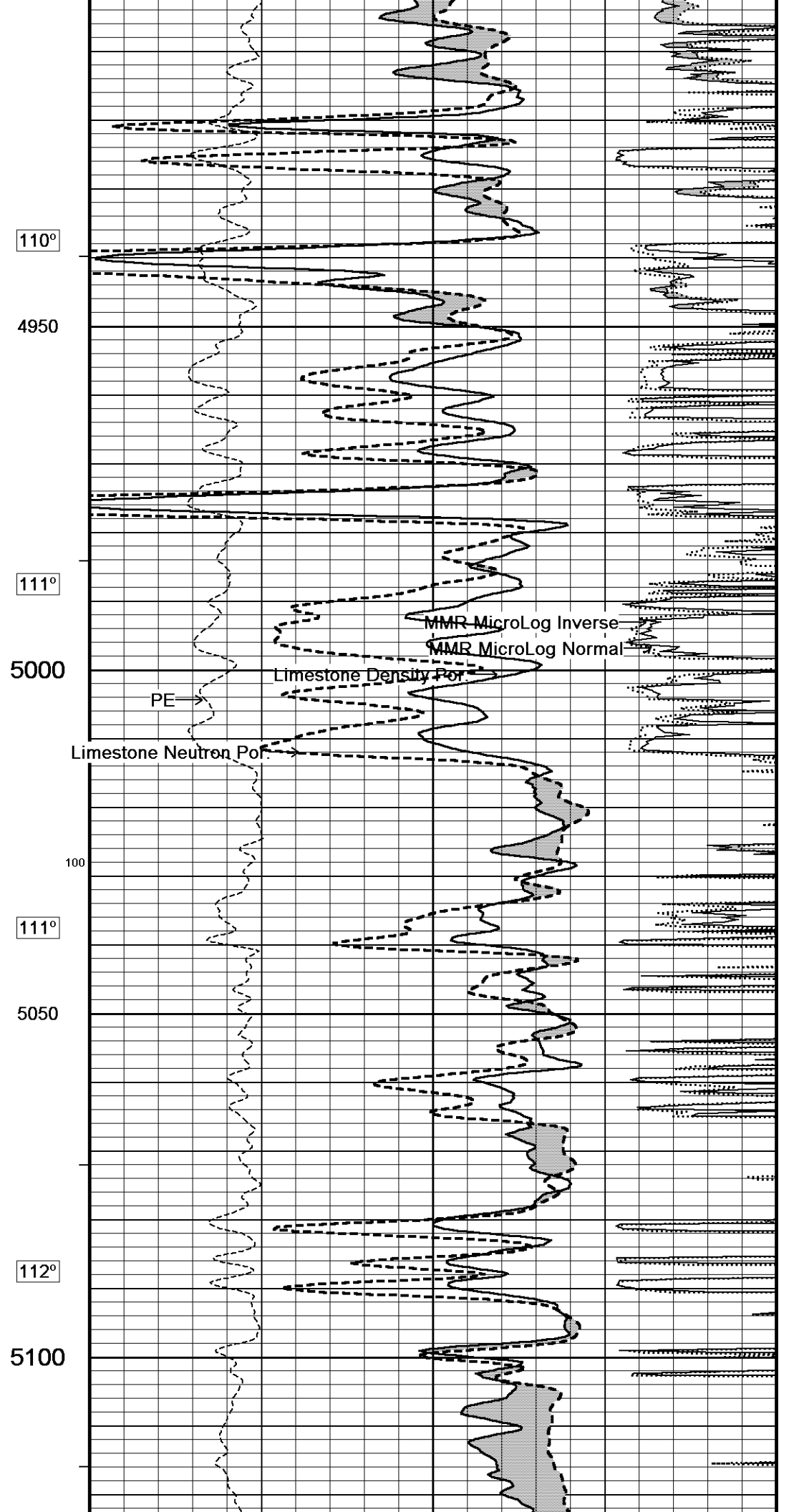
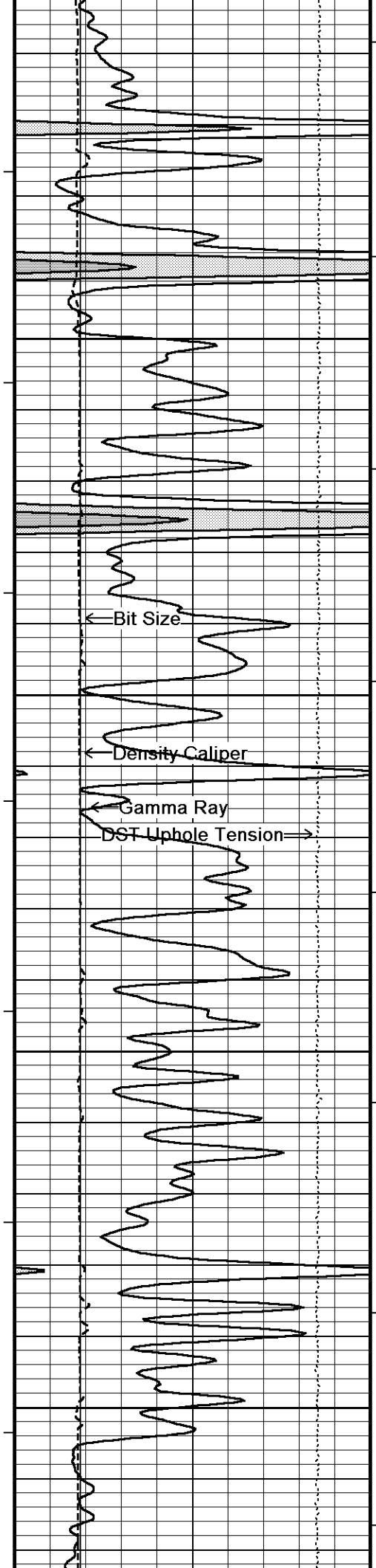


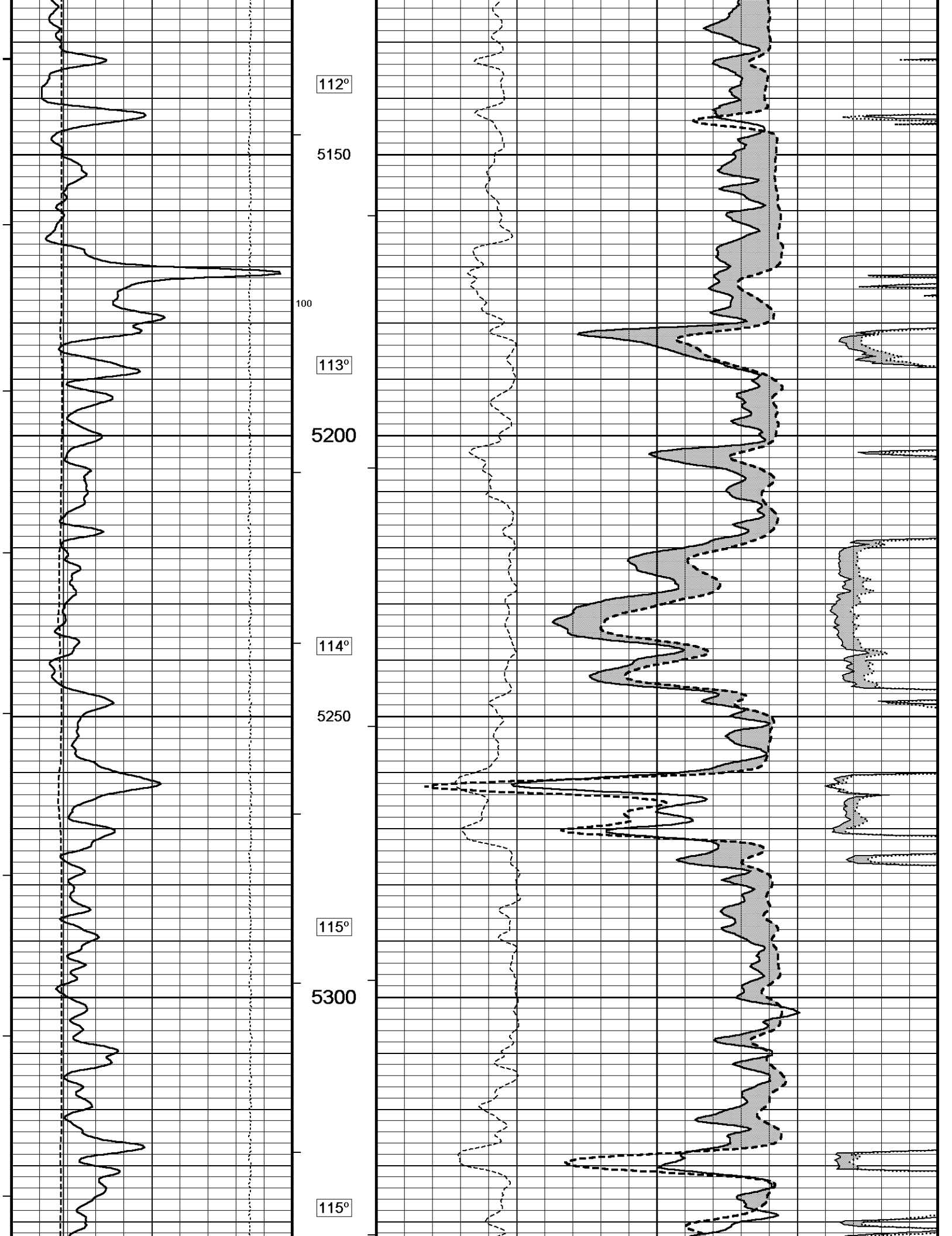


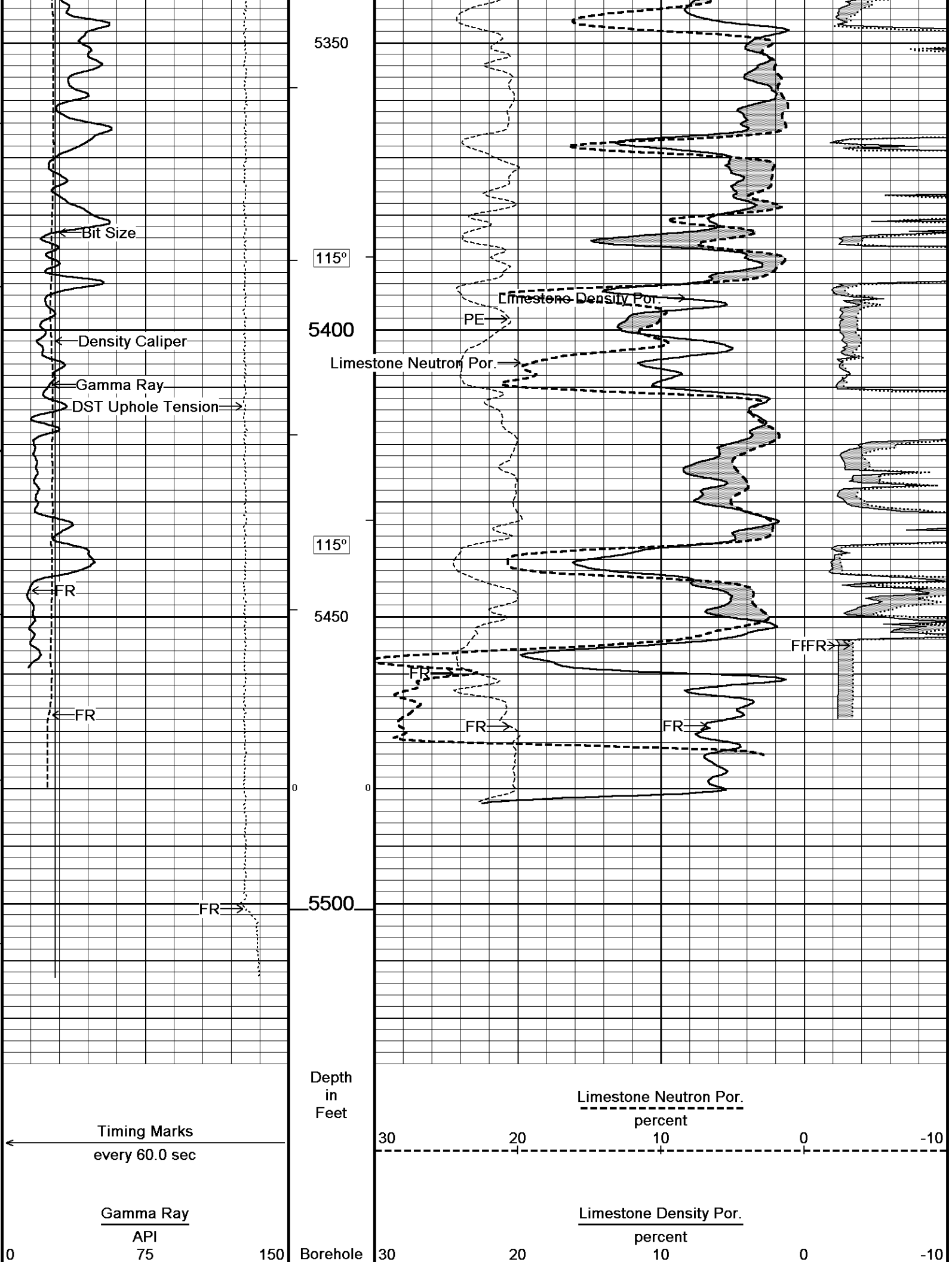


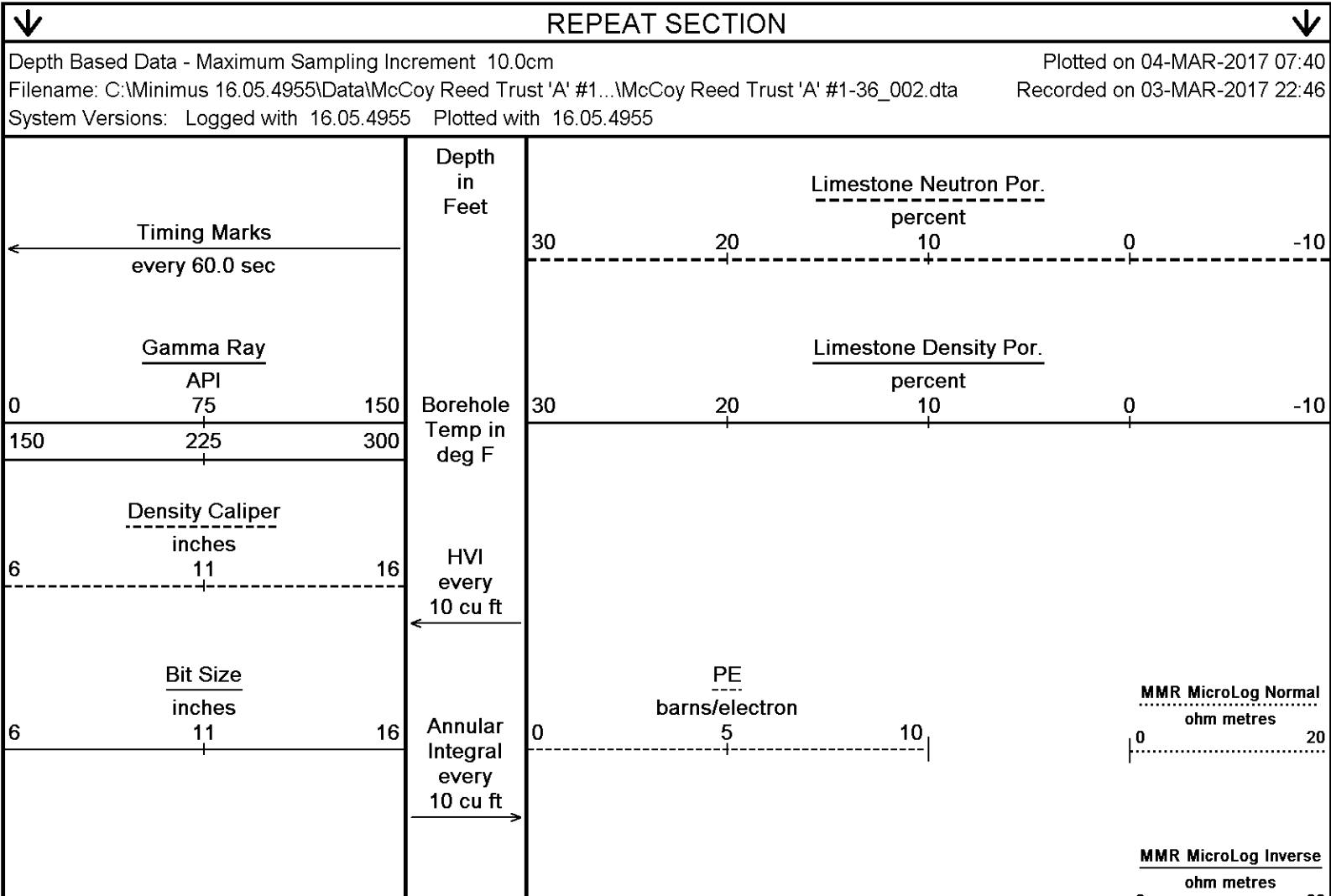
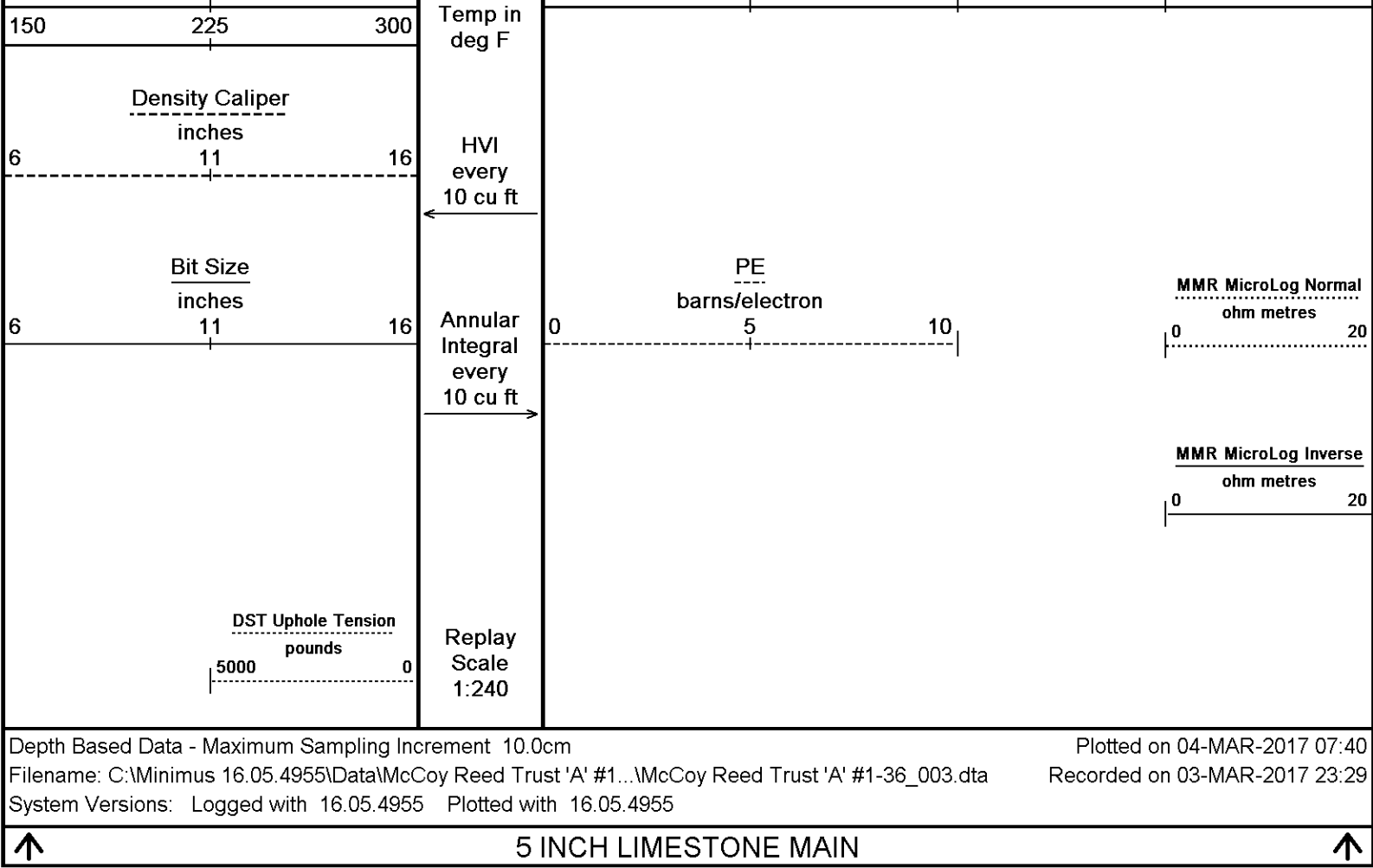


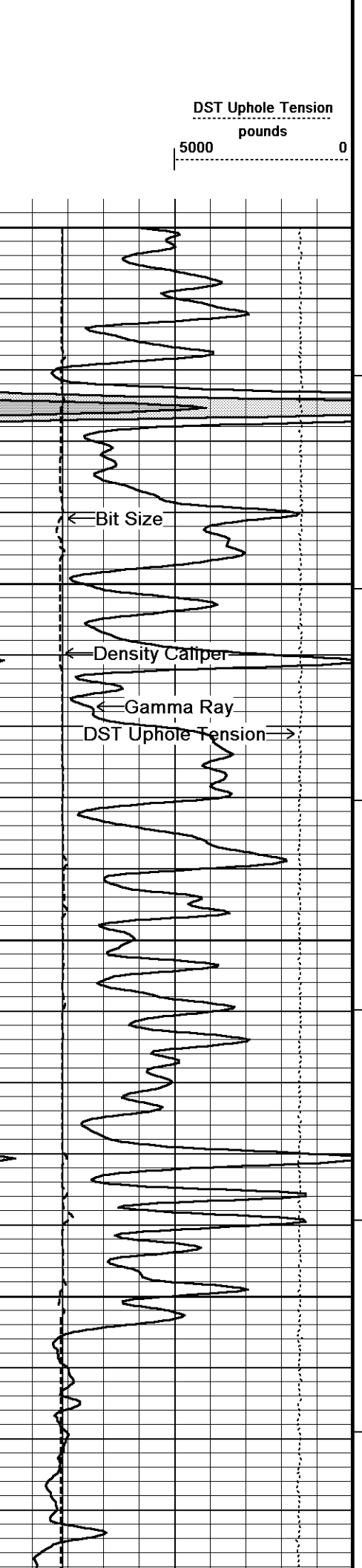




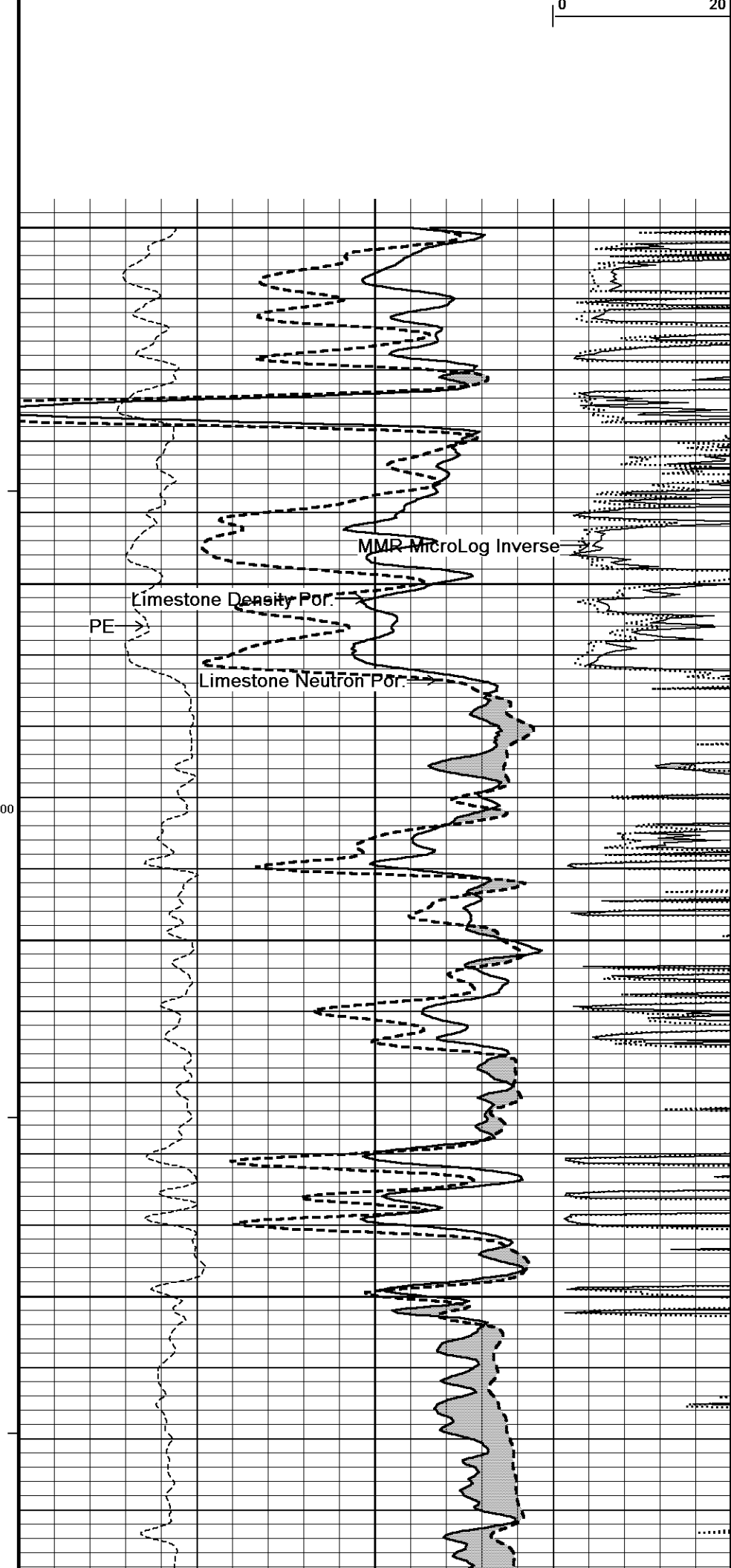
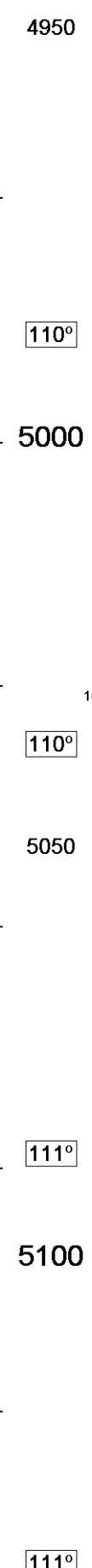


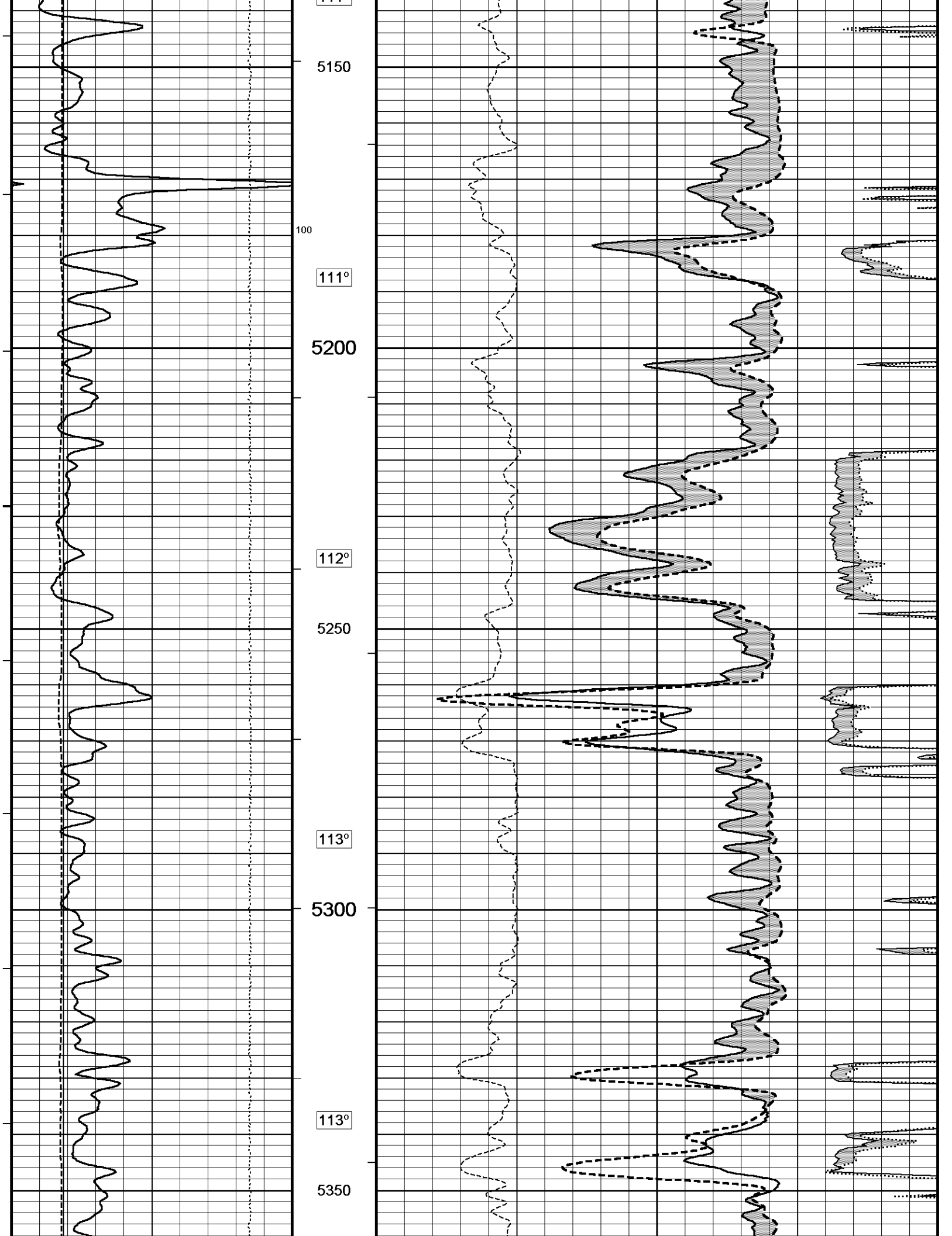


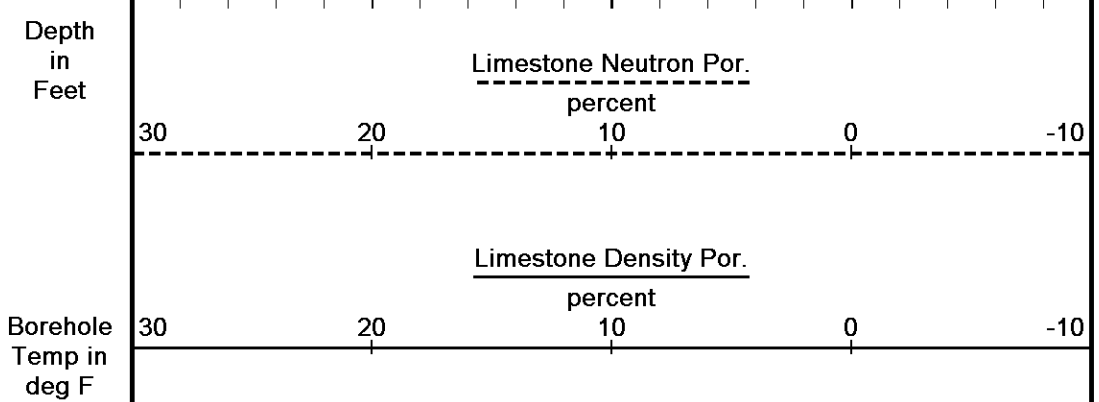
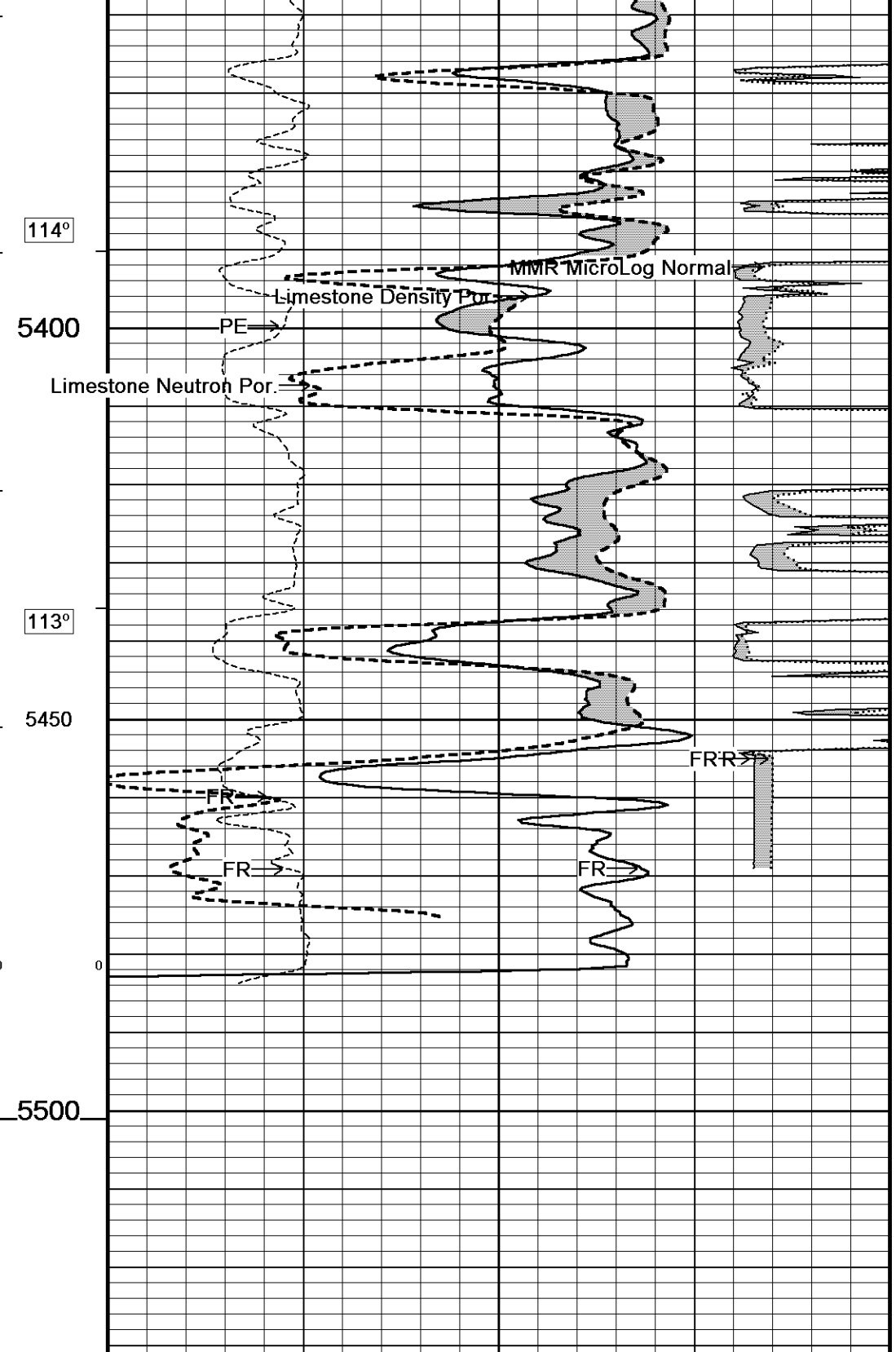
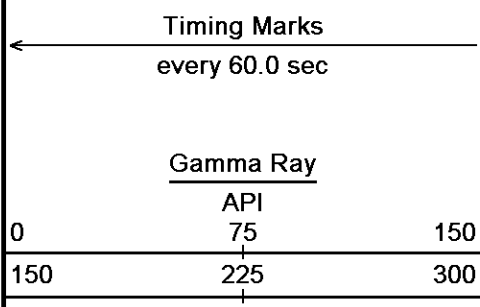
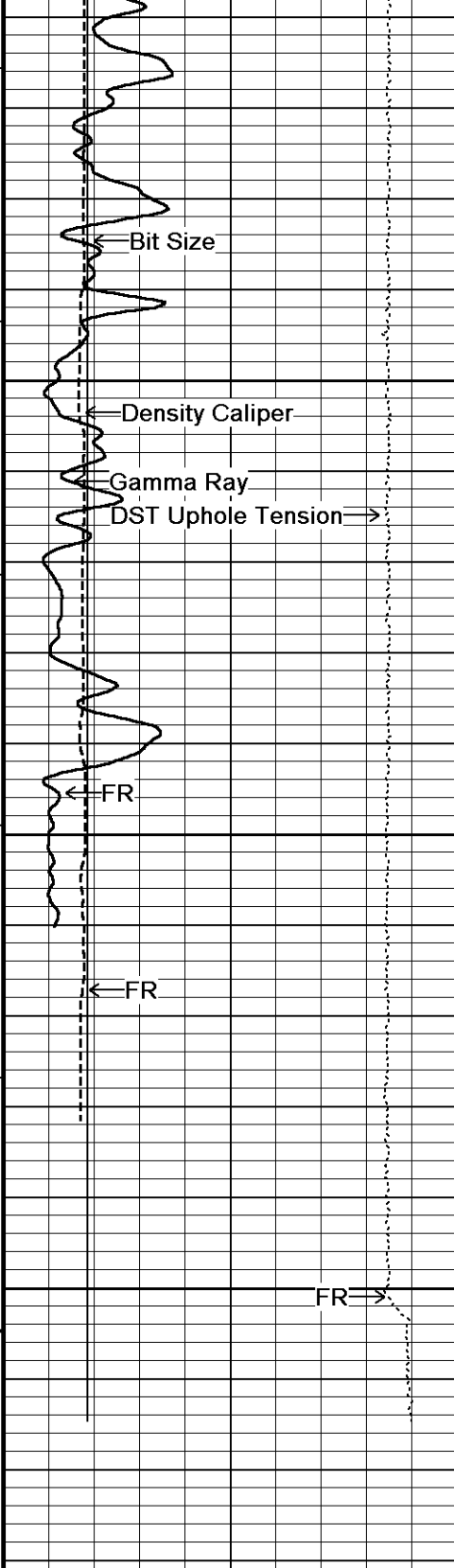


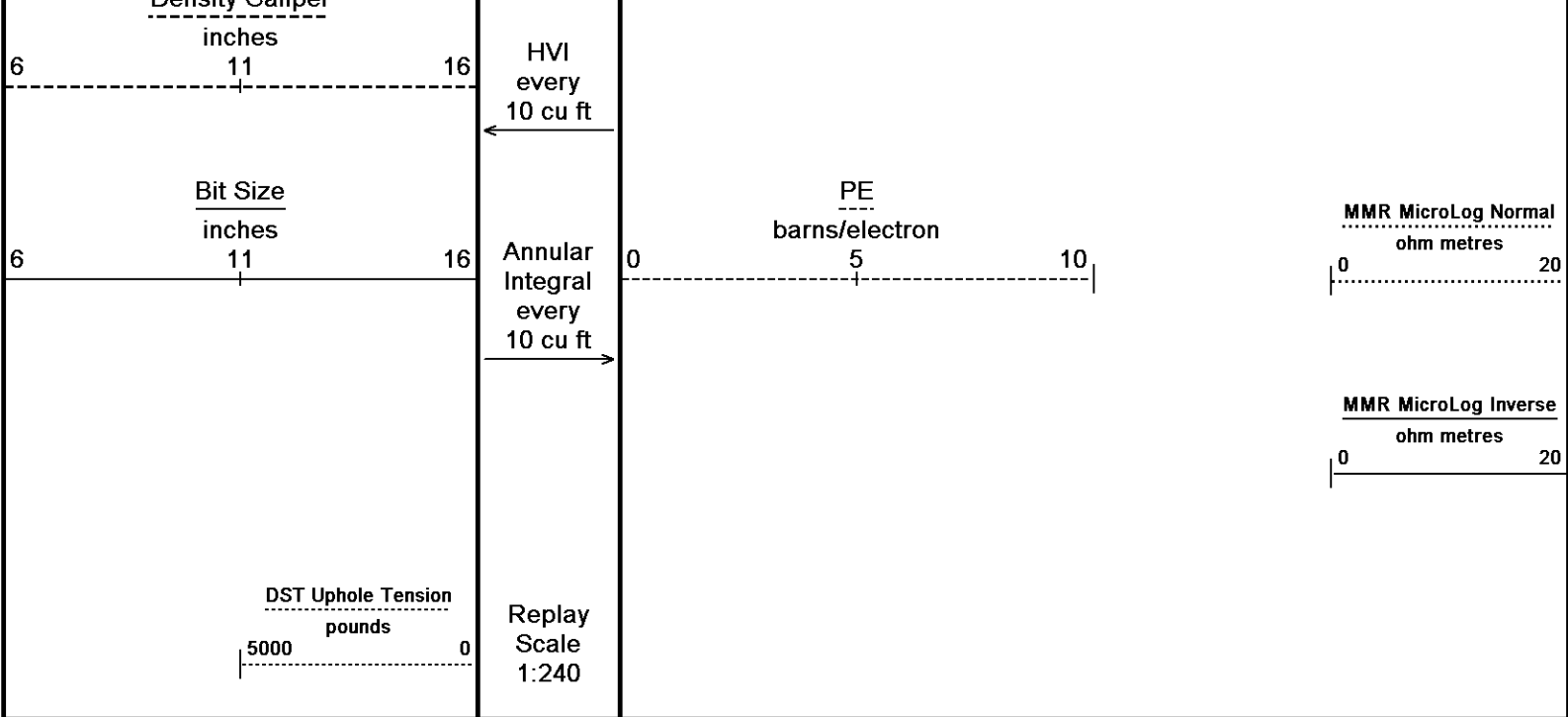


Replay
Scale
1:240









Depth Based Data - Maximum Sampling Increment 10.0cmPlotted on 04-MAR-2017 07:40

Filename: C:\Minimus 16.05.4955\Data\McCoy Reed Trust 'A' #1...\McCoy Reed Trust 'A' #1-36_002.dtaRecorded on 03-MAR-2017 22:46

System Versions: Logged with 16.05.4955Plotted with 16.05.4955

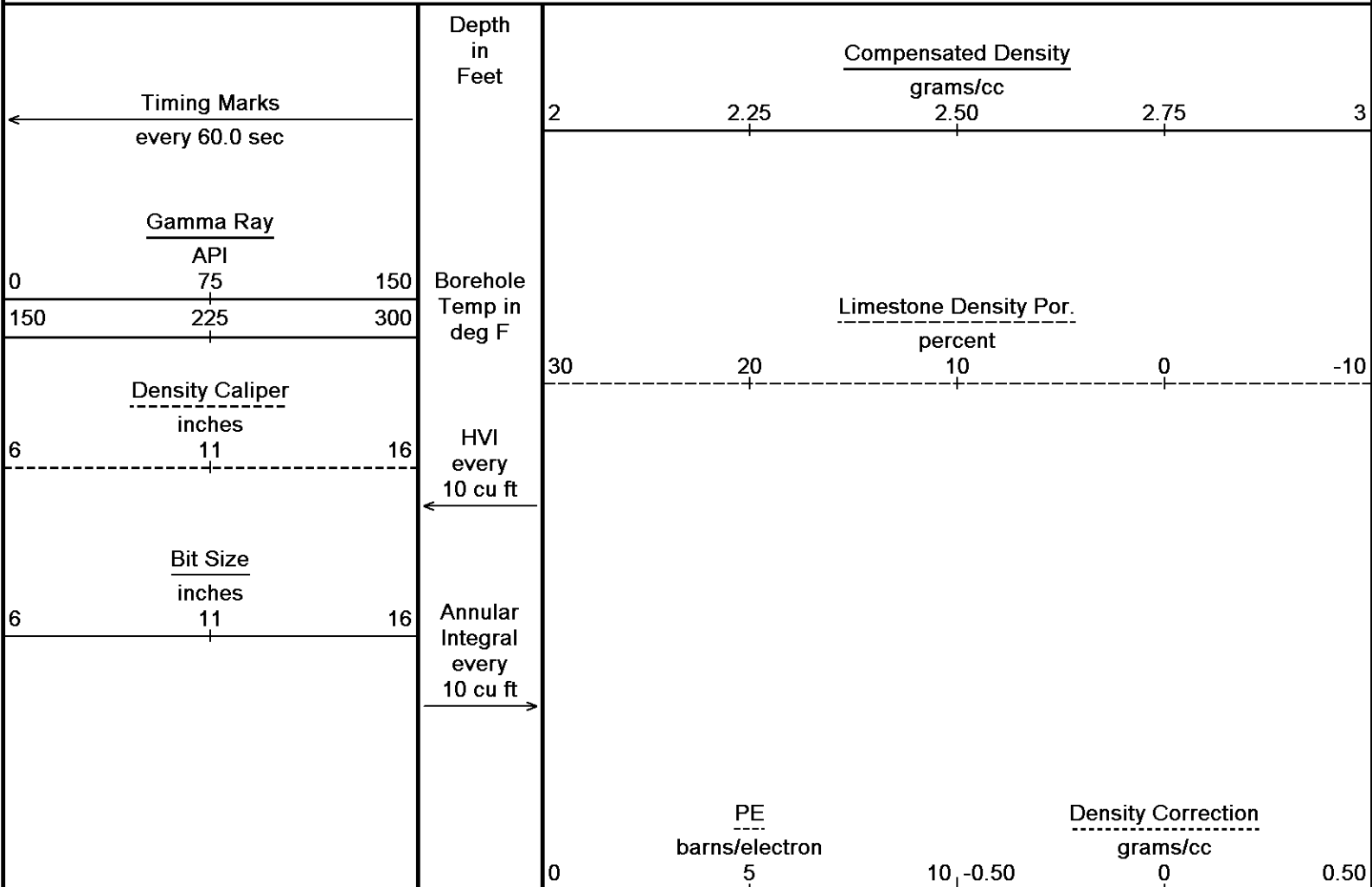
↑REPEAT SECTION↑

↓5 INCH BULK DENSITY MAIN↓

Depth Based Data - Maximum Sampling Increment 10.0cmPlotted on 04-MAR-2017 07:40

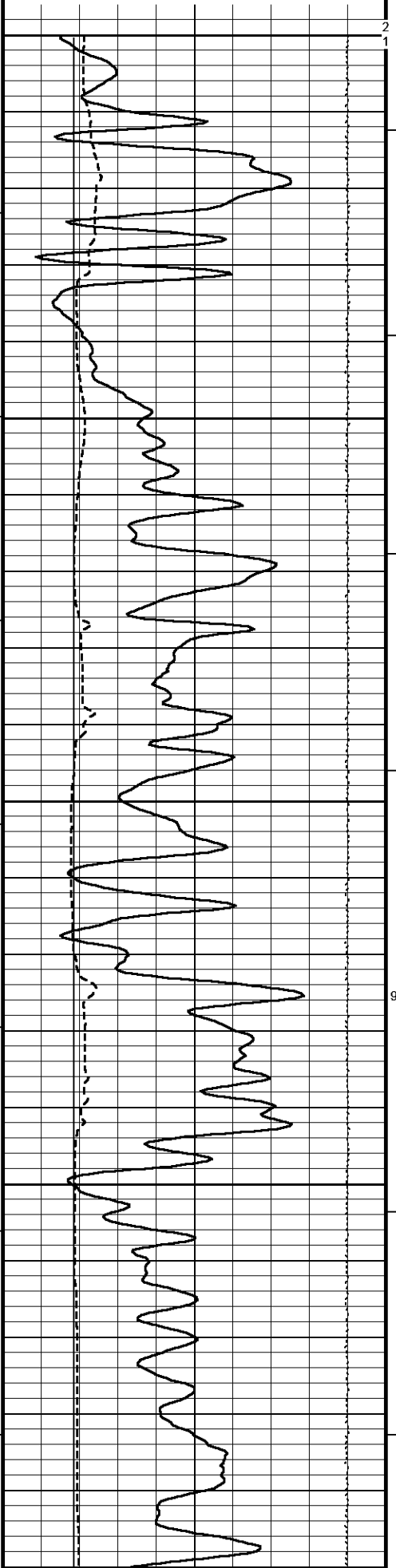
Filename: C:\Minimus 16.05.4955\Data\McCoy Reed Trust 'A' #1...\McCoy Reed Trust 'A' #1-36_003.dtaRecorded on 03-MAR-2017 23:29

System Versions: Logged with 16.05.4955Plotted with 16.05.4955

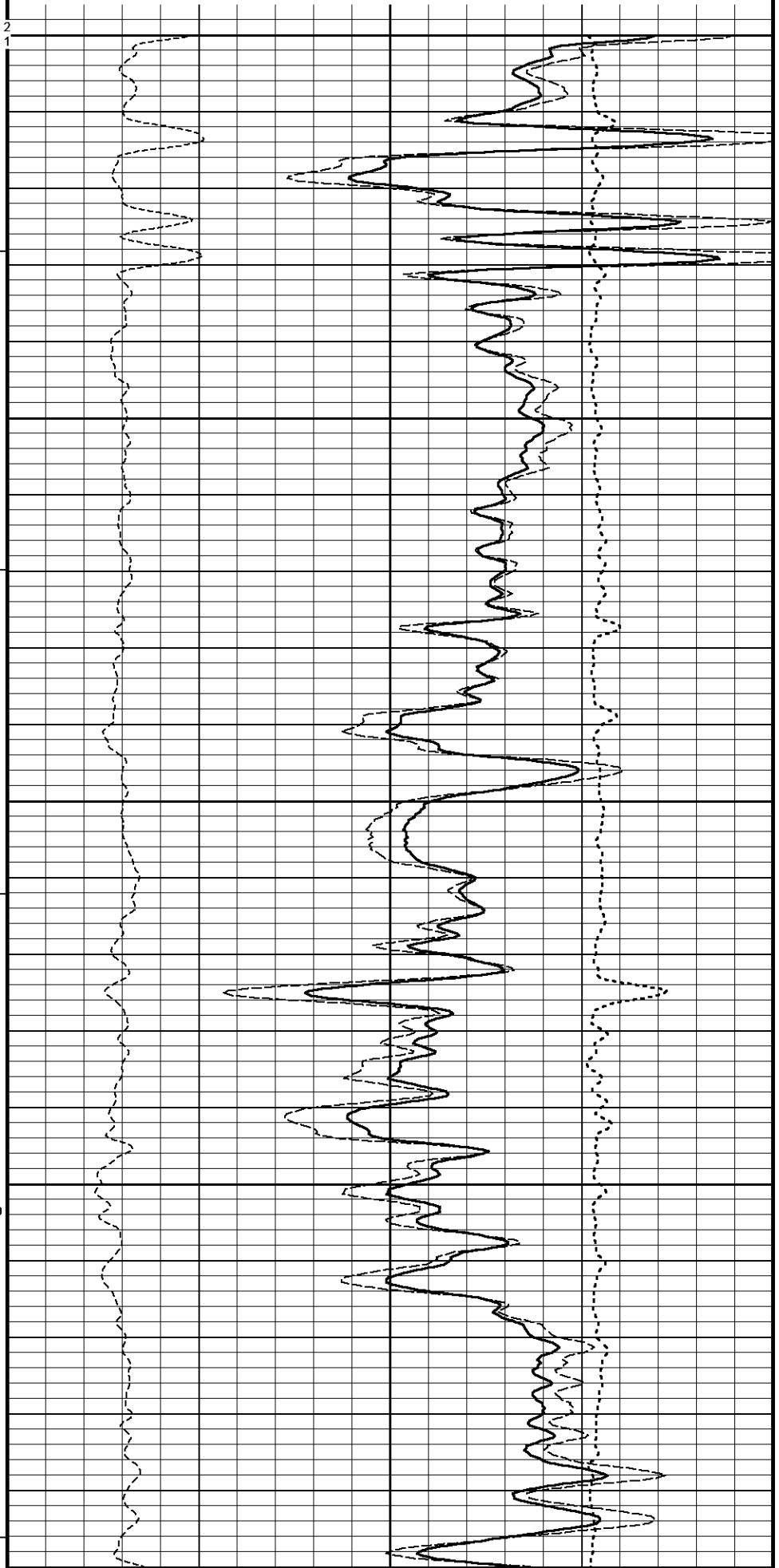


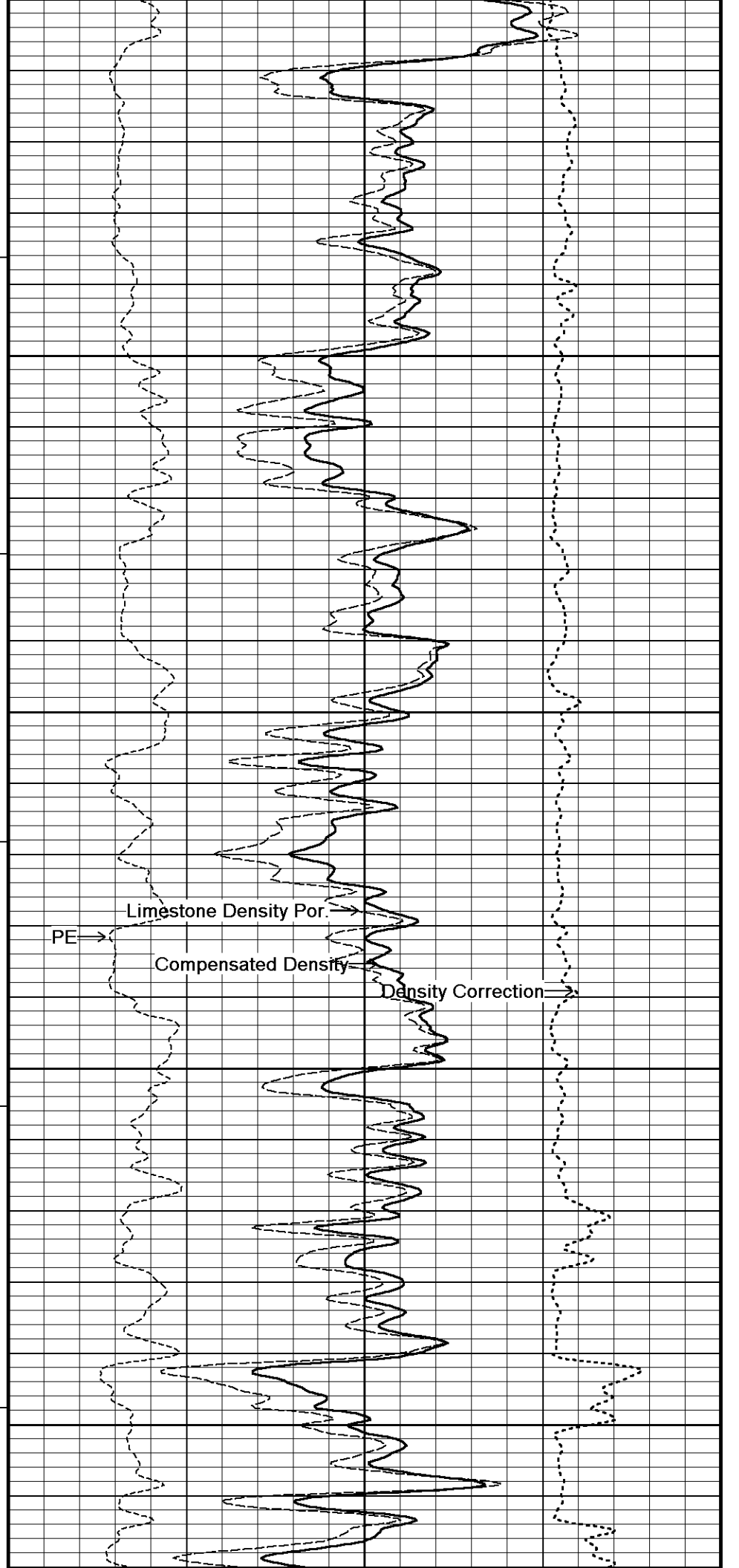
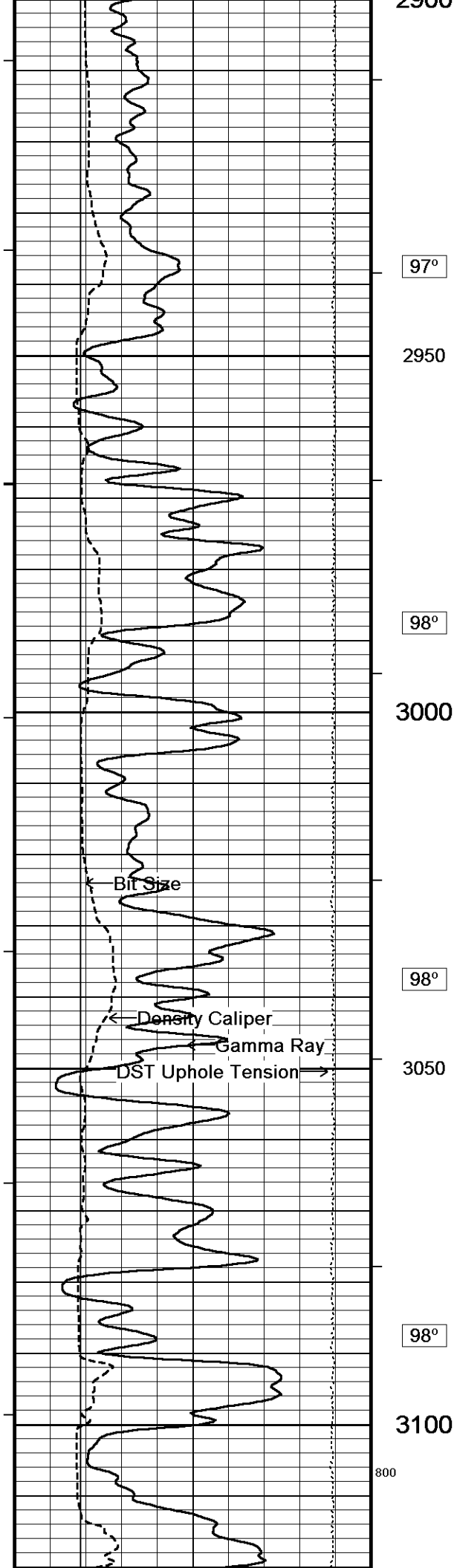
DST Uphole Tension
pounds
5000 0

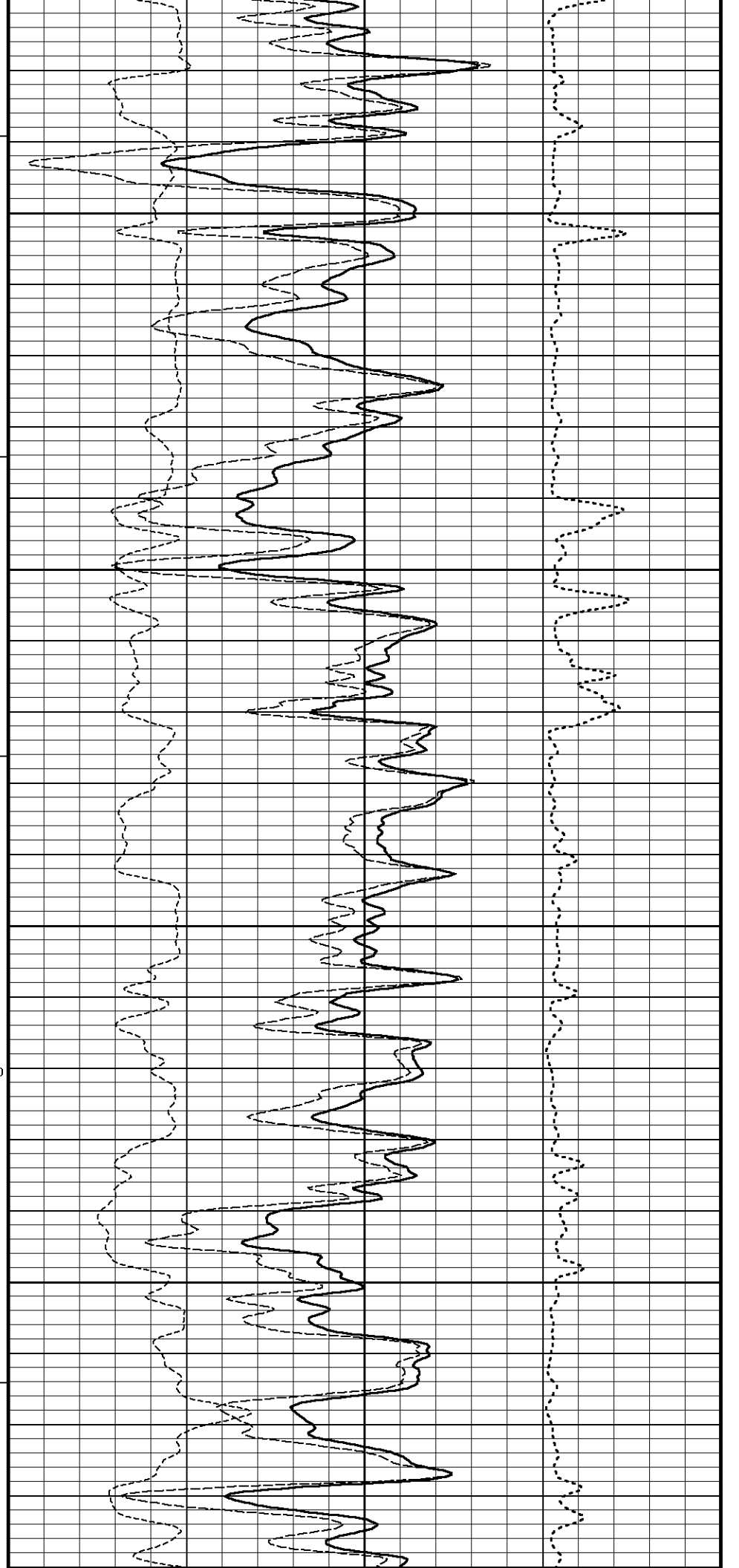
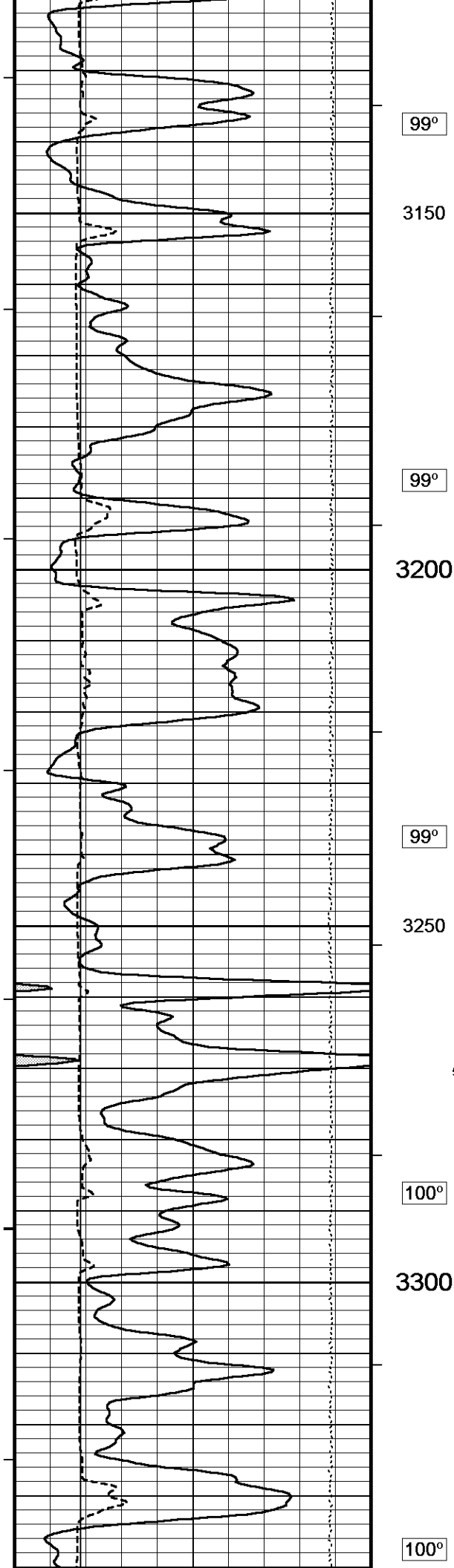
Replay
Scale
1:240

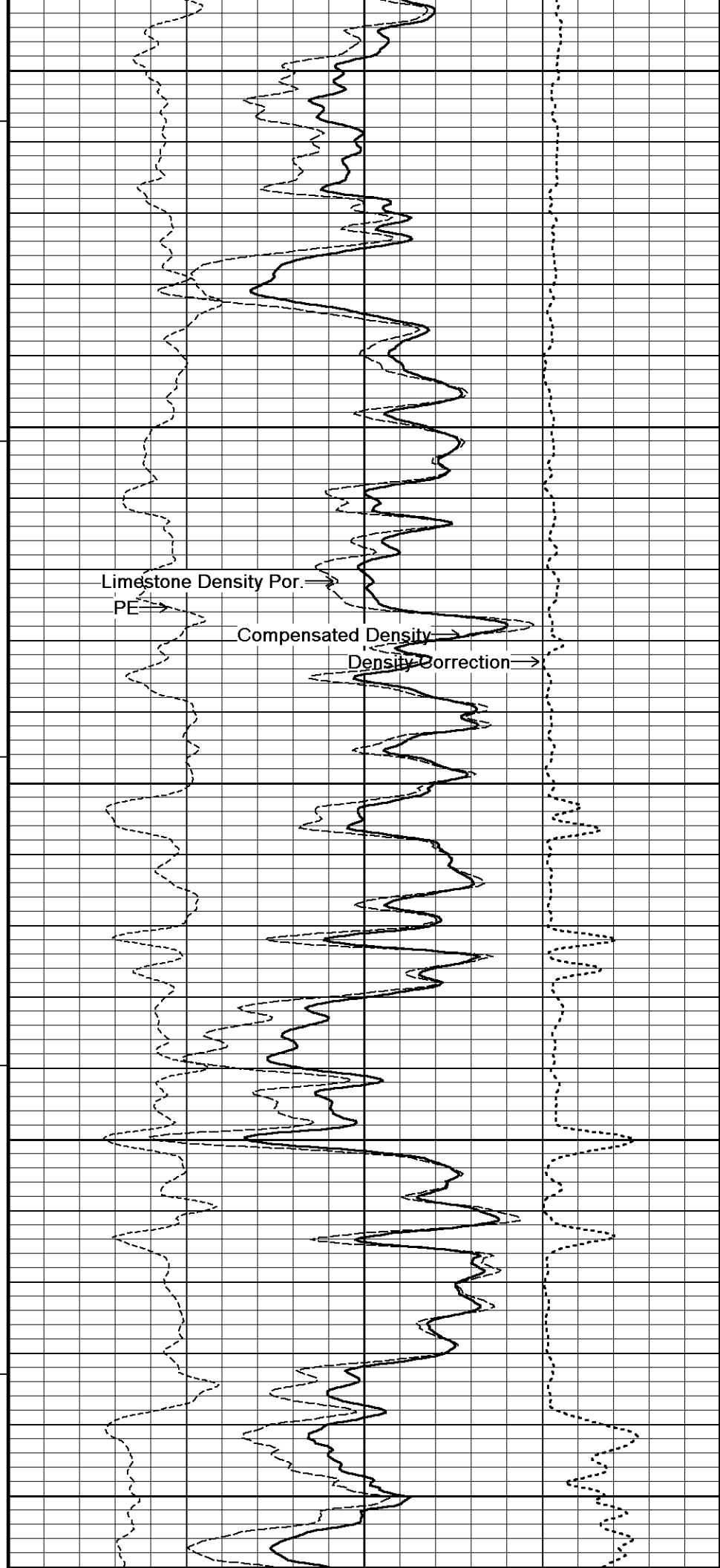
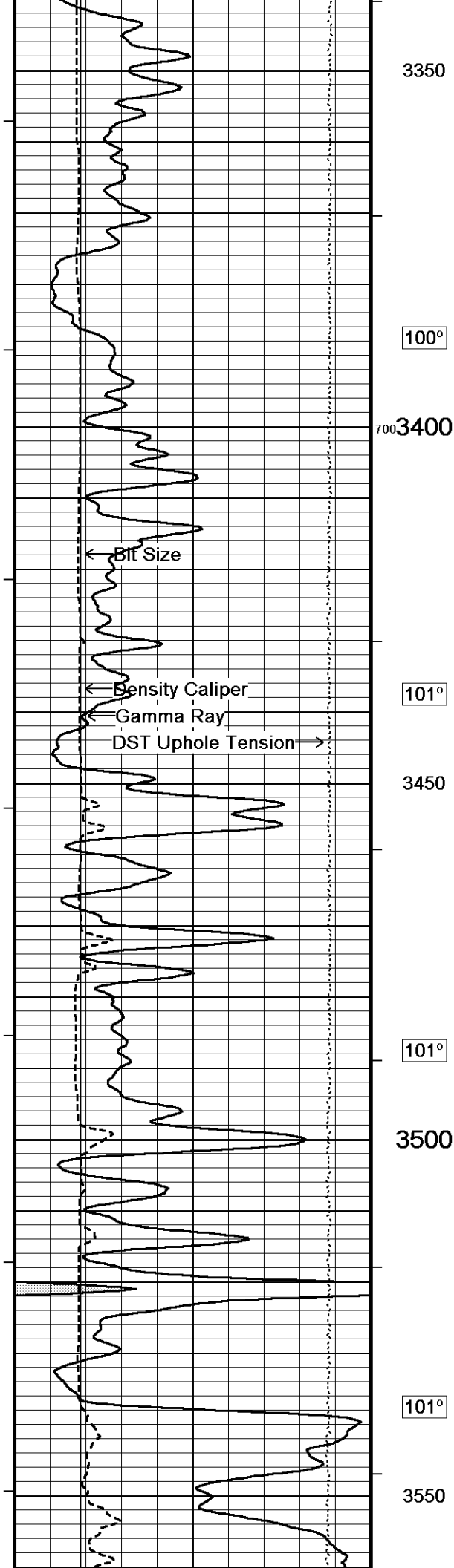


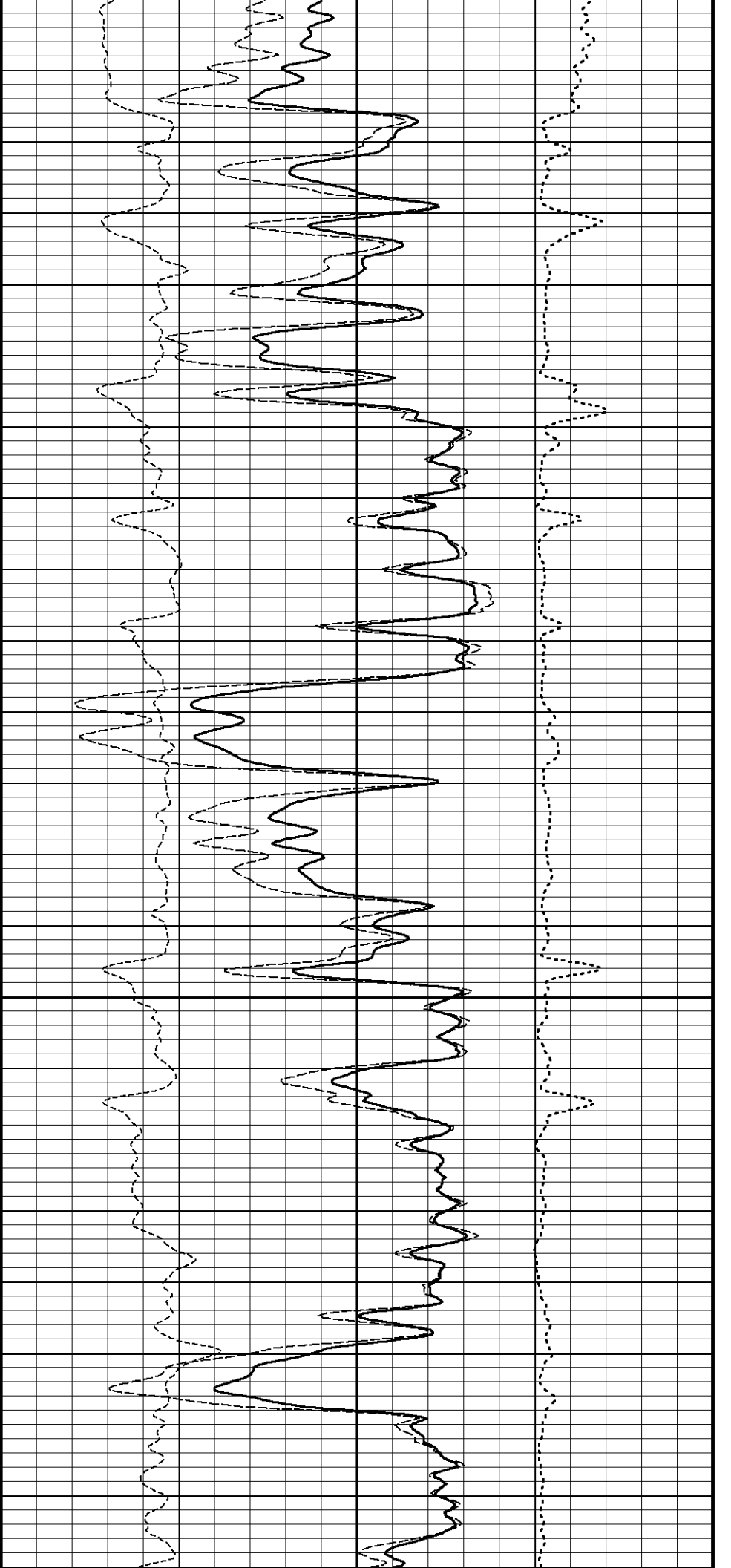
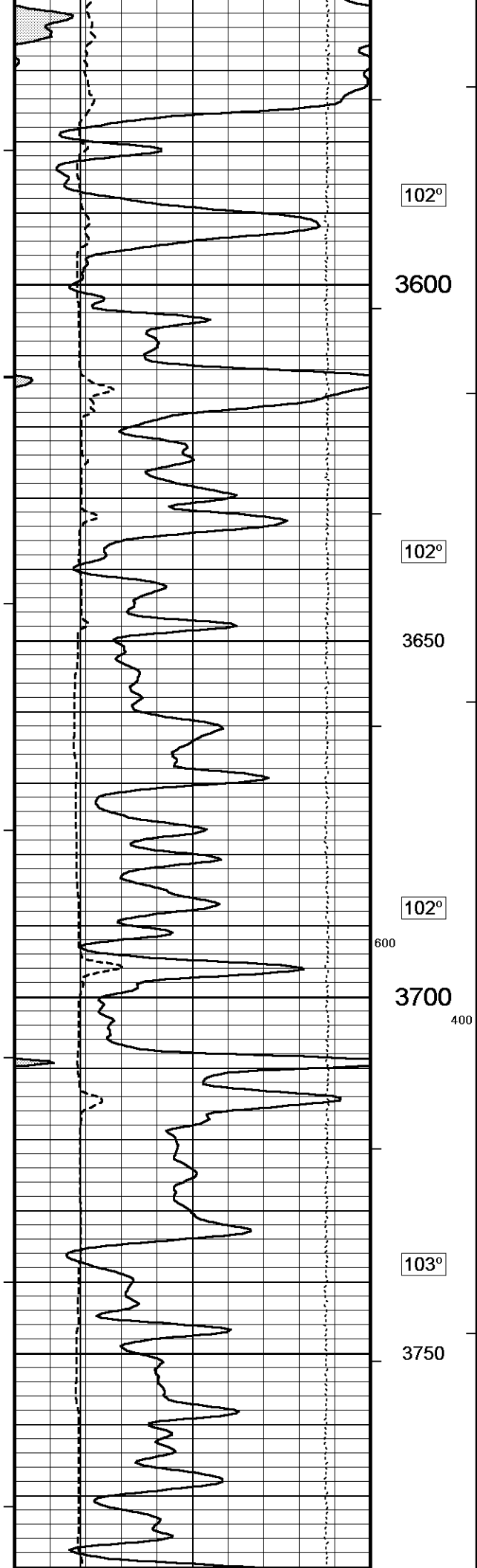
2700
96°
2750
96°
2800
900
97°
2850
600
97°
2900

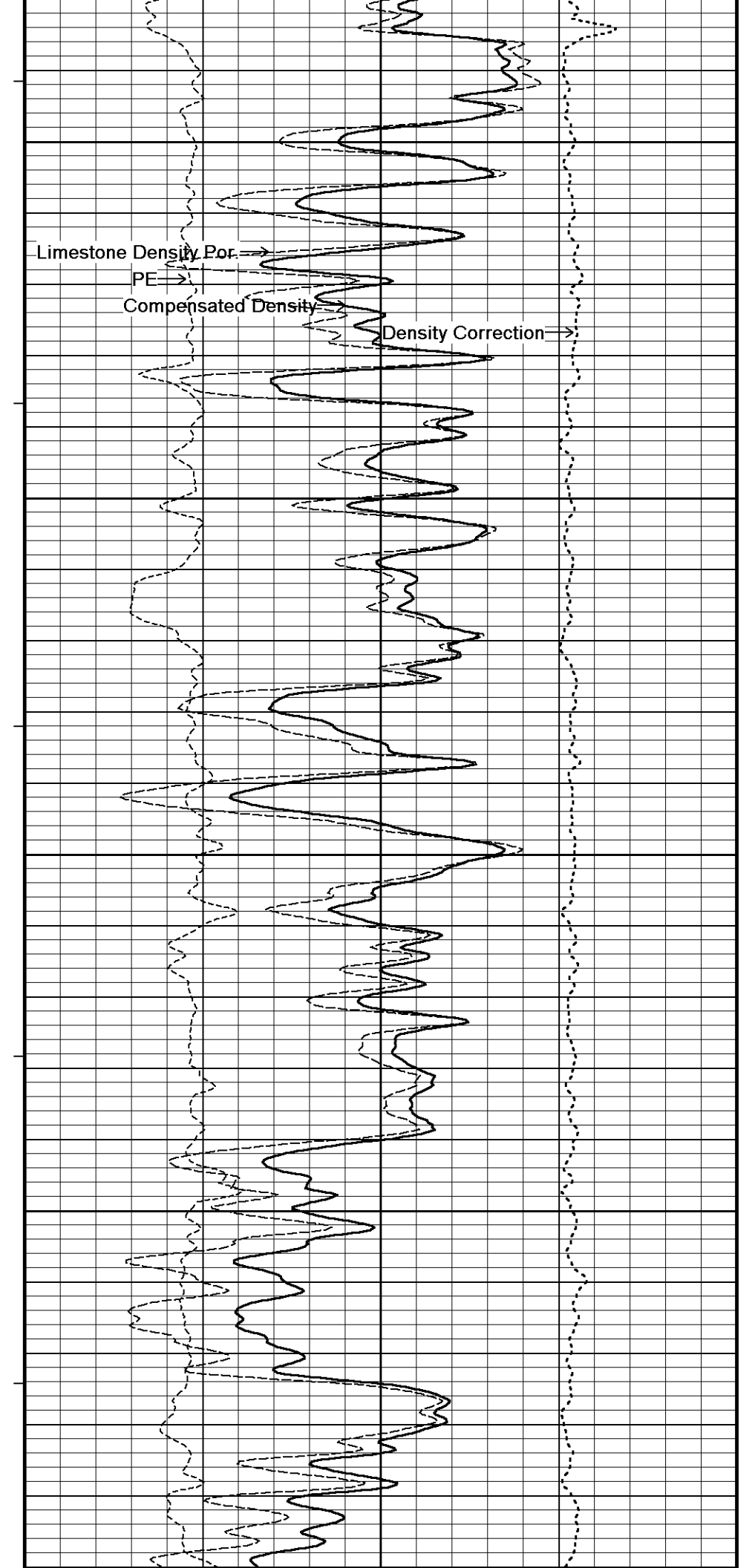
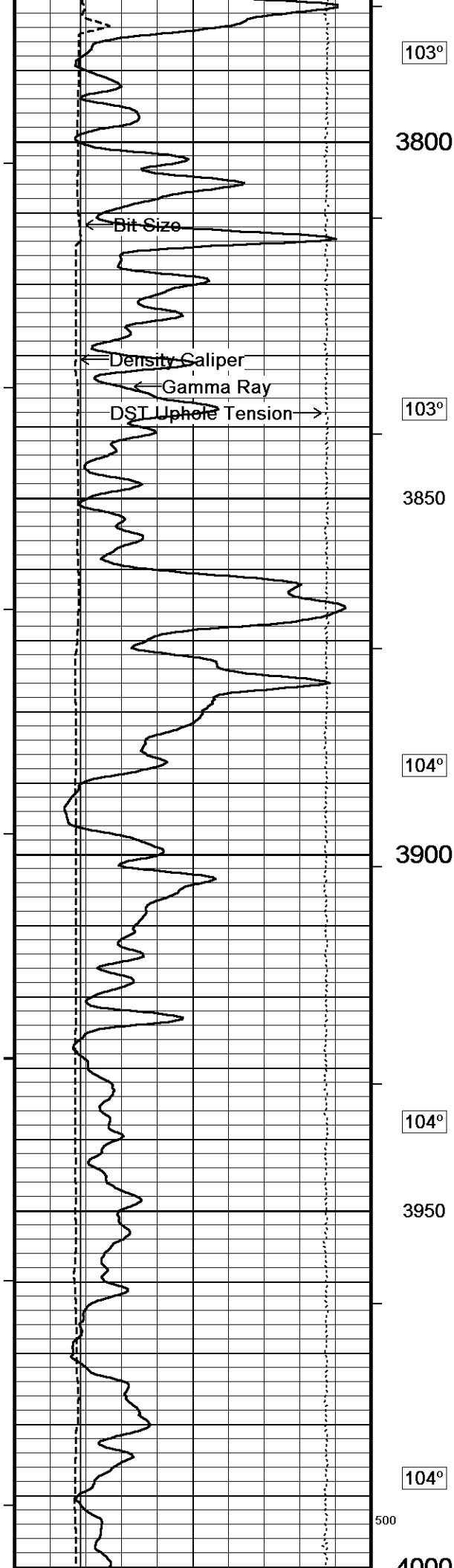


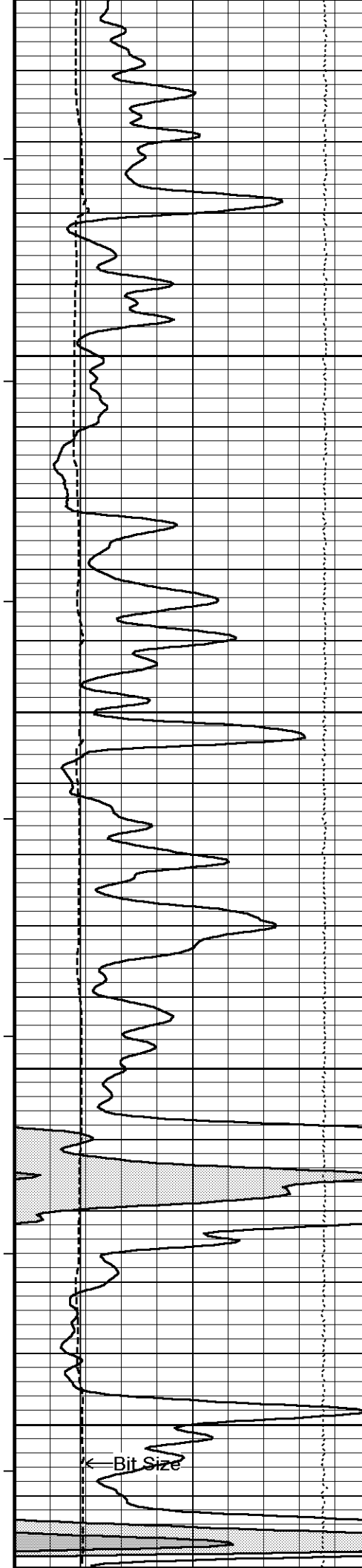




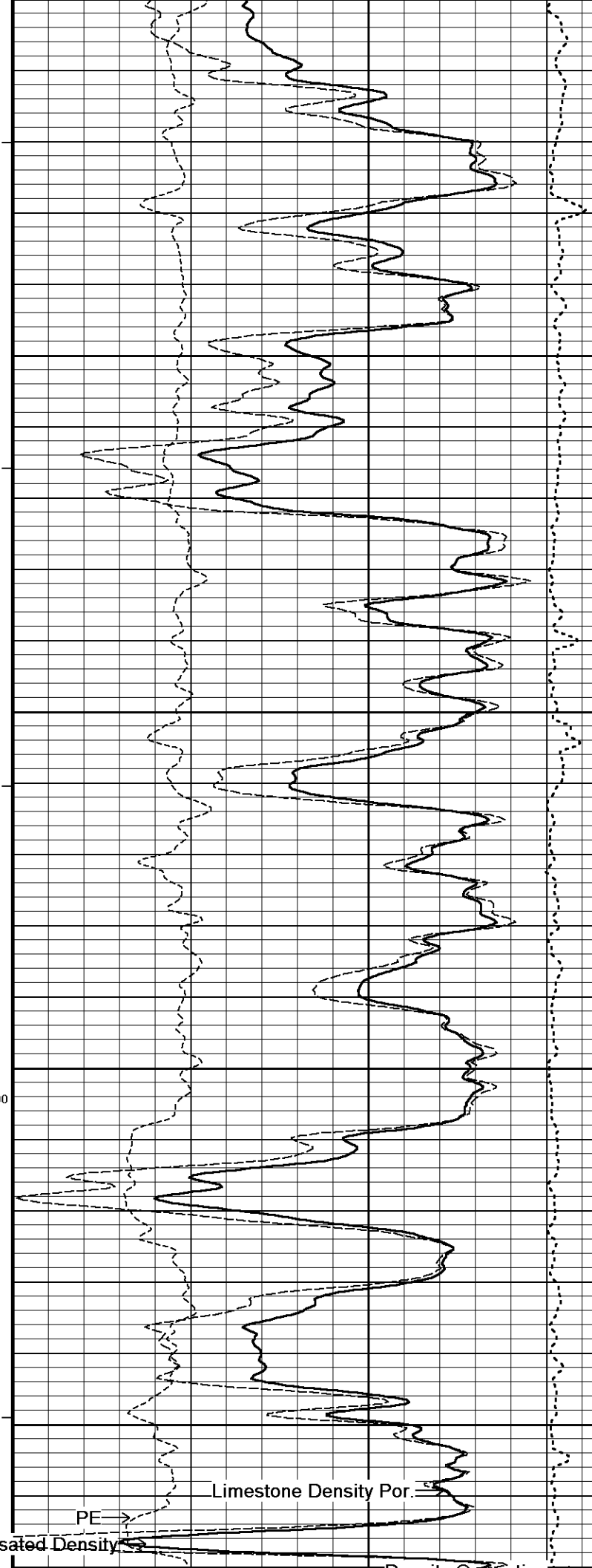








4000
104°
4050
105°
4100
105°
4150
300
105°
4200

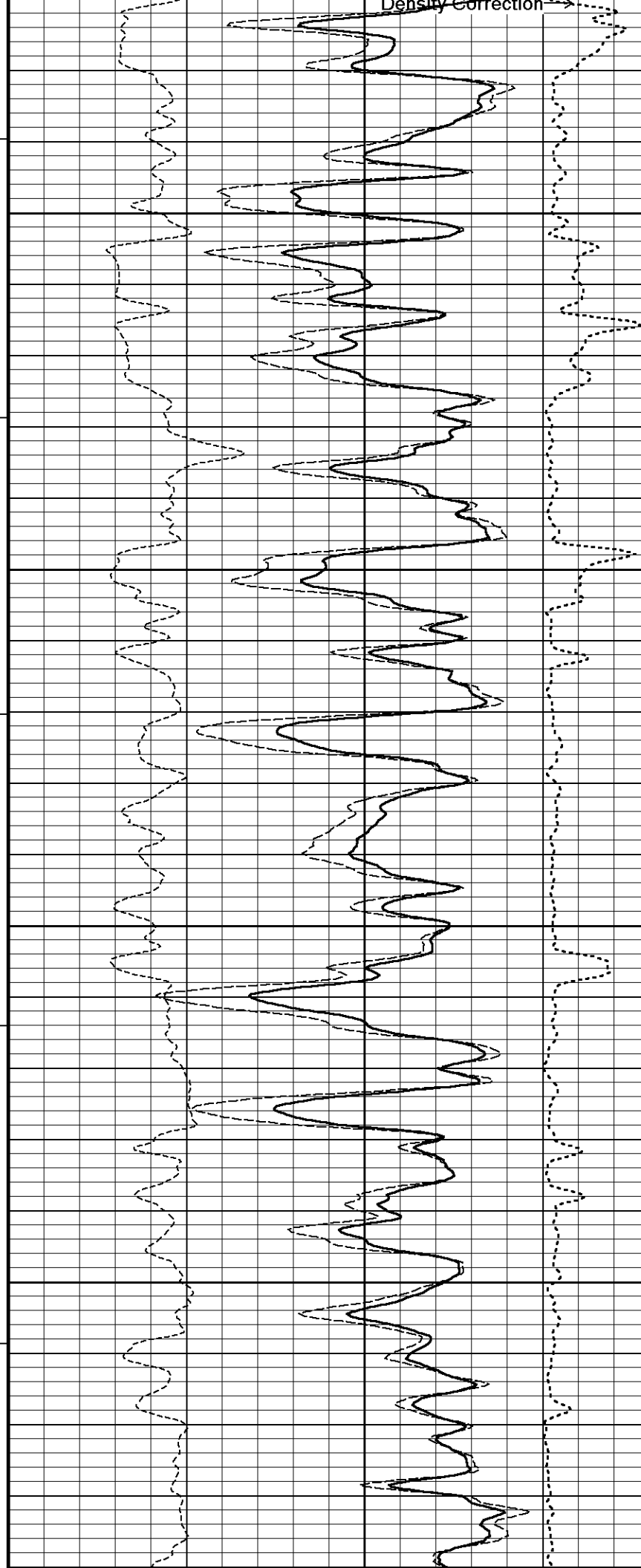
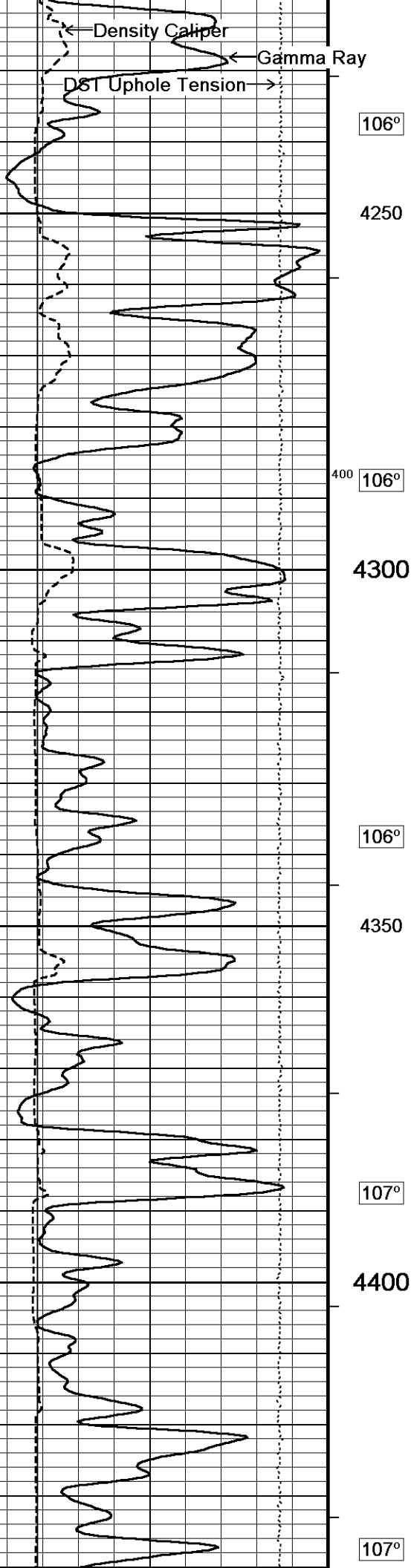


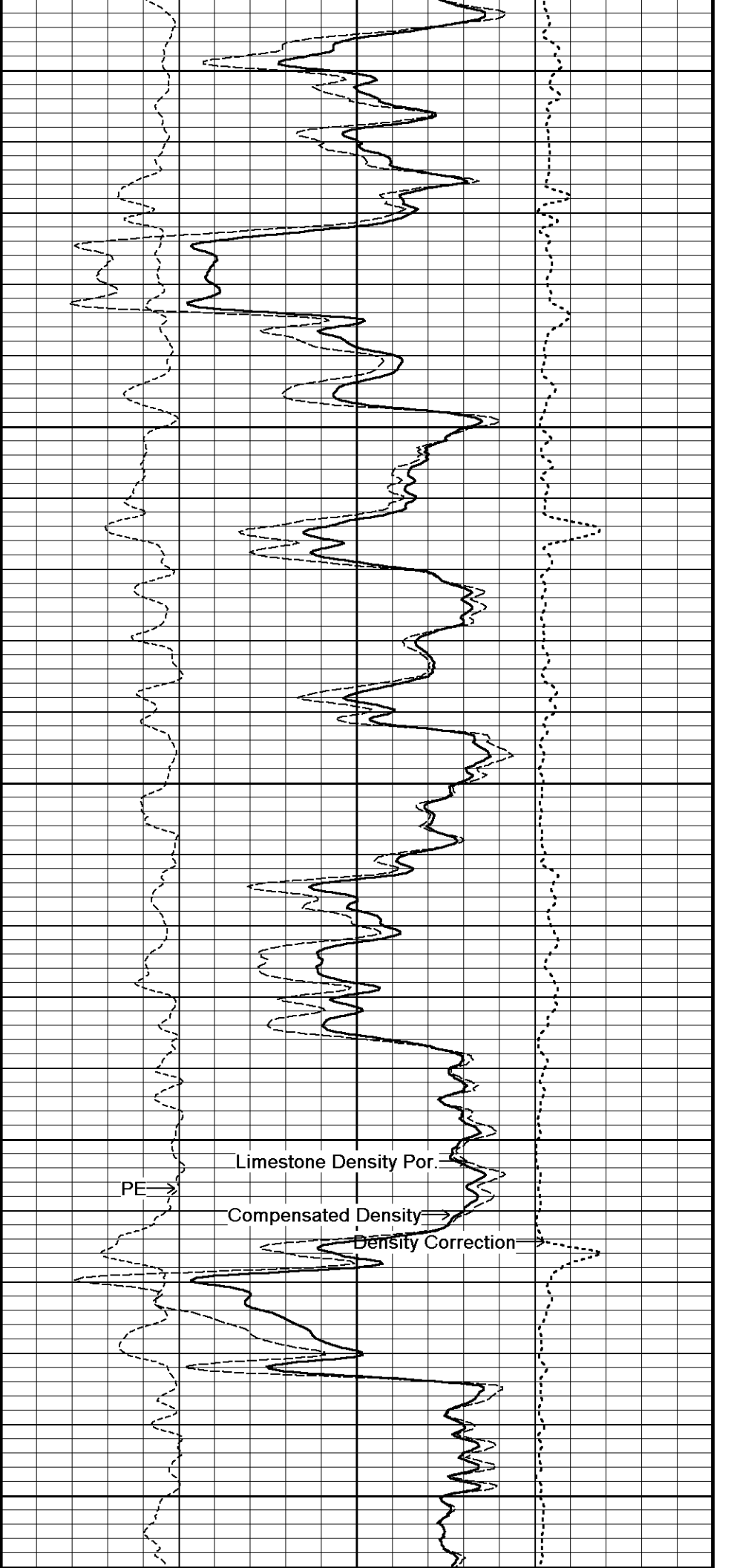
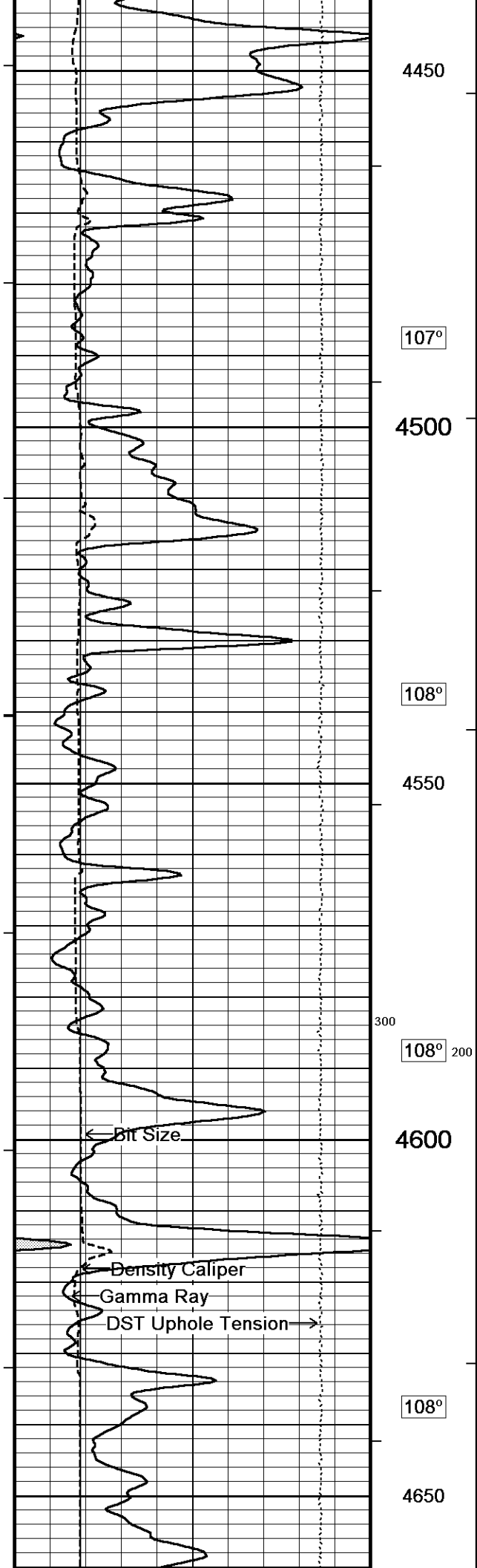
← Bit Size

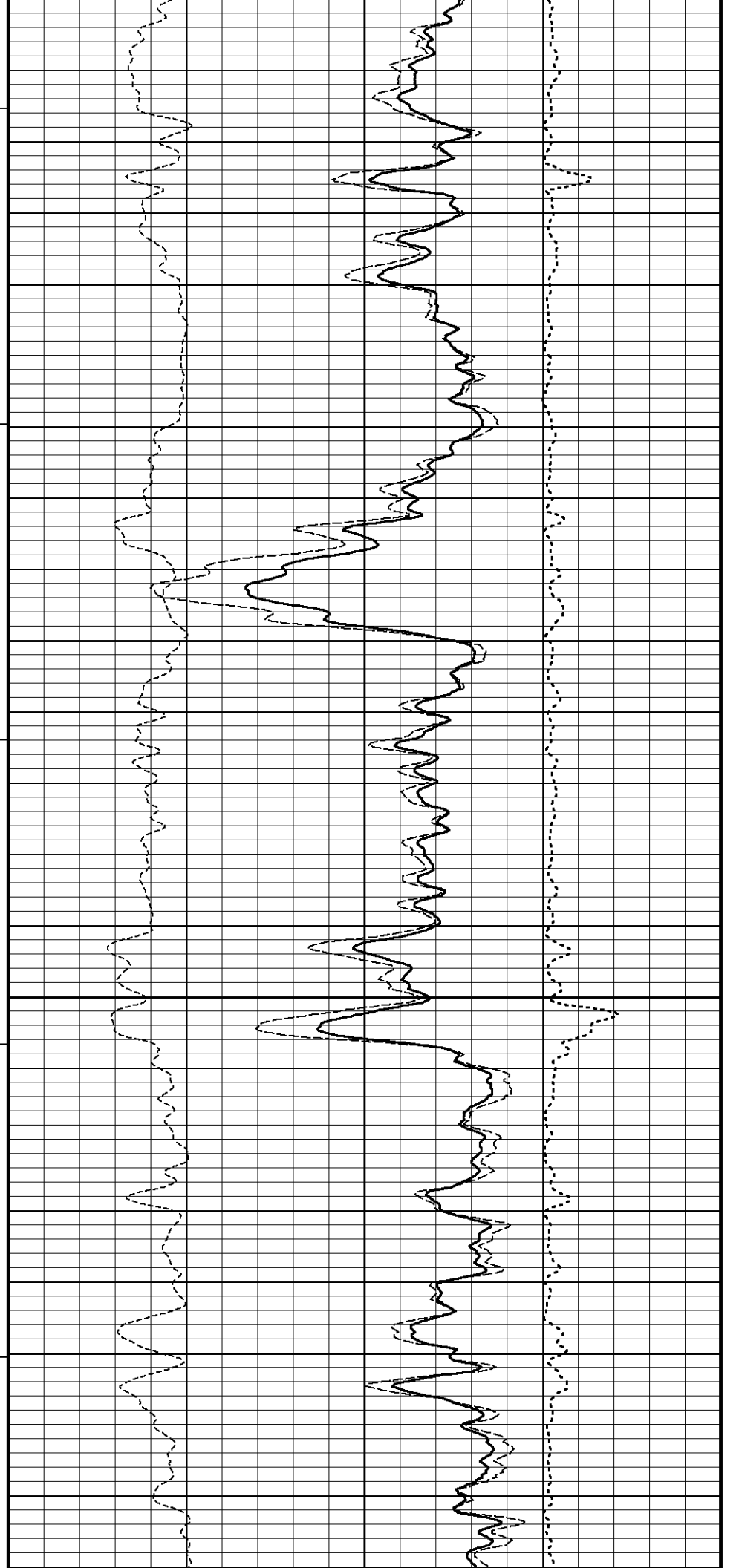
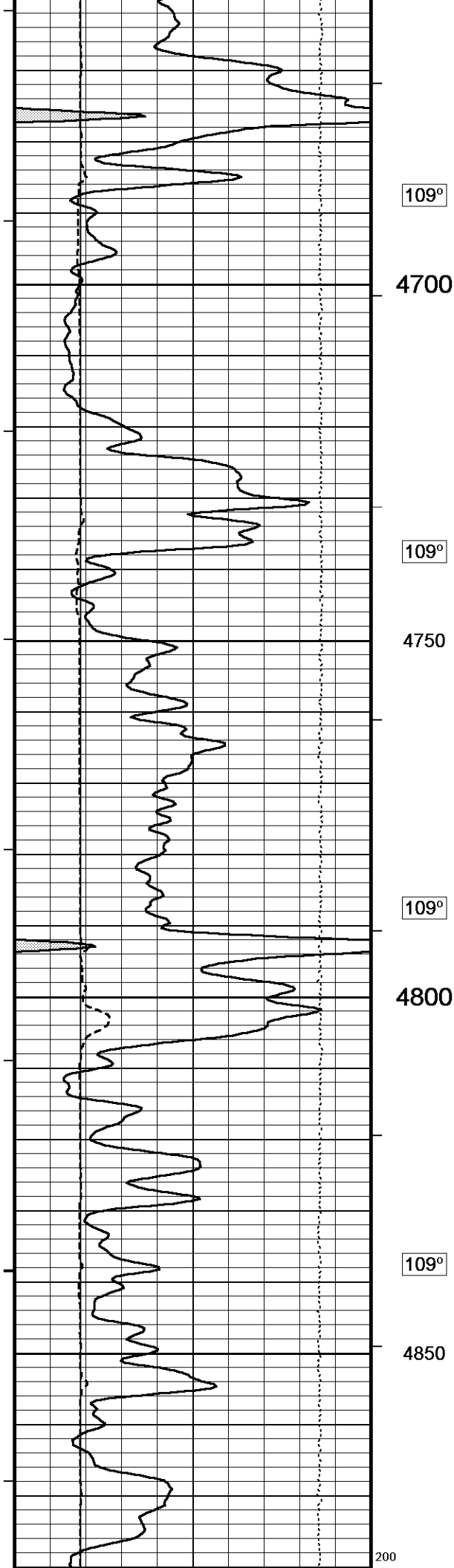
PE →

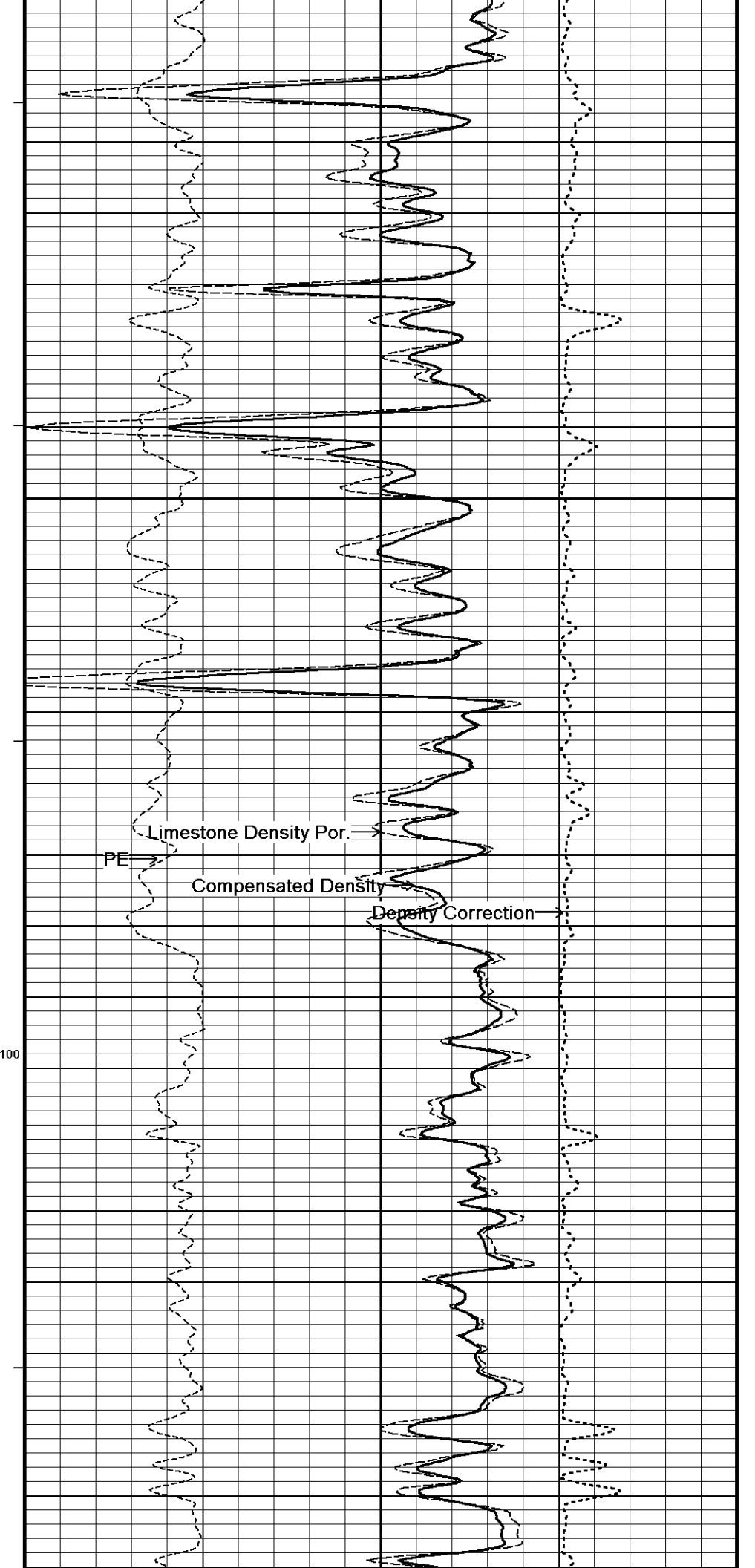
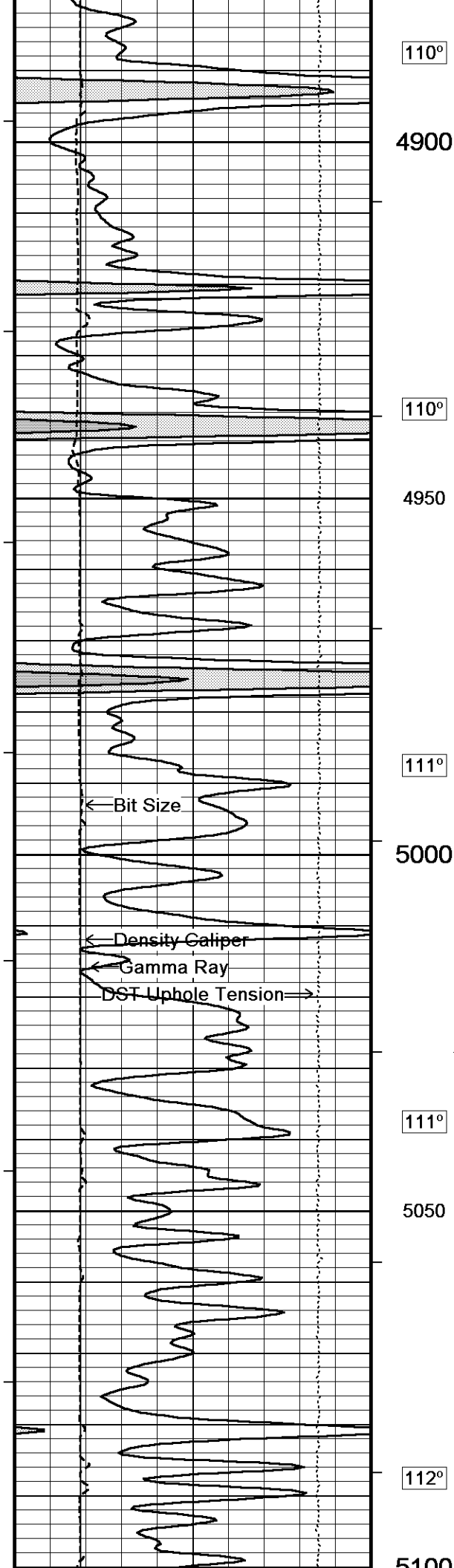
Limestone Density Por.

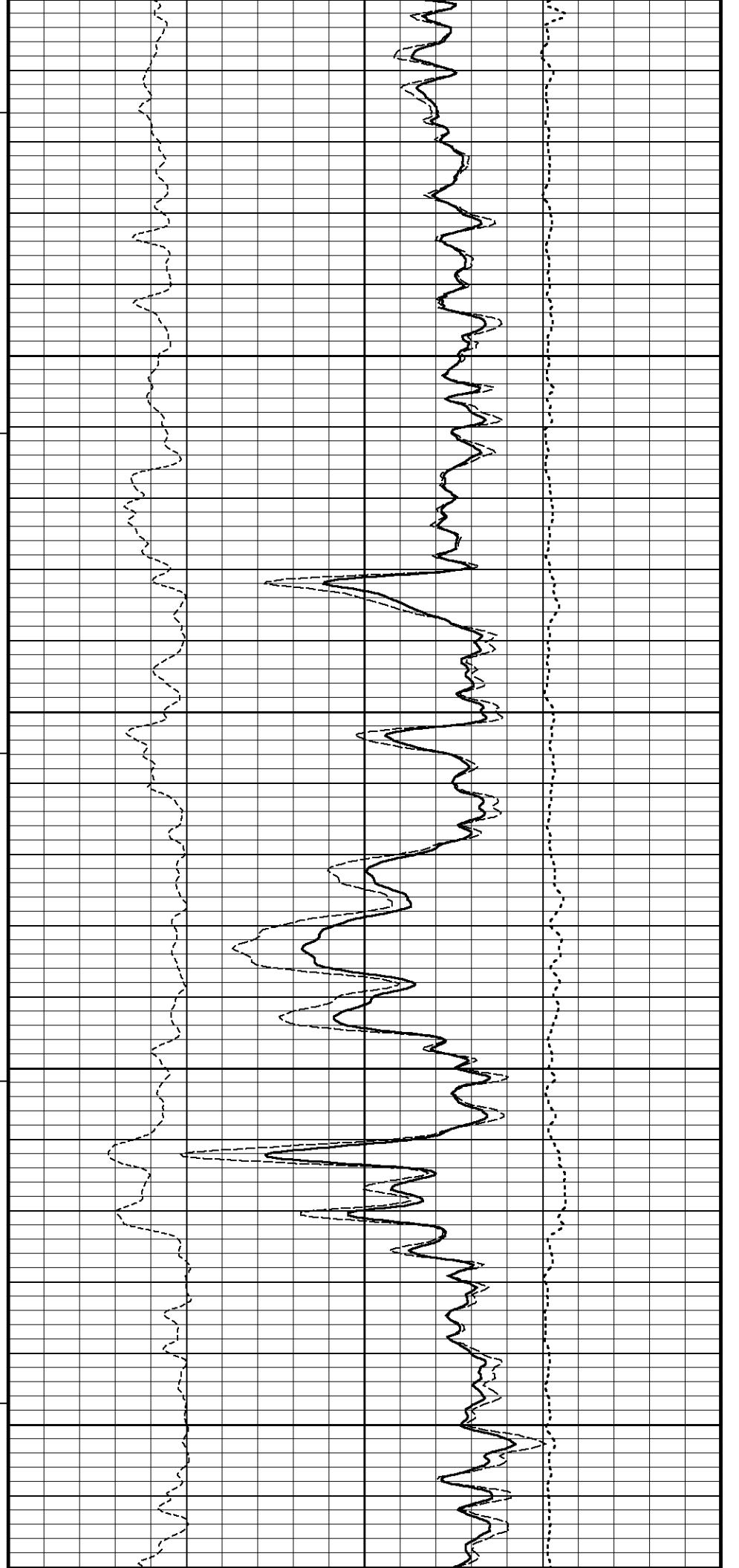
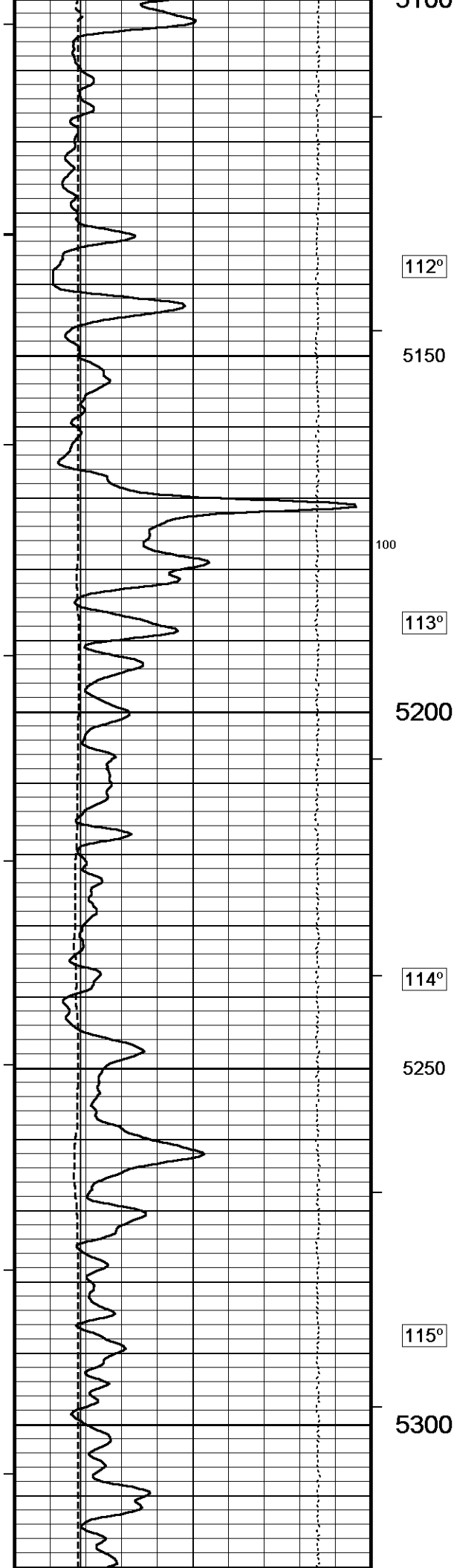
Compensated Density

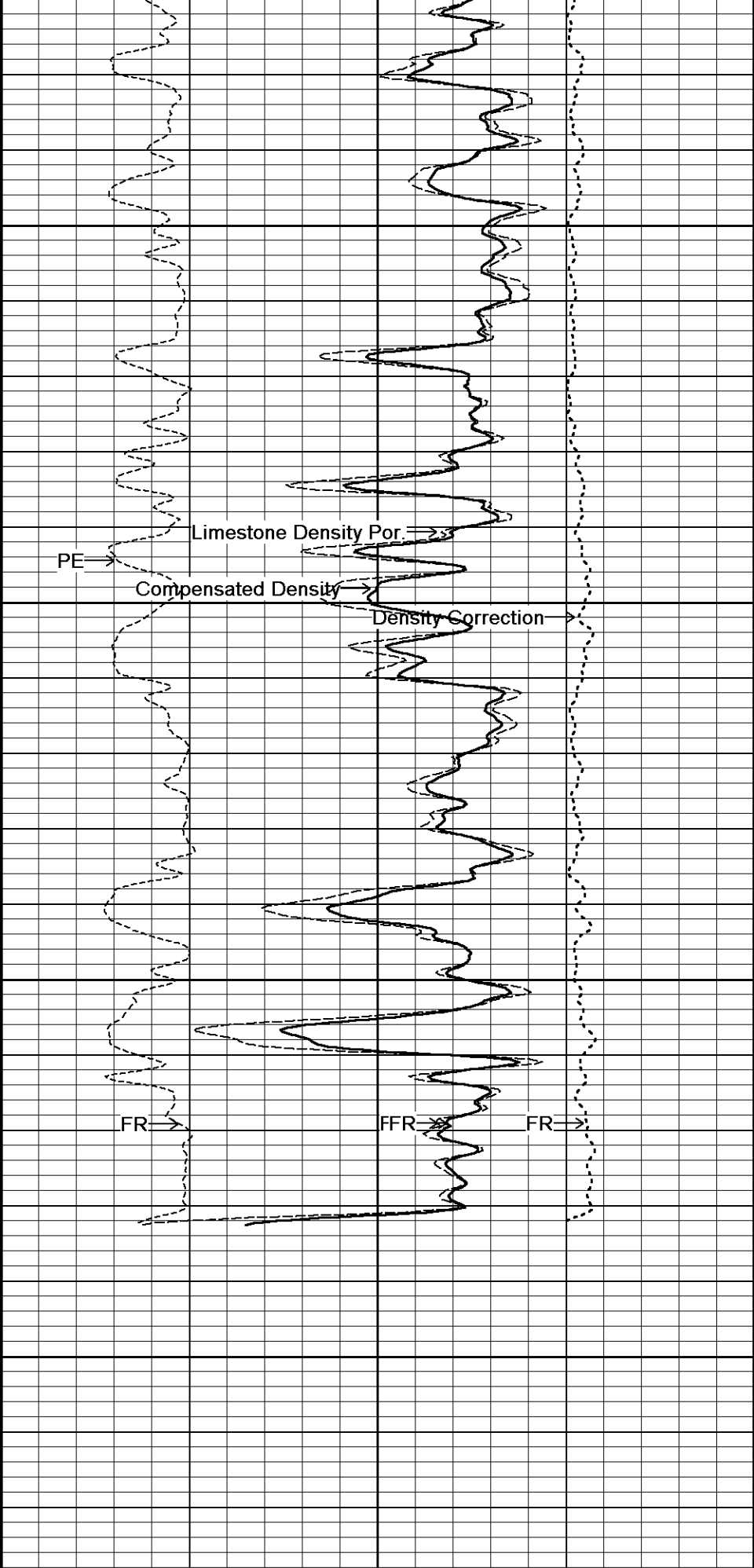
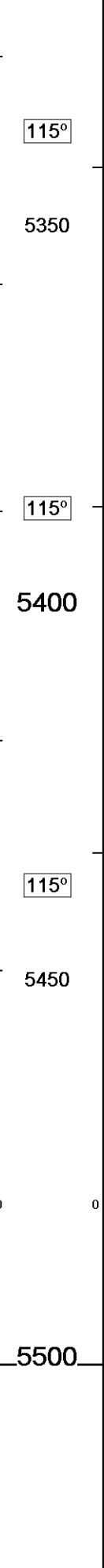
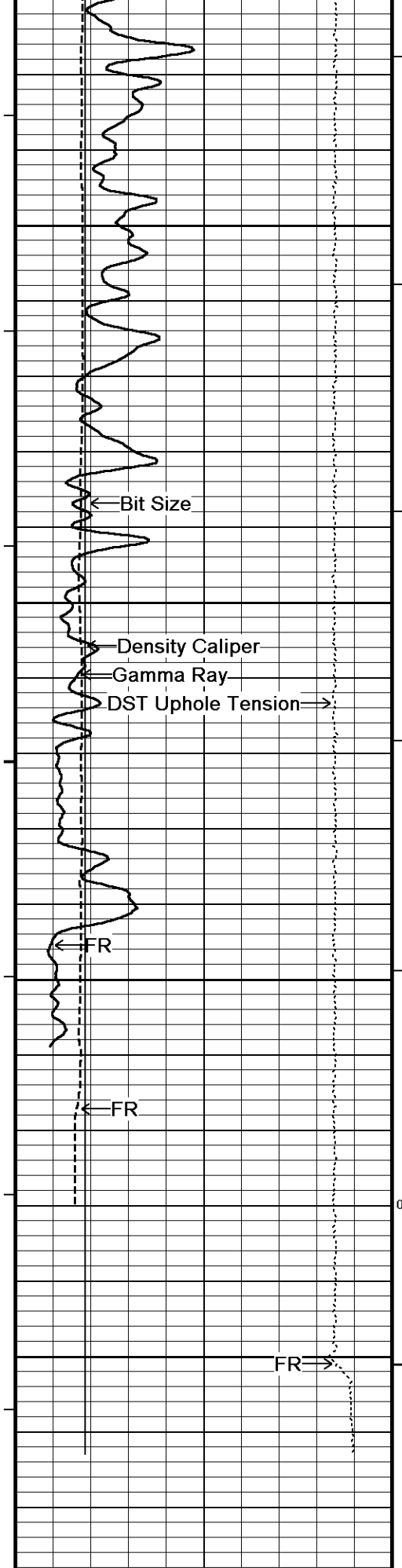


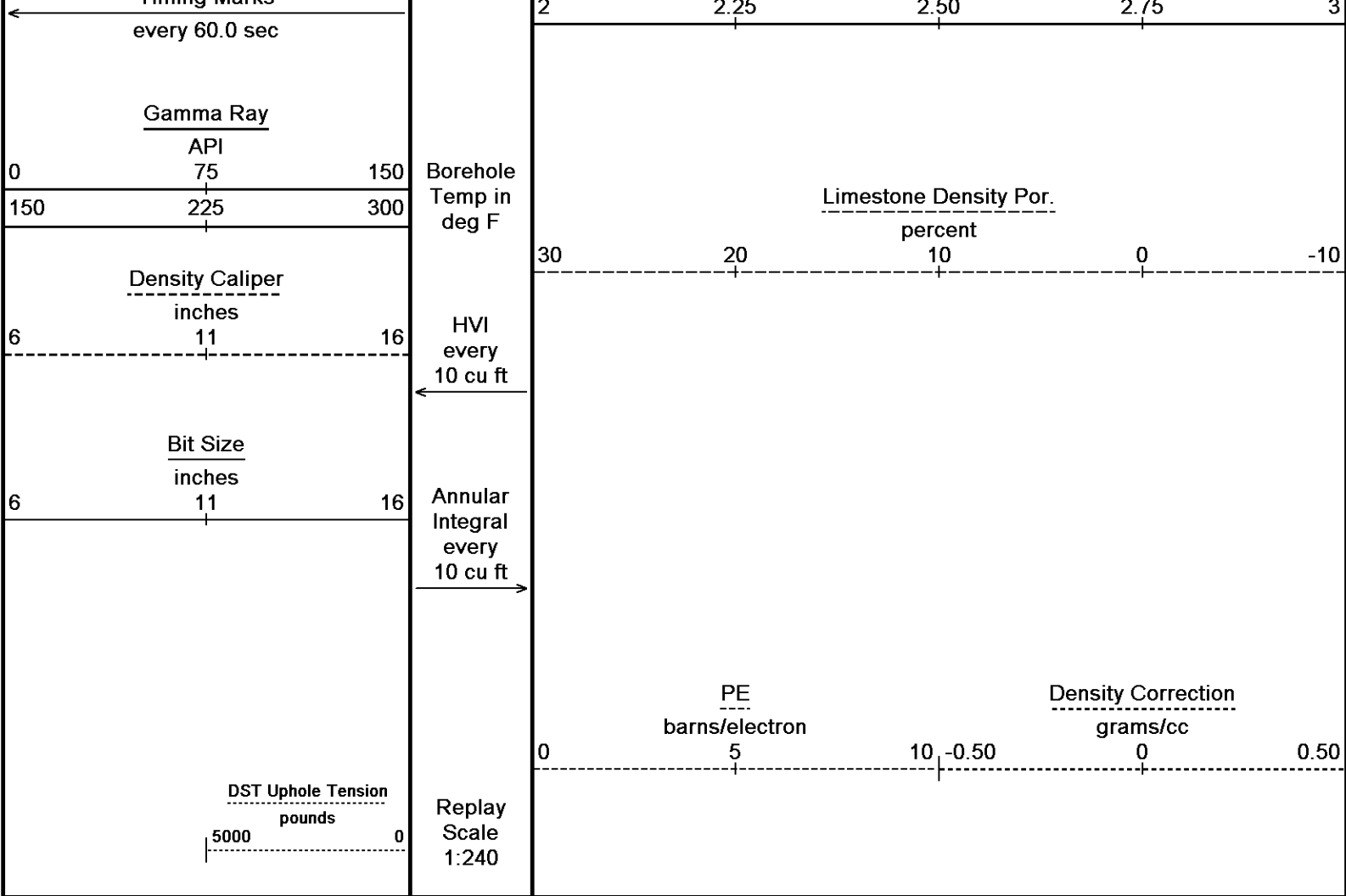












Depth Based Data - Maximum Sampling Increment 10.0cmPlotted on 04-MAR-2017 07:40

Filename: C:\Minimus 16.05.4955\Data\McCoy Reed Trust 'A' #1...\McCoy Reed Trust 'A' #1-36_003.dtaRecorded on 03-MAR-2017 23:29

System Versions: Logged with 16.05.4955Plotted with 16.05.4955

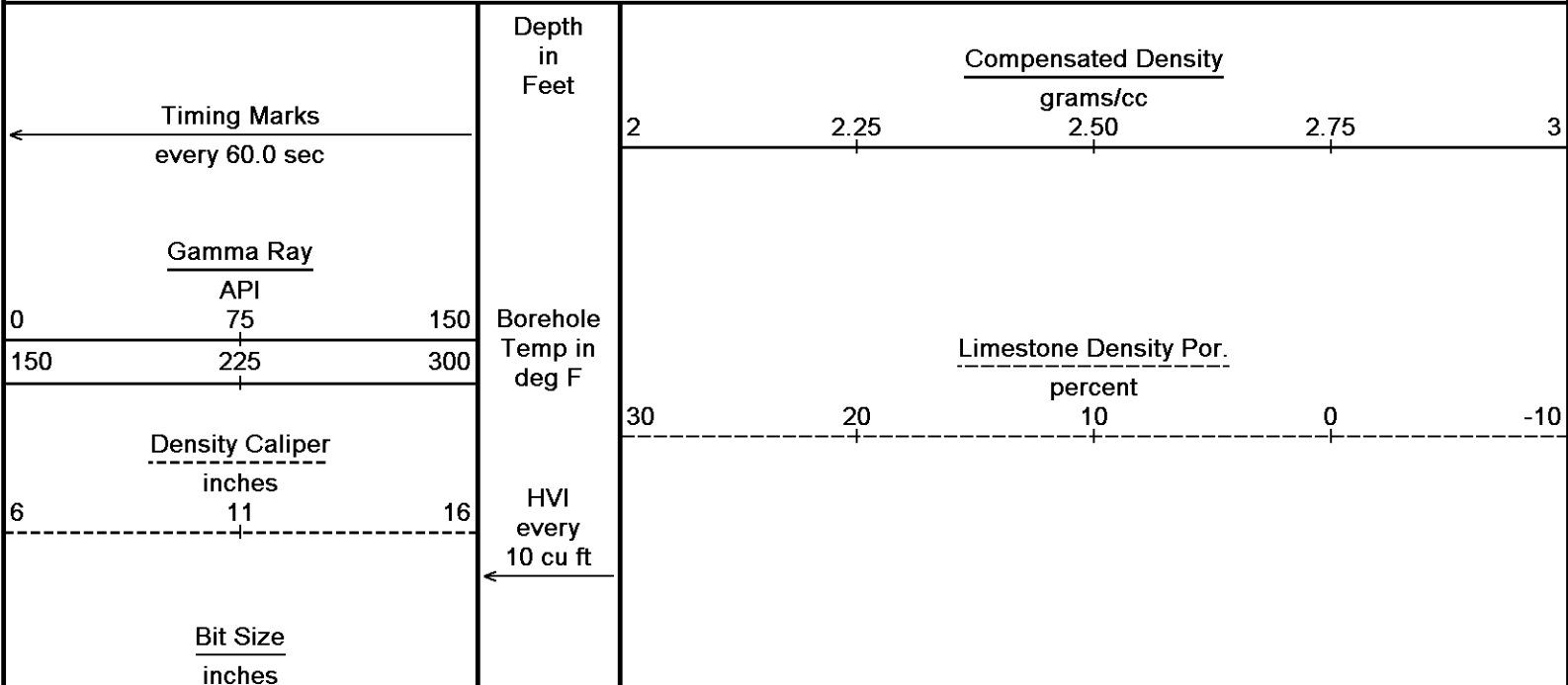
↑5 INCH BULK DENSITY MAIN↑

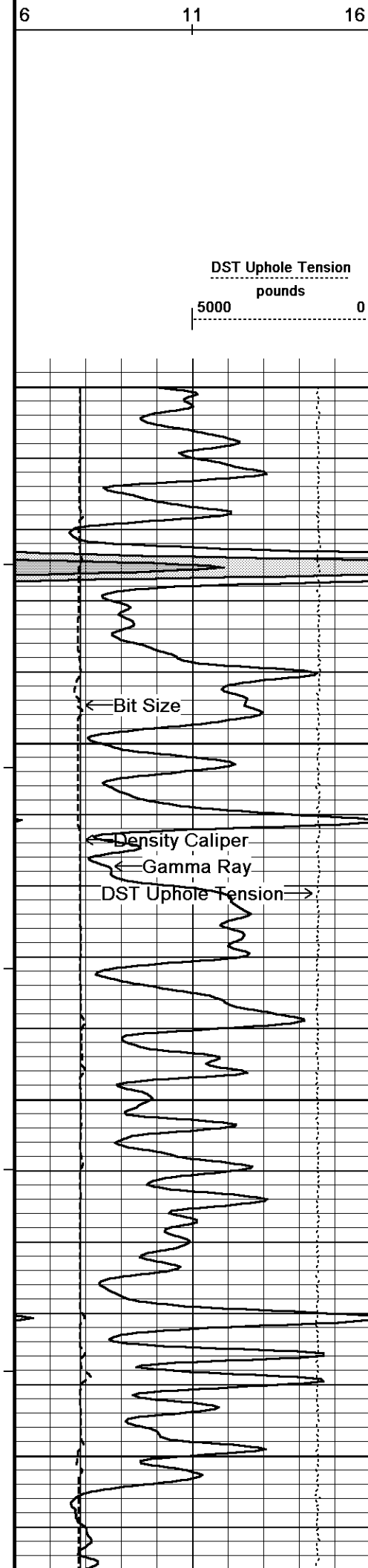
↓REPEAT SECTION↓

Depth Based Data - Maximum Sampling Increment 10.0cmPlotted on 04-MAR-2017 07:40

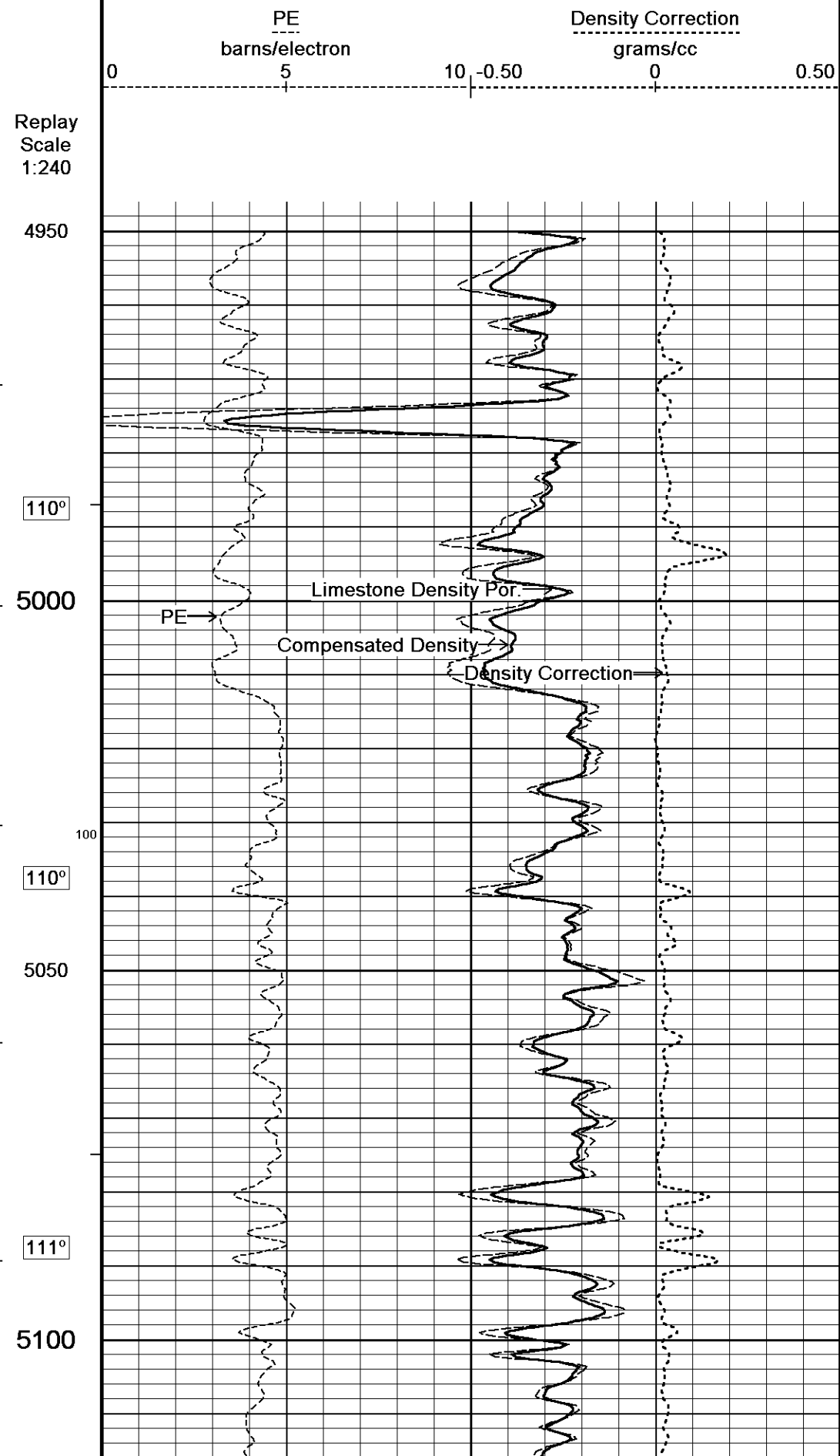
Filename: C:\Minimus 16.05.4955\Data\McCoy Reed Trust 'A' #1...\McCoy Reed Trust 'A' #1-36_002.dtaRecorded on 03-MAR-2017 22:46

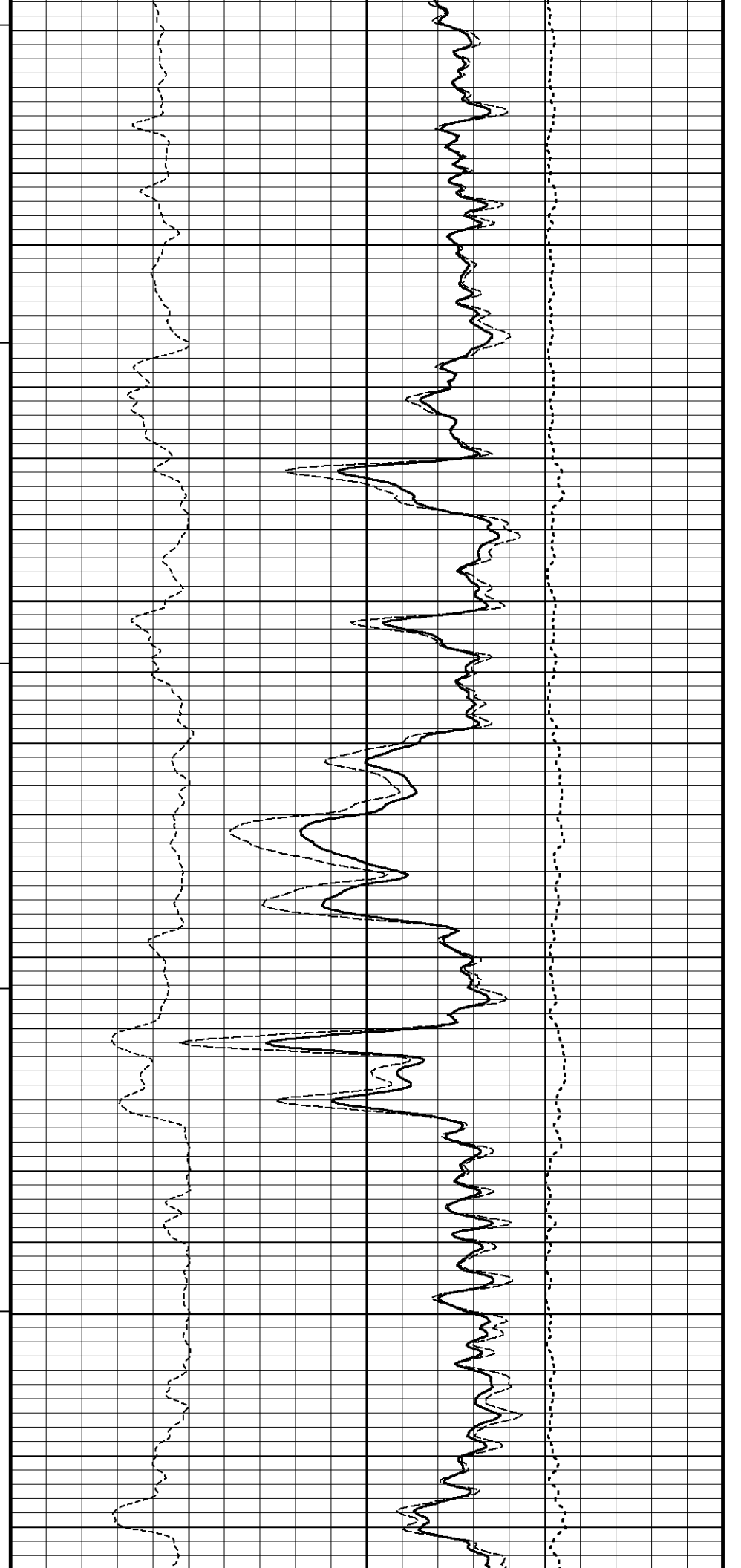
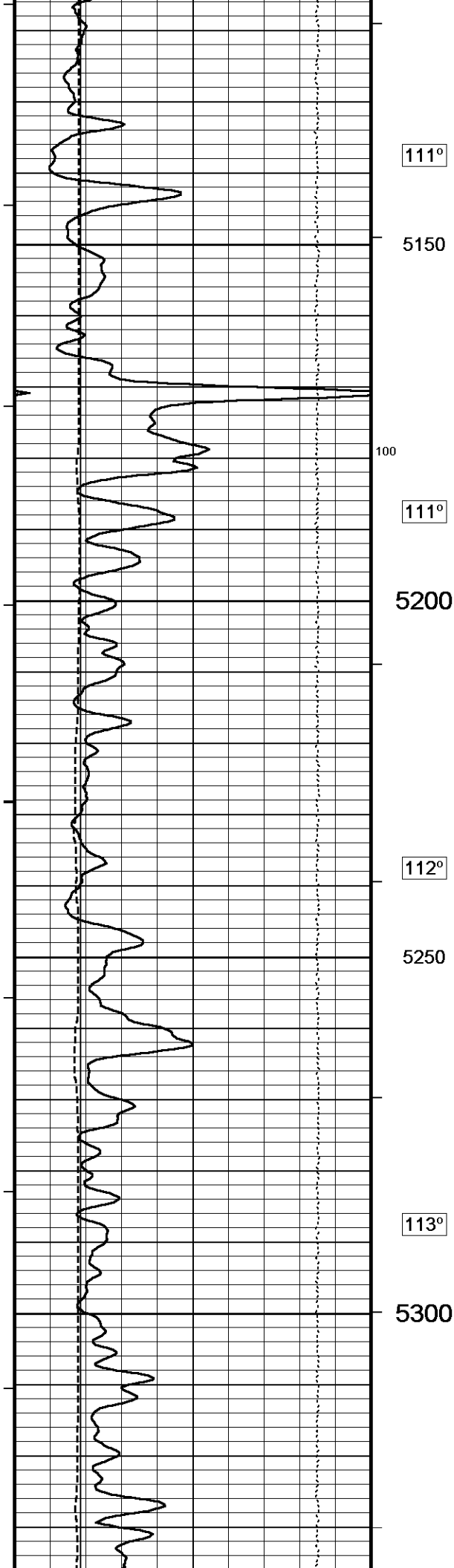
System Versions: Logged with 16.05.4955Plotted with 16.05.4955

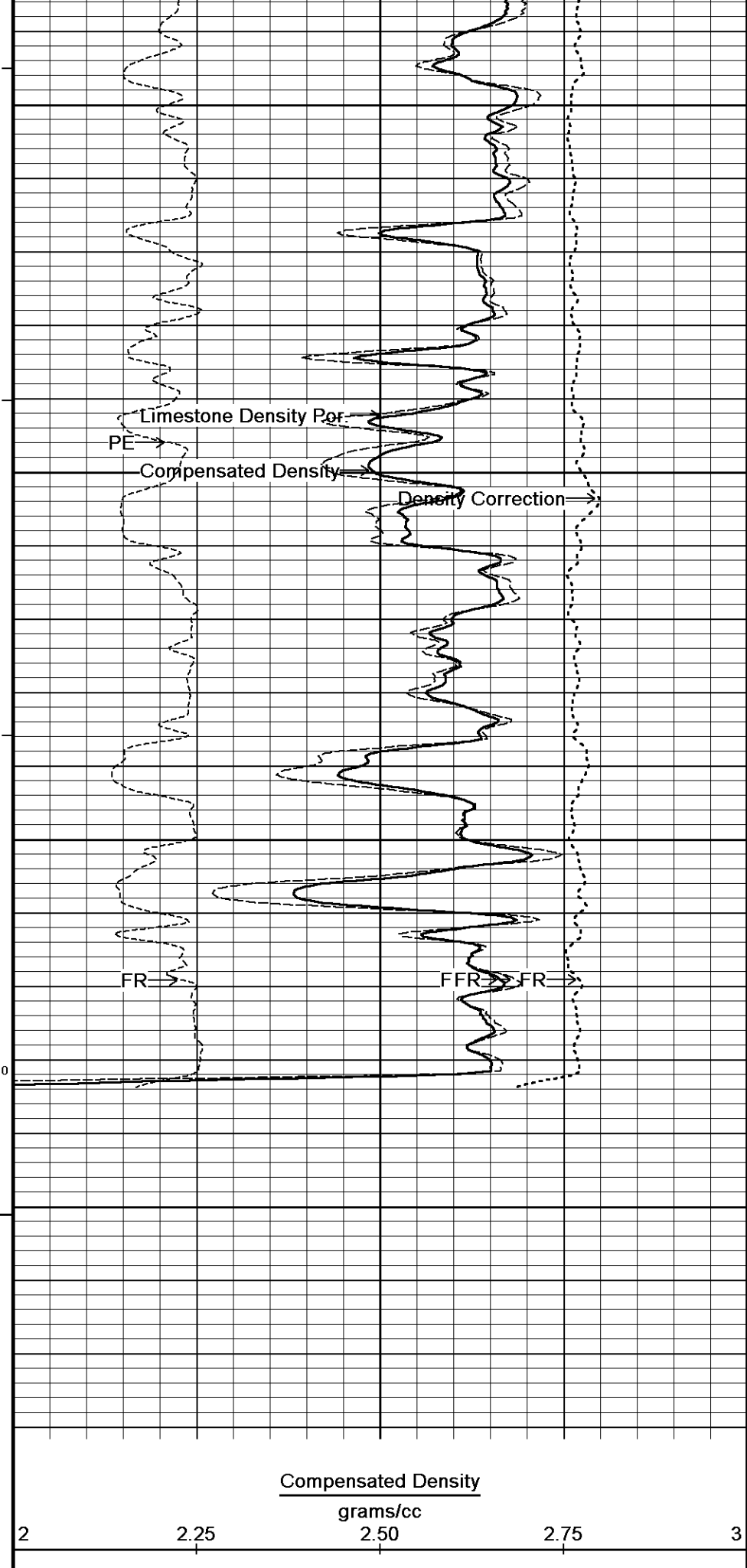
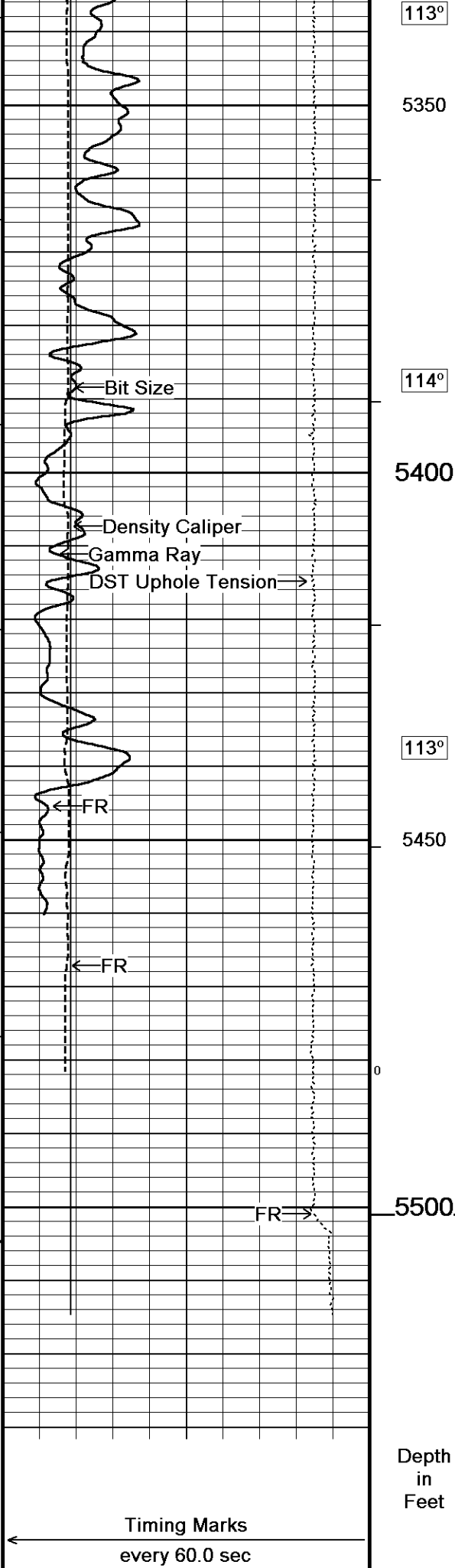


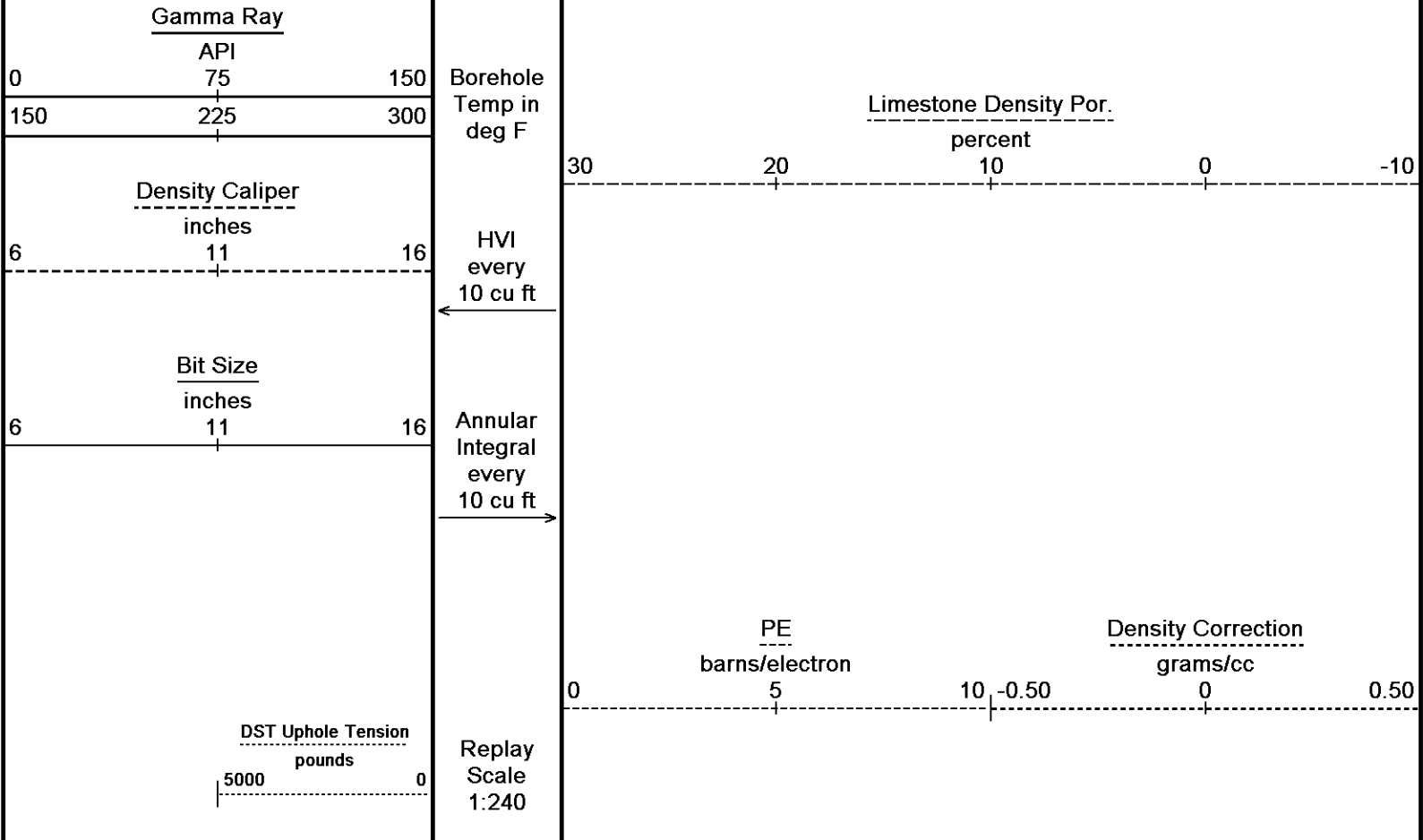


Annular
Integral
every
10 cu ft









Depth Based Data - Maximum Sampling Increment 10.0cm
Filename: C:\Minimus 16.05.4955\Data\McCoy Reed Trust 'A' #1-36\McCoy Reed Trust 'A' #1-36_002.dta
System Versions: Logged with 16.05.4955 Plotted with 16.05.4955

Plotted on 04-MAR-2017 07:40
Recorded on 03-MAR-2017 22:46

↑ REPEAT SECTION ↑

BEFORE SURVEY CALIBRATION			
C:\Minimus 16.05.4955\Data\McCoy Reed Trust 'A' #1-36\McCoy Reed Trust 'A' #1-36_002.dta			
General Constants All 000			Last Edited on 03-MAR-2017,22:06
General Parameters			
Mud Resistivity	0.990	ohm-metres	
Mud Resistivity Temperature	75.000	degrees F	
Water Level	0.000	feet	
Borehole Fluid 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	0.620		
RWA Constant M	2.150		
SW/APOR Tool Source	0.000		
Down-hole Tension Calibration SMS 0			Field Calibration on 16-FEB-2017 01:57
Reading No	Measured	Calibrated (lbs)	
1	493.46	0.00	
2	-2294.05	481.00	
Gamma Calibration MCG-C 123			

	Measured	Calibrated (API)
Background	71	49
Calibrator (Gross)	733	505
Calibrator (Net)	662	456

Gamma Calibration Tolerances MCG-C 123

Ratio 1.452  Counts/API

The scale shows values 1.40, 1.475, and 1.55. The current value 1.452 is indicated by a black bar.

Gamma Constants MCG-C 123

Last Edited on 03-MAR-2017,20:51

Gamma Calibrator Number	MCGGRCC141	
GRC-M Calibrator Jig in Use?	NO	
Inactive Background Jig in Use?	NO	
Mud Density	1.09	gm/cc
Caliper Source for Processing	Density Caliper	
Tool Position	Eccentred	
Potassium Equivalence	Chloride	
K Mud Concentration	0.00	%

High Resolution Temperature Calibration MCG-C 123

Field Calibration on 11-FEB-2017,15:04

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

High Resolution Temperature Constants MCG-C 123

Last Edited on 22-SEP-2015,11:43

Pre-filter Length 11

SP Calibration MCG-C 123

Field Calibration on 03-MAR-2017,11:10

	Measured	Calibrated (mV)
Reference 1	100.9	100.0
Reference 2	-99.4	-99.9

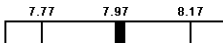
Caliper Calibration MML-A 7

Base Calibration on 11-FEB-2017 10:20

Field Calibration on 03-MAR-2017 10:49

Base Calibration		
Reading No	Measured	Calibrator Size (in)
1	14066	5.98
2	17366	7.97
3	20600	9.86
4	24449	11.92
5	0	0.00
6	N/A	N/A
Field Calibration		
	Measured Caliper (in)	Actual Caliper (in)
	7.99	7.97

Caliper Calibration Tolerances MML-A 7

Short Arm Field Cal. 7.99  in

The scale shows values 7.77, 7.97, and 8.17. The current value 7.99 is indicated by a black bar.

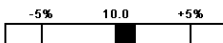
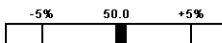
Micro Normal and Micro Inverse Calibration MML-A 7

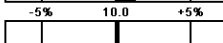
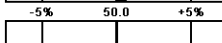
Base Calibration on 11-FEB-2017 10:26

Field Check on 03-MAR-2017 10:51

Base Calibration				
	Measured		Calibrated (ohm-m)	
Channel	Resistor 1	Resistor 2	Resistor 1	Resistor 2
Micro Normal	10.1	50.4	5.1	25.6
Micro Inverse	10.0	50.1	3.4	16.9
Field Check				
Channel	Base Check (ohm-m)		Field Check (ohm-m)	
Micro Normal	76.8		76.8	
Micro Inverse	51.0		51.0	

Micro Normal & Micro Inverse Calibration Tolerance MML-A 7

Micro Normal Res. 1 10.1  ohm Micro Normal Res. 2 50.4  ohm

Micro Inverse Res. 1 10.0  ohm Micro Inverse Res. 2 50.1  ohm

The tolerance scales show values -5%, 0.0, and +5%. The current values are indicated by black bars.

Micro Normal Base Check	76.8	-2% 76.60 +2%	ohm-m
Micro Inverse Base Check	51.0	-2% 50.97 +2%	ohm-m
Micro Normal Field Check	76.8	-2% 76.8 +2%	ohm-m
Micro Inverse Field Check	51.0	-2% 51.0 +2%	ohm-m

Micro Normal and Micro Inverse Constants MML-A 7

Last Edited on 03-MAR-2017,20:50

Pad Type	8-12 in Soft Rubber Inflatable	006-9011-159
Micro Normal K Factor		0.5110
Micro Inverse K Factor		0.3380
Standoff Offset	N/A	inches

Neutron Calibration MDN-A.B 66

Base Calibration on 11-FEB-2017,10:45

Field Check on 03-MAR-2017 11:14

Base Calibration				
	Measured		Calibrated (cps)	
	Near	Far	Near	Far
	3031	94	3714	110
Ratio	32.309		33.764	
Field Calibrator at Base			Calibrated (cps)	
			2092	3032
Ratio			0.690	
Field Check			Calibrated (cps)	
			2196	3136
Ratio			0.700	

Neutron Calibration Tolerances MDN-A.B 66

Ratio	32.309	-5% 33 +5%
Base Check	0.690	0.65 0.7 0.75
Field Check	0.700	0.670 0.690 0.710

Neutron Constants MDN-A.B 66

Last Edited on 03-MAR-2017,20:50

Neutron Source Id	P0204NN	
Neutron Jig Number	NJ5736	
Air Hole Processing	Legacy	
Caliper Source for Processing	Density Caliper	
Stand-off	0.00	inches
Mud Density	1.00	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	Constant Value	
Temperature	68.00	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	

FE Calibration MFE-B.J 352

Base Calibration on 11-FEB-2017 10:10

Field Check on 03-MAR-2017 10:39

Base Calibration		
	Measured	Calibrated (ohm-m)
Reference 1	0.0	0.0
Reference 2	993.6	126.8
Base Check		272.8
Field Check		272.9

FE Calibration Tolerances MFE-B.J 352

Reference 2	993.6		ohm
Base Check	272.8		ohm-m
Field Check	272.9		ohm-m

FE Constants MFE-B.J 352

Last Edited on 03-MAR-2017,20:50

Running Mode No Sleeve
MFE K Factor 0.1268

Borehole Correction Constants

Sonde Position 0.5 inches
Hole Size Source Density Caliper
Hole Size Constant Value N/A inches
Rm Source Global Value: Temperature Corrected
Temp. for Rm Corr. MCG External Temperature

Sonic Constants MSS-A.A 55

Last Edited on 03-MAR-2017,20:49

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 Compensated
Hole Type Open Hole

Sonde Parameters

	Measured	Calibrated
Offset	N/A	0.0000
Free Pipe	N/A	N/A
Peak Amplitude Source		N/A

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	N/A		
Start Time (micro-sec)	End Time (micro-sec)	Discriminator (mV)	N/A
N/A	N/A	N/A	
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Full Waveform Parameters

Use 3' Waveform to derive TR	N/A
Use 4' Waveform to derive TR	N/A
Use 5' Waveform to derive TR	N/A
Use 6' Waveform to derive TR	N/A
3' Waveform Discriminator Level	N/A mV
4' Waveform Discriminator Level	N/A mV
5' Waveform Discriminator Level	N/A mV
6' Waveform Discriminator Level	N/A mV

Waveform Discriminator Filter	N/A	
Semblance Window Width	N/A	micro-sec
Sonic Despiker	N/A	N/A

Induction Calibration MAI-A.A 111

Base Calibration on 11-FEB-2017,10:02

Field Check on 03-MAR-2017 10:38

Base Calibration

Test Loop Calibration

Channel	Measured		Calibrated (mmho/m)	
	Low	High	Low	High
1	17.6	473.6	9.3	966.2
2	6.4	385.9	7.6	821.4
3	3.2	264.0	5.2	566.0
4	2.1	135.5	2.6	279.2

Array Temperature 23.0 Deg F

Test Loop Calibration Verified 03-DEC-2016,14:48

Channel	Base Check (mmho/m)		Field Check (mmho/m)	
	Low	High	Low	High
1	10.6	3867.8	9.7	3865.8
2	29.4	3524.5	27.5	3522.1
3	28.8	3018.5	27.1	3016.5
4	19.0	2056.6	17.8	2055.0
Deep	17.5	1960.2	16.4	1958.8
Medium	42.9	3973.0	40.5	3970.4
Shallow	43.8	5227.4	41.0	5224.0

Array Temperature 43.0 66.6 Deg F

Induction Calibration Tolerances MAI-A.A 111

Low Conductivity 1	17.6		mmho/m	High Conductivity 1	473.6		mmho/m
Low Conductivity 2	6.4		mmho/m	High Conductivity 2	385.9		mmho/m
Low Conductivity 3	3.2		mmho/m	High Conductivity 3	264.0		mmho/m
Low Conductivity 4	2.1		mmho/m	High Conductivity 4	135.5		mmho/m
Background Vx 1	0.0		mmho/m	Phase Check Loop 1	0.0		%
Background Vx 2	0.0		mmho/m	Phase Check Loop 2	0.0		%
Background Vx 3	0.0		mmho/m	Phase Check Loop 3	0.0		%
Background Vx 4	0.0		mmho/m	Phase Check Loop 4	0.0		%

Induction Constants MAI-A.A 111

Last Edited on 03-MAR-2017,20:49

Induction Model	RtAP-WBM		
Borehole Correction Constants			
Tool Centred	No		
Hole Size Source	Density Caliper		
Hole Size Constant Value	N/A	inches	
Stand-off Type	Fins		
Stand-off	0.50	inches	
Number of Fins on Stand-off	8.0000		
Stand-off Fin Angle	45.00	degrees	
Stand-off Fin Width	0.5000	inches	
Rm Source	Global Value: Temperature Corrected		
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
Symmetrised Receiver Gains		
Receiver 1	1.00	
Receiver 2	1.00	
Receiver 3	1.00	
Receiver 4	1.00	
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 111

Field Calibration on 13-JAN-2017,11:28

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

High Resolution Temperature Constants MAI-A.A 111

Last Edited on 26-JUN-2014,15:06

Pre-filter Length	11
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Photo Density Calibration MPD-B 104

Base Calibration on 11-FEB-2017 11:11
Field Check on 03-MAR-2017 10:47

Density Calibration				
Base Calibration		Measured		Calibrated (sdu)
	Near	Far	Near	Far
Background	1135	1314		
Reference 1	49907	23891	59556	30836
Reference 2	20183	2416	24941	2541

Field Check at Base	1135.4	1313.9
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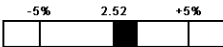
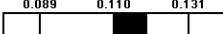
Field Check	1126.0	1310.0
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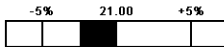
PE Calibration				
Base Calibration		Measured		Calibrated
	WS	WH	Ratio	Ratio
Background	206	1011		
Reference 1	21020	49728	0.427	0.371
Reference 2	5897	20051	0.299	0.272

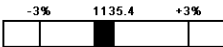
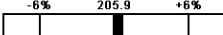
Field Check at Base	205.9	1011.5
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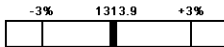
Field Check	207.5	1002.6
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Photo Density Calibration Tolerances MPD-B 104

Near Density Ratio	2.56	
PE Calibration	0.120	

Far Density Ratio	20.48	
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Near Den. Field Check	1126.0	
PE WS Field Check	207.5	

Far Den. Field Check	1310.0	
PE WH Field Check	1002.6	

Density Constants MPD-B 104

Last Edited on 03-MAR-2017,20:50

Density Source Id	P50557B	
Nylon Calibrator Number	DNCE695	
Aluminium Calibrator Number	DACD698	
Density Shoe Profile	8 inch	
Caliper Source for Processing	Density Caliper	
PE Correction to Density	Not Applied	
Mud Density	1.09	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	
Precision Enhanced Density Processing	Not Applied	
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	
0.00	0.00	

Caliper Calibration MPD-B 104

Base Calibration on 11-FEB-2017 10:55
Field Calibration on 03-MAR-2017 10:42

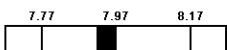
Base Calibration

Reading No	Measured	Calibrator Size (in)
1	14696	3.99
2	23744	5.98
3	32402	7.97
4	40592	9.86
5	49680	11.92
6	N/A	N/A

Field Calibration

Measured Caliper (in)	Actual Caliper (in)
7.91	7.97

Caliper Calibration Tolerances MPD-B 104

Short Arm Field Cal. 7.91  in

DOWNHOLE EQUIPMENT

C:\Minimus 16.05.4955\Data\McCoy Reed Trust 'A' #1-36\McCoy Reed Trust 'A' #1-36_002.dta

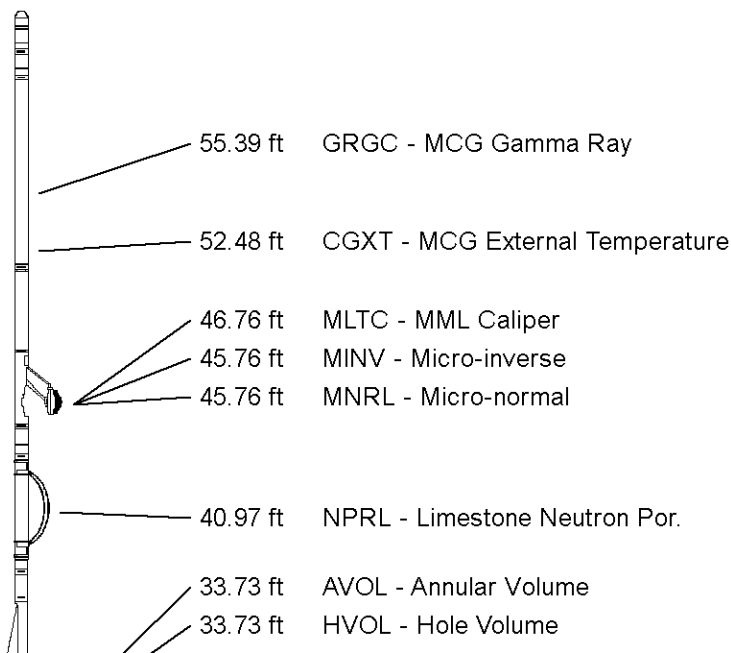
Cablehead, 11 pin
CBH-C 0 LG: 2.40 ft WT: 24.3 lb OD: 2.244 in

Compact Comms Gamma
MCG-C 123 LG: 8.70 ft WT: 63.9 lb OD: 2.244 in

Compact Micro-log
MML-A 7 LG: 7.97 ft WT: 81.6 lb OD: 2.244 in

Compact Neutron
MDN-A.B 66 LG: 5.04 ft WT: 50.7 lb OD: 2.244 in

Compact Density/Caliper
MPD-B 104 LG: 9.59 ft WT: 90.4 lb OD: 2.449 in

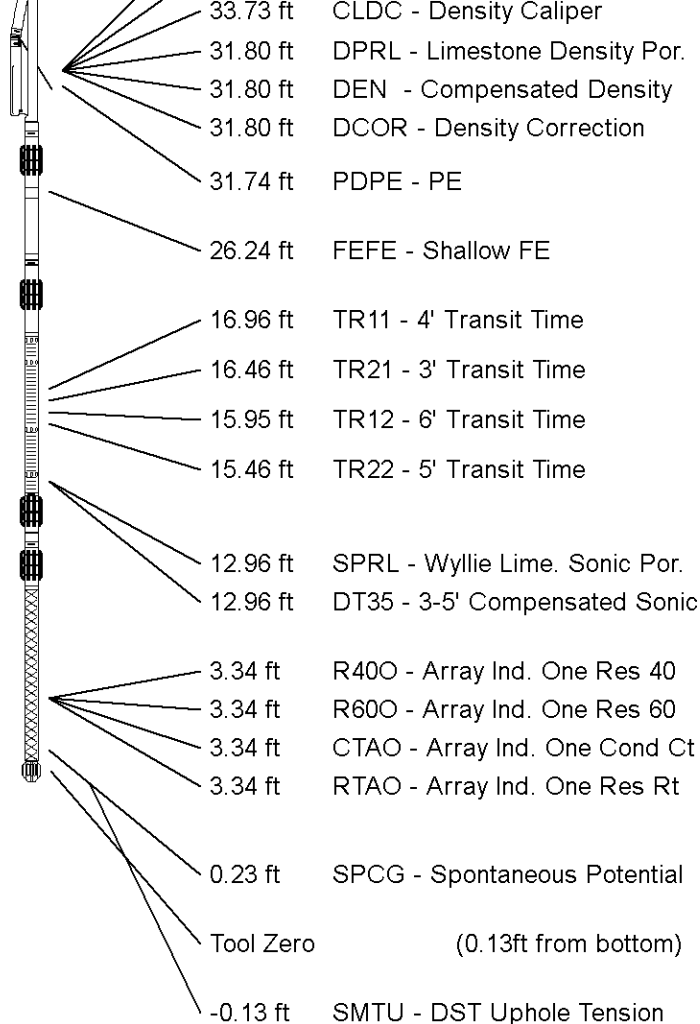


Compact Focussed Electric
MFE-B.J 352 LG: 6.05 ft WT: 48.5 lb OD: 2.244 in

Compact Sonic
MSS-A.A 55 LG: 12.52 ft WT: 72.8 lb OD: 2.244 in

Compact Induction
MAI-A.A 111 LG: 10.81 ft WT: 48.5 lb OD: 2.244 in

Total Length: 63.07 ft Weight: 480.6 lb



All measurements relative to tool zero.

COMPANY	McCOY PETROLEUM CORPORATION
WELL	REED TRUST "A" #1-36
FIELD	WILDCAT
PROVINCE/COUNTY	GRAY
COUNTRY/STATE	U.S.A. / KANSAS

Elevation Kelly Bushing	2780	feet	First Reading	5469.00	feet
Elevation Drill Floor	2778	feet	Depth Driller	5500.00	feet
Elevation Ground Level	2769	feet	Depth Logger	5501.00	feet



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