Weatherford®

COMPACT PHOTO DENSITY COMPENSATED NEUTRON LOG

COMPANY	SANDRIDGE EXPL. & PRODUCTION, LLC.
WELL	MACY 1-34 SWD
FIELD	KANSAS WALDRON-WEST
PROVINCE/COUNTY	HARPER
COUNTRY/STATE	U.S.A. / KANSAS
LOCATION	249' FSL & 967' FWL
	SW SE SW SW



SEC	TWP	RGE
34	34S	8W

Other Services
MAI/MFE MML
MSS

API Number 15-077-21770
Permit Number

Permanent Datum G.L., Elevation 1261 feet
Log Measured From KB
Drilling Measured From K.B.

Elevations:	feet
KB	1277.00
DF	1275.00
GL	1261.00

Date	21-FEB-2012		
Run Number	ONE		
Depth Driller	5570.00	feet	
Depth Logger	5575.00	feet	
First Reading	5541.00	feet	
Last Reading	3300.00	feet	
Casing Driller	791.00	feet	
Casing Logger	791.00	feet	
Bit Size	8.750	inches	
Hole Fluid Type	CHEMICAL		
Density / Viscosity	9.30 lb/USg	42.00 CP	
PH / Fluid Loss	9.50	6.20 ml/30Min	
Sample Source	FLOWLINE		
Rm @ Measured Temp	0.42 @ 71.0	ohm-m	
Rmf @ Measured Temp	0.34 @ 71.0	ohm-m	
Rmc @ Measured Temp	0.50 @ 71.0	ohm-m	
Source Rmf / Rmc	CALC	CALC	
Rm @ BHT	0.22 @134.0	ohm-m	
Time Since Circulation	8 HOURS		
Max Recorded Temp	134.00	deg F	
Equipment Name	COMPACT		
Equipment / Base	13057	LIB	
Recorded By	L. SCOTT		
Witnessed By	TAMMY ALCORN		
S.O.# / JOB#	3534610		LB12-036

BOREHOLE RECORD

Last Edited: 21-FEB-2012 11:41

Bit Size inches	Depth From feet	Depth To feet
8.750	791.00	5575.00

CASING RECORD

Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
COND.	20.000	0.00	90.00	94.00
SURFACE	9.625	0.00	791.00	29.30

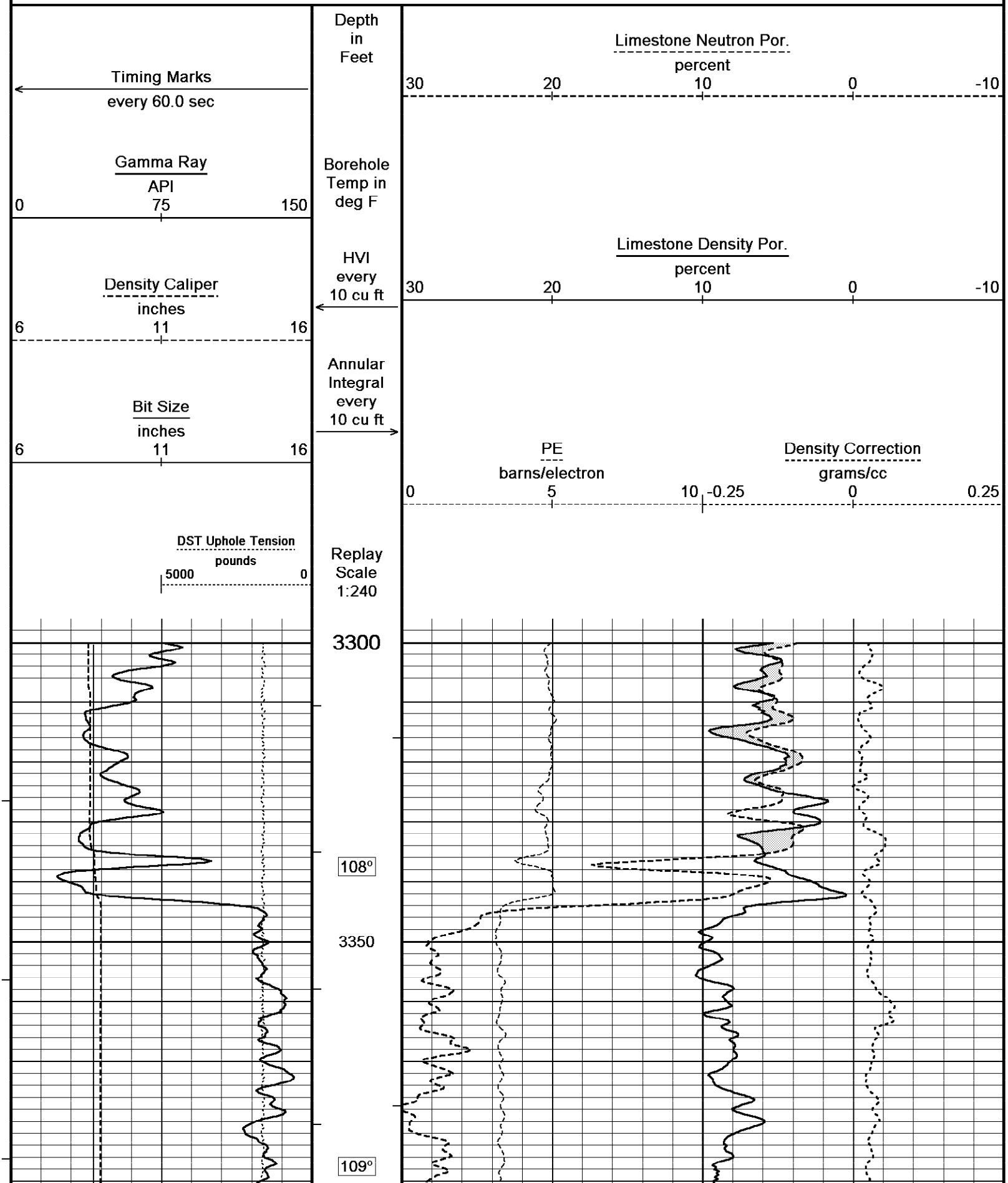
REMARKS

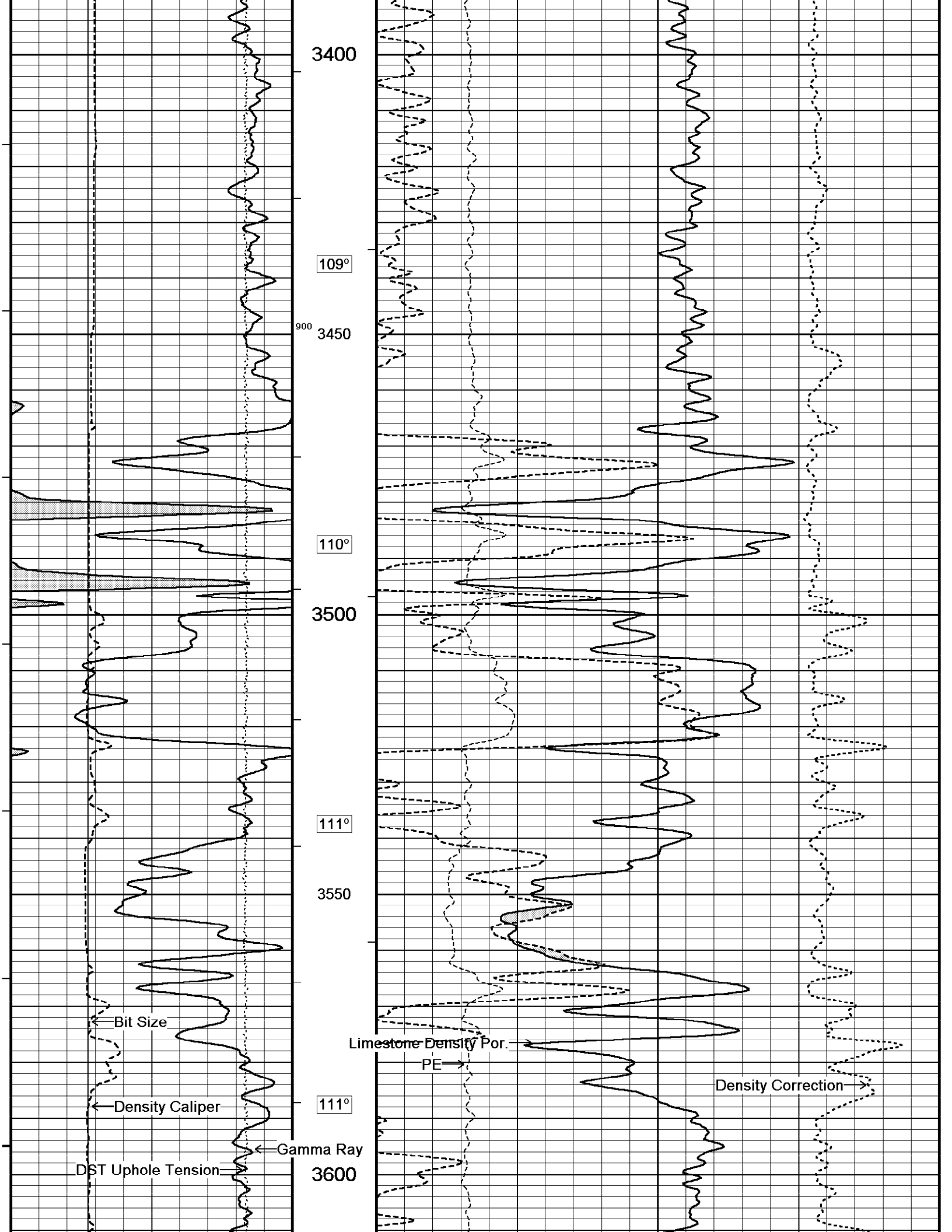
Tools Ran: MCG, MML, MDN, MPD, SKJ, MFE, MSS, MAI.
Hardware Used: MDN Dual Eccentralizer used. MPD 8 inch profile plate used. MFE, MSS and MAI 0.5 inch standoffs used.
2.71 g/cc Limestone Density Matrix used to calculate porosity.
Sonic porosity calculated using a Limestone scale (47.5 usec/ft).
All intervals logged and scaled per customer's request.
Annular volume with 7 inch production casing = 363 cu. ft.
Total hole volume from TD to Surface Casing= 2187 cu. ft.
Service order: #3534610
Rig: LaMunyon #1
Engineer: L. Scott
Operator(s): J. LaPoint

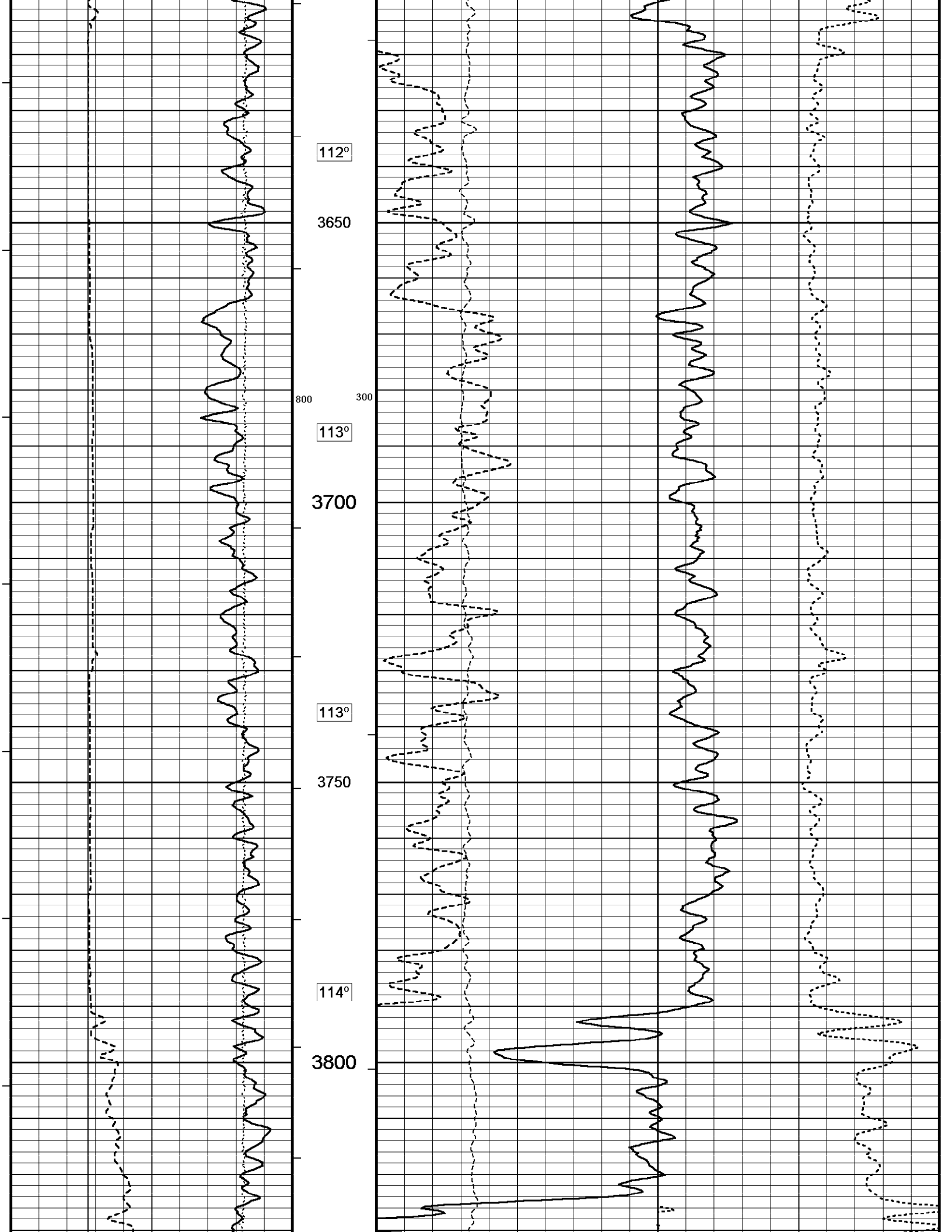
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs,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

Depth Based Data - Maximum Sampling Increment 10.0cm
Plotted on 02-MAR-2012 15:13
Filename: C:\DOCUME~1\E168018\LOCALS~1\Temp\Weatherf...\SandRidge Macy 1-34 SWD_002.dta
Recorded on 21-FEB-2012 10:12
System Versions: Logged with 11.03.4044 Plotted with 12.01.3513




3400
109°
900
3450
110°
3500
111°
3550
Bit Size
Density Caliper
111°
Gamma Ray
DST Uphole Tension
3600
Limestone Density Por.
PE
Density Correction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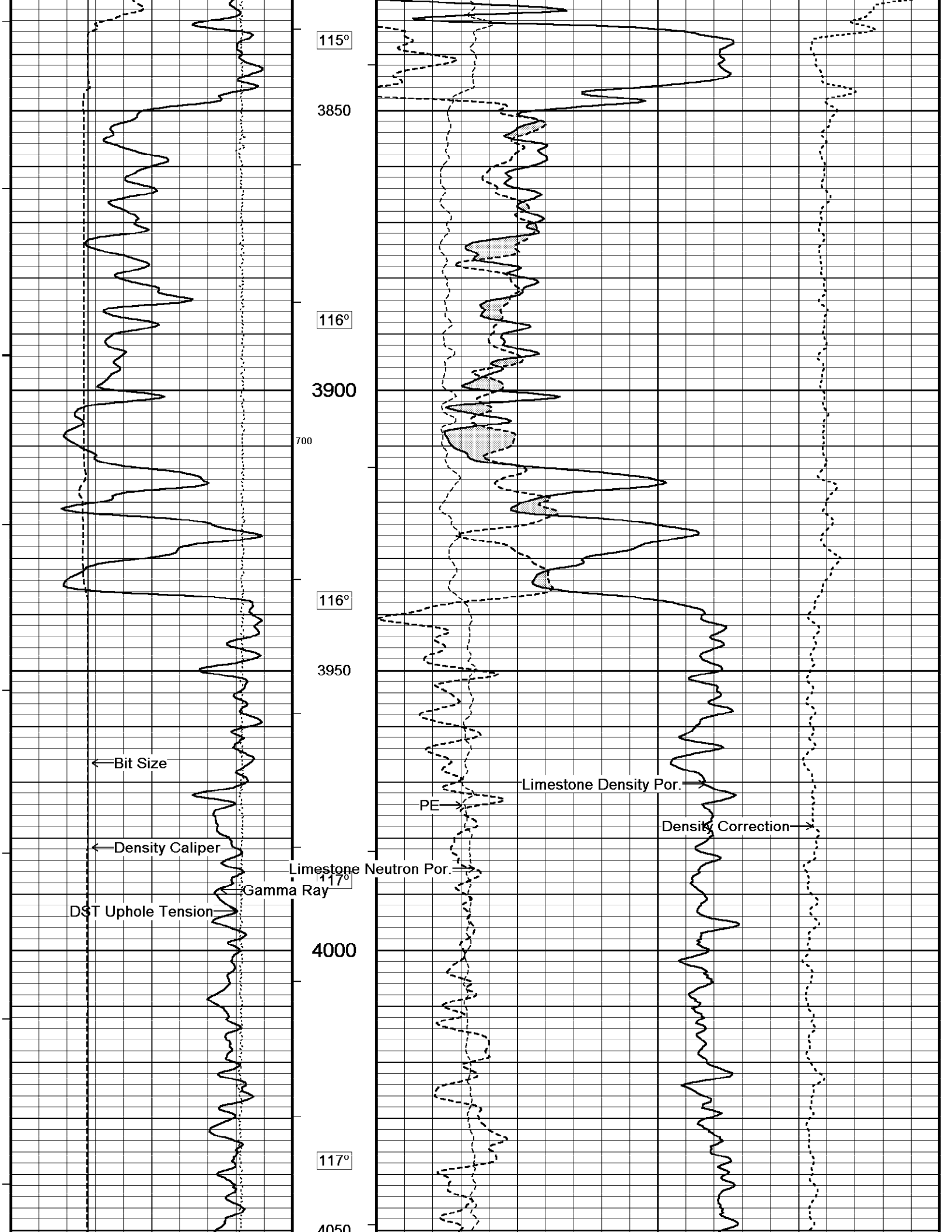
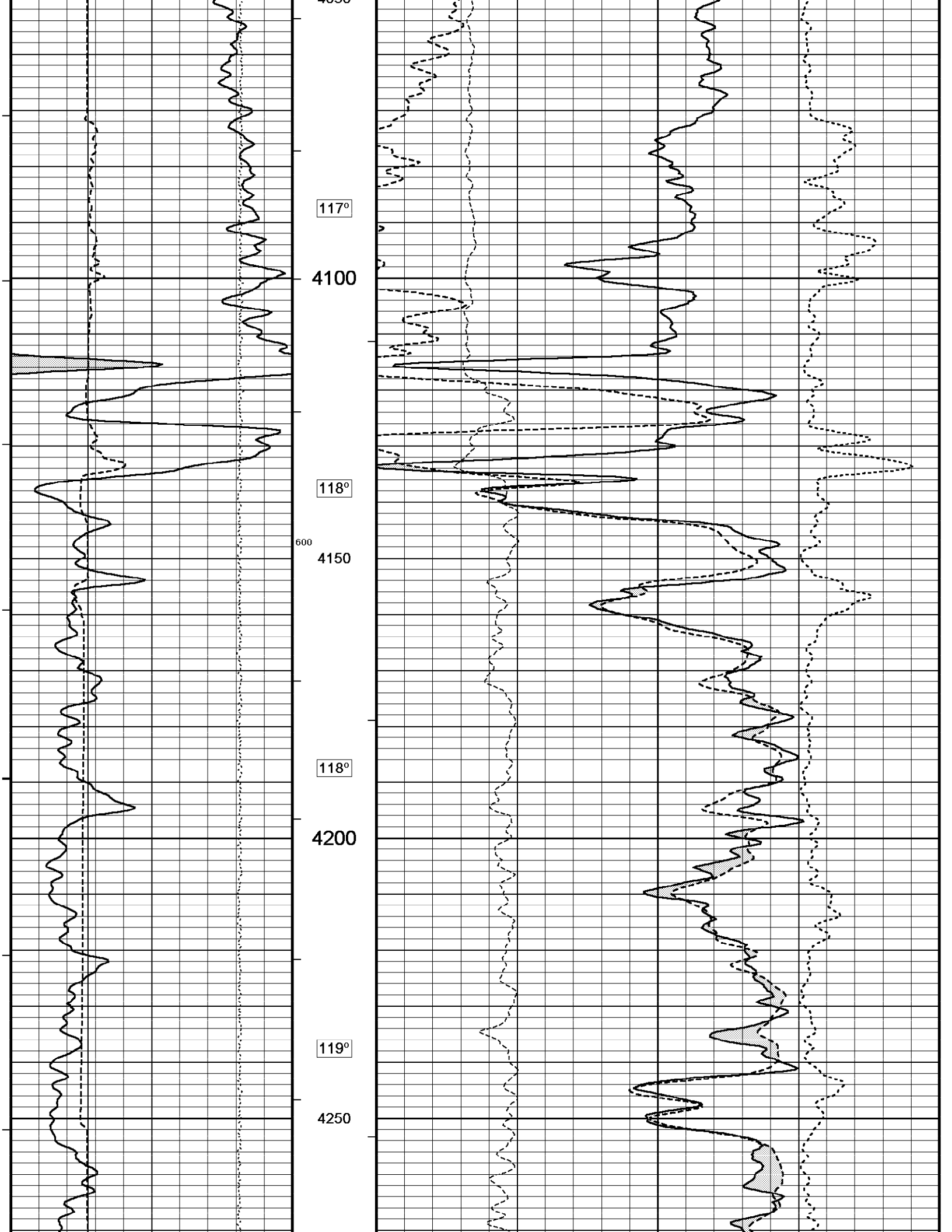
800
300
113°
3700
113°
3750
114°
3800


115°
3850
116°
3900
700
116°
3950
Bit Size
Density Caliper
Gamma Ray
DST Uphole Tension
Limestone Neutron Por.
117°
4000
117°
4050
Limestone Density Por.
PE
Density Correction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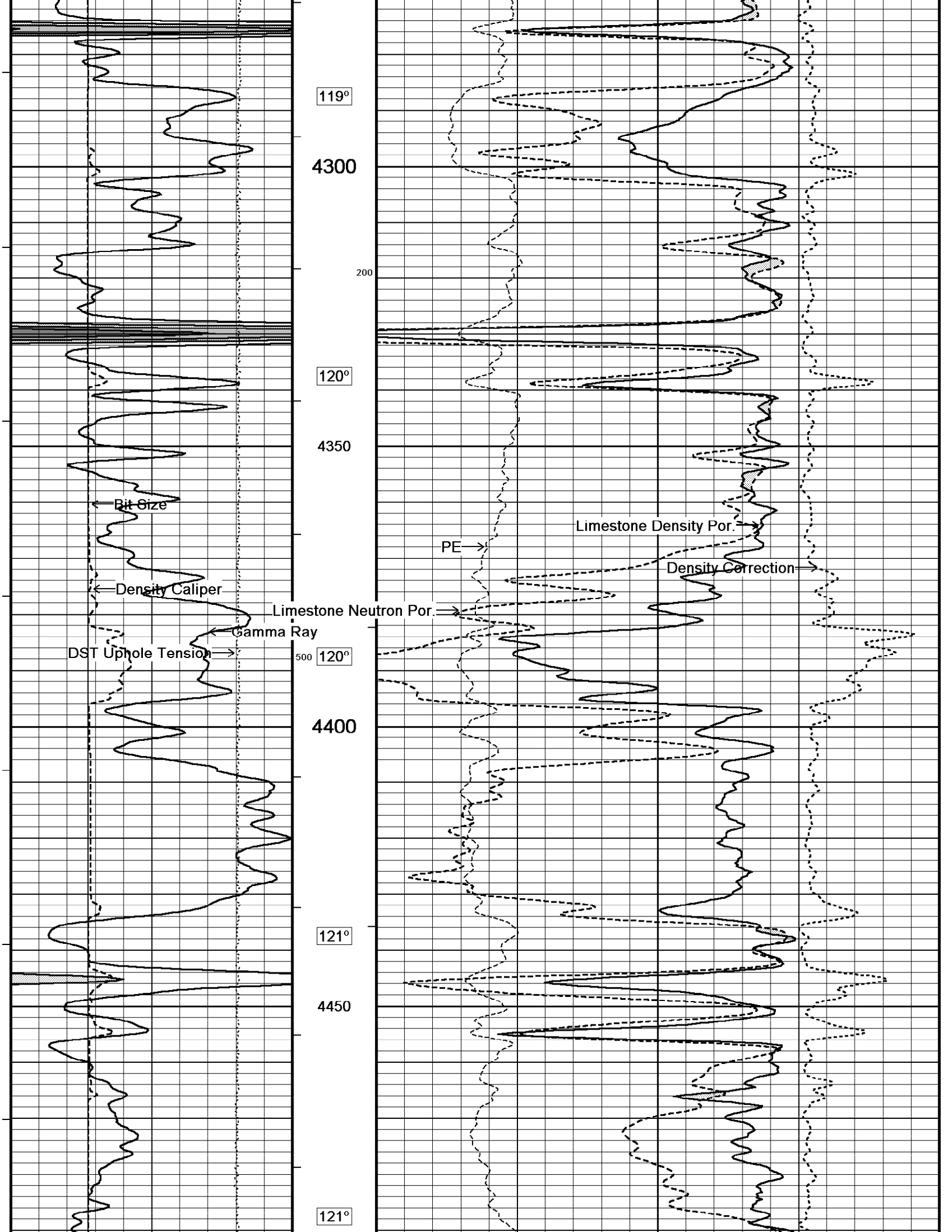
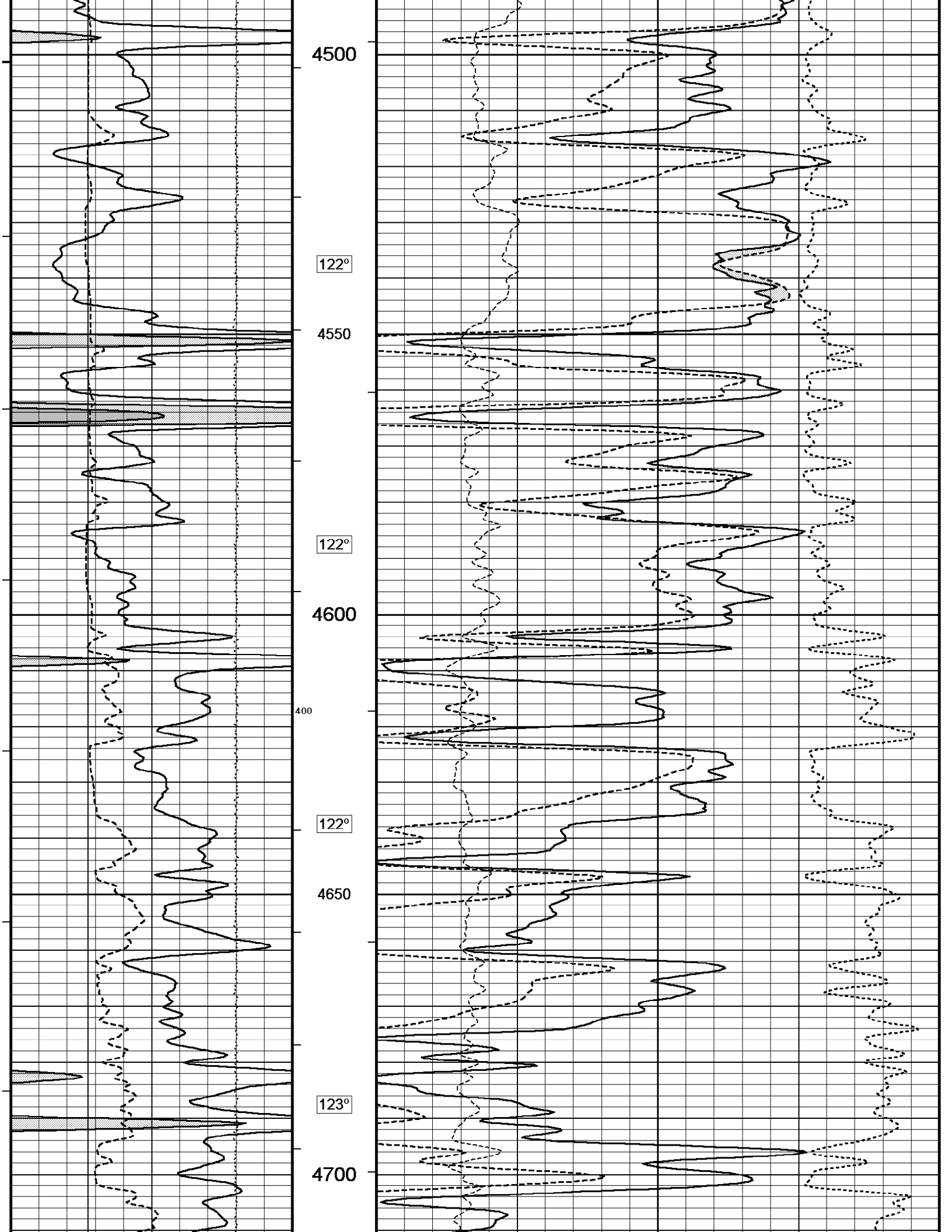
4100
118°
600
4150
118°
4200
119°
4250


119°
4300
200
120°
4350
Bit Size
Limestone Density Por.
PE
Density Correction
Density Caliper
Limestone Neutron Por.
Gamma Ray
DST Uphole Tension
500
120°
4400
121°
4450
121°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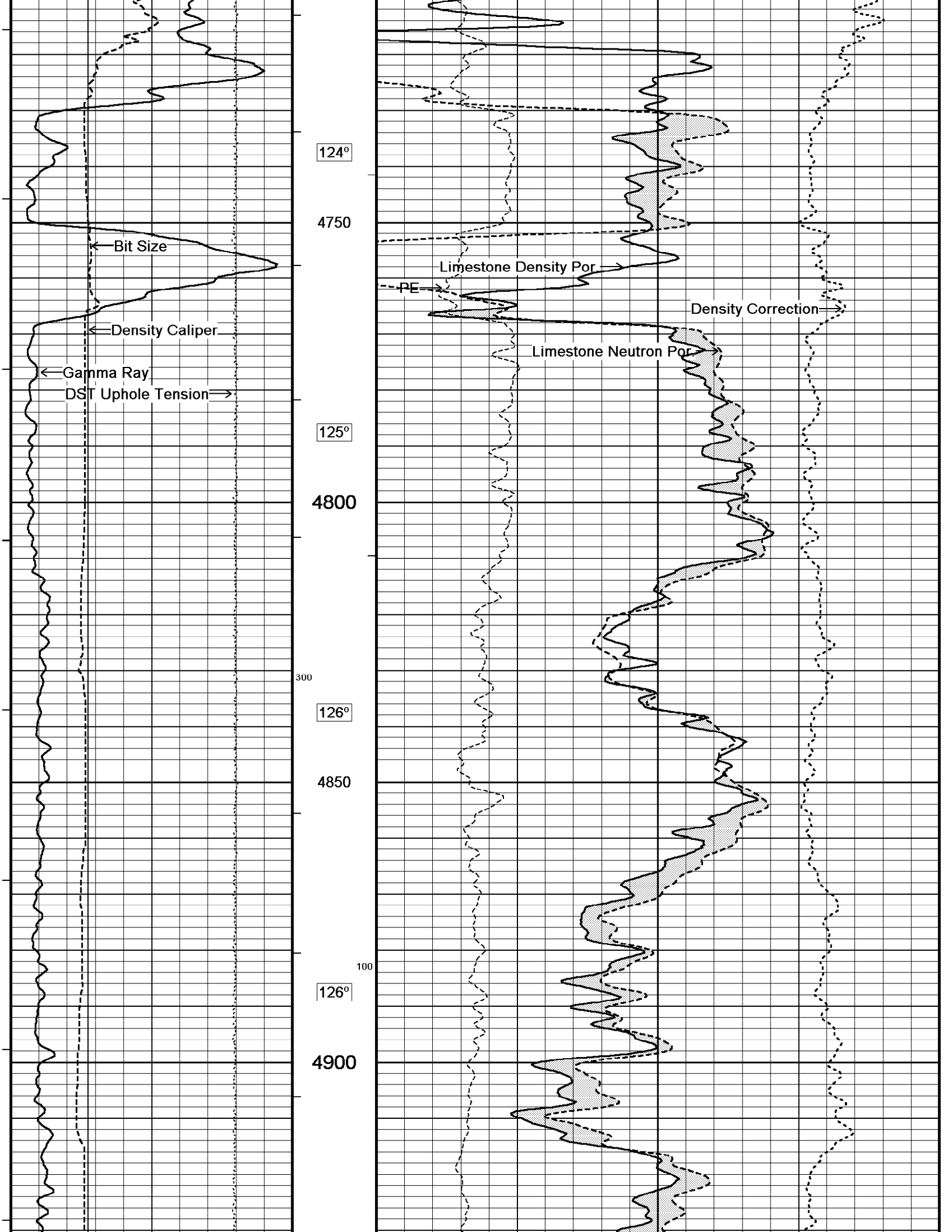
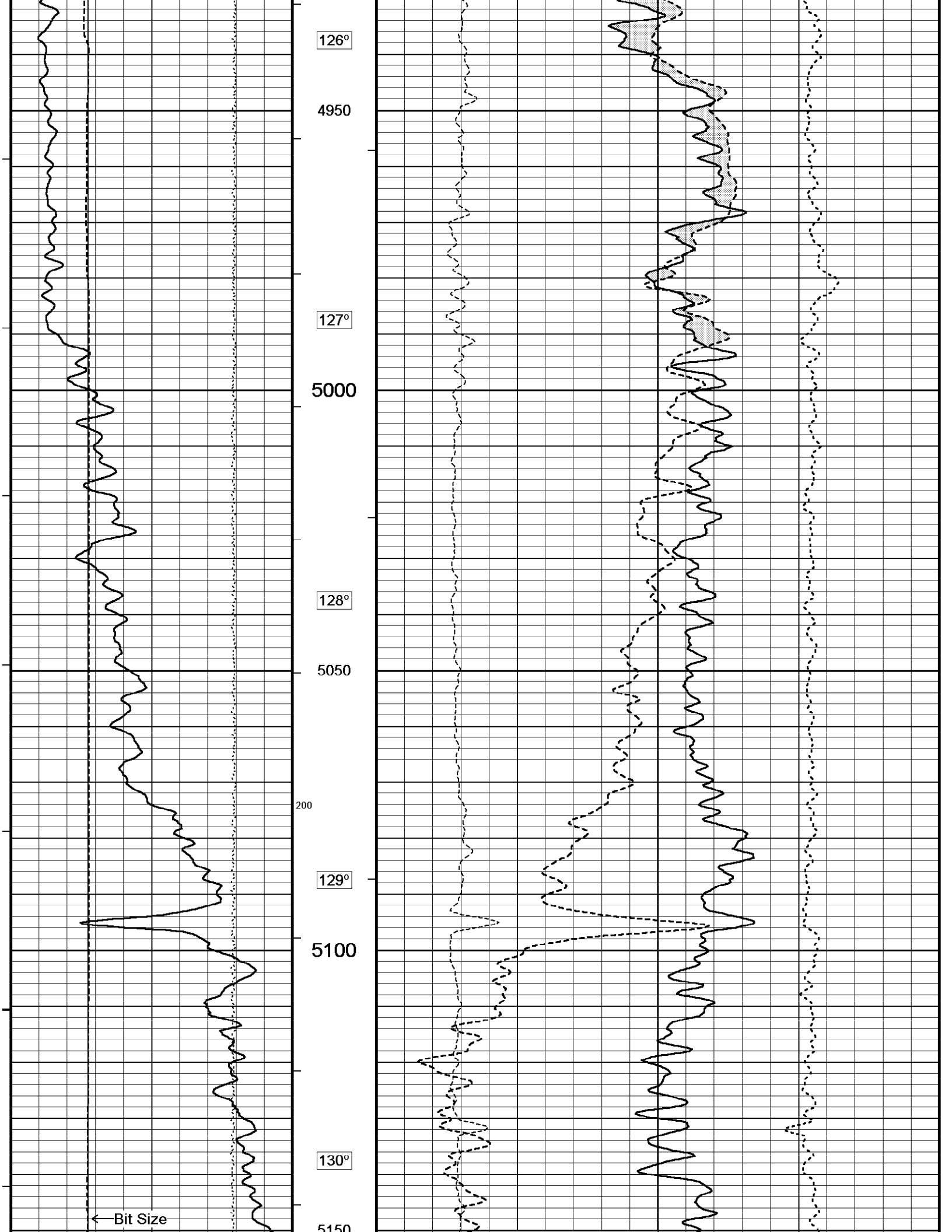
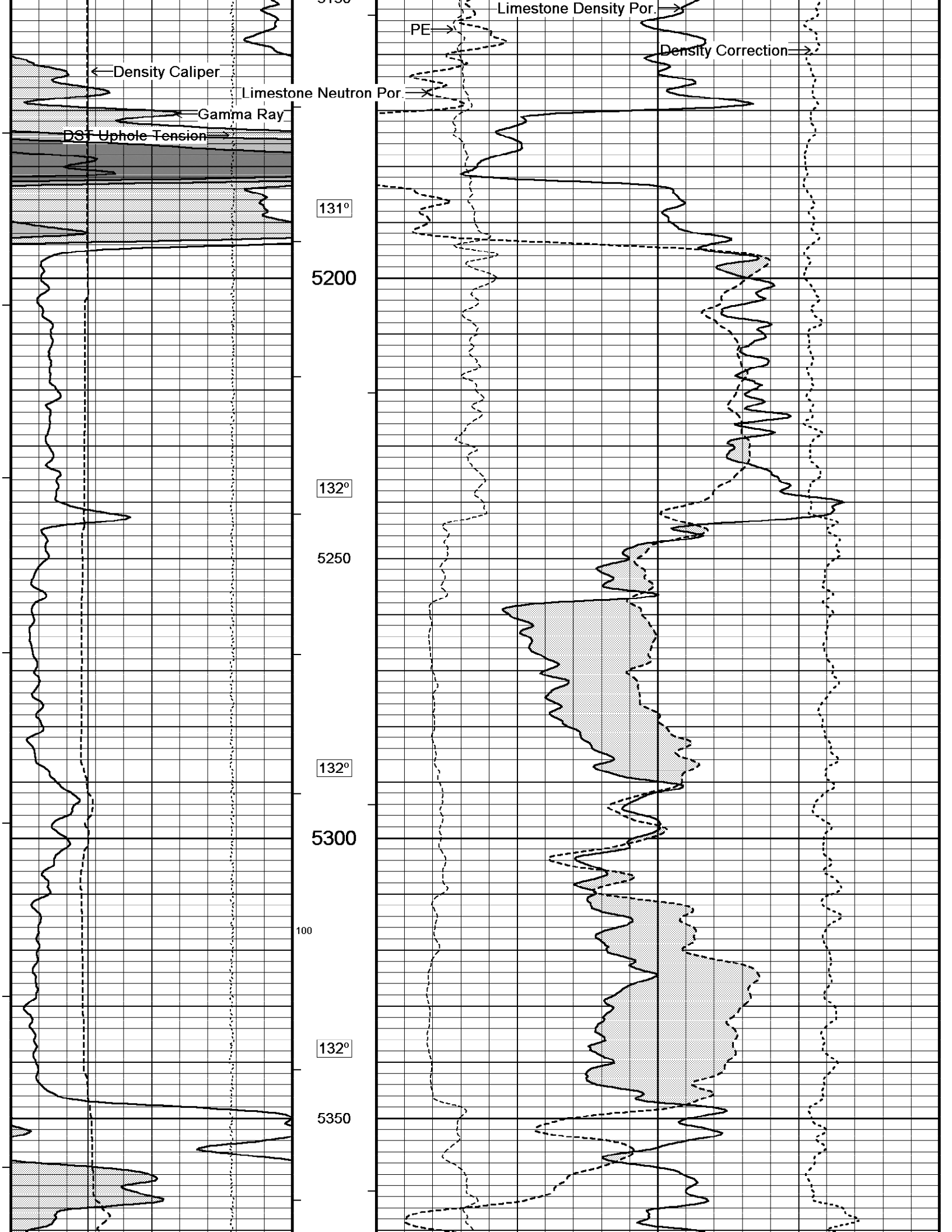
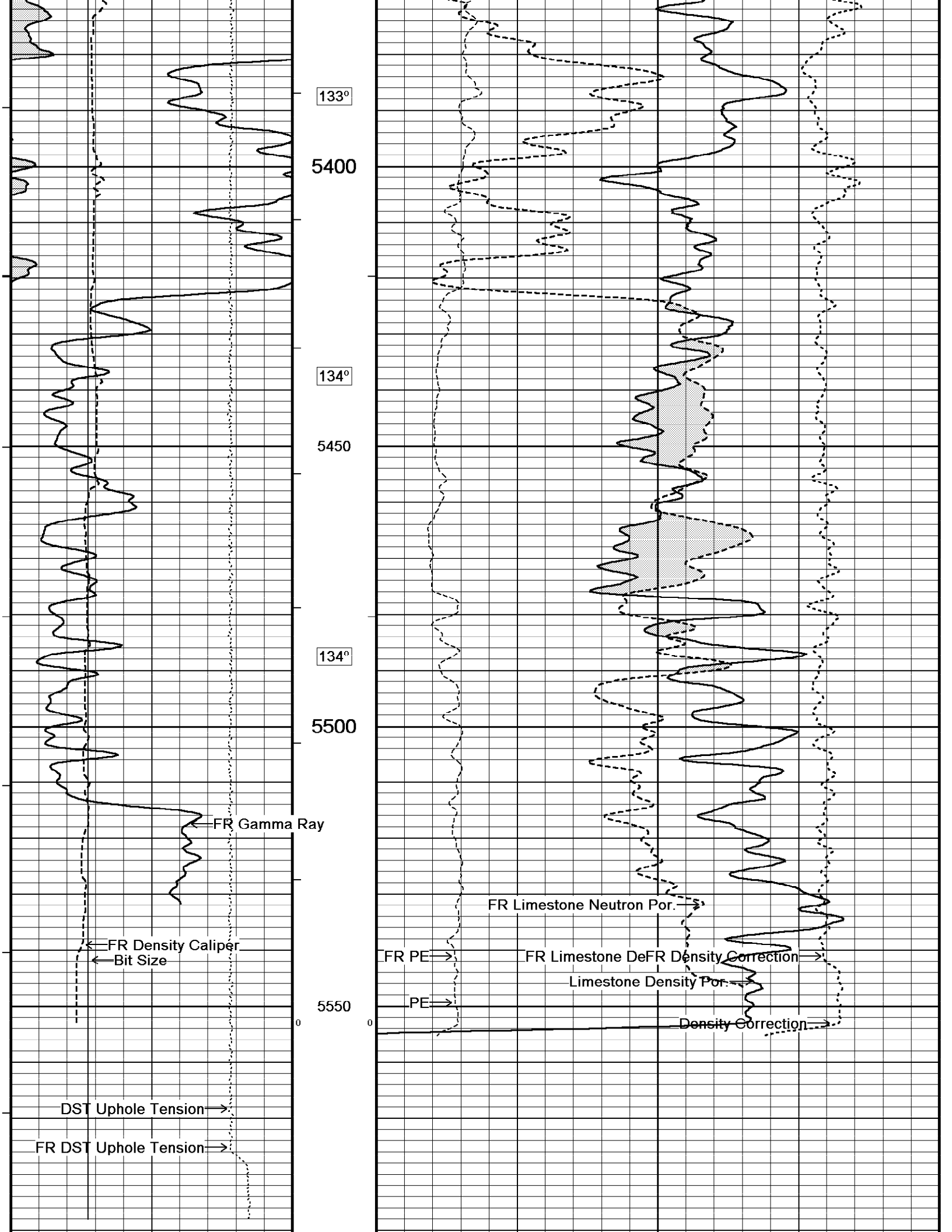
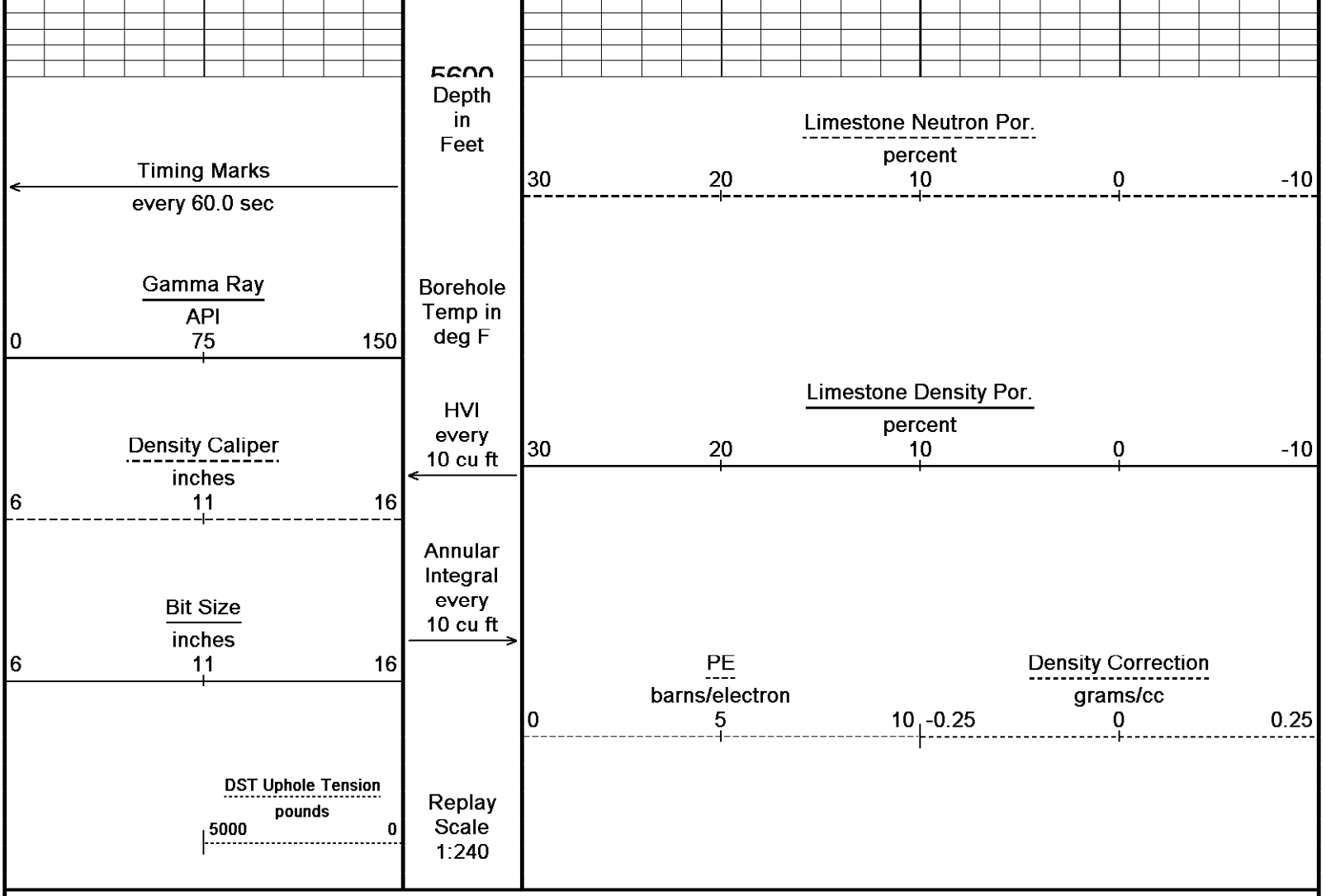
122°
4550
122°
4600
400
122°
4650
123°
4700


Bit Size
Density Caliper
Gamma Ray
DST Uphole Tension
124°
4750
Limestone Density Por
PE
Density Correction
Limestone Neutron Por
125°
4800
300
126°
4850
100
126°
4900


126°
4950
127°
5000
128°
5050
200
129°
5100
130°
5150
←Bit Size


Limestone Density Por.
PE
Density Correction
Density Caliper
Limestone Neutron Por.
Gamma Ray
DST Uphole Tension
131°
5200
132°
5250
132°
5300
100
132°
5350


133°
5400
134°
5450
134°
5500
5550
FR Gamma Ray
FR Density Caliper
Bit Size
DST Uphole Tension
FR DST Uphole Tension
FR Limestone Neutron Por.
FR PE
FR Limestone DeFR Density Correction
Limestone Density Por.
PE
Density Correction
0
0



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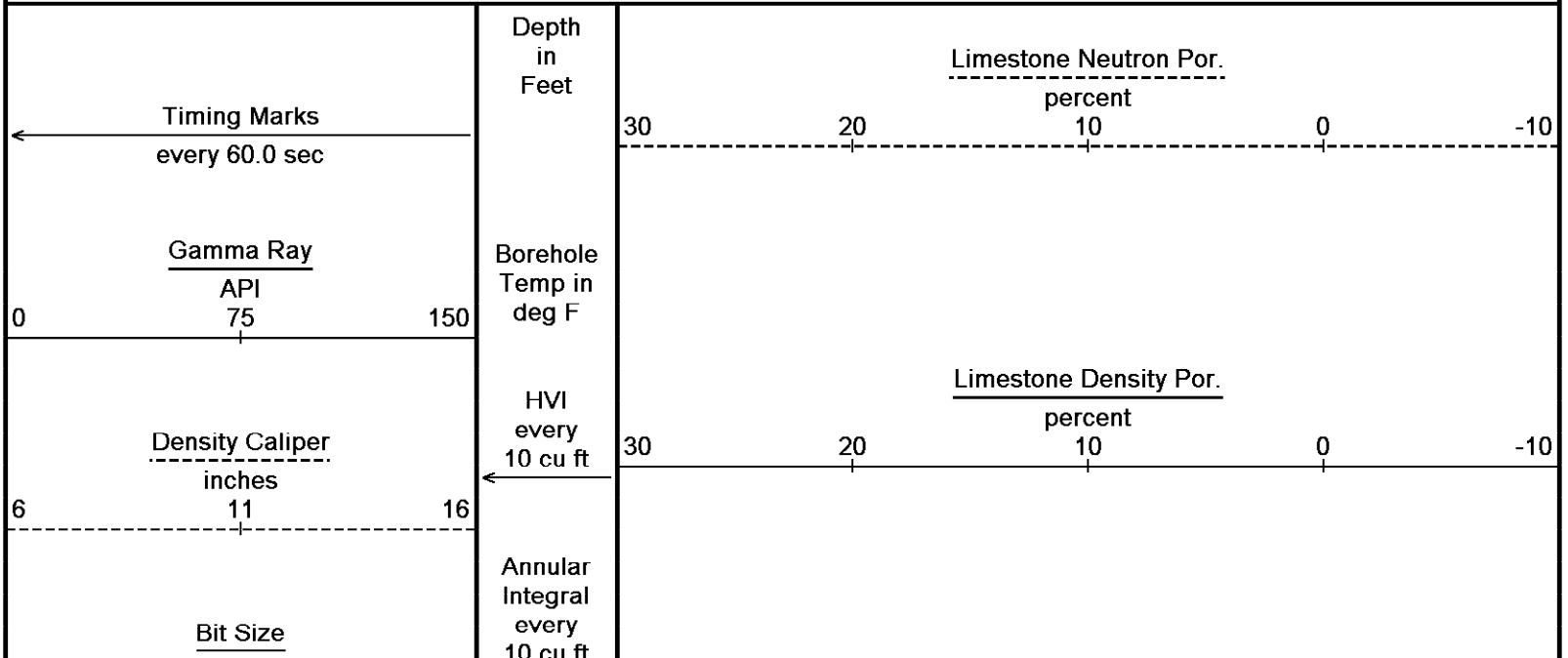
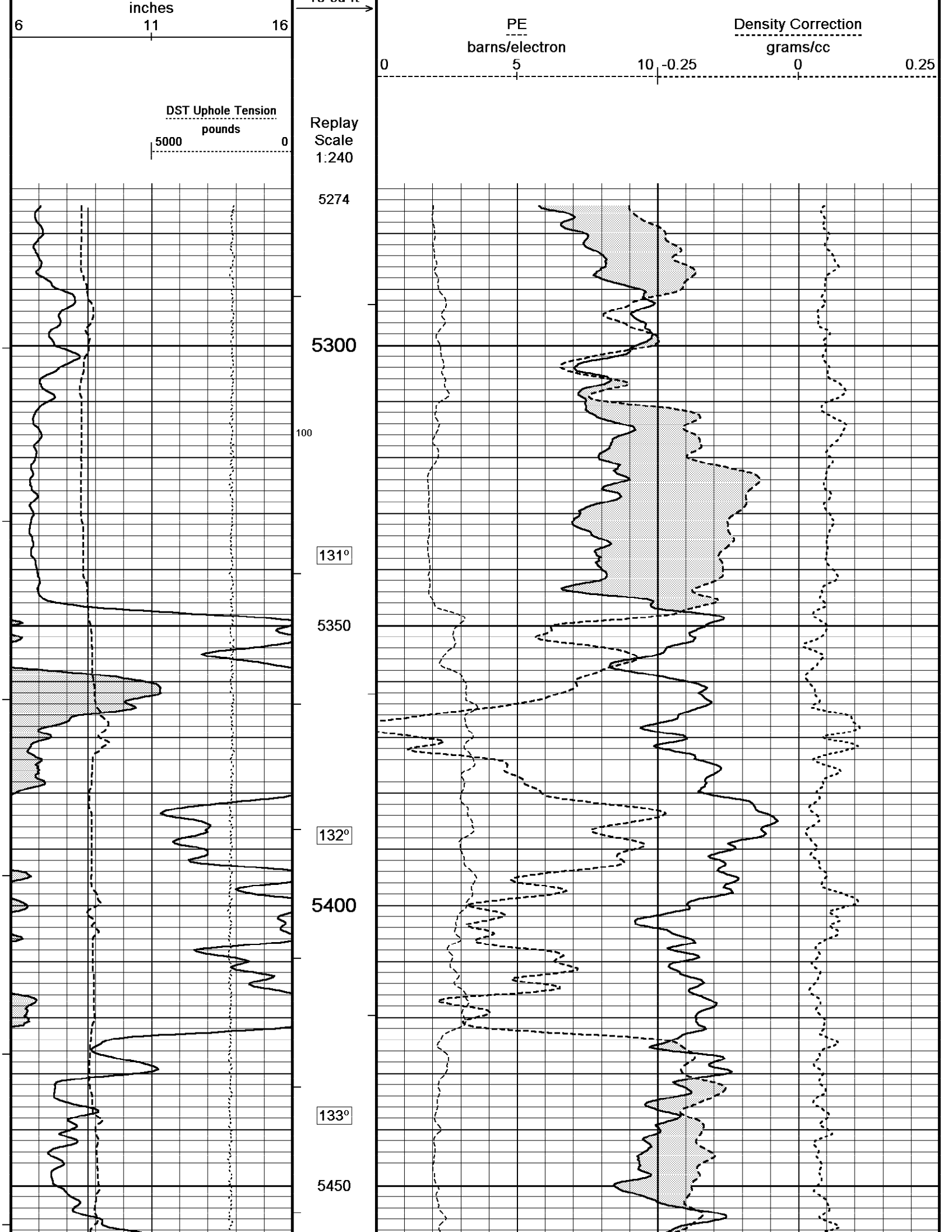
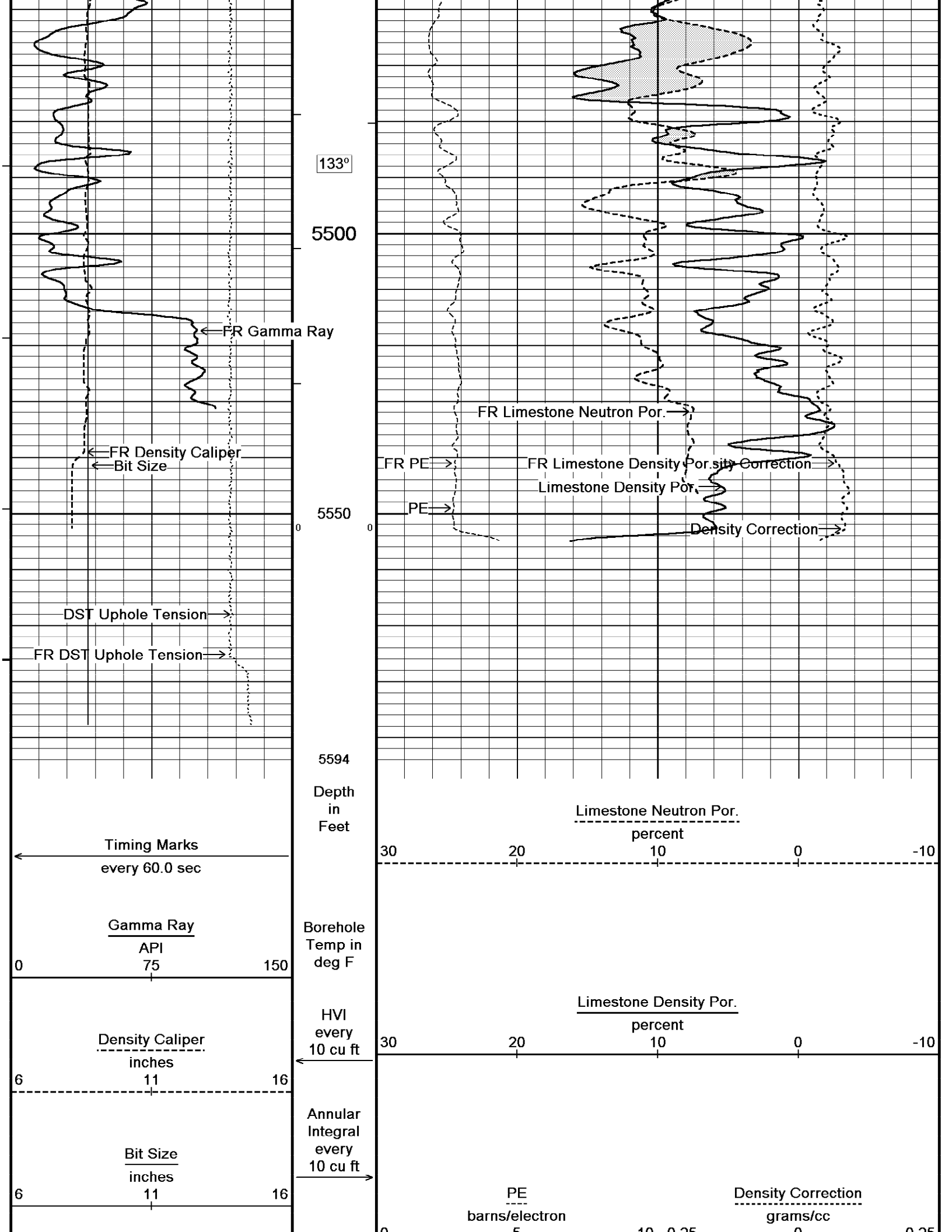
5 INCH MAIN PASS

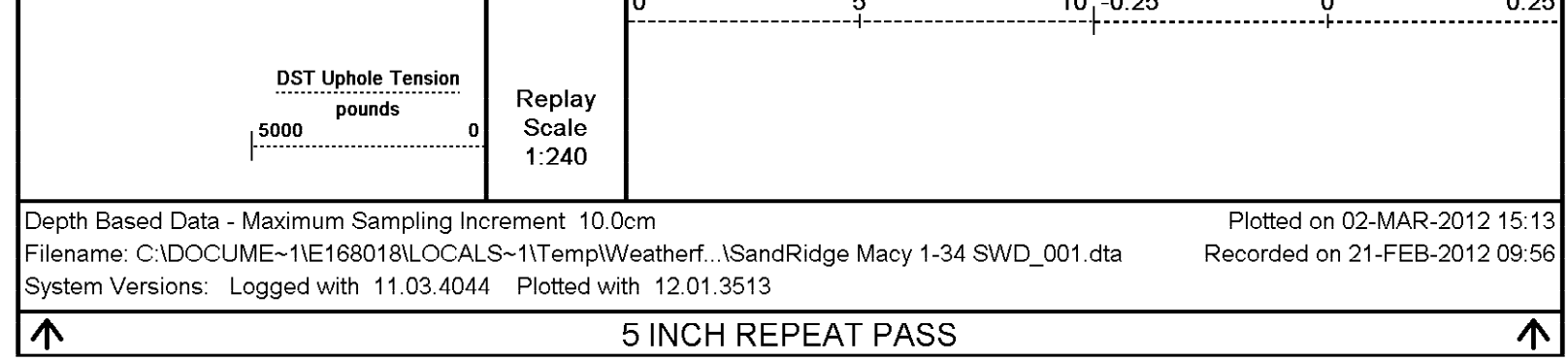
5 INCH REPEAT PASS

Depth Based Data - Maximum Sampling Increment 10.0cm — Plotted on 02-MAR-2012 15:13
Filename: C:\DOCUME~1\E168018\LOCALS~1\Temp\Weatherf...\SandRidge Macy 1-34 SWD_001.dta — Recorded on 21-FEB-2012 09:56
System Versions: Logged with 11.03.4044 Plotted with 12.01.3513




inches
6
11
16
DST Uphole Tension
pounds
5000
0
Replay
Scale
1:240
PE
barns/electron
0
5
10
Density Correction
grams/cc
-0.25
0
0.25
5274
5300
100
131°
5350
132°
5400
133°
5450


133°
5500
5550
5594
FR Gamma Ray
FR Density Caliper
Bit Size
DST Uphole Tension
FR DST Uphole Tension
FR Limestone Neutron Por.
FR PE
FR Limestone Density Por.sity Correction
Limestone Density Por.
PE
Density Correction
0
0
Depth in Feet
Timing Marks
every 60.0 sec
Limestone Neutron Por.
percent
30
20
10
0
-10
Gamma Ray
API
0
75
150
Borehole Temp in deg F
Limestone Density Por.
percent
30
20
10
0
-10
HVI every 10 cu ft
Density Caliper
inches
6
11
16
Annular Integral every 10 cu ft
Bit Size
inches
6
11
16
PE
barns/electron
Density Correction
grams/cc
0.25
0



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5 INCH REPEAT PASS

5 INCH MAIN PASS

Depth Based Data - Maximum Sampling Increment 10.0cm — Plotted on 02-MAR-2012 15:13
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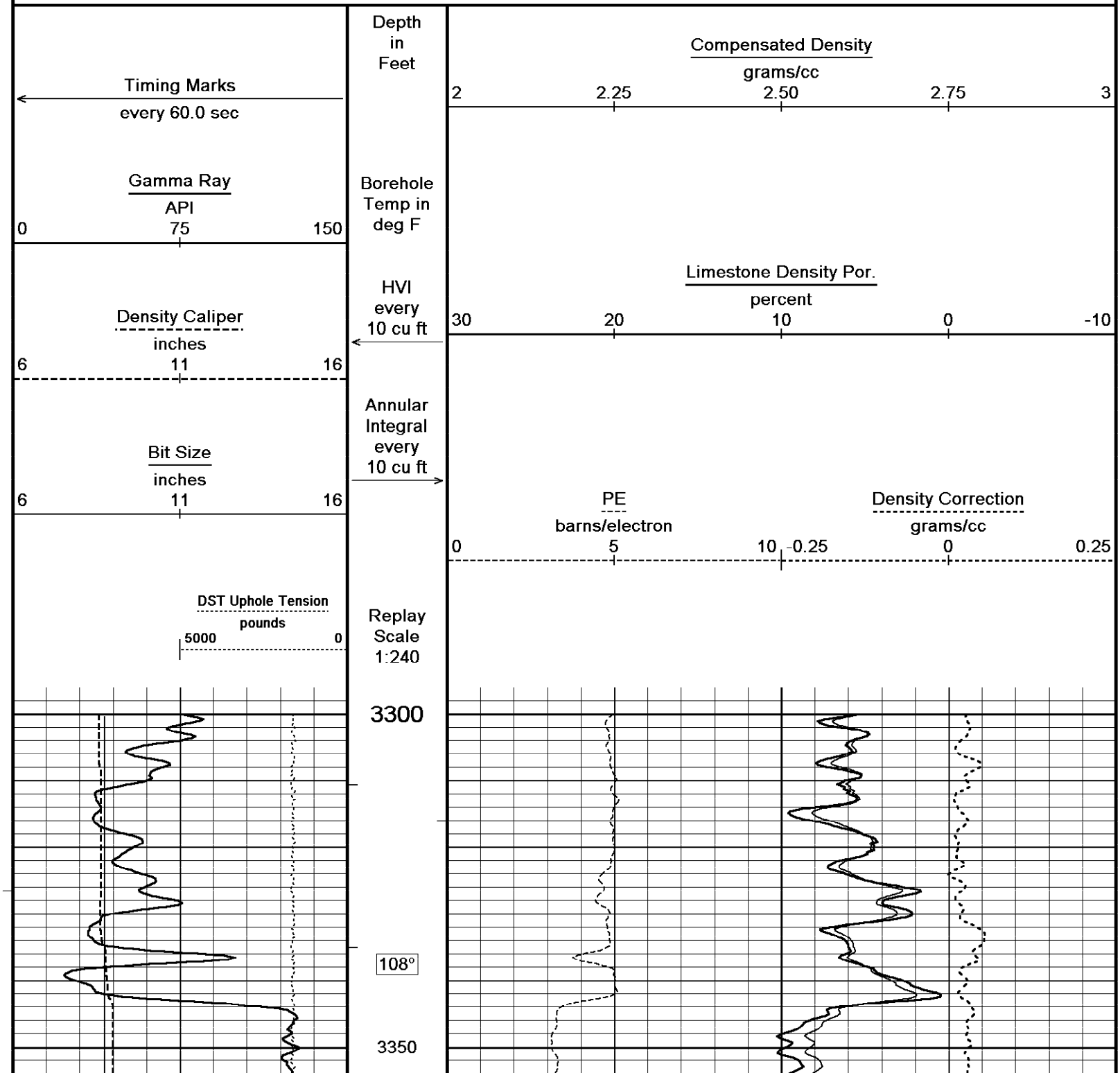
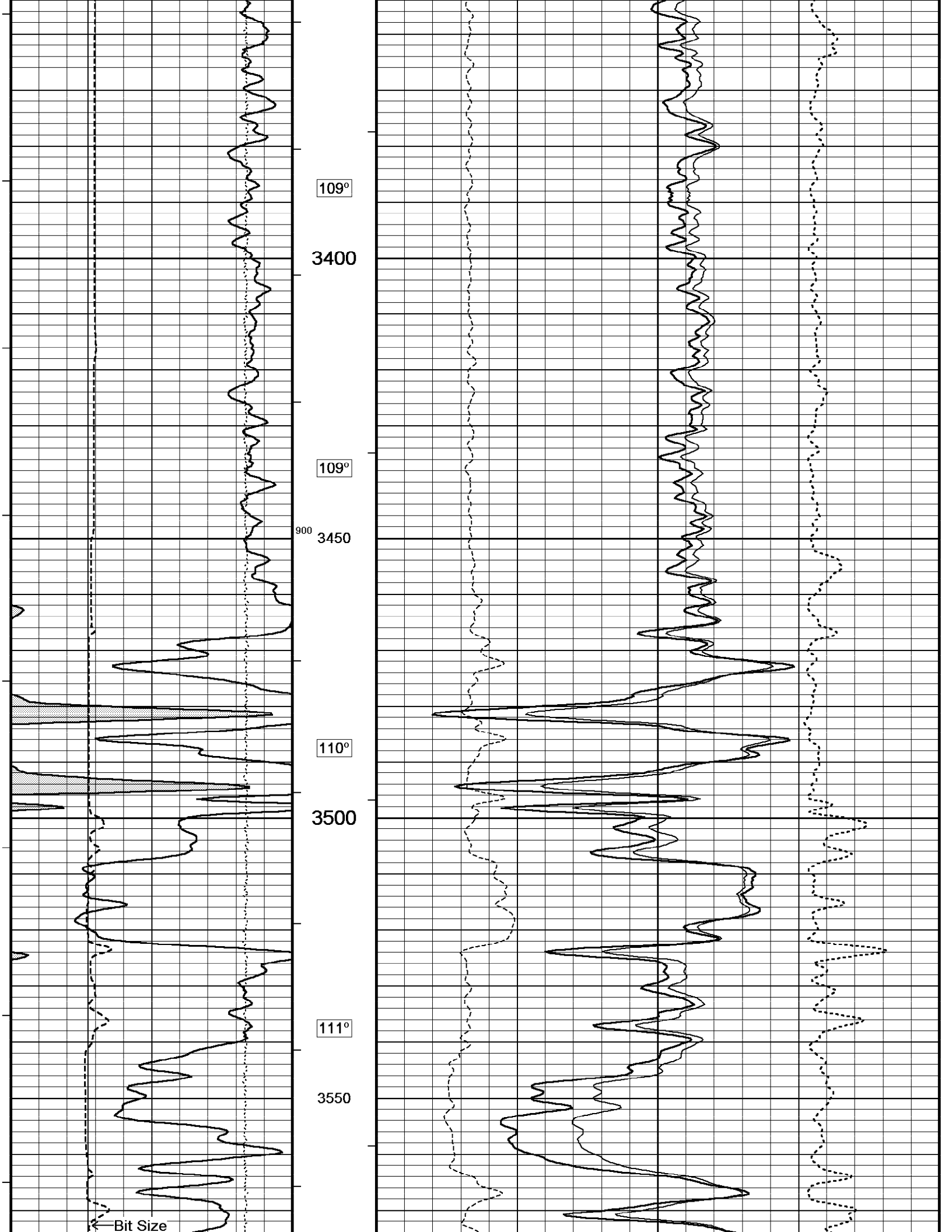
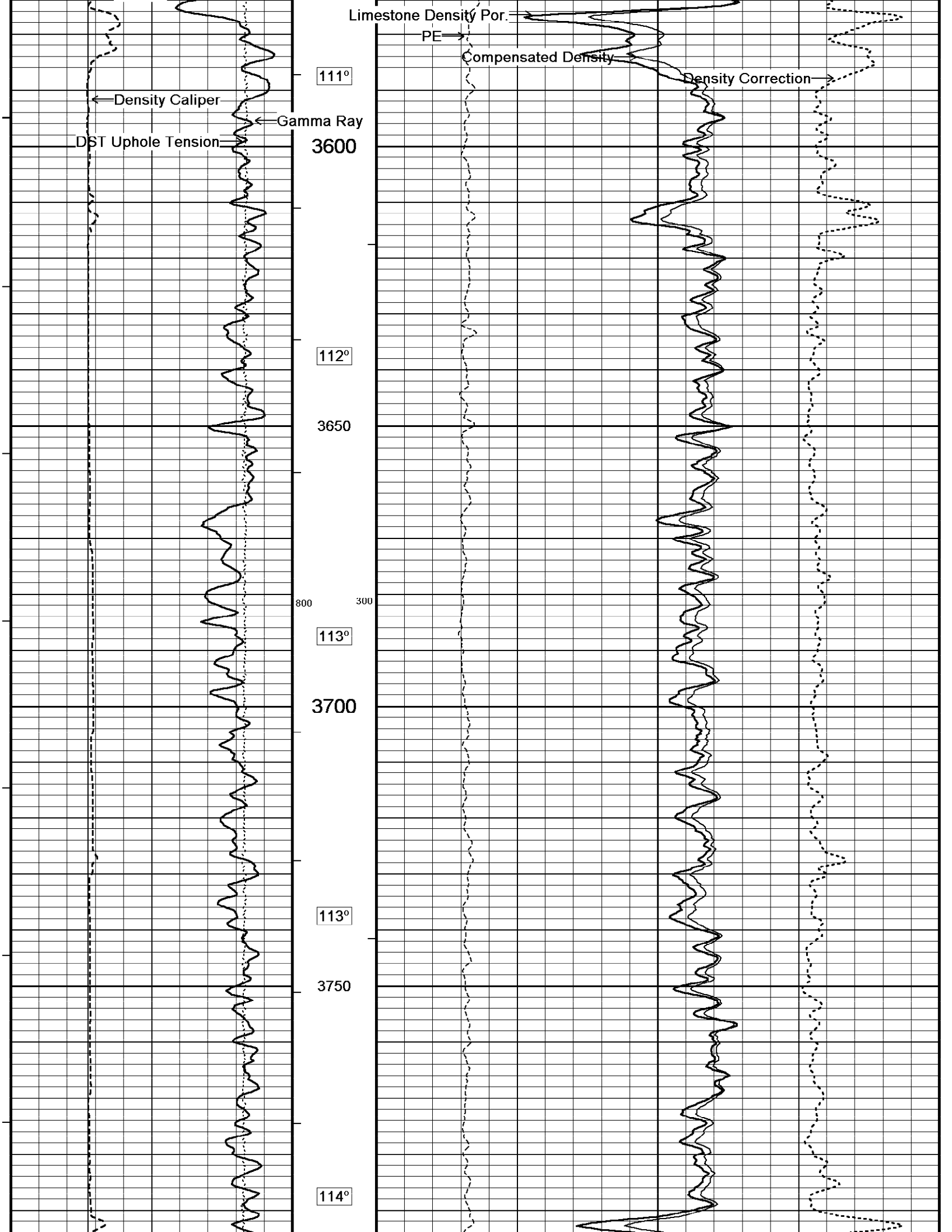
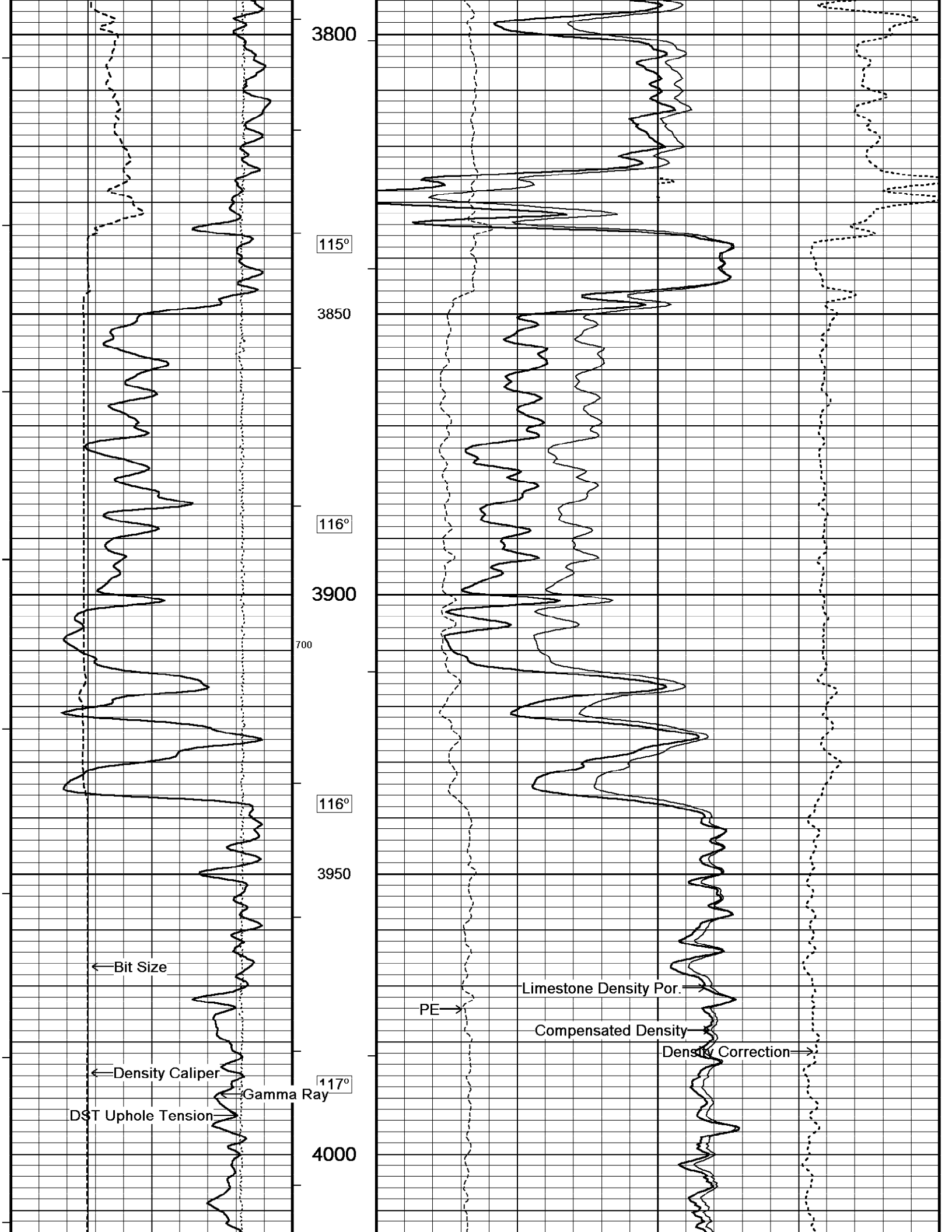
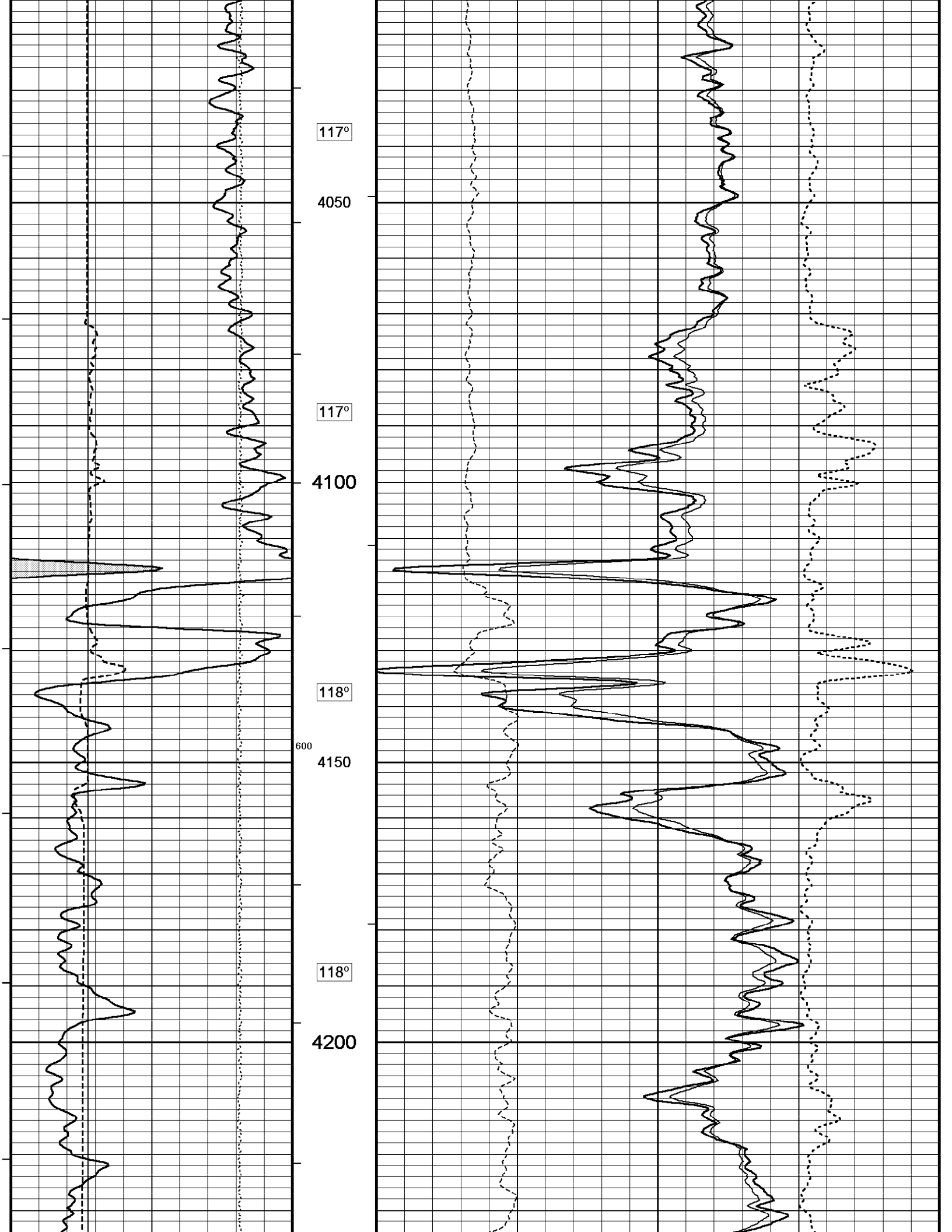
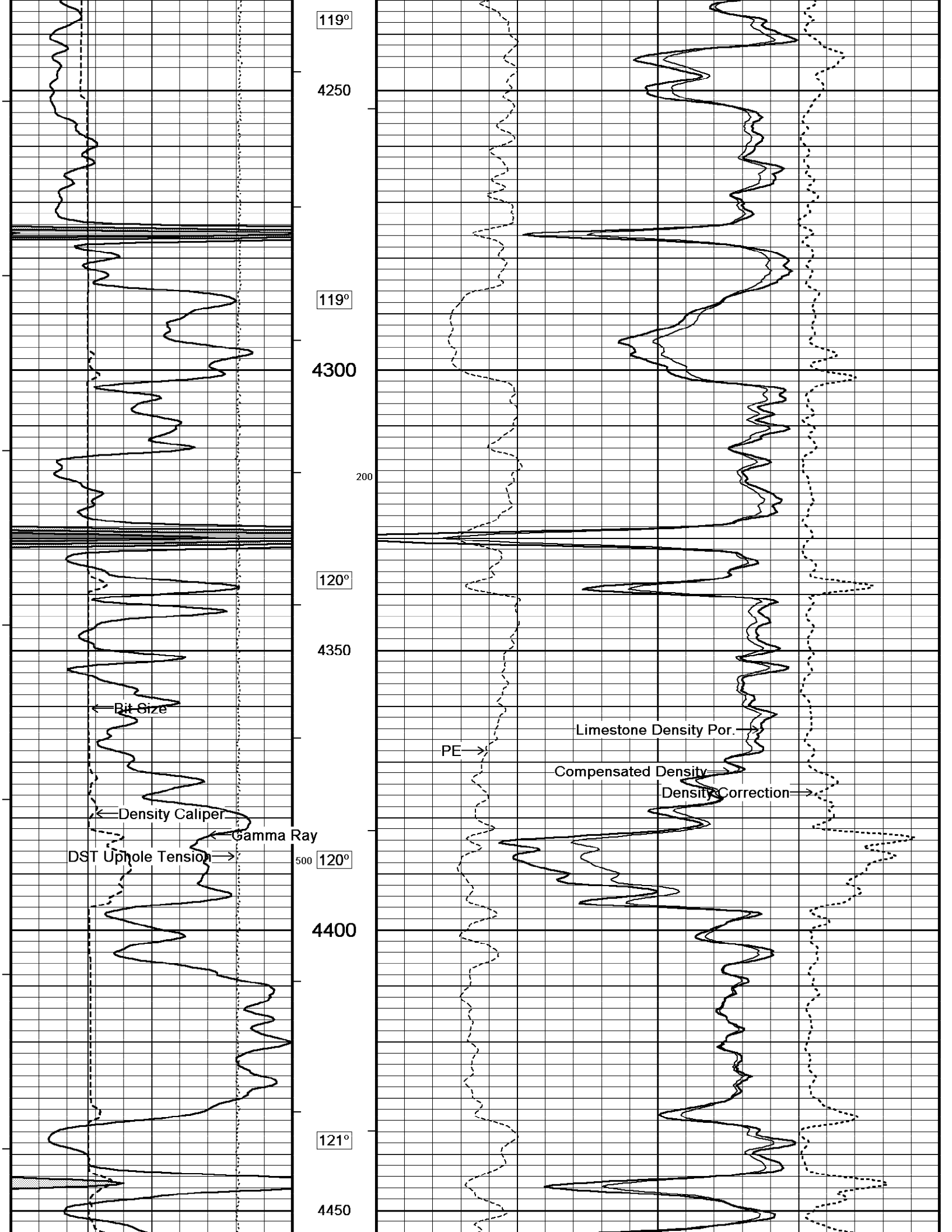


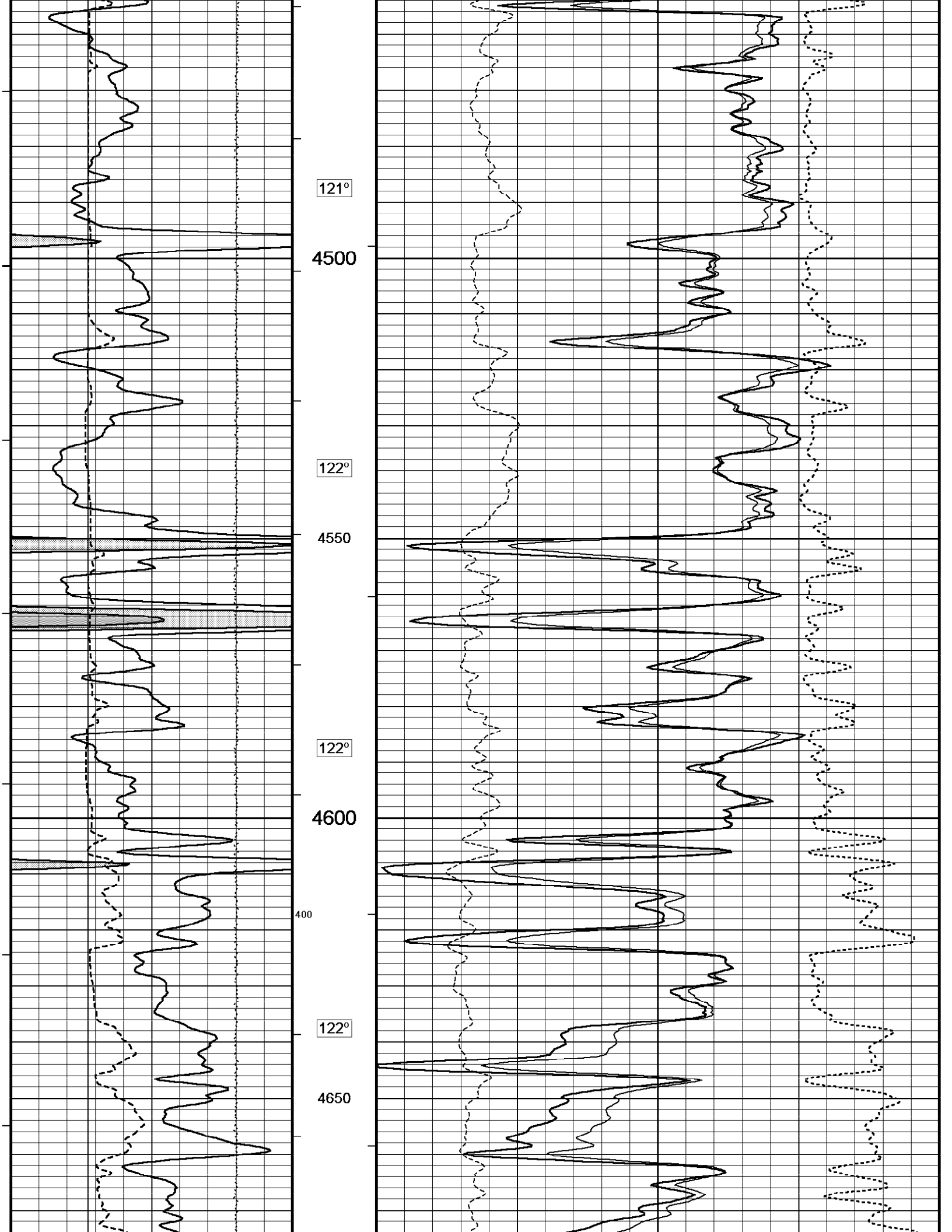

109°
3400
109°
900
3450
110°
3500
111°
3550
Bit Size


Limestone Density Por.
PE
Compensated Density
Density Correction
Density Caliper
Gamma Ray
DST Uphole Tension
111°
3600
112°
3650
800
300
113°
3700
113°
3750
114°


3800
115°
3850
116°
3900
700
116°
3950
Bit Size
Density Caliper
Gamma Ray
DST Uphole Tension
117°
4000
PE
Limestone Density Por.
Compensated Density
Density Correction


117°
4050
117°
4100
118°
600
4150
118°
4200


119°
4250
119°
4300
200
120°
4350
Bit Size
Density Caliper
Gamma Ray
DST Uphole Tension
500
120°
4400
121°
4450
PE
Limestone Density Por.
Compensated Density
Density Correction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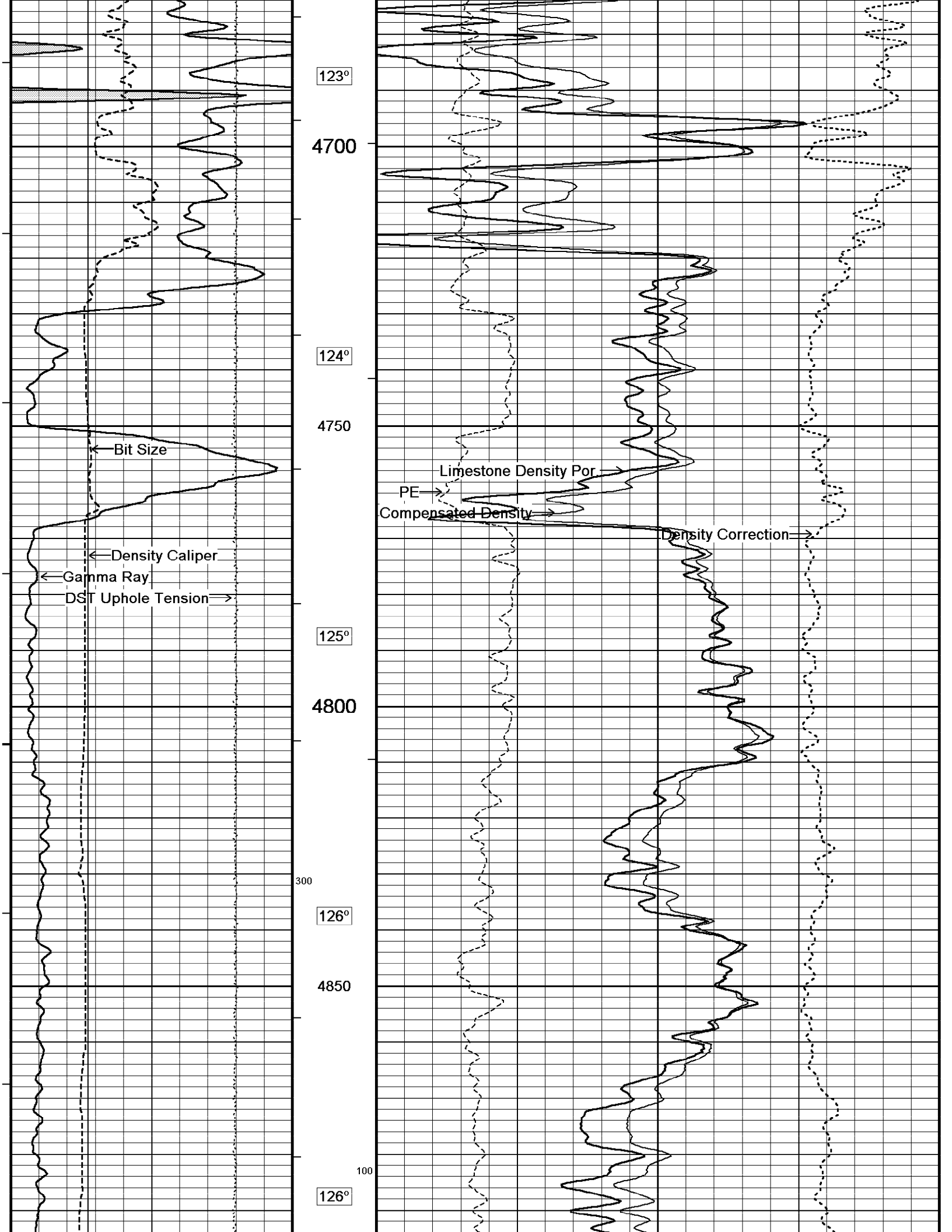
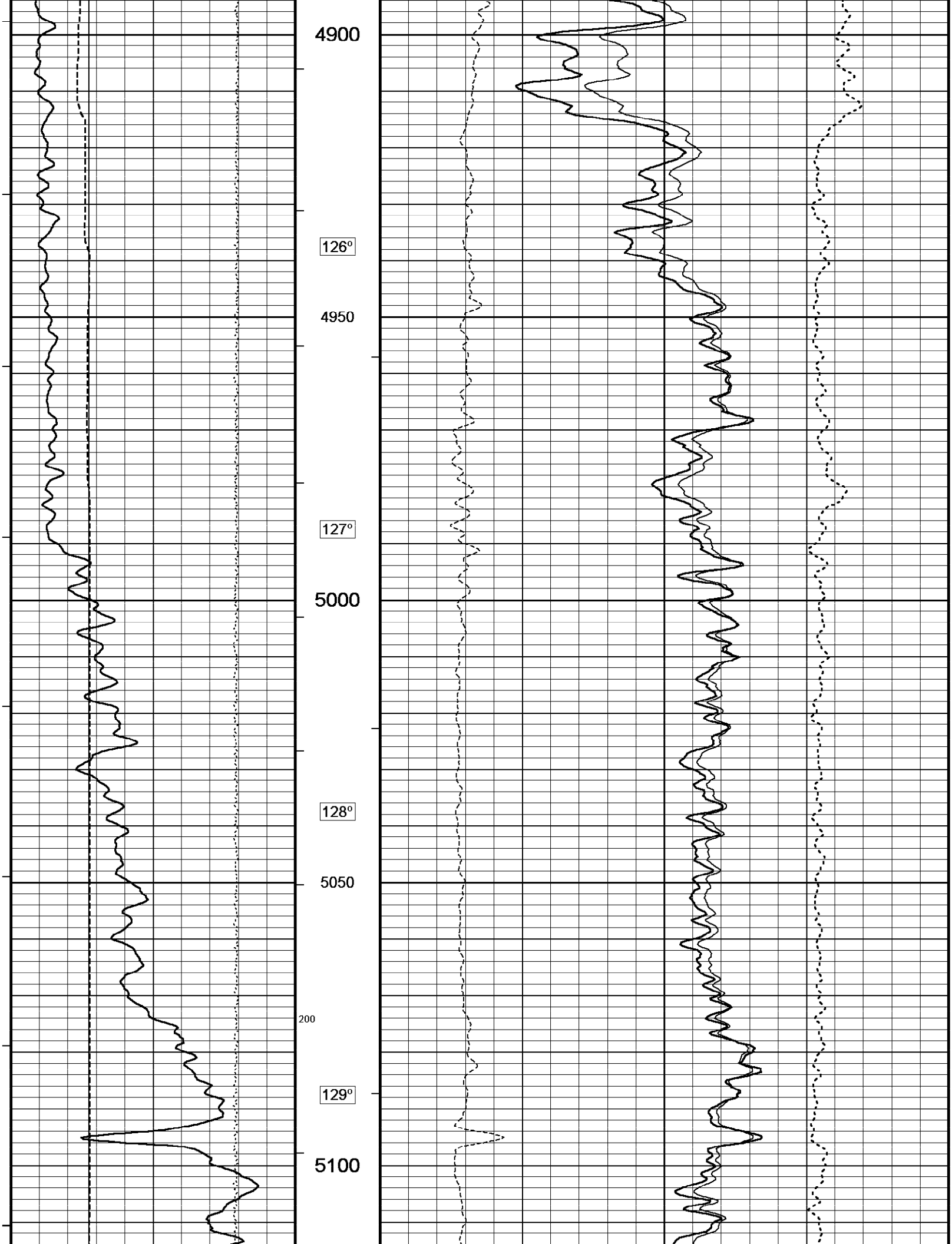
122°
4550
122°
4600
400
122°
4650


123°
4700
124°
4750
Bit Size
Limestone Density Por
PE
Compensated Density
Density Correction
Density Caliper
Gamma Ray
DST Uphole Tension
125°
4800
300
126°
4850
100
126°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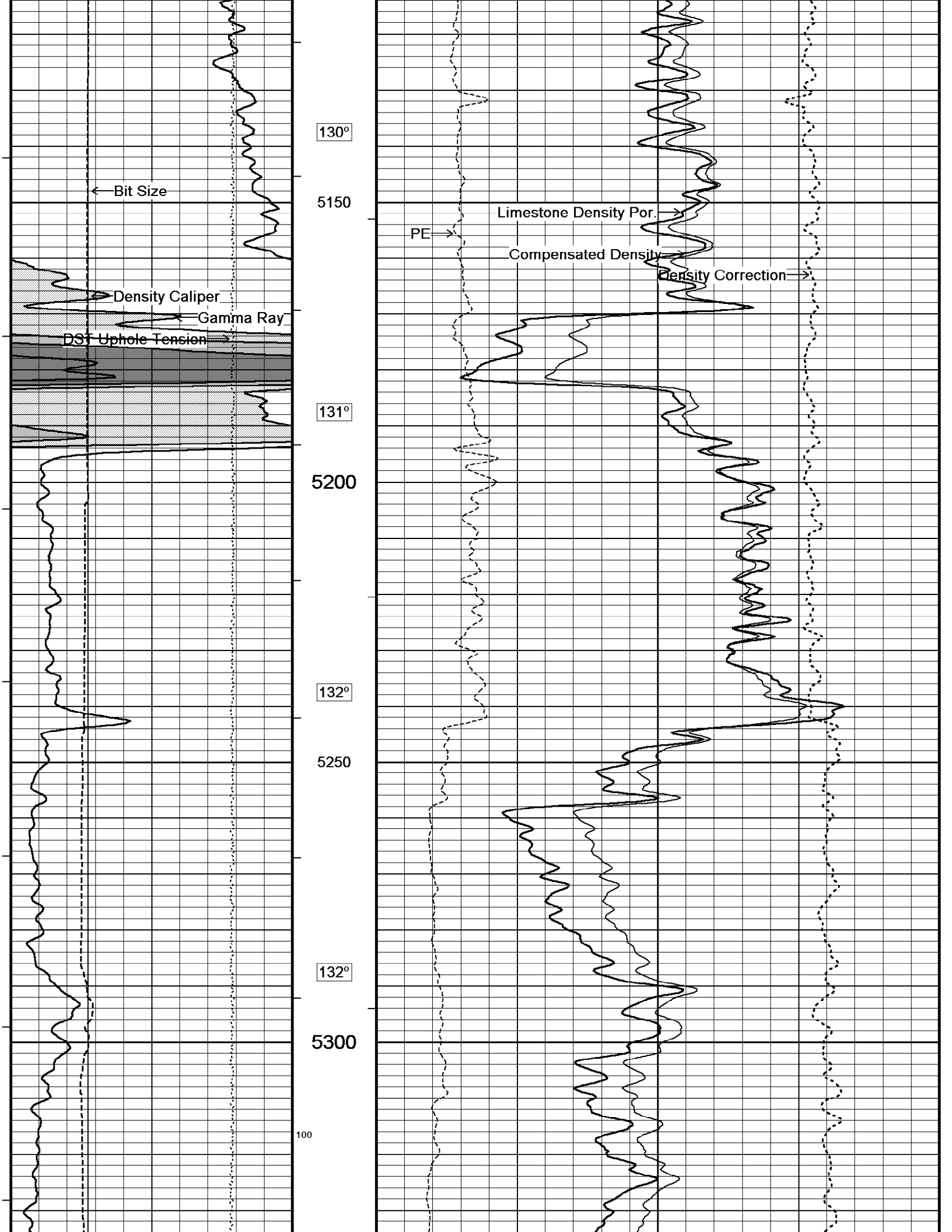
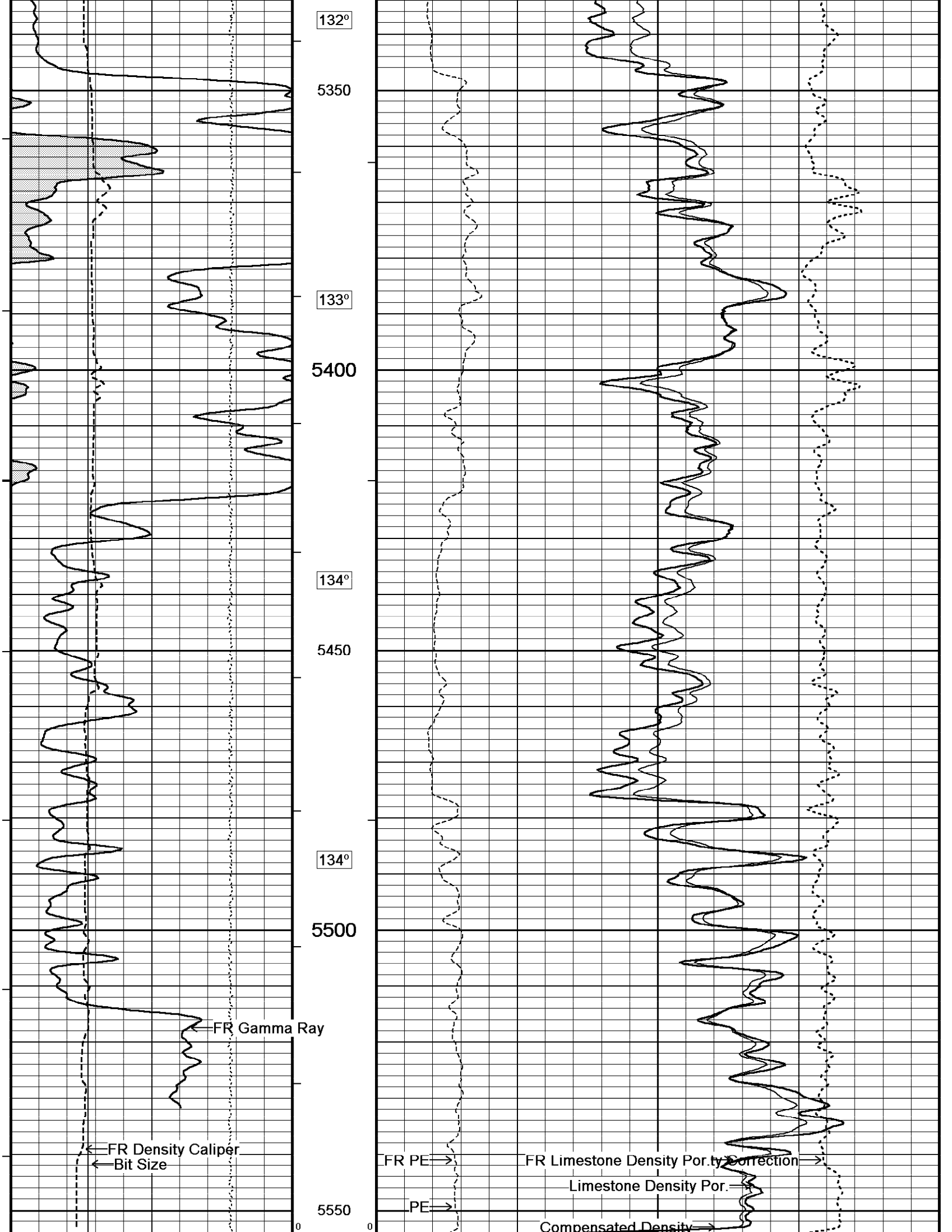
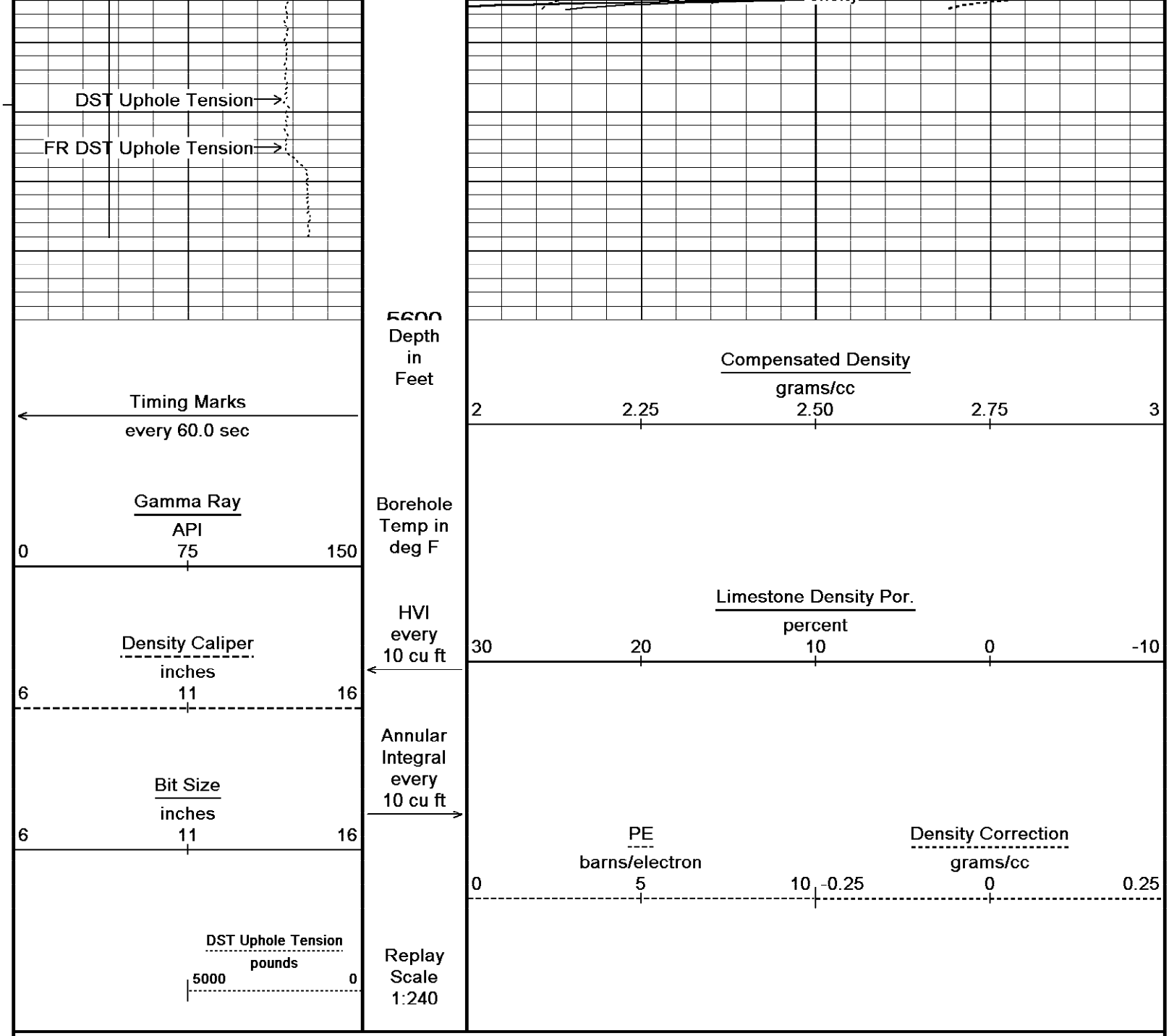
126°
4950
127°
5000
128°
5050
200
129°
5100


Bit Size
Density Caliper
Gamma Ray
DST Uphole Tension
PE
Limestone Density Por.
Compensated Density
Density Correction
130°
131°
132°
132°
5150
5200
5250
5300
100


132°
5350
133°
5400
134°
5450
134°
5500
5550
FR Gamma Ray
FR Density Caliper
Bit Size
FR PE
PE
FR Limestone Density Por.ty Correction
Limestone Density Por.
Compensated Density
0
0



Depth Based Data - Maximum Sampling Increment 10.0cm — Plotted on 02-MAR-2012 15:13
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5 INCH MAIN PASS

5 INCH REPEAT PASS

Depth Based Data - Maximum Sampling Increment 10.0cm — Plotted on 02-MAR-2012 15:13
Filename: C:\DOCUME~1\E168018\LOCALS~1\Temp\Weatherf...\SandRidge Macy 1-34 SWD_001.dta — Recorded on 21-FEB-2012 09:56
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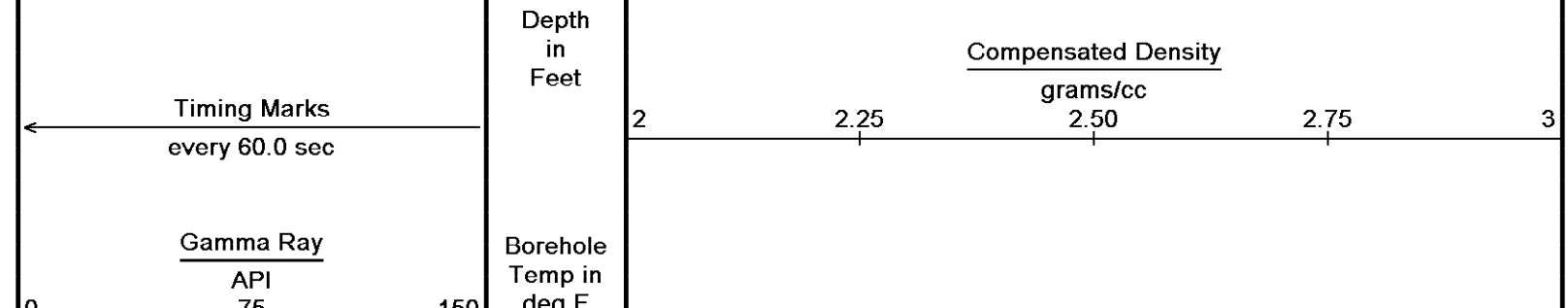
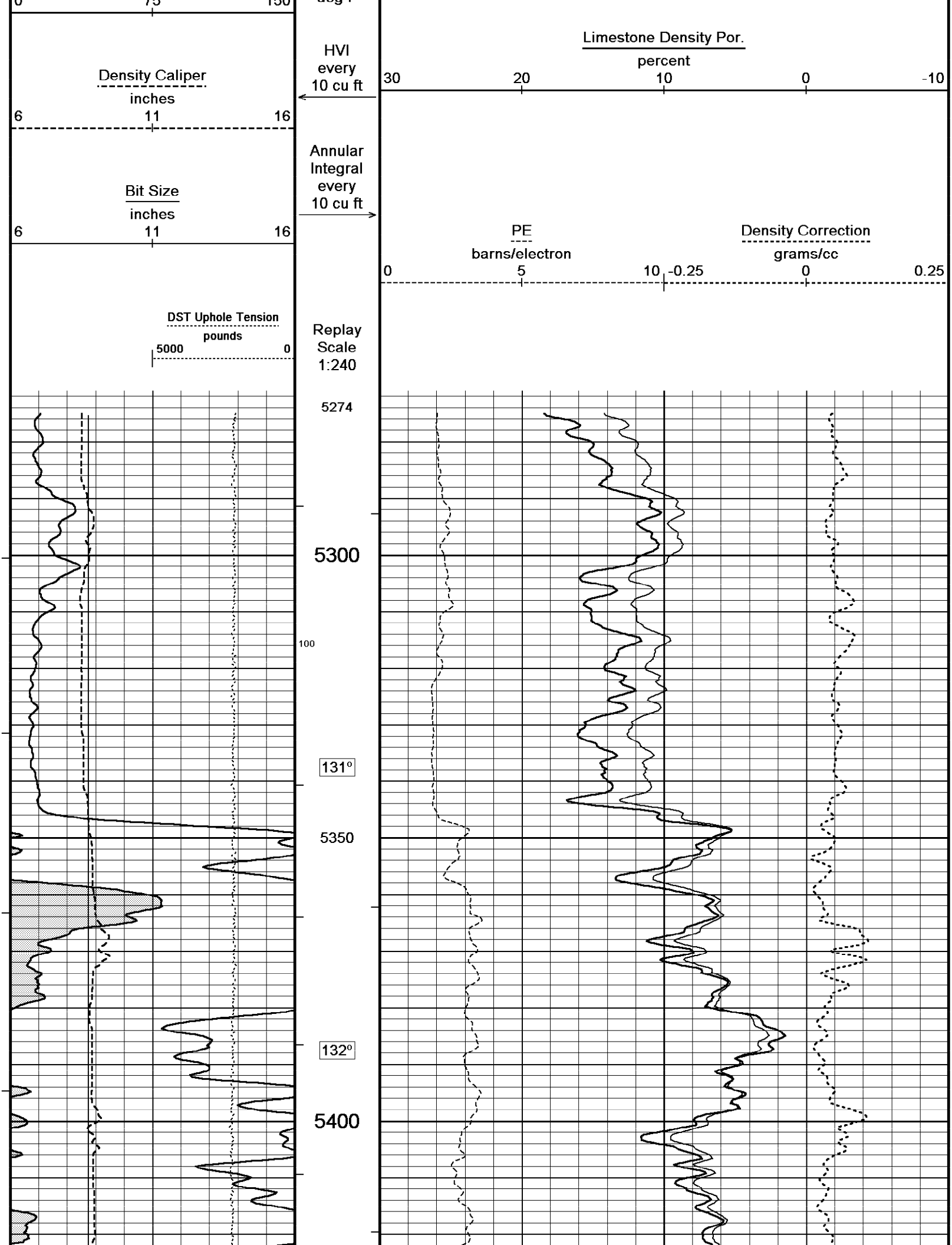
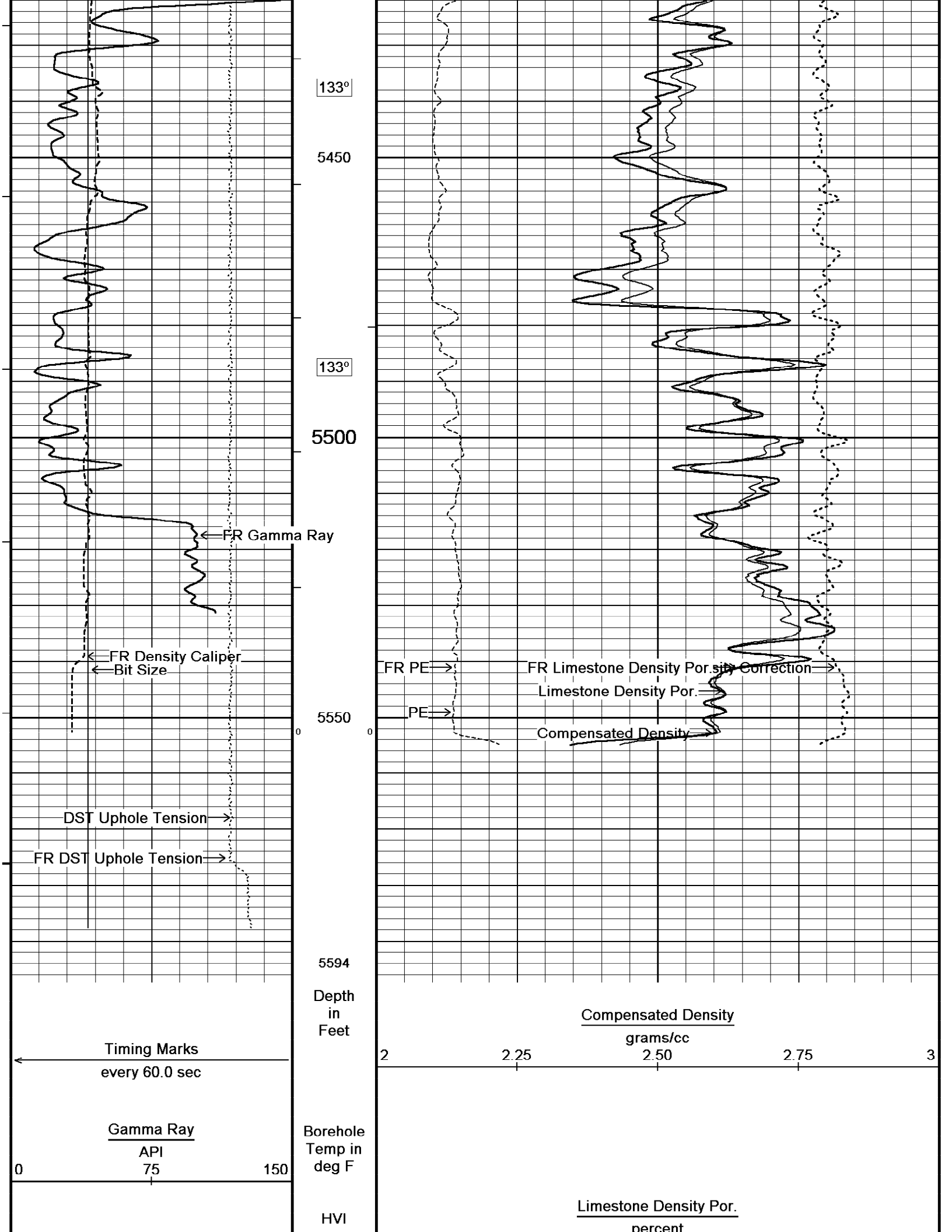
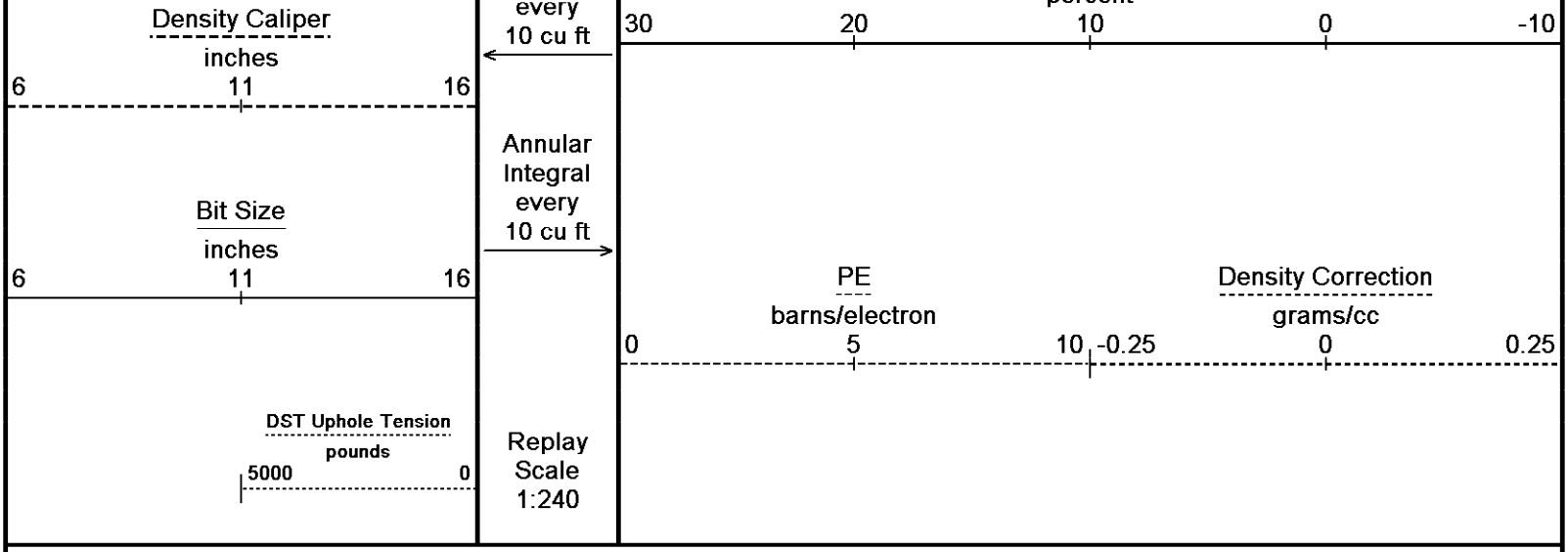



0
75
150
Density Caliper
inches
6
11
16
Bit Size
inches
6
11
16
DST Uphole Tension
pounds
5000
0
HVI
every
10 cu ft
Annular
Integral
every
10 cu ft
Replay
Scale
1:240
Limestone Density Por.
percent
30
20
10
0
-10
PE
barns/electron
0
5
10
Density Correction
grams/cc
-0.25
0
0.25
5274
5300
100
131°
5350
132°
5400


133°
5450
133°
5500
FR Gamma Ray
FR Density Caliper
Bit Size
5550
0
0
DST Uphole Tension
FR DST Uphole Tension
FR PE
PE
FR Limestone Density Porosity Correction
Limestone Density Por.
Compensated Density
5594
Depth in Feet
Timing Marks
every 60.0 sec
Gamma Ray
API
0
75
150
Borehole Temp in deg F
HVI
Compensated Density
grams/cc
2
2.25
2.50
2.75
3
Limestone Density Por.
percent



Depth Based Data - Maximum Sampling Increment 10.0cm — Plotted on 02-MAR-2012 15:13
Filename: C:\DOCUME~1\E168018\LOCALS~1\Temp\Weatherf...\SandRidge Macy 1-34 SWD_001.dta — Recorded on 21-FEB-2012 09:56
System Versions: Logged with 11.03.4044 Plotted with 12.01.3513

5 INCH REPEAT PASS

BEFORE SURVEY CALIBRATION

C:\DOCUME~1\E168018\LOCALS~1\Temp\Weatherford PreView\0\SandRidge Macy 1-34 SWD.dta

General Constants All 000

Last Edited on 21-FEB-2012 07:38

General Parameters		
Mud Resistivity	0.420	ohm-metres
Mud Resistivity Temperature	71.000	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	7.000	inches
Caliper for Differential Caliper	None	
Rwa Parameters		
Porosity used	Limestone Density Por.	
Resistivity used	Array Ind. One Res Rt	
RWA Constant A	1.000	
RWA Constant M	2.000	

Down-hole Tension Calibration SMS 0

Field Calibration on 24-DEC-2011 19:14

Reading No	Measured	Calibrated (lbs)
1	13180.10	0.00
2	14049.87	408.00

Gamma Calibration MCG-D.K 442

Field Calibration on 20-FEB-2012 13:20

	Measured	Calibrated (API)
Background	67	45
Calibrator (Gross)	1145	770
Calibrator (Net)	1078	725

Gamma Constants MCG-D.K 442

Last Edited on 21-FEB-2012 07:15

Gamma Calibrator Number	grc38	
Mud Density	1.12	gm/cc
Caliper Source for Processing	Density Caliper	
Tool Position	Eccentred	
Concentration of KCl	0.00	kppm

SP Calibration MCG-D.K 442

Field Calibration on 06-FEB-2012 10:17

	Measured	Calibrated (mV)
Reference 1	101.0	100.0
Reference 2	-99.9	-100.0

High Resolution Temperature Calibration MCG-D.K 442

Field Calibration on 02-DEC-2011 12:34

	Measured	Calibrated(Deg F)
Lower	50.00	50.00
Upper	75.00	75.00

High Resolution Temperature Constants MCG-D.K 442

Last Edited on 25-SEP-2011 22:25

Pre-filter Length	11

Caliper Calibration MML-A 4

Base Calibration on 13-FEB-2012 09:03
Field Calibration on 20-FEB-2012 13:14

Base Calibration

Reading No	Measured	Calibrator Size (in)
1	15017	5.98
2	18447	7.97
3	21786	9.86
4	25801	11.92
5	0	0.00
6	N/A	N/A

Field Calibration

Measured Caliper (in)	Actual Caliper (in)
6.02	5.98

Micro Normal and Micro Inverse Calibration MML-A 4

Base Calibration on 13-FEB-2012 09:11
Field Check on 20-FEB-2012 13:03

Base Calibration

	Measured		Calibrated (ohm-m)	
Channel	Resistor 1	Resistor 2	Resistor 1	Resistor 2
Micro Normal	12.2	60.2	2.6	12.8
Micro Inverse	15.7	78.3	1.7	8.4

Channel	Base Check (ohm-m)	Field Check (ohm-m)
Micro Normal	32.1	32.1
Micro Inverse	16.3	16.3

Micro Normal and Micro Inverse Constants MML-A 4

Last Edited on 13-FEB-2012 09:08

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 65

Base Calibration on 13-FEB-2012 14:25
Field Check on 20-FEB-2012 13:26

Base Calibration

	Measured		Calibrated (cps)	
	Near	Far	Near	Far
	3053	95	3714	110
Ratio	32.113		33.764	

Field Calibrator at Base

	Calibrated (cps)	
	1672	2379
Ratio	0.703	

Field Check

	Calibrated (cps)	
	1680	2421
Ratio	0.694	

Neutron Constants MDN-A.B 65

Last Edited on 20-FEB-2012 13:21

Neutron Source Id	14035B	
Neutron Jig Number	5824NE	
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	4.26	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-A.A 55

Base Calibration on 13-FEB-2012 09:17
Field Check on 20-FEB-2012 13:01

Base Calibration

	Measured	Calibrated (ohm-m)
Reference 1	0.0	0.0
Reference 2	951.6	126.8
Base Check		281.6
Field Check		281.6

FE Constants MFE-A.A 55

Last Edited on 20-FEB-2012 13:00

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	Temperature Corr	
Temp. for Rm Corr.	MCG External Temperature	
Stand-off	0.5	inches

Sonic Constants MSS-C.K 330

Last Edited on 21-FEB-2012 07:15

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
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
3' Waveform Filter	N/A	
4' Waveform Filter	N/A	
5' Waveform Filter	N/A	
6' Waveform Filter	N/A	
Semblance Level	N/A	
Semblance Window Width	N/A	micro-sec
Sonic 1 Despiker	N/A	N/A
Sonic 2 Despiker	N/A	N/A

High Resolution Temperature Calibration MAI-A.A 45

Field Calibration on 12-JAN-2012 13:36

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

High Resolution Temperature Constants MAI-A.A 45

Last Edited on 12-JAN-2012 11:13

Pre-filter Length	11

Induction Calibration MAI-A.A 45

Base Calibration on 12-JAN-2012 13:34
Field Check on 20-FEB-2012 12:59

Base Calibration

Test Loop Calibration	Measured		Calibrated (mmho/m)	
Channel	Low	High	Low	High
1	14.4	472.6	9.3	966.2
2	5.7	374.0	7.6	821.4
3	3.4	261.2	5.2	566.0
4	2.5	133.9	2.6	279.2

Array Temperature	79.4	Deg F

Channel	Base Check (mmho/m)		Field Check (mmho/m)		
	Low	High	Low	High	
1	18.4	3850.7	18.4	3851.4	
2	31.7	3629.3	31.7	3629.5	
3	28.7	3049.6	28.6	3049.5	
4	18.3	2079.5	18.3	2079.4	
Deep	16.0	1911.5	16.0	1911.4	
Medium	42.6	4060.8	42.5	4060.7	
Shallow	49.7	5482.7	49.5	5483.1	
Array Temperature	53.8		68.0		Deg F

Induction Constants MAI-A.A 45

Last Edited on 21-FEB-2012 07:15

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	8.0000	
Stand-off Fin Angle	45.00	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

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	

Caliper Calibration MPD-B 64

Base Calibration on 13-FEB-2012 10:56
Field Calibration on 20-FEB-2012 13:02

Base Calibration

Reading No	Measured	Calibrator Size (in)
1	13425	3.99
2	22192	5.98
3	30768	7.97
4	39024	9.86
5	48432	11.92
6	N/A	N/A

Field Calibration

Measured Caliper (in)	Actual Caliper (in)
5.98	5.98

Photo Density Calibration MPD-B 64

Base Calibration on 13-FEB-2012 11:14
Field Check on 20-FEB-2012 13:13

Density Calibration

Base Calibration	Measured		Calibrated (sdu)	
	Near	Far	Near	Far
Reference 1	47670	25060	59556	30836
Reference 2	19597	2525	24941	2541

Field Check at Base

1199.0	1386.9

Field Check

1202.2	1389.9

PE Calibration

Base Calibration	Measured			Calibrated
	WS	WH	Ratio	Ratio
Background	218	1072		
Reference 1	18017	47489	0.383	0.371
Reference 2	5304	19465	0.276	0.272

Field Check at Base

218.3	1071.8

Field Check

216.2	1073.7

Density Constants MPD-B 64

Last Edited on 21-FEB-2012 07:15

Density Source Id	254
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

PE Correction to Density	Not Applied	
Mud Density	1.12	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	

DOWNHOLE EQUIPMENT

C:\DOCUME~1\E168018\LOCALS~1\Temp\Weatherford PreView\0\SandRidge Macy 1-34 SWD.dta

Compact Comms Gamma
MCG-D.K 442 LG: 8.70 ft WT: 63.9 lb OD: 2.24 in

Compact Comms Gamma
MCG-D.K 442 LG: 8.70 ft WT: 63.9 lb OD: 2.24 in

Compact Micro-log
MML-A 4 LG: 7.97 ft WT: 81.6 lb OD: 2.24 in

Compact Micro-log
MML-A 4 LG: 7.97 ft WT: 81.6 lb OD: 2.24 in

Compact Neutron
MDN-A.B 65 LG: 5.04 ft WT: 50.7 lb OD: 2.24 in

Compact Neutron
MDN-A.B 65 LG: 5.04 ft WT: 50.7 lb OD: 2.24 in

Compact Density/Caliper
MPD-B 64 LG: 9.59 ft WT: 90.4 lb OD: 2.45 in

Compact Density/Caliper
MPD-B 64 LG: 9.59 ft WT: 90.4 lb OD: 2.45 in

SKJ-D.A Compact Knuckle Joint
SKJ-D.A 37 LG: 2.17 ft WT: 24.3 lb OD: 2.24 in

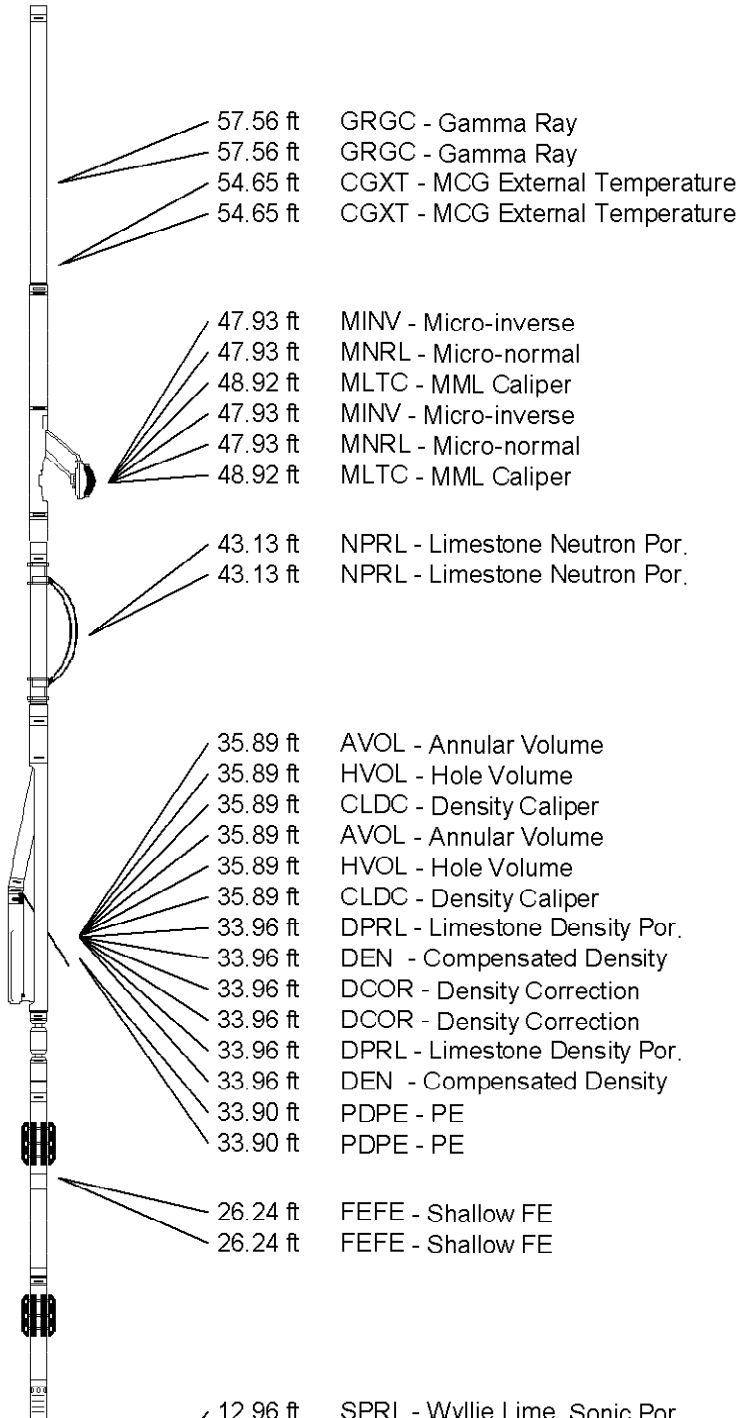
SKJ-D.A Compact Knuckle Joint
SKJ-D.A 37 LG: 2.17 ft WT: 24.3 lb OD: 2.24 in

Compact Focussed Electric
MFE-A.A 55 LG: 6.05 ft WT: 48.5 lb OD: 2.24 in

Compact Focussed Electric
MFE-A.A 55 LG: 6.05 ft WT: 48.5 lb OD: 2.24 in

Compact Sonic
MSS-C.K 330 LG: 12.52 ft WT: 72.8 lb OD: 2.24 in

Compact Sonic



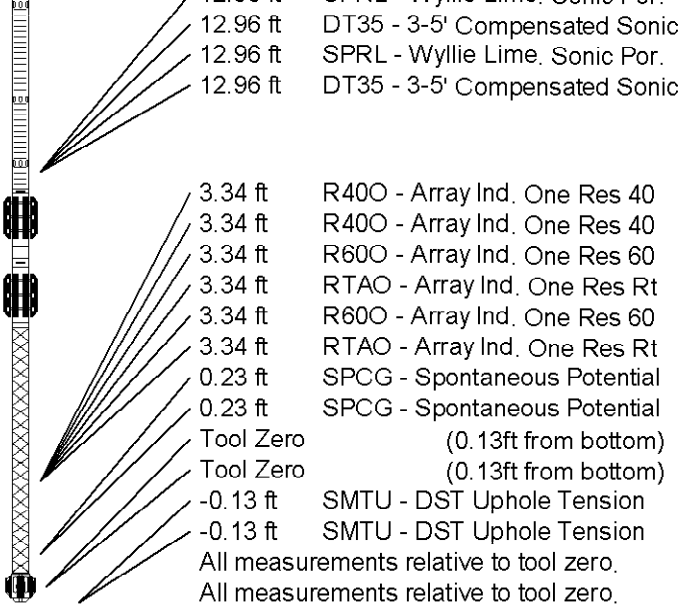
MSS-C.K 330 LG: 12.52 ft WT: 72.8 lb OD: 2.24 in

Compact Induction
MAI-A.A 45 LG: 10.81 ft WT: 48.5 lb OD: 2.24 in

Compact Induction
MAI-A.A 45 LG: 10.81 ft WT: 48.5 lb OD: 2.24 in

Total Length: 62.84 ft Weight: 480.6 lb

Total Length: 62.84 ft Weight: 480.6 lb



COMPANY	SANDRIDGE EXPL. & PRODUCTION, LLC.
WELL	MACY 1-34 SWD
FIELD	KANSAS WALDRON-WEST
PROVINCE/COUNTY	HARPER
COUNTRY/STATE	U.S.A. / KANSAS

Elevation Kelly Bushing	1277.00	feet	First Reading	5541.00	feet
Elevation Drill Floor	1275.00	feet	Depth Driller	5570.00	feet
Elevation Ground Level	1261.00	feet	Depth Logger	5575.00	feet

Weatherford®

COMPACT PHOTO DENSITY COMPENSATED NEUTRON LOG

40 Years of Wireline 1970 2010

Schlumberger BlueView :