

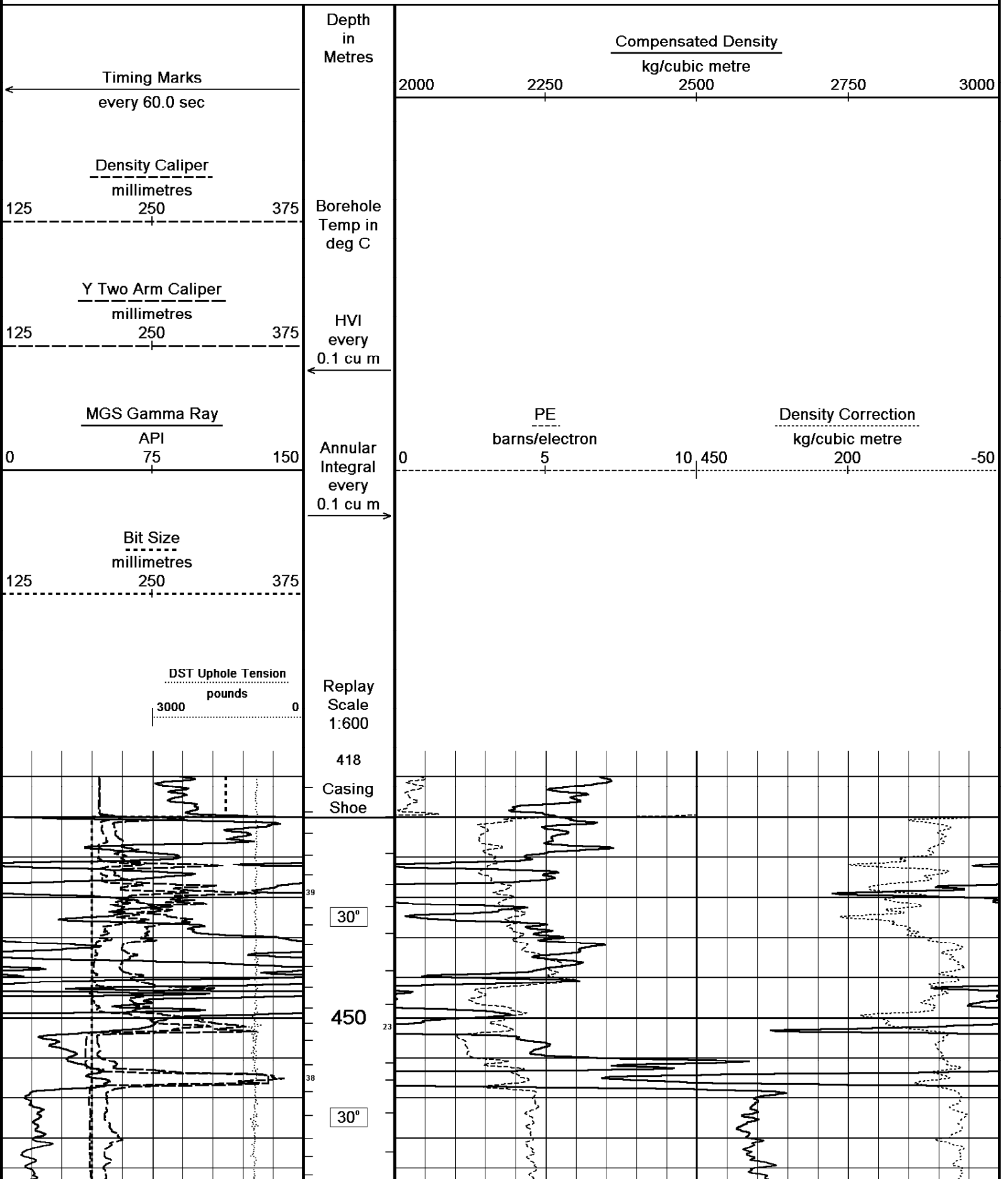
**MEASURED DEPTH
PHOTO DENSITY
DUAL SPACED NEUTRON**

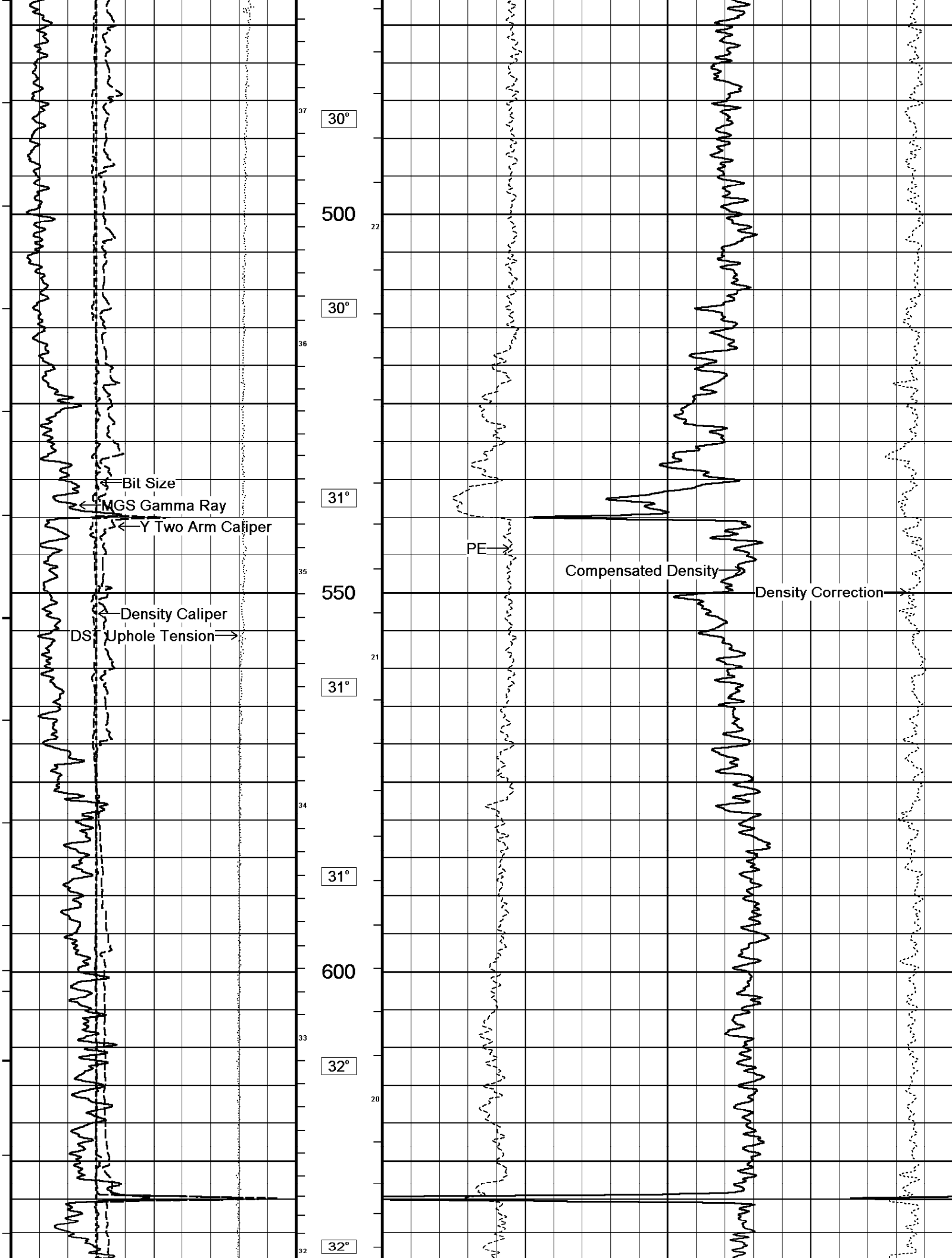
COMPANY				PARAMOUNT RESOURCES LTD.			
WELL				PARA ET AL CAMERON L40			
FIELD				CAMERON HILLS			
PROVINCE				NORTHWEST TERRITORIES			
COUNTRY				CANADA			
LOCATION				300L406010117300			
				COMPACT FINAL PRINT			
LSD	SEC	TWP	RGE	Other Services			
				ARRAY INDUCTION			
API Number				COMPENSATED SONIC			
Permit Number 2045				MICROLOG			
Permanent Datum OUND LEVEL, Elevation 684.70 metres						Elevations:	
Log Measured From 5.4 Mabove Permanent Datum						KB 690.10 metres	
Drilling Measured From KELLY BUSHING						DF metres	
						GL 684.70 metres	
Date	24-JAN-2007						
Run Number	1						
Depth Driller	1453.00			metres			
Depth Logger	1453.30			metres			
First Reading	1445.00			metre			
Last Reading	5.00			metre			
Casing Driller	425.00			metres			
Casing Logger	425.10			metres			
Bit Size	200.00			mm			
Hole Fluid Type	GELCHEM						
Density / Viscosity	1110.0 kg/M3			85.00 sec/L			
PH / Fluid Loss	10.00			13.00 ml/30Min			
Sample Source	FLOWLINE						
Rm @ Measured Temp	0.60 @ 25.0			ohm-m			
Rmf @ Measured Temp	0.41 @ 25.0			ohm-m			
Rmc @ Measured Temp	0.83 @ 25.0			ohm-m			
Source Rmf / Rmc	PRESS			FILTER			
Rm @ BHT	0.40 @ 48.0			ohm-m			
Time Since Circulation	6 HRS						
Max Recorded Temp	48.00			deg C			
Equipment Name	3424						
Equipment / Base	QUINT			GPR			
Recorded By	M. SURKA / M. BONNELL						
Witnessed By	B. POWELL						
CIRC. STOP	12.45 JAN 24					Last Line	

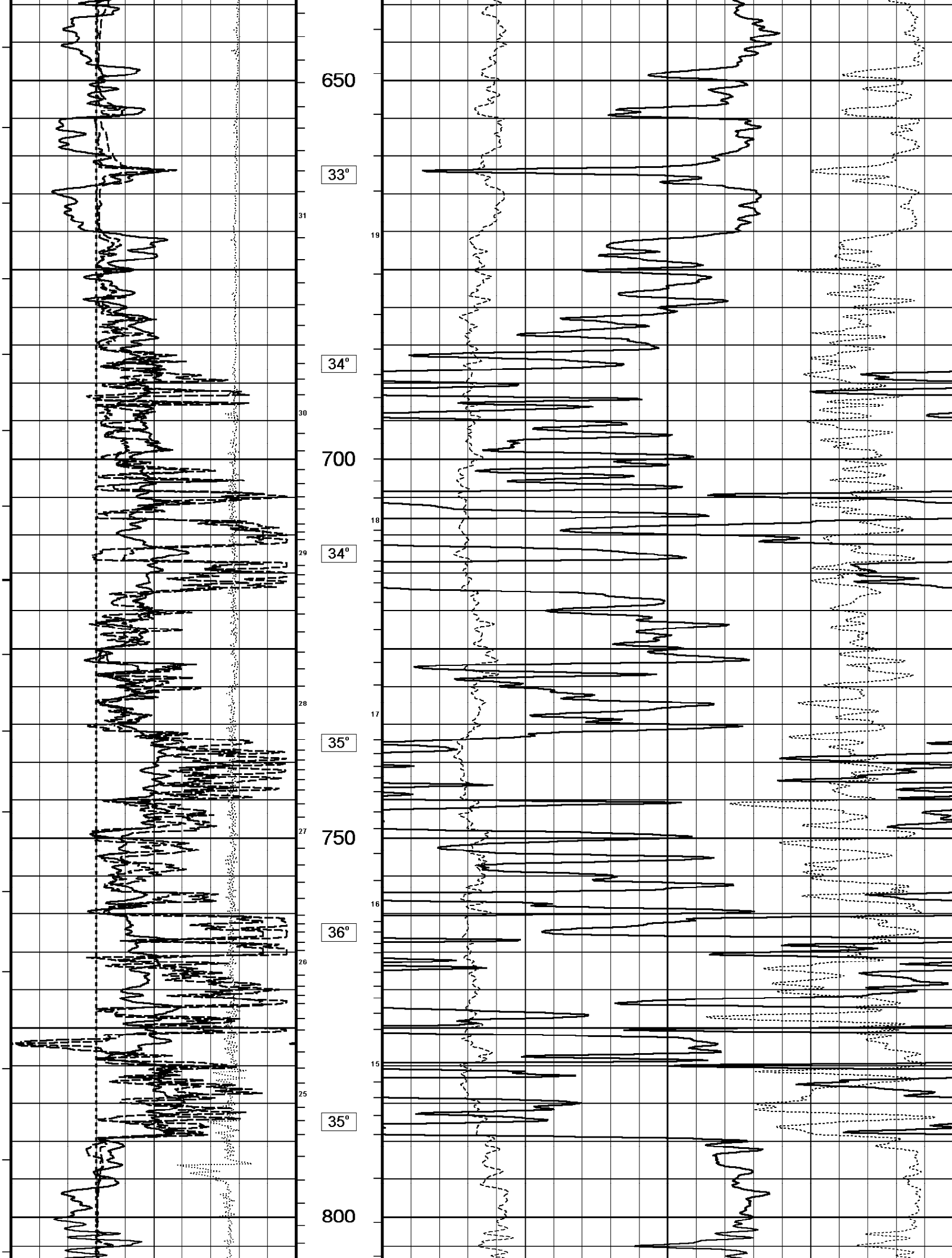
BOREHOLE RECORD			Last Edited: 24-JAN-2007 18:55	
Bit Size millimetres	Depth From metres	Depth To metres		
311.000	0.00	425.00		
200.000	425.00	1453.00		
CASING RECORD				
Type	Size millimetres	Depth From metres	Shoe Depth metres	Weight pounds/ft
SURFACE	219.100	0.00	425.00	24.00

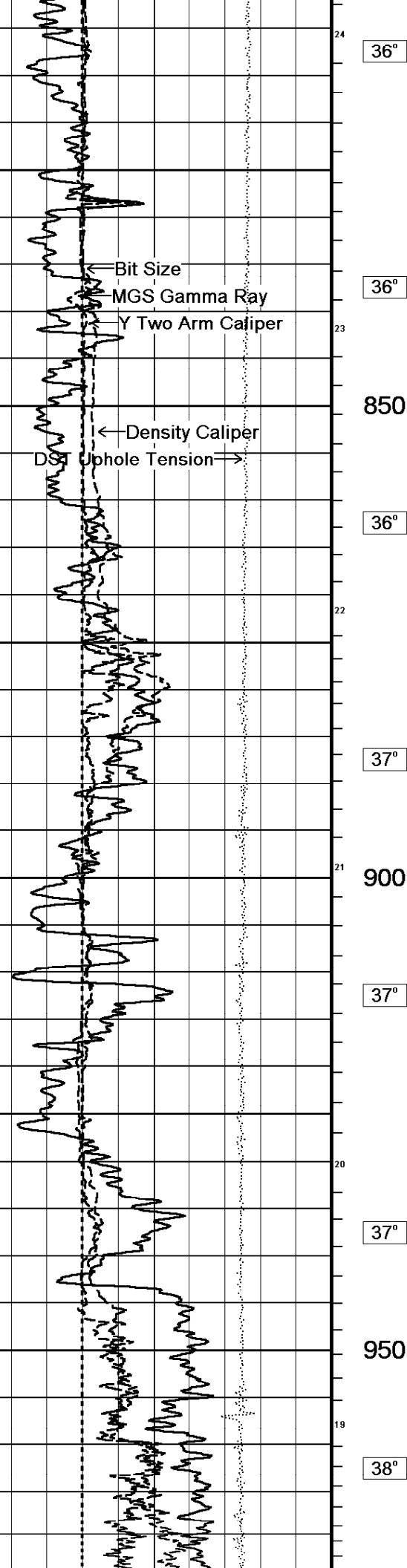
REMARKS
1) SOFTWARE ISSUE: WLS 7.01.0195
2) CUSTOMER SCALES AND INTERVALS LOGGED.
3) MAI, MSS, MPD, MDN, MMR, ISC, MGS, MTC, MCG RAN IN COMBINATION.
4) HARDWARE: MAI: TWO 25.4 MM STANDOFFS MDN: DUAL NEUTRON BOWSPRING MTC: ONE SIX-LEAF CENTRALIZER MSS: THREE 25.4 MM STANDOFFS
5) SAP# 4145923 # FIELD PRINTS = 2
6) RIG: PD 220
7) HOLE_CEMENT VOLUMES CALCULATED USING DENSITY CALIPER AND TWO ARM CALIPER IN COMBINATION : HOLE VOLUME = 39.4 CU.M. ANNULAR VOLUME USING 139.7 MM PRODUCTION CASING = 23.8 CU.M
8) SONIC FREE PIPE SIGNAL FOUND FROM 305-318M.
9) MAXIMUM DEVAITION OF 12.3 DEGREES AT 1230.7 M

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









36°

36°

850

36°

37°

900

37°

37°

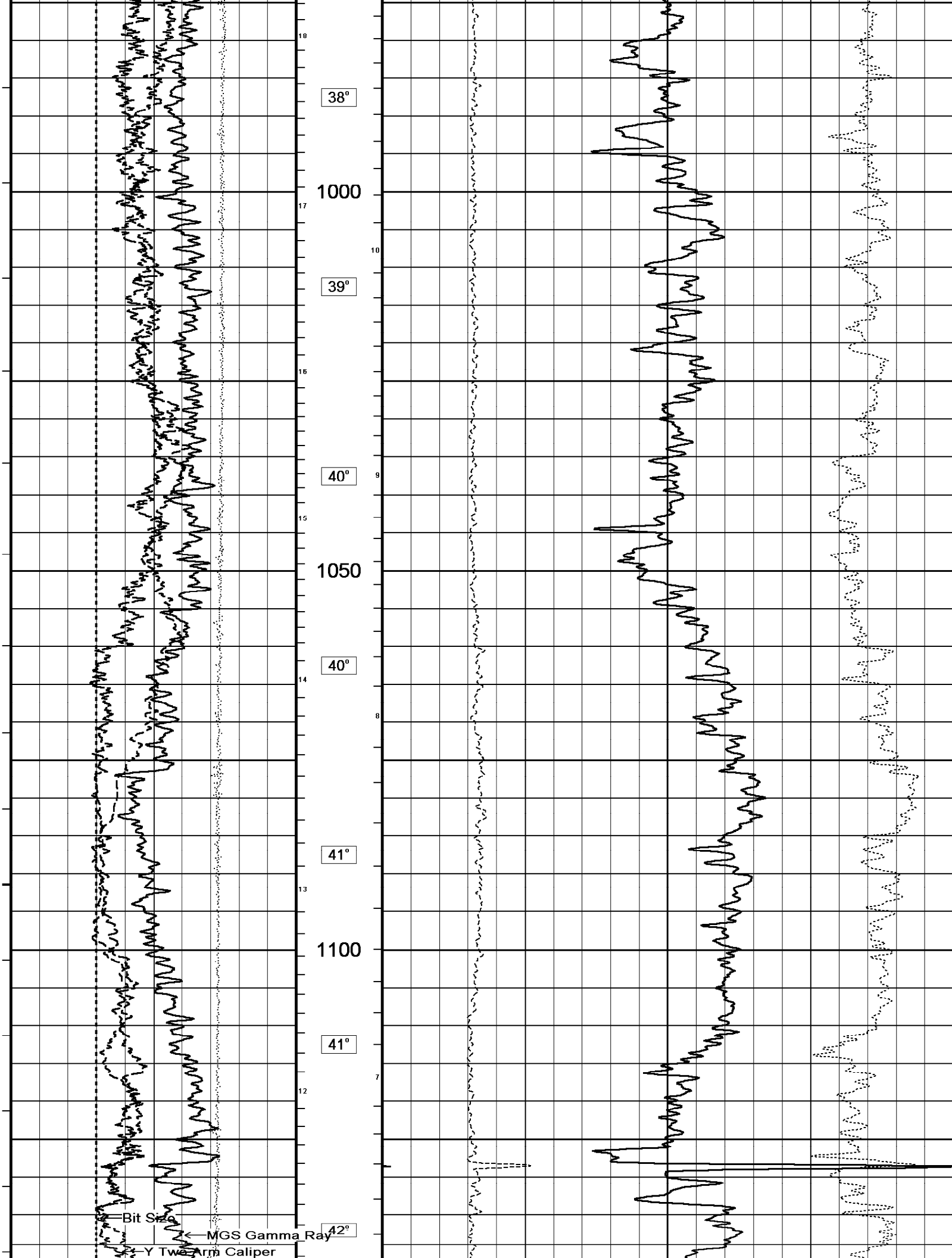
950

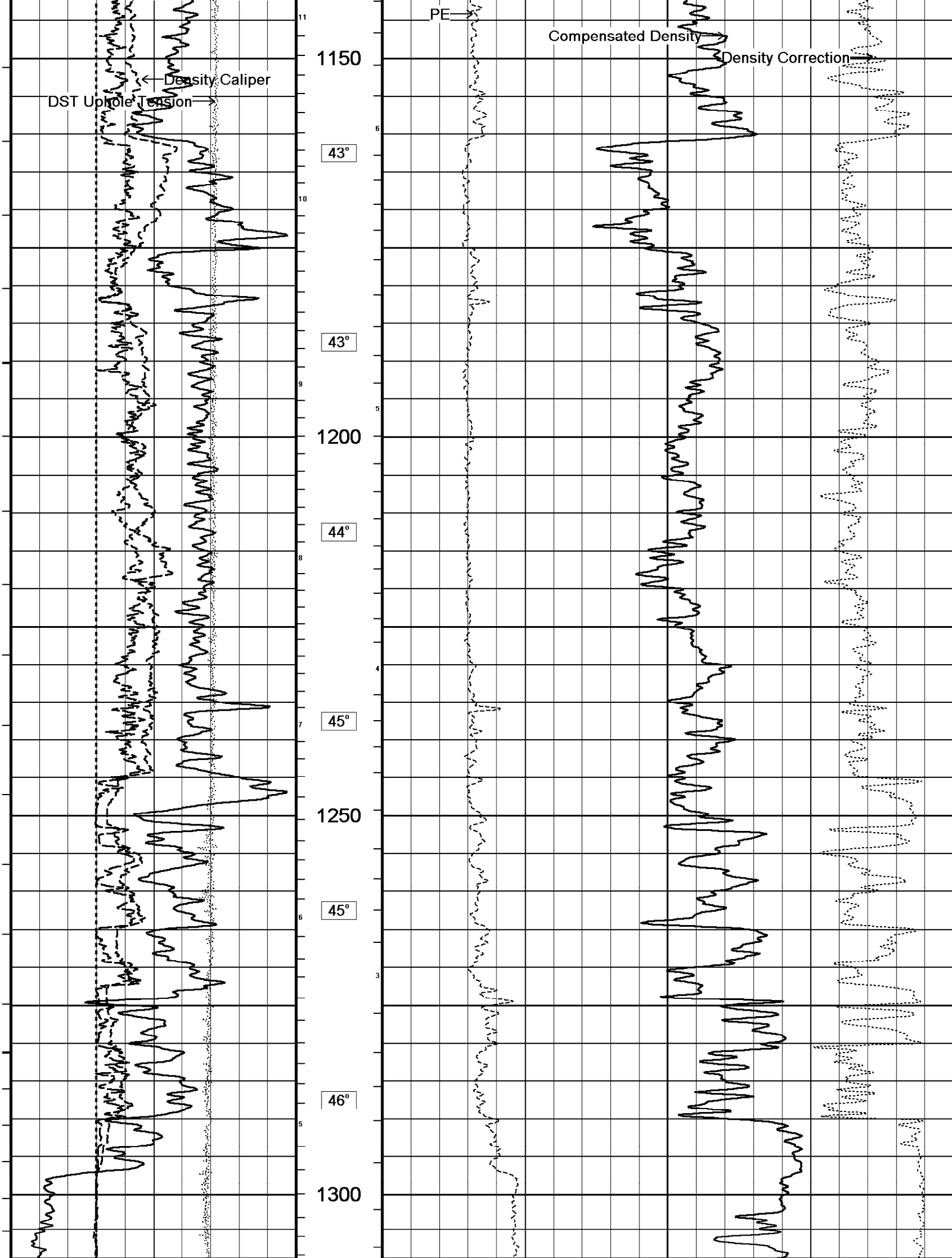
38°

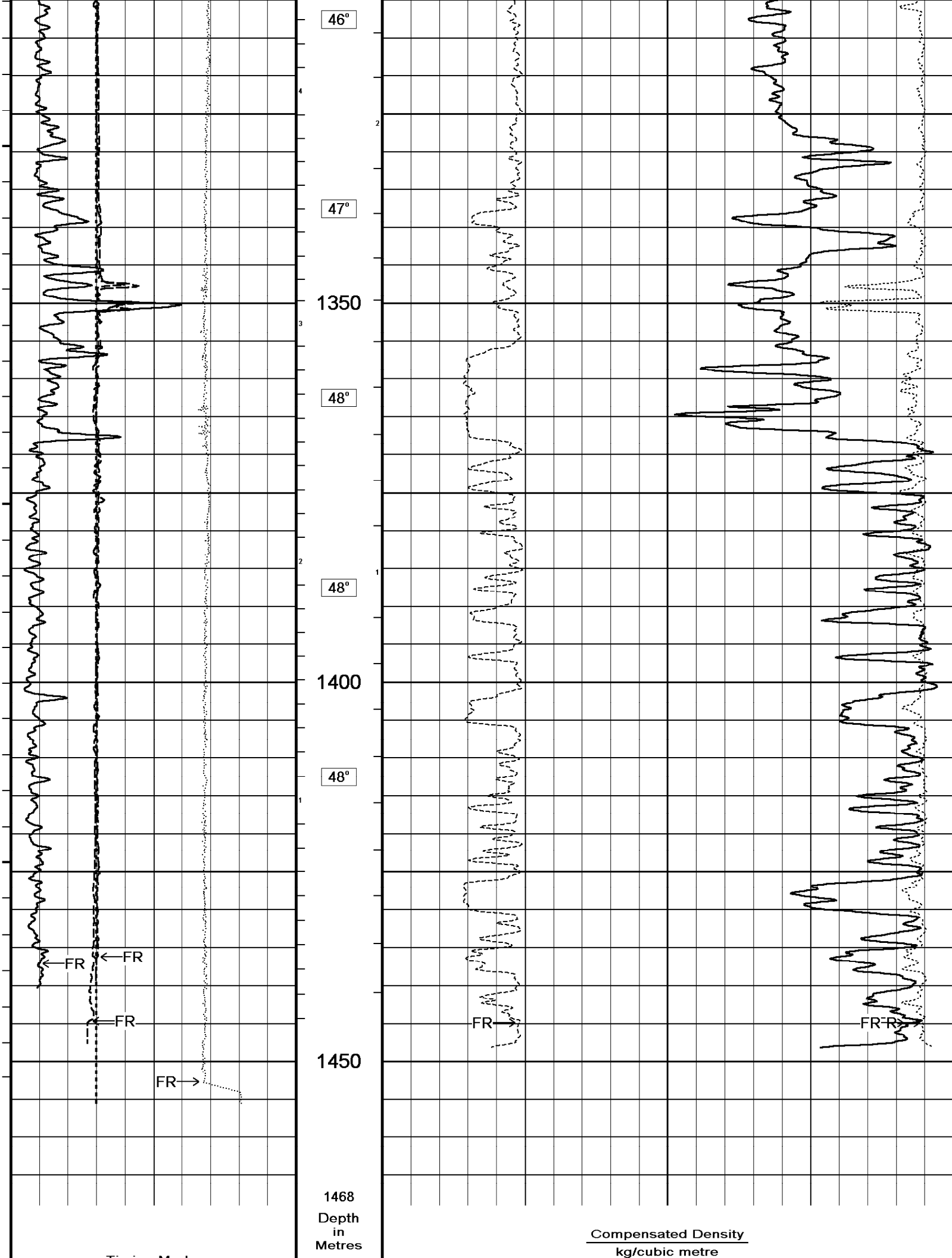
PE →

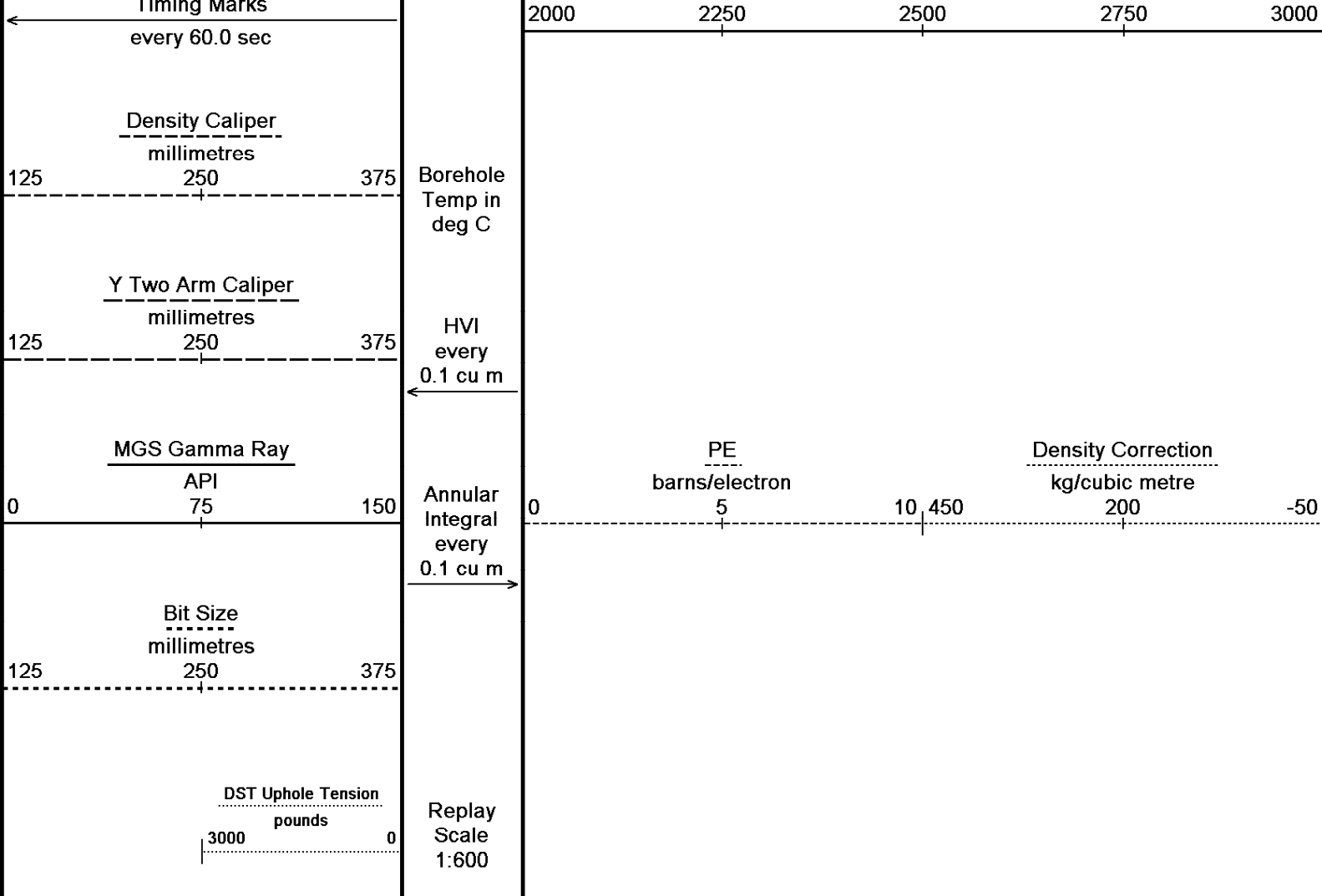
Compensated Density

Density Correction →









Depth Based Data - Maximum Sampling Increment 10.0cm	Plotted on 25-JAN-2007 03:16
Filename: C:\DOCUME~1\murraytm\LOCALS~1\Temp\Precision PreView\L40 SPLICE_MAIN.dta	Recorded on 24-JAN-2007 18:58
System Versions: Processed with 7.01.0195 Plotted with 7.02.0256	

↑

BULK DENSITY 1:600

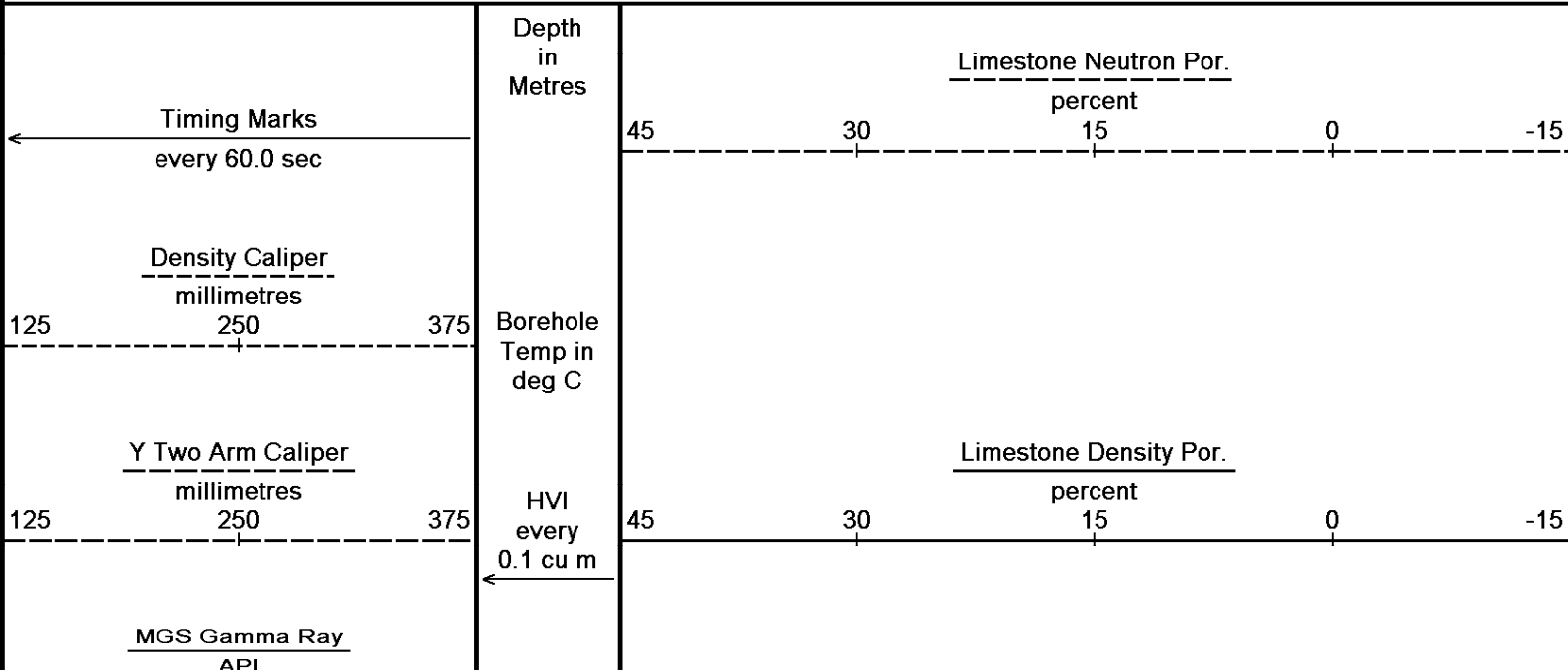
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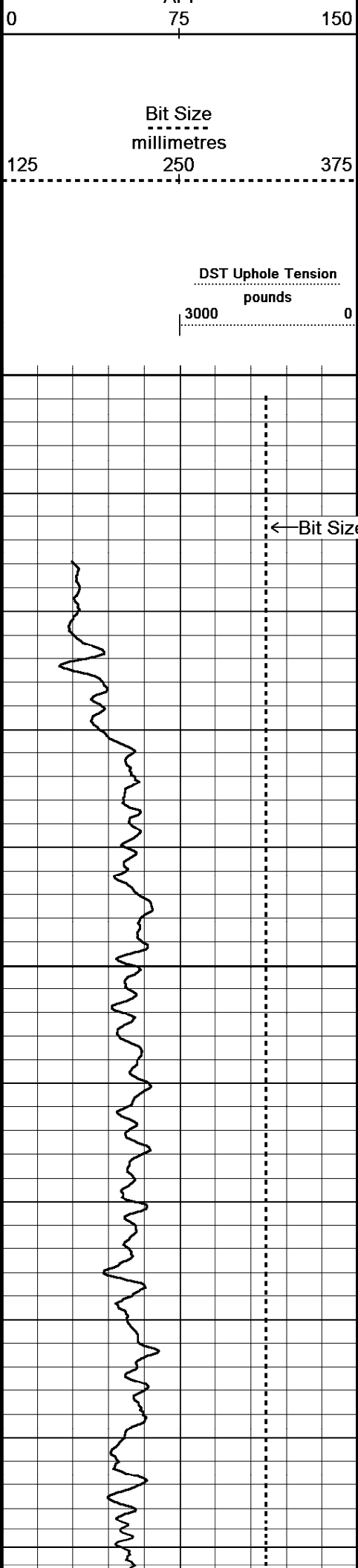
↓

LIMESTONE MAIN LOG

↓

Depth Based Data - Maximum Sampling Increment 10.0cm	Plotted on 25-JAN-2007 03:16
Filename: C:\DOCUME~1\murraytm\LOCALS~1\Temp\Precision PreView\L40 SPLICE_MAIN.dta	Recorded on 24-JAN-2007 18:58
System Versions: Processed with 7.01.0195 Plotted with 7.02.0256	





Annular
Integral
every
0.1 cu m

Replay
Scale
1:240

0

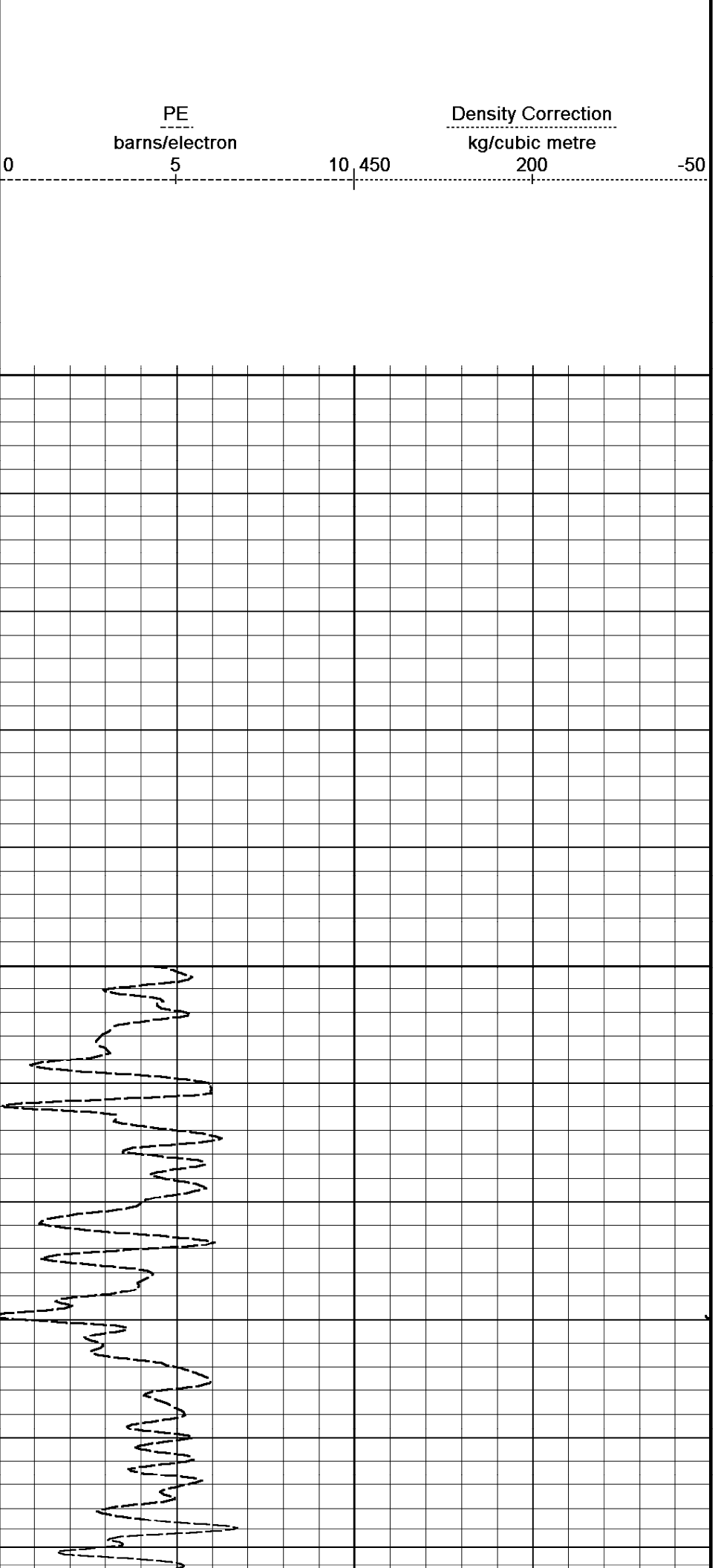
10

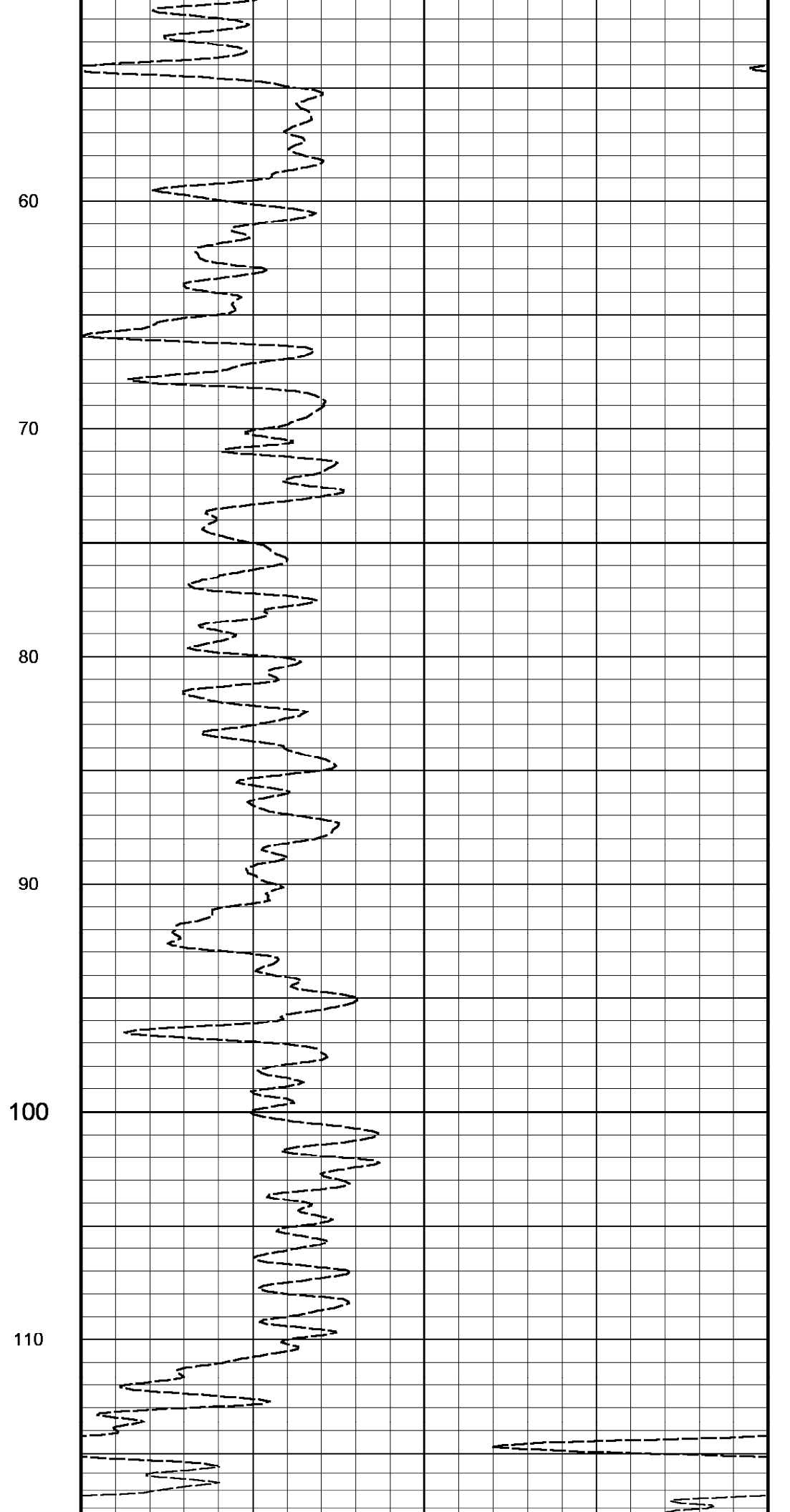
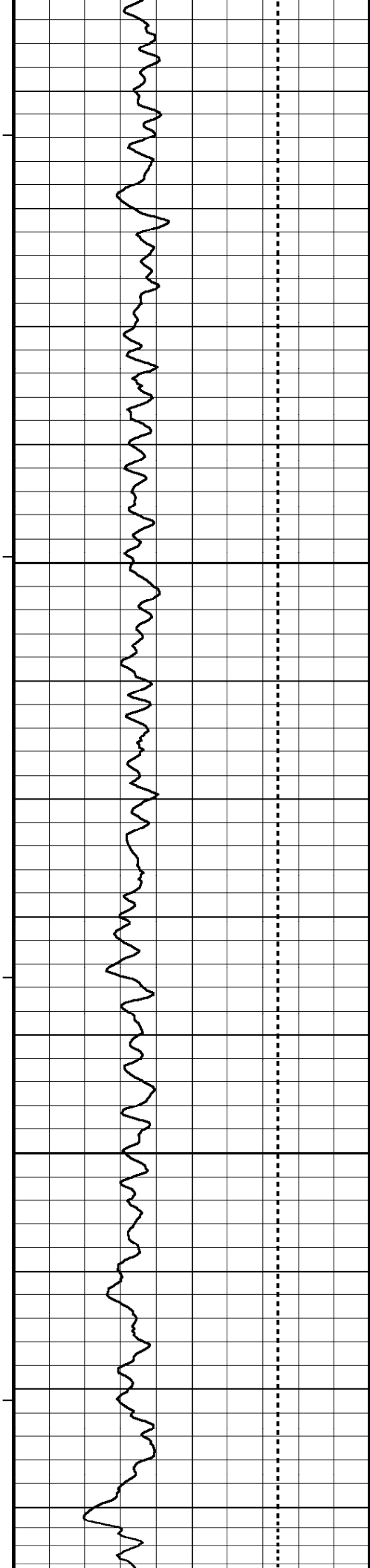
20

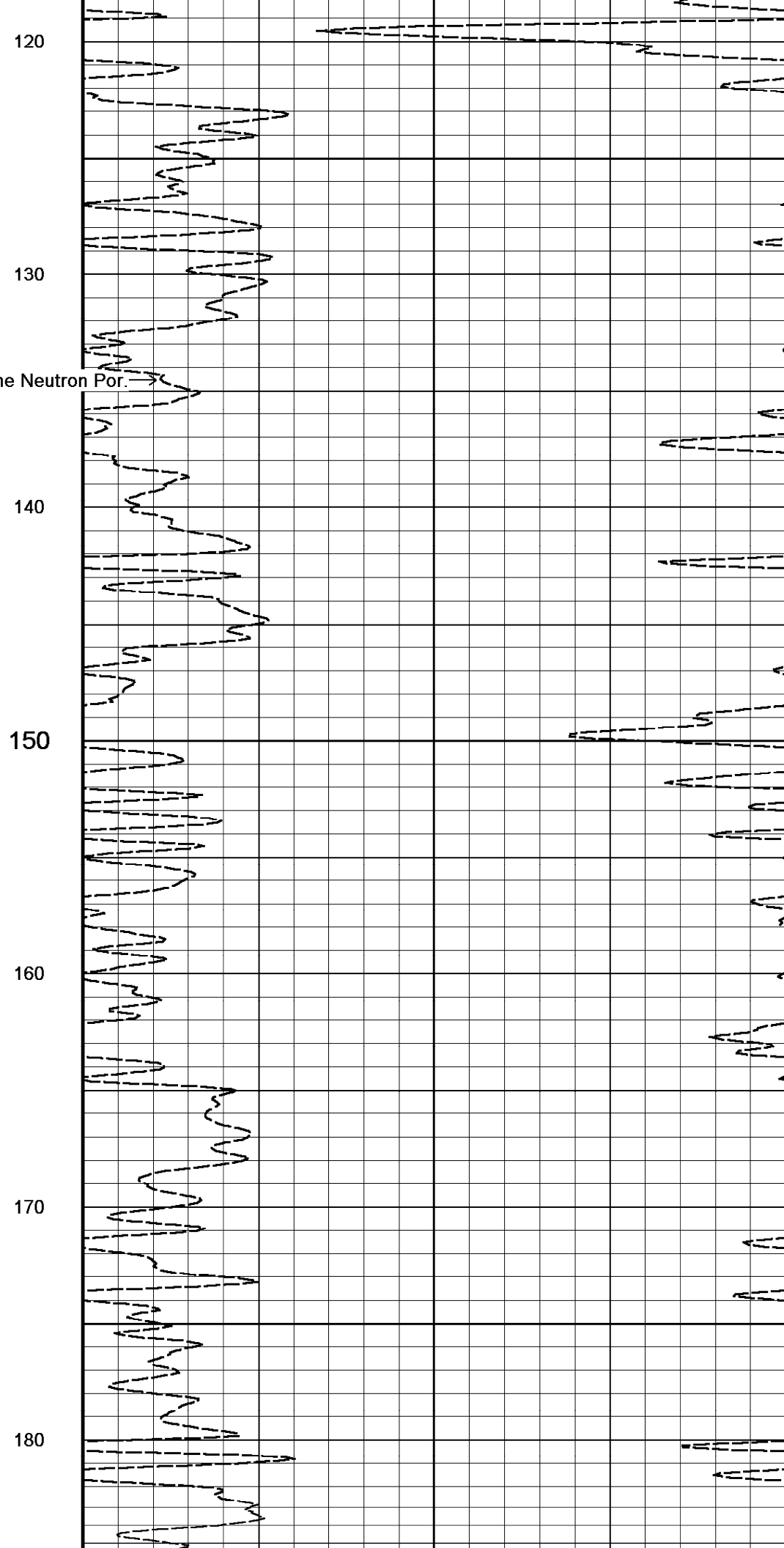
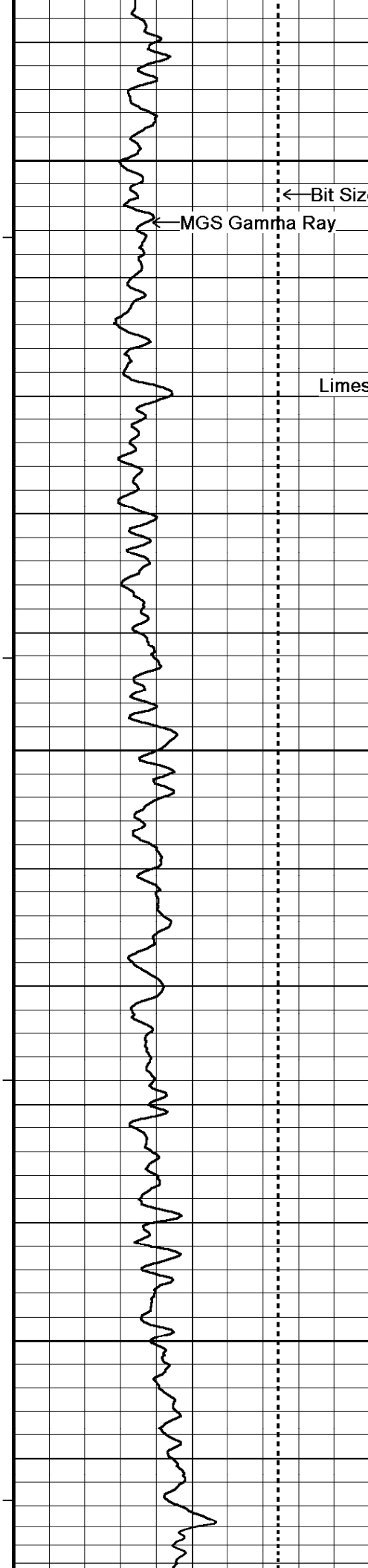
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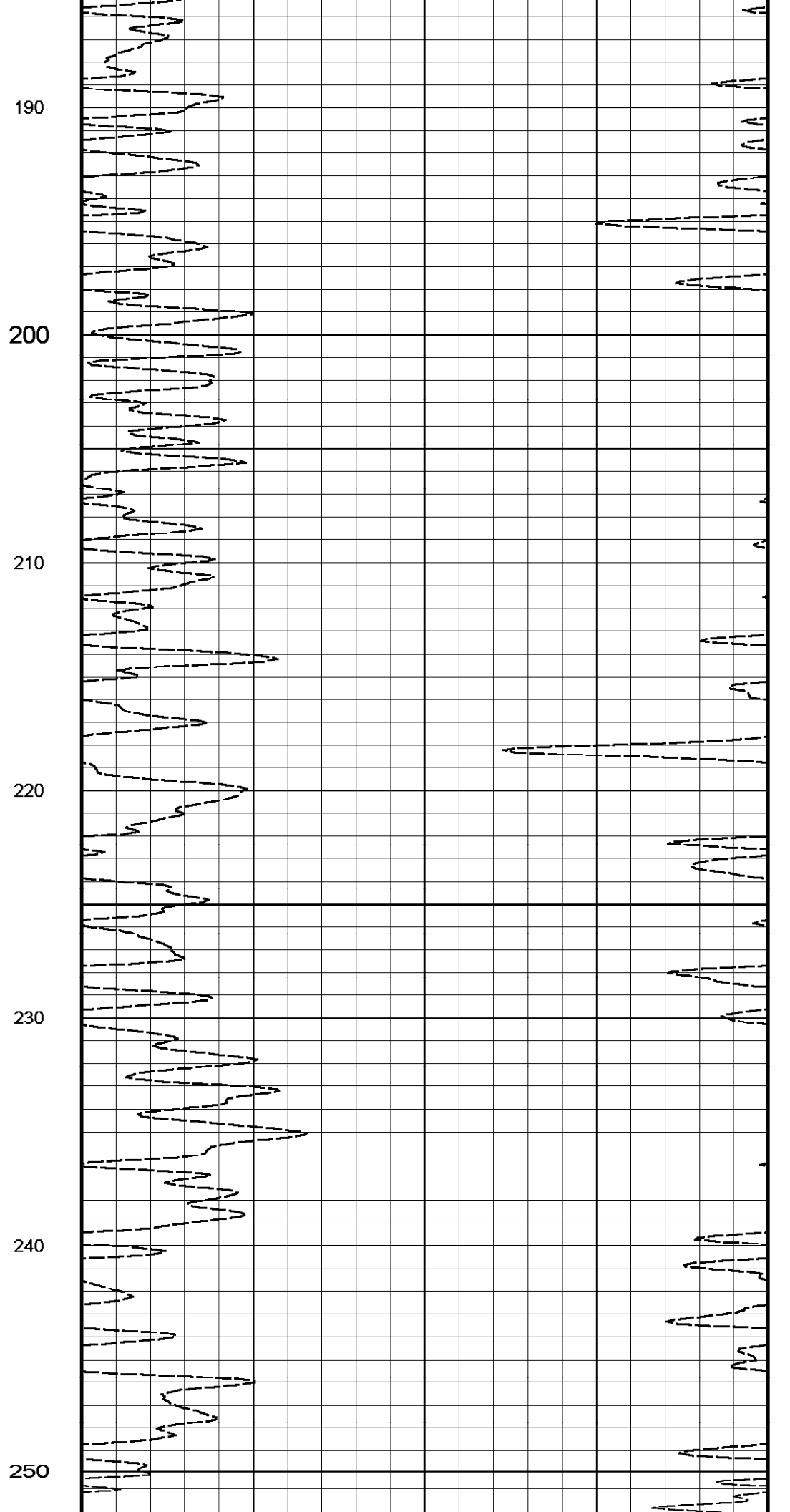
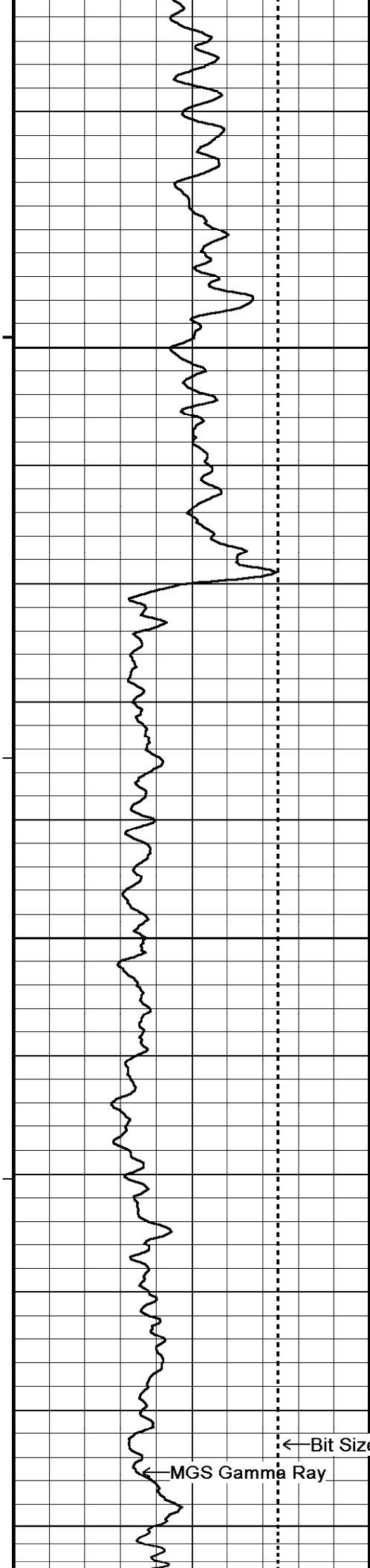
40

50









Limestone Neutron Porosity

260

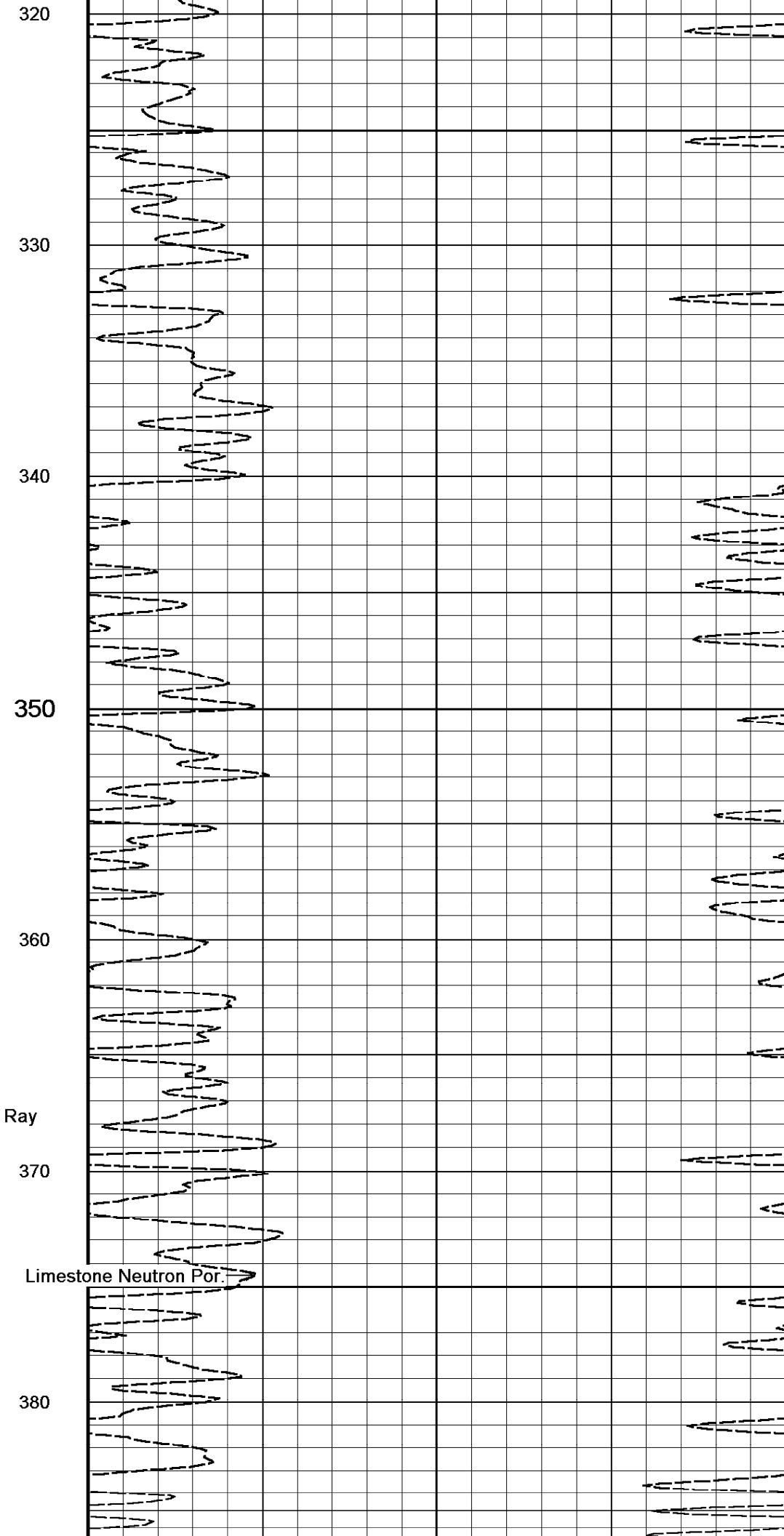
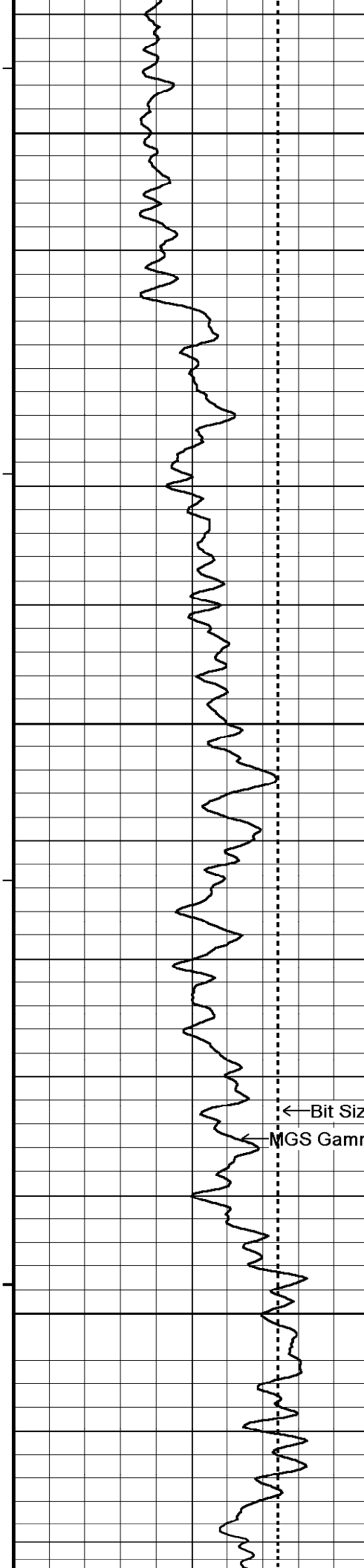
270

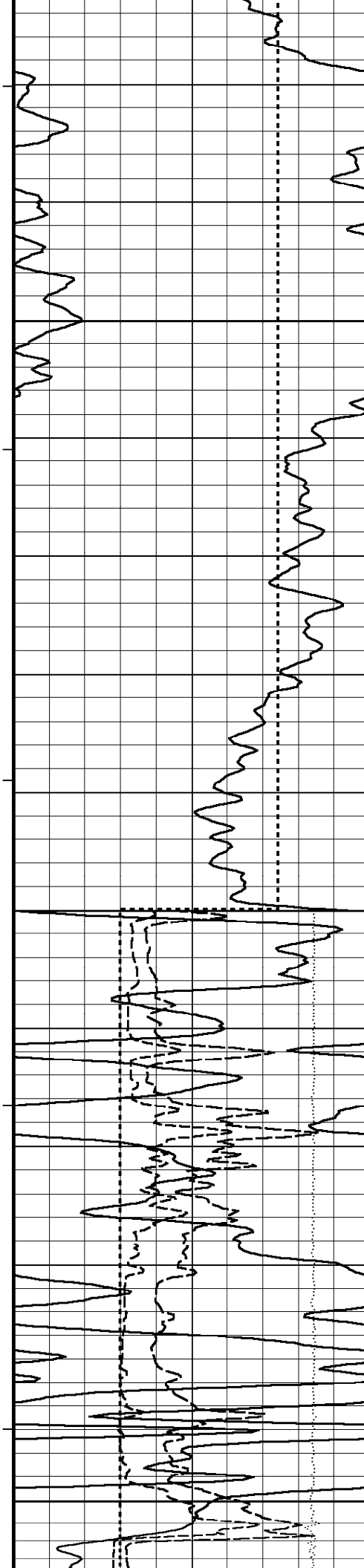
280

290

300

310





390

400

410

420

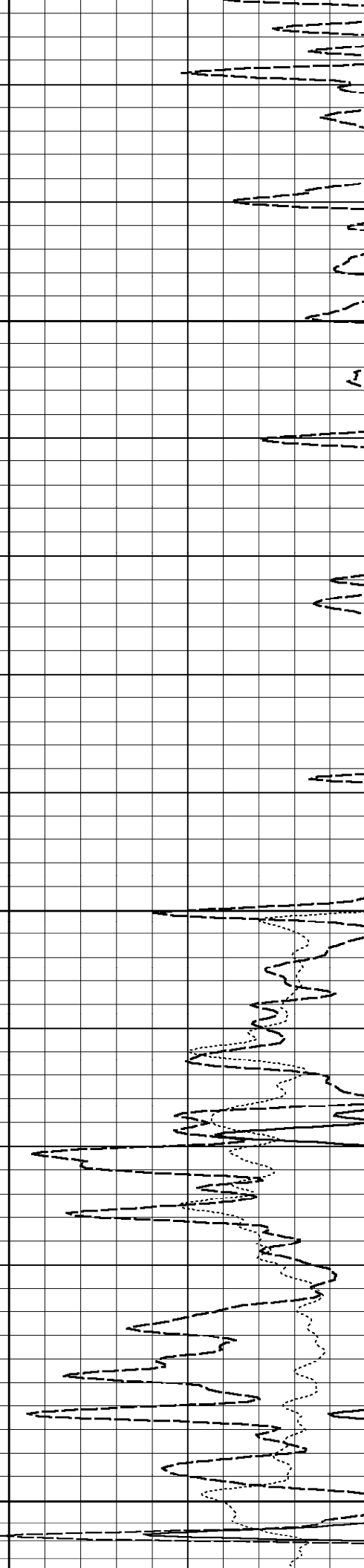
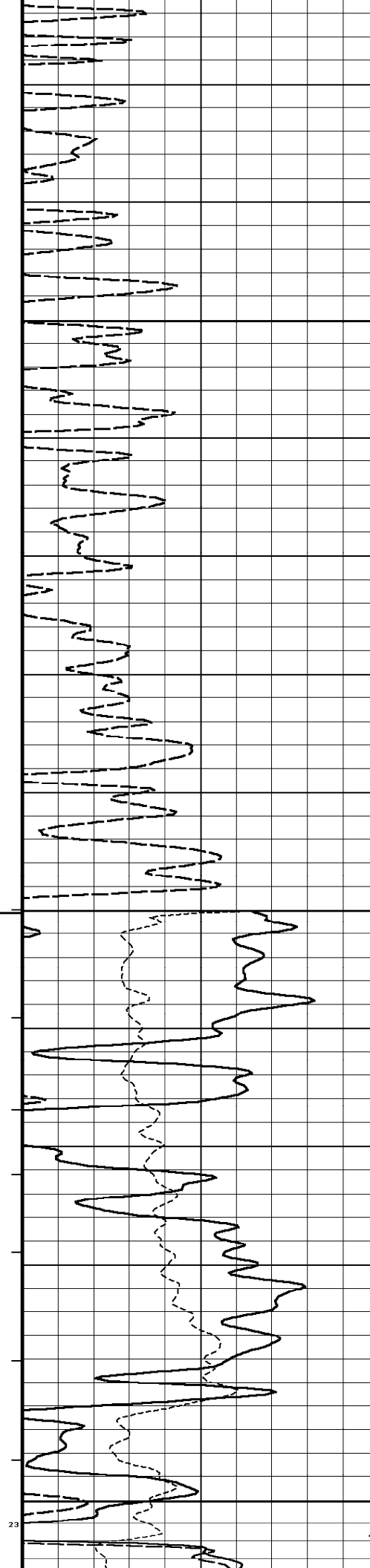
Casing
Shoe

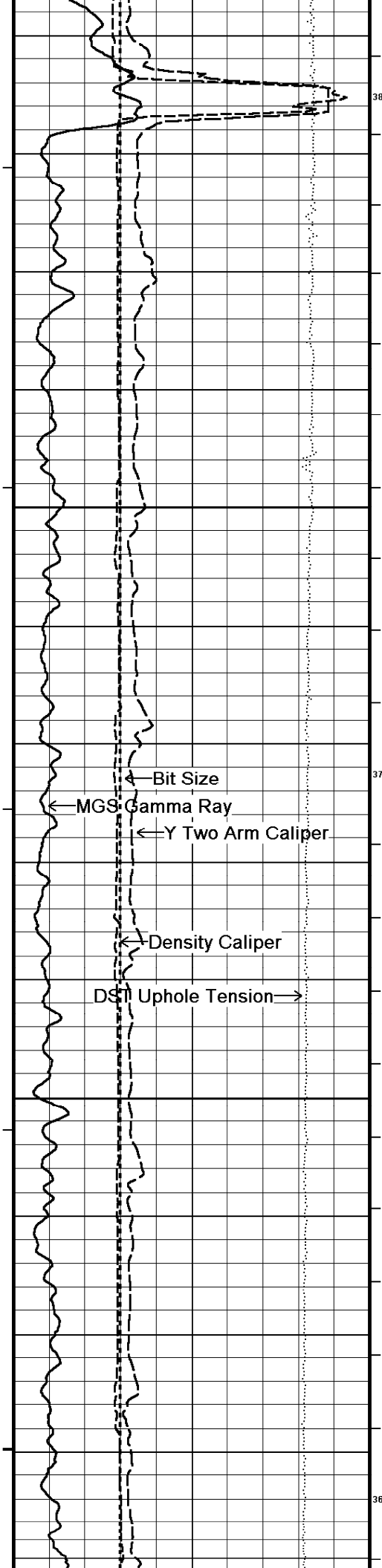
430

30"

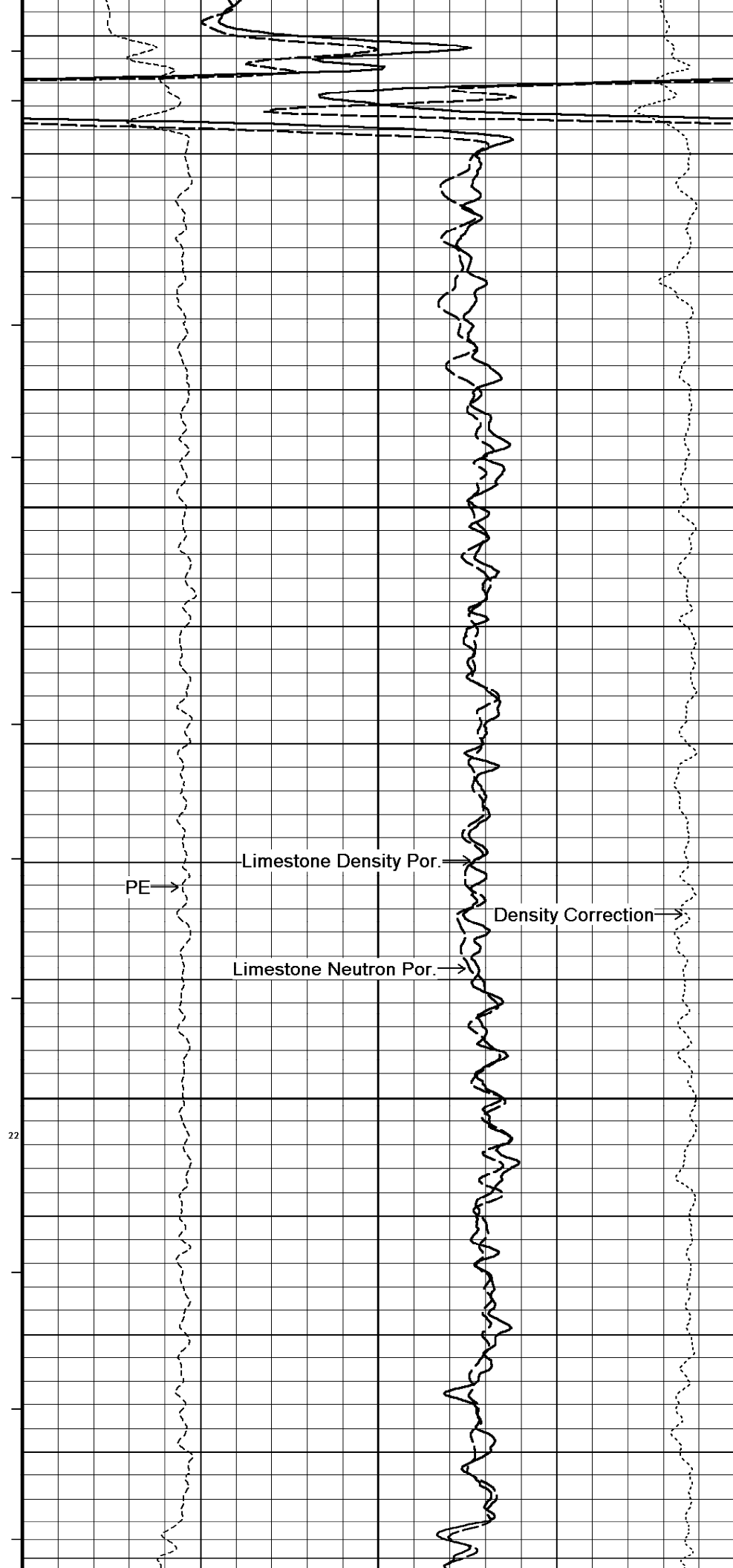
440

450



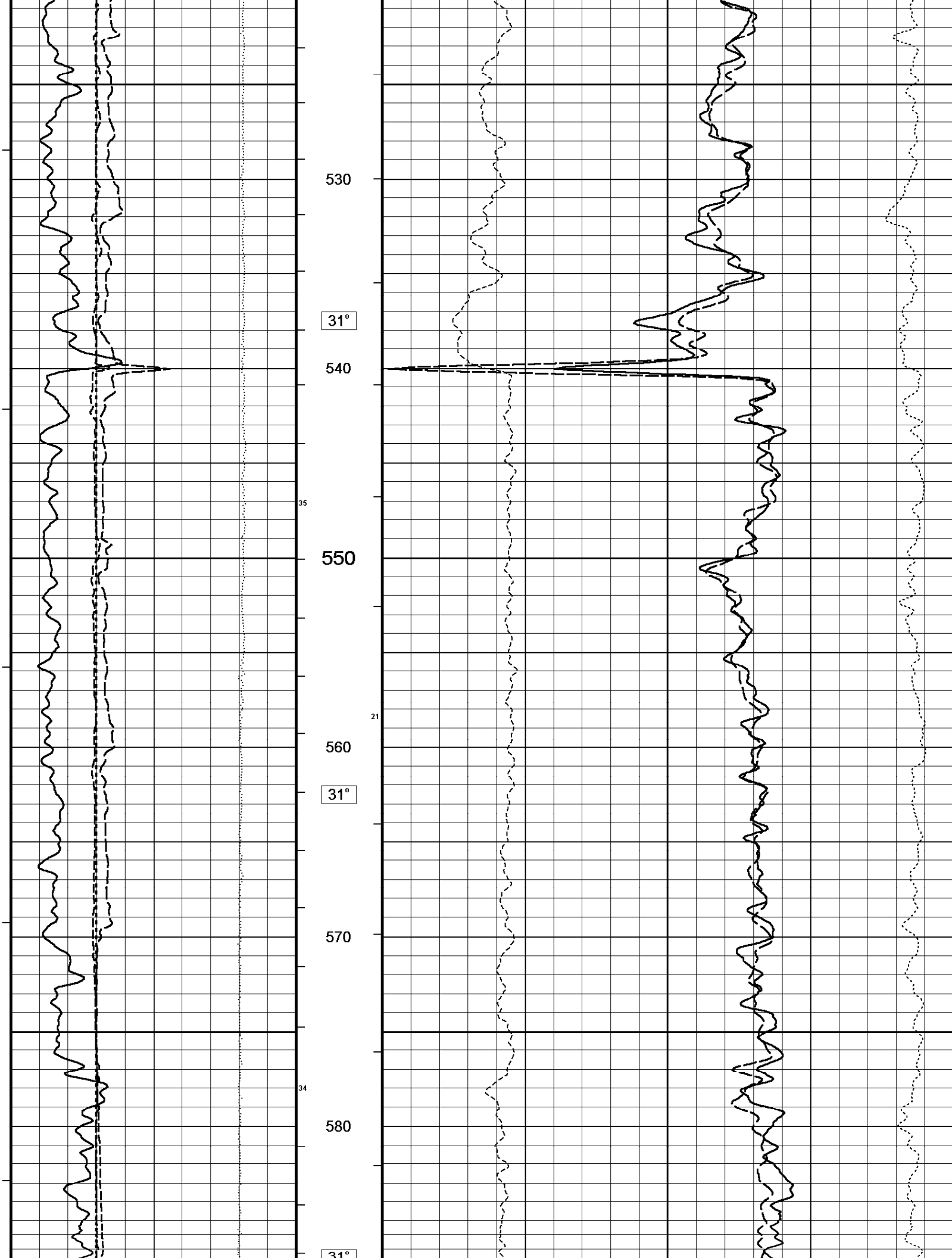


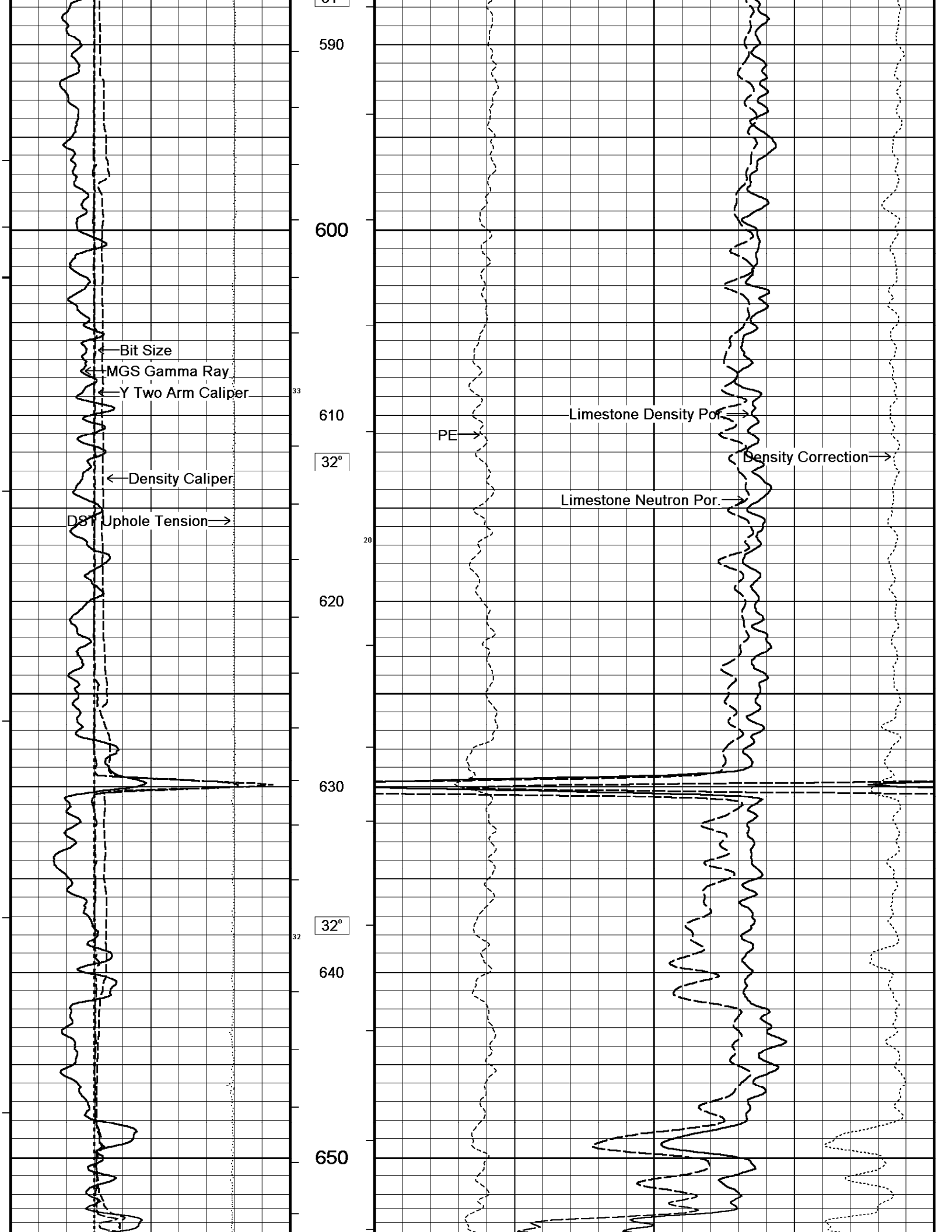
38
460
30°
470
480
37
490
30°
500
22
510
30°
36
520

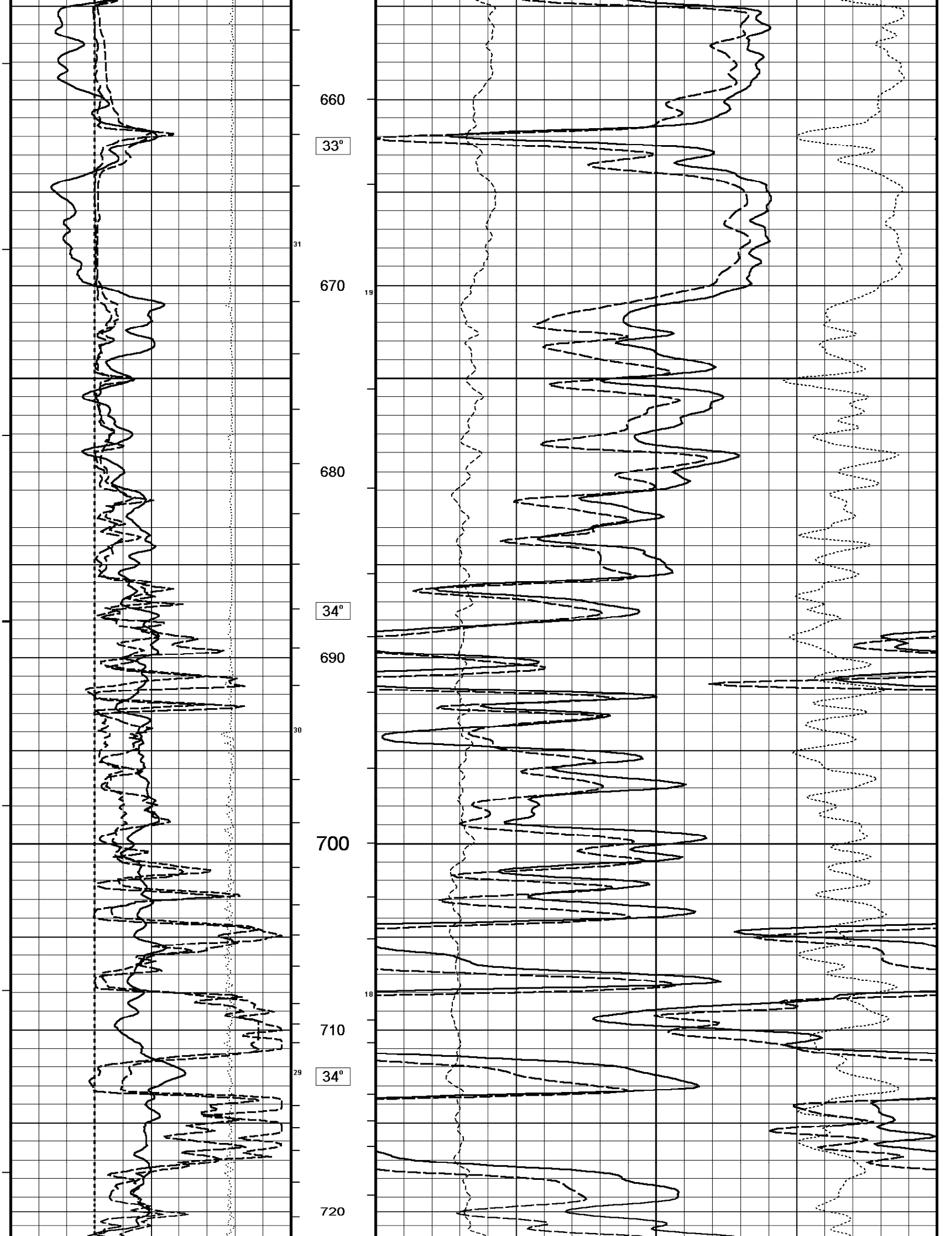


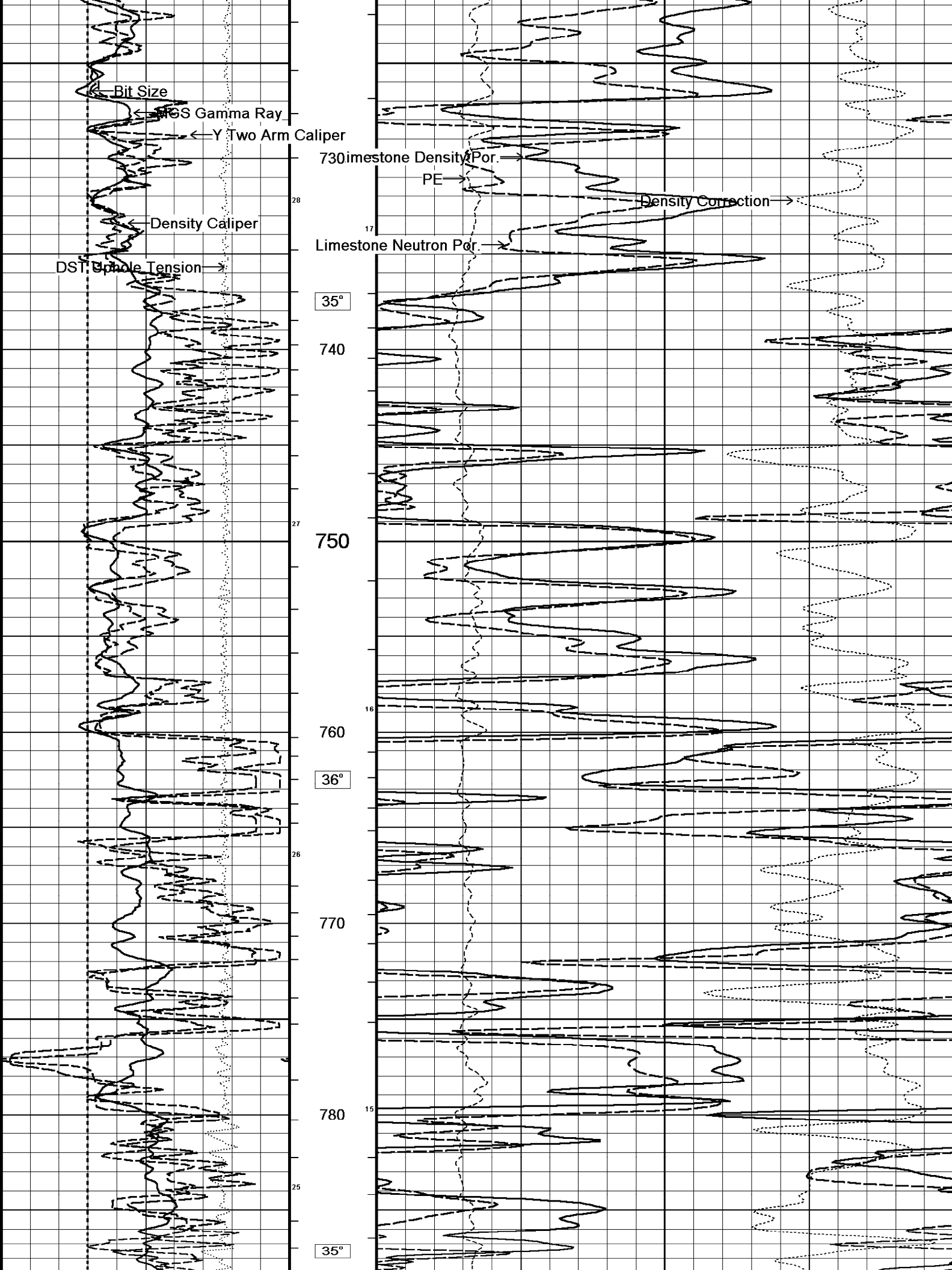
Bit Size
MGS Gamma Ray
Y Two Arm Caliper
Density Caliper
DST Uphole Tension

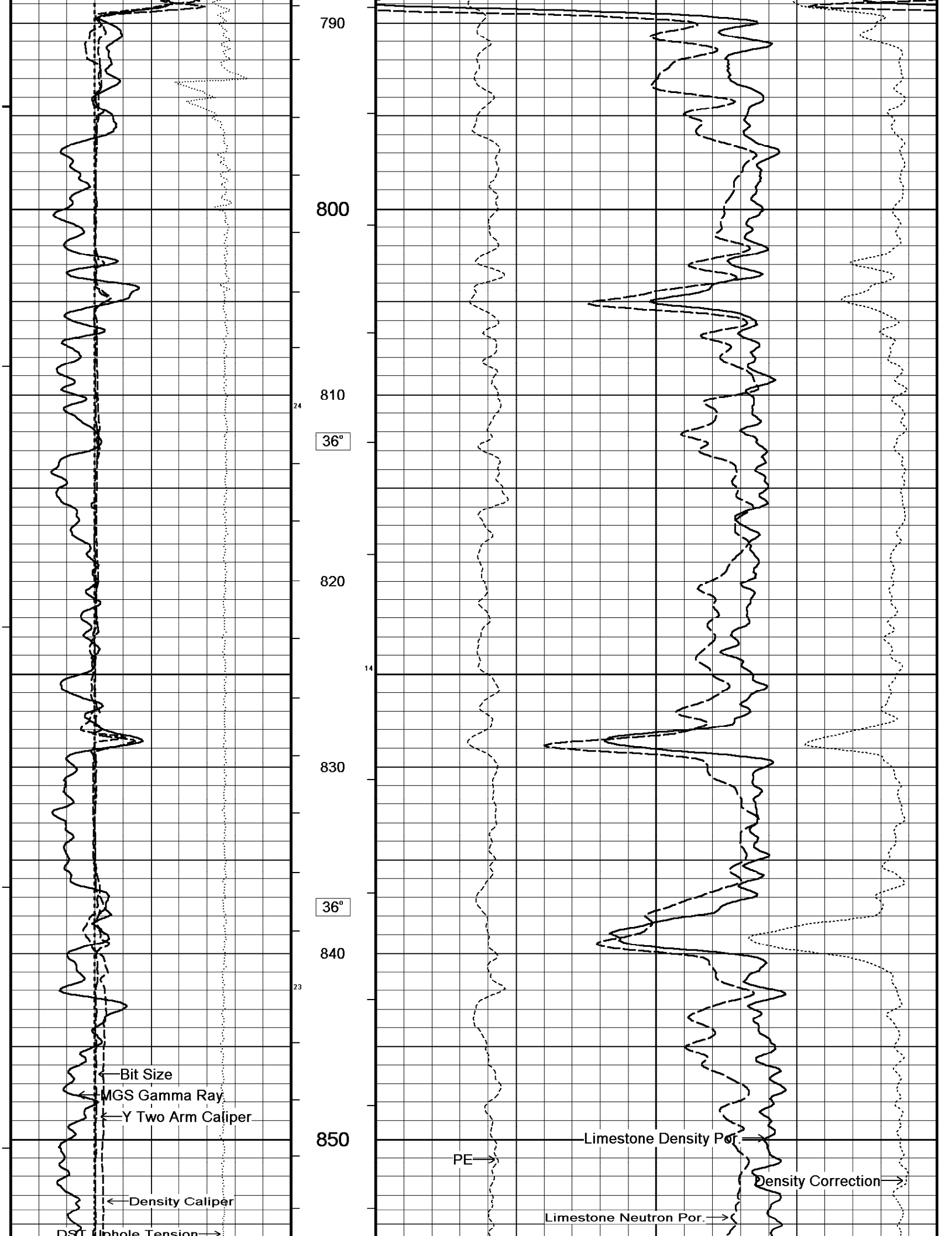
PE
Limestone Density Por.
Limestone Neutron Por.
Density Correction

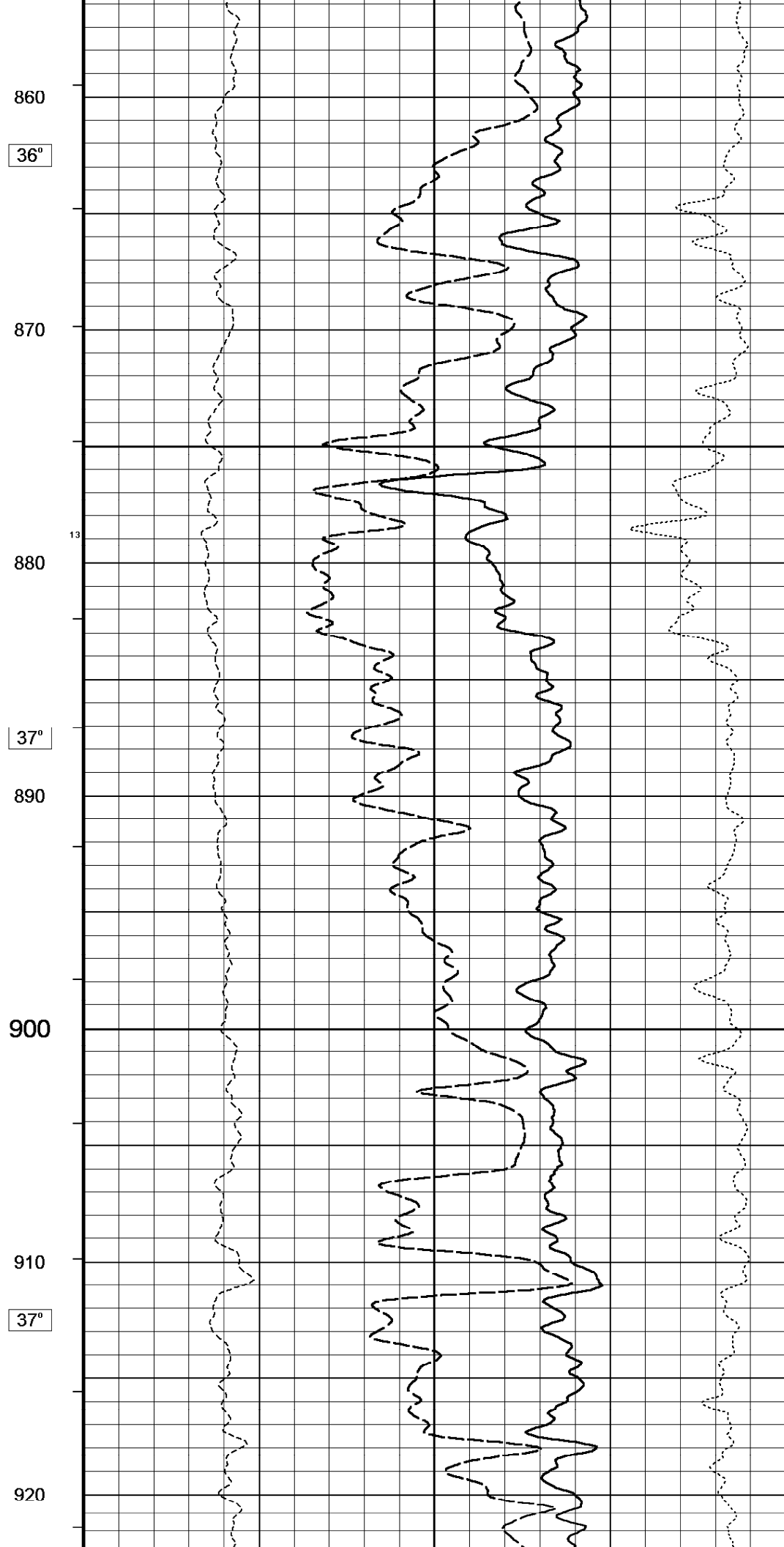
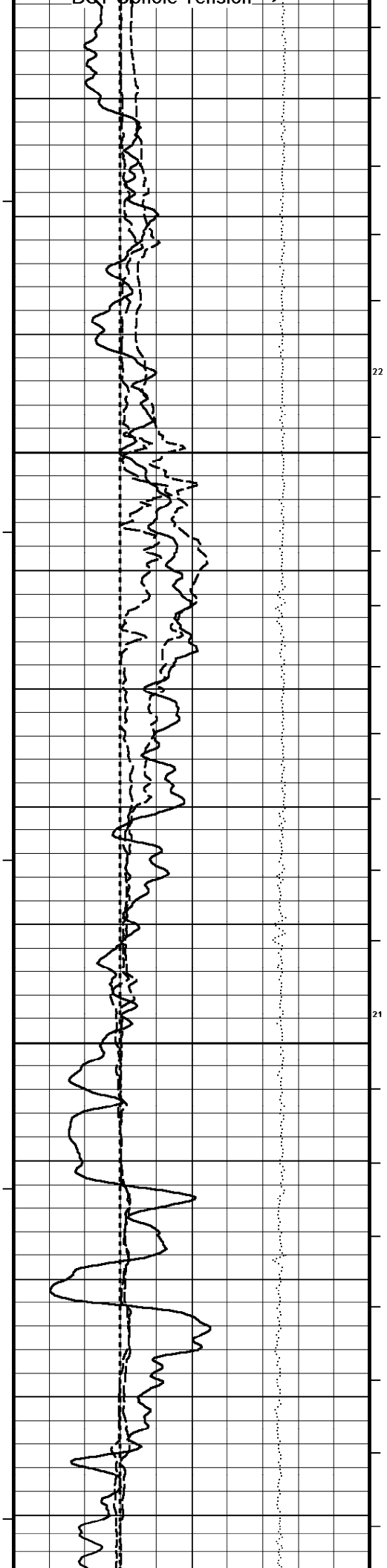


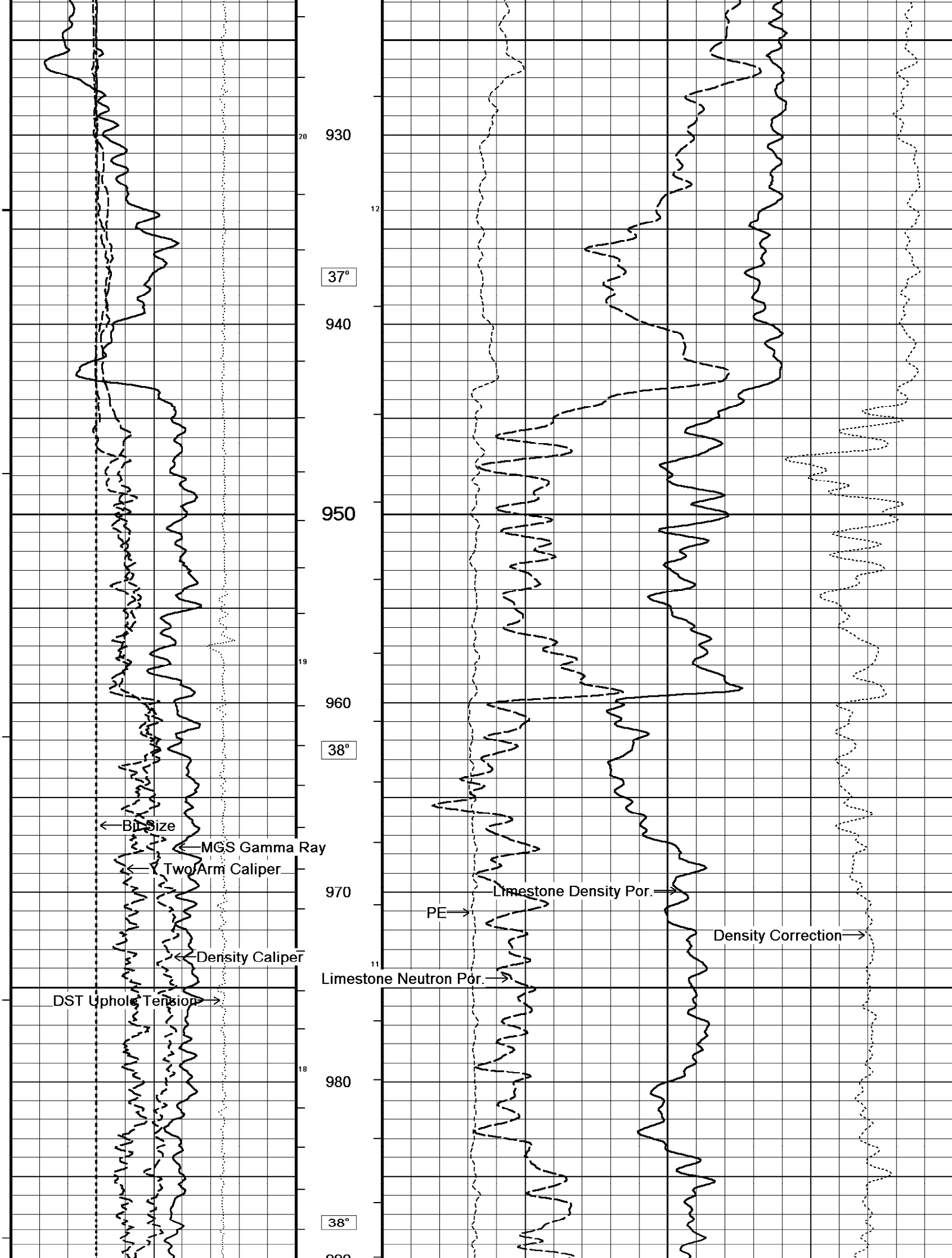


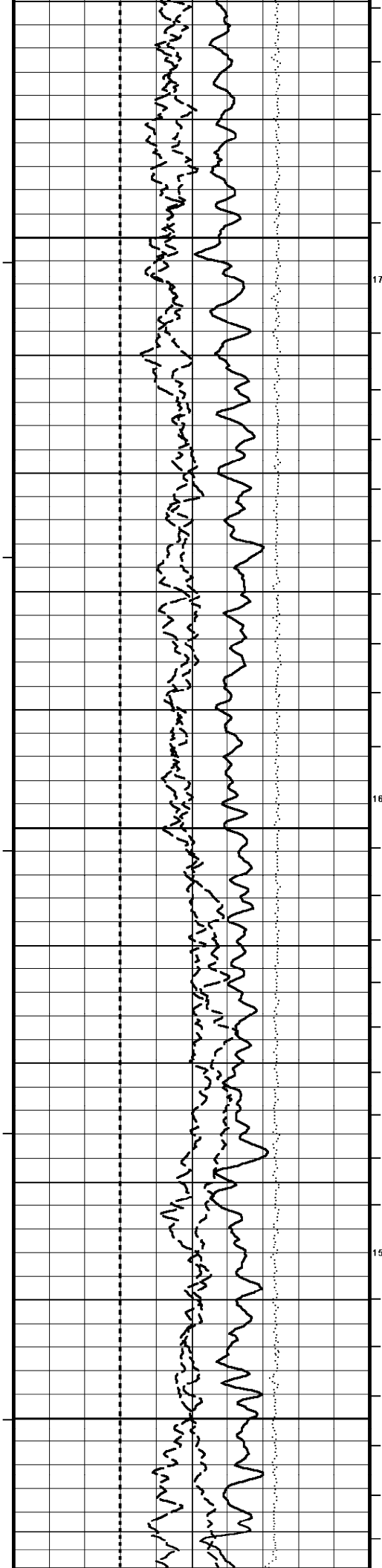




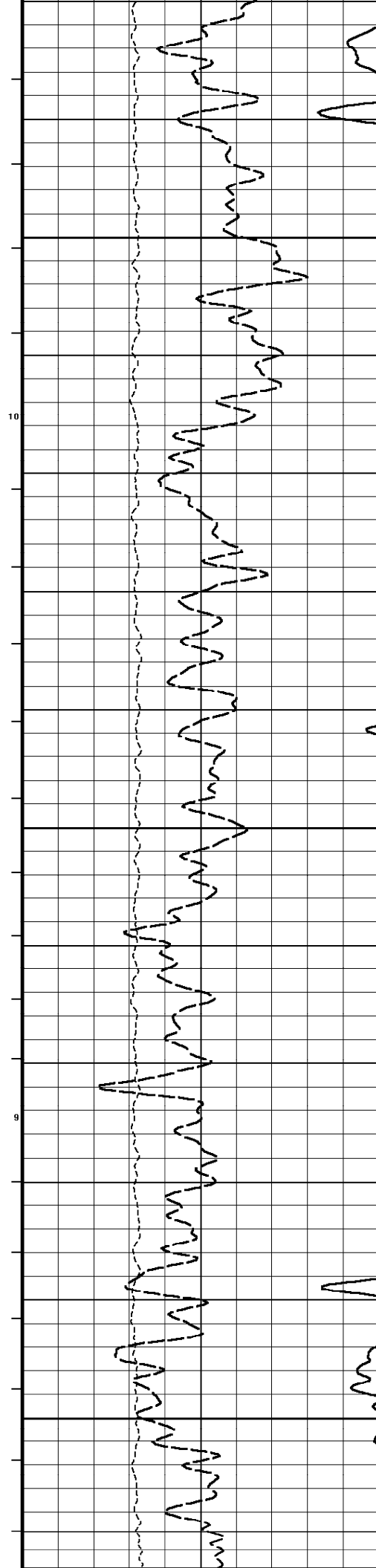




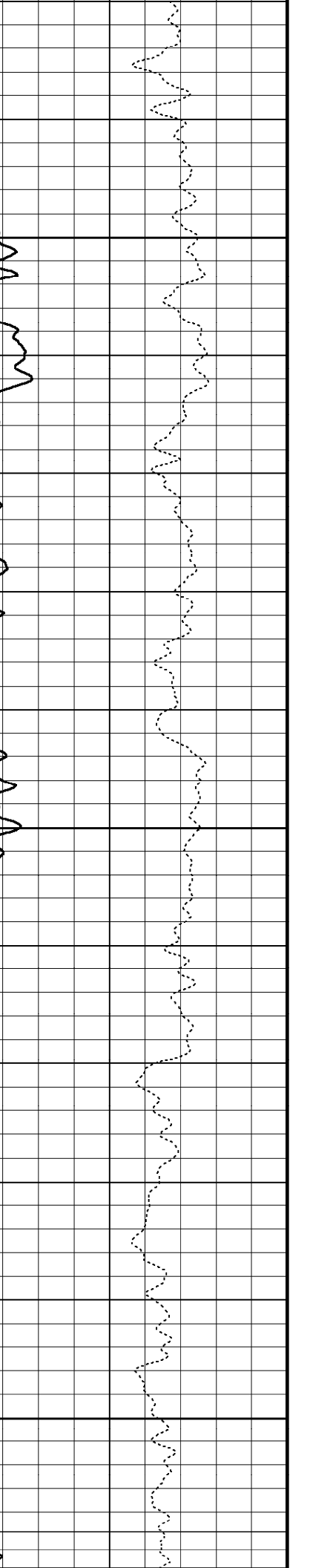


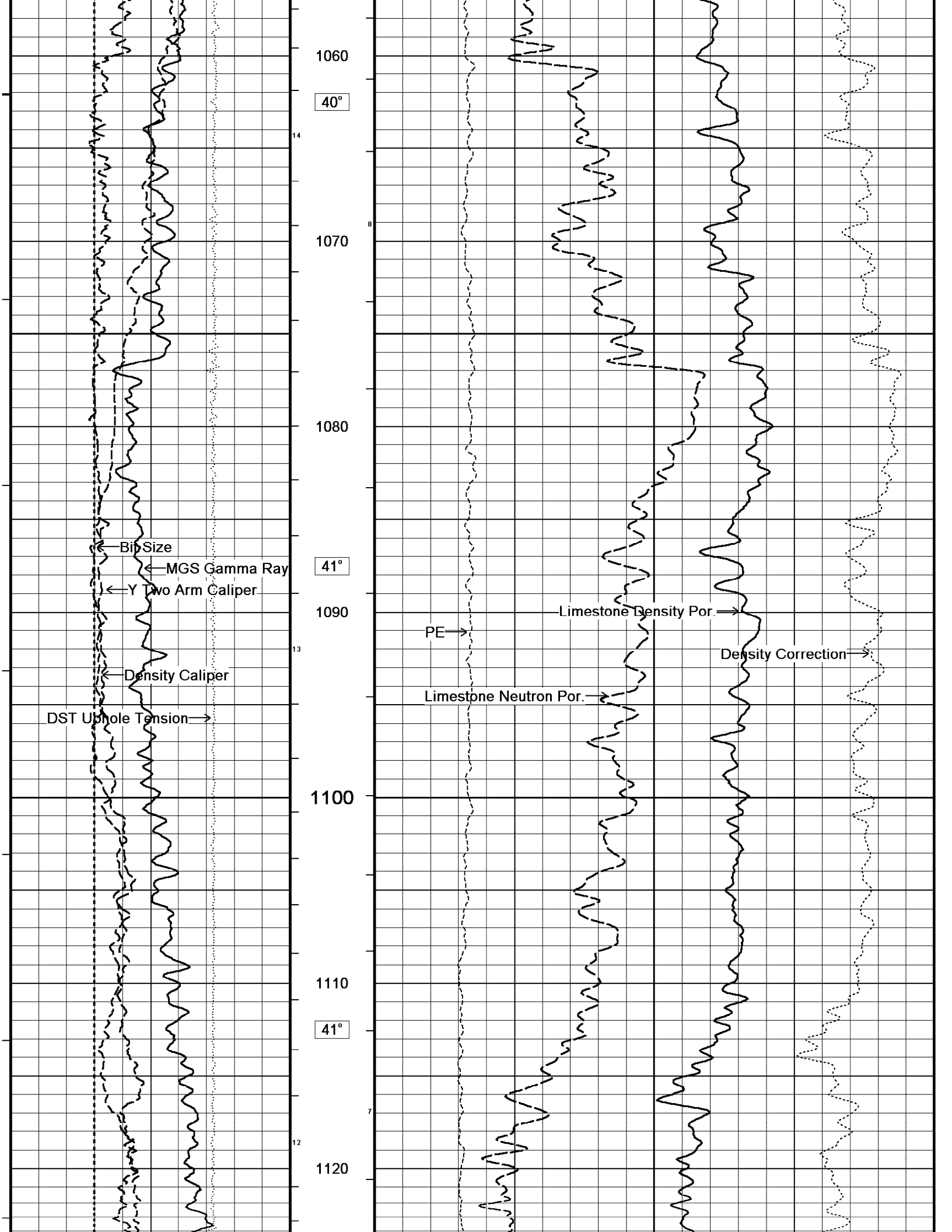


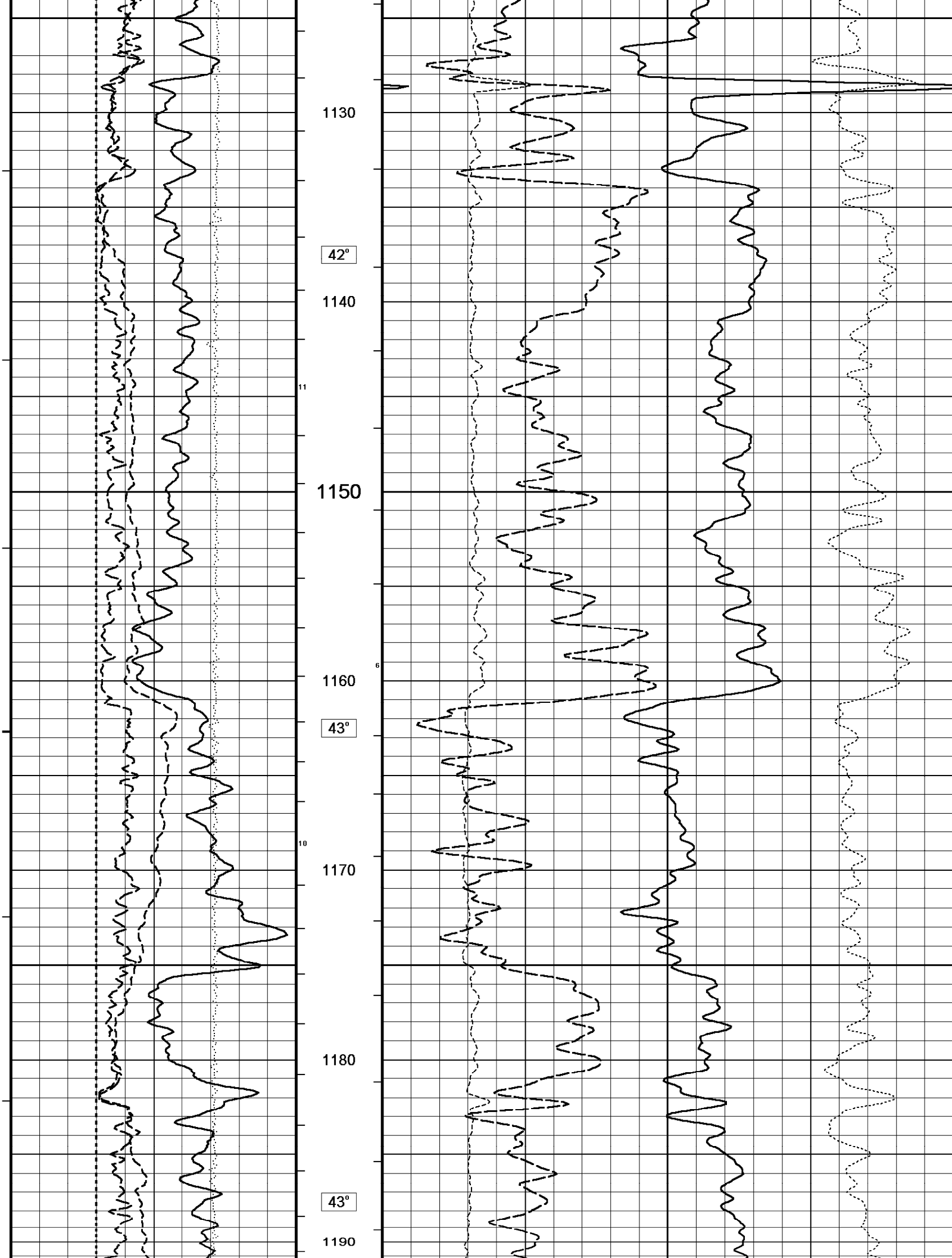
39°

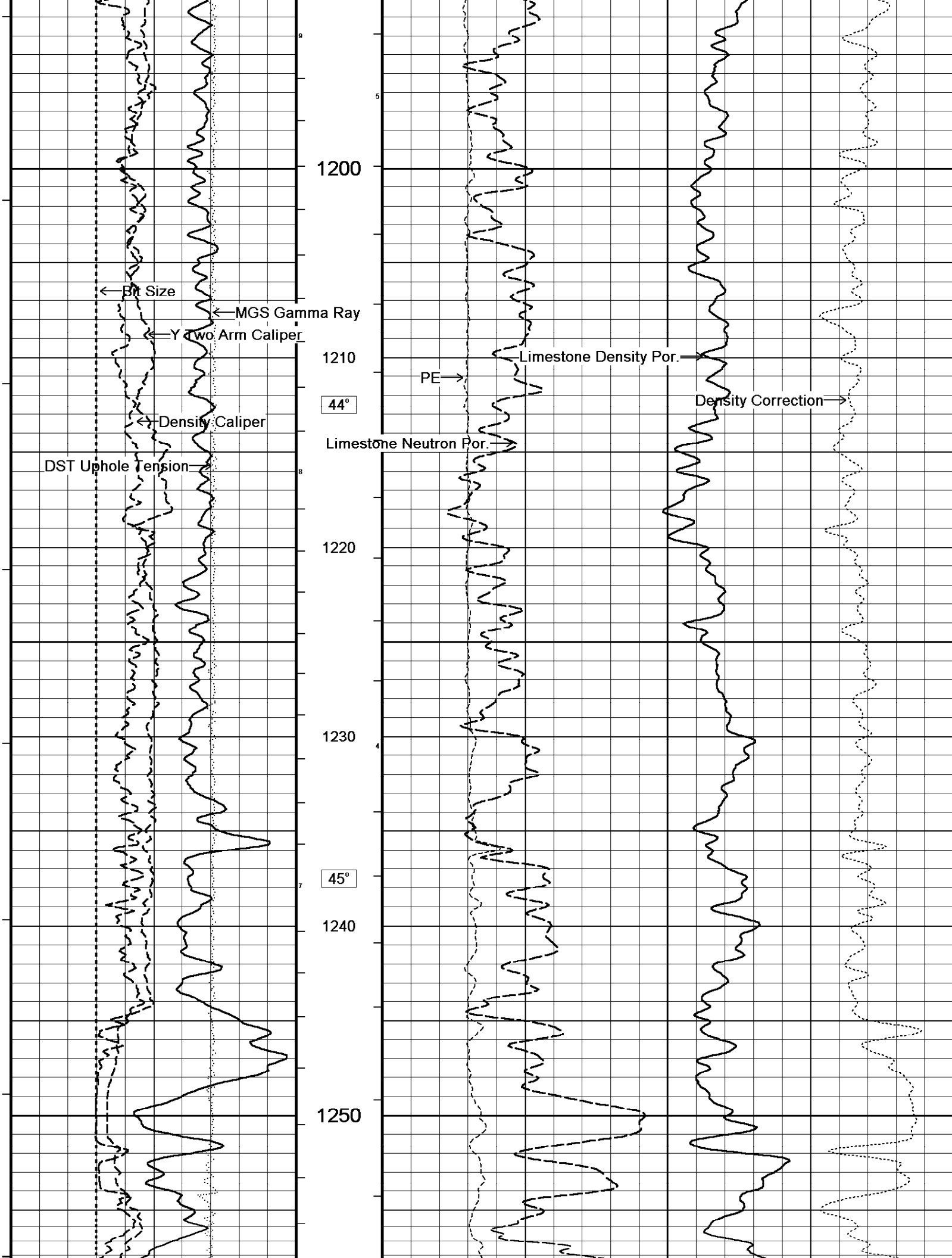


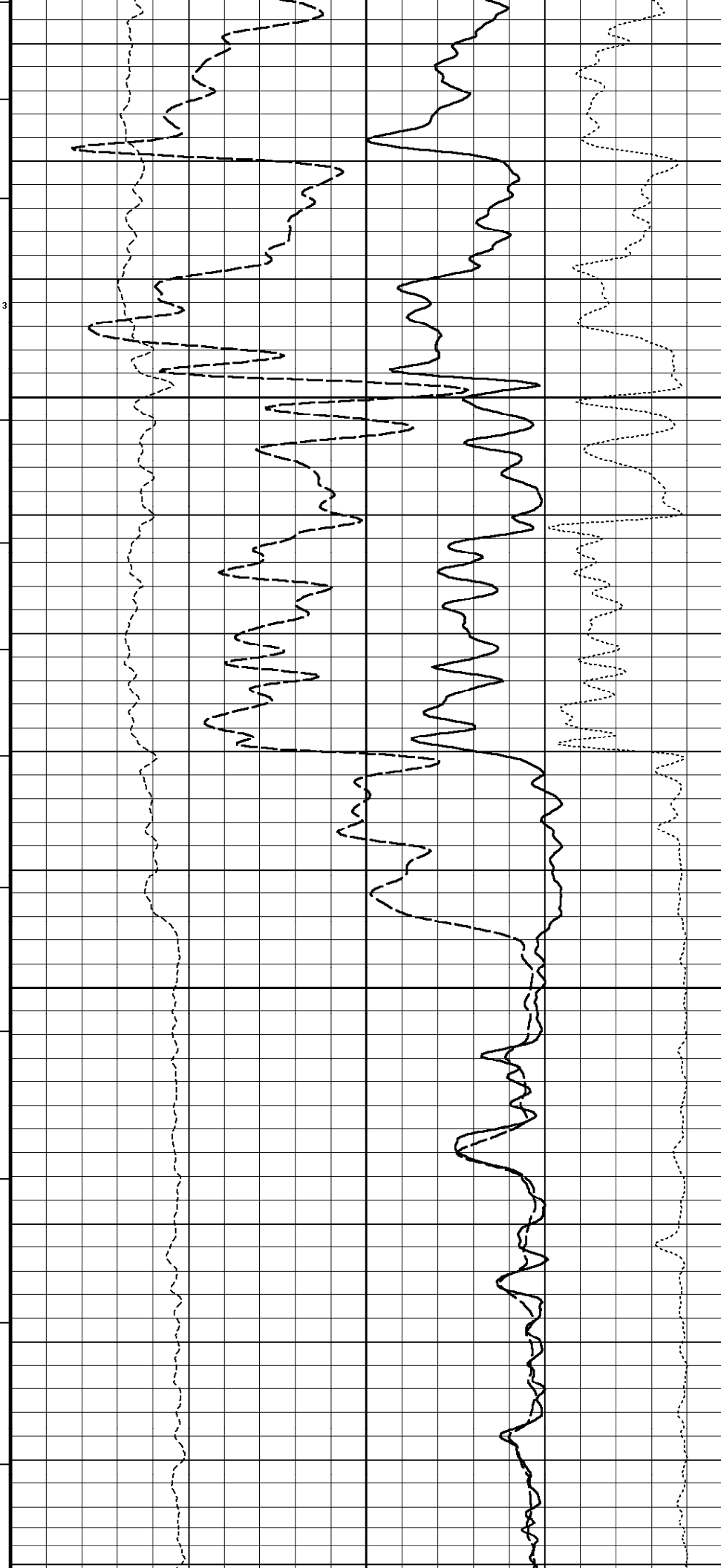
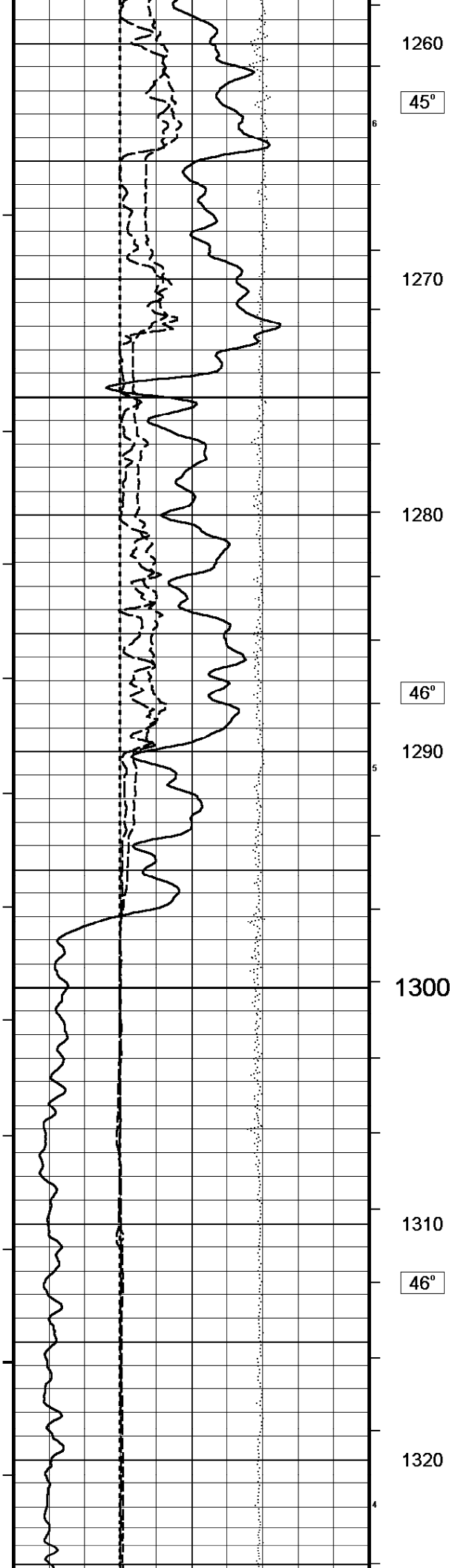
40°

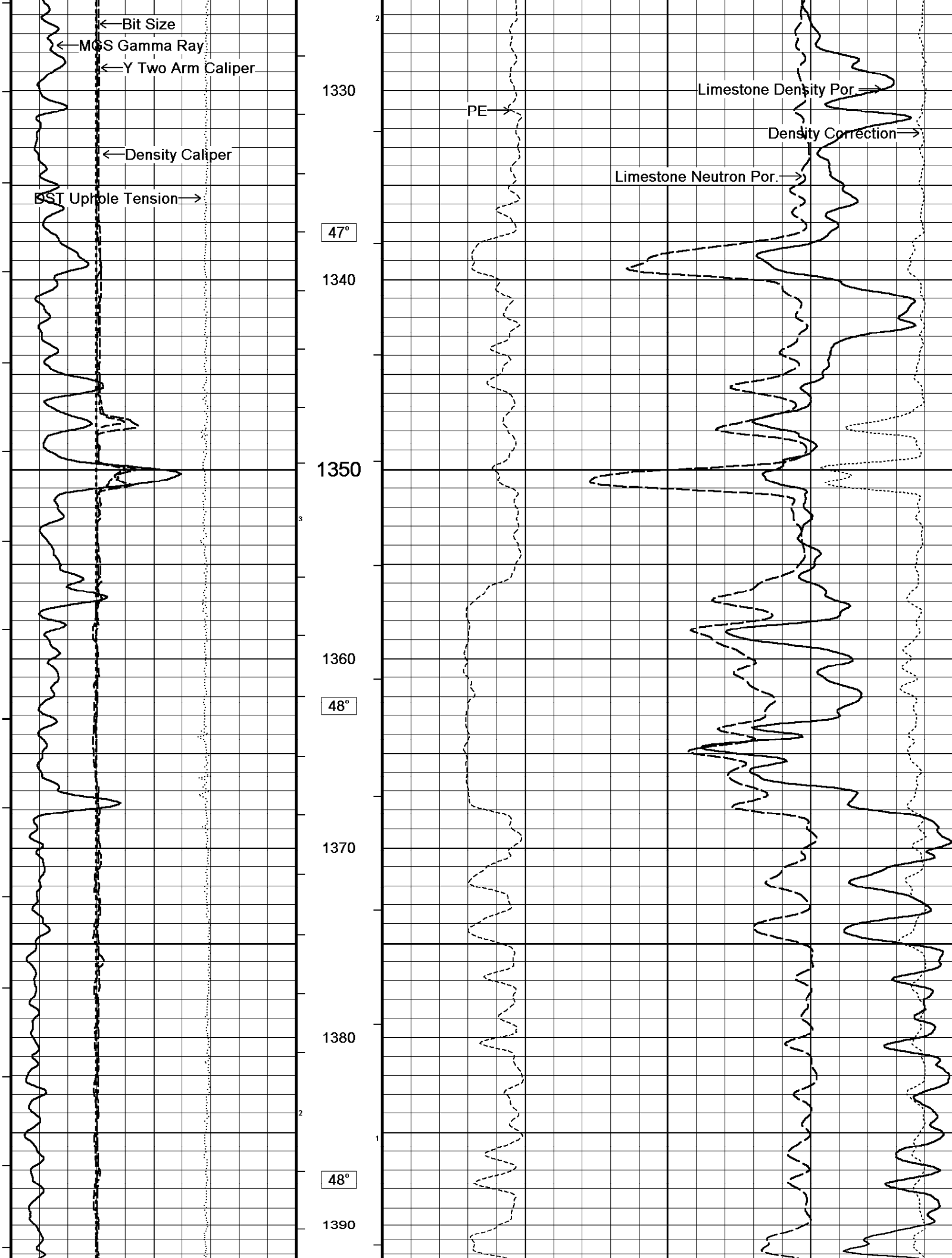


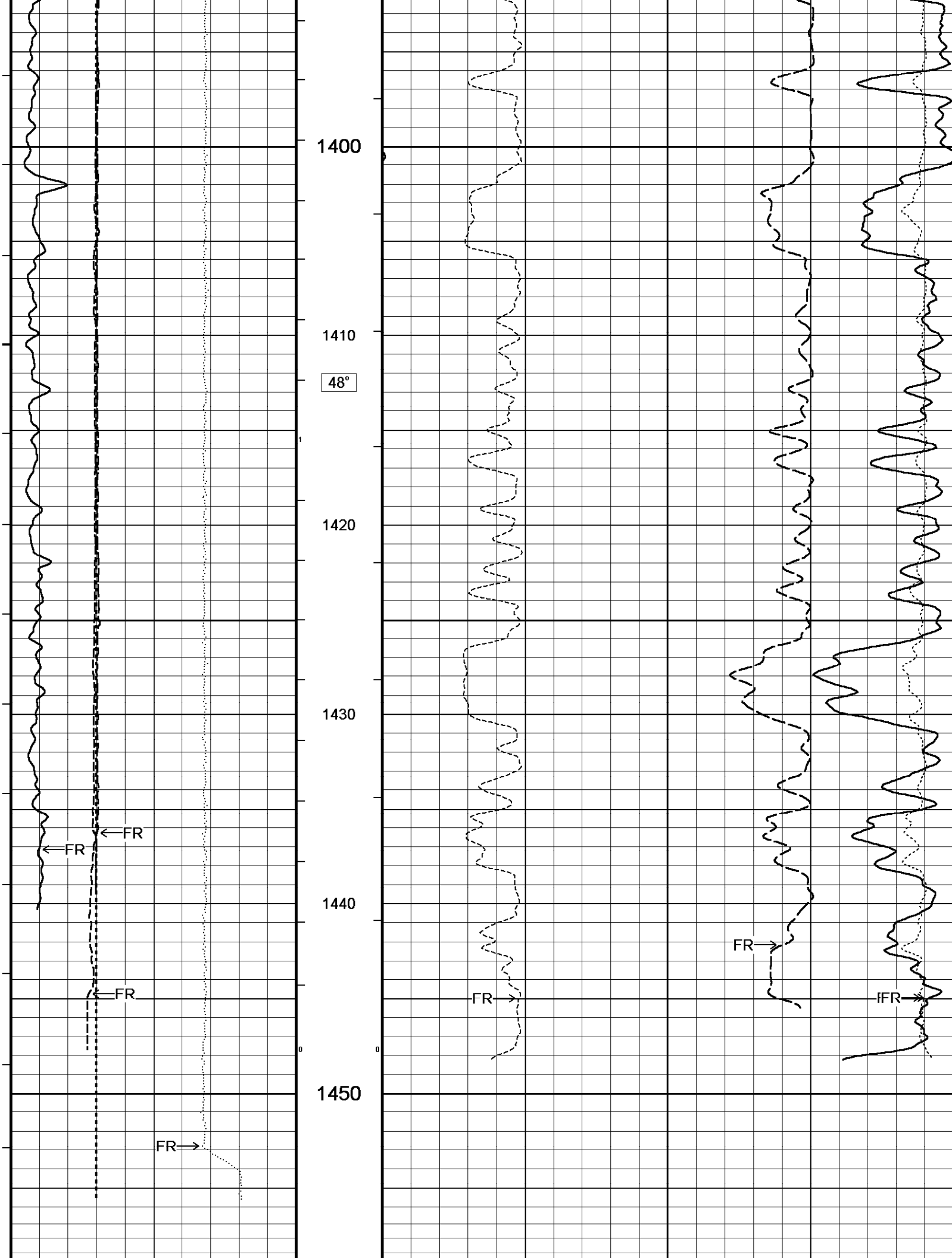


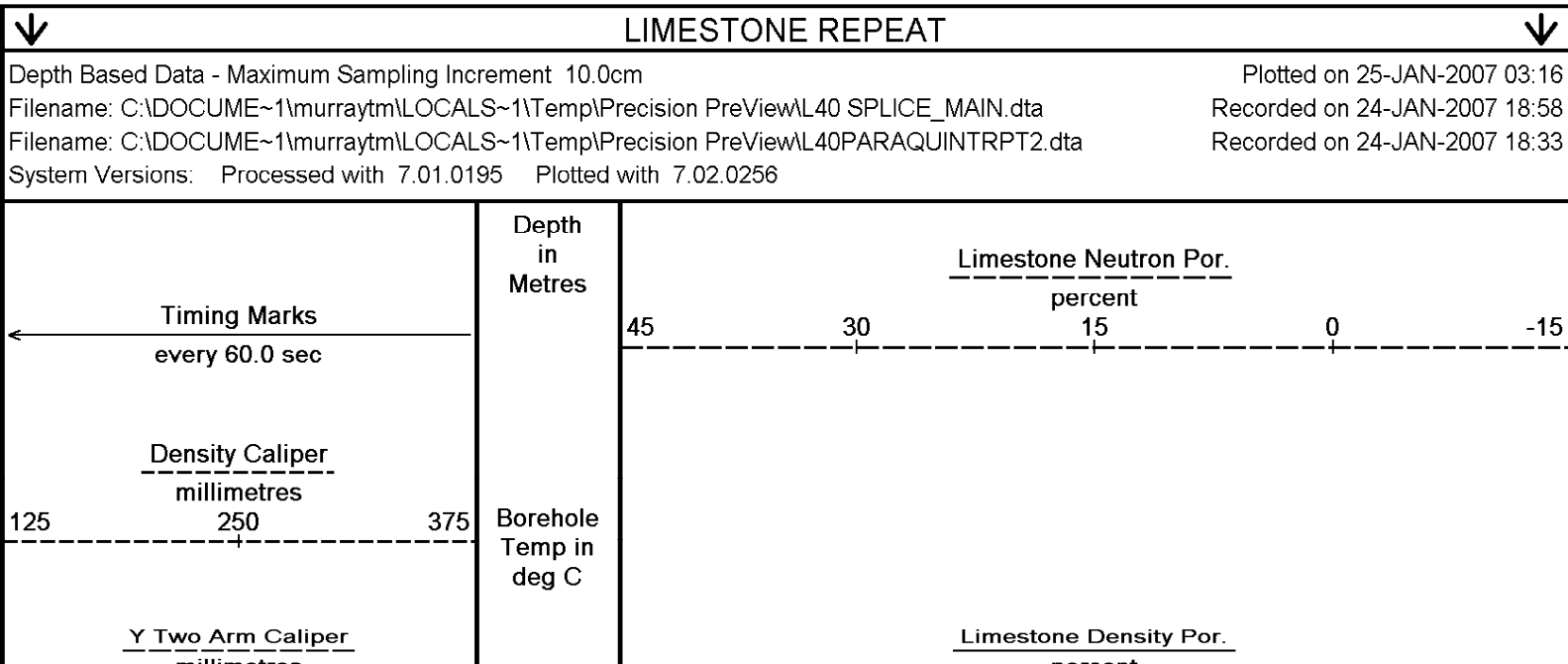
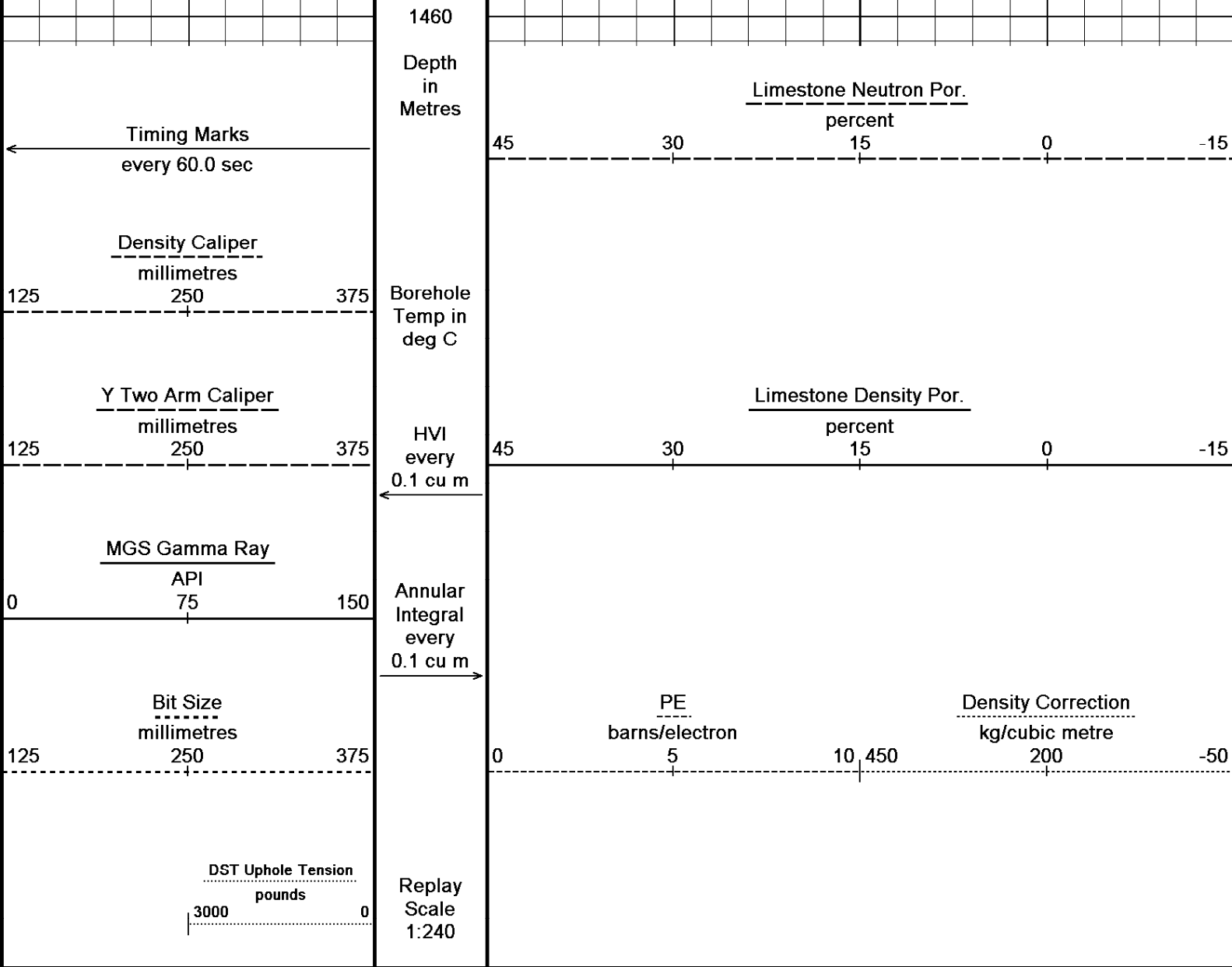


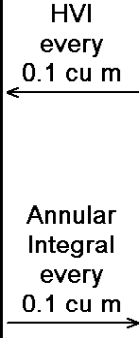
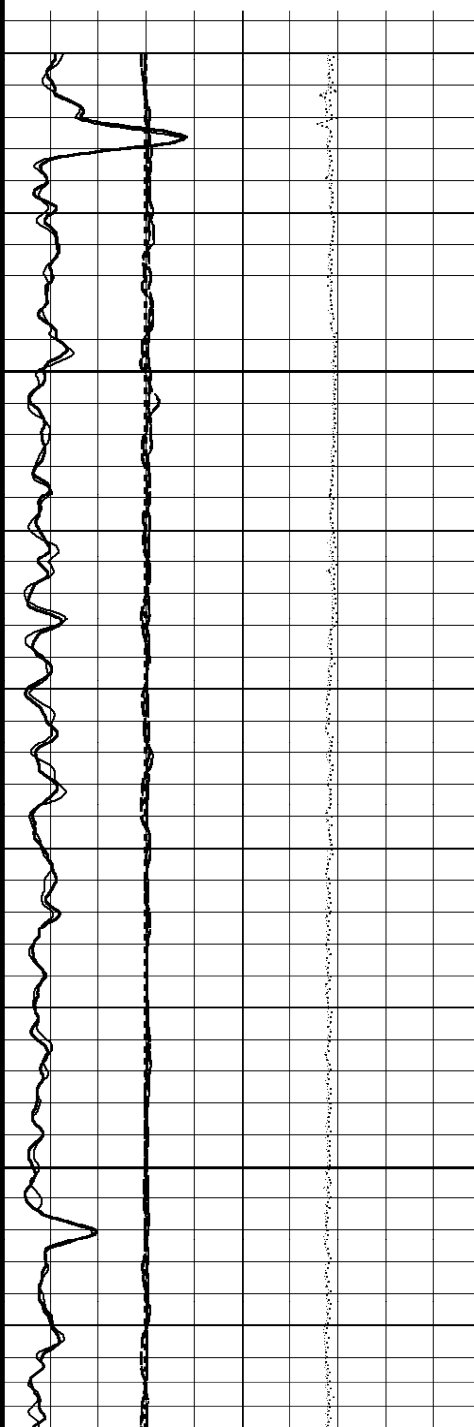
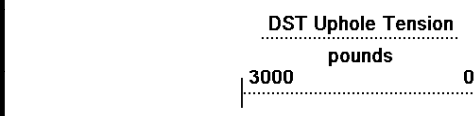
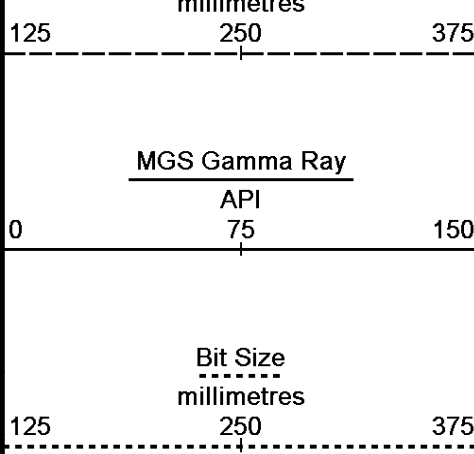








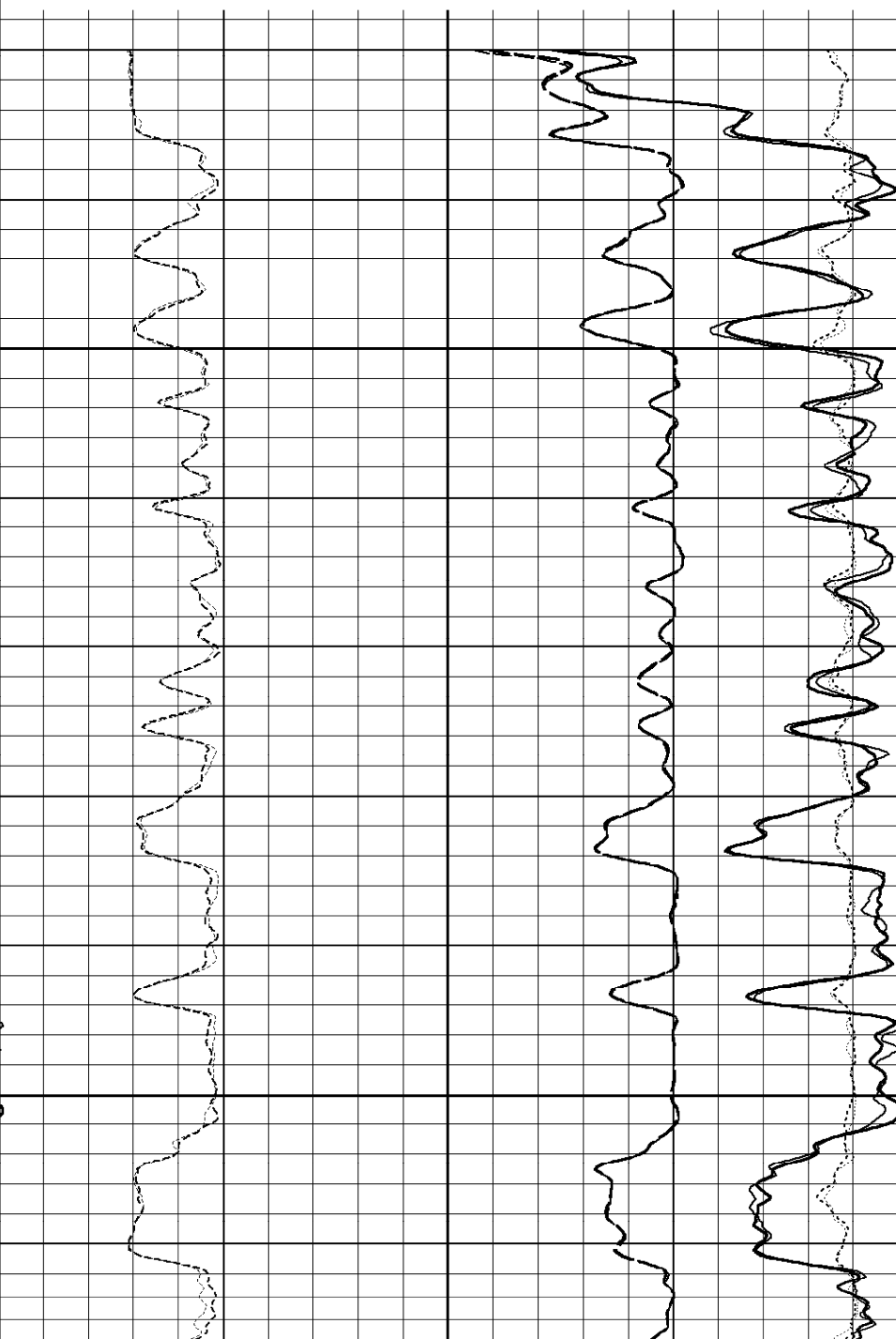
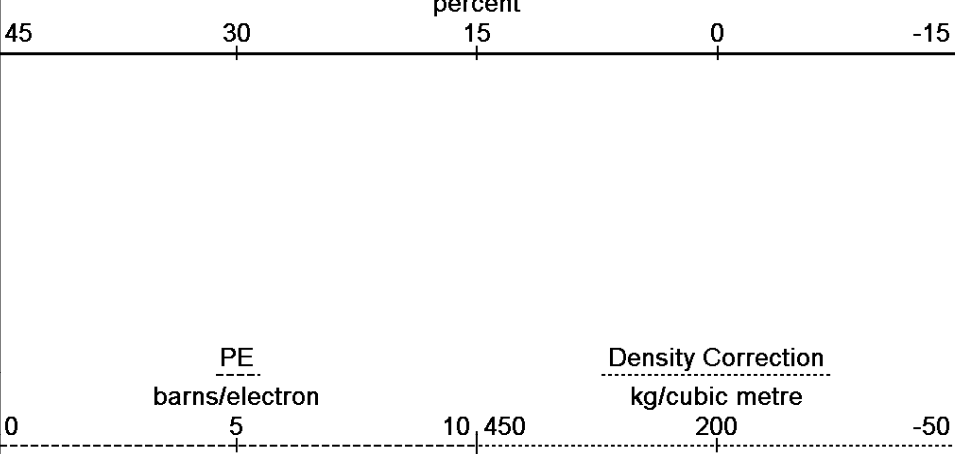
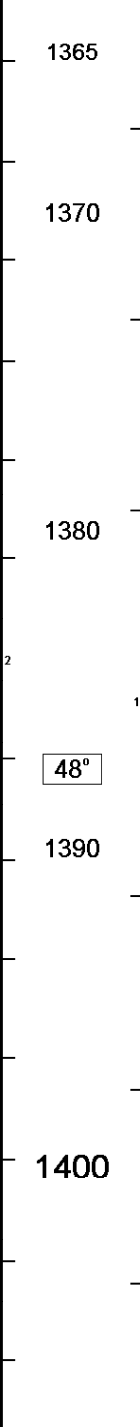


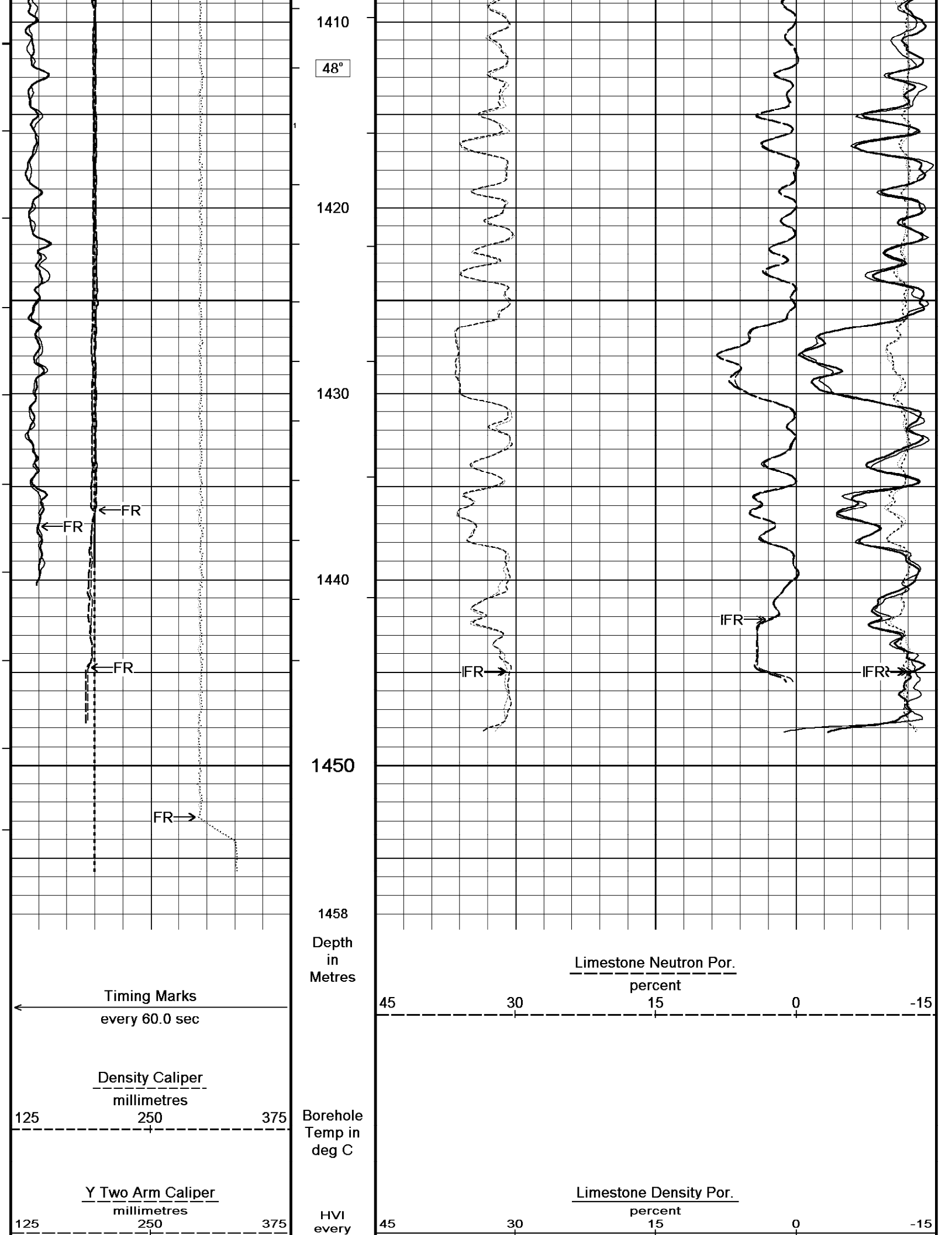


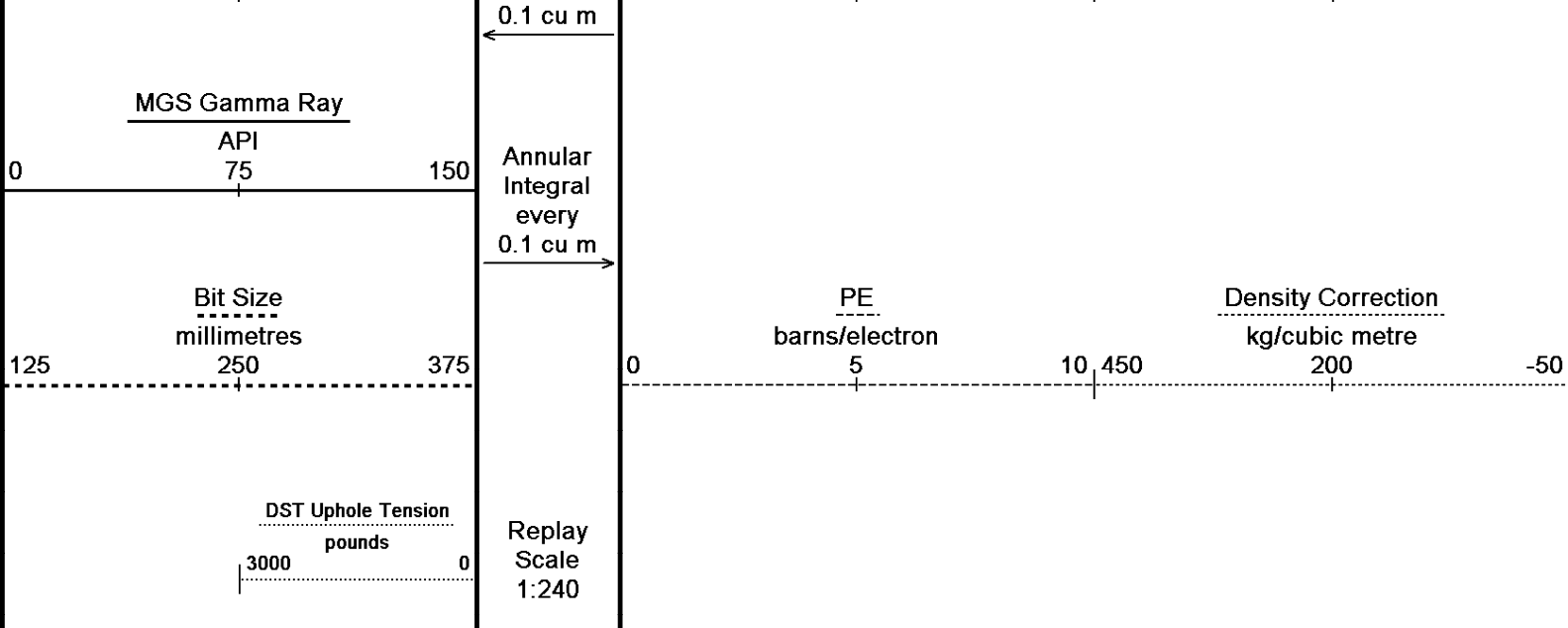
Replay

Scale

1:240





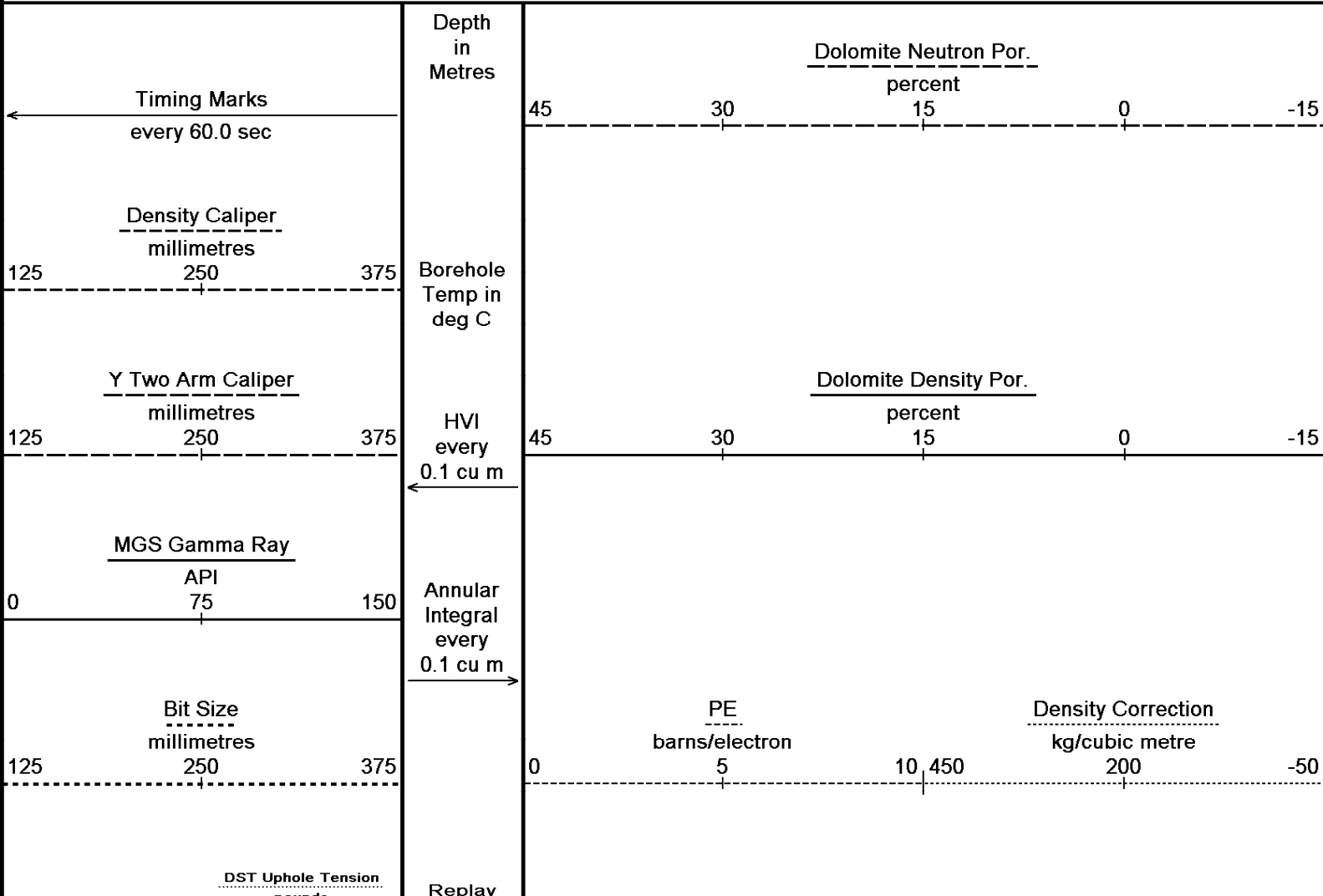


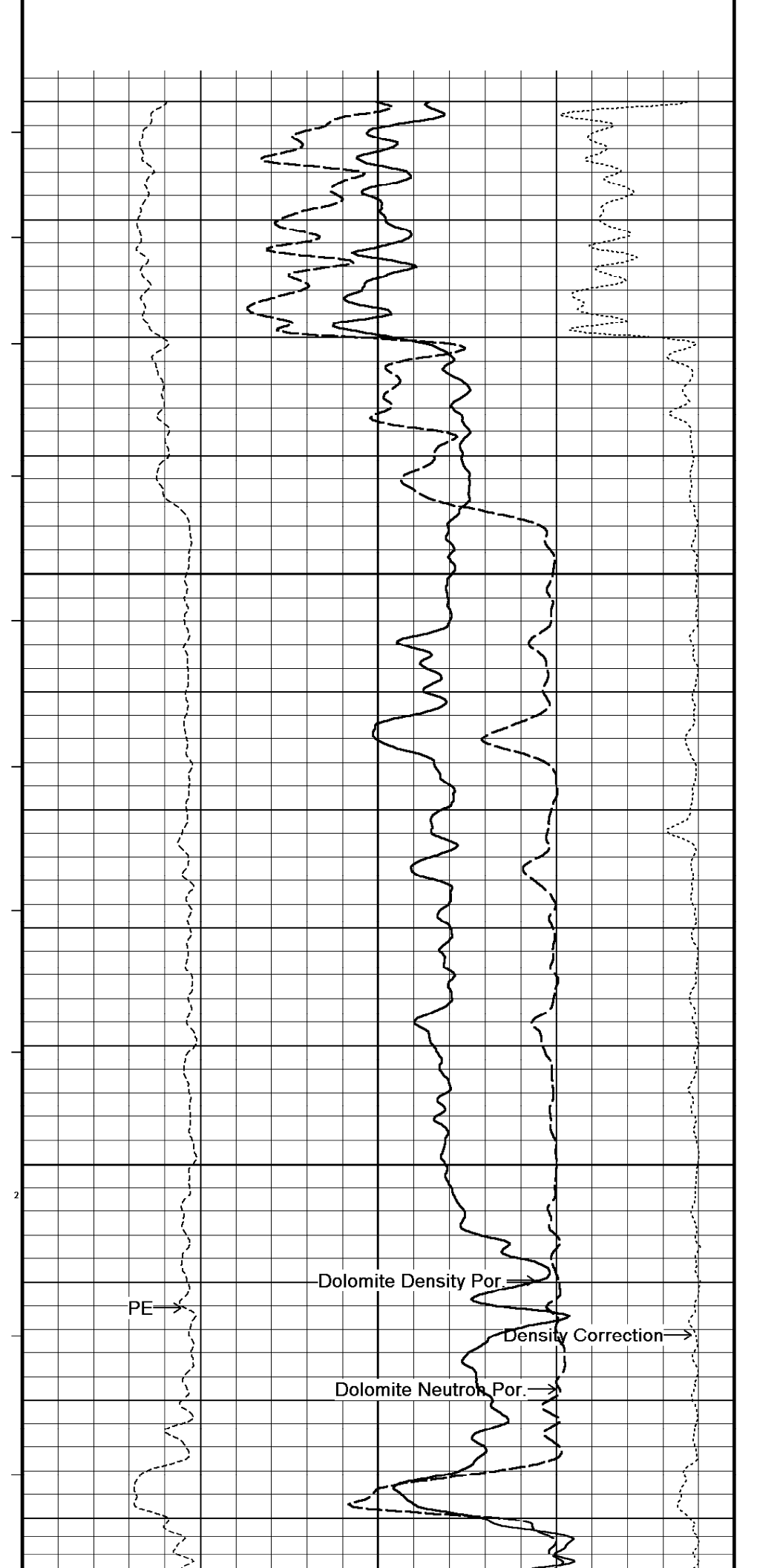
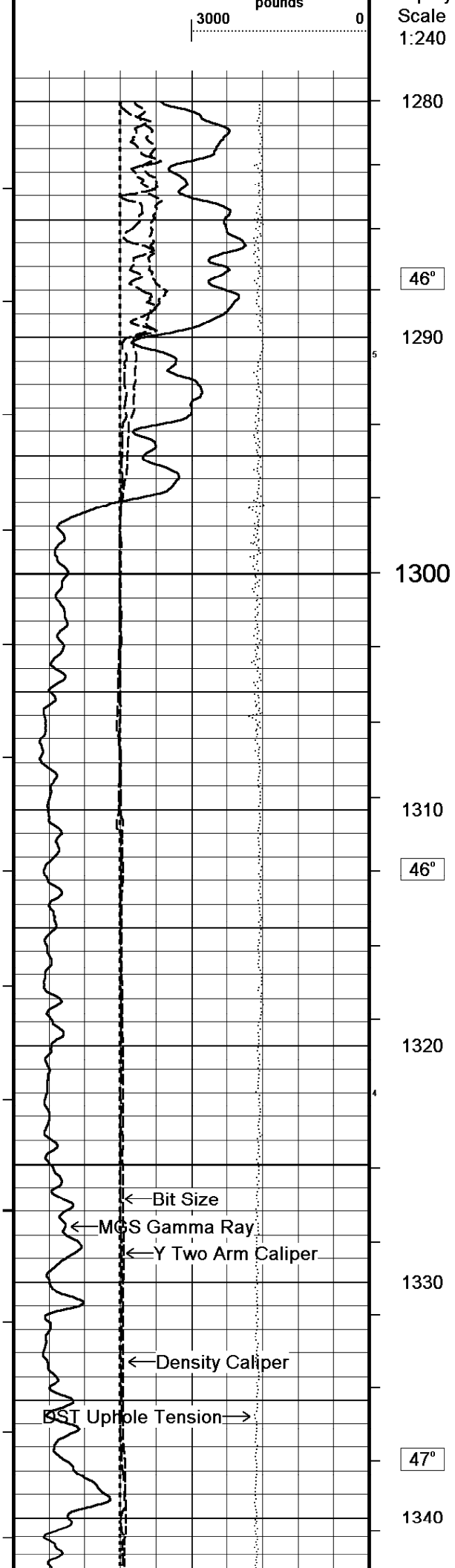
Depth Based Data - Maximum Sampling Increment 10.0cm
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Filename: C:\DOCUME~1\murraytm\LOCALS~1\Temp\Precision PreView\L40PARAQUINTRPT2.dta
System Versions: Processed with 7.01.0195 Plotted with 7.02.0256

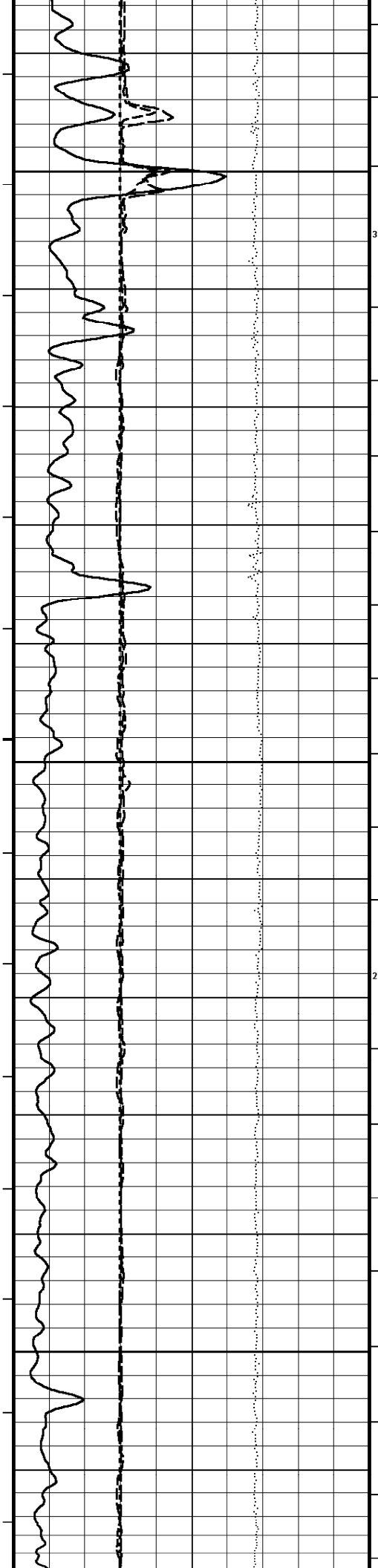
LIMESTONE REPEAT

DOLOMITE MAIN LOG

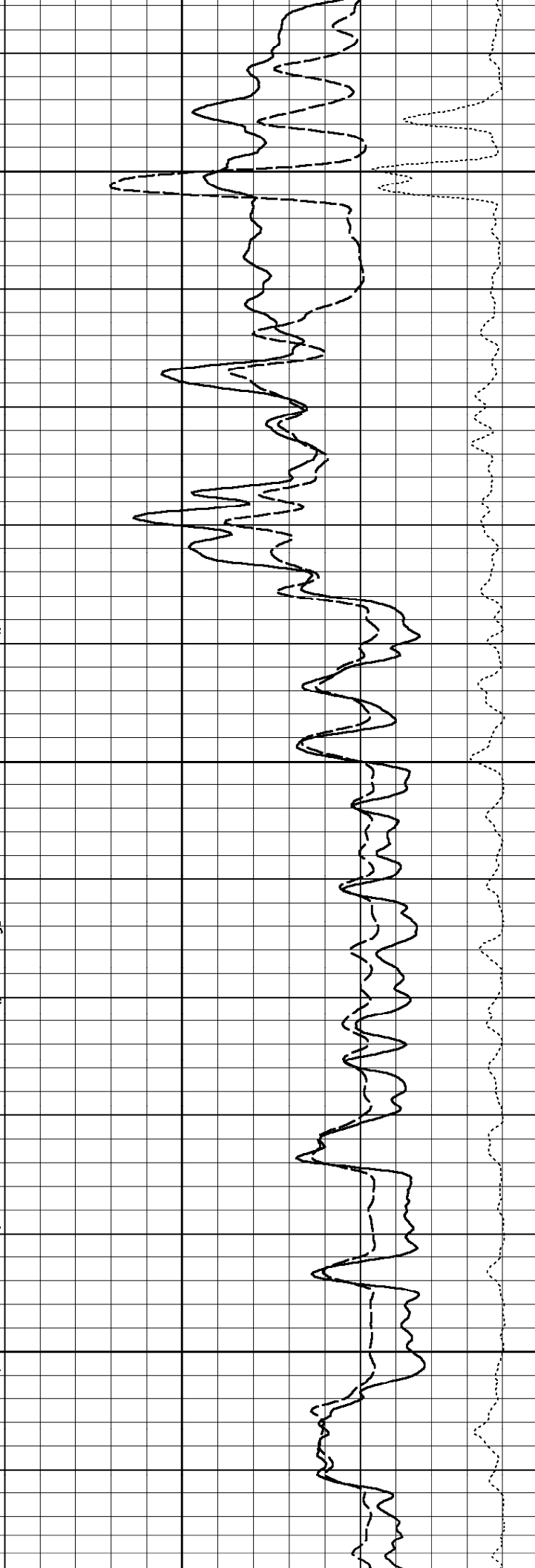
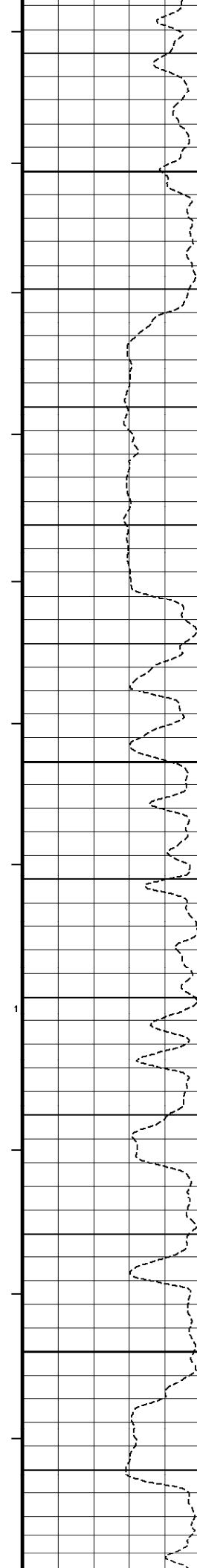
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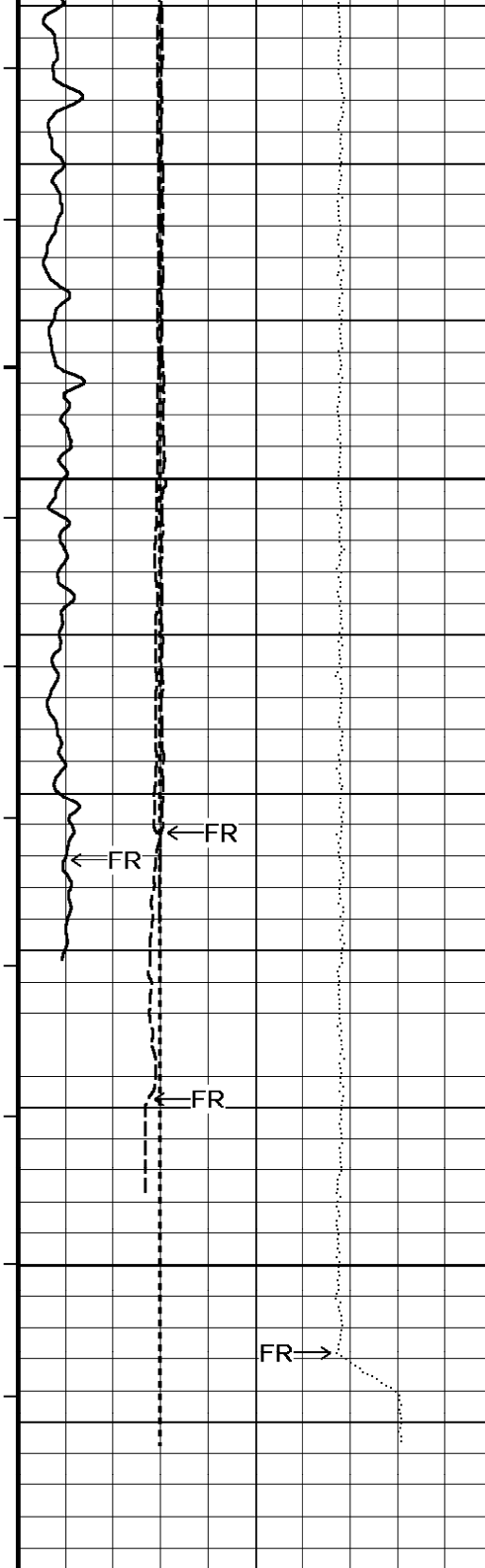






1350
3
48°
1360
1370
1380
2
48°
1390
1400





48°

1410

1420

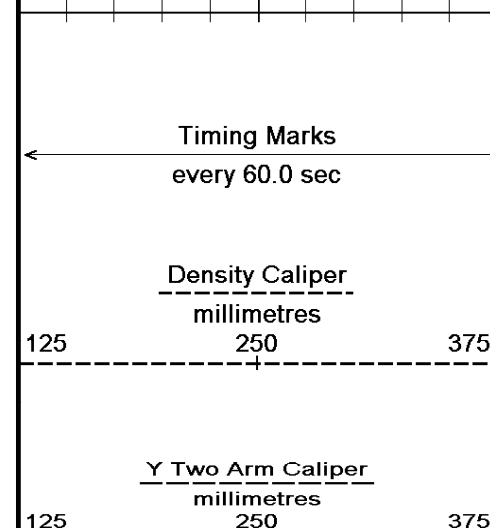
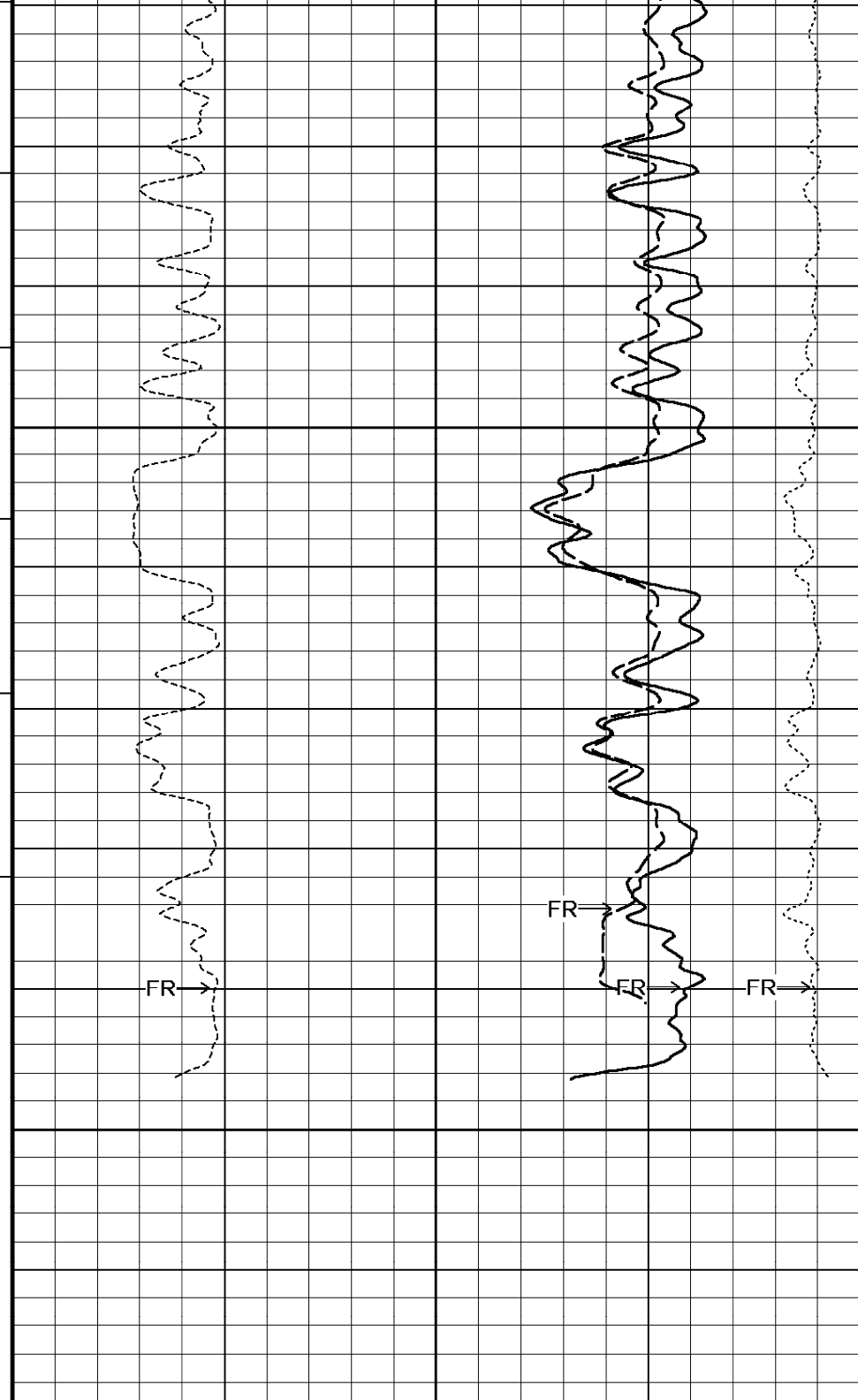
1430

1440

1450

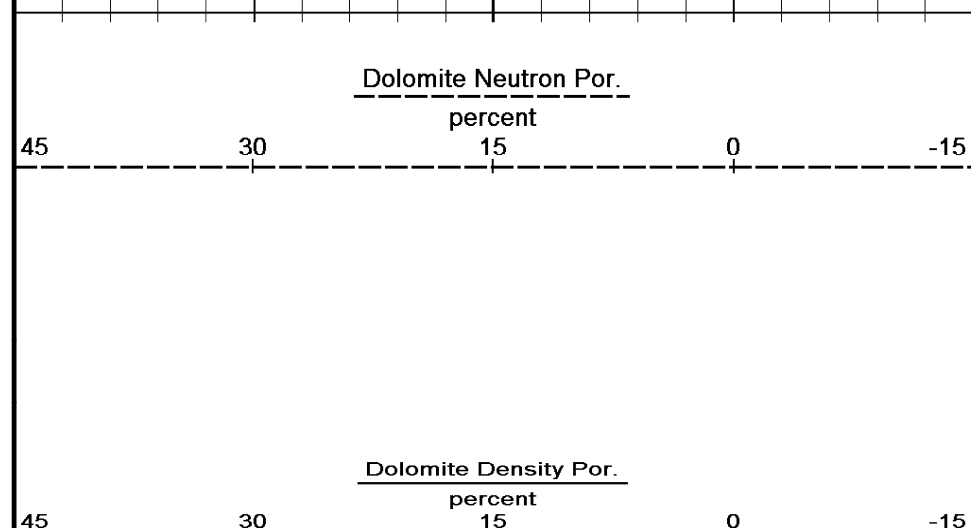
1460

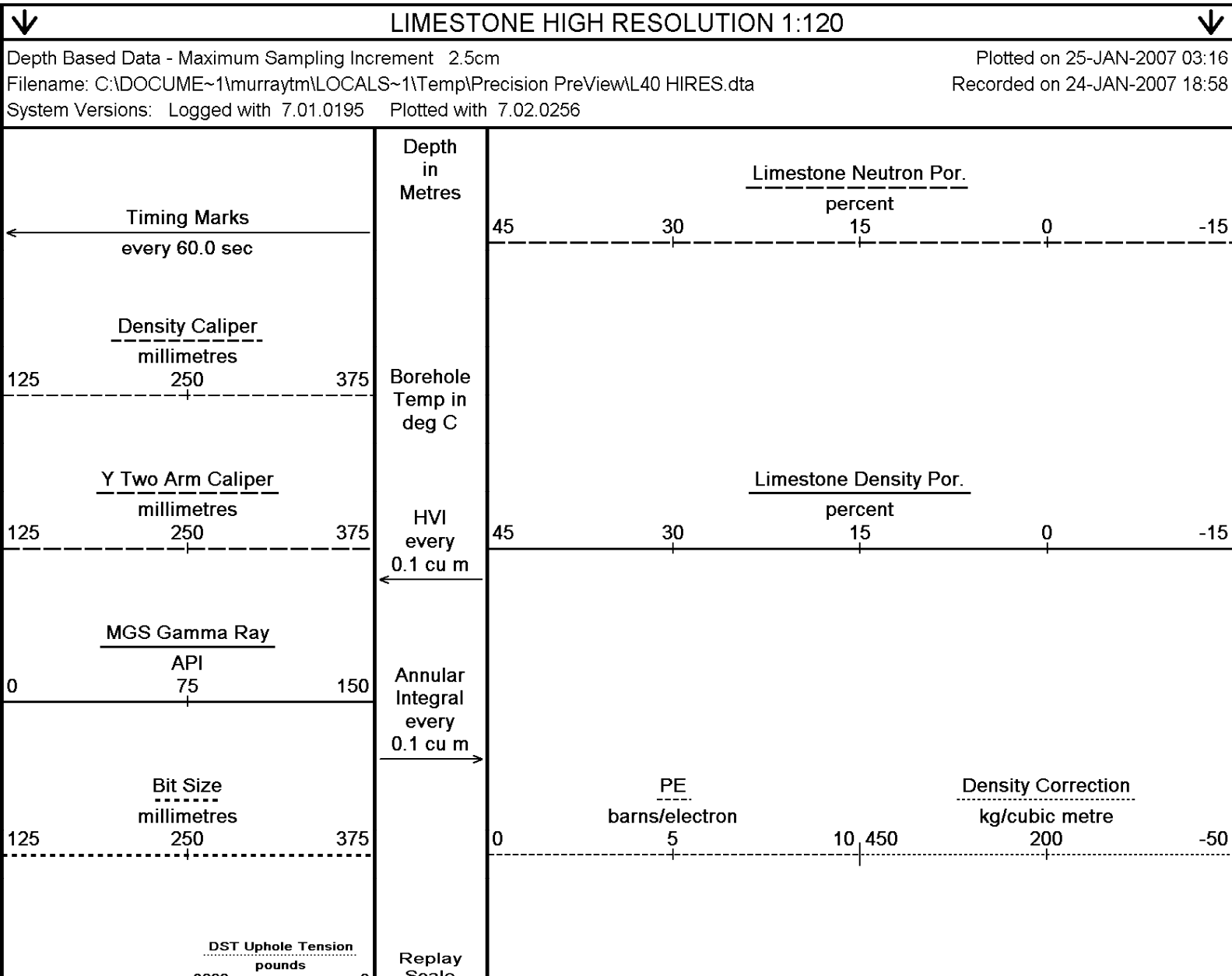
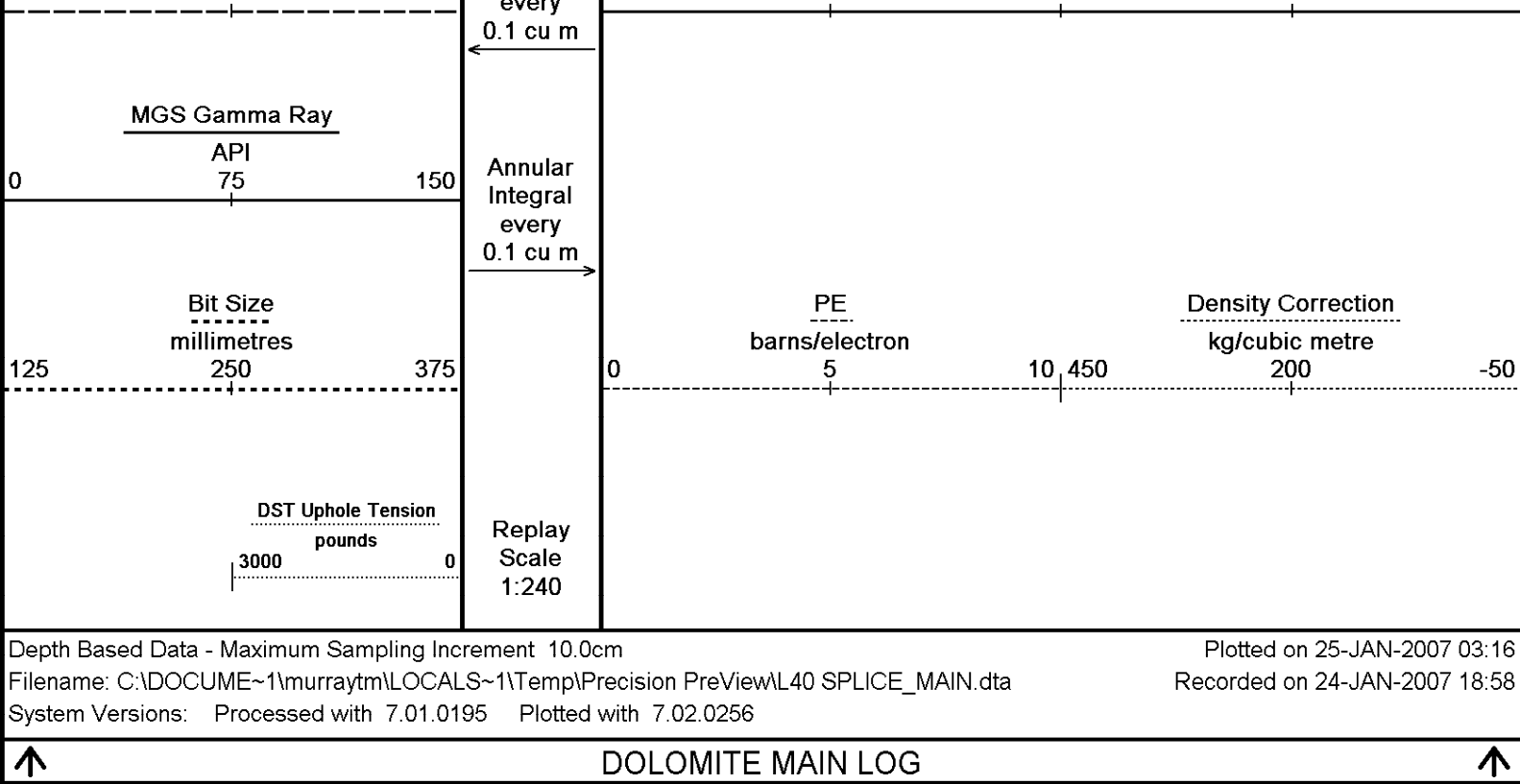
Depth
in
Metres



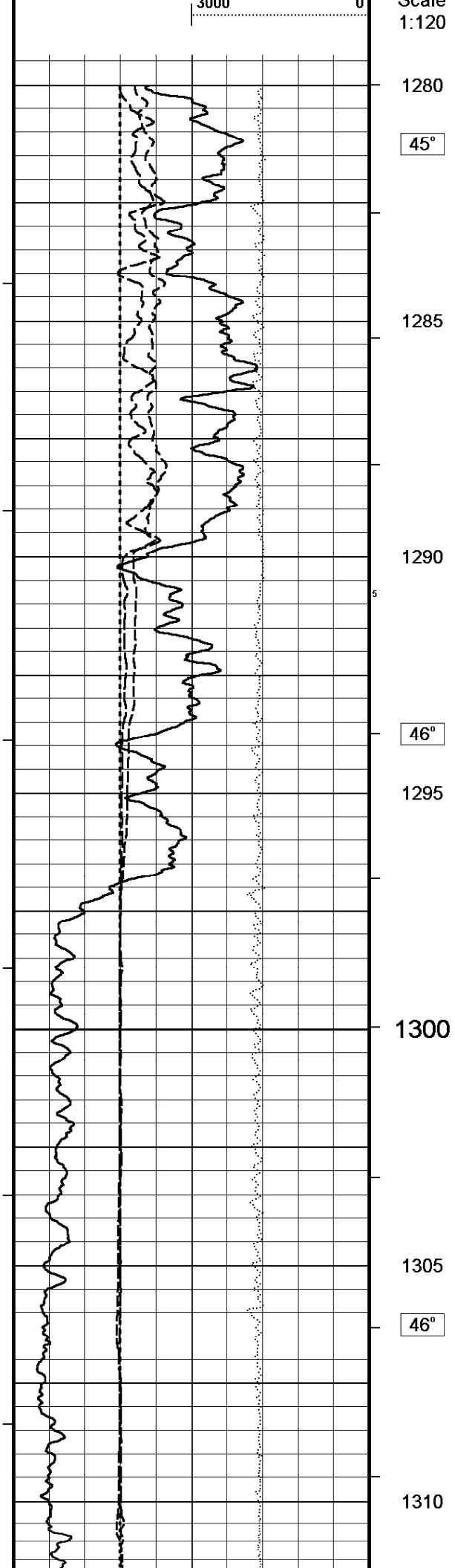
Borehole
Temp in
deg C

HVI





Scale
1:120



1280

45°

1285

1290

46°

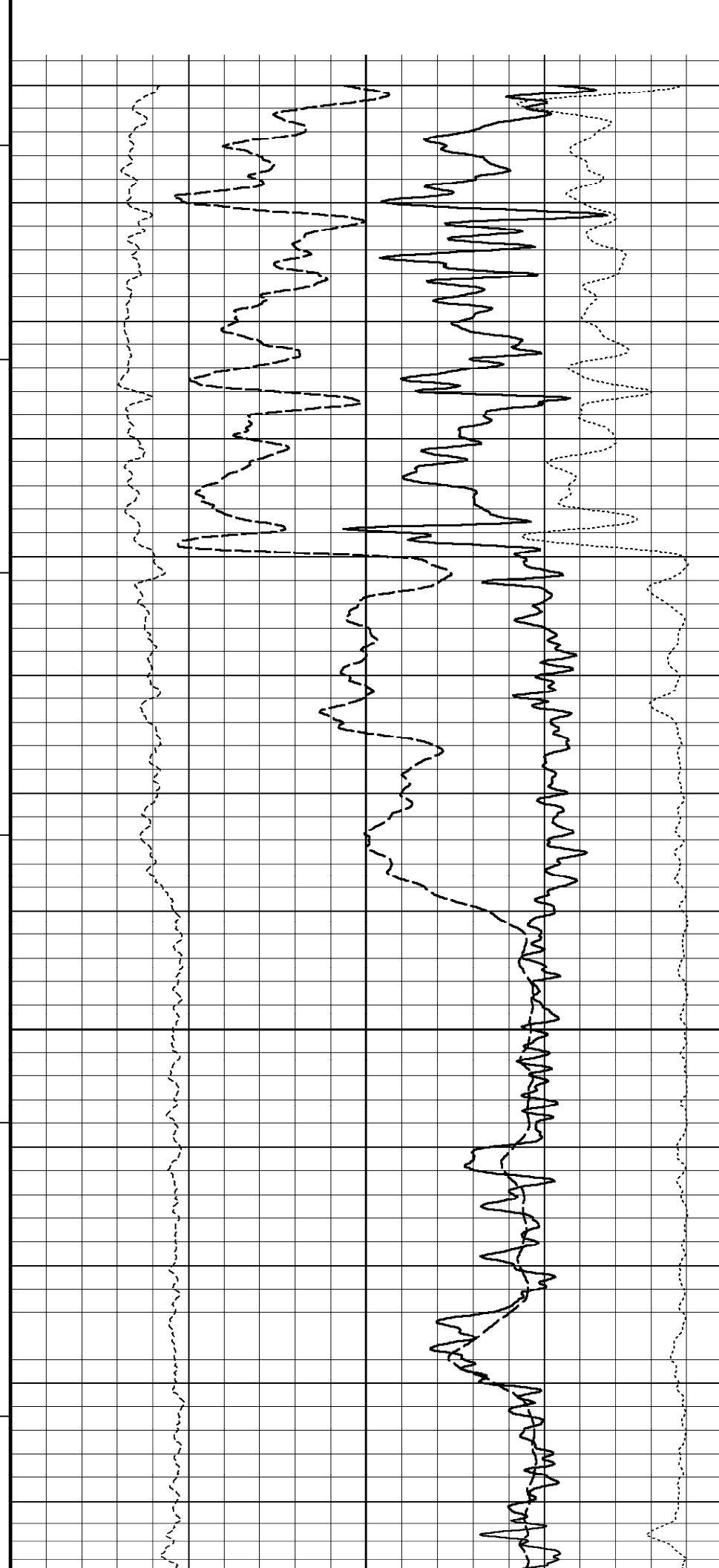
1295

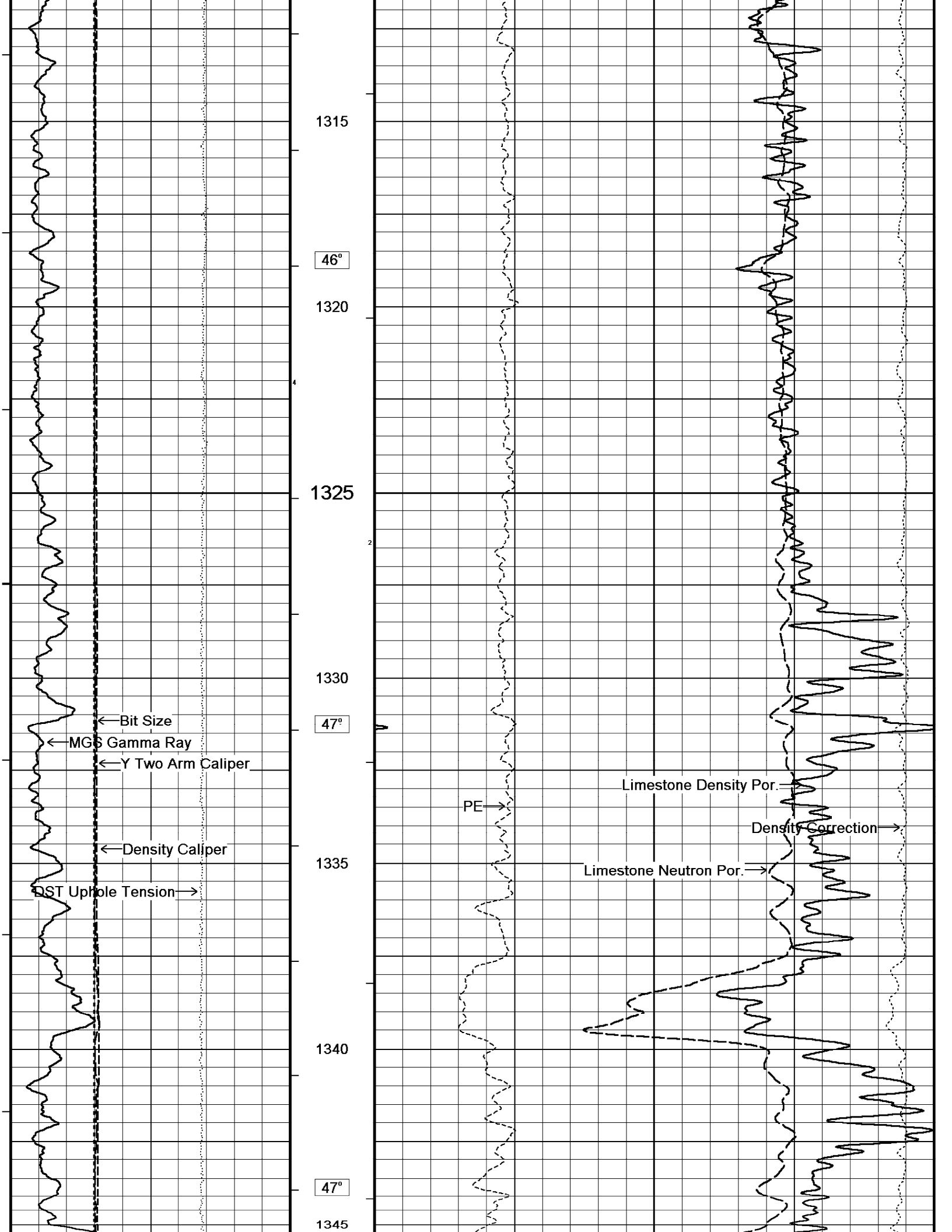
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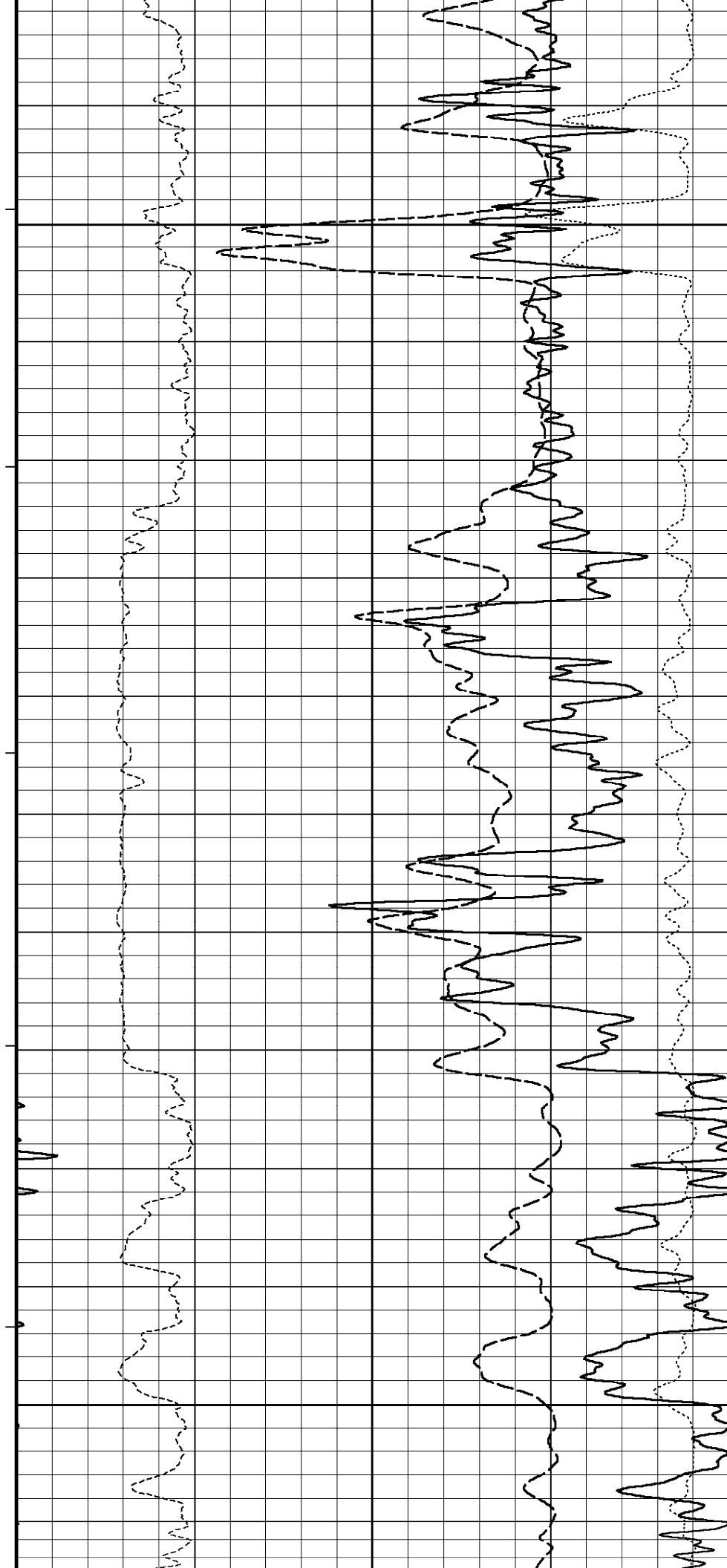
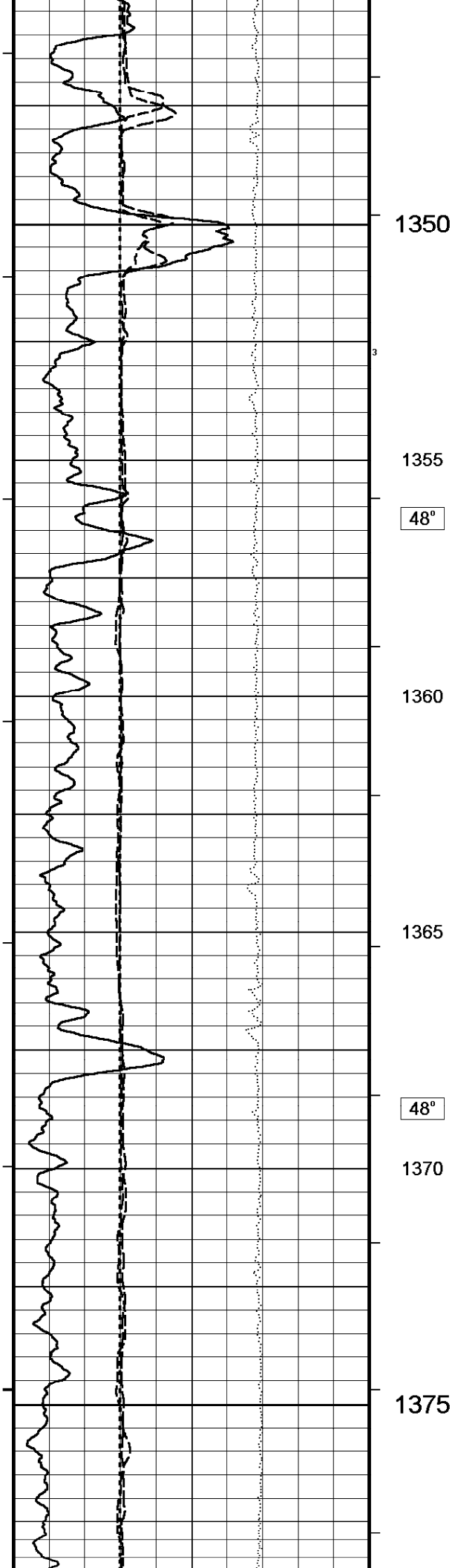
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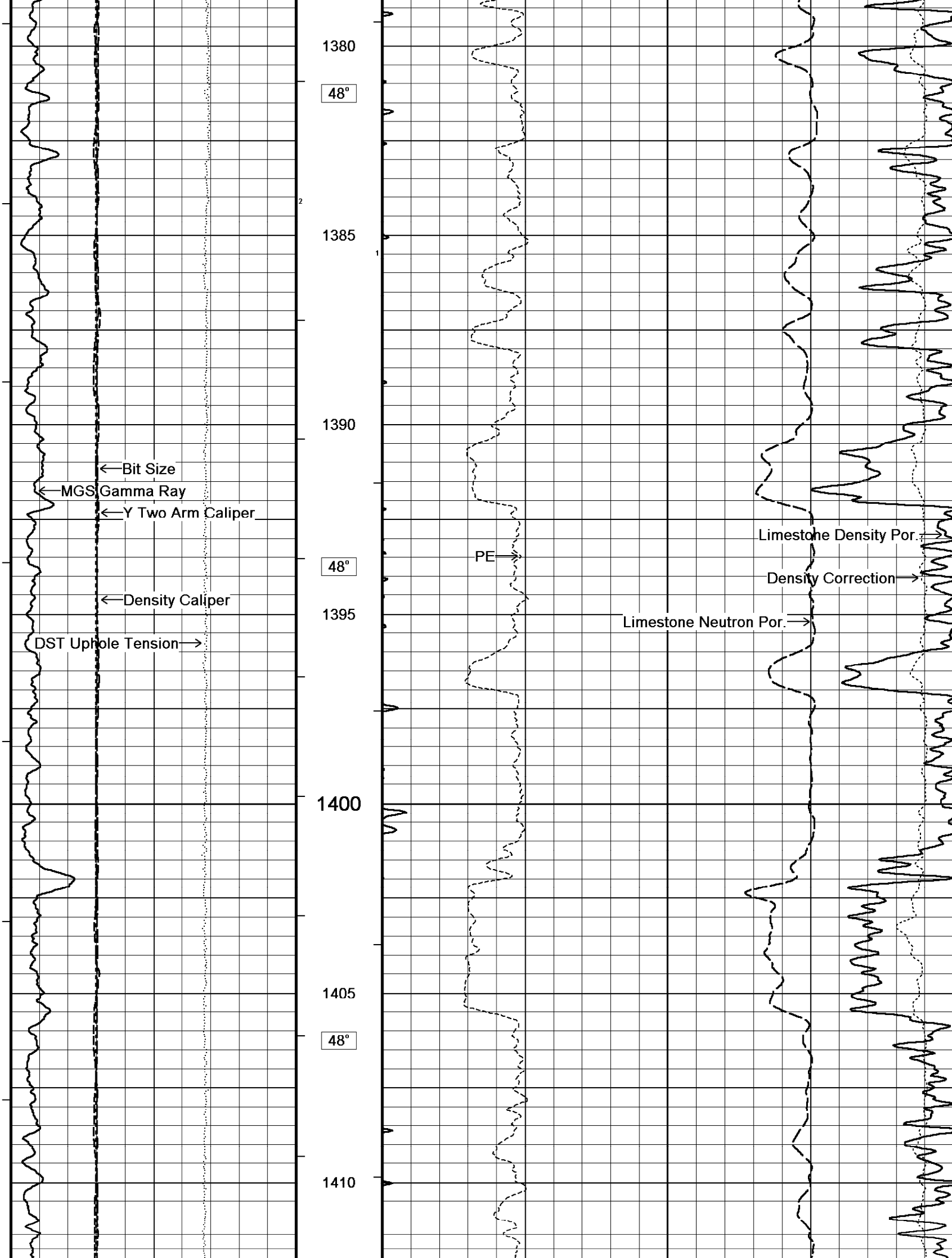
46°

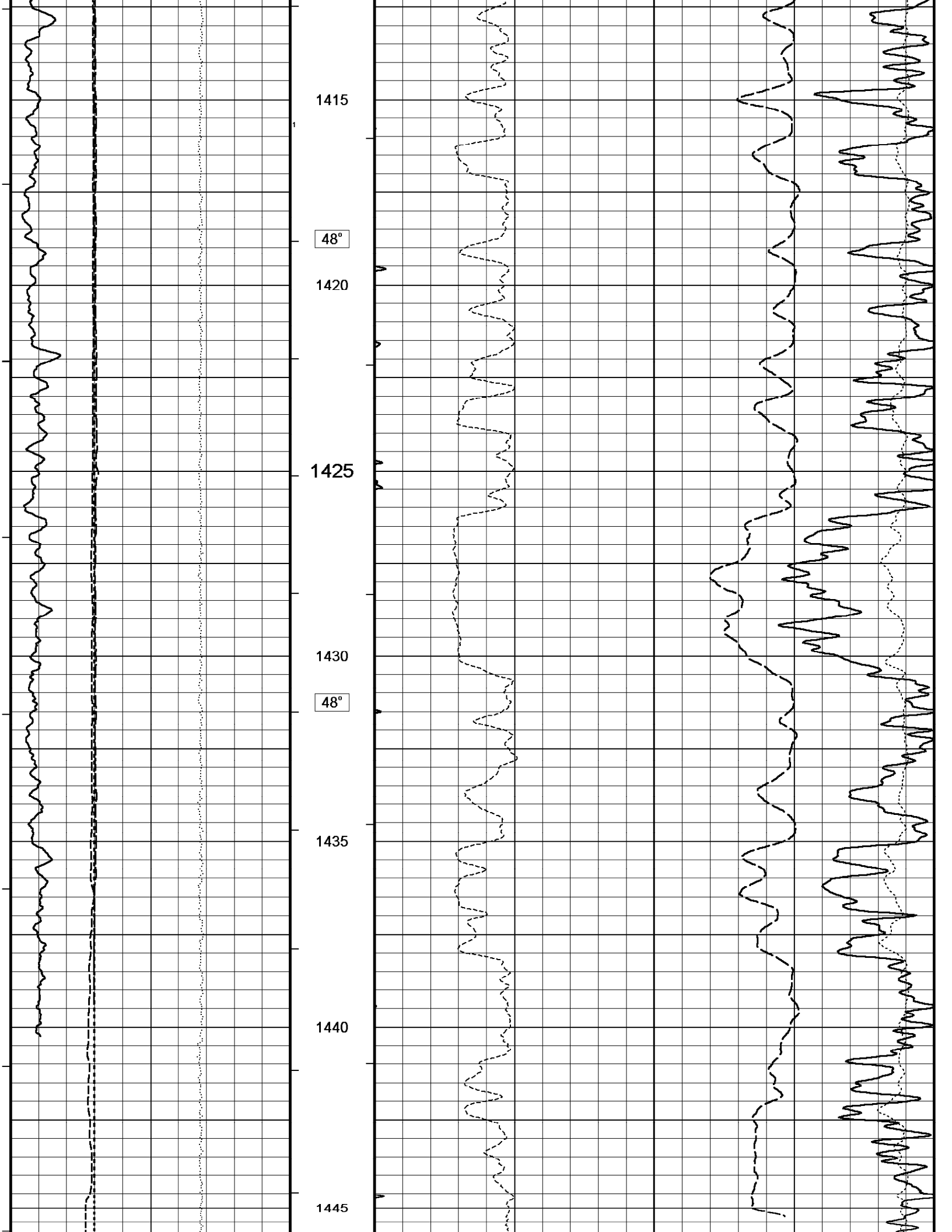
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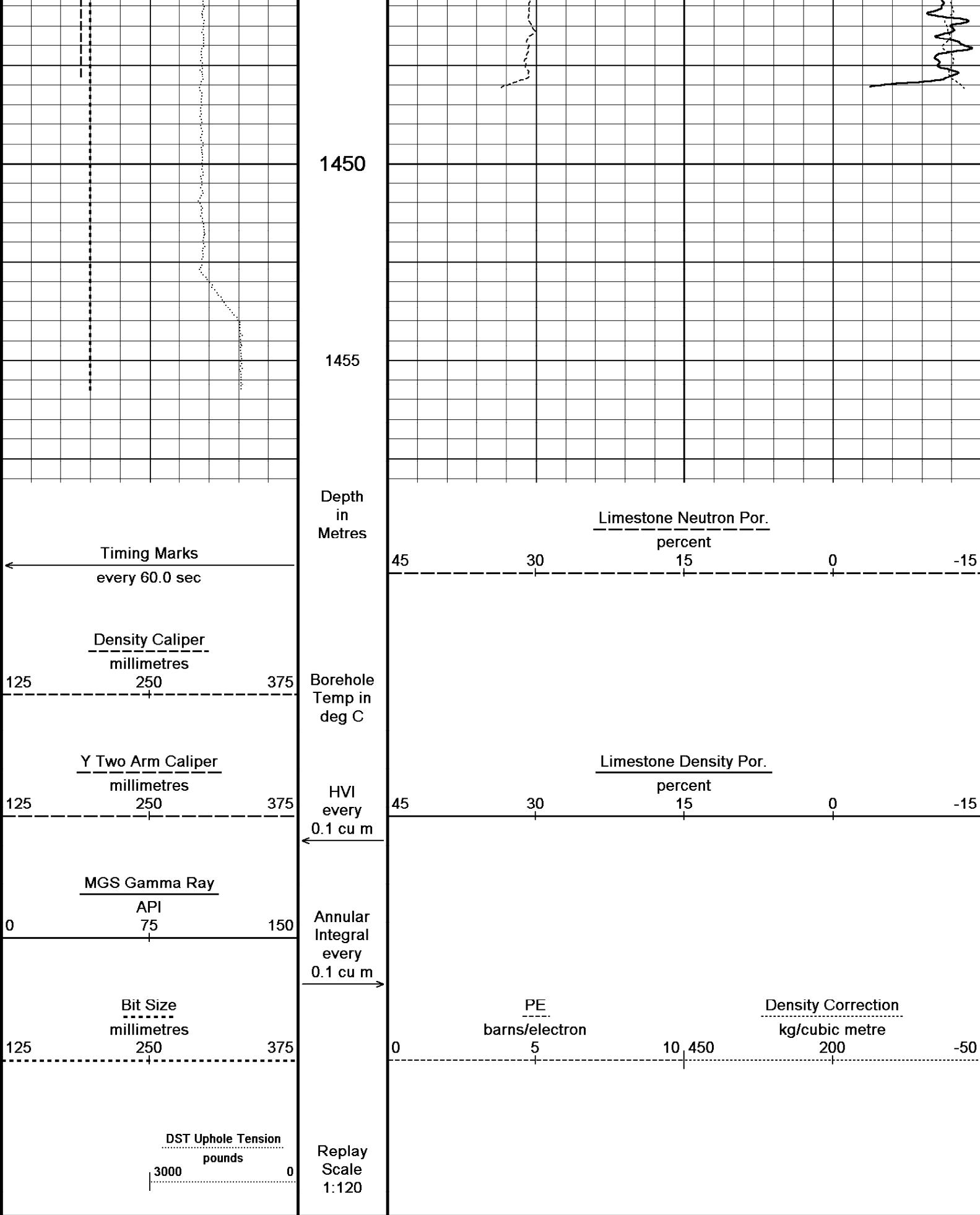


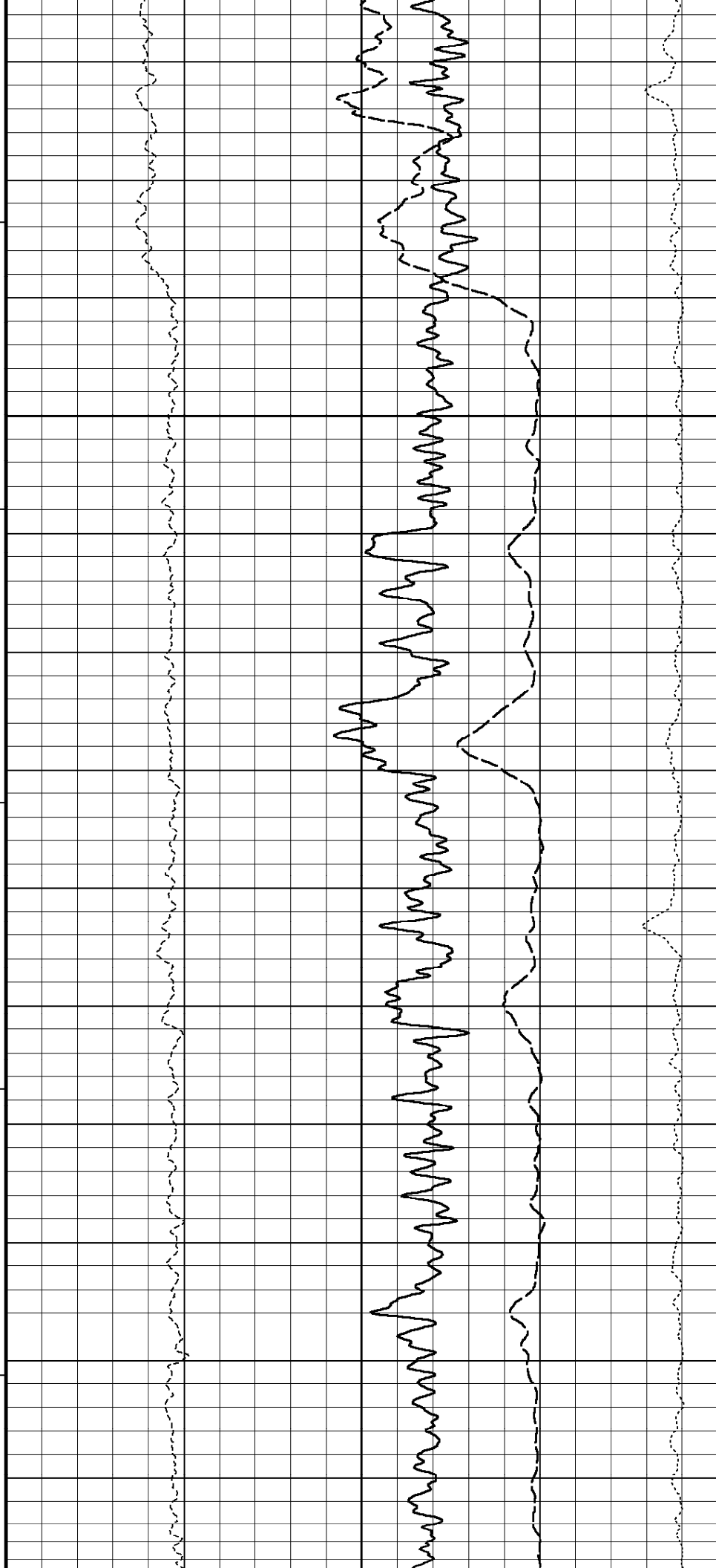
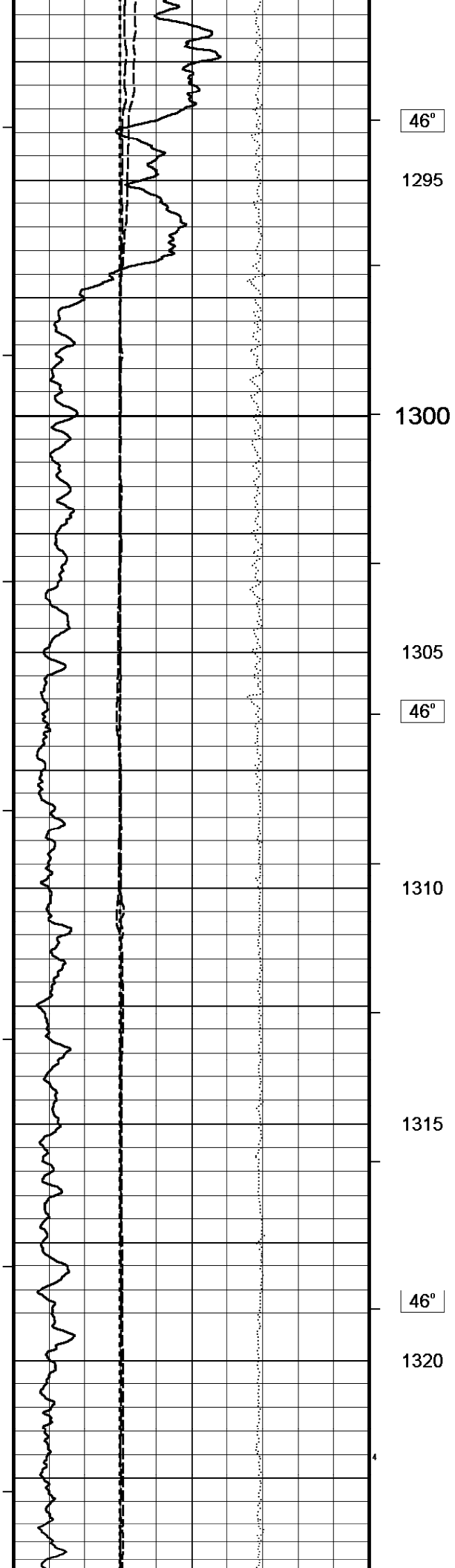


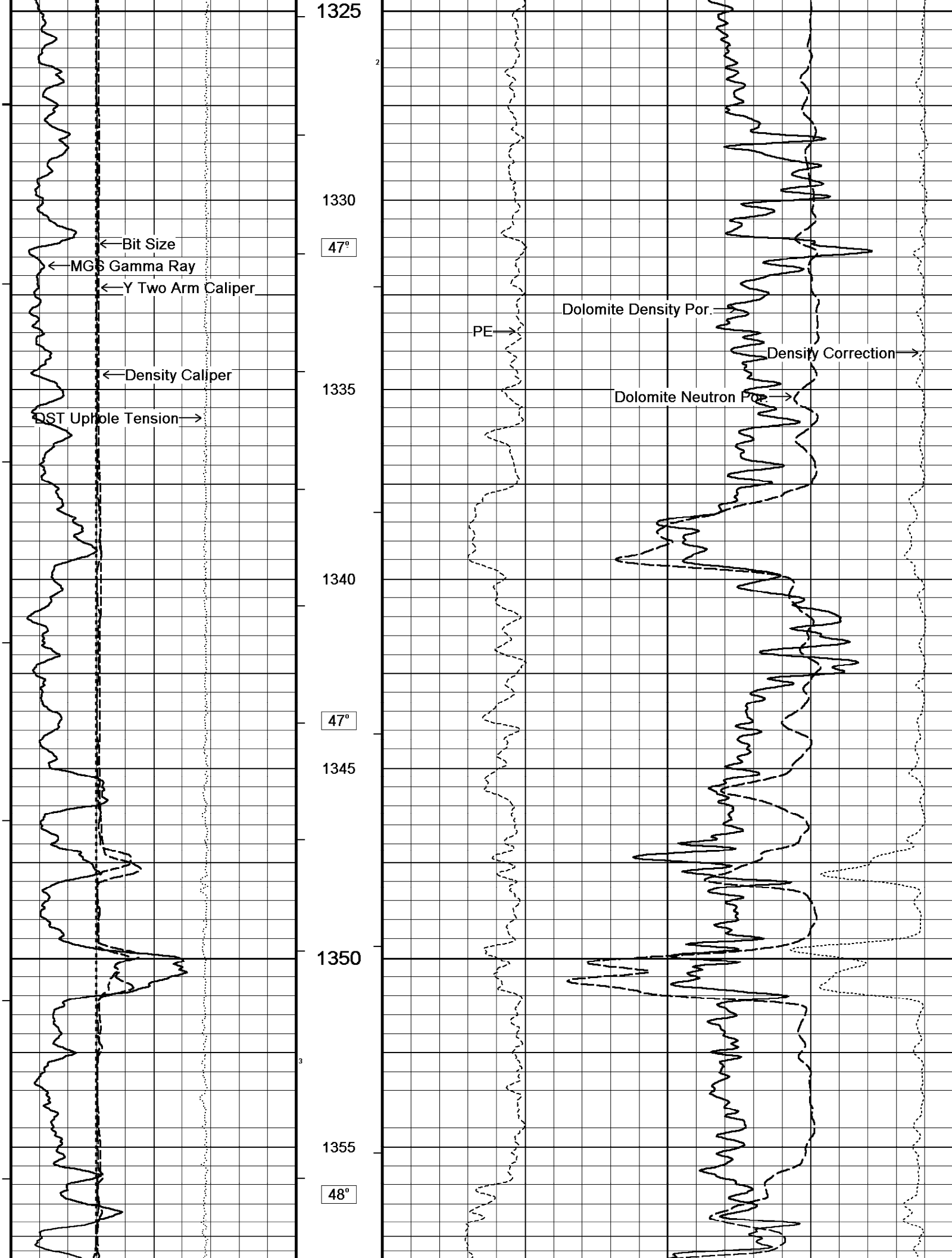


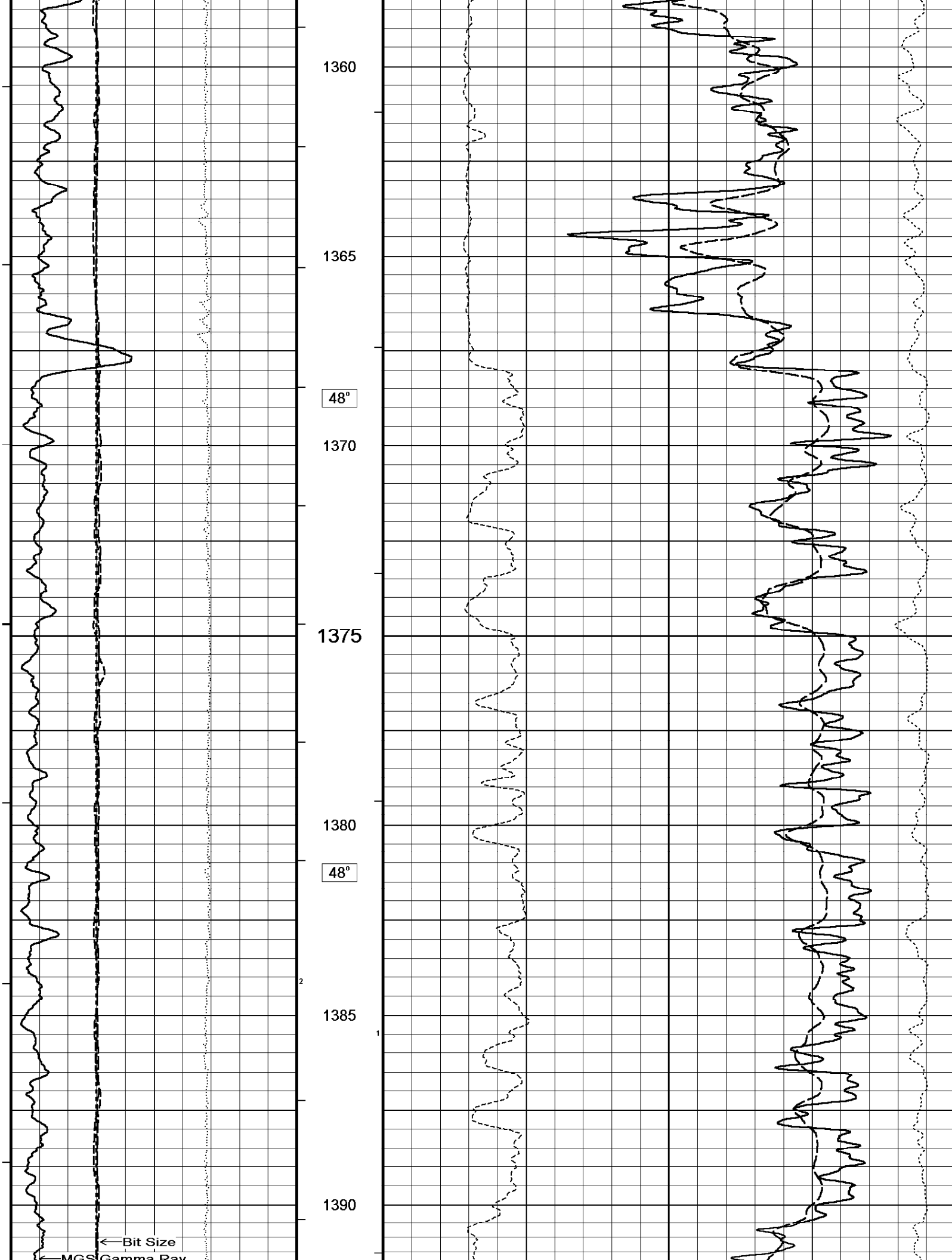


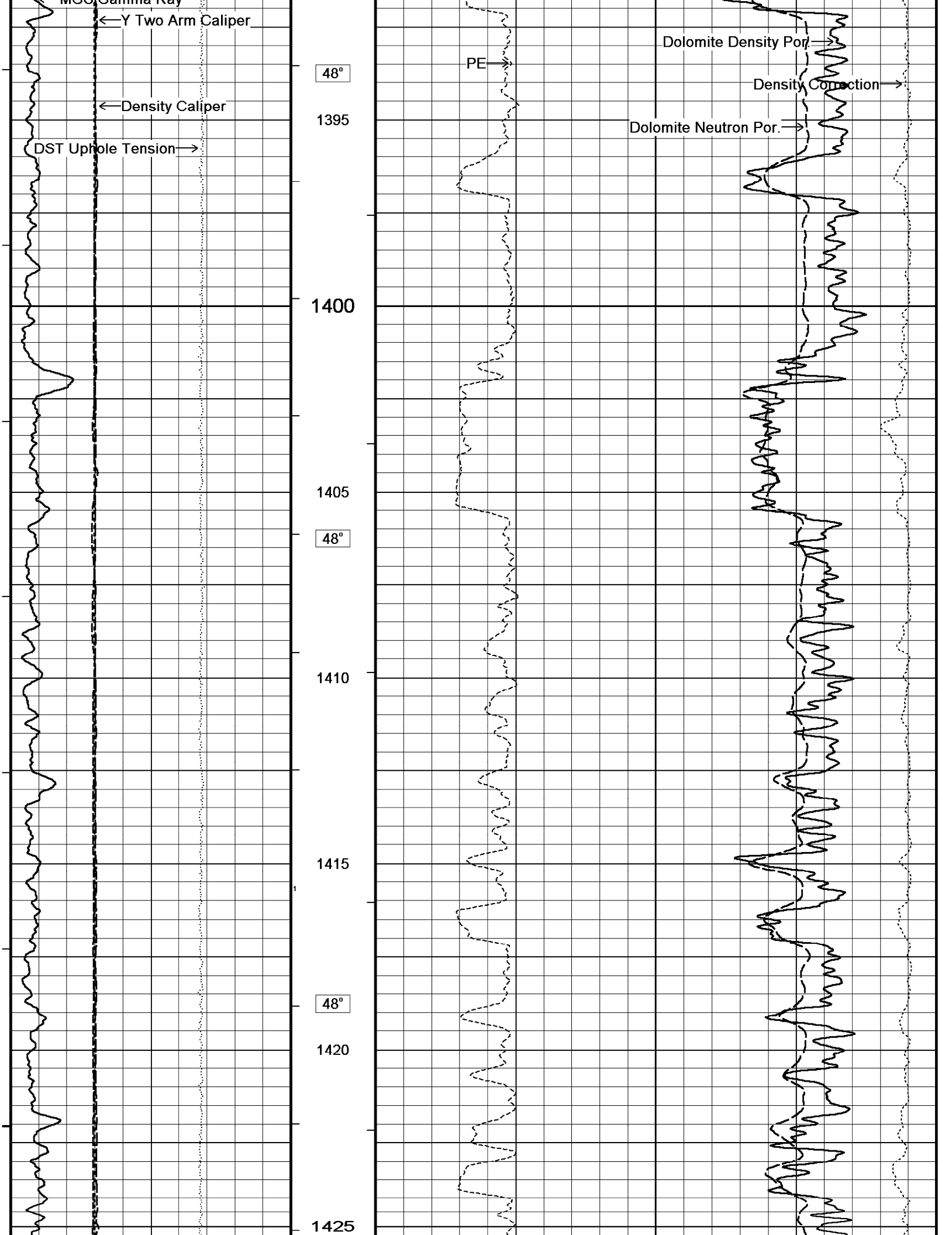


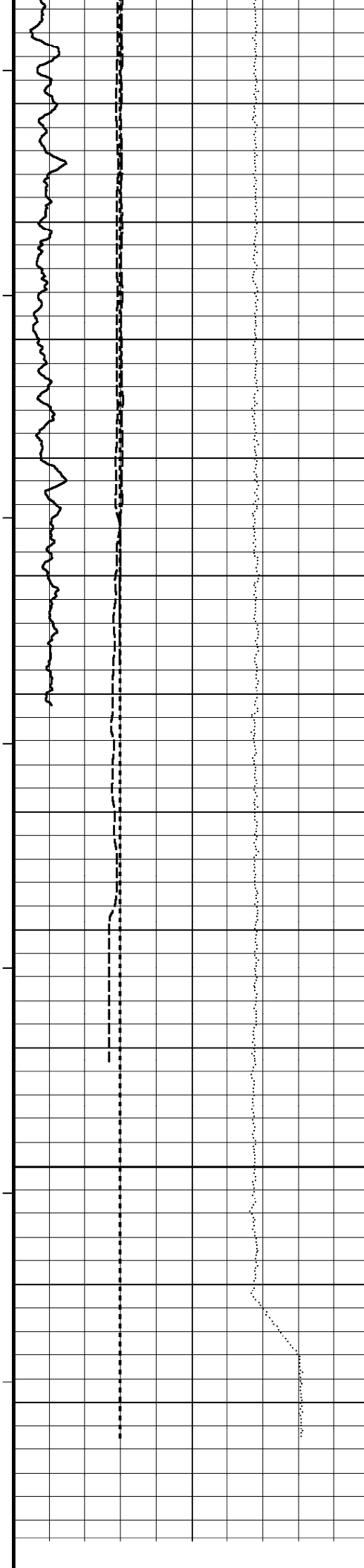












1430

48°

1435

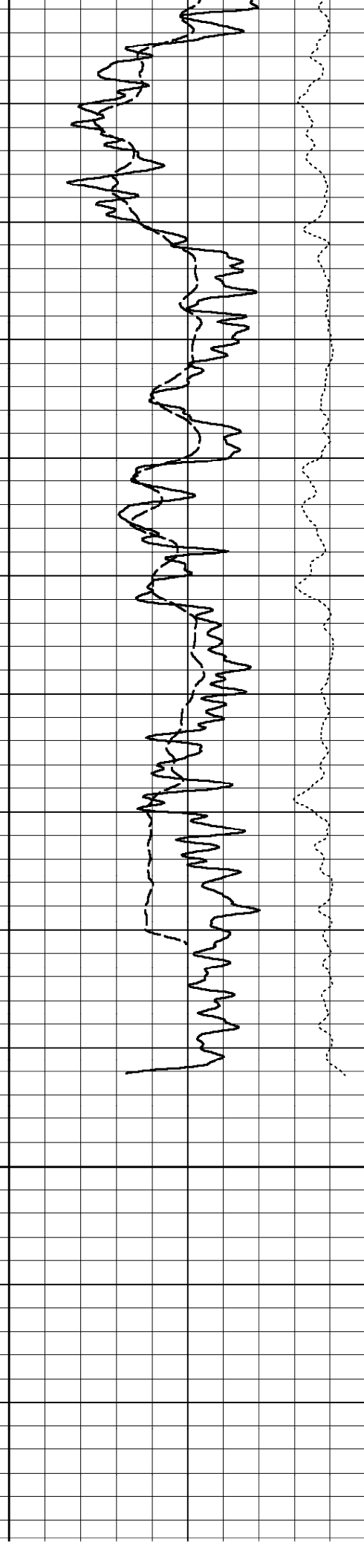
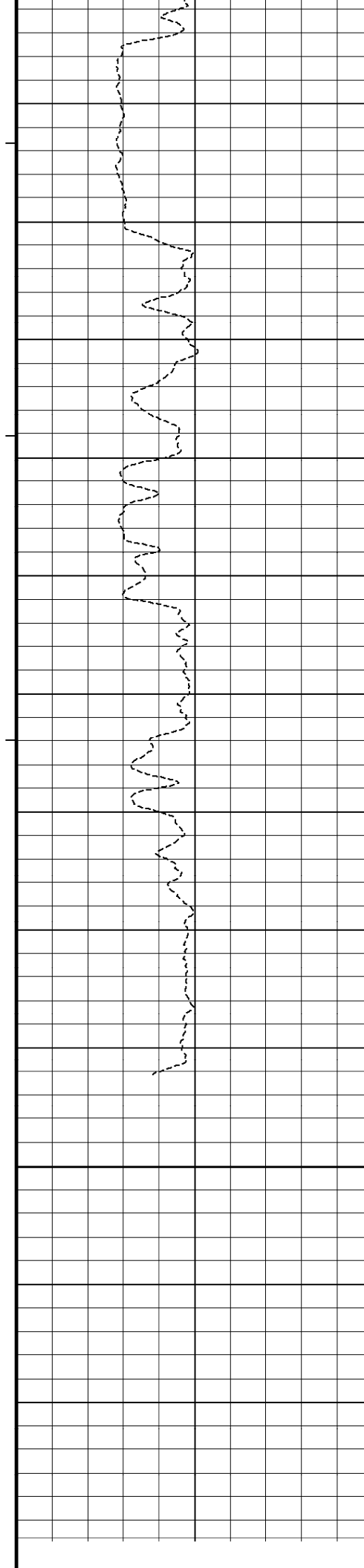
1440

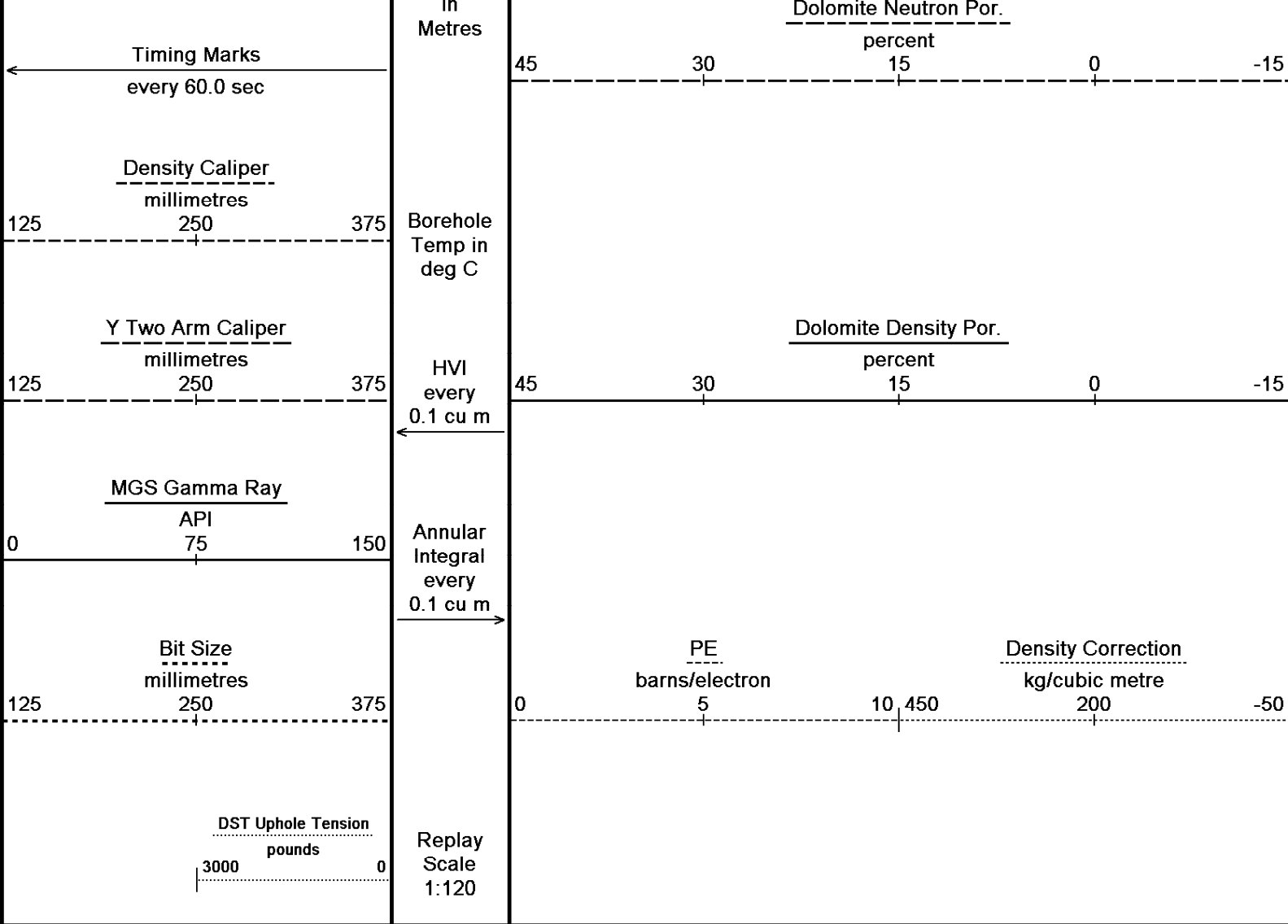
1445

1450

1455

Depth





Depth Based Data - Maximum Sampling Increment 2.5cm
Filename: C:\DOCUME~1\murraytm\LOCALS~1\Temp\Precision PreView\L40 HIRES.dta
System Versions: Logged with 7.01.0195 Plotted with 7.02.0256

DOLOMITE HIGH RESOLUTION 1:120

BEFORE SURVEY CALIBRATION		
C:\DOCUME~1\murraytm\LOCALS~1\Temp\Precision PreView\L40PARAQUINTRPT2.dta		
General Constants All 000		Last Edited on 23-JAN-2007,22:35
General Parameters		
Mud Resistivity	0.600	ohm-metres
Mud Resistivity Temperature	25.000	degrees C
Water Level	0.000	metres
Density/Neutron Processing	Wet Hole	
Hole/Annular Volume and Differential Caliper Parameters		
HVOL Caliper 1	Density Caliper	
HVOL Caliper 2	Y Two Arm Caliper	
Annular Volume Diameter	139.700	mm
Caliper for Differential Caliper	Density Caliper	
Rwa Parameters		
Porosity used	Base Density Porosity	
Resistivity used	Deep Induction	
RWA Constant A	0.610	
RWA Constant M	2.150	

Background	Measured	46	Calibrated (API)	30
Calibrator (Gross)		1264		824
Calibrator (Net)		1219		794
Gamma Constants MCG 131			Last Edited on 24-JAN-2007,19:31	
Gamma Calibrator Number		GRC 095		
Mud Density		1110.00	kg/m3	
Caliper Source for Processing		Density Caliper		
Tool Position		Centred		
Concentration of KCl		0.00	kppm	
SP Calibration MCG 131			Field Calibration on 18-JAN-2007 08:47	
	Measured		Calibrated (mV)	
Reference 1	100.6		100.0	
Reference 2	-100.0		-100.0	
High Resolution Temperature Calibration MCG 131			Field Calibration on 15-DEC-2006,15:05	
	Measured		Calibrated(Deg C)	
Lower	1.00		1.00	
Upper	10.00		10.00	
High Resolution Temperature Constants MCG 131				
Pre-filter Length		11		
FE Calibration MFE 038			Base Calibration on 4-DEC-2006 15:24 Field Check on 23-JAN-2007,22:36	
Base Calibration				
	Measured		Calibrated (ohm-m)	
Reference 1	0.0		0.0	
Reference 2	974.1		126.8	
Base Check			278.0	
Field Check			278.7	
FE Constants MFE 038			Last Edited on 15-DEC-2006,13:39	
Caliper Source for FE correction		Density Caliper		
Rm Source for FE correction		Temperature Corr		
Temp. for Rm Corr.		MCG External Temperature		
Stand-off		Centred	millimetres	
Caliper Calibration MTC 037			Base Calibration on 11-JAN-2007 22:22 Field Calibration on 22-JAN-2007,06:17	
Base Calibration				
Reading No	Measured		Calibrator Size (mm)	
1	15375		110.00	
2	18236		162.00	
3	21038		212.00	
4	23830		262.00	
5	26651		311.00	
6	N/A		N/A	
Field Calibration				
	Measured Caliper (mm)		Actual Caliper (mm)	
	167.00		166.00	
Gamma Calibration MGS 029			Field Calibration on 18-JAN-2007,10:05	
	Measured		Calibrated (API)	
Background	58		38	
Calibrator (Gross)	1286		832	
Calibrator (Net)	1228		794	
Gamma Constants MGS 029			Last Edited on 24-JAN-2007,03:16	
Gamma Calibrator Number		GRCC095		
Mud Density		1110.00	kg/m3	
Caliper Source for Processing		Density Caliper		
Tool Position		Centred		

Tool Position	Centred	0.00	kppm
SP Calibration MGS 029			
	Measured	Calibrated (mV)	Field Calibration on 7-DEC-2006,17:01
Reference 1	100.0	100.0	
Reference 2	-100.0	-100.0	
High Resolution Temperature Calibration MGS 029			
	Measured	Calibrated(Deg C)	Field Calibration on 7-DEC-2006,17:01
Lower	1.00	1.00	
Upper	5.00	5.00	
High Resolution Temperature Constants MGS 029			
Pre-filter Length	11		
Micro Laterolog Constants MMR 031			
Micro Laterolog K Factor	0.0128		
Standoff Offset	0.0000	inches	
Borehole Correction Constants			
Mud Cake Source	Constant Value		
Mud Cake Thickness	0.4000	inches	
Mud Cake Thickness Caliper	0		
Mud Cake Resistivity	0.1500	ohm-m	
Caliper Calibration MMR 031			
			Base Calibration on 25-NOV-2006 12:45
			Field Calibration on 6-JAN-2007,05:52
Base Calibration			
Reading No	Measured	Calibrator Size (mm)	
1	14823	162.00	
2	18001	212.00	
3	21431	262.00	
4	25325	311.00	
5	0	0.00	
6	N/A	N/A	
Field Calibration			
	Measured Caliper (mm)	Actual Caliper (mm)	
	200.60	205.70	
Micro Normal and Micro Inverse Calibration MMR 031			
			Base Calibration on 25-NOV-2006,12:58
			Field Check on 23-JAN-2007 22:10
Base Calibration			
Channel	Resistor 1	Measured Resistor 2	Calibrated (ohm-m) Resistor 1 Resistor 2
Micro Normal	9.9	49.1	5.1 25.6
Micro Inverse	9.8	49.8	3.4 16.9
Channel	Base Check (ohm-m)		Field Check (ohm-m)
Micro Normal	94.7		94.7
Micro Inverse	61.5		61.5
Micro Normal and Micro Inverse Constants MMR 031			
			Last Edited on 25-NOV-2006,14:14
Micro Normal K Factor	0.5110		
Micro Inverse K Factor	0.3380		
Standoff Offset	0.0000	millimetres	
Neutron Calibration MDN 016			
			Base Calibration on 11-JAN-2007 20:47
			Field Check on 23-JAN-2007 22:05
Base Calibration			
	Measured		Calibrated (cps)
	Near	Far	Near Far
	3219	98	3714 110
Ratio	32.703		33.764
Field Calibrator at Base			
			Calibrated (cps)
			2486 3648
Ratio	0.681		

Field Check	Calibrated (cps)	
	2511	3822
Ratio	0.657	

Neutron Constants MDN 016

Last Edited on 15-JAN-2007,07:16

Neutron Source Id	277	
Neutron Jig Number	N636	
Epithermal Neutron	No	
Caliper Source for Processing	Density Caliper	
Stand-off	0.00	mm
Mud Density	1000.00	kg/m3
Limestone Sigma	7.10	cu
Sandstone Sigma	4.26	cu
Dolomite Sigma	4.70	cu
Formation Pressure Source	Constant Value	
Formation Pressure	0.00	kPa
Temperature Source	Constant Value	
Temperature	20.00	degrees C
Mud Salinity	0.00	kppm
Formation Fluid Salinity Source	Constant Value	
Formation Fluid Salinity	0.00	kppm
Barite Mud Correction	Not Applied	

Photo Density Calibration MPD 093

Base Calibration on 19-JAN-2007,19:16

Field Check on 23-JAN-2007 22:00

Density Calibration		Measured		Calibrated (sdu)	
Base Calibration		Near	Far	Near	Far
Reference 1	71274	37606		60352	31615
Reference 2	29326	2540		25043	2540

Field Check at Base

0.0 0.0

Field Check

741.6 865.3

PE Calibration

Base Calibration		Measured	Calibrated	
	WS	WH	Ratio	Ratio
Background	133	653		
Reference 1	29377	71091	0.415	0.400
Reference 2	7941	29220	0.273	0.272

Field Check at Base

133.0 649.2

Field Check

134.6 655.5

Density Constants MPD 093

Last Edited on 24-JAN-2007,03:16

Density Source Id	16151b	
Nylon Calibrator Number	608	
Aluminium/Fe Calibrator Number	608	
Density Shoe Profile	4 inch	
Caliper Source for Processing	Density Caliper	
PE Correction to Density	Not Applied	
Mud Density	1110.00	kg/m3
Mud Density Z/A Correction	1.11	
Mud Filtrate Density	1000.00	kg/m3
Dry Hole Mud Filtrate Density	1000.00	kg/m3
DNCT	0.00	kg/m3
CRCT	0.00	kg/m3

Matrix Density (kg/m3) Depth (m)

2710.00 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 093

Base Calibration on 11-JAN-2007 21:58
Field Calibration on 22-JAN-2007,06:17

Base Calibration		
Reading No	Measured	Calibrator Size (mm)
1	15040	110.00
2	23085	162.00
3	31440	212.00
4	40233	262.00
5	49152	311.00
6	N/A	N/A
Field Calibration		
	Measured Caliper (mm)	Actual Caliper (mm)
	166.00	165.00

Sonic Constants MSS 075

Last Edited on 18-JAN-2007,10:05

Maximum Boundary Contrast	328.08	micro-sec/m	
Fluid Transit Time	620.08	micro-sec/m	
Limestone Transit Time	155.84	micro-sec/m	
Sandstone Transit Time	182.09	micro-sec/m	
Dolomite Transit Time	142.72	micro-sec/m	
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	
Fixed Gate Parameters			
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
Down Hole Fixed Gate Parameters			
Gate Start	N/A	micro-sec	
Gate Width	N/A	micro-sec	
Initial Discriminator Level	0.0000	mVolts	
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	

Induction Calibration MAI 092

Base Calibration on 19-JAN-2007 19:26
Field Check on 23-JAN-2007 22:08

Base Calibration				
Test Loop Calibration		Measured	Calibrated (mmho/m)	
Channel	Low	High	Low	High
1	17.5	473.2	9.3	966.2
2	5.9	374.5	7.6	821.4
3	2.8	355.0	5.2	566.0

3	2.8	255.0	5.2	566.0
4	1.3	130.5	2.6	279.2
Array Temperature		23.9	Deg C	
Channel	Base Check (mmho/m)		Field Check (mmho/m)	
	Low	High	Low	High
1	10.3	3853.0	6.5	3842.8
2	30.0	3605.8	28.7	3599.3
3	29.7	3109.7	28.9	3103.7
4	20.7	2116.7	20.6	2113.5
Deep	19.0	2017.4	18.7	2013.4
Medium	43.3	4115.3	42.3	4107.3
Shallow	43.5	5343.3	41.2	5333.9
Array Temperature		11.6	-16.7	Deg C

Induction Constants MAI 092				Last Edited on 20-JAN-2007,04:19
Induction Model		VECTAR		
Caliper for Borehole Corr.		Density Caliper		
Hole Size for Borehole Correction		N/A	millimetres	
Stand-off		25.40	millimetres	
Number of Fins on Stand-off		5.0000		
Stand-off Fin Width		12.7000	millimetres	
Borehole Corr. Rm Source		Temperature Corr		
Temp. for Rm Corr.		MCG External Temperature		
Squasher Start		0.0020	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	

High Resolution Temperature Calibration MAI 092				Field Calibration on 13-SEP-2005,13:50
	Measured	Calibrated(Deg C)		
Lower	1.00	1.00		
Upper	50.00	50.00		

High Resolution Temperature Constants MAI 092	
Pre-filter Length	11

DOWNHOLE EQUIPMENT

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Compact Gamma

MCG 131 Length: 2.65 m

Weight: 63.9 lb



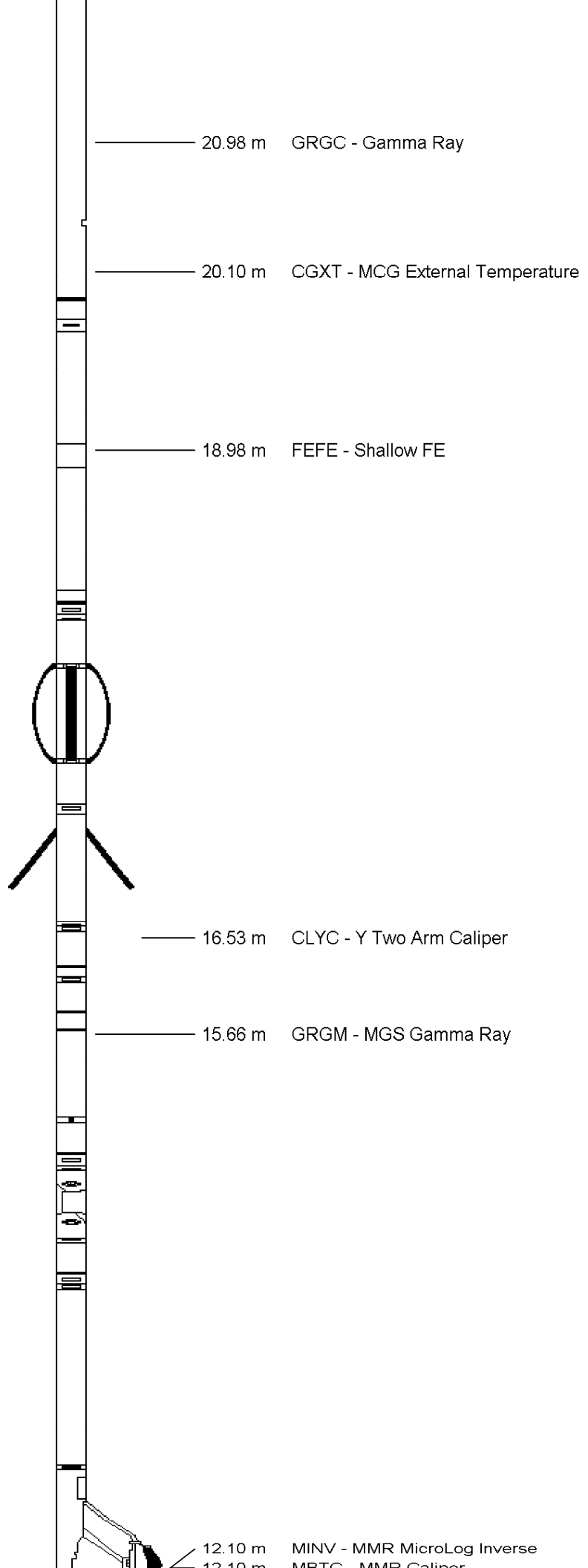
Compact Focussed Electric
MFE 38 Length: 1.84 m Weight: 48.5 lb

Compact Two Arm Caliper
MTC 37 Length: 2.17 m Weight: 61.7 lb

Compact Short Gamma
MGS 29 Length: 1.04 m Weight: 24.3 lb

Compact InterSonde Crank
ISC 151 Length: 0.71 m Weight: 24.3 lb

Compact Micro-Resistivity
MMR 31 Length: 2.62 m Weight: 81.6 lb

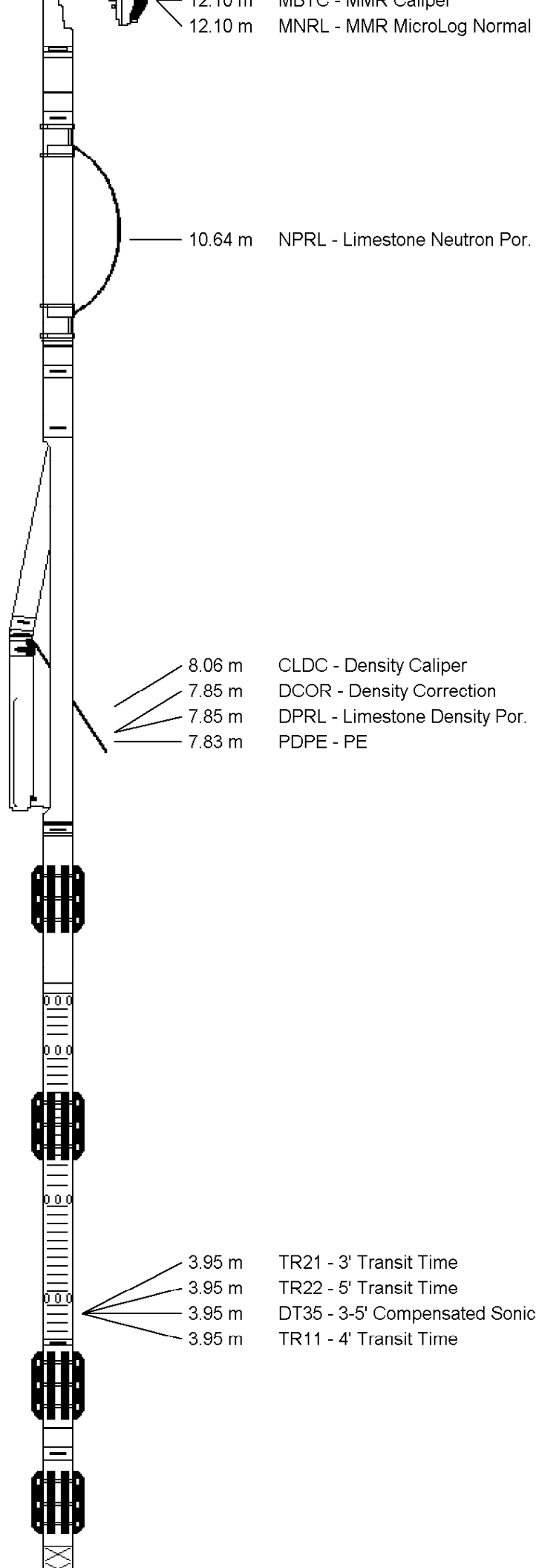


Compact Neutron
MDN 16 Length: 1.53 m Weight: 50.7 lb

Compact Density/Caliper
MPD 93 Length: 2.92 m Weight: 90.4 lb

Compact Sonic
MSS 75 Length: 3.82 m Weight: 72.8 lb

Compact Induction
MAI 92 Length: 3.29 m Weight: 48.5 lb





0.79 m RILM - Medium Induction
0.79 m RILD - Deep Induction
0.07 m SPCG - Spontaneous Potential
Tool Zero (0.28m from bottom)

Compact Hole Finder
HFS 1 Length: 0.24 m Weight: 2.2 lb
Total Length: 22.83 m Weight: 568.8 lb

All measurements relative to tool zero.

COMPANY	PARAMOUNT RESOURCES LTD.
WELL	PARA ET AL CAMERON L40
FIELD	CAMERON HILLS
PROVINCE	NORTHWEST TERRITORIES
COUNTRY	CANADA

Elevation Kelly Bushing	690.10	metres	First Reading	1445.00	metre
Elevation Drill Floor		metres	Depth Driller	1453.00	metres
Elevation Ground Level	684.70	metres	Depth Logger	1453.30	metres



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MEASURED DEPTH
PHOTO DENSITY
DUAL SPACED NEUTRON