



Weatherford

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

COMPANY

Sandridge Energy

WELL

Stagecoach 2925 1-14H

FIELD

Mimeloa

PROVINCE/COUNTY

Ford

COUNTRY/STATE

U.S.A. / Kansas

LOCATION

220' FSL & 355' FEL

SEC 26 TWP 23S RGE 31W Other Services MAI CMI

API Number 15-057-20857

Permit Number DC12495

Permanent Datum G.L., Elevation 2619 feet

Log Measured From KB

Drilling Measured From K.B. @ 20 Feet

Date 22-DEC-2012

Run Number One

Service Order 3539522

Depth Driller 9780.00

Depth Logger 9780.00

First Reading 9694.00

Last Reading 4200.00

Casing Driller 5832.00

Casing Logger 5832.00

Bit Size 6.125

Hole Fluid Type WBM

Density / Viscosity 8.80 lb/USg

PH / Fluid Loss 9.50

Sample Source Flowline

Rm @ Measured Temp 0.68 @ 71.0

Rmf @ Measured Temp 0.54 @ 71.0

Rmc @ Measured Temp 0.82 @ 71.0

Source Rmf / Rmc Calc

Rm @ BHT 0.38 @ 128.0

Time Since Circulation 1 hour

Max Recorded Temp 128.00

Equipment / Base 18077

Recorded By Steven Totley

Witnessed By J. Borell

Elevations:
KB 2639.00
DF 2639.00
GL 2619.00

BOREHOLE RECORD

Last Edited: 22-DEC-2012 08:01

Bit Size
inches

Depth From
feet

Depth To
feet

8.750

0.00

5832.00

6.125

5832.00

9780.00

CASING RECORD

Type

Size
inches

Depth From
feet

Shoe Depth
feet

Weight
pounds/ft

inter

7.000

0.00

5832.00

24.00

REMARKS

LOGGED WITH WLS 13.04.8492

LOGGED USING MESSENGER SHUTTLE METHOD OF DEPLOYMENT

TOOLS RAN: SRT-69,,200V MBS-114,MMSE133,MTI-076, MGS-142,MCL-063,SKJ-472,SHA-438,MIS-608, MDN-391, MPD-394,MIS-607, SHA-167, SKJ-479,MISB-595,MIM 228, MIE-209,MISB-337, MAI-170 RAN IN COMBINATION

HARDWARE: MAI: MIS-B 0.5" STANDOFF USED ABOVE MAI, ISA STAND-OFF RAN BELOW MAI

MFE: MIS-B 0.5" STANDOFF USED ABOVE MFE

MDN: MIS-A DOUBLE BOWSPRING USED ABOVE MDN.

MPD: 4INCH PROFILE PLATE USED, MIS-A SINGLE BOWSPRING USED BELOW MPD

2.71 G/CC DENSITY MATRIX USED TO CALCULATE POROSITY

ALL INTERVALS LOGGED AND SCALED PER CUSTOMER'S REQUEST

DRILL PIPE DEPTH DURING DEPLOYMENT: 9644

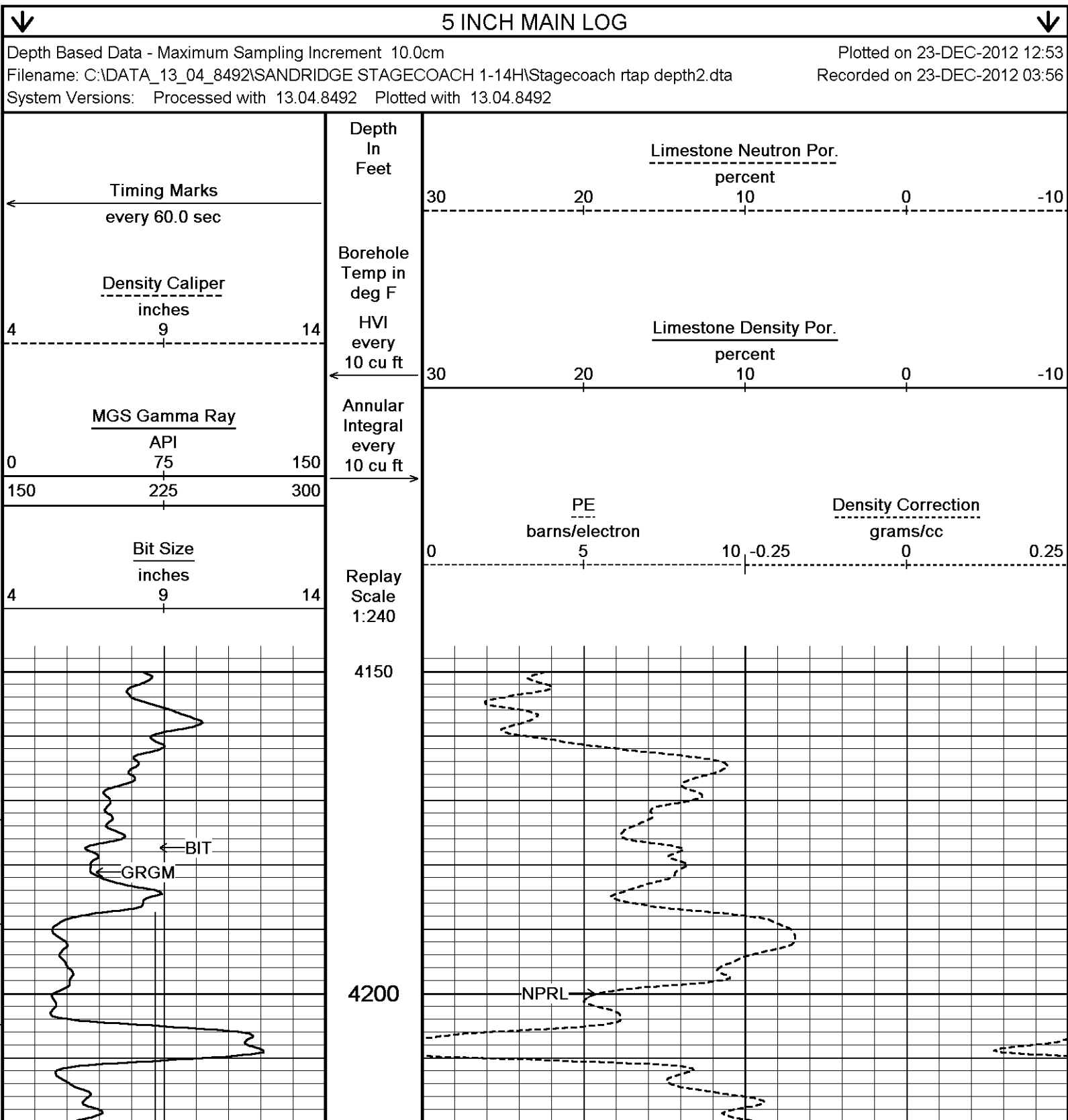
DRIE FILE DEPTH BORING DEPTH: 9746
LOGGING TOOL DEPTH AFTER DEPLOYMENT: 9746

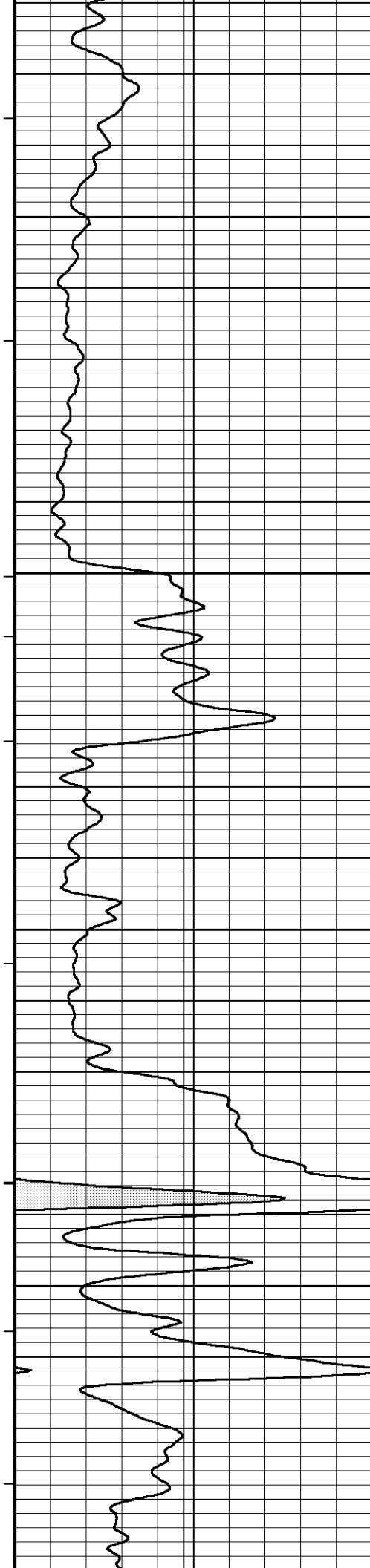
OPERATORS: C. Hawkins and G. Garcia

RIG: Lariat #3

LOG RESPONSES EFFECTED BY HOLE RUGOSITY

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.



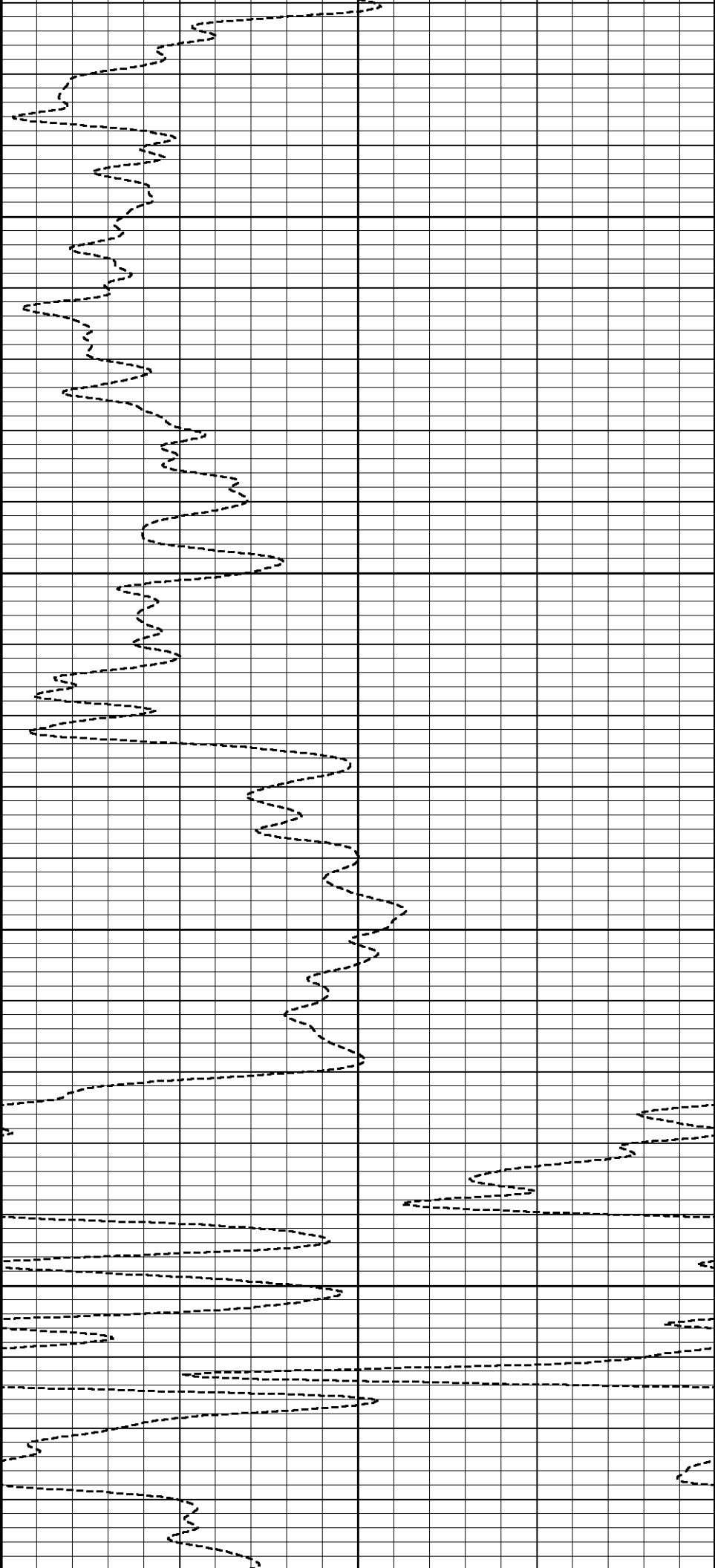


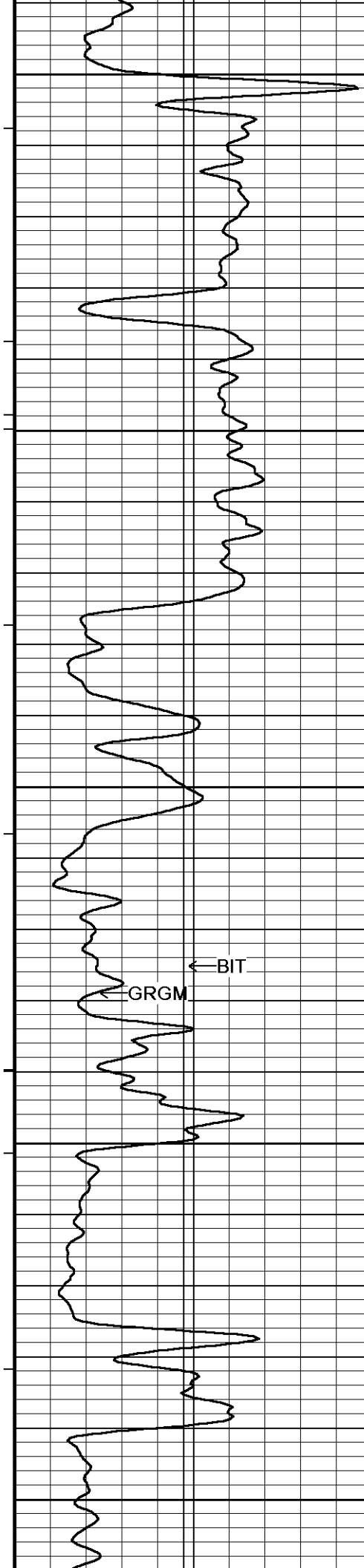
4250

4300

4350

4400





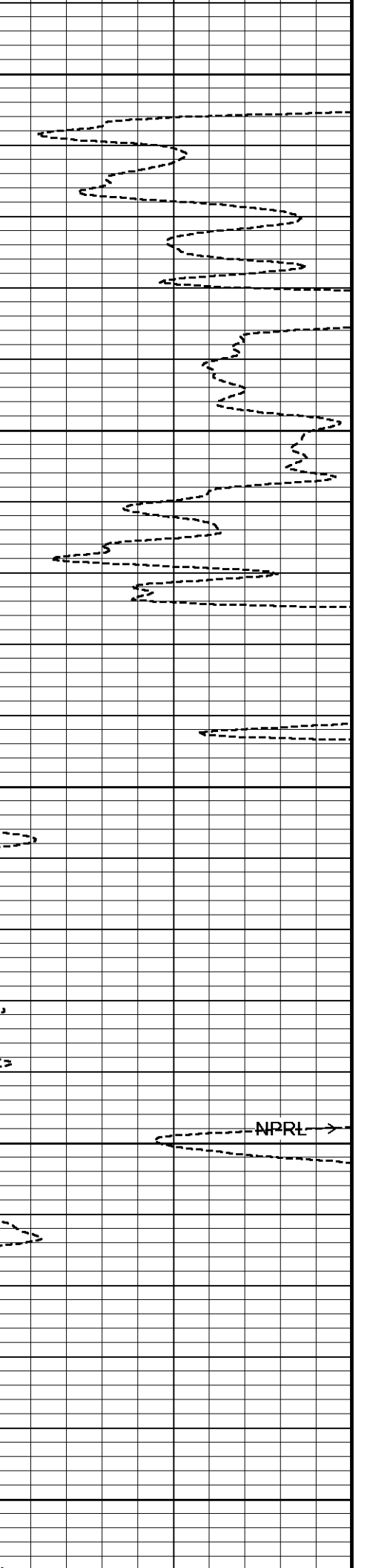
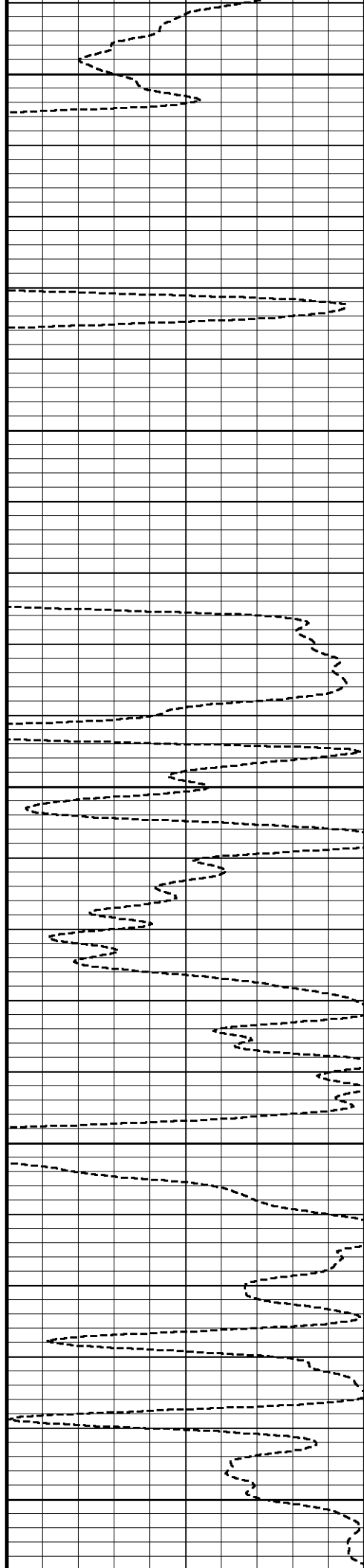
4450

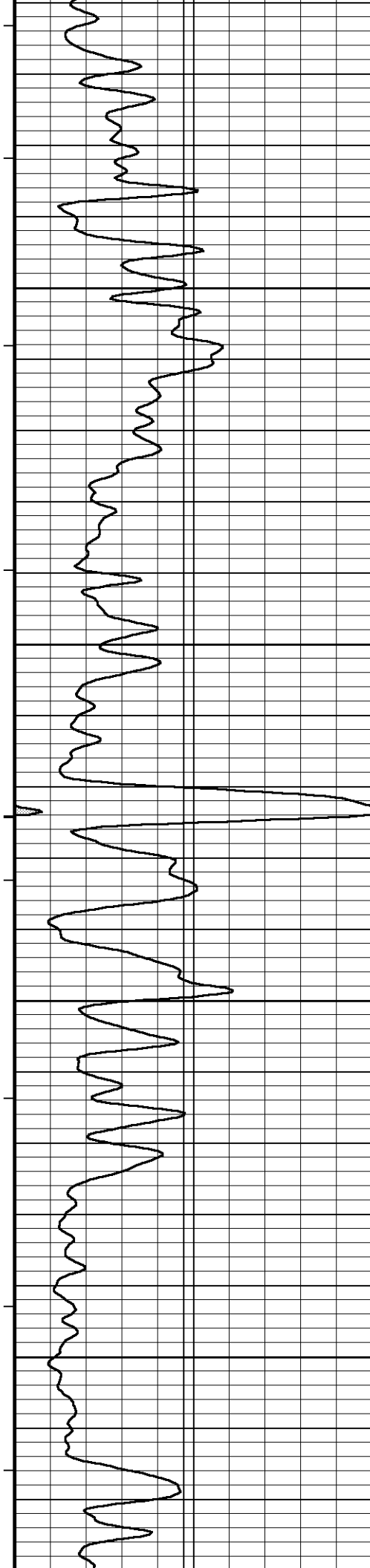
4500

4550

4600

4650



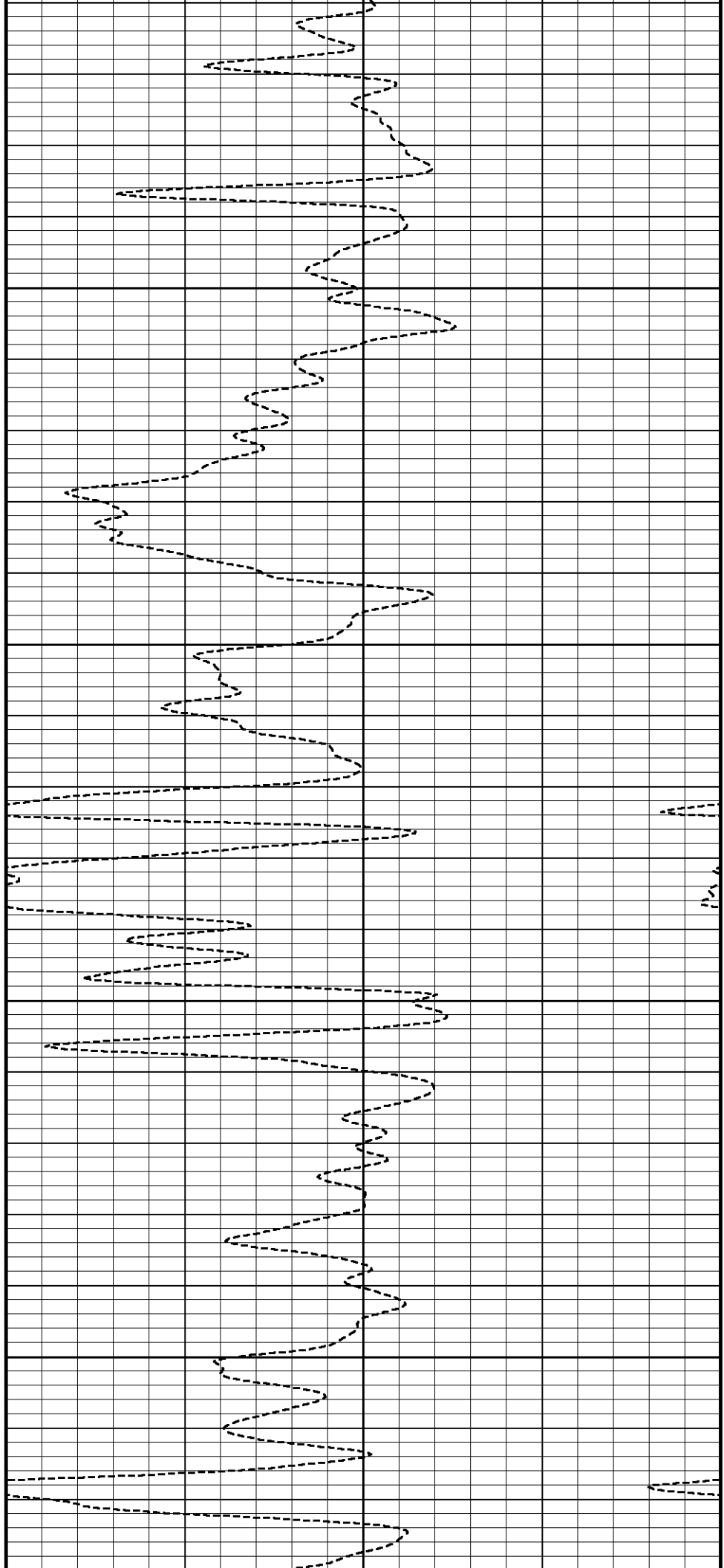


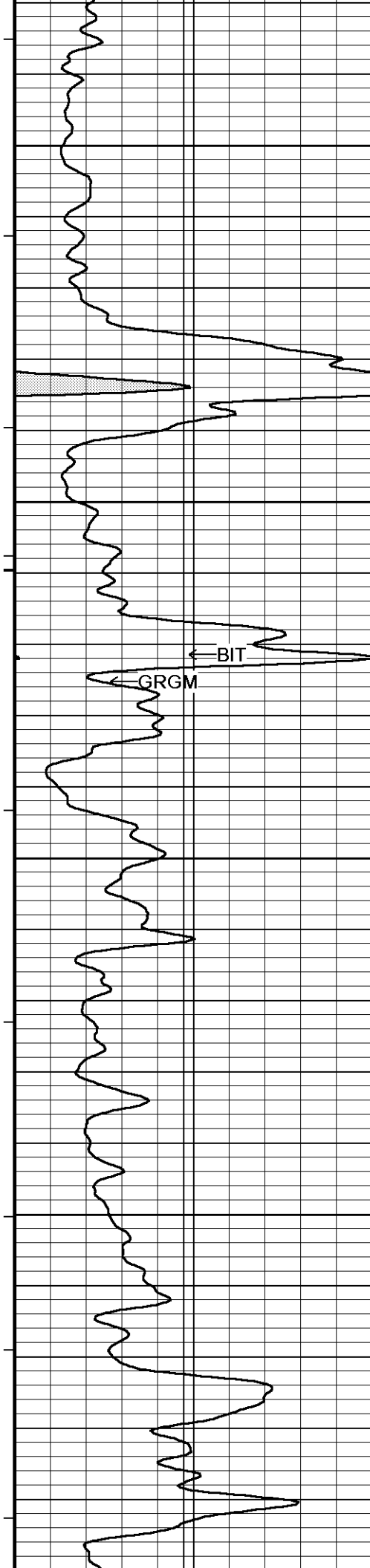
4700

4750

4800

4850





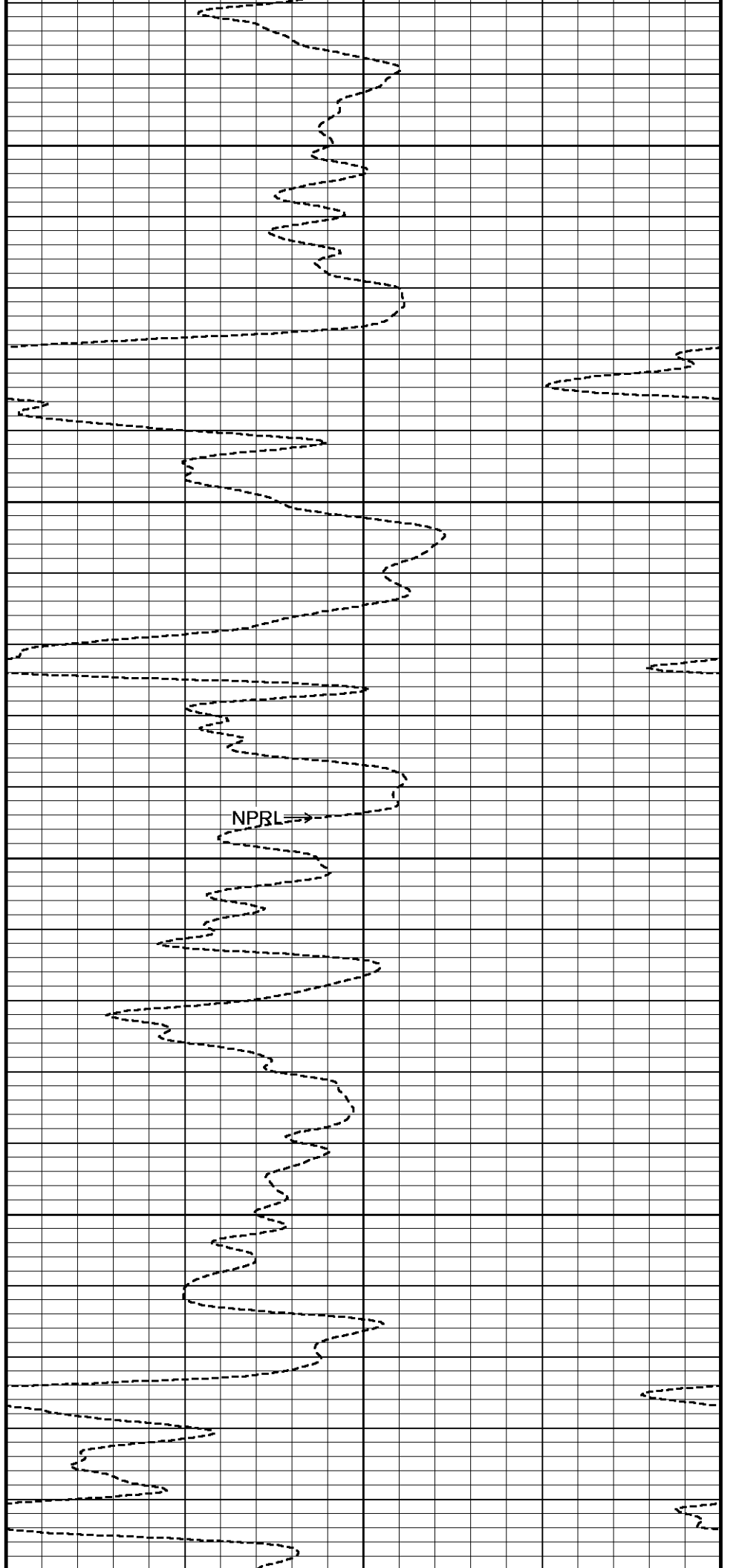
4900

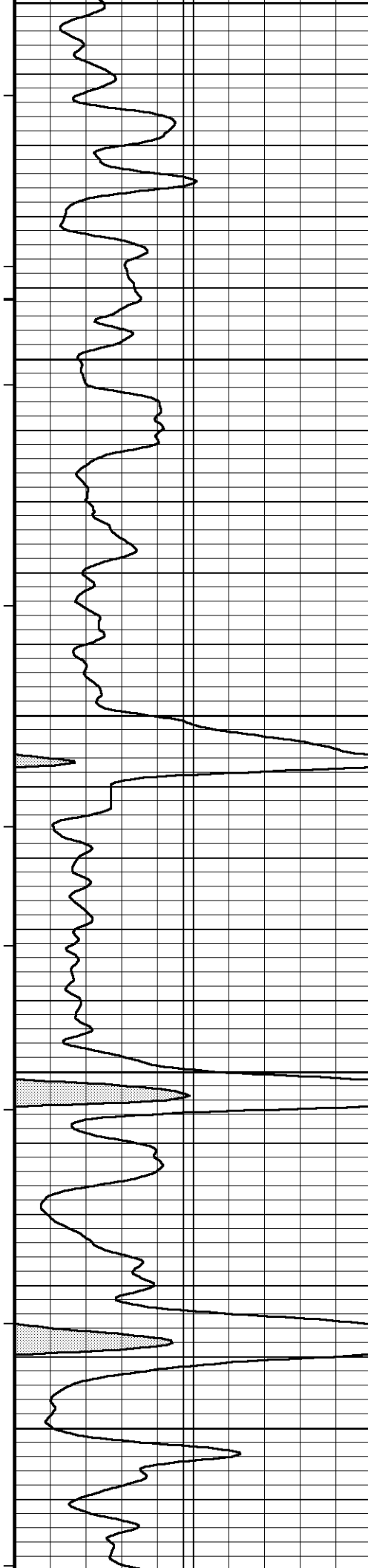
4950

5000

5050

5100





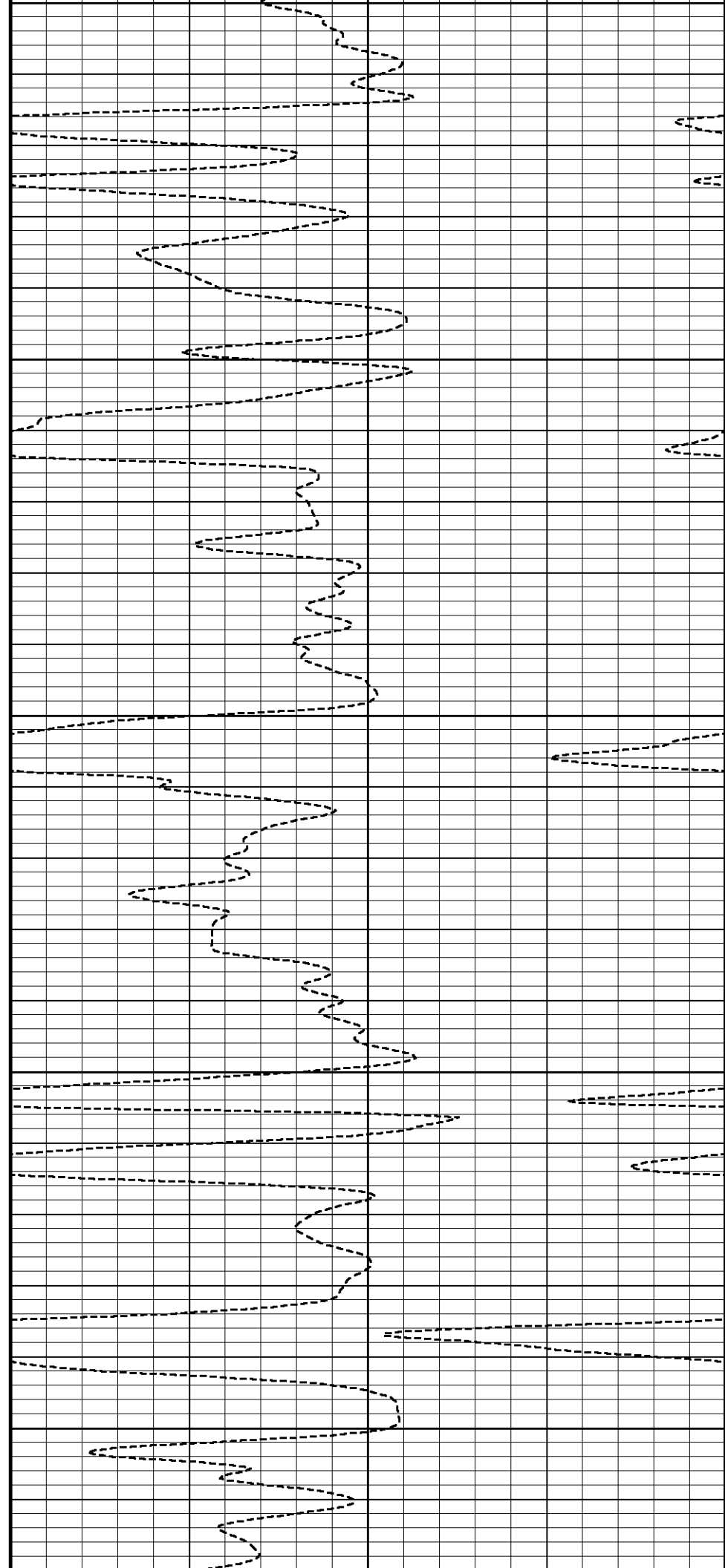
5100

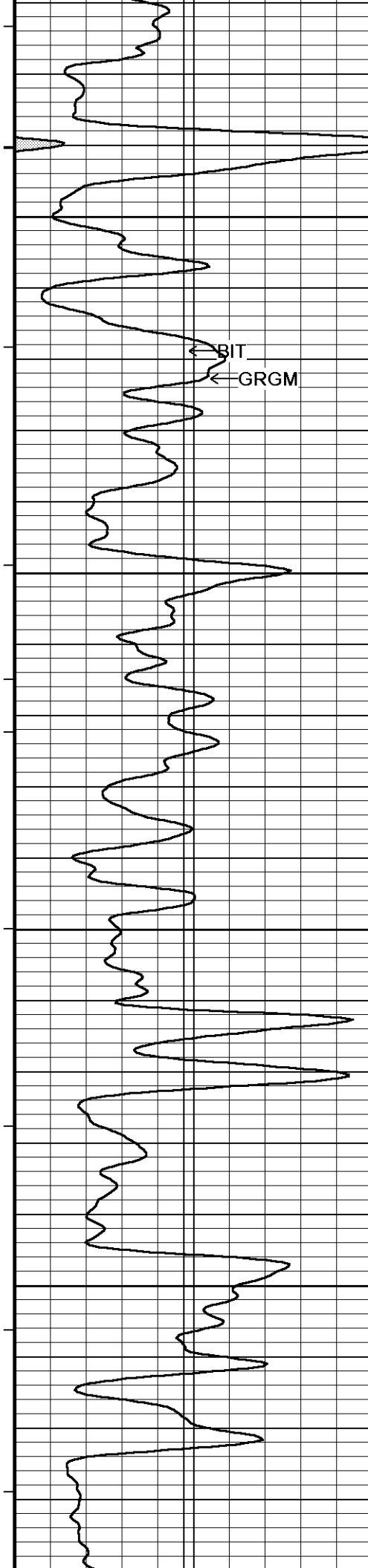
5150

5200

5250

5300



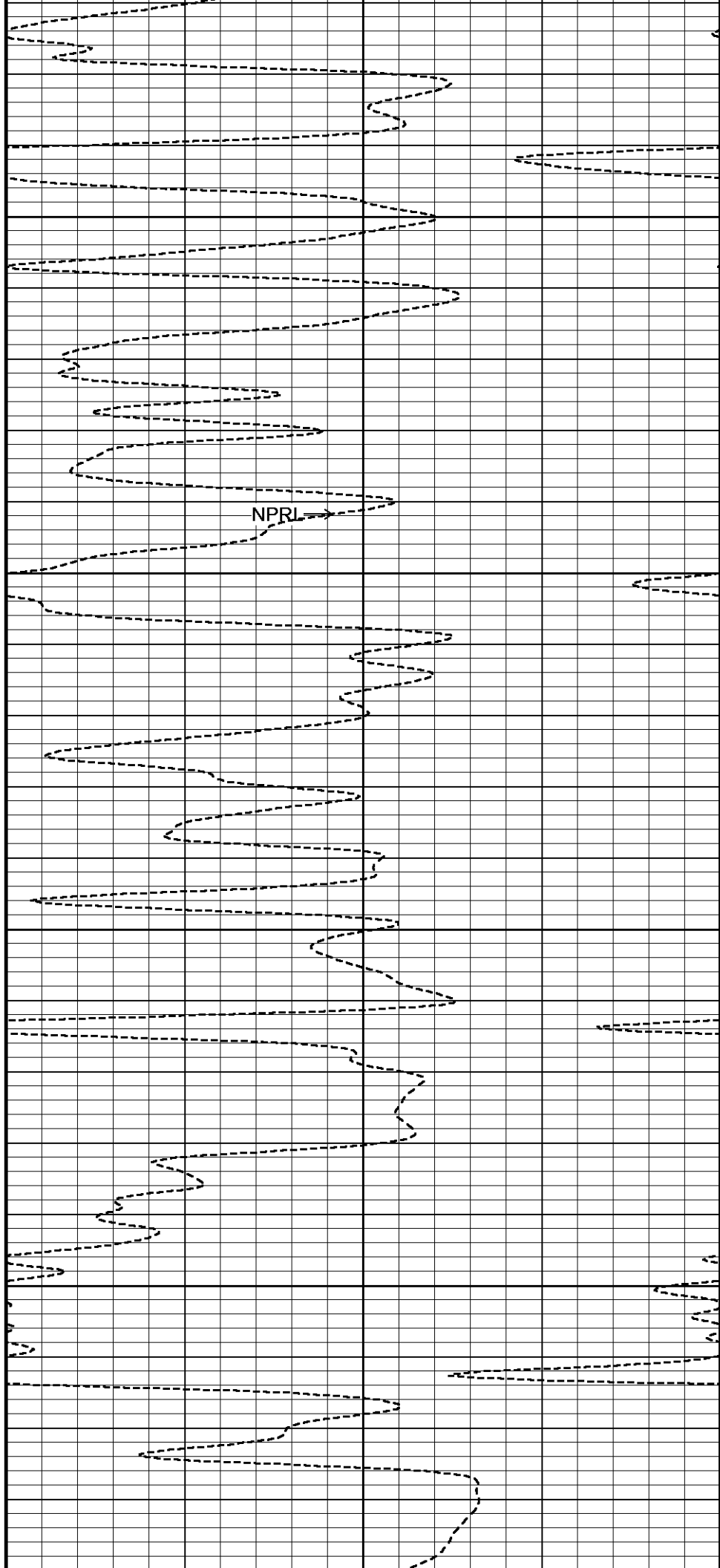


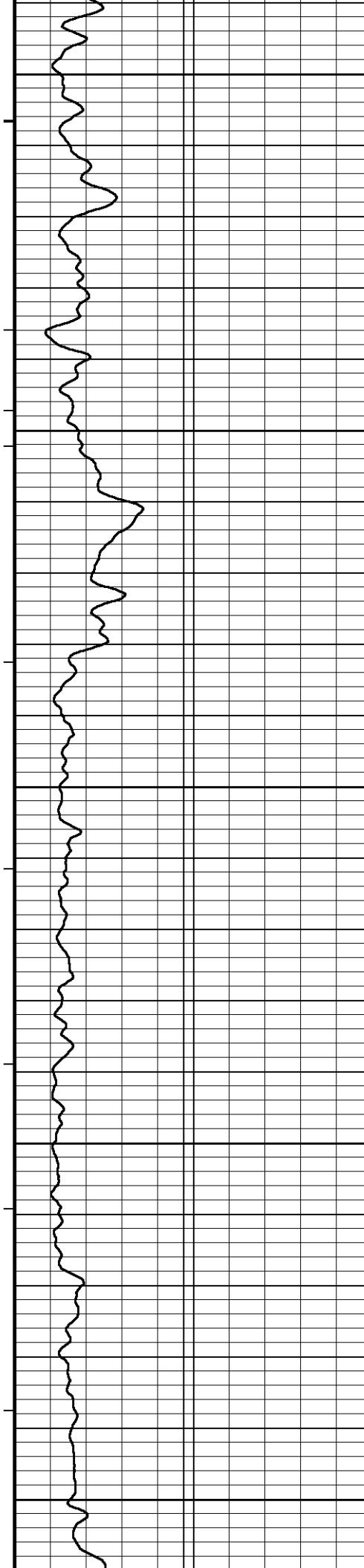
5350

5400

5450

5500





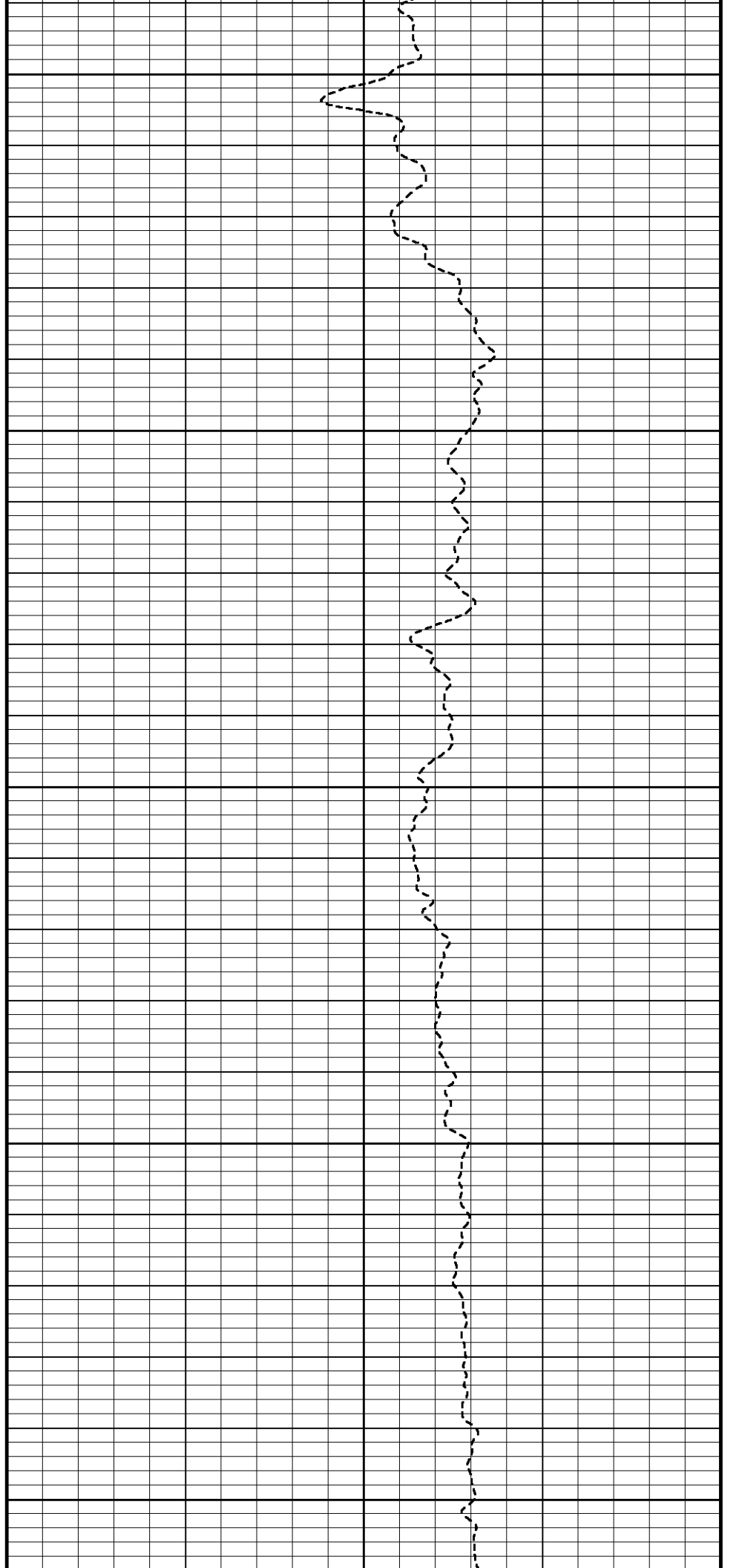
5550

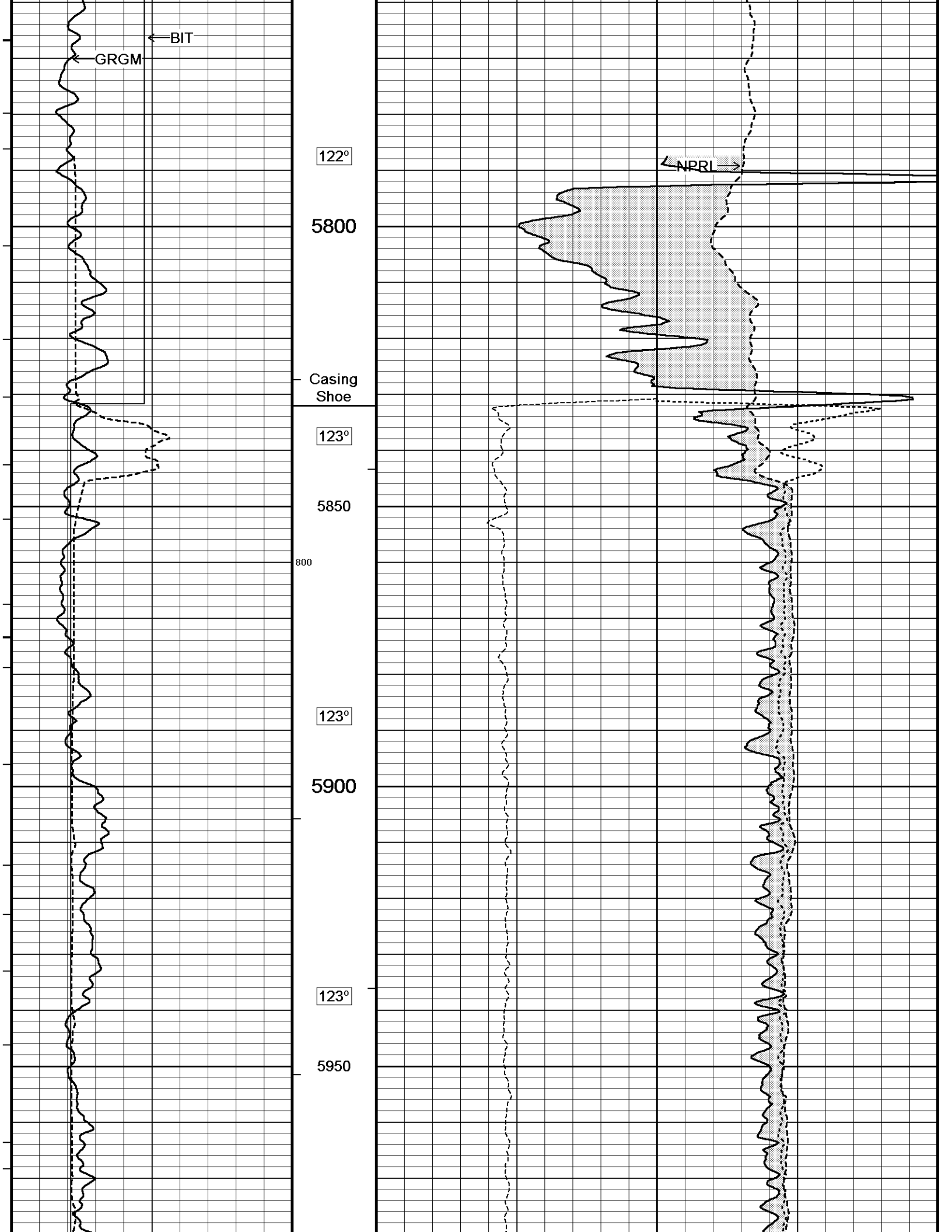
5600

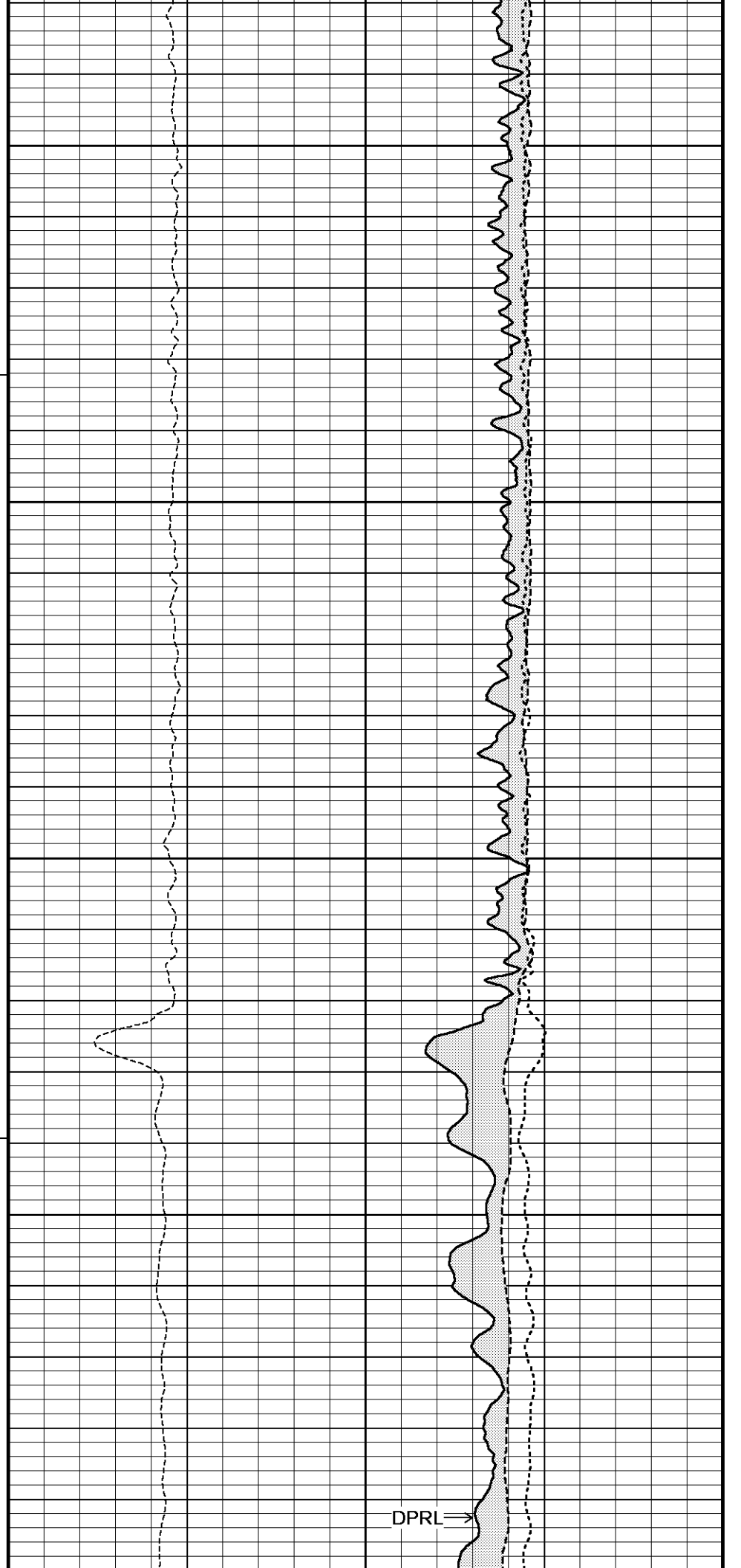
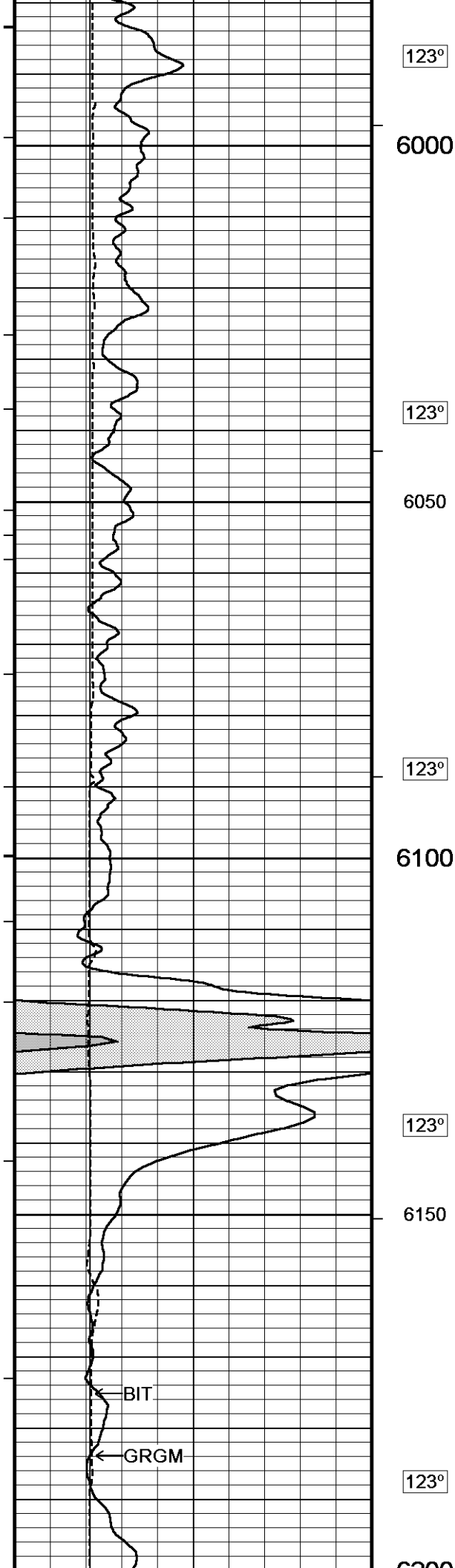
5650

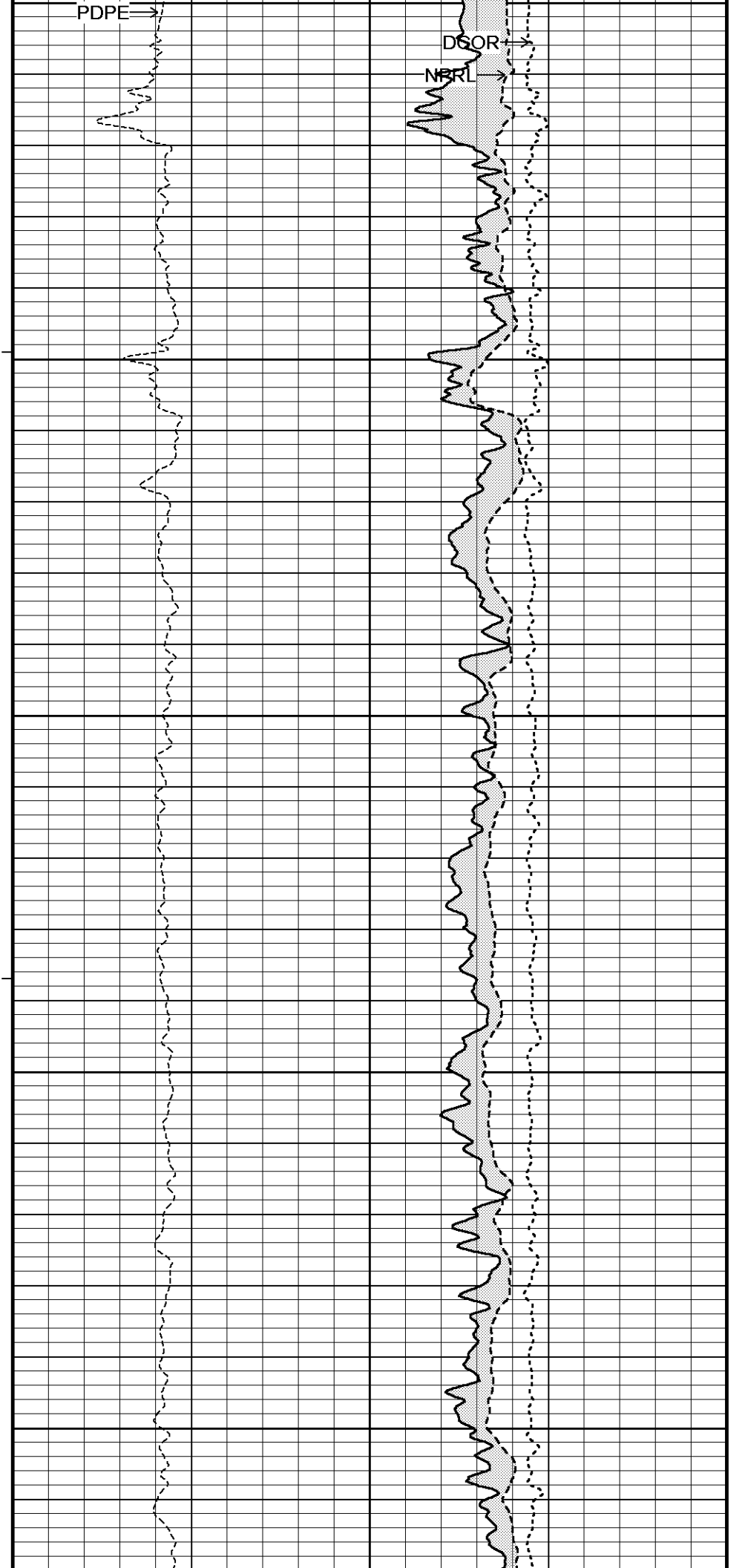
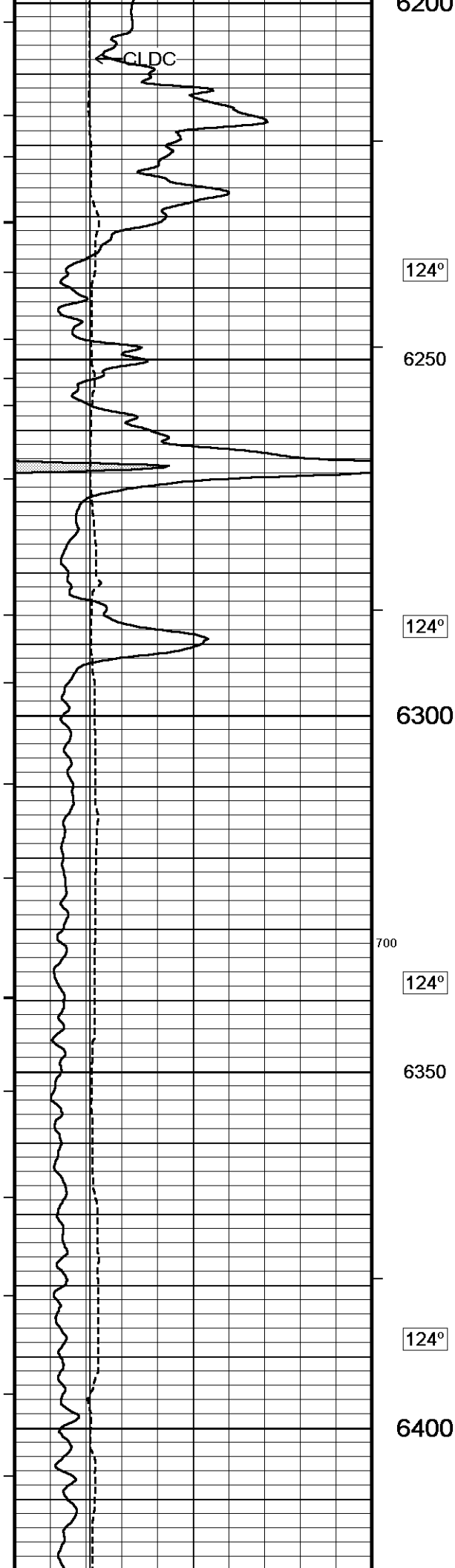
5700

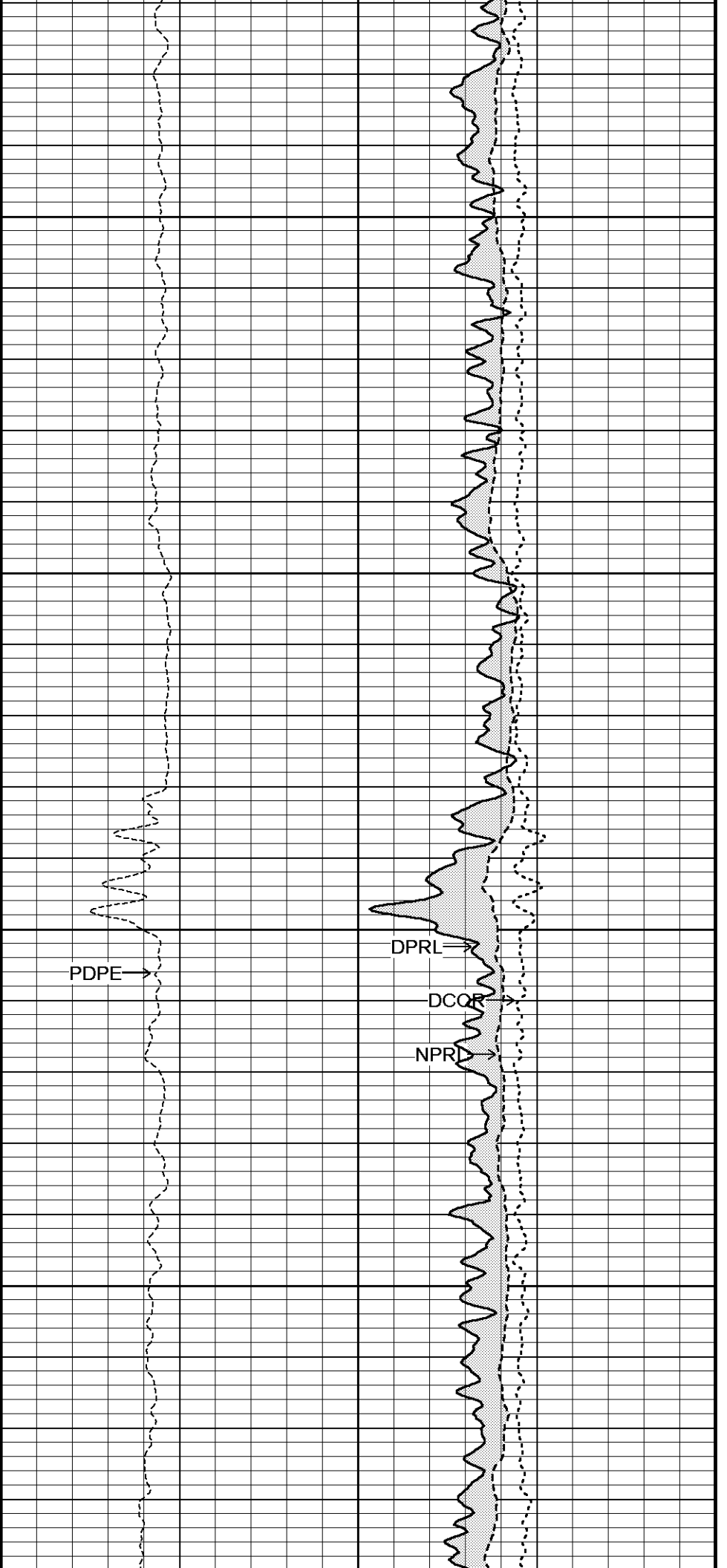
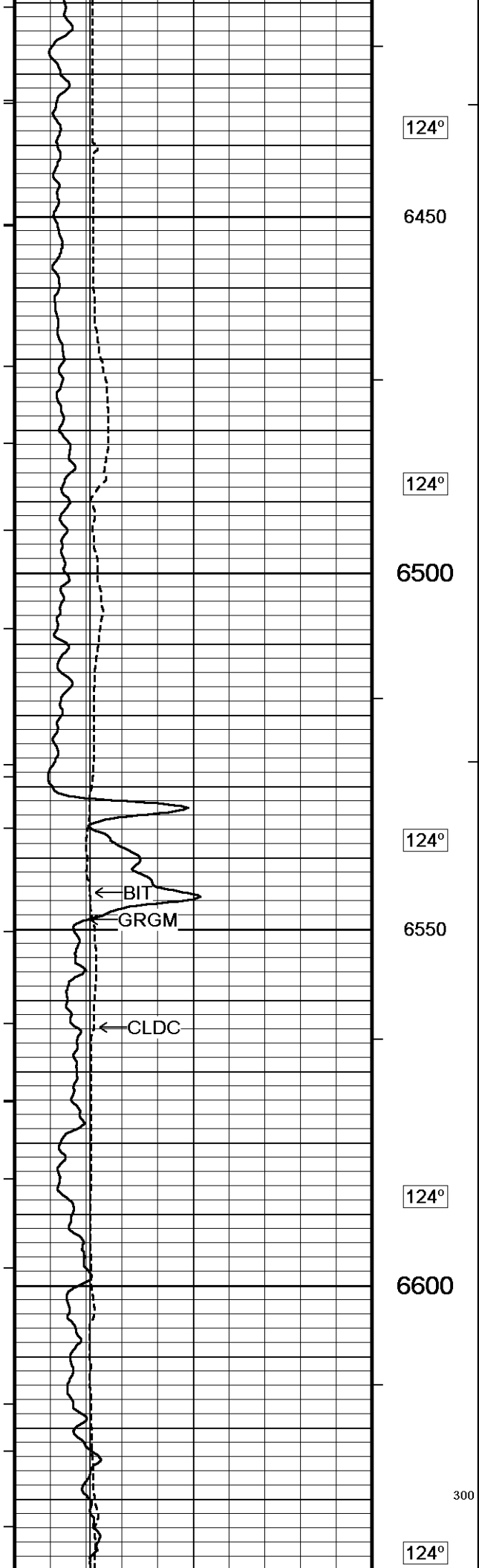
5750

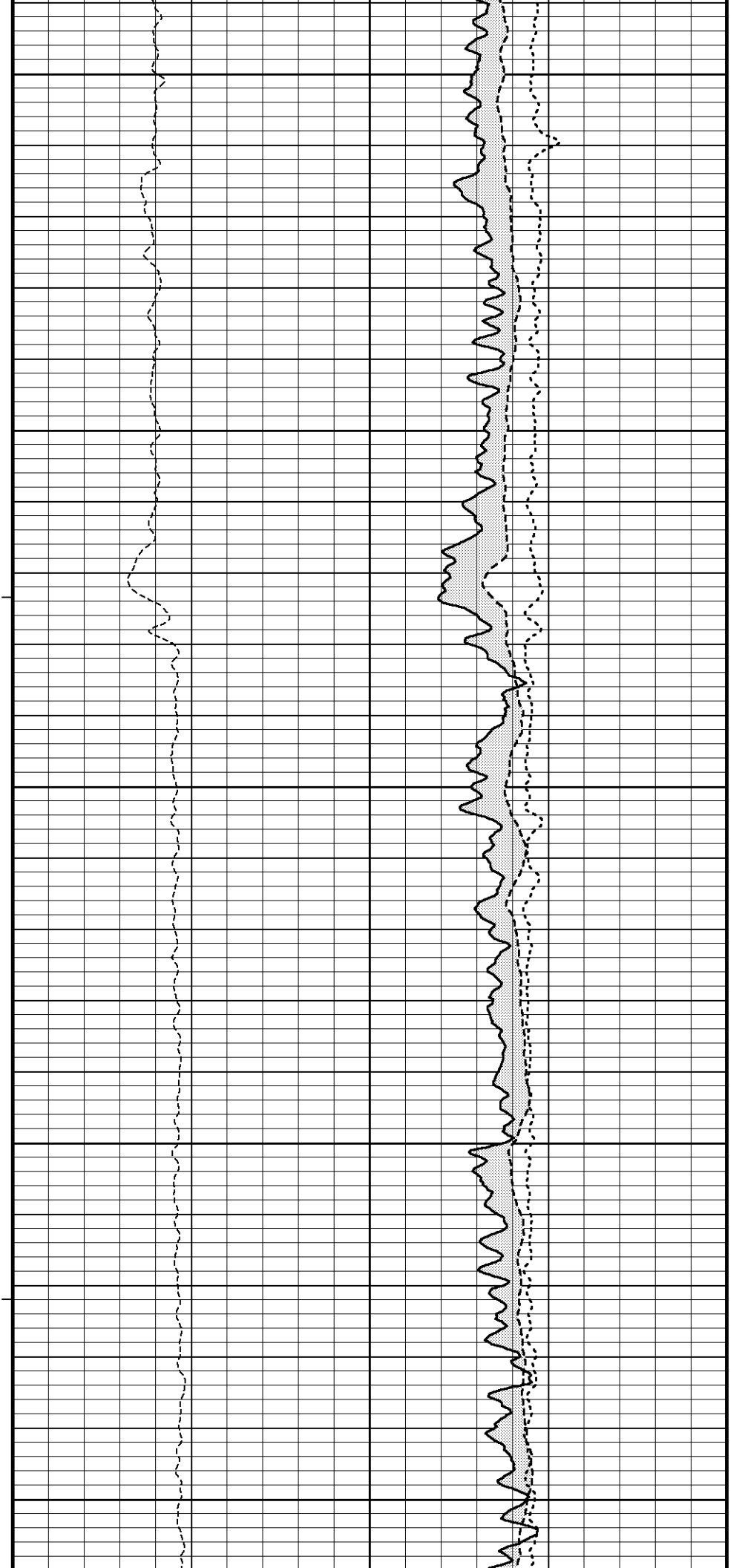
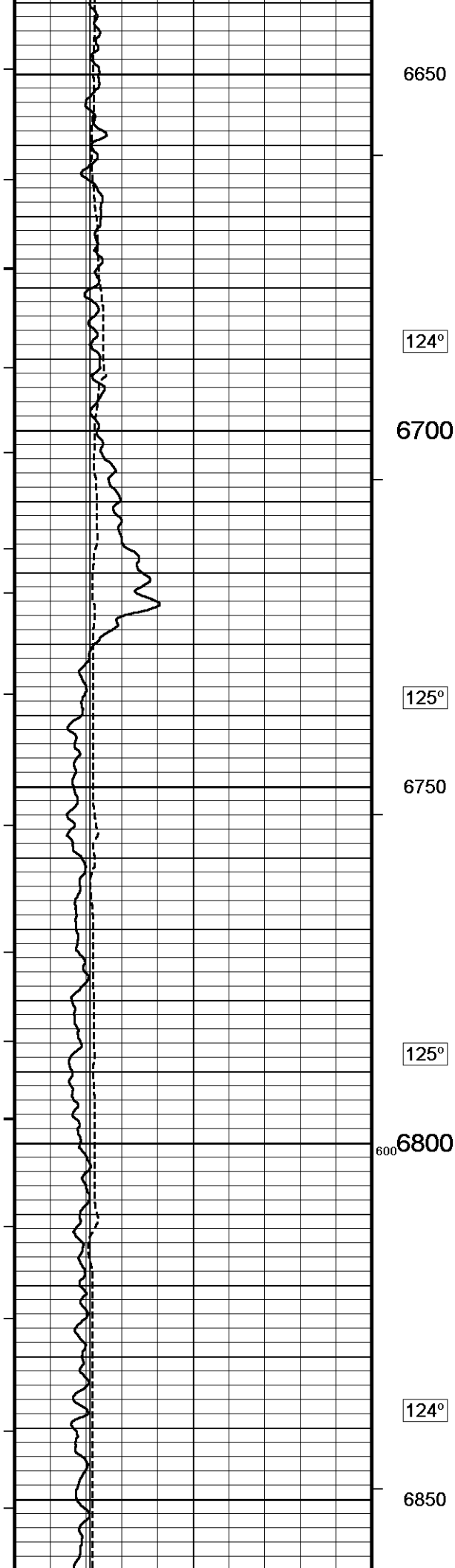


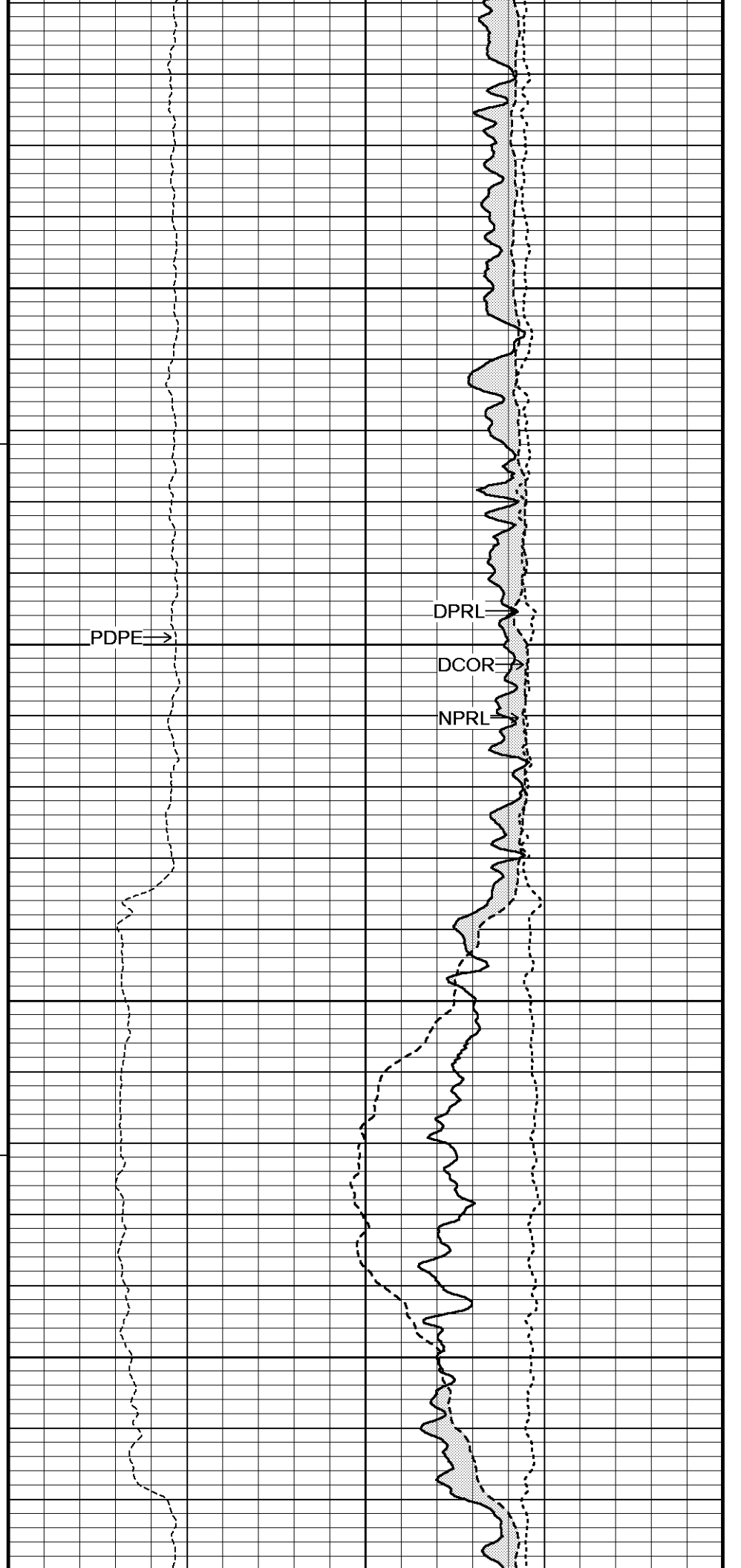
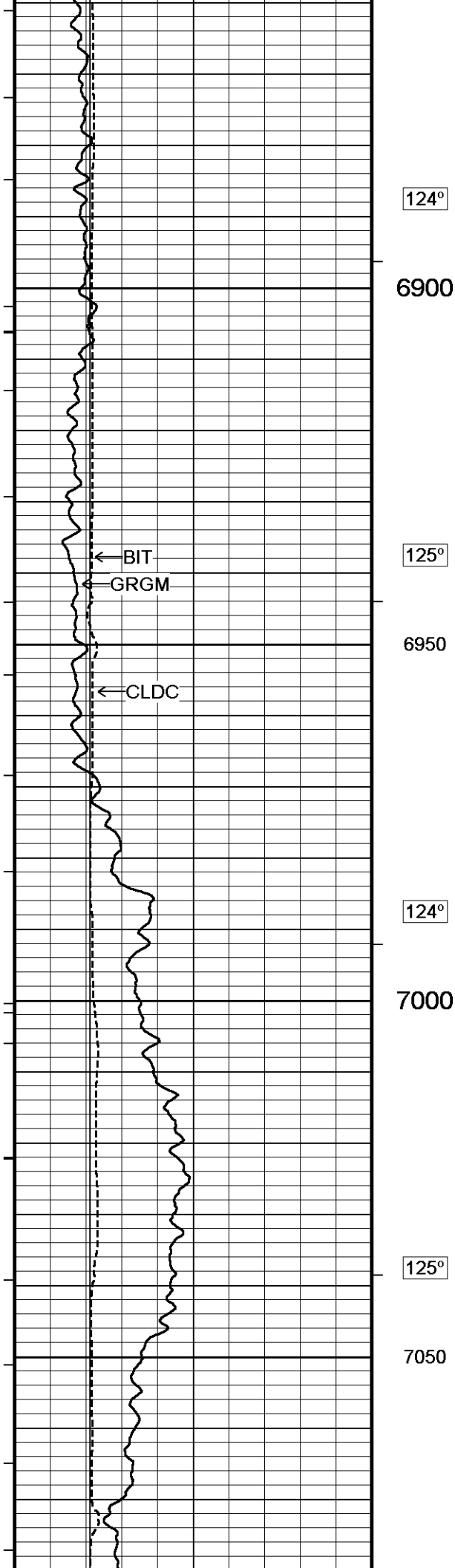


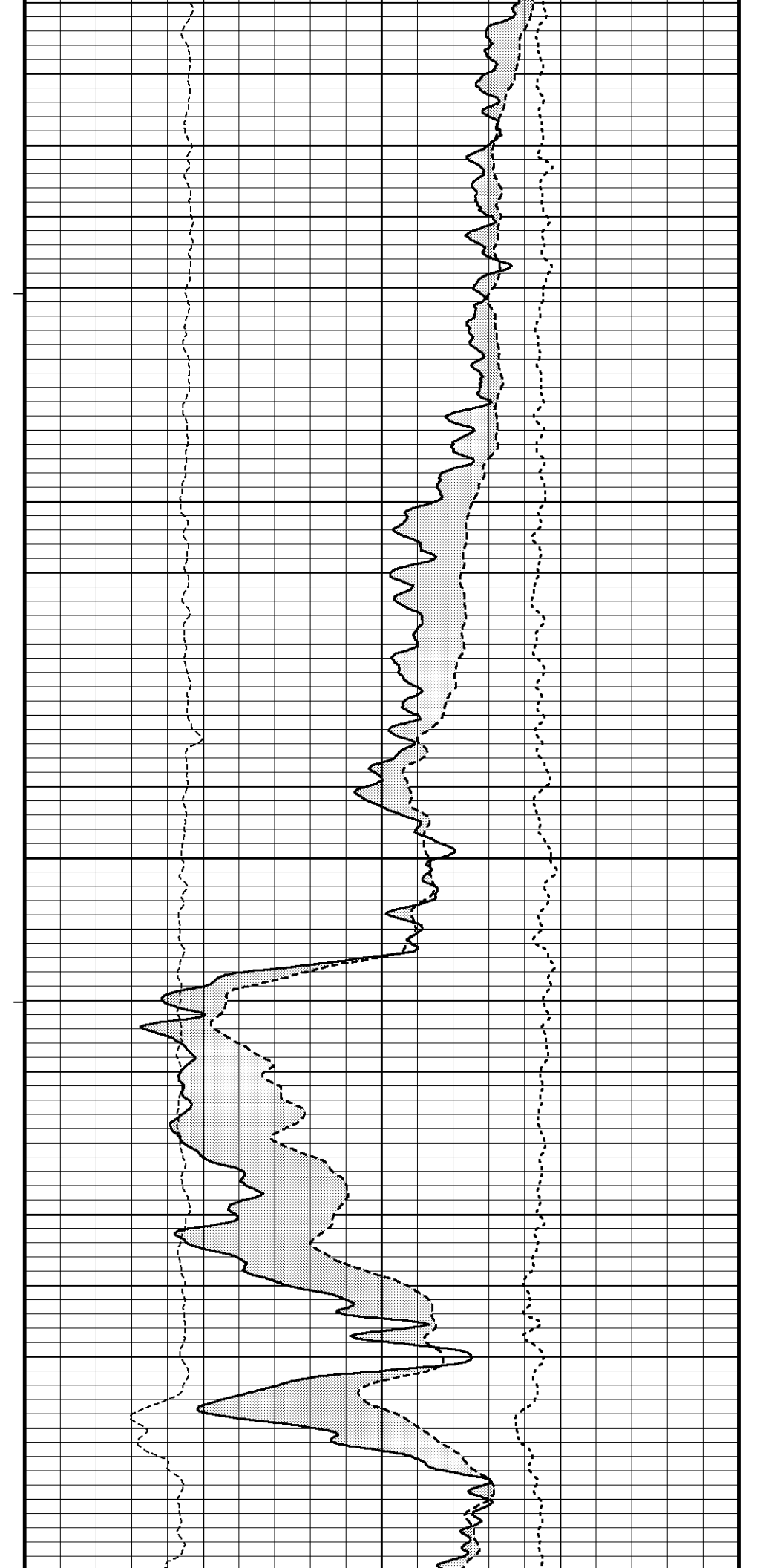
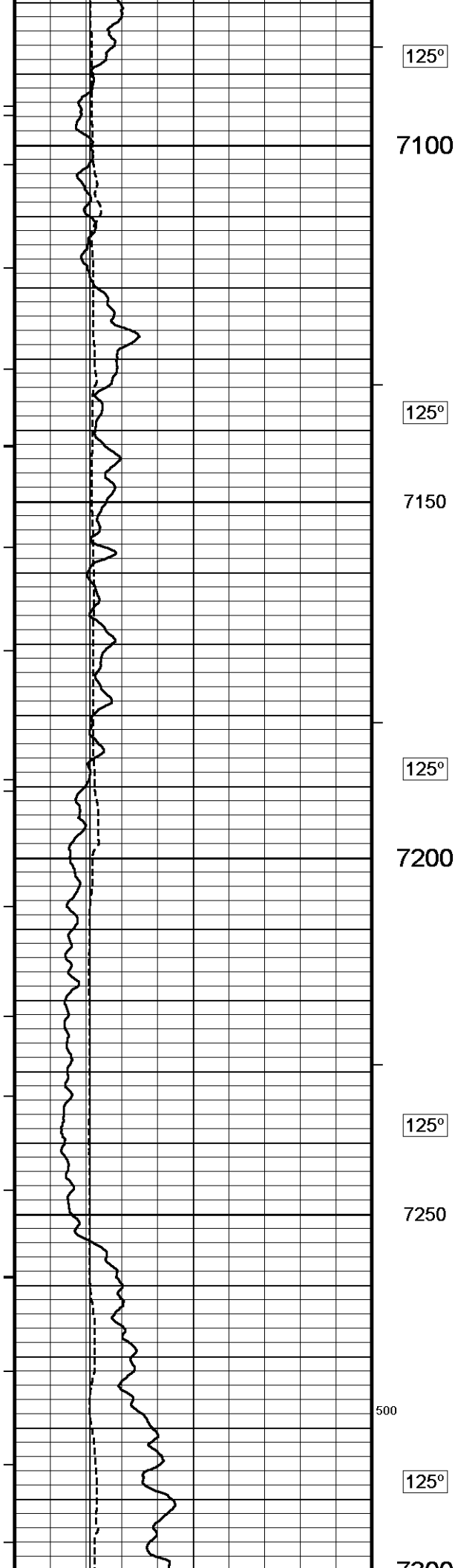


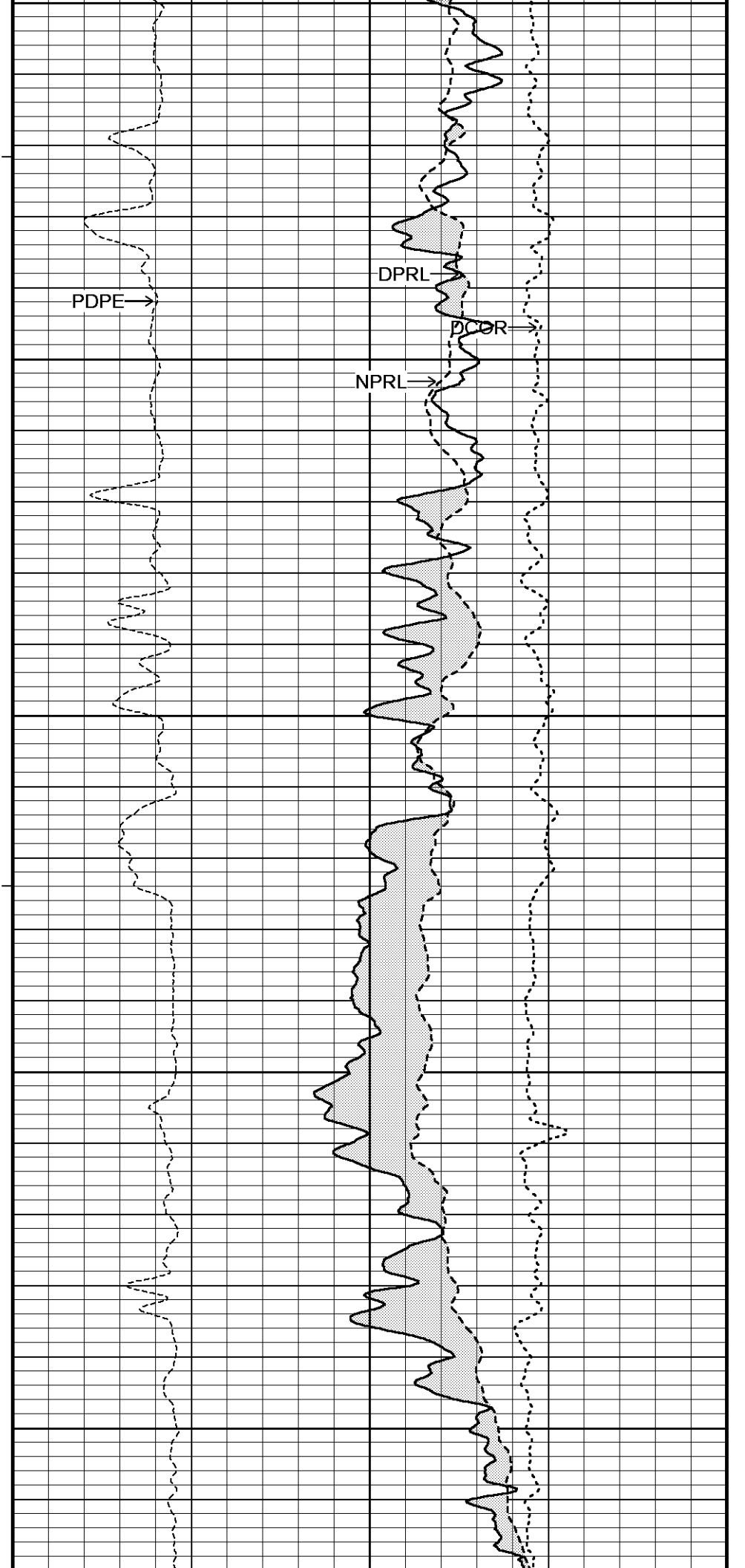
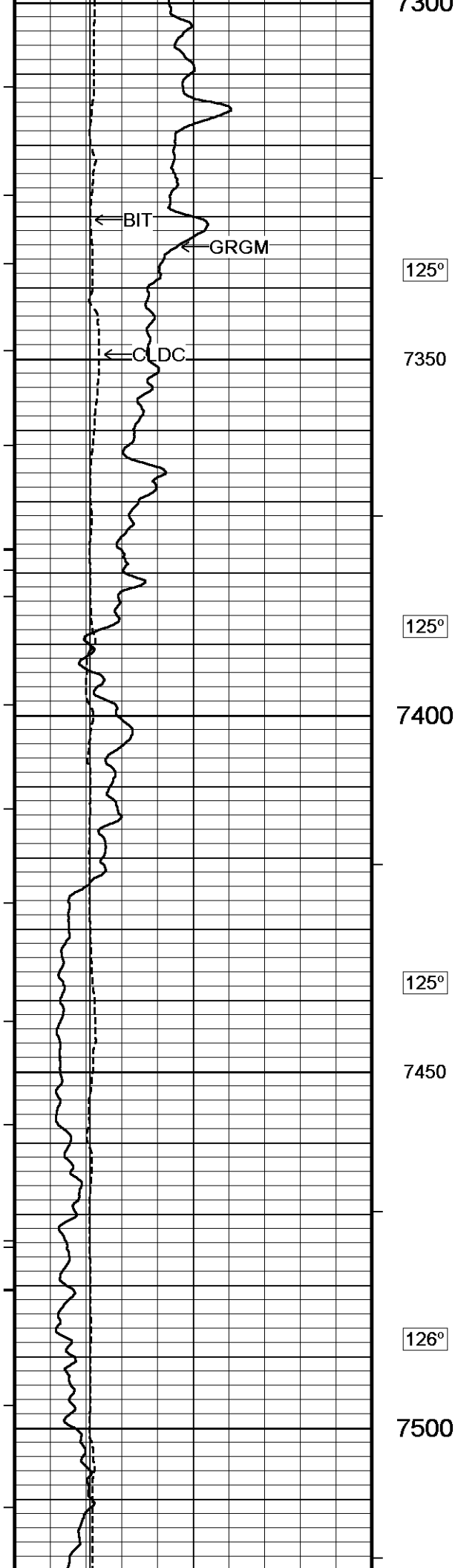


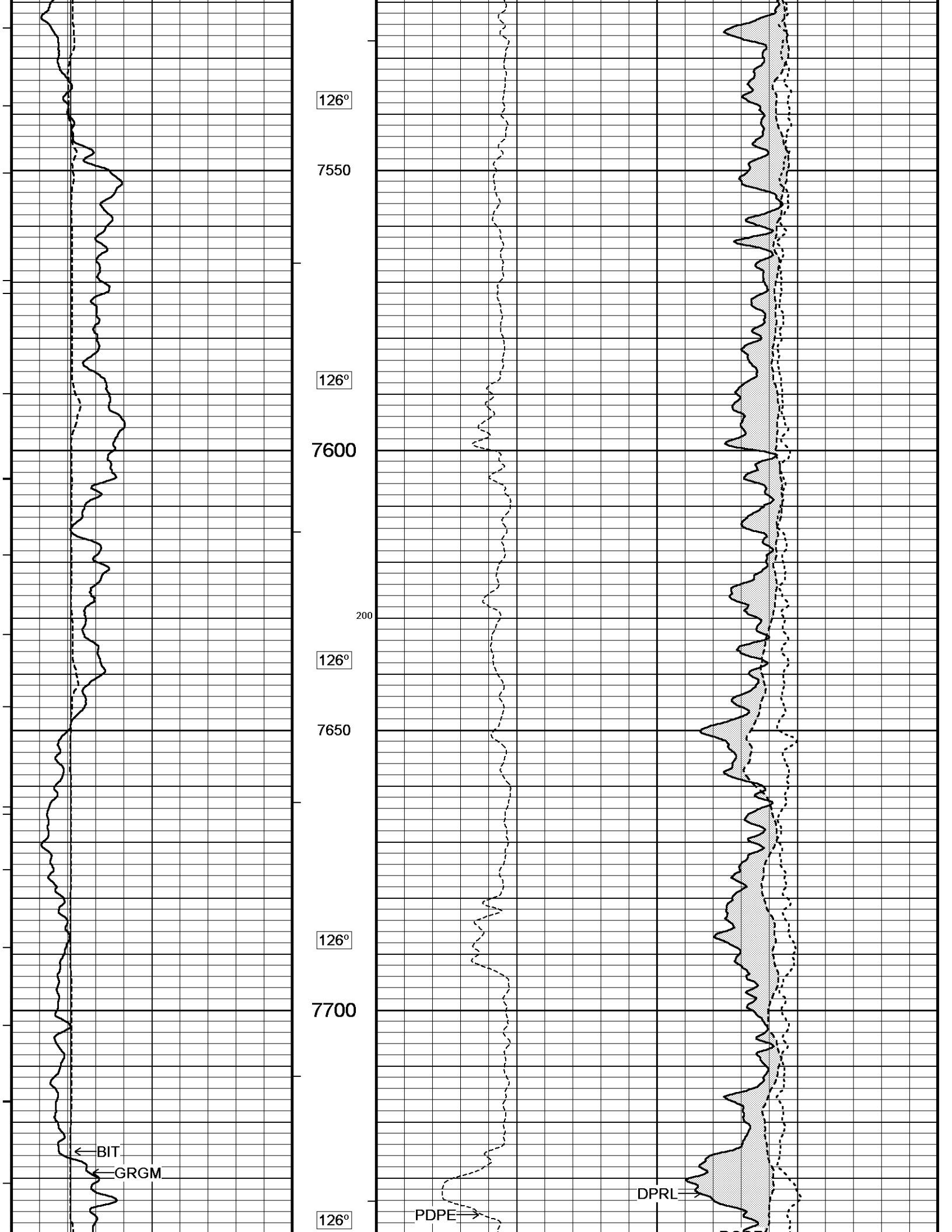


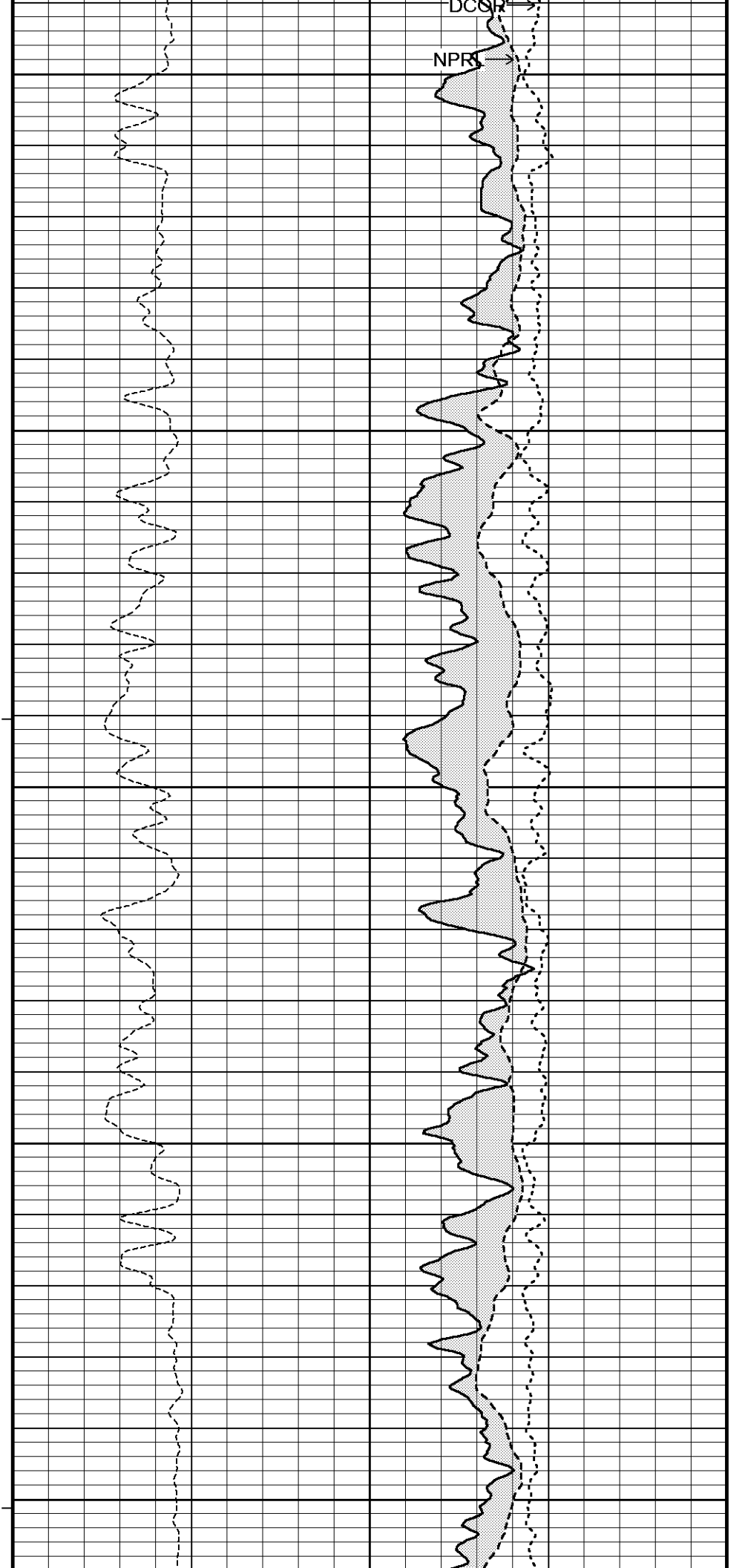
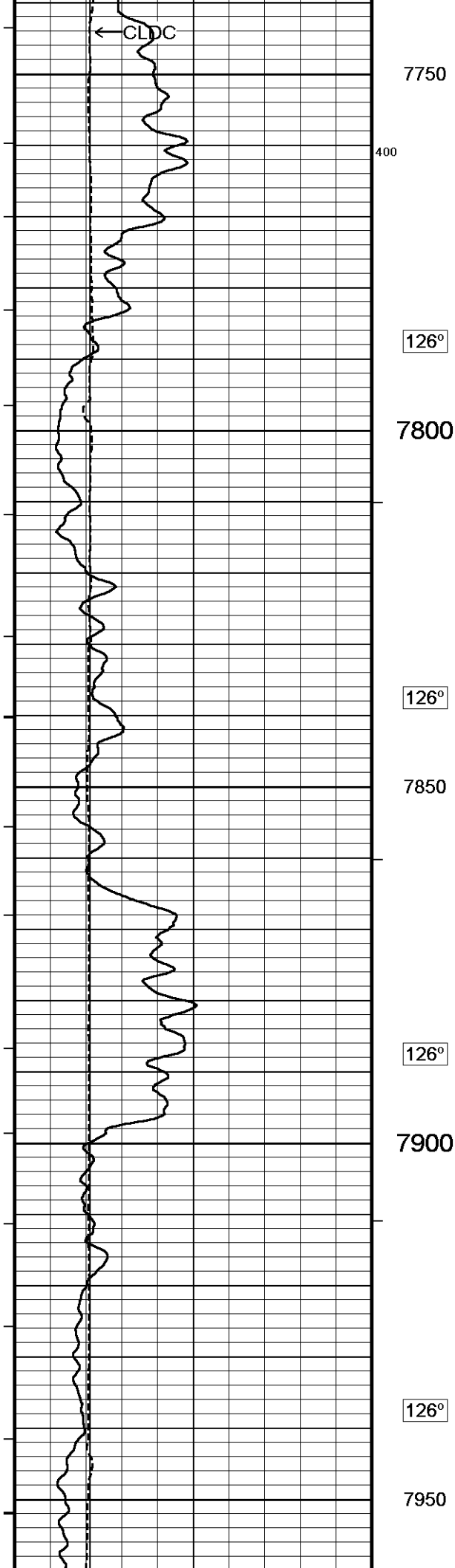


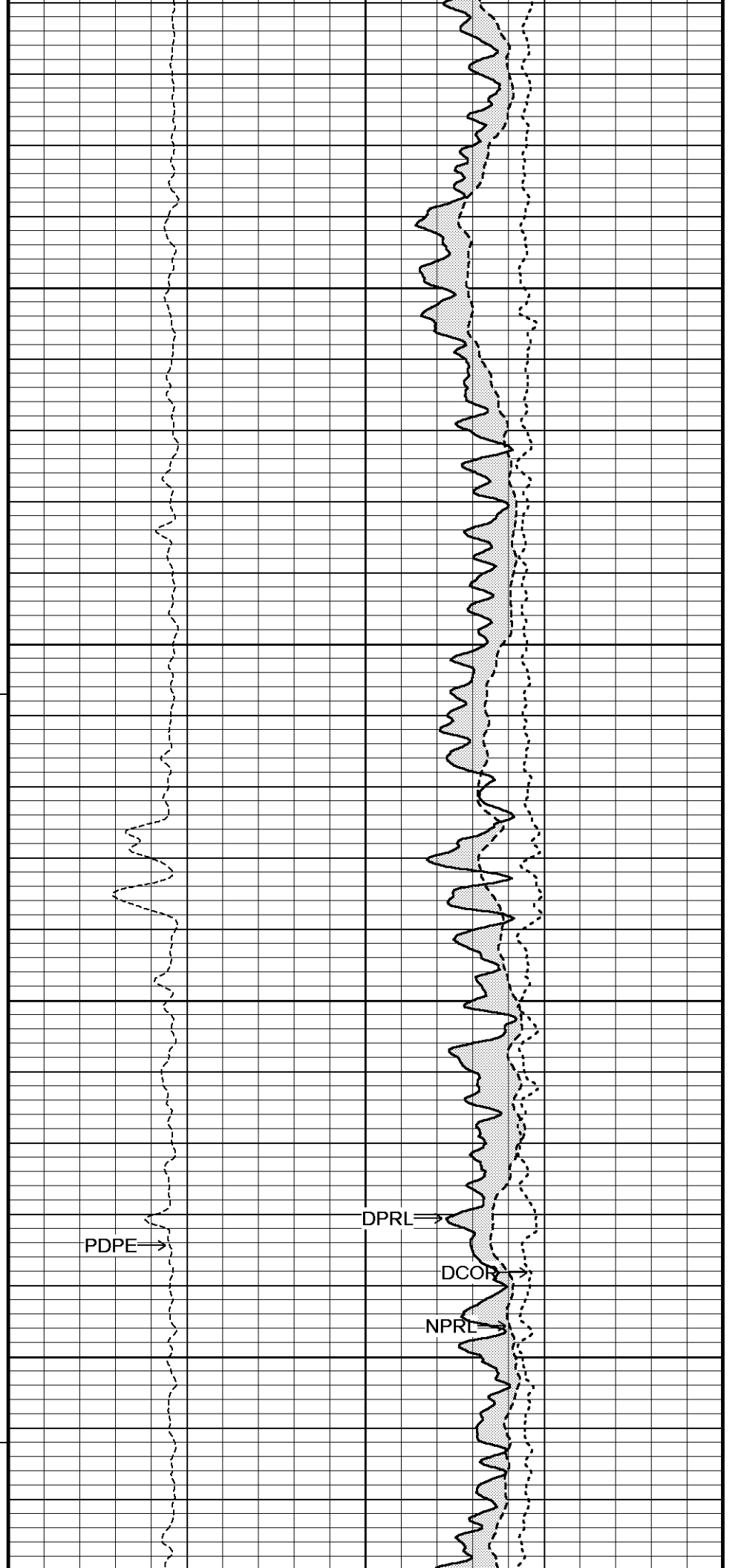
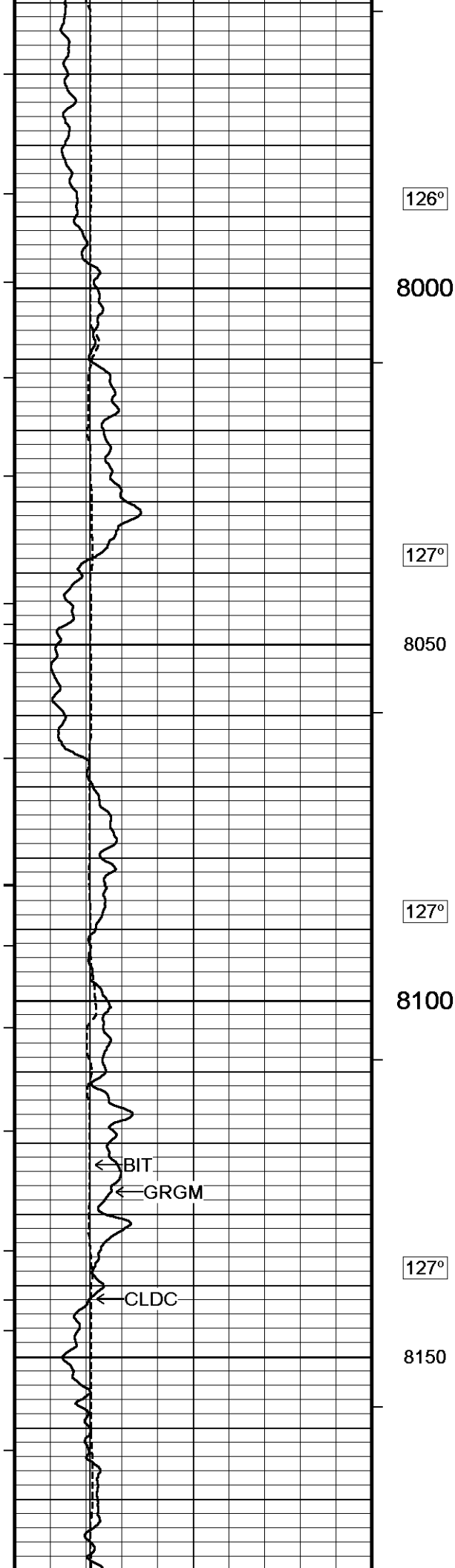


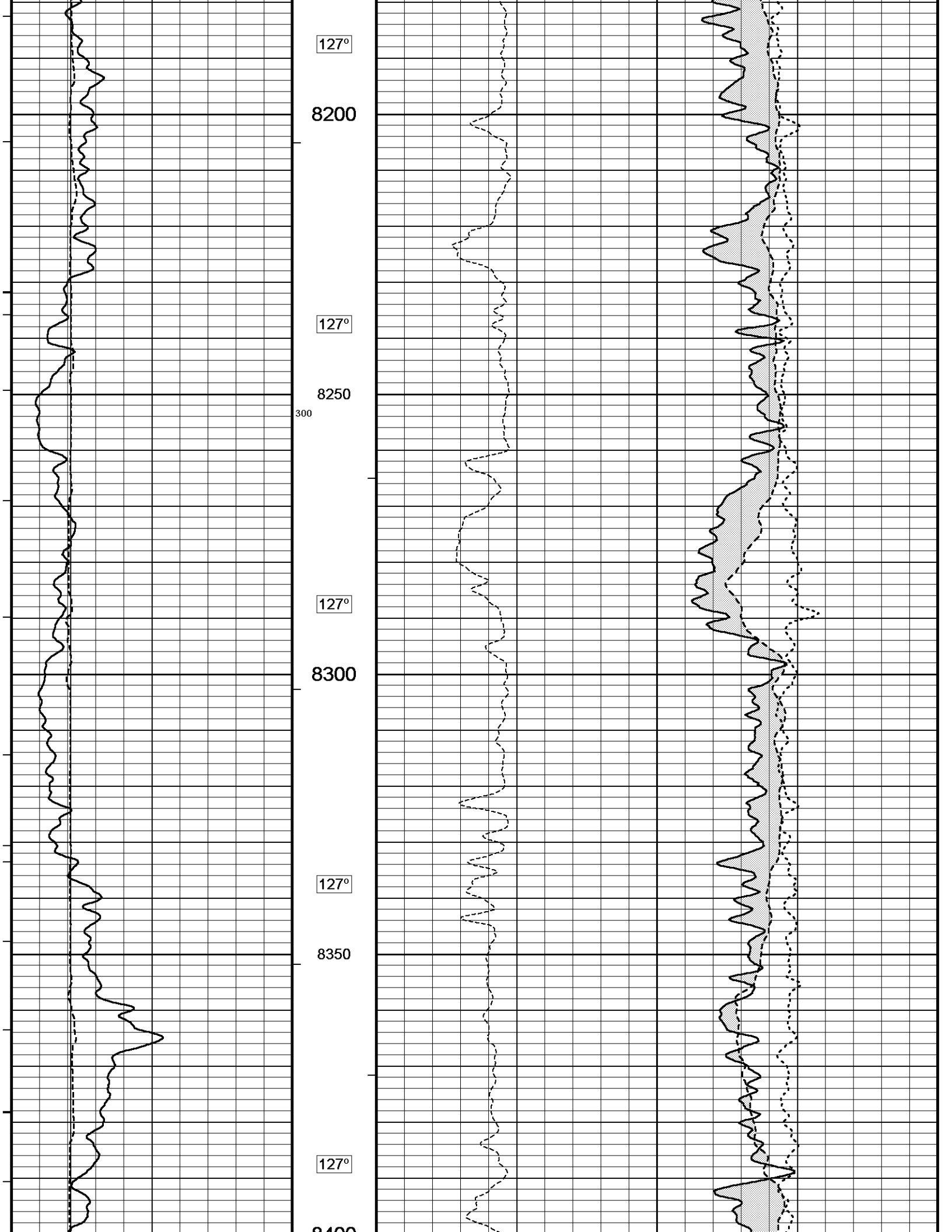


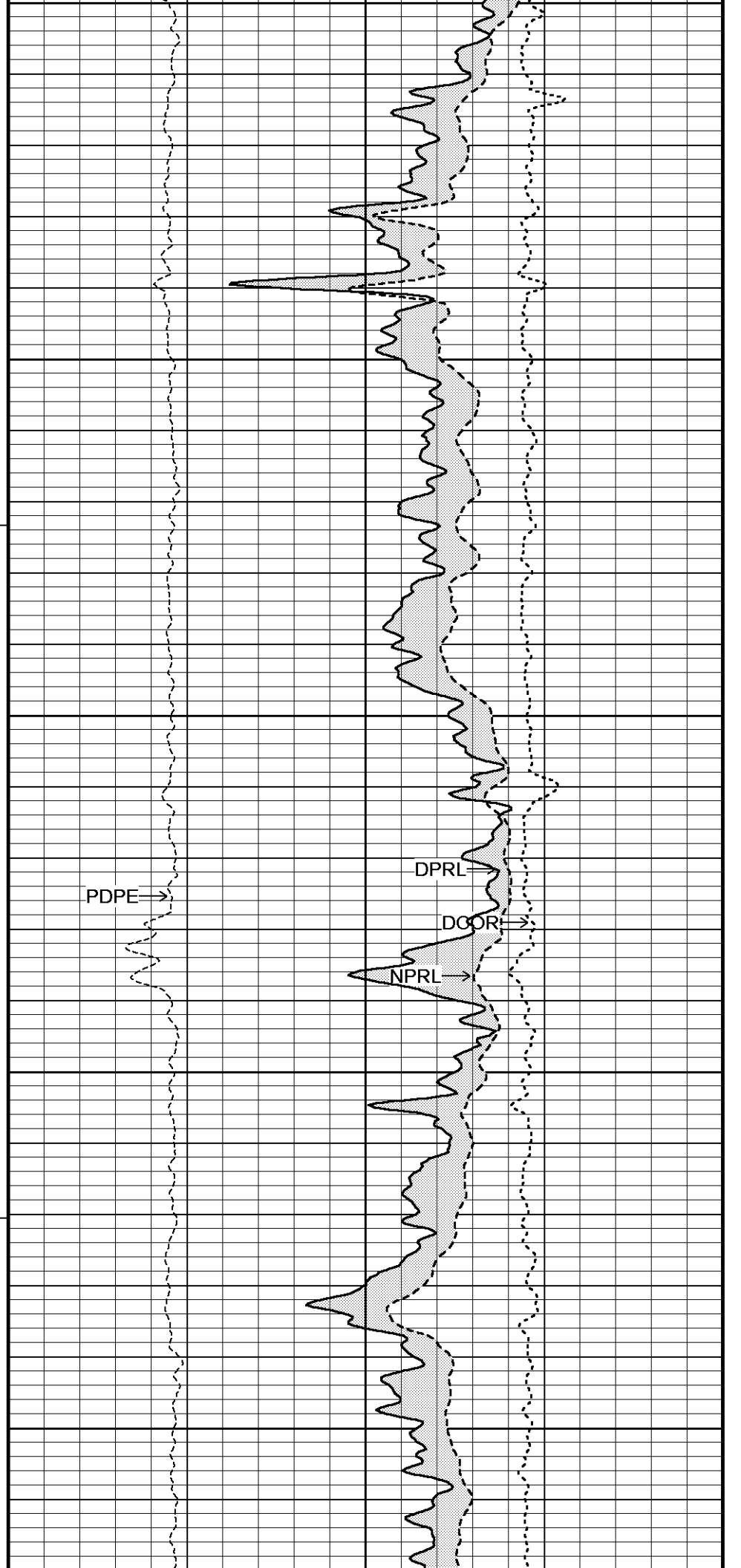
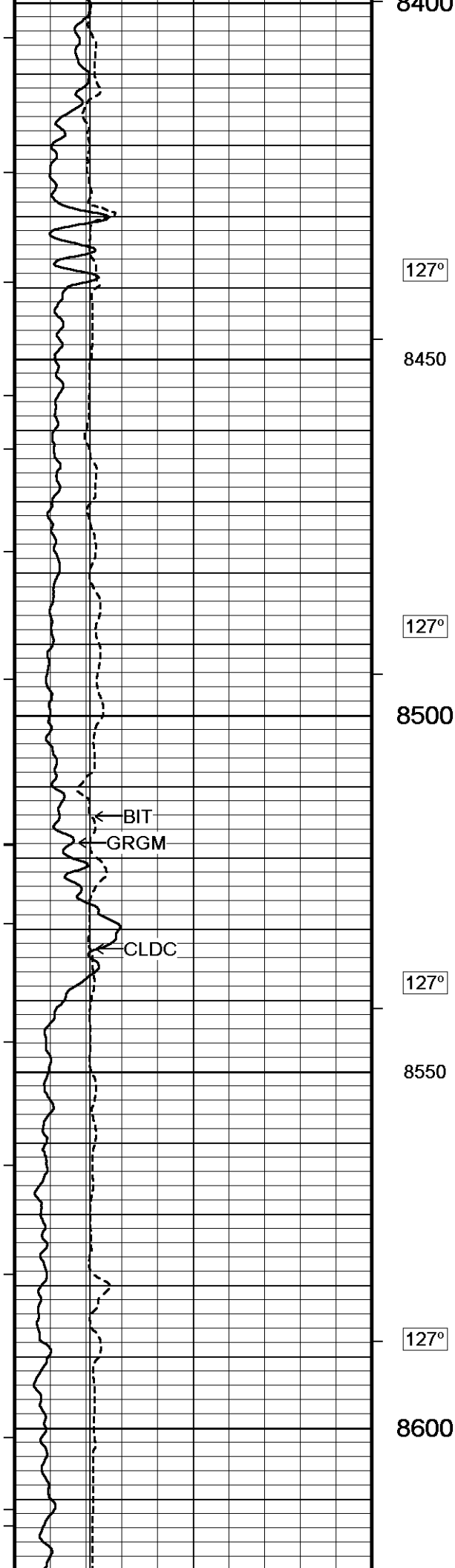


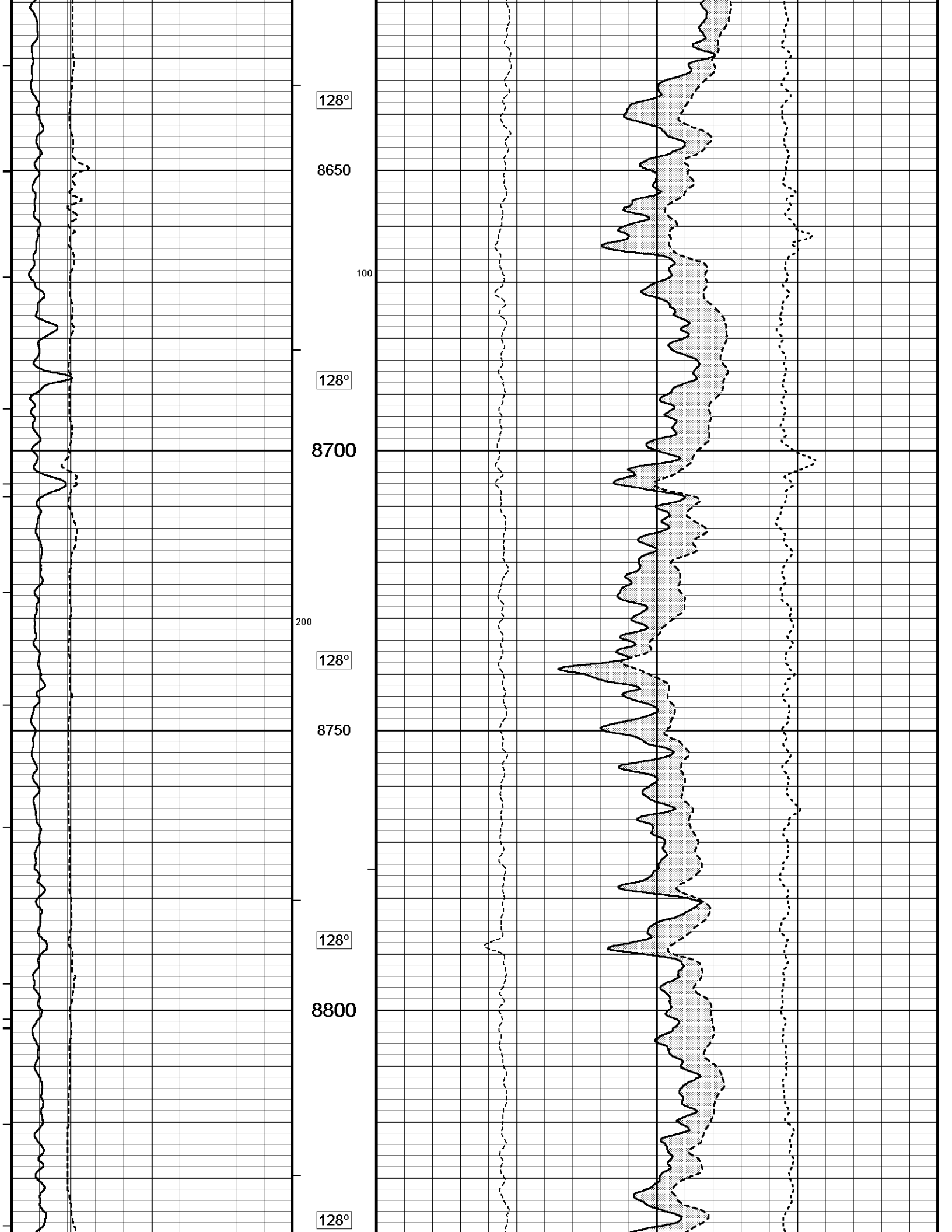


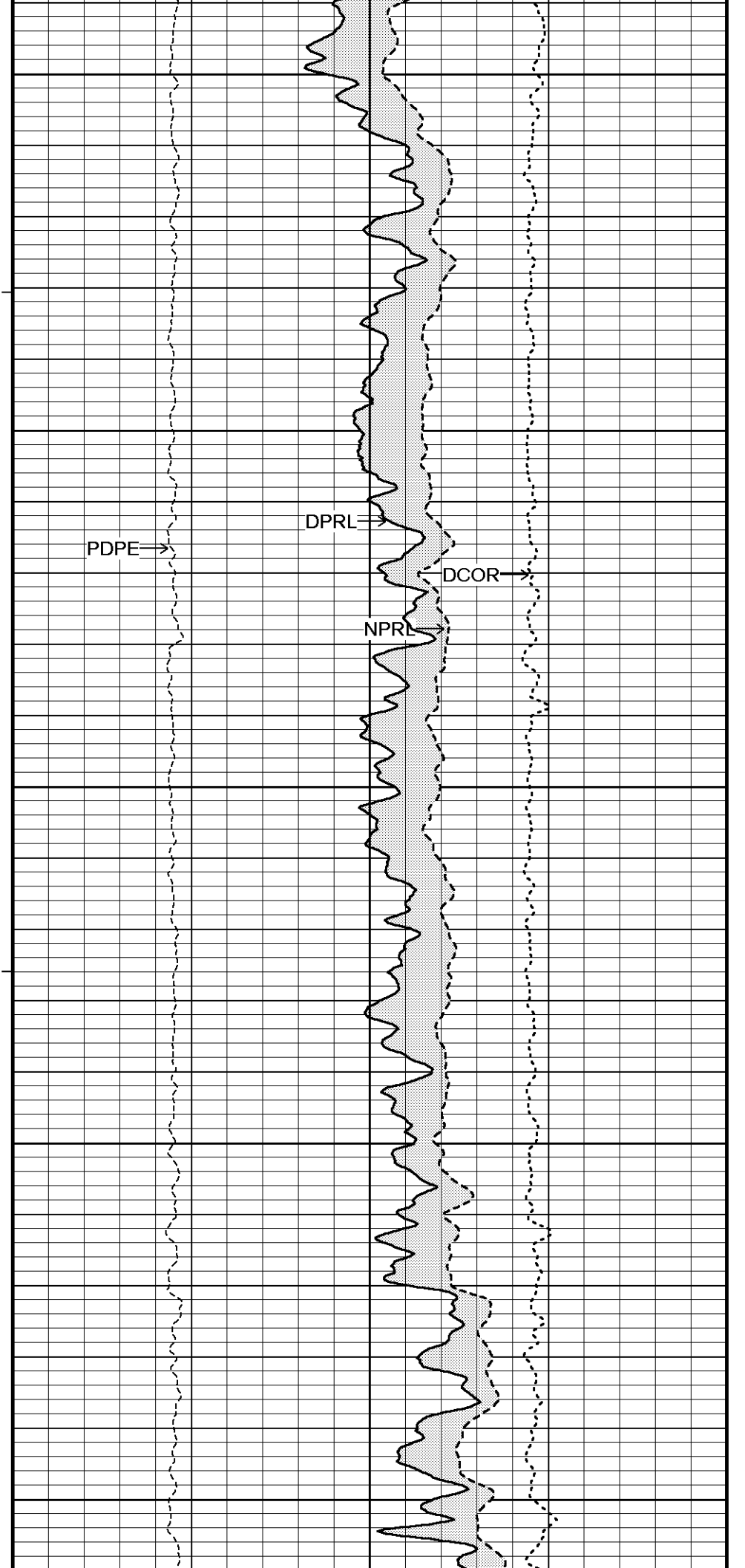
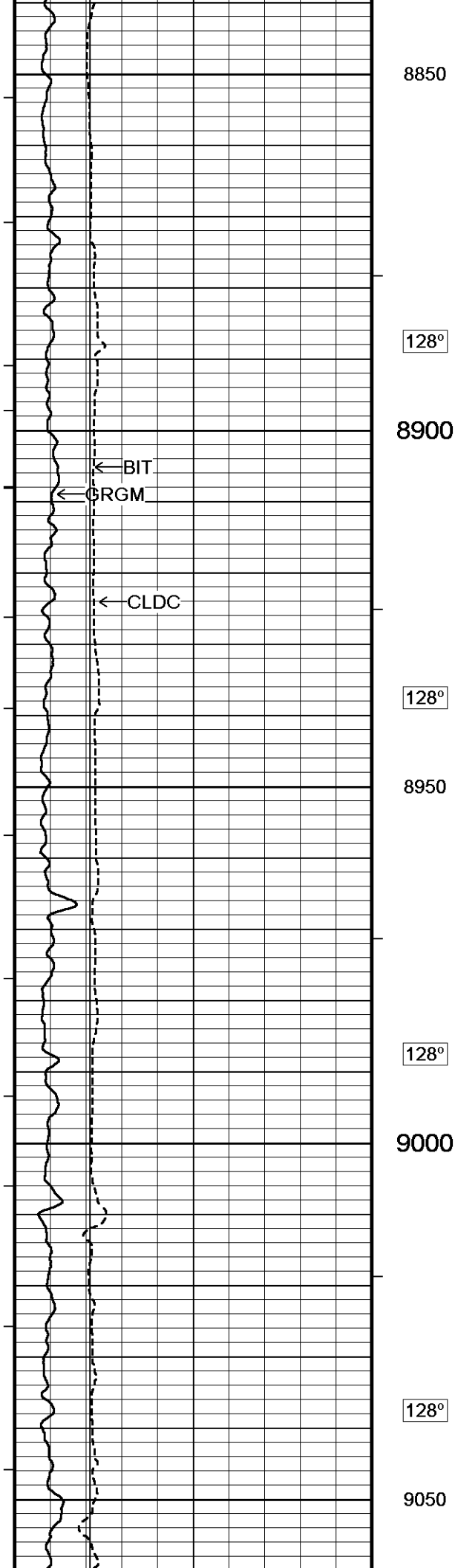


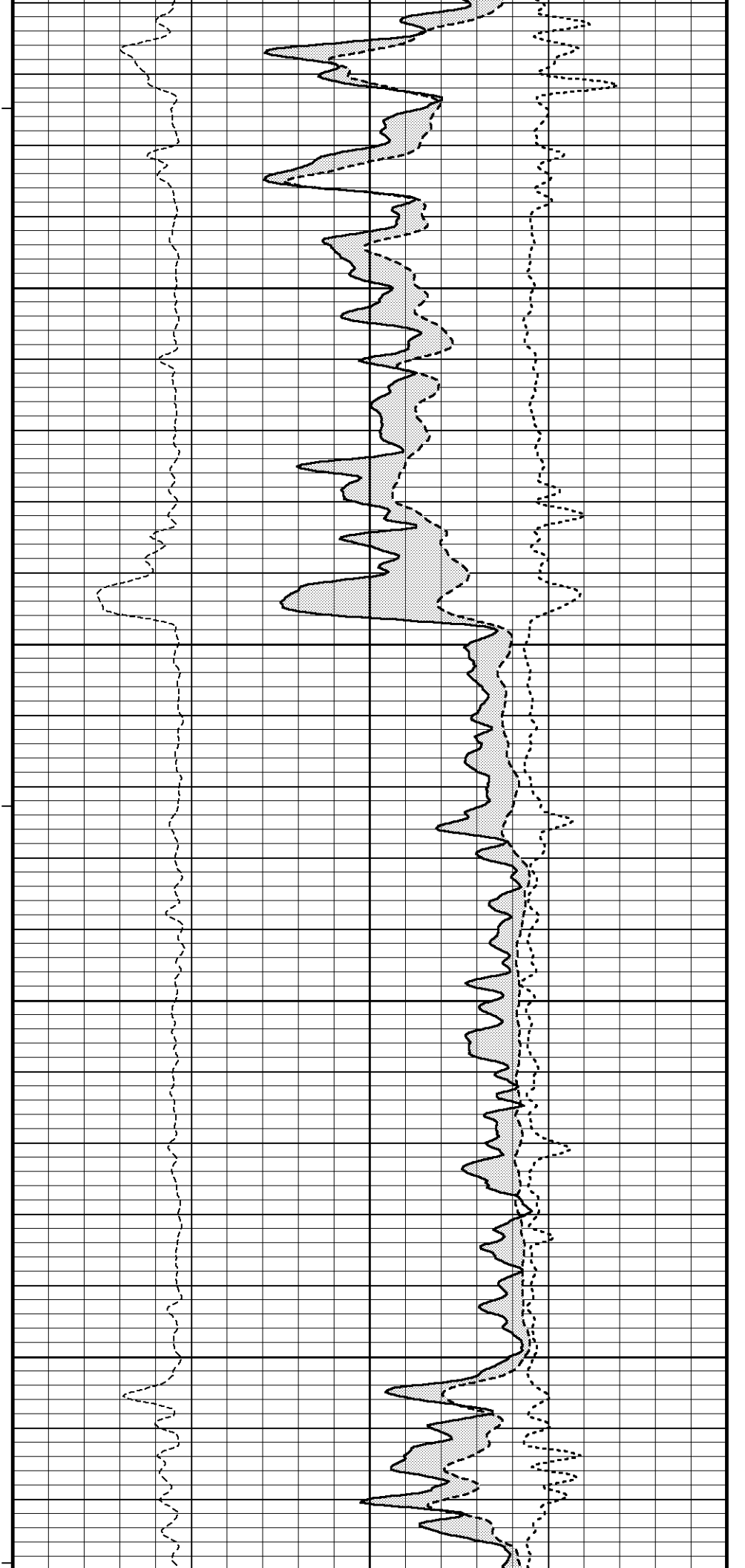
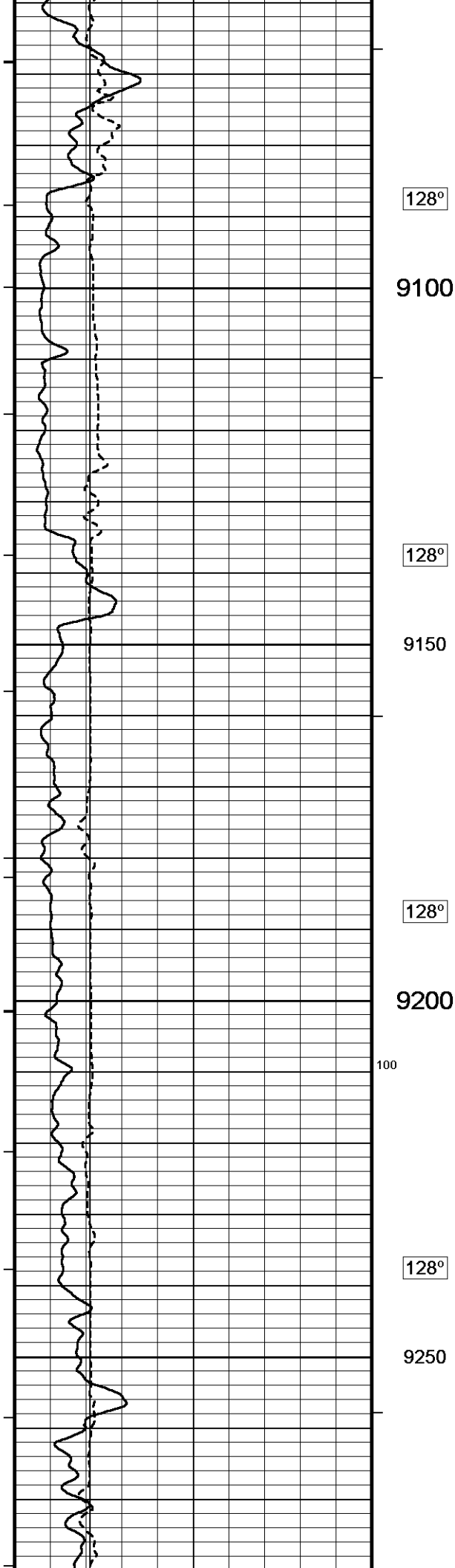


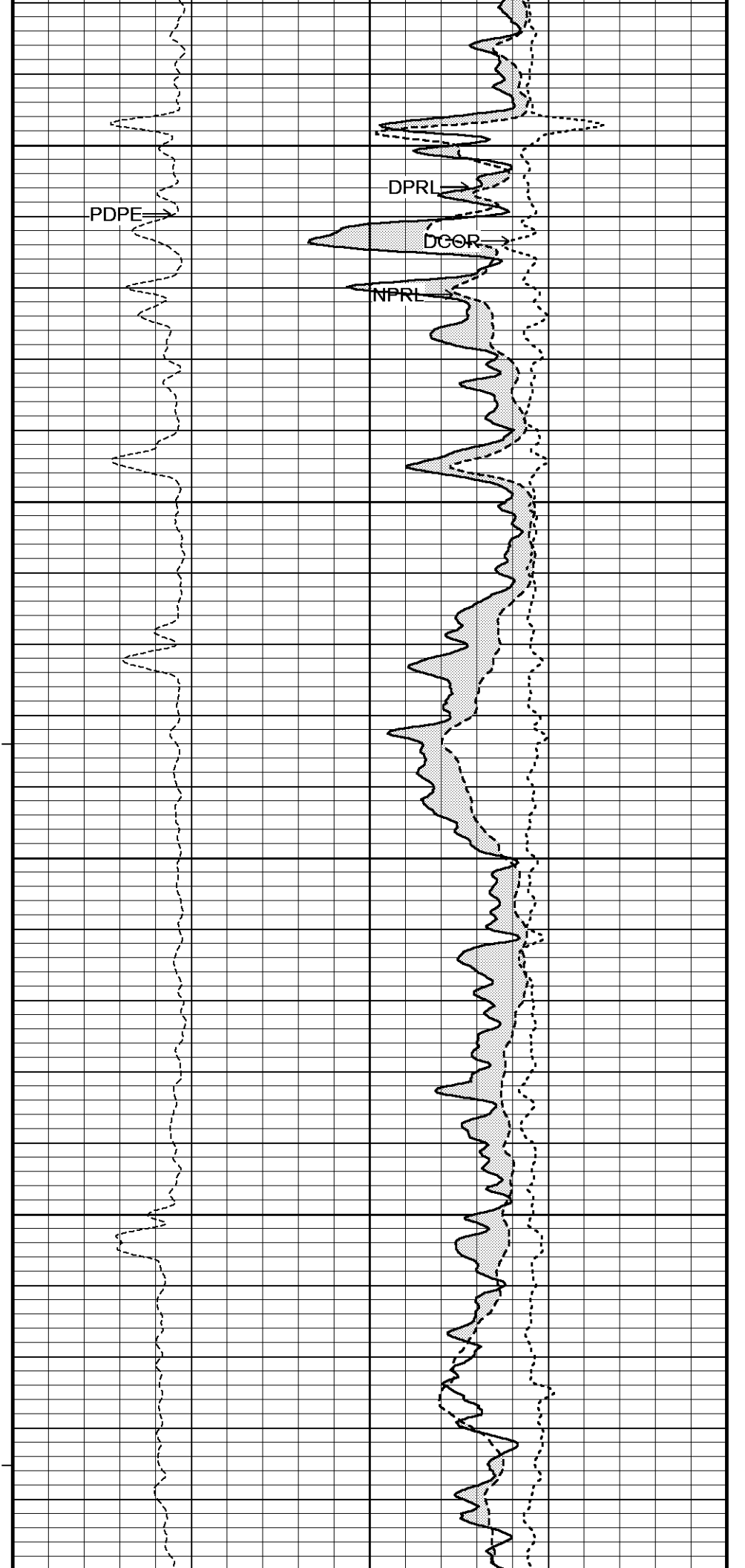
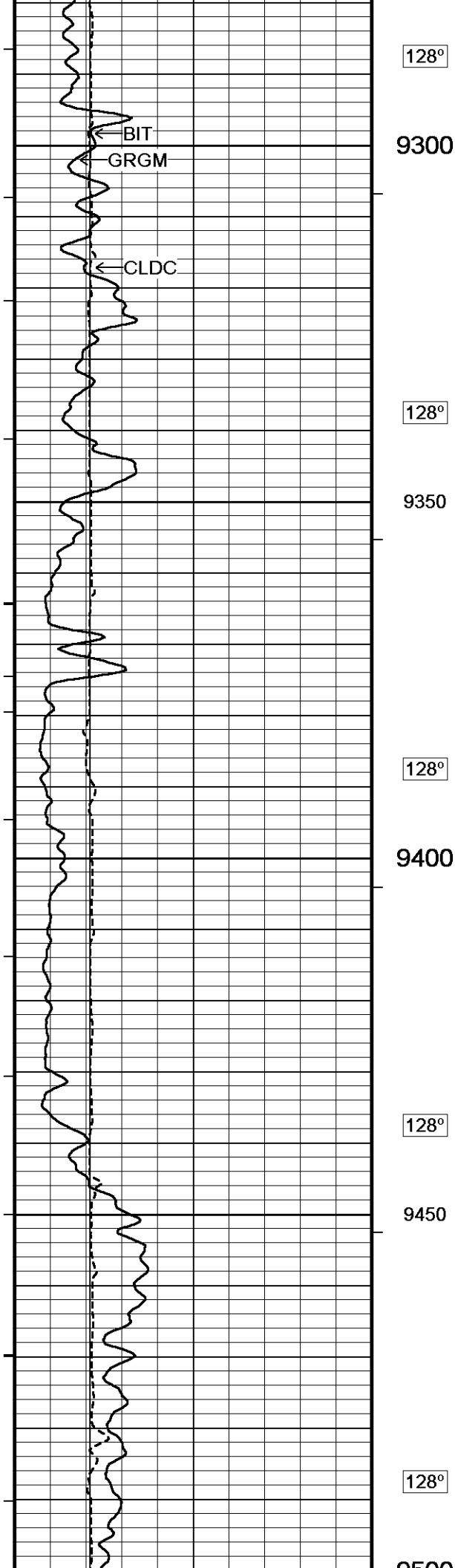


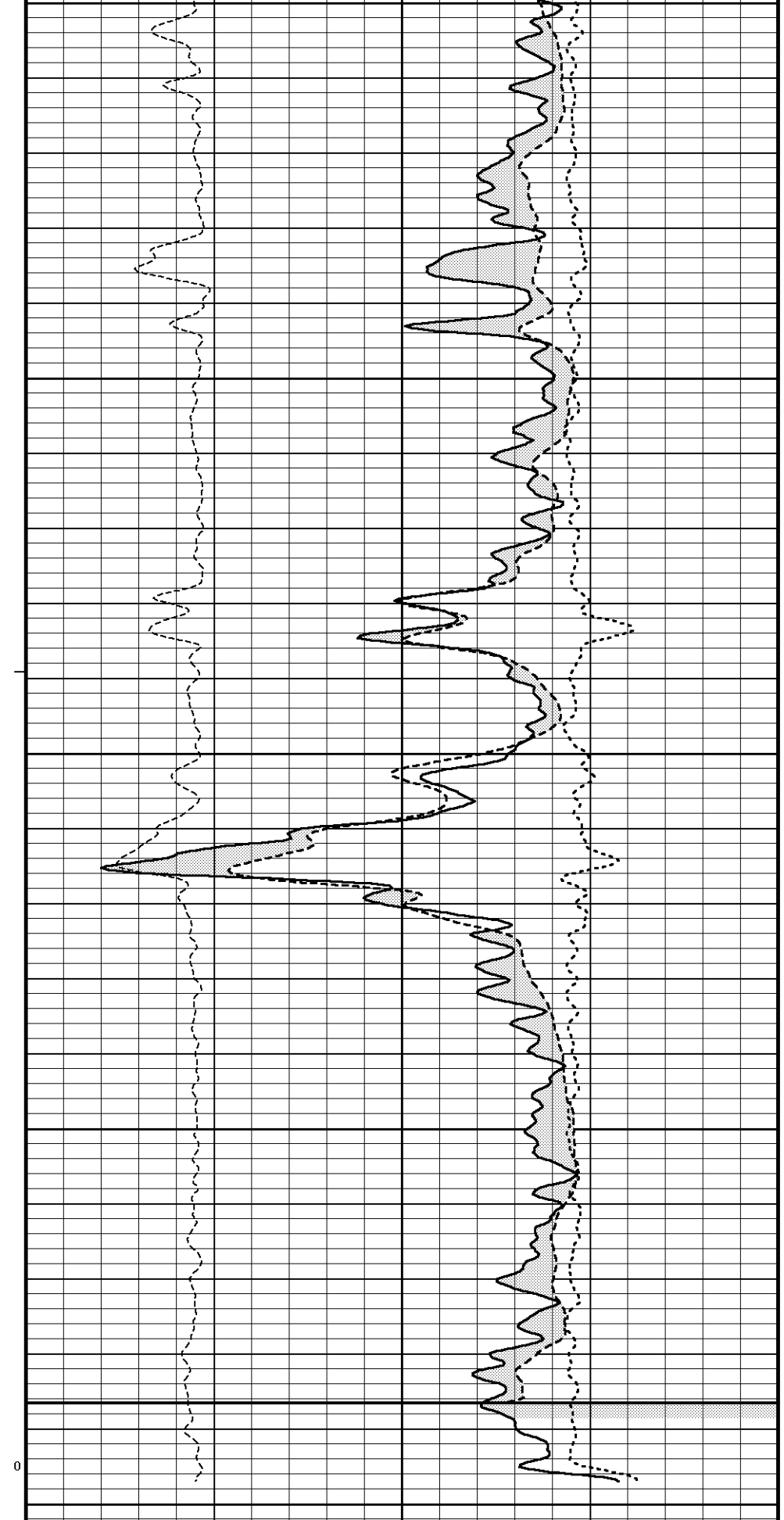
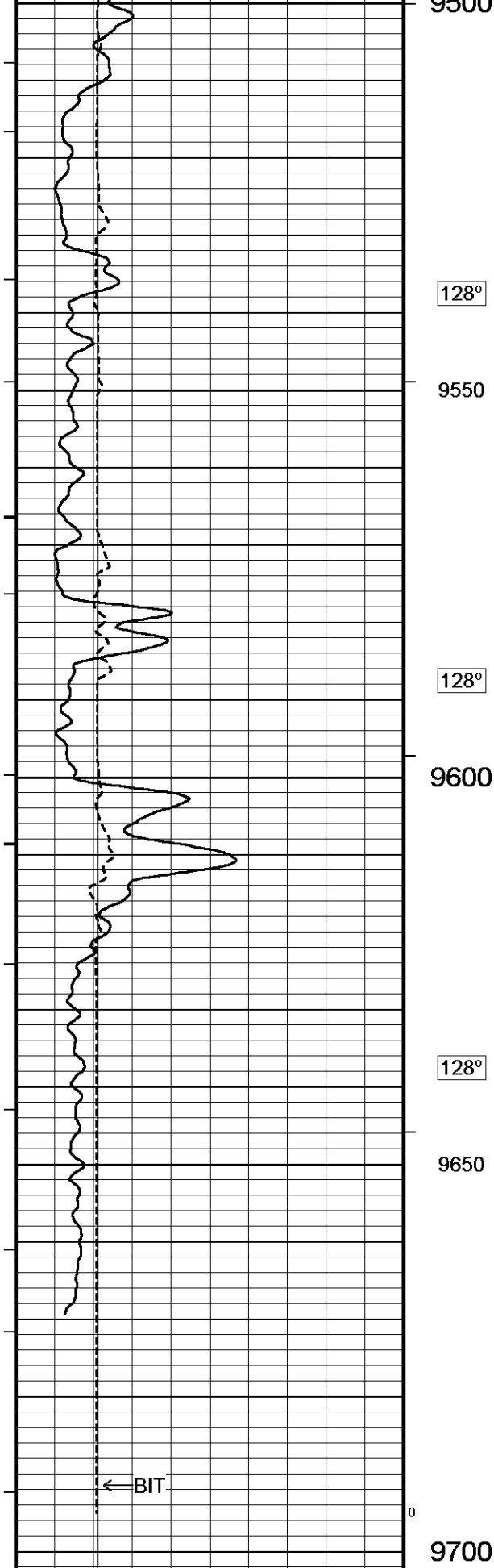


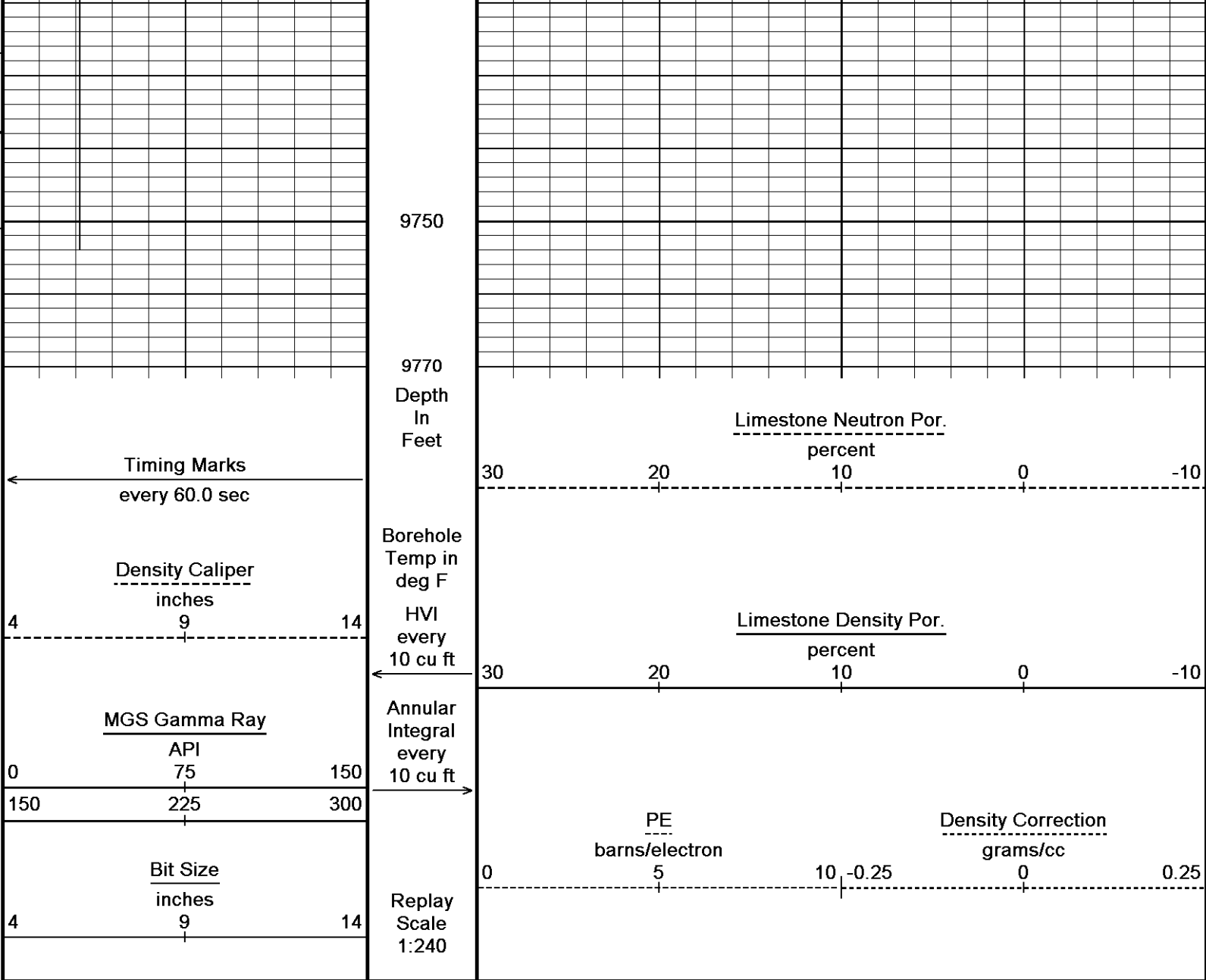












Depth Based Data - Maximum Sampling Increment 10.0cm

Plotted on 23-DEC-2012 12:53

Filename: C:\DATA_13_04_8492\SANDRIDGE STAGECOACH 1-14H\Stagecoach rtap depth2.dta

Recorded on 23-DEC-2012 03:56

System Versions: Processed with 13.04.8492 Plotted with 13.04.8492

↑

5 INCH MAIN LOG

↑

↓

5 INCH BULK DENSITY

↓

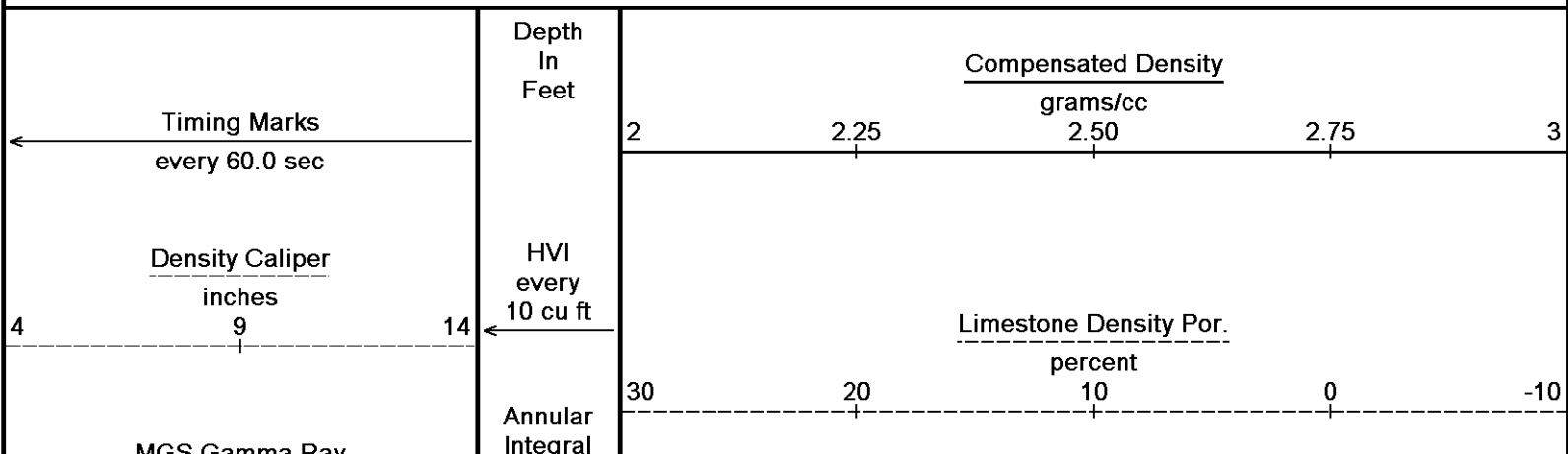
Depth Based Data - Maximum Sampling Increment 10.0cm

Plotted on 23-DEC-2012 12:53

Filename: C:\DATA_13_04_8492\SANDRIDGE STAGECOACH 1-14H\Stagecoach rtap depth2.dta

Recorded on 23-DEC-2012 03:56

System Versions: Processed with 13.04.8492 Plotted with 13.04.8492



MCS Gamma Ray

API

75

150

225

300

Bit Size

inches

9

14

every
10 cu ft

Replay
Scale
1:240

5800

5850

800

5900

5950

PE

barns/electron

5

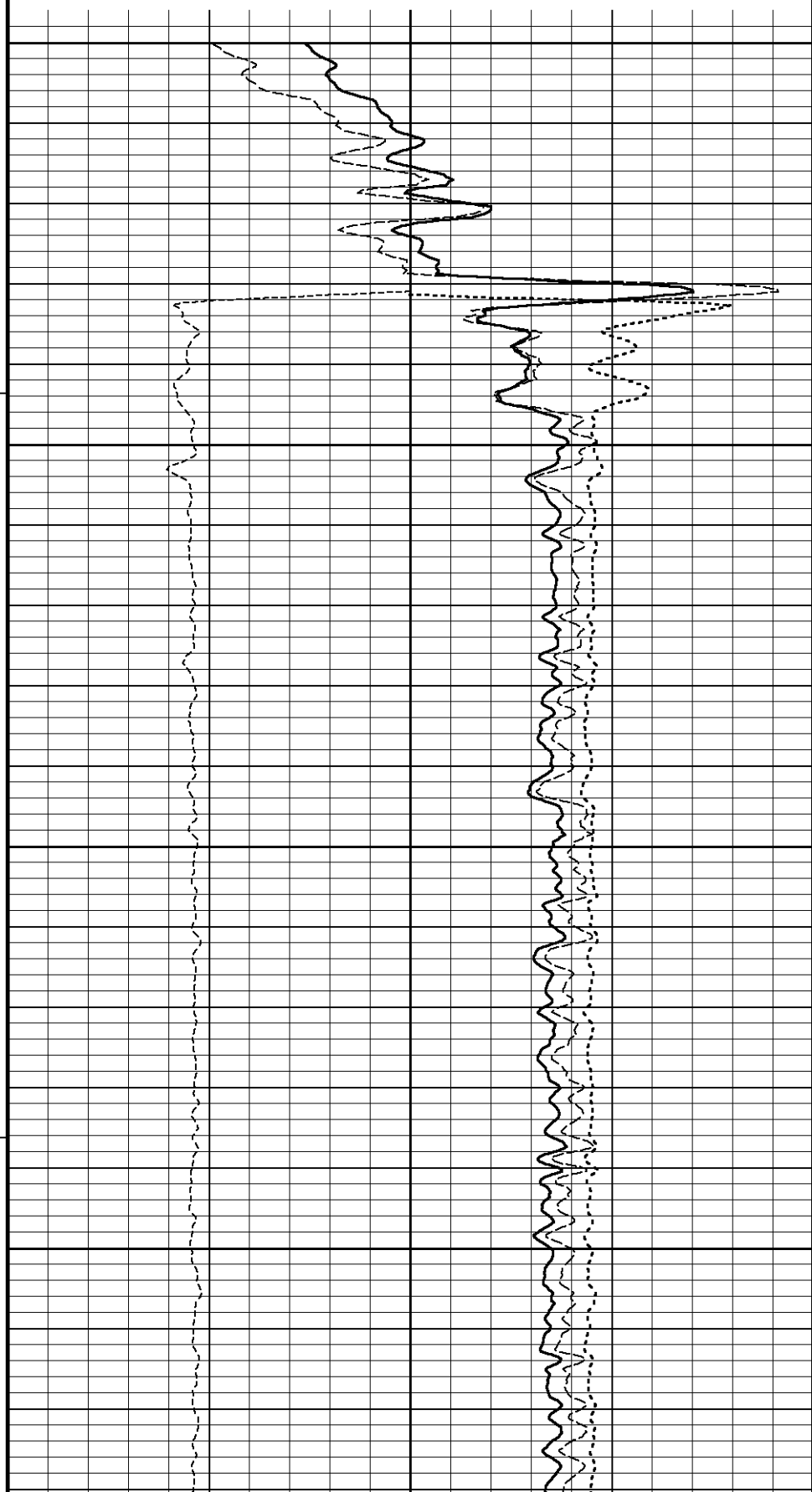
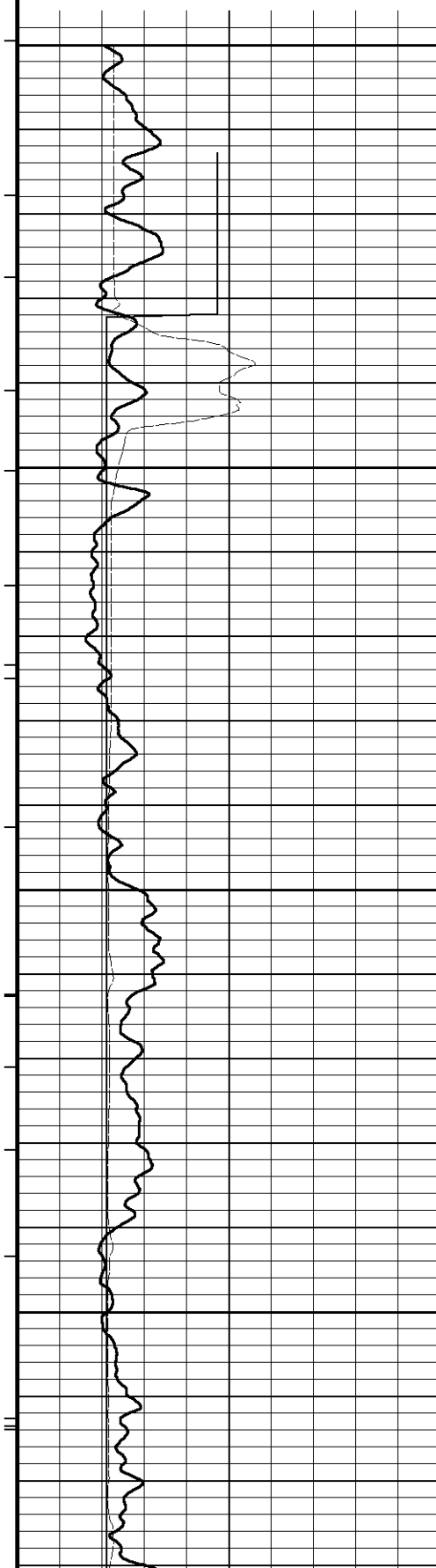
10 -0.25

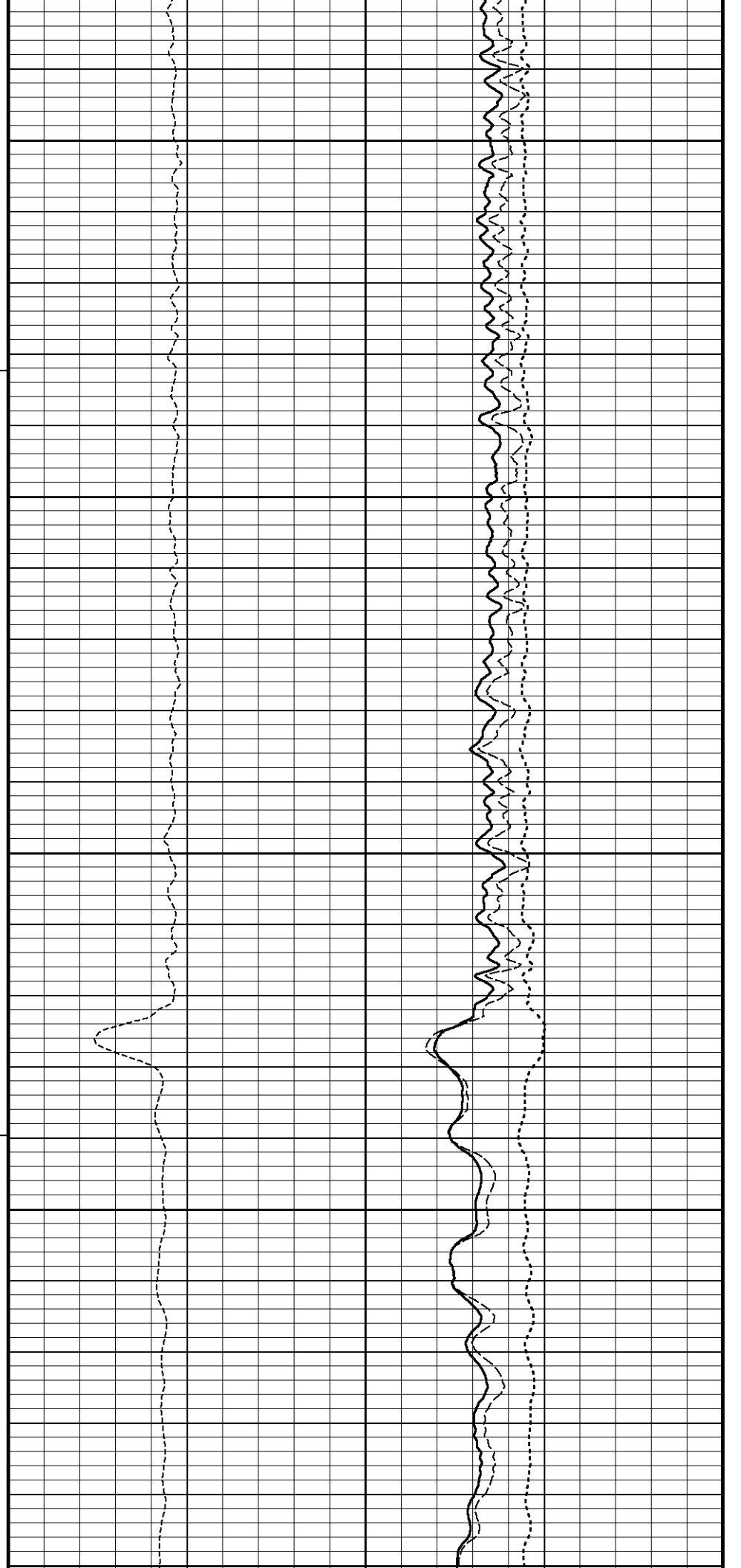
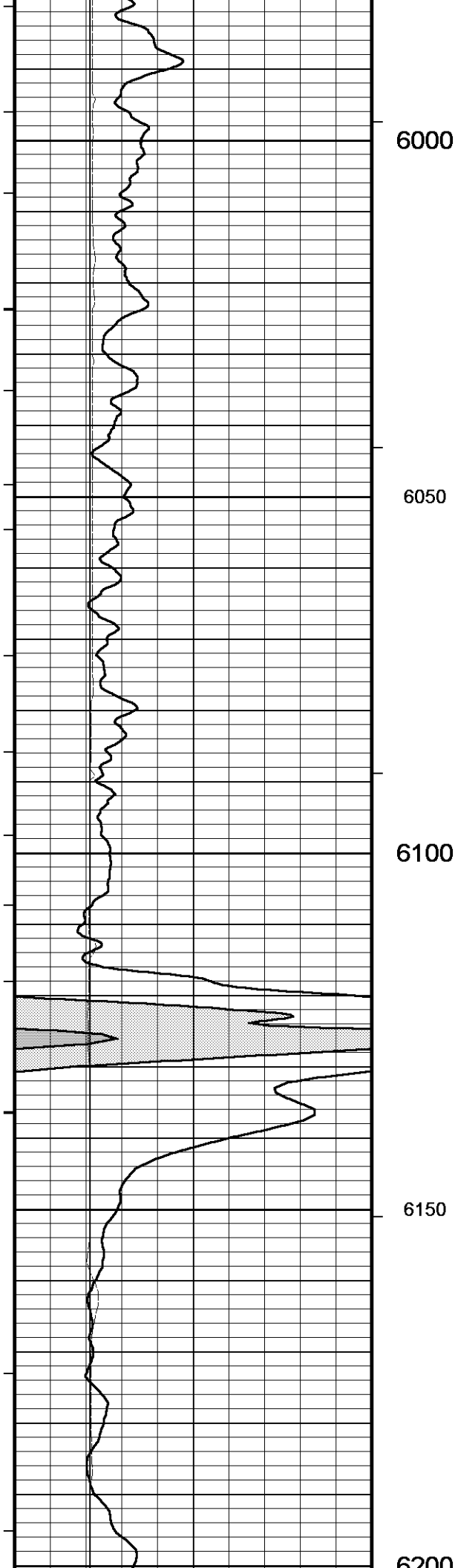
Density Correction

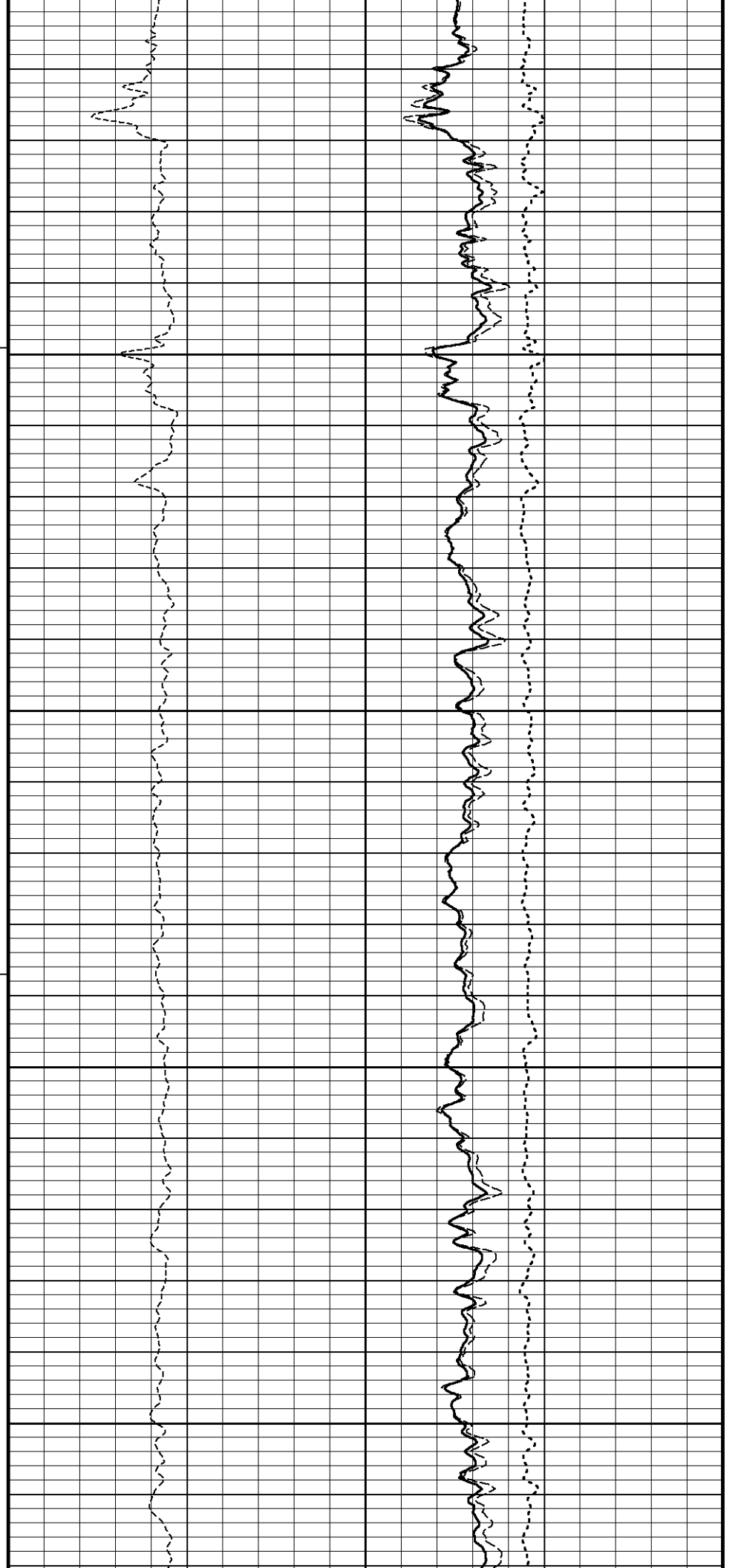
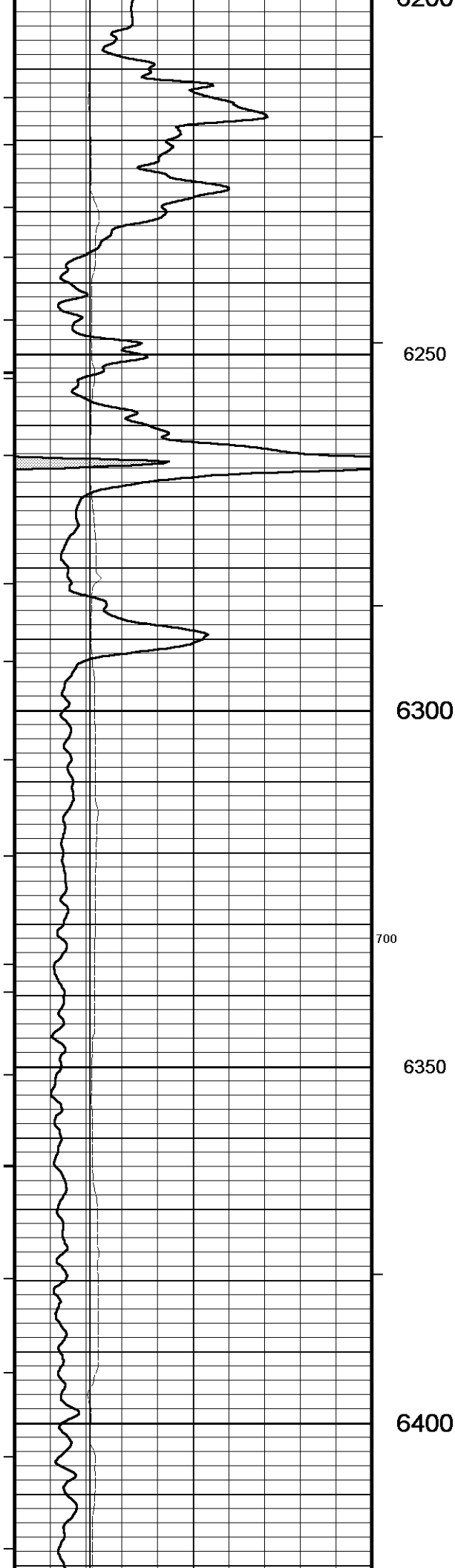
grams/cc

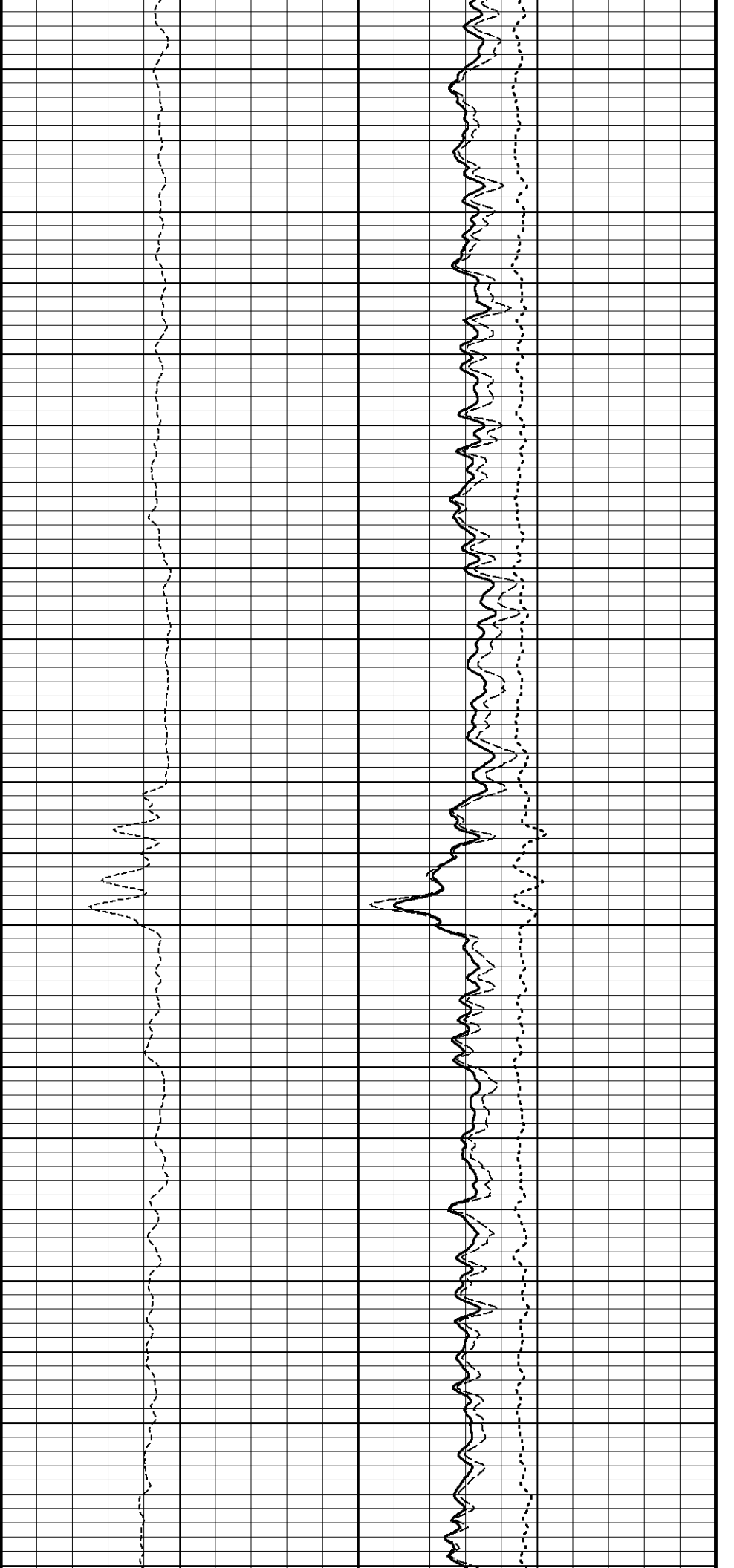
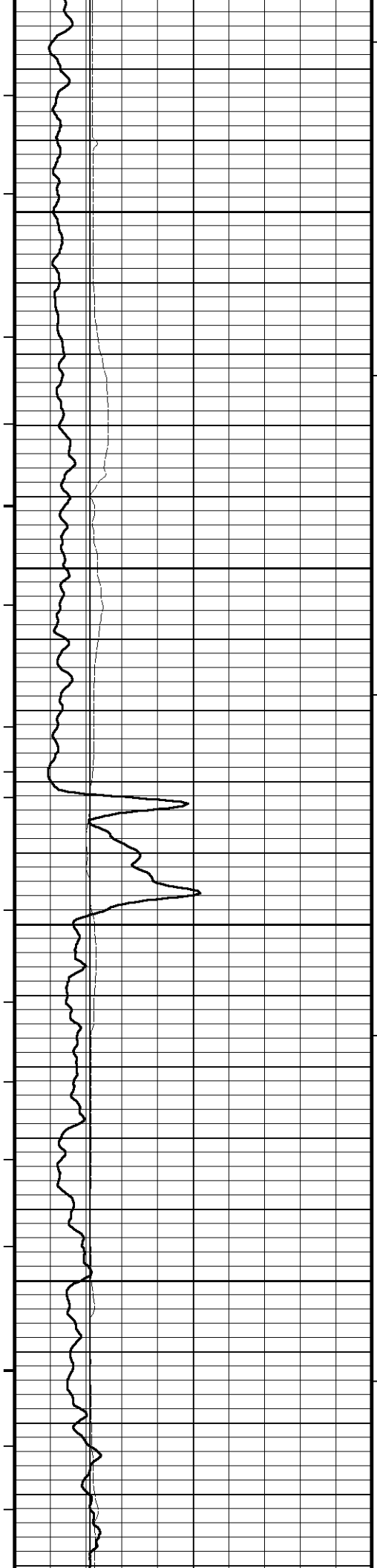
0

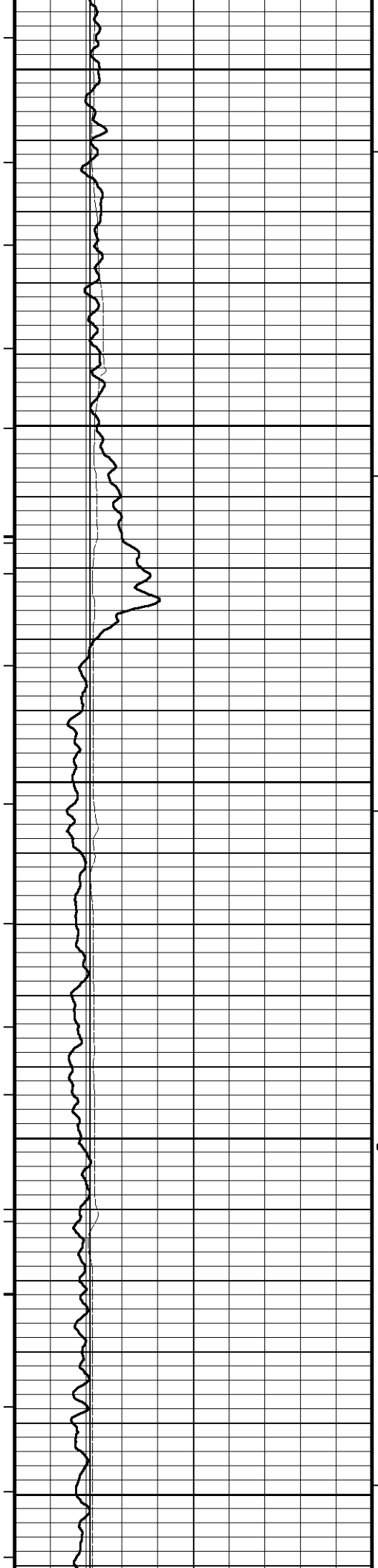
0.25











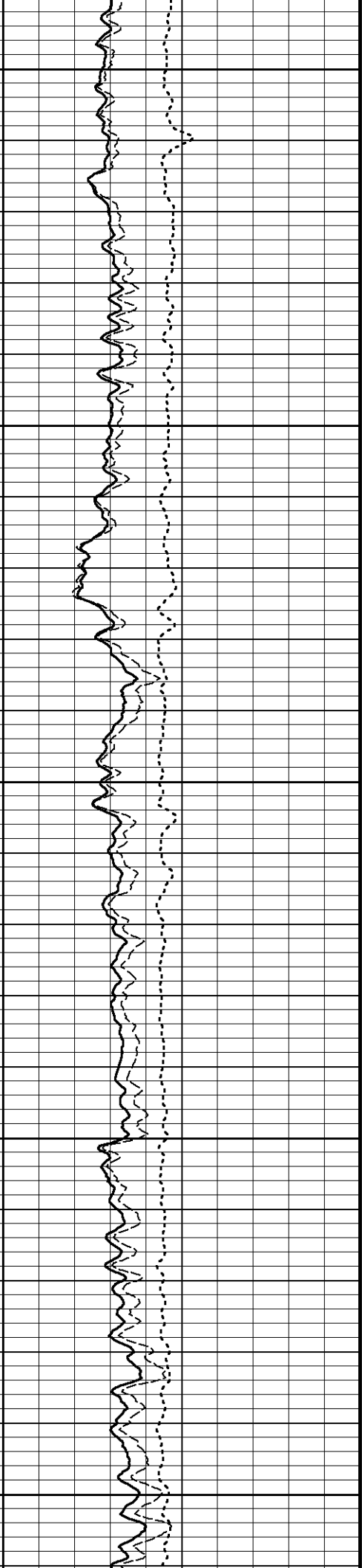
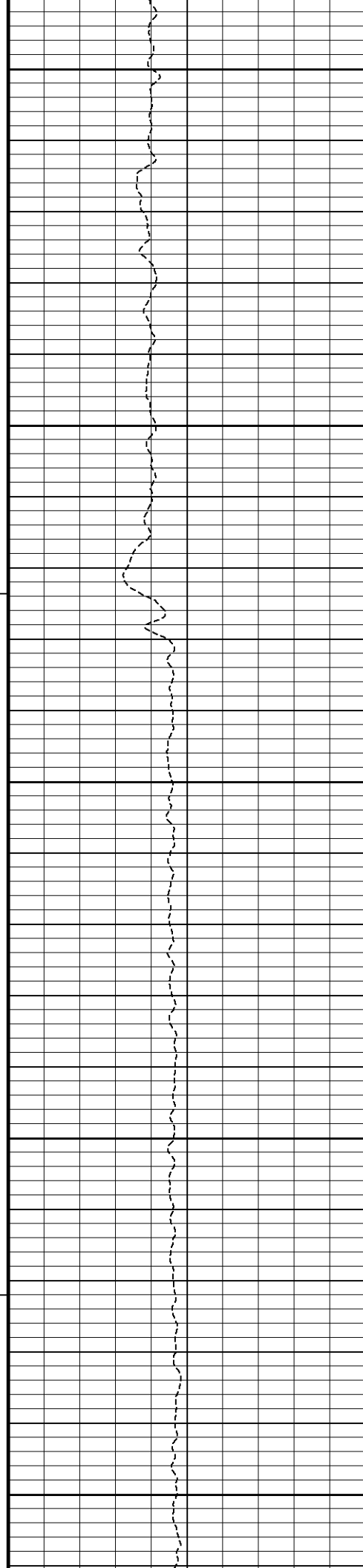
6650

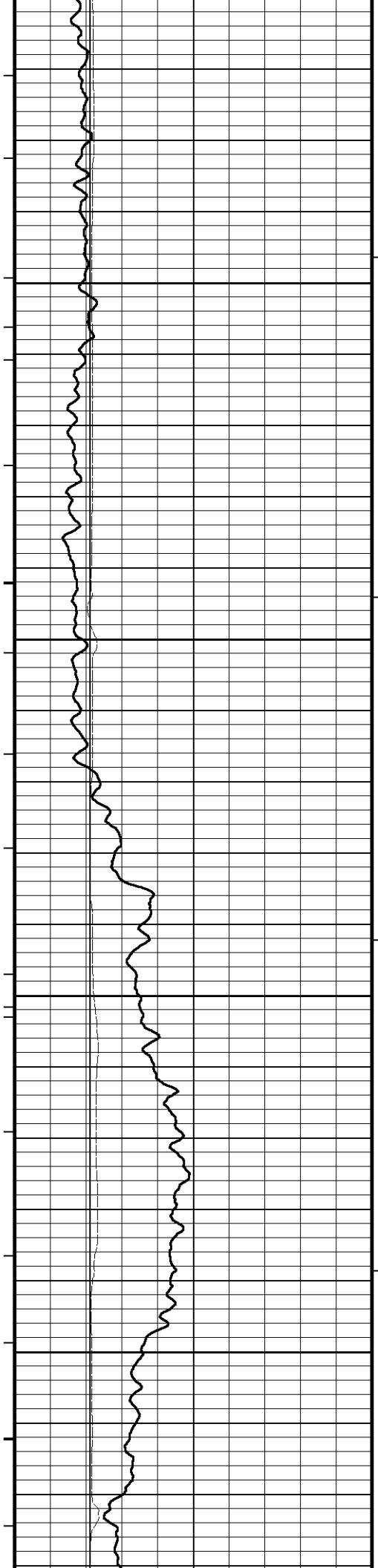
6700

6750

6800

6850



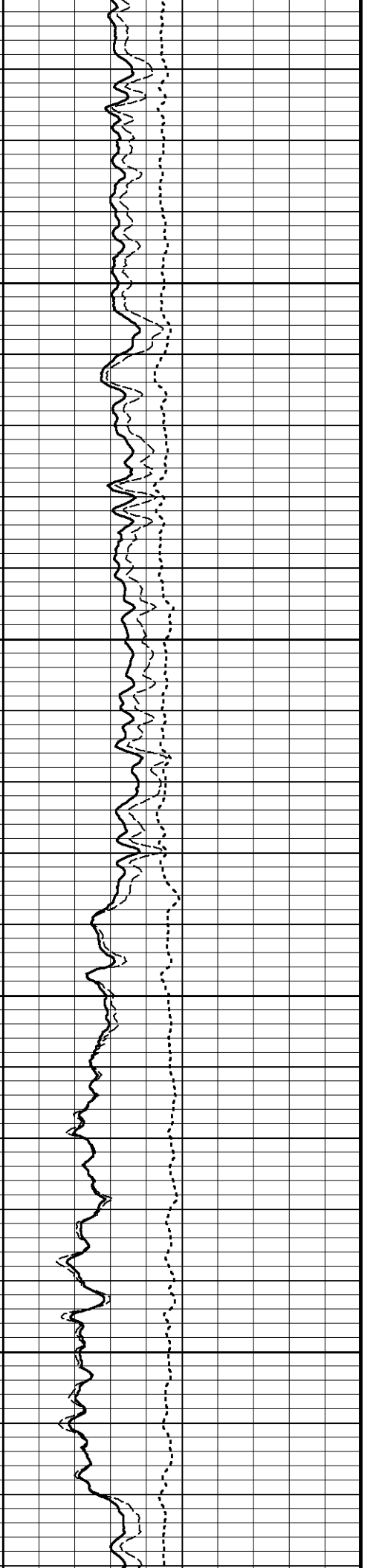
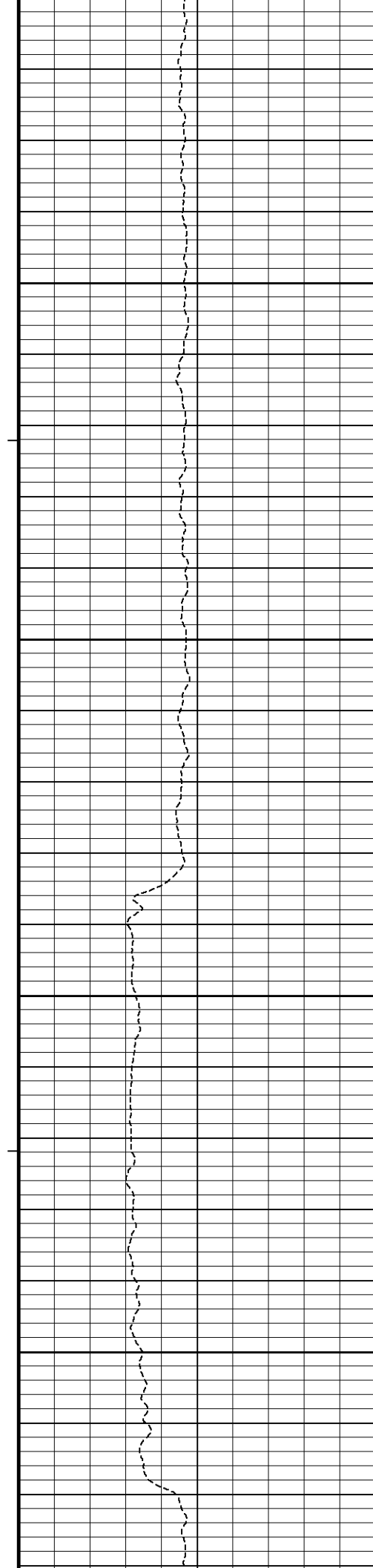


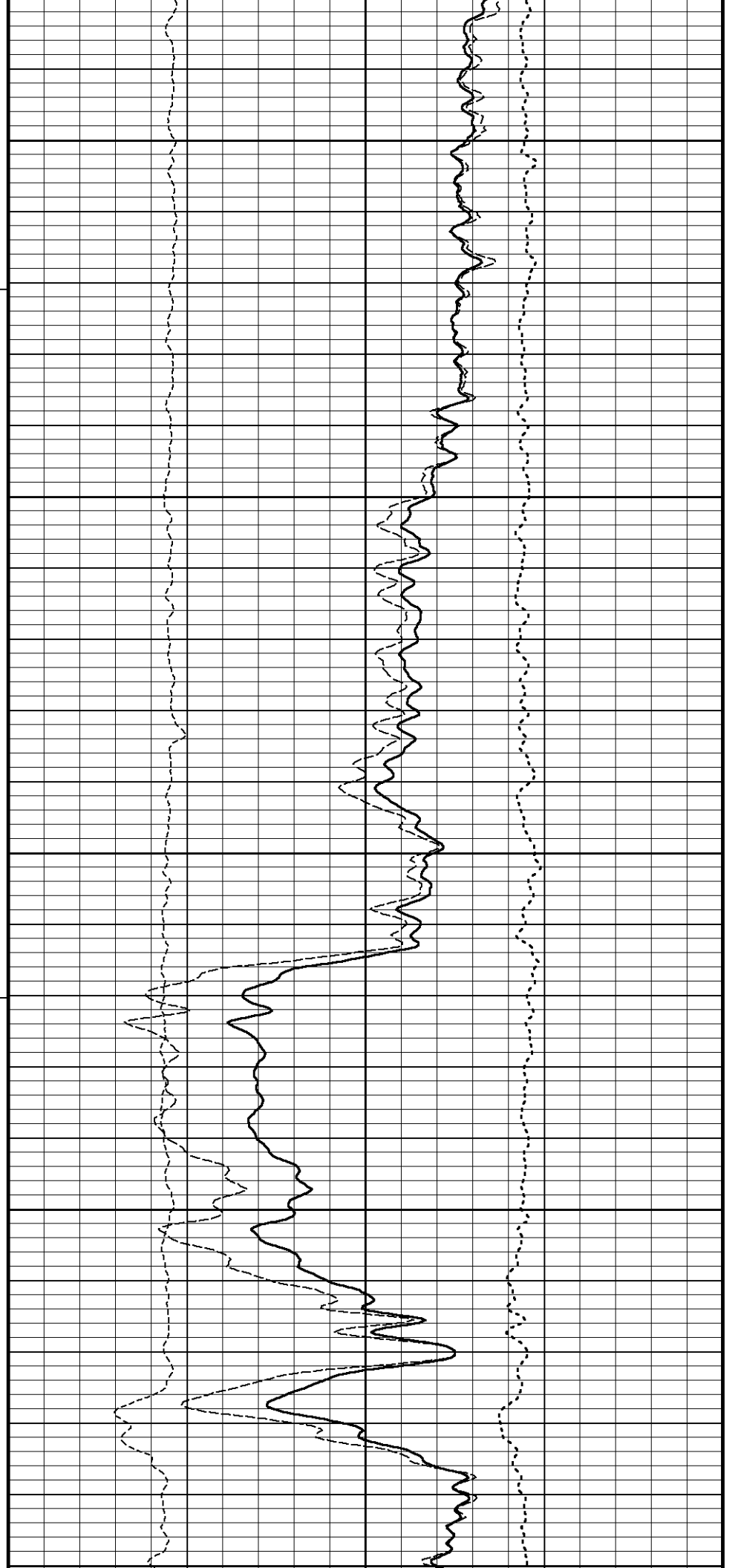
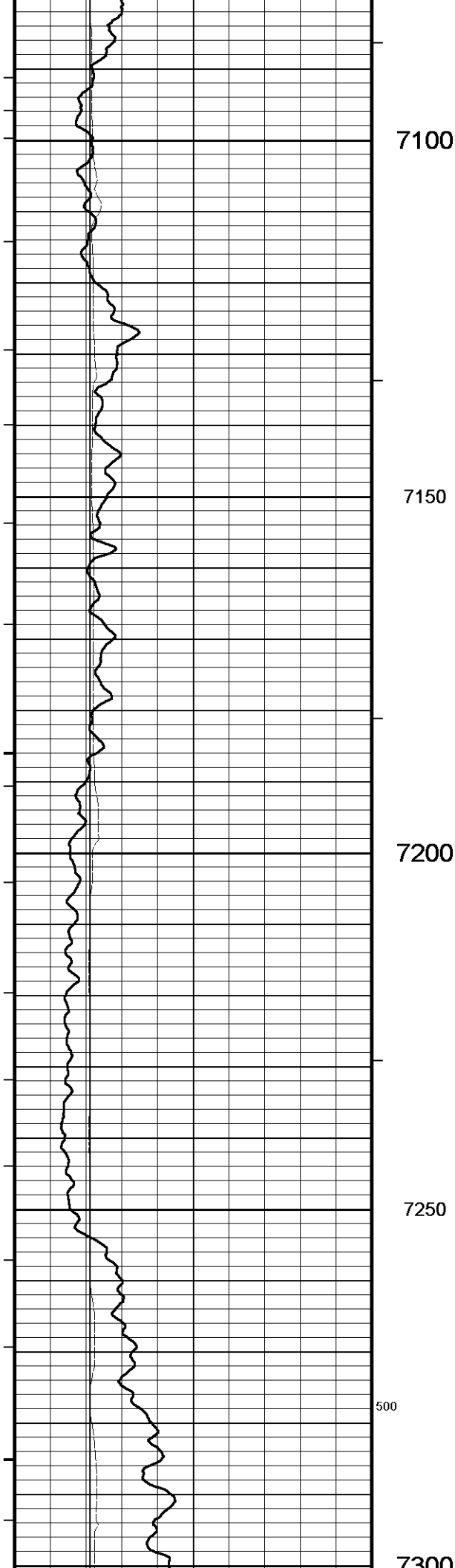
6900

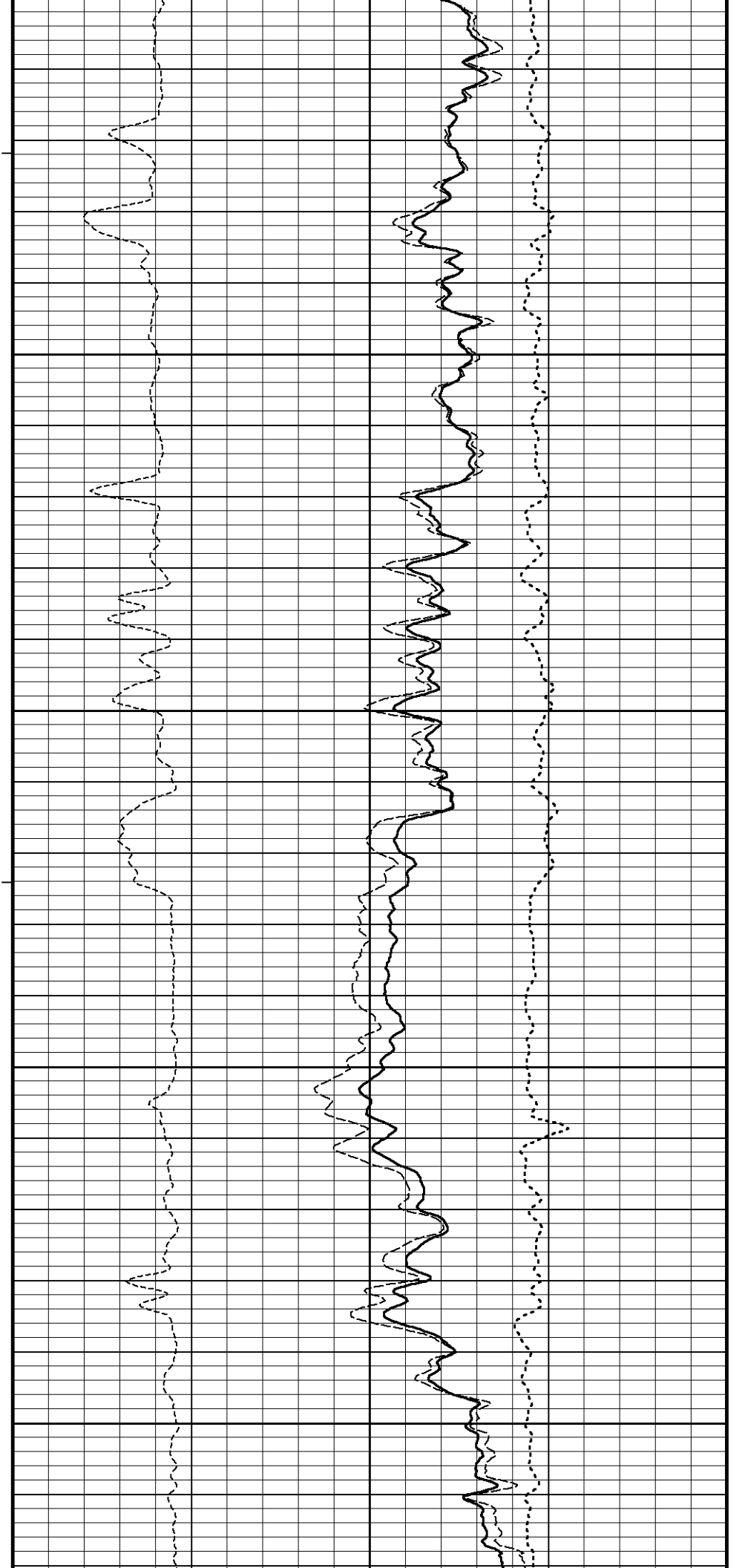
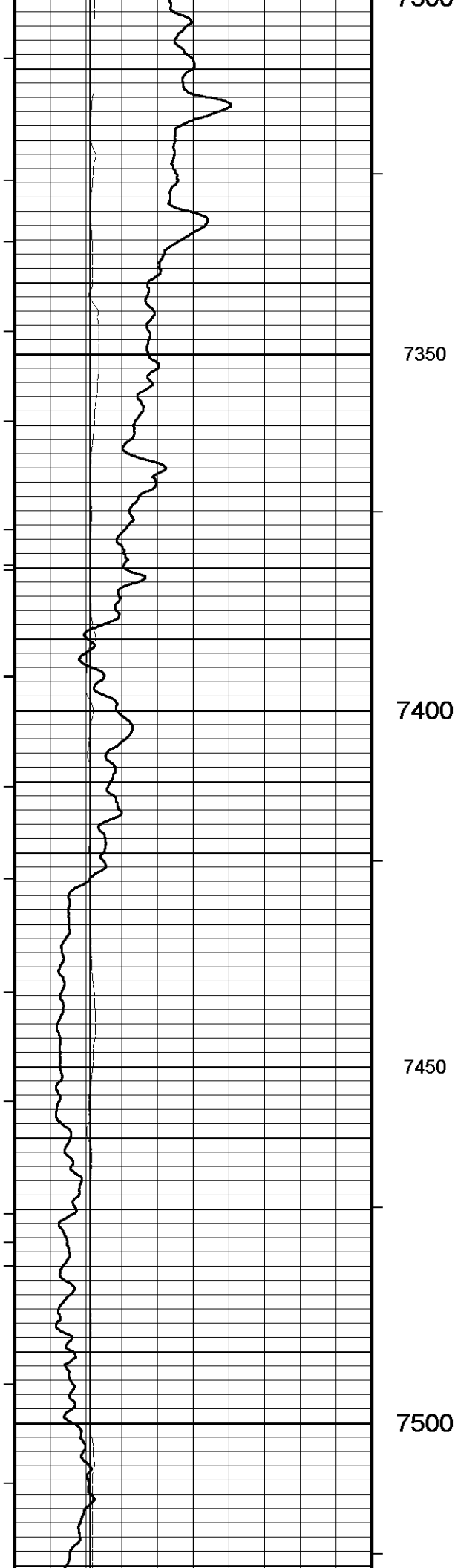
6950

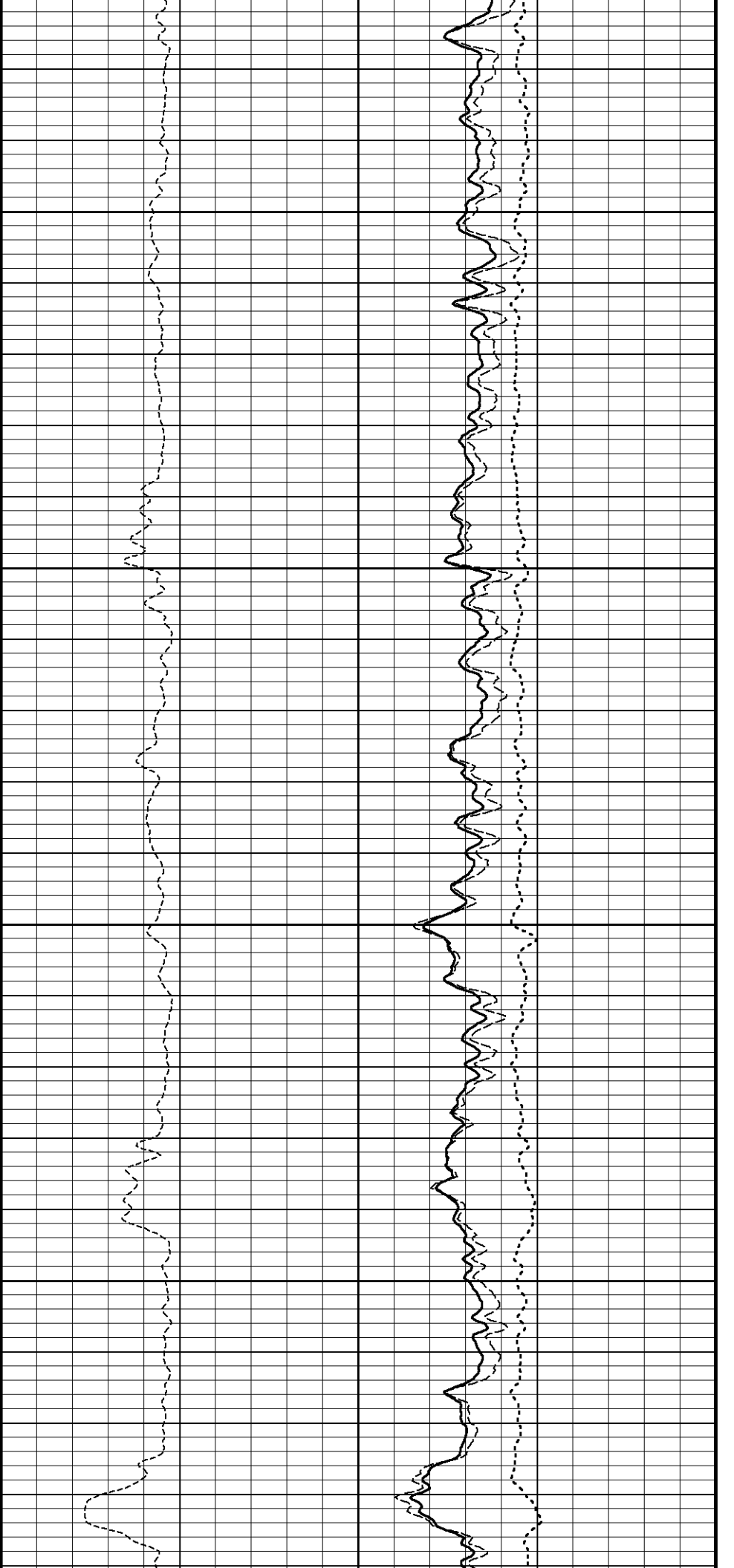
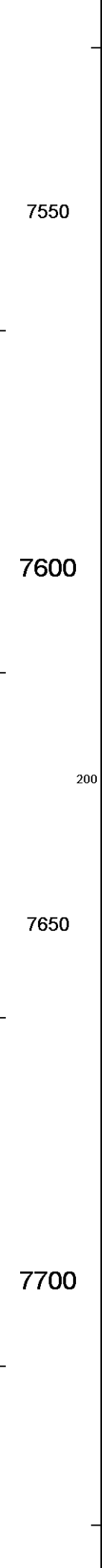
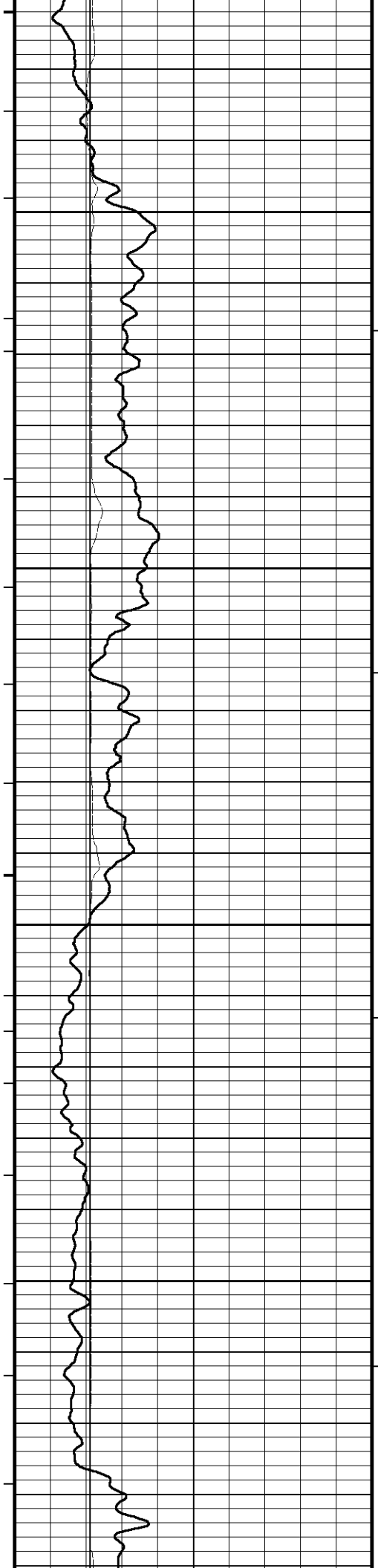
7000

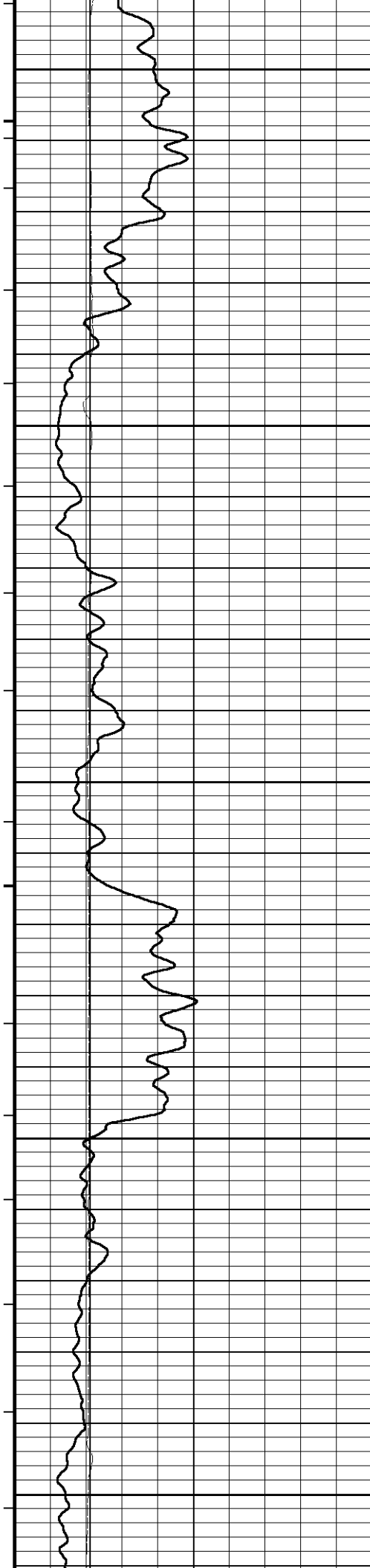
7050



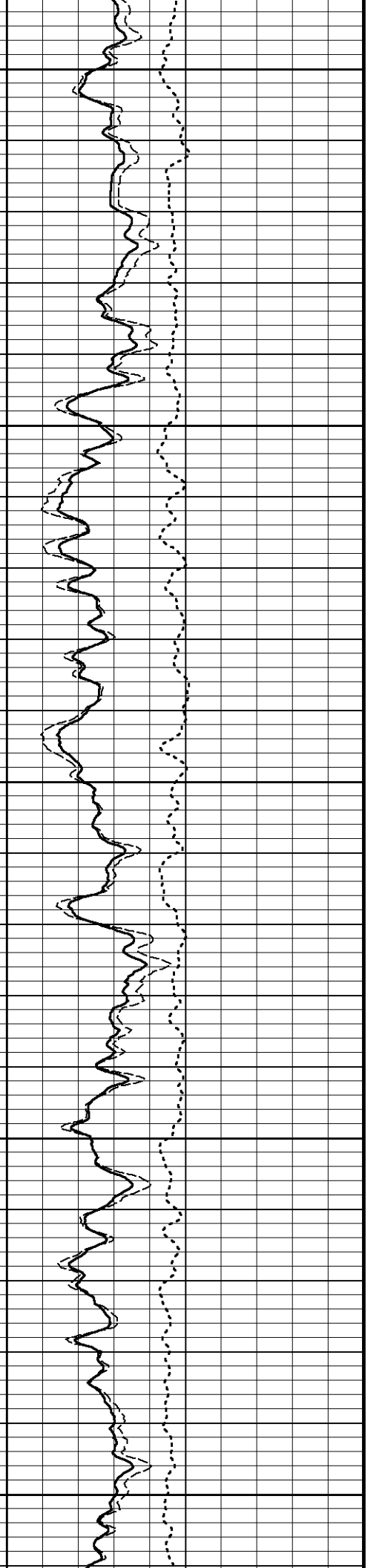
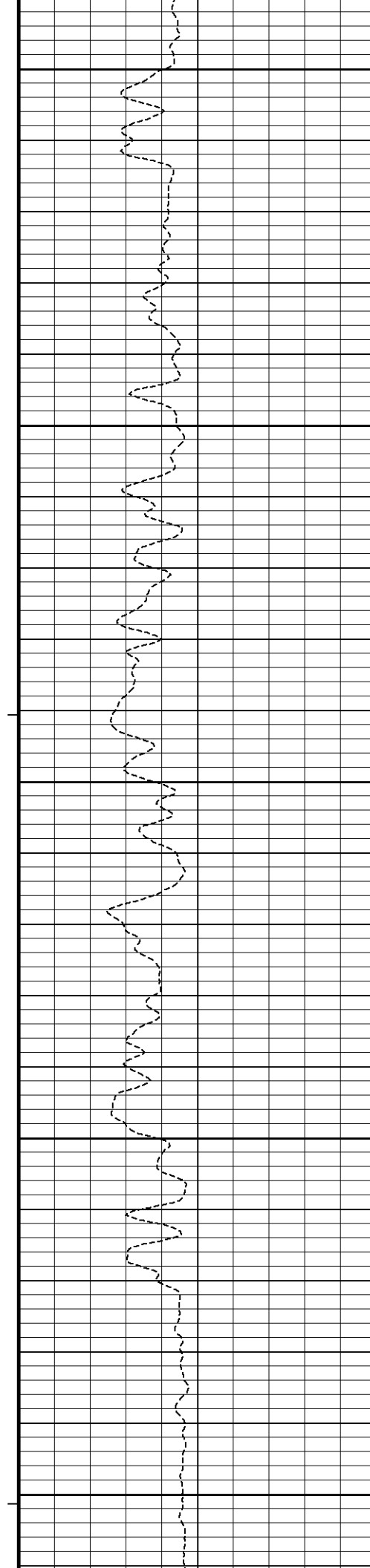


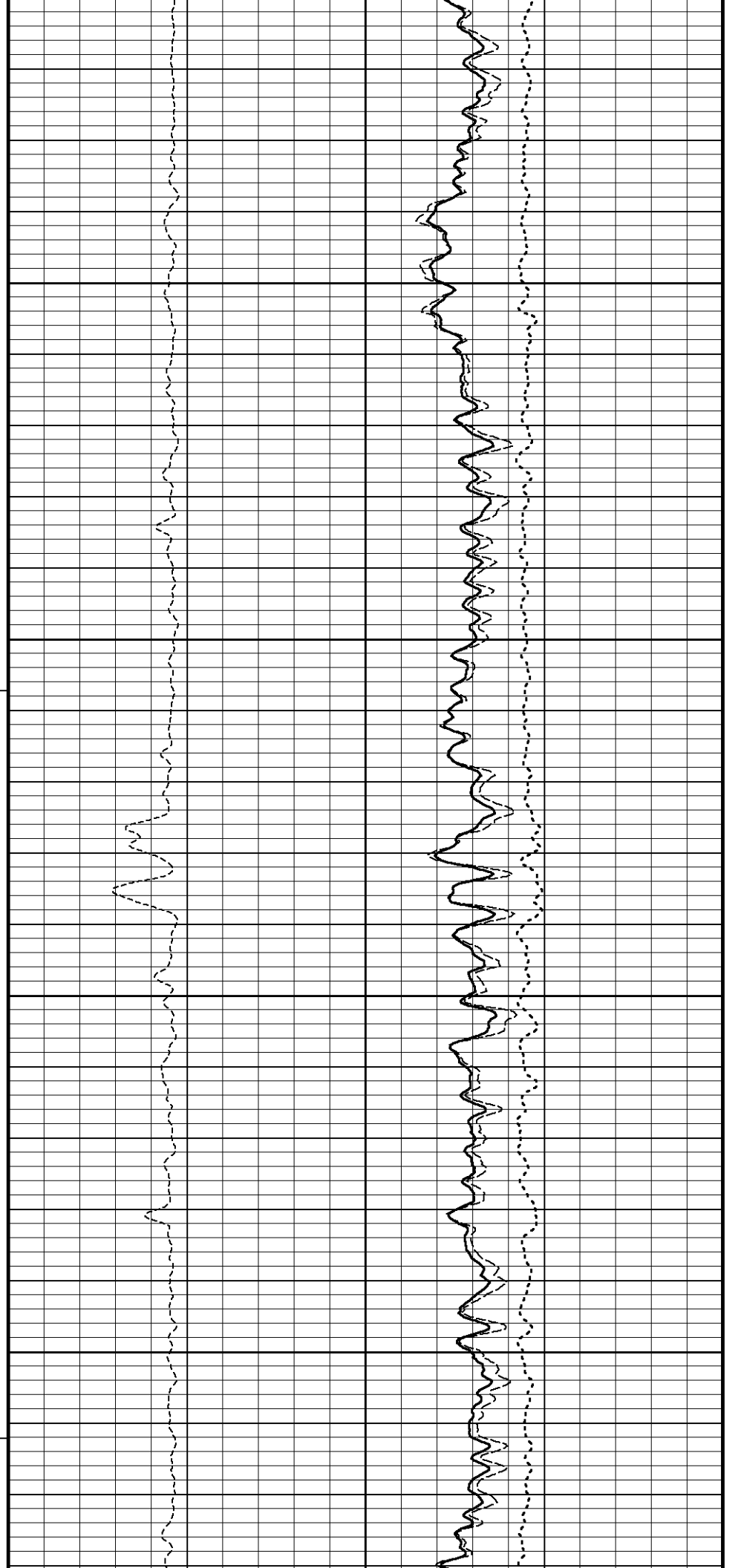
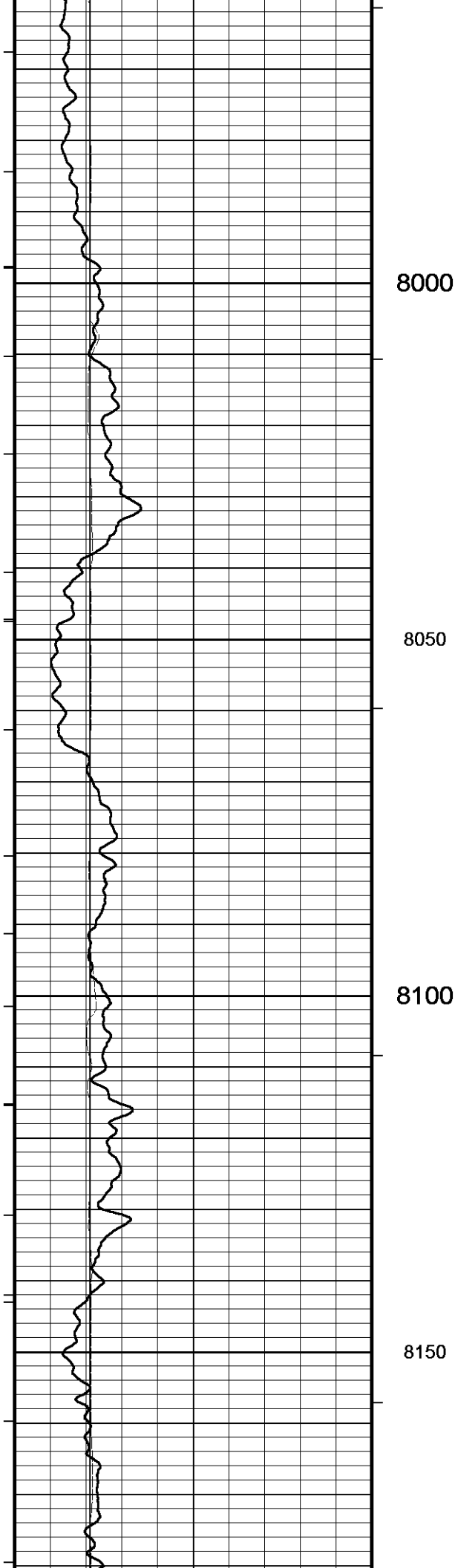


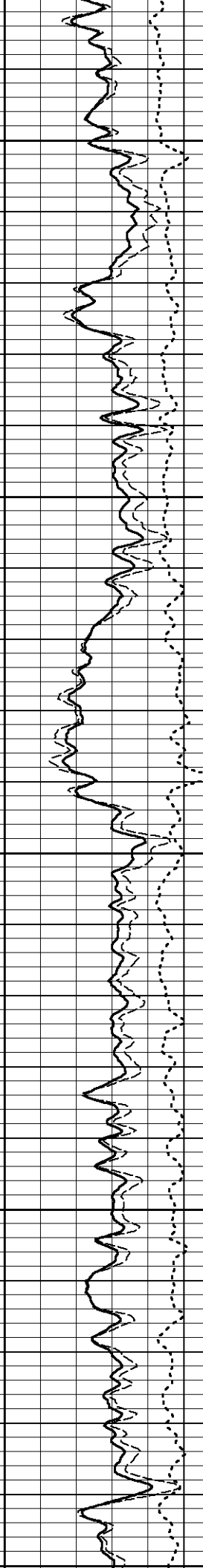
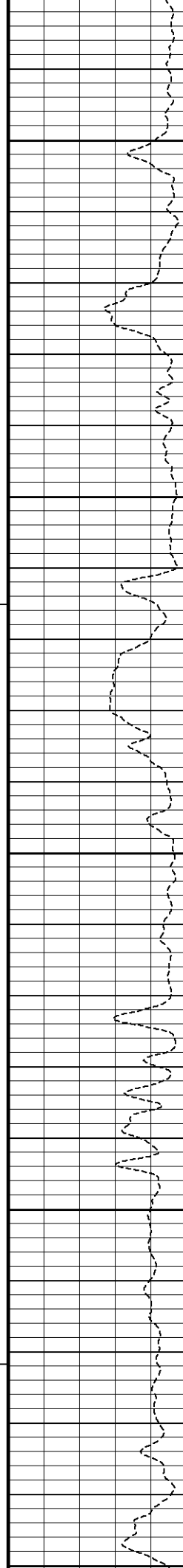
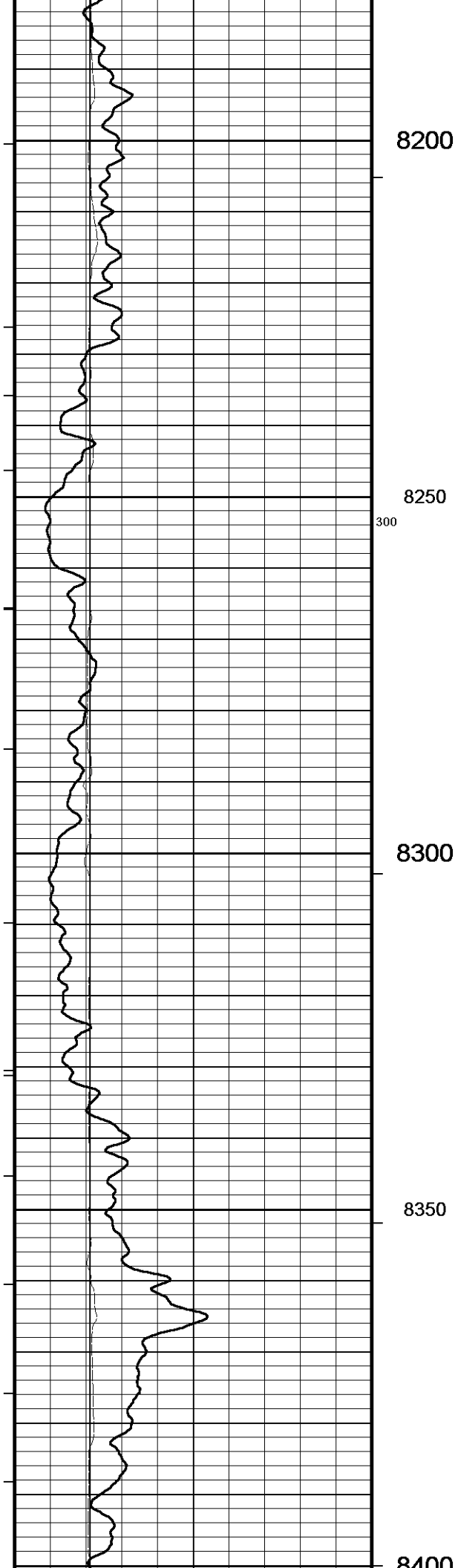


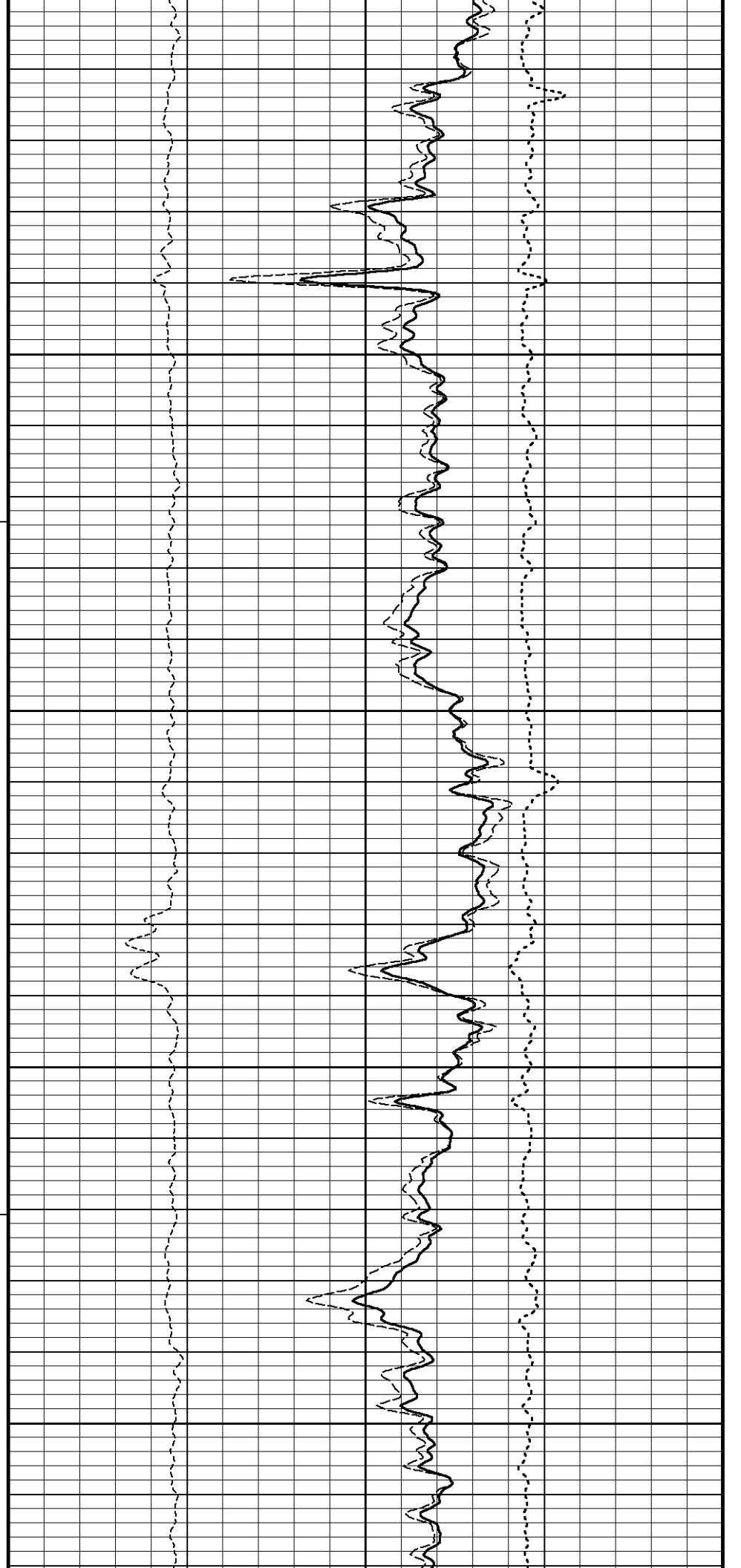
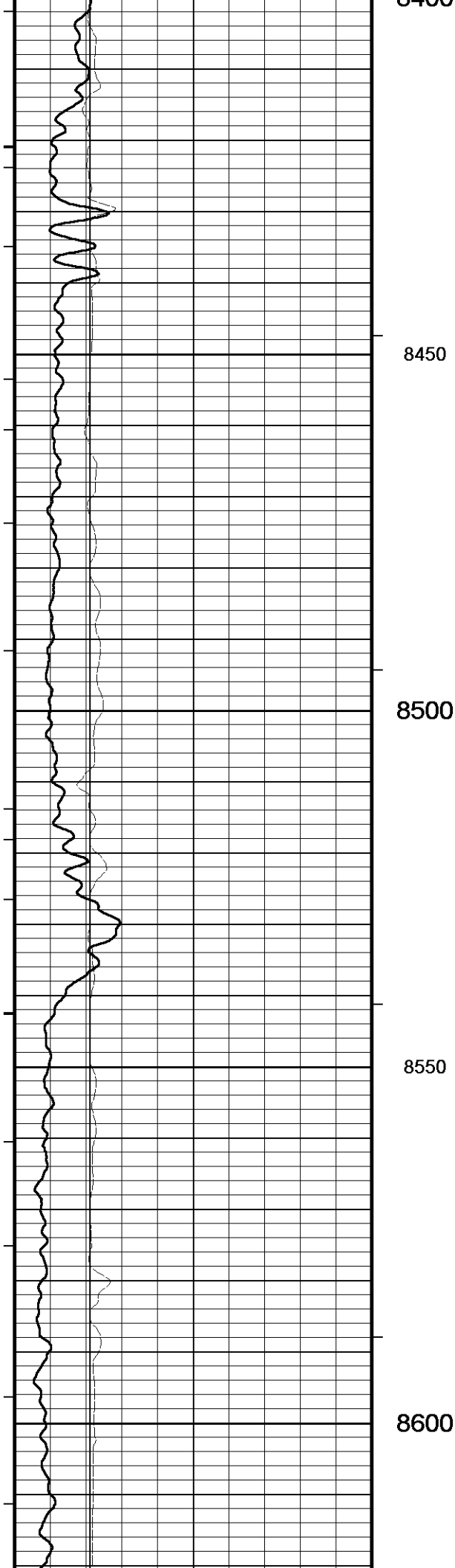


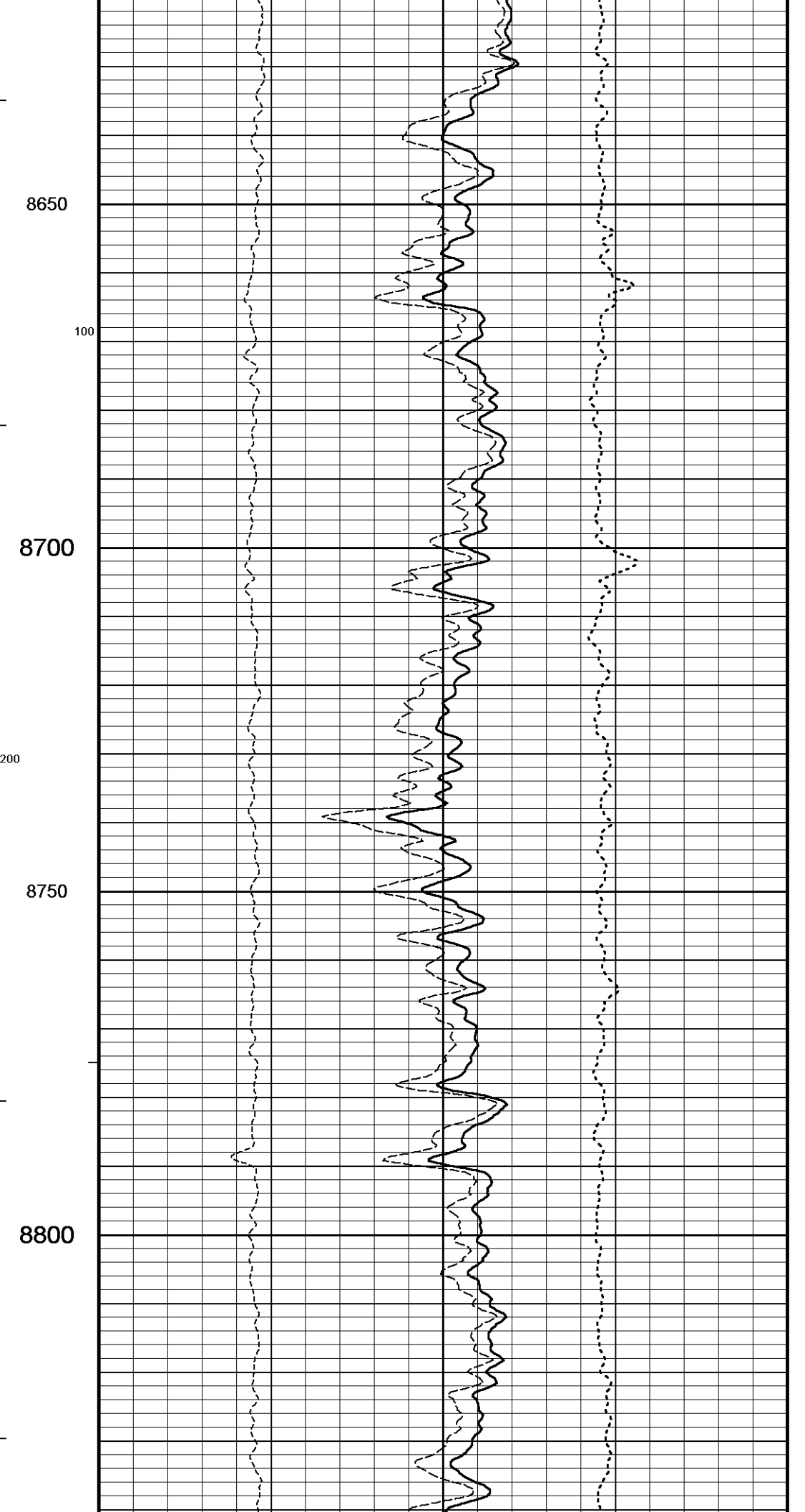
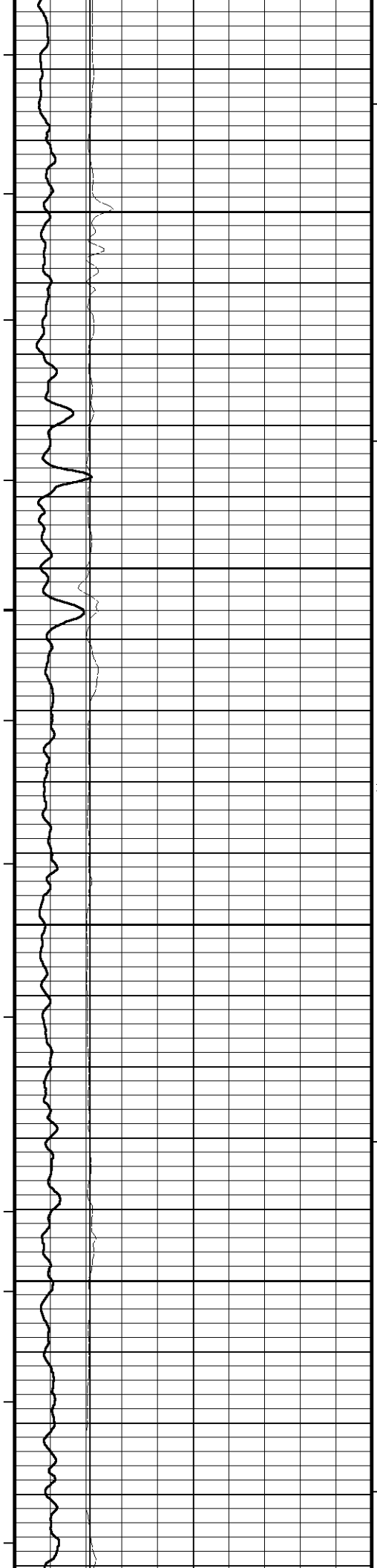
7750
400
7800
7850
7900
7950

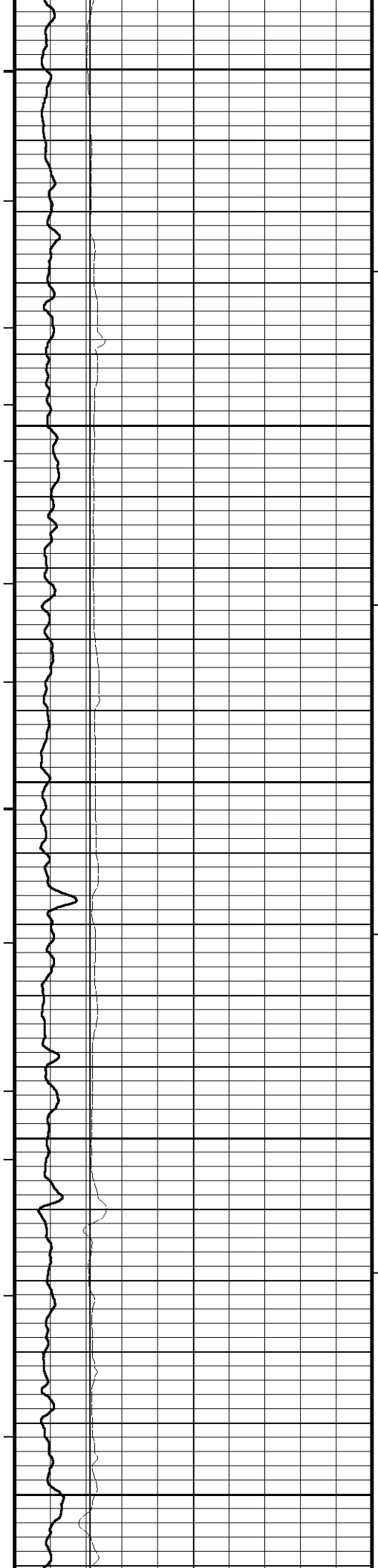












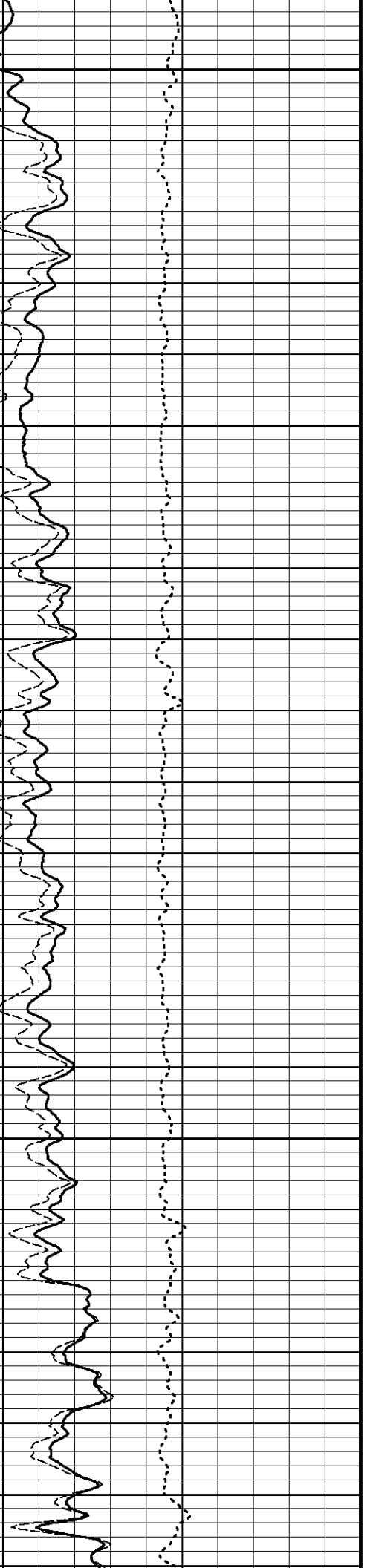
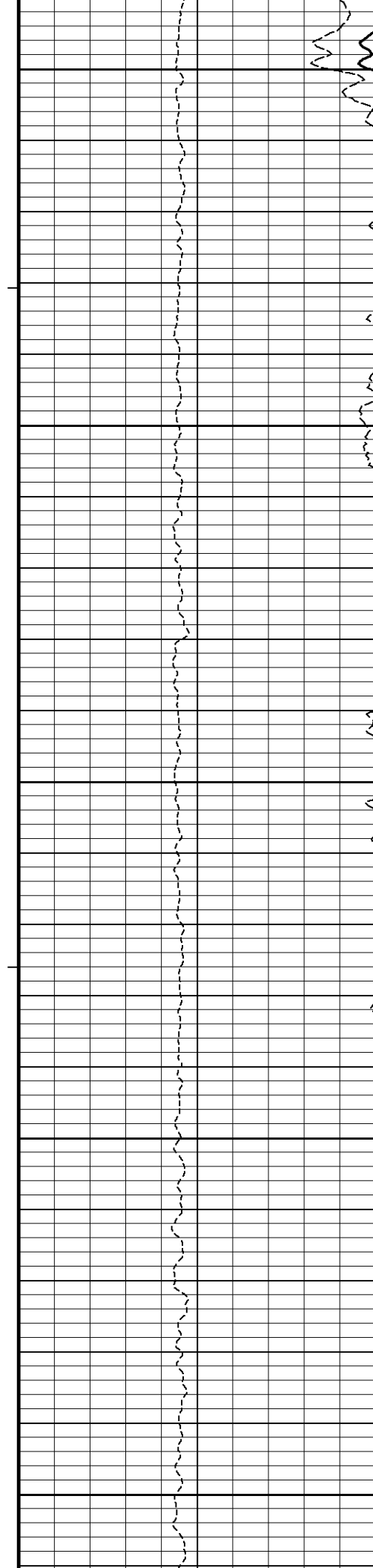
8850

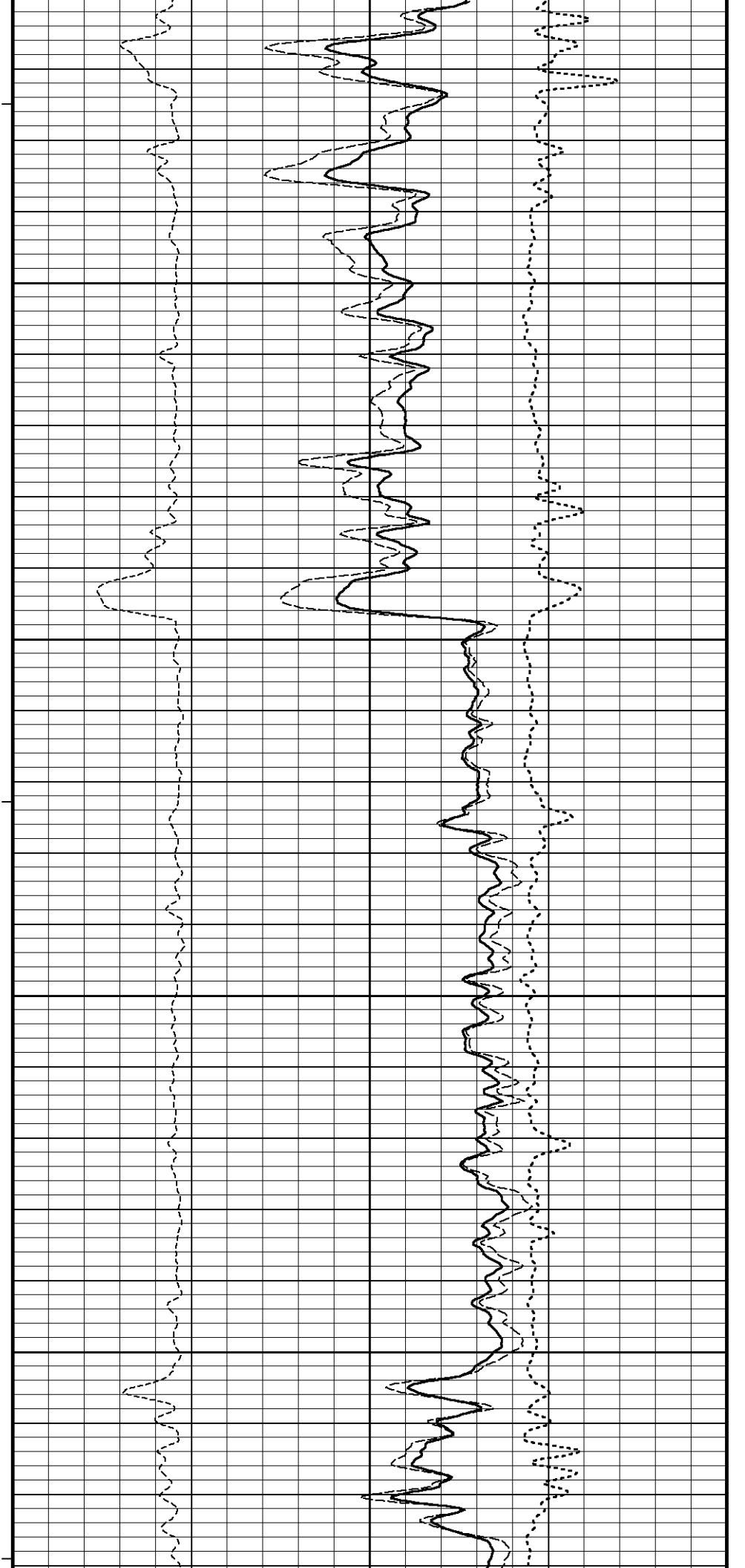
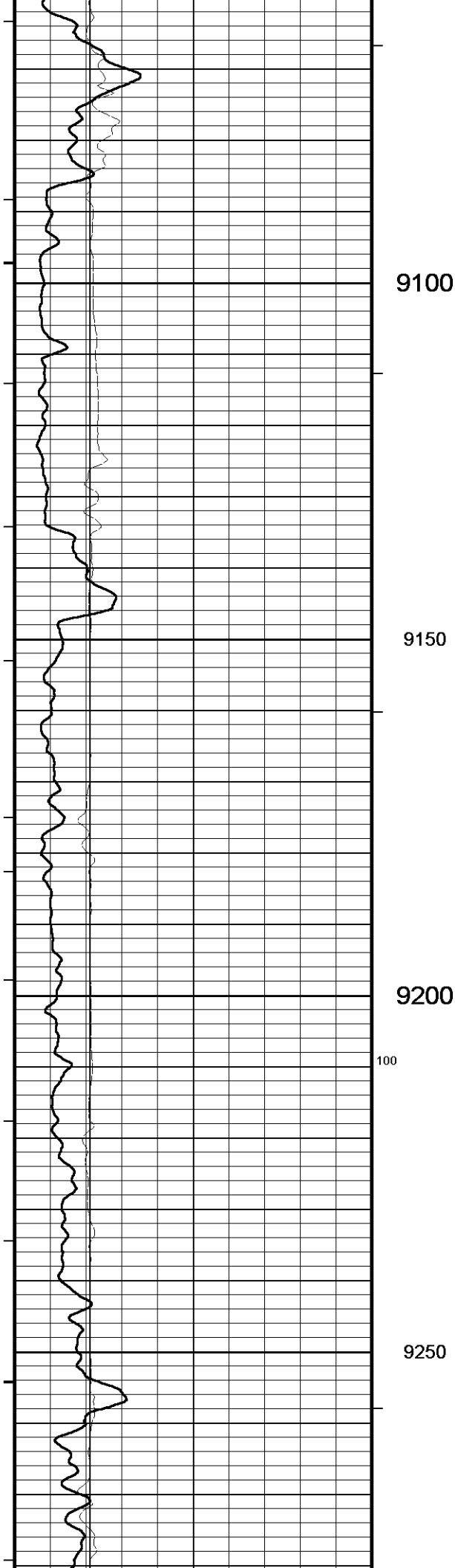
8900

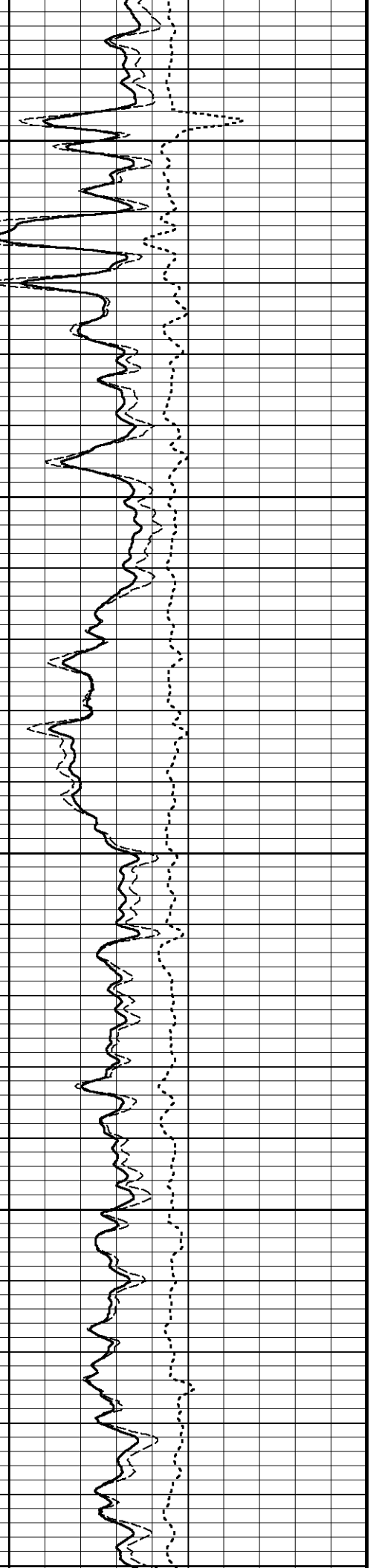
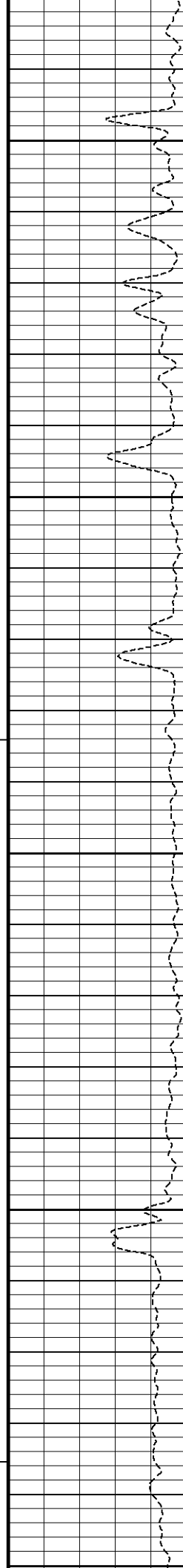
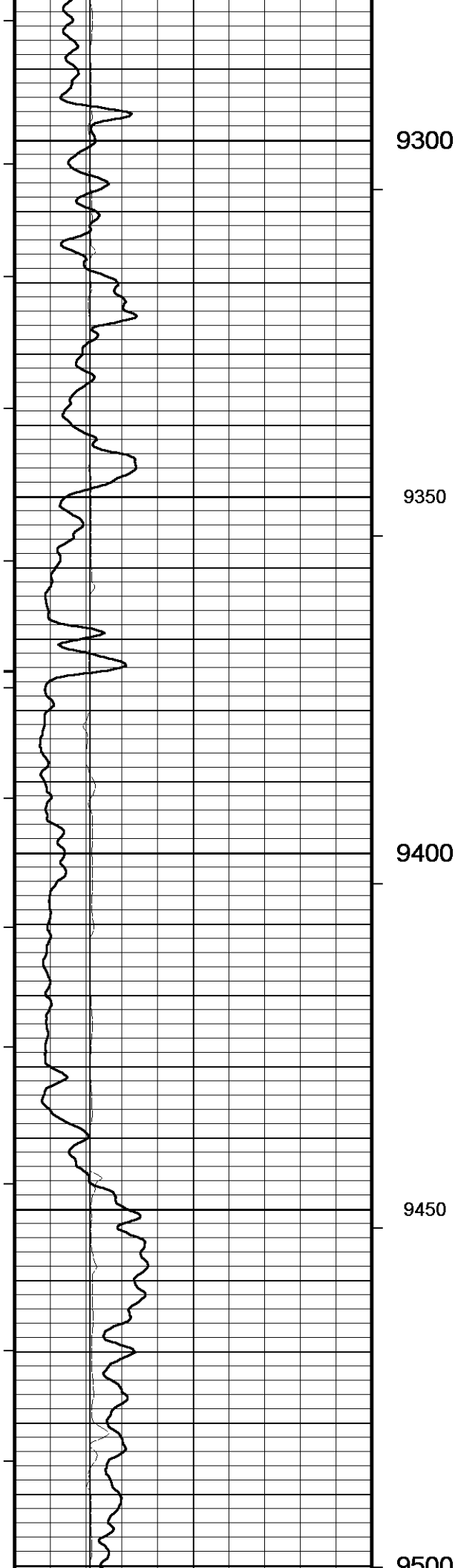
8950

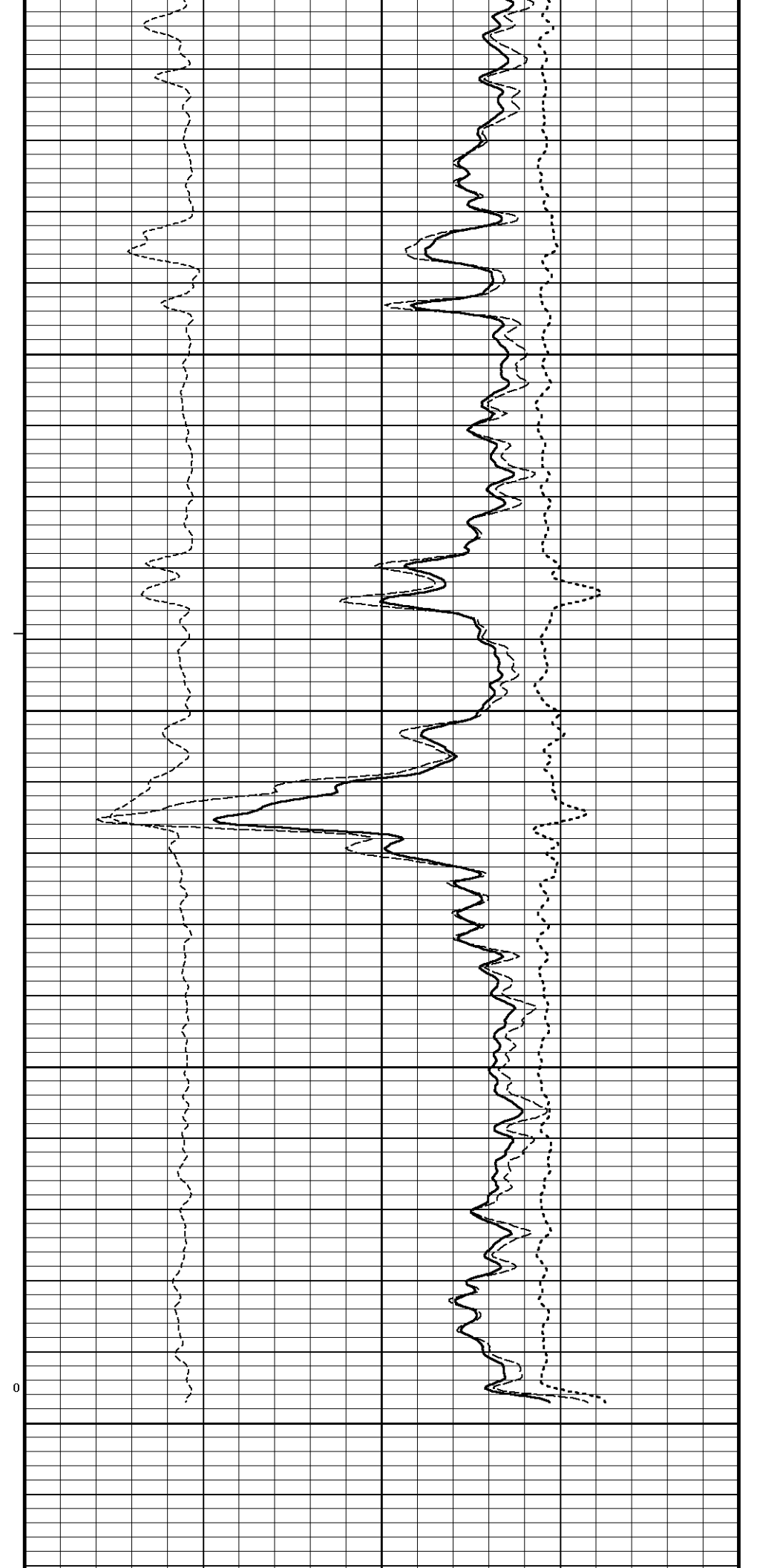
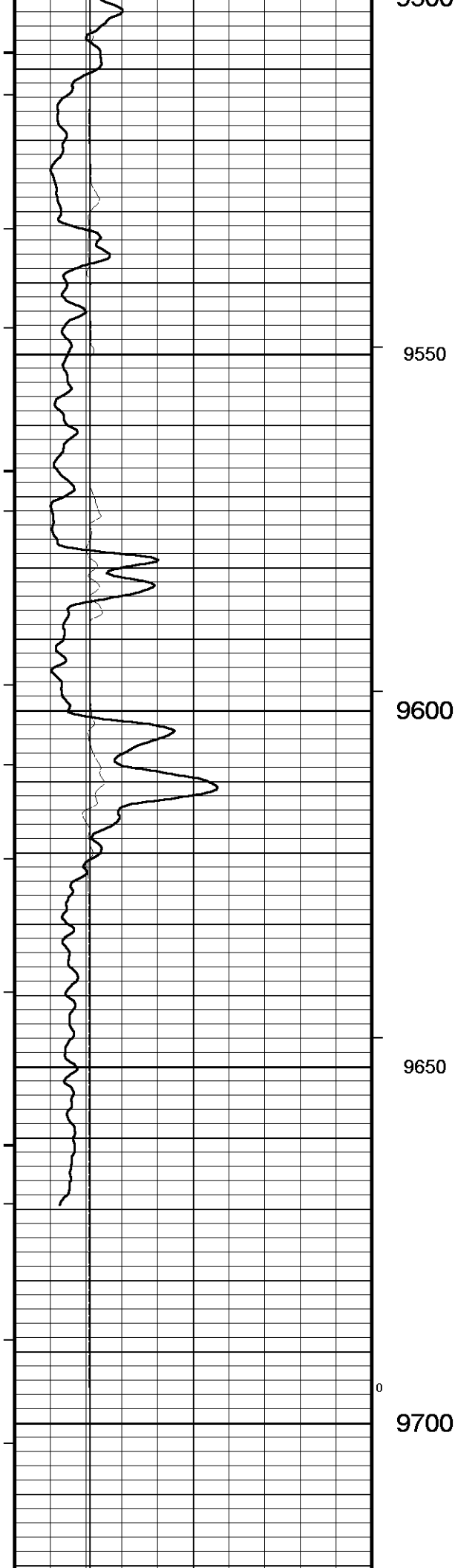
9000

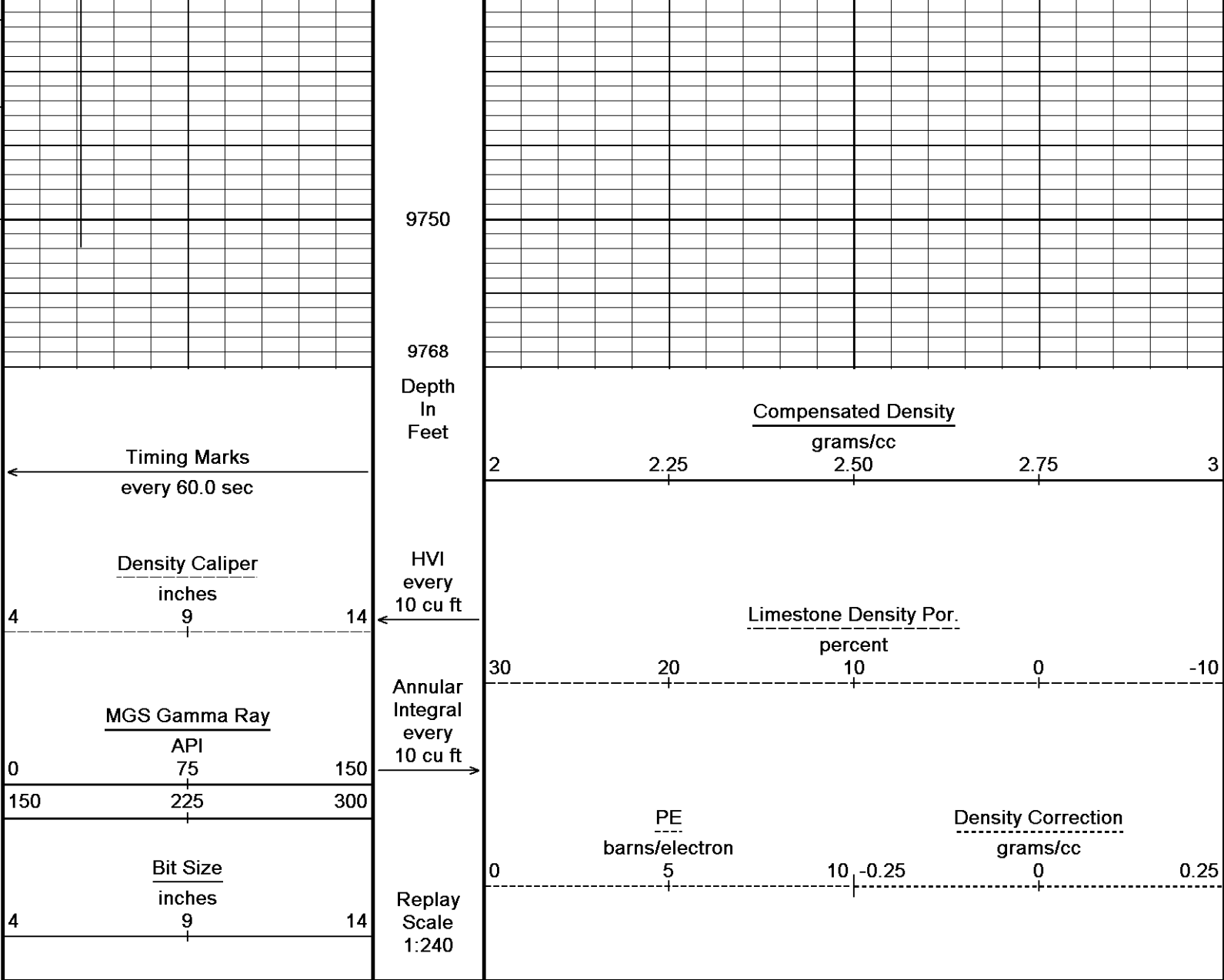
9050











Depth Based Data - Maximum Sampling Increment 10.0cm
Filename: C:\DATA_13_04_8492\SANDRIDGE STAGECOACH 1-14H\Stagecoach rtap depth2.dta
System Versions: Processed with 13.04.8492 Plotted with 13.04.8492

5 INCH BULK DENSITY

BEFORE SURVEY CALIBRATION		
C:\DATA_13_04_8492\SANDRIDGE STAGECOACH 1-14H\Stagecoach rtap depth2.dta		
General Constants All 000		Last Edited on 23-DEC-2012,04:06
General Parameters		
Mud Resistivity	0.680	ohm-metres
Mud Resistivity Temperature	71.000	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	Density Caliper	
Rwa Parameters		
Porosity used	Base Density Porosity	
Resistivity used	Array Ind. Six Res Pt	

Resistivity used	Array Ind. Six Res Rt	
RWA Constant A	0.610	
RWA Constant M	2.150	

Strain Gauge Constants MMS-E.B 133					Last Edited on 07-DEC-2012,11:16			
Atmospheric Pressure	14.70	psi						
Serial Number	241946							
Calibration Date	09-JUL-08							
Base Check Date								
Dead Weight Serial Number	0							
Dead Weight Gravitational Correction	1.0							
Temperature	75.0	150.0	250.0	350.0	degrees F			
Pressure psia	Inc.	Dec.	Inc.	Dec.	Inc.	Dec.	Inc.	Dec.
0.0	0.069	0.073	0.062	0.063	0.042	0.042	0.021	0.021
3000.0	5.240	5.253	5.235	5.245	5.219	5.228	5.199	5.209
6000.0	10.422	10.442	10.421	10.439	10.408	10.425	10.388	10.406
9000.0	15.616	15.637	15.619	15.638	15.609	15.627	15.593	15.610
12000.0	20.827	20.839	20.834	20.843	20.828	20.838	20.815	20.823
15000.0	26.051		26.060		26.056		26.046	

SP Calibration MGS-C.J 142					Field Calibration on 16-DEC-2012,20:48			
	Measured	Calibrated (mV)						
Reference 1	100.0	100.0						
Reference 2	-100.0	-100.0						

High Resolution Temperature Calibration MGS-C.J 142					Field Calibration on 16-DEC-2012,20:48			
	Measured	Calibrated(Deg F)						
Lower	0.00	0.00						
Upper	0.00	0.00						

High Resolution Temperature Constants MGS-C.J 142					Last Edited on 16-DEC-2012,20:48			
Pre-filter Length	11							

Gamma Calibration MGS-C.J 142					Field Calibration on 20-DEC-2012 14:04			
	Measured	Calibrated (API)						
Background	62	46						
Calibrator (Gross)	1258	942						
Calibrator (Net)	1196	896						

Gamma Constants MGS-C.J 142					Last Edited on 17-DEC-2012,18:43			
Gamma Calibrator Number	036							
Mud Density	1.00	gm/cc						
Caliper Source for Processing	Density Caliper							
Tool Position	Eccentred							
Concentration of KCl	0.00	kppm						

Neutron Calibration MDN-B.J 391					Base Calibration on 05-DEC-2012 10:55 Field Check on 20-DEC-2012 13:59			
Base Calibration								
	Measured	Calibrated (cps)						
	Near	Far	Near	Far				
	3136	95	3714	110				
Ratio	32.997		33.764					
Field Calibrator at Base					Calibrated (cps)			
			2329	3423				
Ratio				0.680				
Field Check					Calibrated (cps)			
			2327	3414				
Ratio				0.683				

Neutron Constants MDN-B.J 391					Last Edited on 20-DEC-2012,13:55			
Neutron Source Id	N1055							
Neutron Jig Number	N639							
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	None	
Formation Pressure	N/A	kpsi
Temperature Source	MGS External Temperature	
Temperature	N/A	degrees F
Mud Salinity	0.00	kppm
Salinity Correction	Not Applied	
Formation Fluid Salinity Source	None	
Formation Fluid Salinity	N/A	kppm
Barite Mud Correction	Not Applied	

Accelerometer Parameters MIE-A.A 209

Date Of Last Accelerometer Calibration	22-NOV-2010,09:26			
Slope	X Accelerometer	Y Accelerometer	Z Accelerometer	
Offset	-1.113214	-1.109979	-1.101653	
	0.005467	0.005399	0.010368	

Accelerometer Constants MIE-A.A 209

Last Edited on 01-NOV-2012,11:04

Accelerometer Calibrator Number		000			
Accelerometer Temperature Characterisation					
X Accelerometer					
Serial Number	826				
Calibration Date	18-Mar-2009				
	B0	B1	B2	B3	
Bias(g)	0.00000e+000	2.32377e-005	-1.87334e-008	9.07324e-011	
	SF0	SF1	SF2	SF3	
Scale Factor(mA/g)	3.00000e+000	2.71389e-004	4.55326e-007	4.58364e-010	
Y Accelerometer					
Serial Number	617				
Calibration Date	11-May-2008				
	B0	B1	B2	B3	
Bias(g)	0.00000e+000	1.76675e-005	6.93464e-010	2.98691e-011	
	SF0	SF1	SF2	SF3	
Scale Factor(mA/g)	3.00000e+000	2.56882e-004	5.72598e-007	2.37496e-010	
Z Accelerometer					
Serial Number	844				
Calibration Date	20-Mar-2009				
	B0	B1	B2	B3	
Bias(g)	0.00000e+000	-1.21769e-005	-1.46867e-008	-6.44015e-011	
	SF0	SF1	SF2	SF3	
Scale Factor(mA/g)	3.00000e+000	2.73539e-004	4.65657e-007	2.88996e-010	

Caliper Calibration MIE-A.A 209

Base Calibration on 01-NOV-2012 11:15
Field Calibration on

Base Calibration					
Reading No	Pads 1-5 Meas.	Pads 3-7 Meas.	Calibrator Size (in)		
1	27539	27183	5.96		
2	37417	37822	7.98		
3	47722	47889	9.94		
4	58629	58915	11.90		
5	0	0	0.00		
Reading No	Pad 2 Meas.	Pad 4 Meas.	Pad 6 Meas.	Pad 8 Meas.	Calibrator Size (in)
1	24721	25004	25023	25995	5.96
2	33682	34183	33040	34247	7.98
3	42423	42654	41565	43051	9.94
4	52069	52344	50876	52199	11.90
5	0	0	0	0	0.00
Field Calibration					
	Measured	Measured	Actual		
	Pads 1-5 Caliper(in)	Pads 3-7 Caliper(in)	Caliper(in)		
	0.00	0.00	0.00		

	Measured Pad 2 Caliper(in) 0.00	Measured Pad 4 Caliper(in) 0.00	Measured Pad 6 Caliper(in) 0.00	Measured Pad 8 Caliper(in) 0.00	Actual Caliper(in) 0.00
Caliper Constants MIE-A.A 209					Last Edited on 01-NOV-2012,11:04
Caliper Difference for BRKT		0.120	inches		
Magnetometer Parameters MIE-A.A 209					
Date Of Last Magnetometer Calibration		31-JAN-2011,14:54			
	X Magnetometer	Y Magnetometer	Z Magnetometer		
Slope	-1.000000	-1.013594	-1.010431		
Offset	0.007616	0.016371	0.012246		
Magnetometer Constants MIE-A.A 209					Last Edited on
Magnetometer Calibrator Number		000			
Navigation Constants MIE-A.A 209					Last Edited on
Magnetic Declination		0.00	degrees	East	
Compact Micro Imager Constants MIE-A.A 209					Last Edited on
Sonde Configuration		Imager Mode			
Arm-Pad Kit		Normal Pads (12.25 in)			
Arm-Pad Kit Serial Number					
Centre Pad 1 Rotational Offset		0.00	degrees		
Image/Borehole Ovality Reference		Azimuth of Pad 1			
Non Active Buttons		Omit			
Search Angle		0.00	degrees		
Correlation Interval		1.00	metres		
Correlation Step		0.50	metres		
Current Offset		0.0000	mAmp		
Squasher Start		0.0500	mAmp		
Image Processing		Enabled			
High Resolution Temperature Calibration MAI-A.A 170					Field Calibration on 16-DEC-2012,20:31
	Measured	Calibrated(Deg F)			
Lower	0.00	10.00			
Upper	100.00	100.00			
High Resolution Temperature Constants MAI-A.A 170					Last Edited on 16-DEC-2012,20:31
Pre-filter Length		11			
Induction Calibration MAI-A.A 170					Base Calibration on 02-FEB-2012 17:42 Field Check on 20-DEC-2012 13:48
Base Calibration					
Test Loop Calibration		Measured		Calibrated (mmho/m)	
Channel	Low	High	Low	High	
1	17.7	487.1	9.3	966.2	
2	6.2	384.7	7.6	821.4	
3	3.7	266.1	5.2	566.0	
4	2.2	136.5	2.6	279.2	
Array Temperature		72.1	Deg F		
Channel		Base Check (mmho/m)		Field Check (mmho/m)	
	Low	High	Low	High	
1			9.5	3750.1	
2			29.2	3528.3	
3			27.0	2996.2	
4			18.4	2042.1	
Deep			15.3	1904.7	
Medium			40.7	3980.2	
Shallow			45.3	5289.5	
Array Temperature			37.7	Deg F	
Induction Constants MAI-A.A 170					Last Edited on 23-DEC-2012,04:07

Induction Model		RtAP-WBM	
Caliper for Borehole Corr.		Bit Size	
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.	MGS	External Temperature	
Squasher Start		0.0020	mhos/metre
Squasher Offset		N/A	mhos/metre
Borehole Normalisation			
DRM1	0.0000	DRC1	0.0000
DRM2	0.0000	DRC2	0.0000
MRM1	0.0000	MRC1	0.0000
MRM2	0.0000	MRC2	0.0000
SRM1	0.0000	SRC1	0.0000
SRM2	0.0000	SRC2	0.0000

Calibration Site Corrections			
Channel 1		0.00	mmhos/metre
Channel 2		0.00	mmhos/metre
Channel 3		0.00	mmhos/metre
Channel 4		0.00	mmhos/metre

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

Photo Density Calibration MPD-C.J 394

Base Calibration on 30-NOV-2012 14:19

Field Check on 20-DEC-2012 13:55

Density Calibration				
Base Calibration		Measured		Calibrated (sdu)
		Near	Far	Near Far
Reference 1	52205	25850	59869	31110
Reference 2	21506	2495	24557	2522
Field Check at Base				
	1068.5	1313.0		
Field Check				
	1064.8	1306.3		

PE Calibration				
Base Calibration		Measured		Calibrated
	WS	WH	Ratio	Ratio
Background	192	949		
Reference 1	21177	52026	0.411	0.369
Reference 2	5965	21378	0.283	0.271
Field Check at Base				
	192.1	948.9		
Field Check				
	192.1	946.8		

Density Constants MPD-C.J 394

Last Edited on 07-DEC-2012,17:47

Density Source Id	236
Nylon Calibrator Number	633
Aluminium Calibrator Number	633
Density Check Profile	4 inch

Density Shoe Profile	4 inch	
Caliper Source for Processing	Density Caliper	
PE Correction to Density	Not Applied	
Mud Density	1.01	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 (m)
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

Caliper Calibration MPD-C.J 394

Base Calibration on 30-NOV-2012 13:50
Field Calibration on 07-DEC-2012 10:55

Base Calibration

Reading No	Measured	Calibrator Size (in)
1	17171	4.02
2	25264	6.00
3	33668	8.03
4	42205	10.02
5	51088	12.01
6	N/A	N/A

Field Calibration

Measured Caliper (in)	Actual Caliper (in)
5.99	6.00

DOWNHOLE EQUIPMENT

C:\DATA_13_04_8492\SANDRIDGE STAGECOACH 1-14H\Stagecoach rtap depth2.dta

Shuttle Running Tool 3.5")
SRT-A.A 41 LG: 6.62 ft WT: 37.5 lb OD: 2.52 in

SKJ-E.B Compact Knuckle Joint
SKJ-E.B 472 LG: 2.17 ft WT: 24.3 lb OD: 2.24 in

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



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

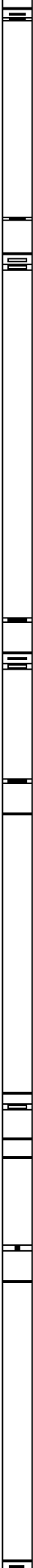
MBS-G.A 200v Compact Battery Sub
MBS-G.A 119 LG: 17.06 ft WT: 123.5 lb OD: 2.24 in

Compact Memory Sub E.B
MMS-E.B 133 LG: 5.20 ft WT: 37.5 lb OD: 2.24 in

Compact Tool Isolator sub.
MTI-B.A 76 LG: 1.54 ft WT: 13.2 lb OD: 2.24 in

Compact Short Gamma
MGS-C.J 142 LG: 3.41 ft WT: 24.3 lb OD: 2.24 in

Compact Collar Locator
MCL-B.J 63 LG: 3.17 ft WT: 26.5 lb OD: 2.24 in



83.57 ft GRGM - MGS Gamma Ray

81.59 ft GSXT - MGS External Temperature

SKJ-E.B Compact Knuckle Joint
SKJ-E.B 479 LG: 2.17 ft WT: 24.3 lb OD: 2.24 in

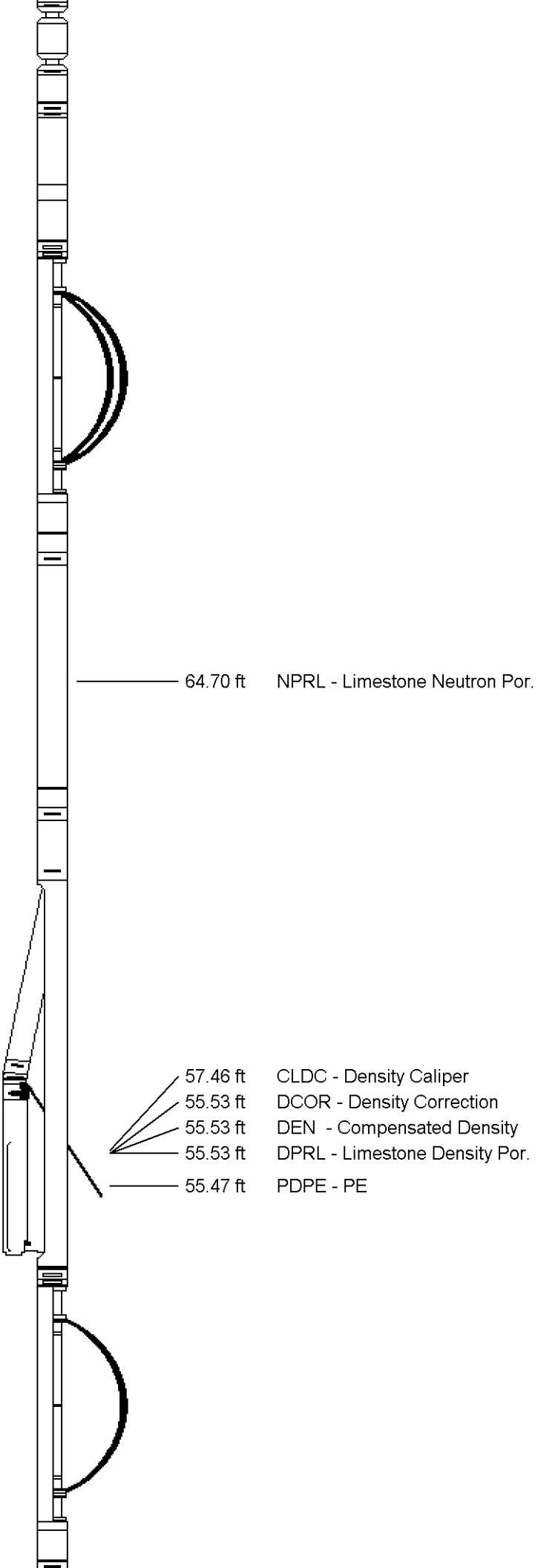
SHA-J.A Compact Swivel Head Adaptor
SHA-J.A 451 LG: 2.30 ft WT: 22.0 lb OD: 2.24 in

MIS-D.B Compact Inline Bowspring sub
MIS-D.B 608 LG: 5.70 ft WT: 33.1 lb OD: 2.24 in

Compact Neutron
MDN-B.J 391 LG: 5.04 ft WT: 50.7 lb OD: 2.24 in

Compact Density/Caliper
MPD-C.J 394 LG: 9.59 ft WT: 90.4 lb OD: 2.24 in

MIS-D.B Compact Inline Bowspring sub
MIS-D.B 607 LG: 5.70 ft WT: 33.1 lb OD: 2.24 in



SHA-J.A Compact Swivel Head Adaptor
SHA-J.A 438 LG: 2.30 ft WT: 22.0 lb OD: 2.24 in

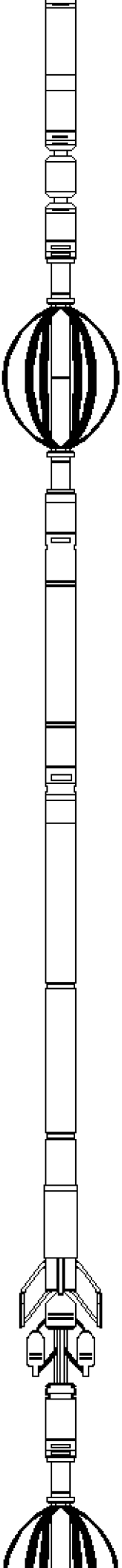
SKJ-E.B Compact Knuckle Joint
SKJ-E.B 478 LG: 2.17 ft WT: 24.3 lb OD: 2.24 in

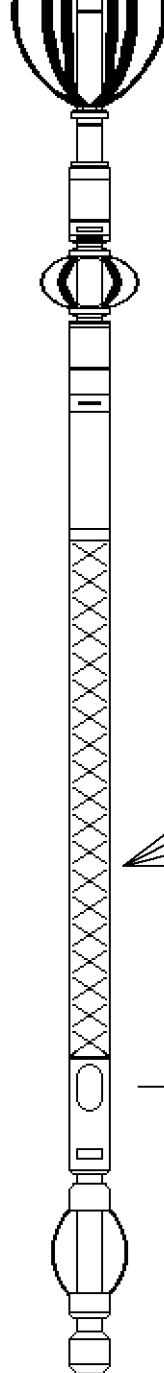
MIS-D.B Compact Inline Bowspring sub
MIS-D.B 593 LG: 5.70 ft WT: 33.1 lb OD: 2.24 in

Compact MMI Memory Section
MIM-B.A 251 LG: 4.65 ft WT: 26.5 lb OD: 2.24 in

Compact MMI Electrode Section
MIE-A.A 209 LG: 13.96 ft WT: 99.2 lb OD: 4.09 in

MIS-D.B Compact Inline Bowspring sub
MIS-D.B 605 LG: 5.70 ft WT: 33.1 lb OD: 2.24 in





MIS-E.B Compact Inline Standoff sub
MIS-E.B 597 LG: 2.14 ft WT: 15.4 lb OD: 2.24 in

Compact Induction
MAI-A.A 170 LG: 12.52 ft WT: 48.5 lb OD: 2.24 in

3.34 ft R40S - Array Ind. Six Res 40
3.34 ft R60S - Array Ind. Six Res 60
3.34 ft R85S - Array Ind. Six Res 85
3.34 ft RTAS - Array Ind. Six Res Rt

Tool Zero (1.84ft from bottom)

Total Length: 147.25 ft Weight: 903.9 lb All measurements relative to tool zero.

COMPANY	Sandridge Energy
WELL	Stagecoach 2925 1-14H
FIELD	Mineloa
PROVINCE/COUNTY	Ford
COUNTRY/STATE	U.S.A. / Kansas

Elevation Kelly Bushing	2639.00	feet	First Reading	9694.00	feet
Elevation Drill Floor	2639.00	feet	Depth Driller	9780.00	feet
Elevation Ground Level	2619.00	feet	Depth Logger	9780.00	feet



CML MESSENGER SHUTTLE
COMPACT PHOTO DENSITY
COMPENSATED NEUTRON LOG

