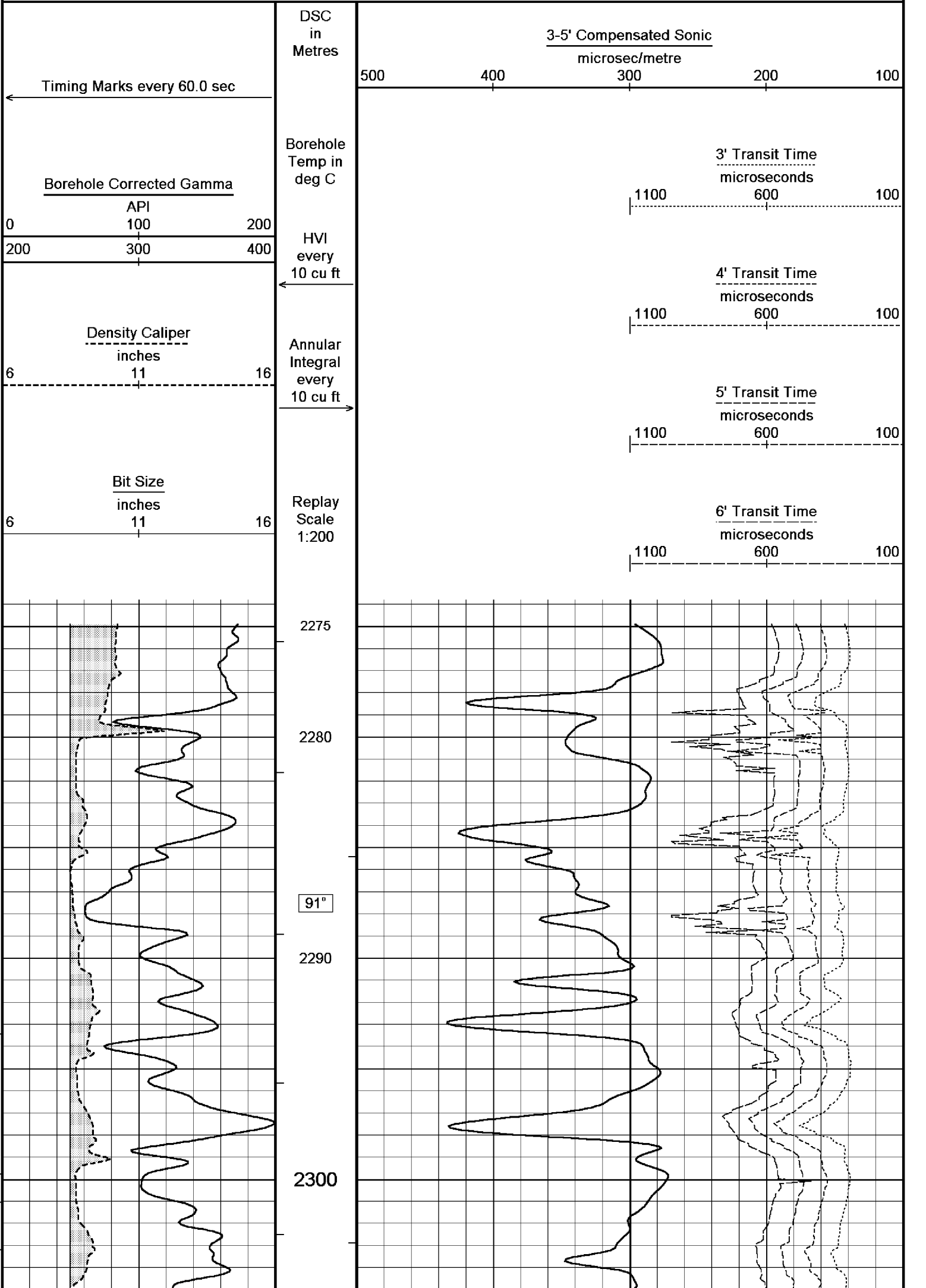
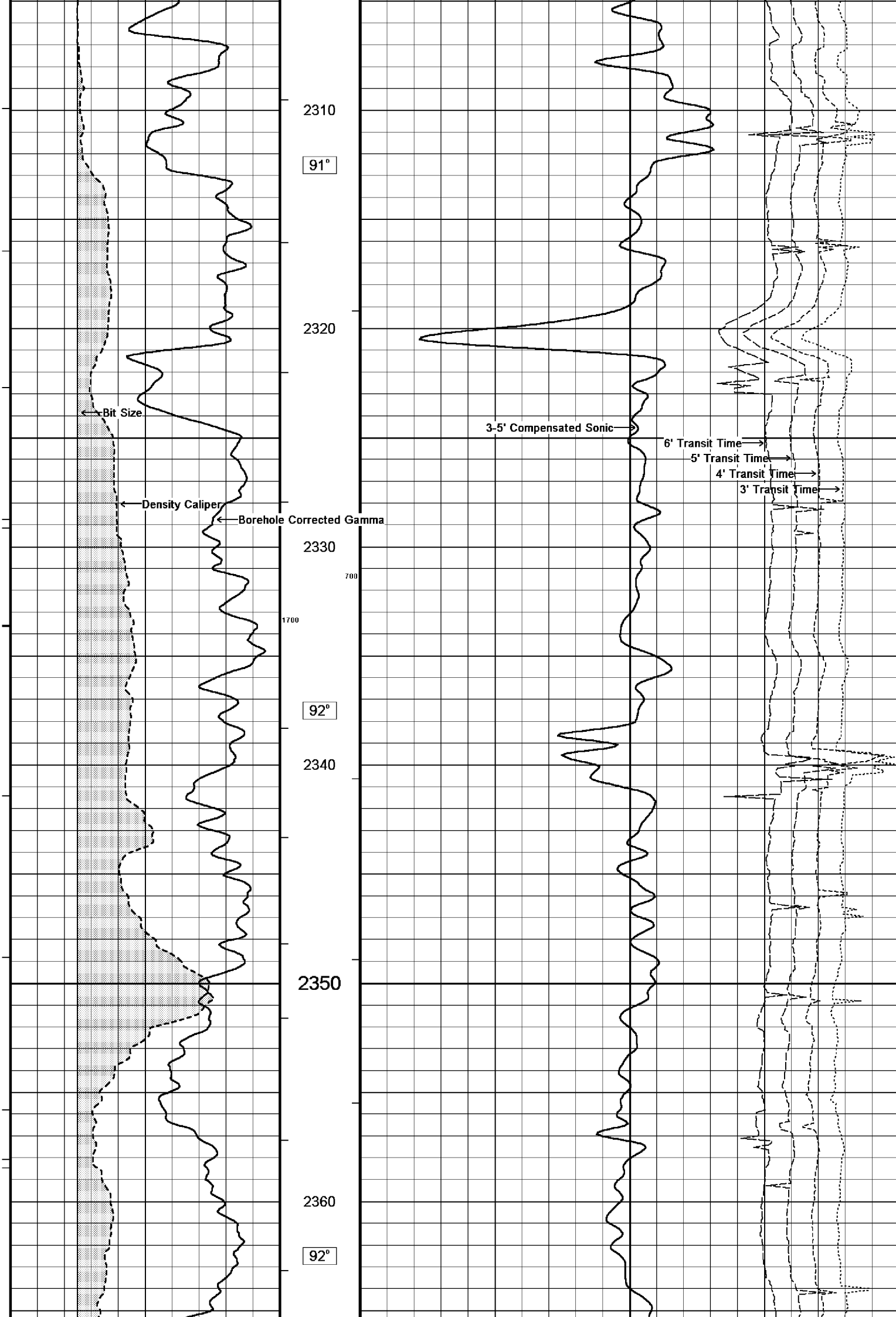


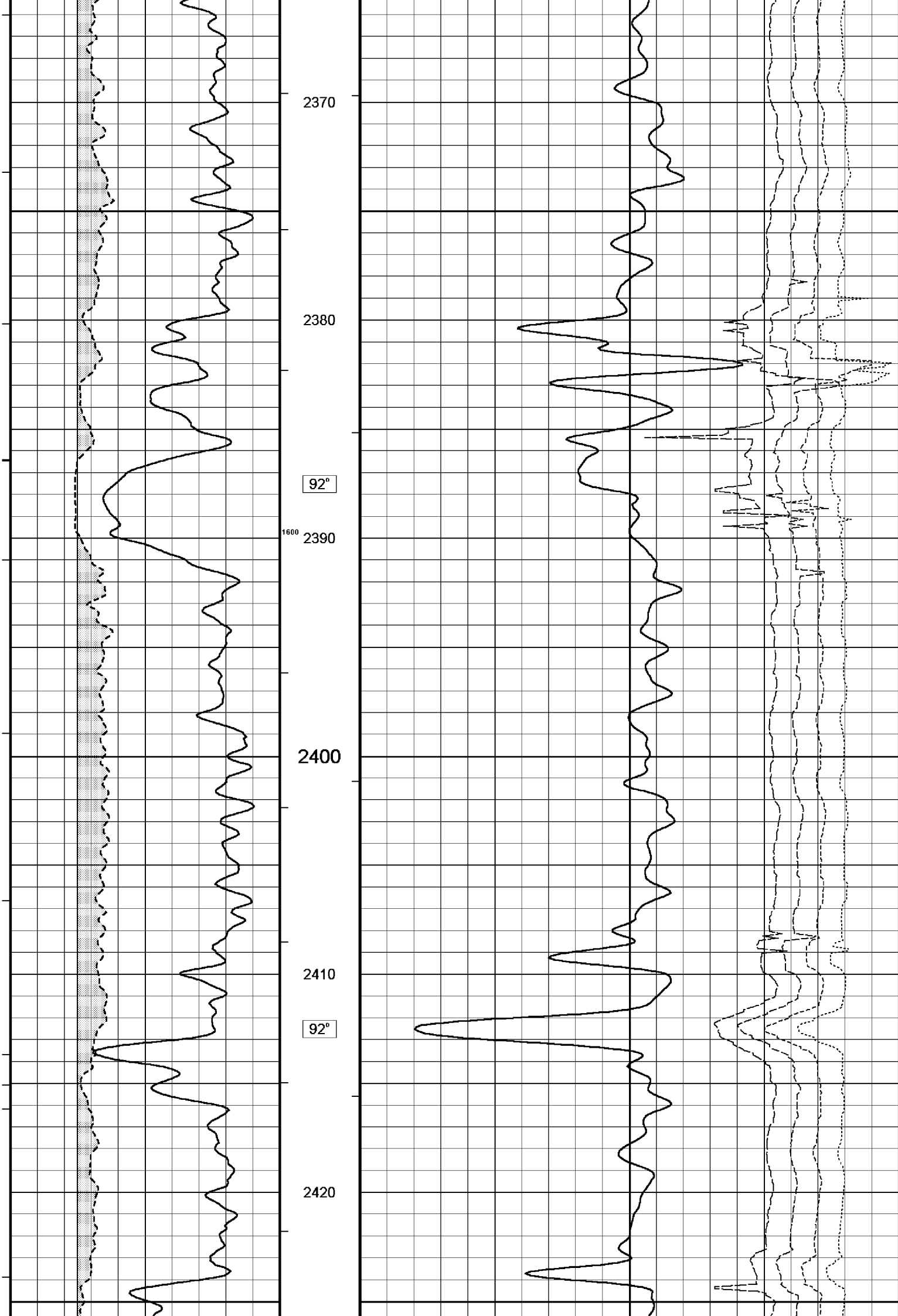
<div>Reeves</div> <div>Compact</div>			COMPENSATED SONIC			1:200 MD			
COMPANY			Esso Australia Pty Ltd						
WELL			Marlin A10a ST						
FIELD			Turrum						
PROVINCE/COUNTRY			Bass Strait						
COUNTRY/STATE			Australia						
LOCATION			38 13 49.320E , 148 13 15.712S						
			N 5767920.060 m , E 606868.950 m						
			[FINAL PRINT]						
LSD	SEC	TWP	RGE	Other Services			DUAL LATEROLOG		
API Number			Permit Number VIC L3/L4			PHOTO DENSITY			
Permanent Datum M.S.L.			, Elevation 0.00			metres			
Log Measured From R.T.			@ 27.91m			above Permanent Datum			
Drilling Measured From R.T.									
Date	15-SEP-2004					Elevations:			
Run Number	One					KB			
Depth Driller	3491.00		metres			DF			
Depth Logger	3484.50		metres			27.91			
First Reading	3479.45		metres			metres			
Last Reading	2275.00		metres			metres			
Casing Driller	642.00		metres						
Casing Logger									
Bit Size	8.50		inches						
Hole Fluid Type	KC/PPH/PA/GLY								
Density / Viscosity	9.90 lb/USg		77.00 CP						
PH / Fluid Loss	9.10		2.80 ml/30Min						
Sample Source	Flow Line								
Rm @ Measured Temp	0.135 @ 25.0		ohm-m						
Rmf @ Measured Temp	0.098 @ 25.0		ohm-m						
Rmc @ Measured Temp	0.168 @ 25.0		ohm-m						
Source Rmf / Rmc	Press		Press						
Rm @ BHT	0.047 @114.0		ohm-m						
Time Since Circulation	23.5 Hrs								
Max Recorded Temp	114.00		deg C						
Equipment Name	CWS/CML								
Equipment / Base	1		Sale						
Recorded By	G. McManus, R. Tench								
Witnessed By	C. MENHENITT								
Circ. Stopped	2200 14-Sep								

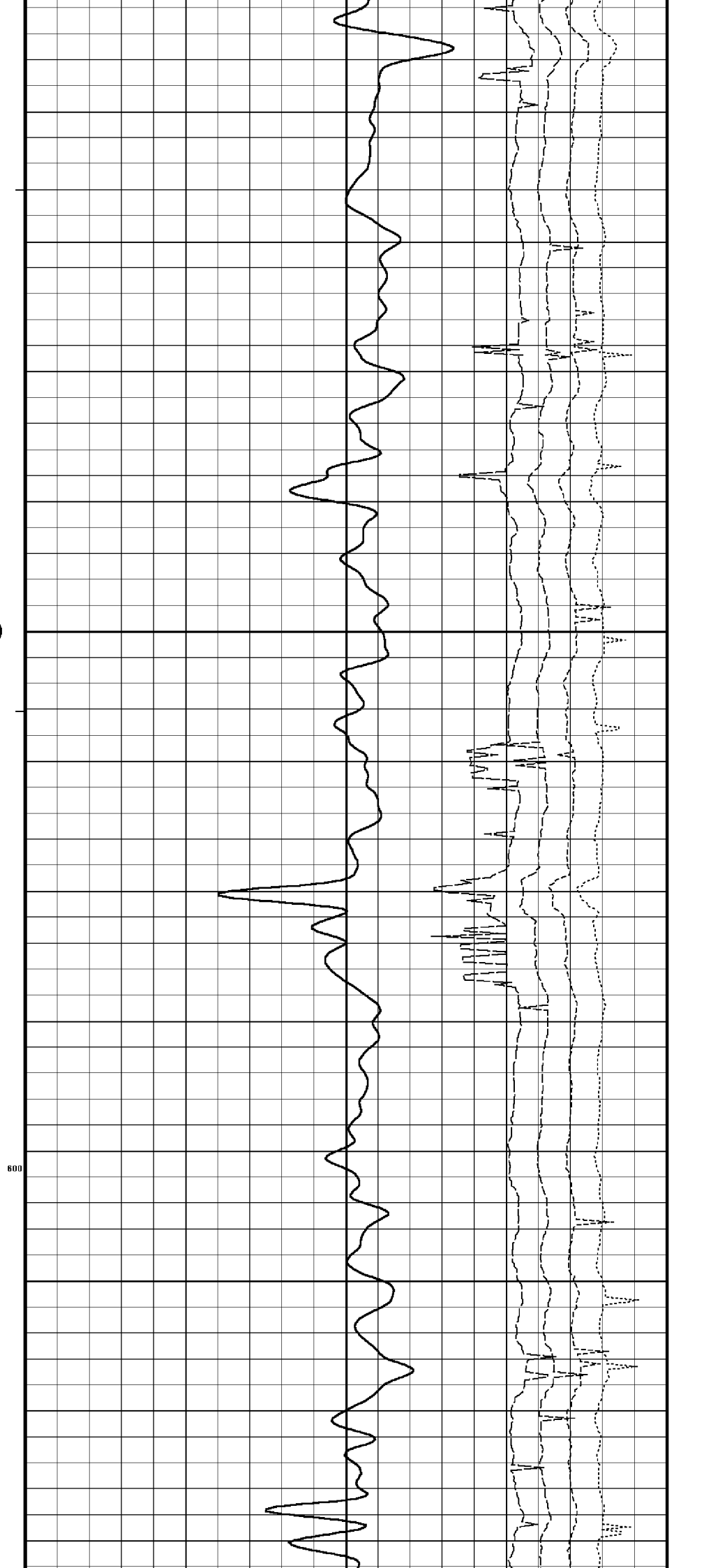
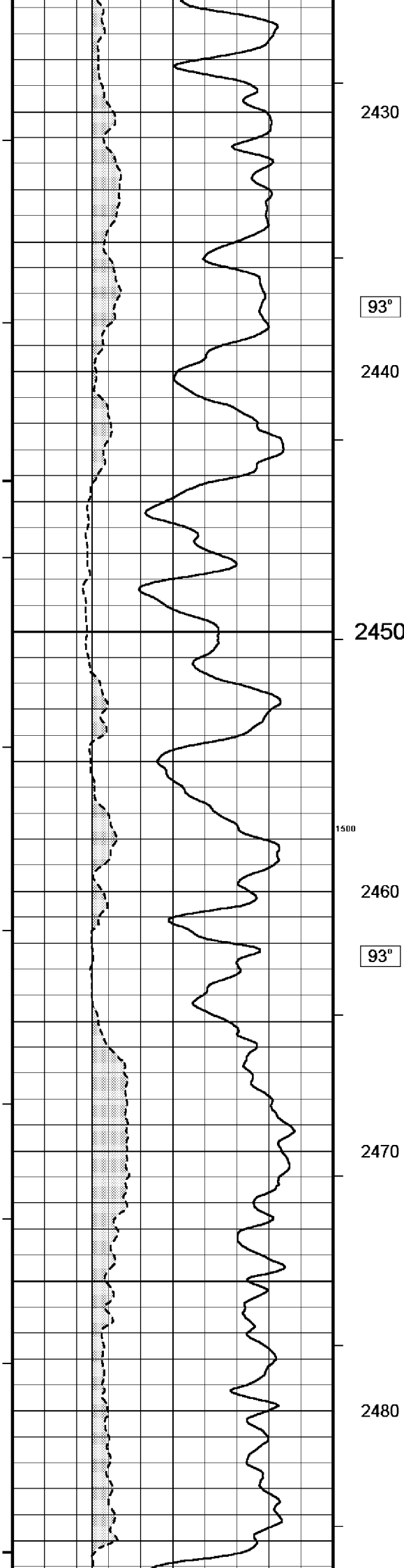
BOREHOLE RECORD				
Bit Size	Depth From		Depth To	
inches	metres		metres	
8.500	642.000		3491.000	
CASING RECORD				
Type	Size	Depth From	Shoe Depth	Weight
	inches	metres	metres	pounds/ft
J-55	13.375	0.000	642.000	54.40
REMARKS				
Drilling Rig: Nabors 453				
Crew: G McManus; R Tench; B Goodwin; M Susa				
Open hole well logged using Reeves COMPACT logging tools and 5" Shuttle conveyed Memory logging techniques.				
Logs depth corrected and quality controlled with Anadrill gamma log.				
Caliper reading inside casing: 12.688 In.				
Inside diameter of casing: 12.615 In.				
Max Inclination: 45.1 deg at 2884.87mMDRT				
Max Dogleg Severity: 4.32 deg at 3229.06mMDRT				
Max Temperature: 114.0 deg C at 3429.90mMDRT				
Hole Volume to Last Read: 1790 ft^3				
Annular Volume to Last Read: 735 ft^3				

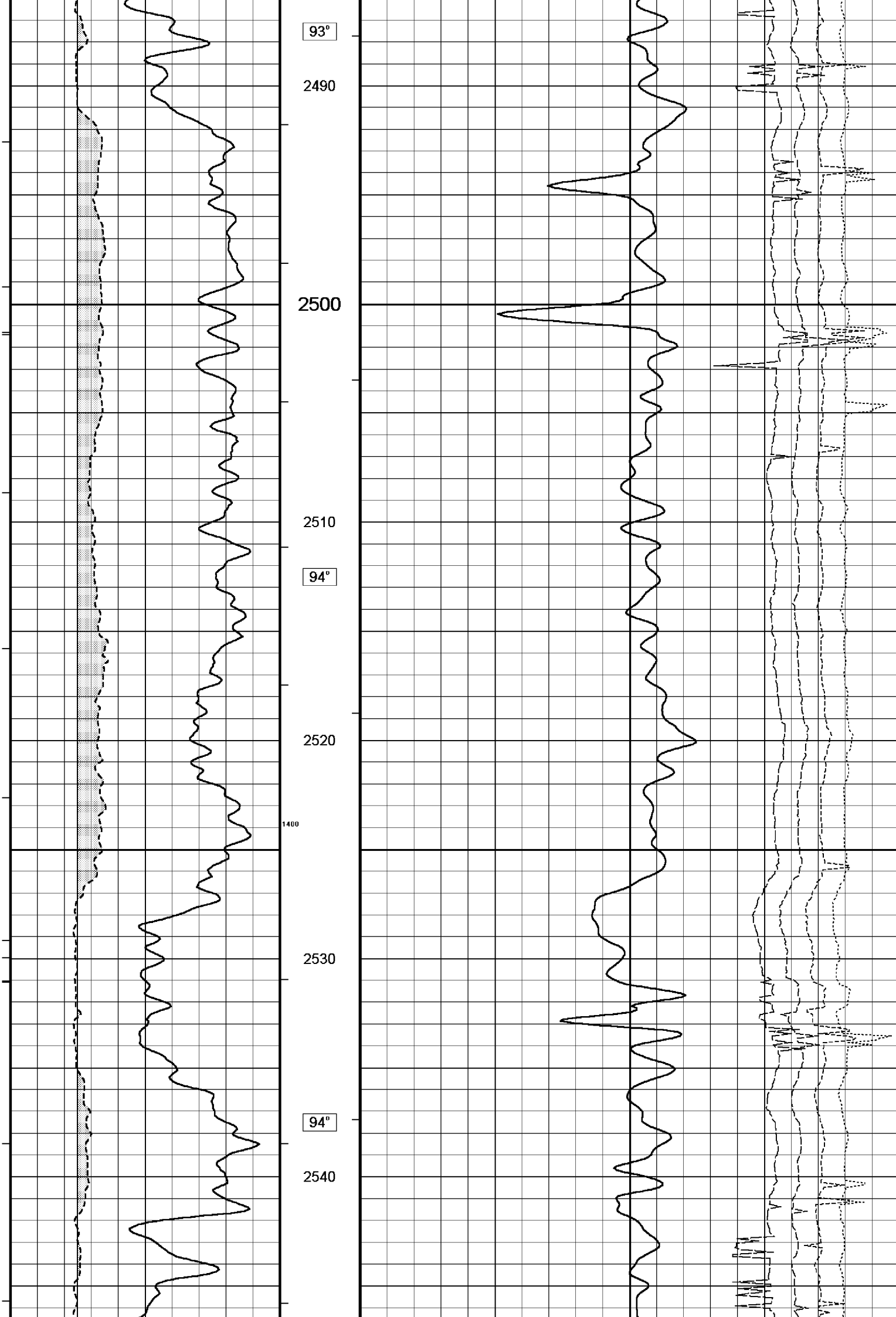
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs,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

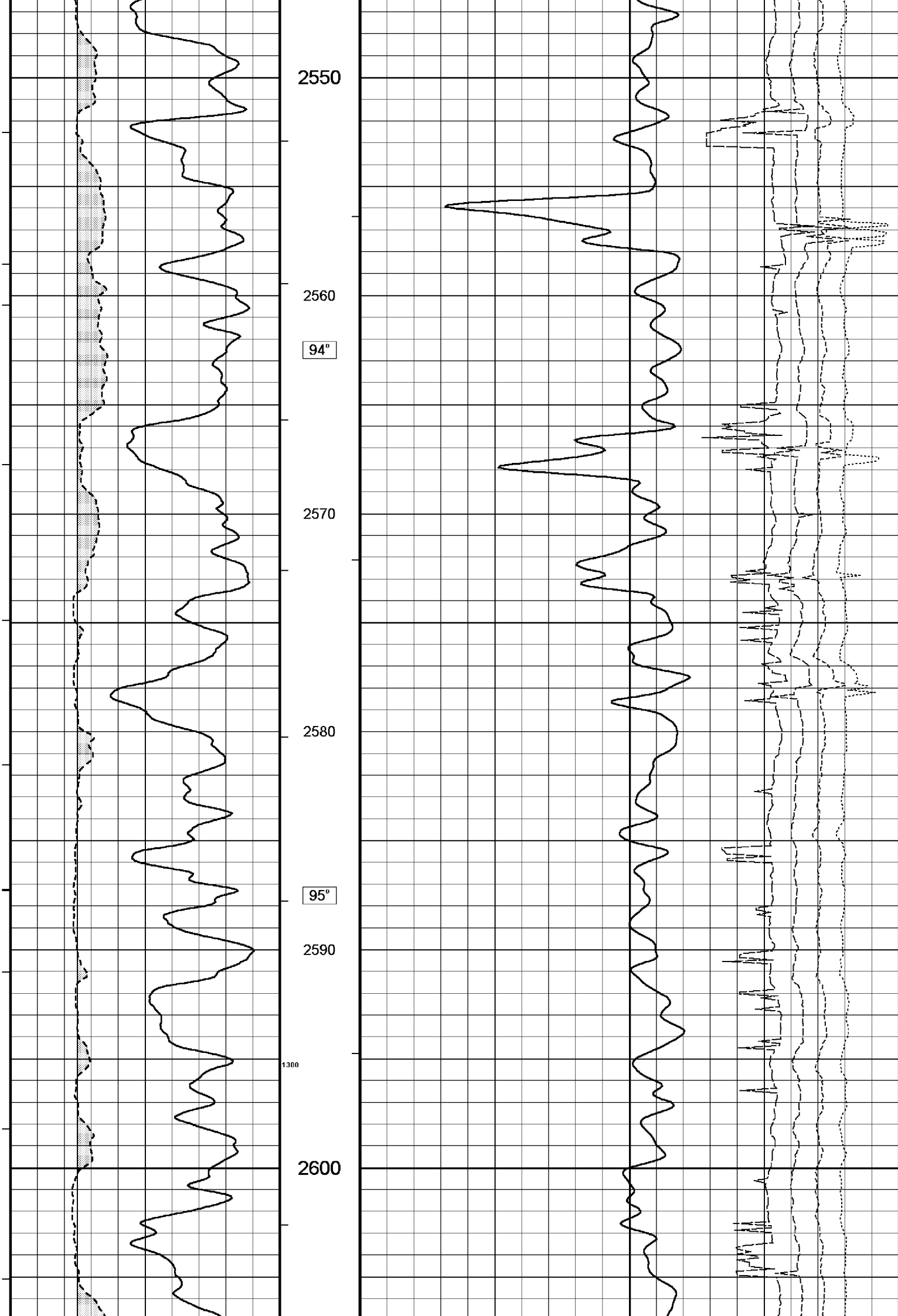


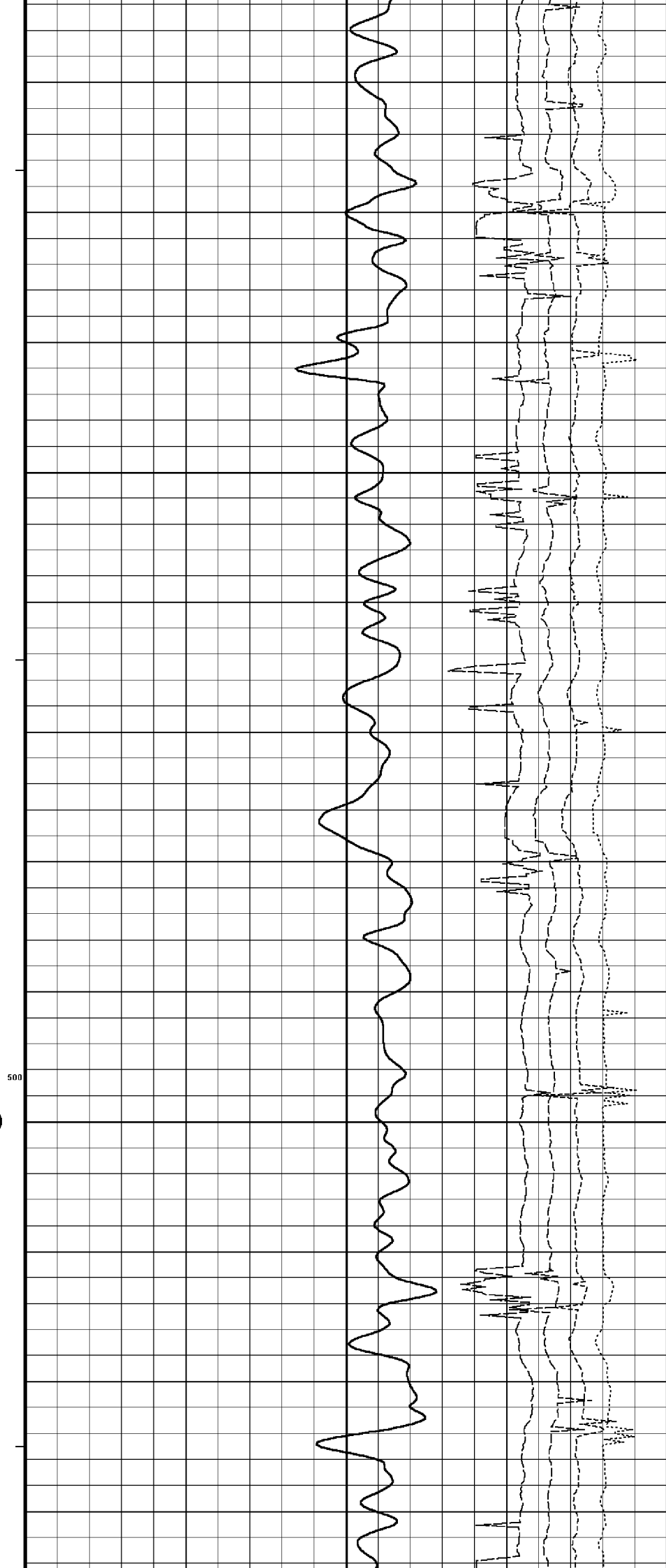
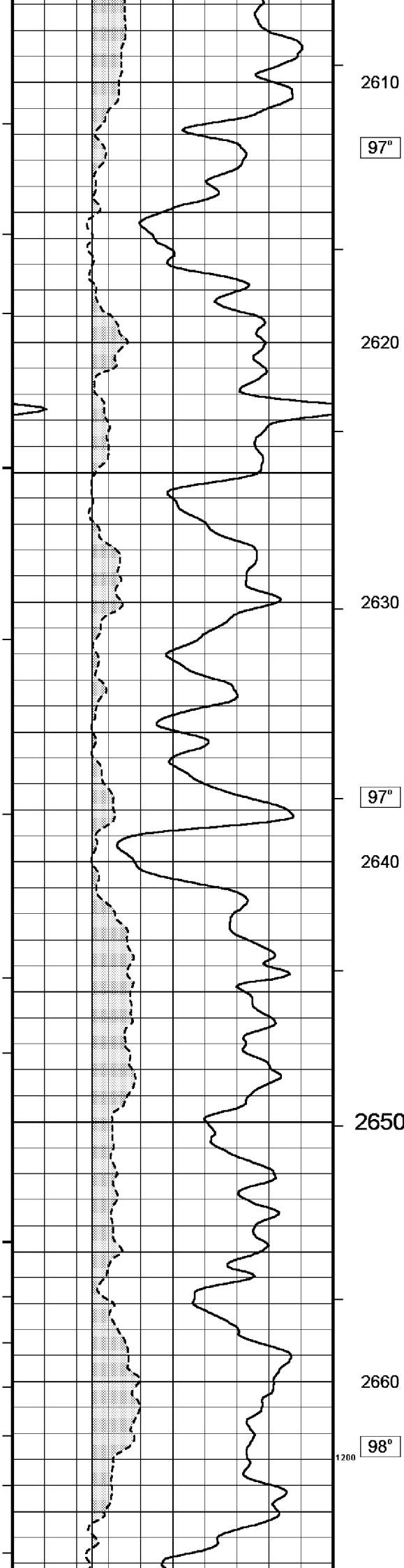


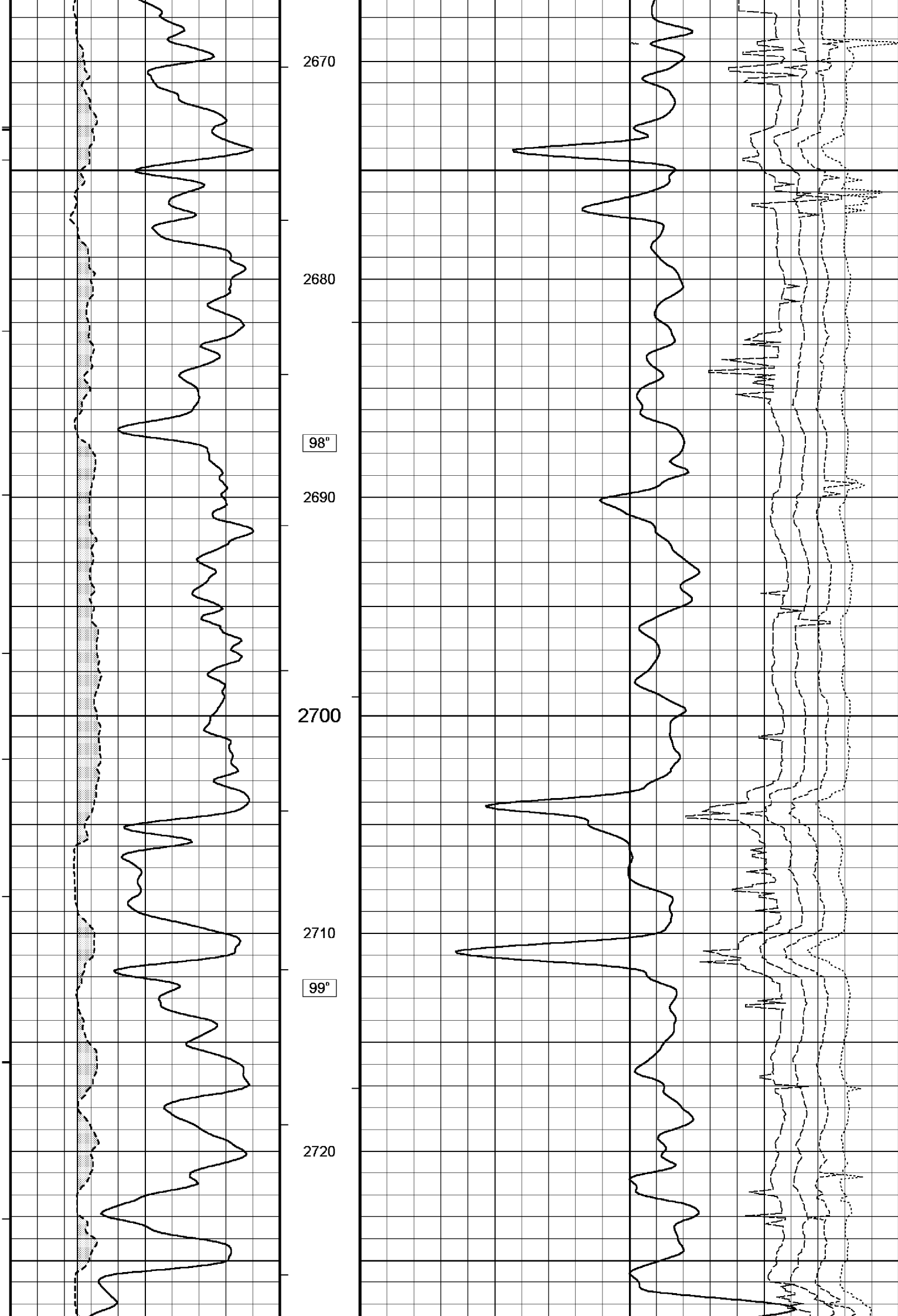


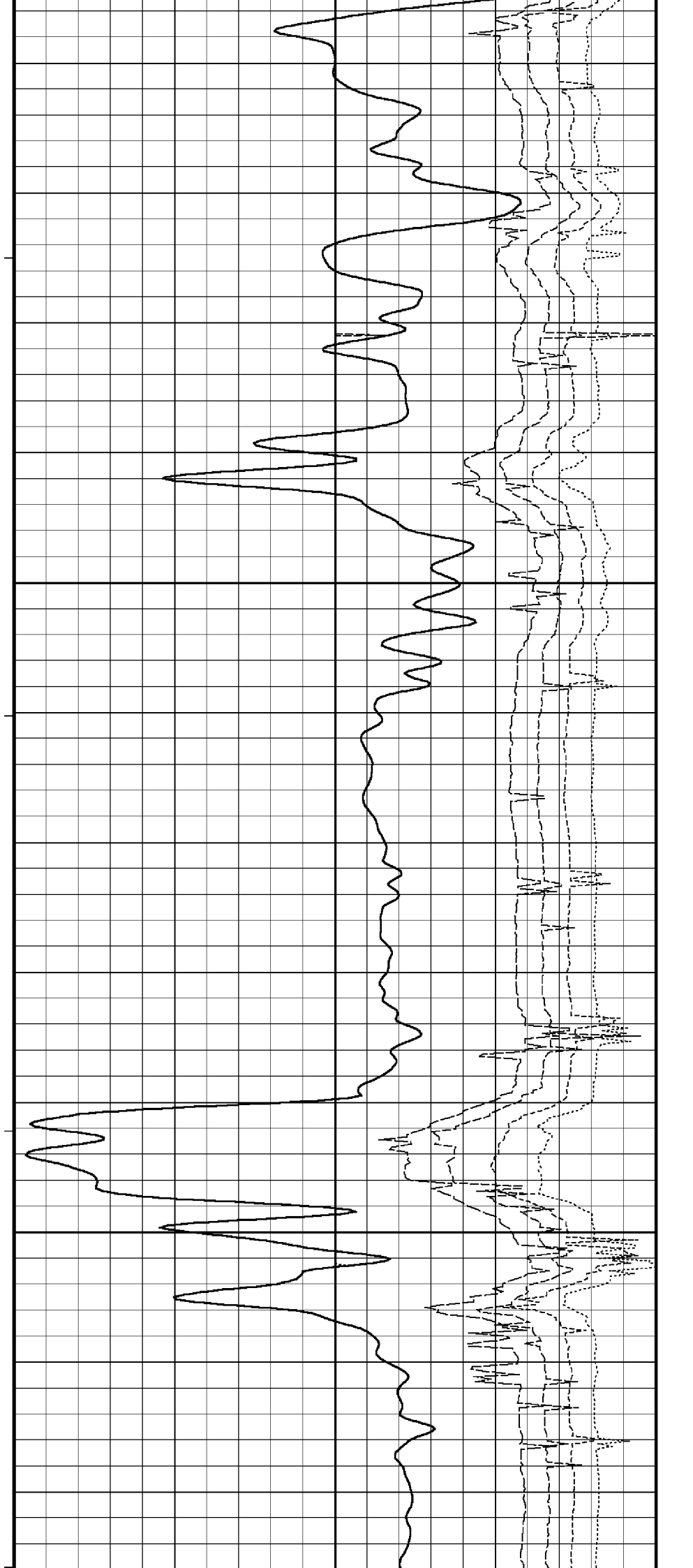
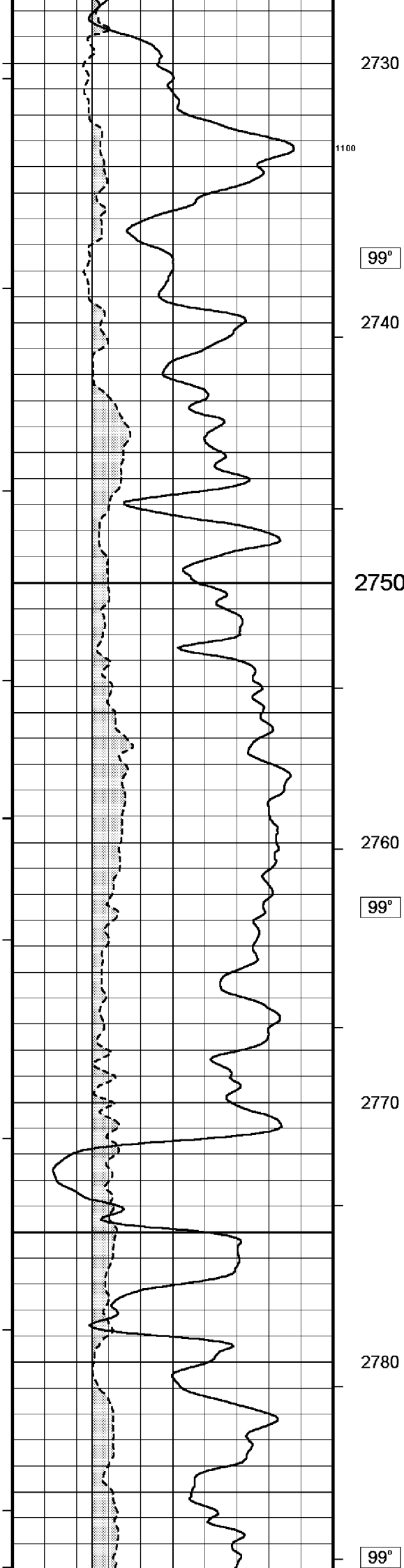


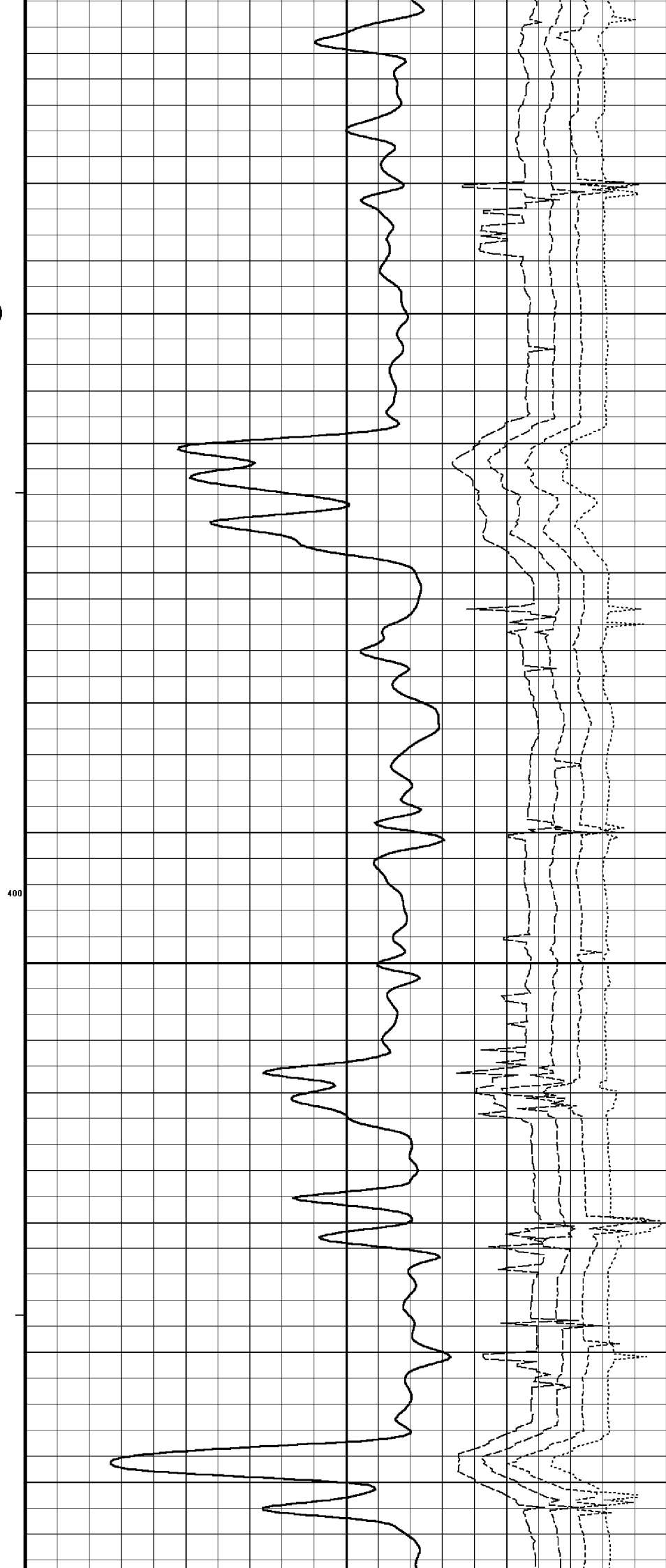
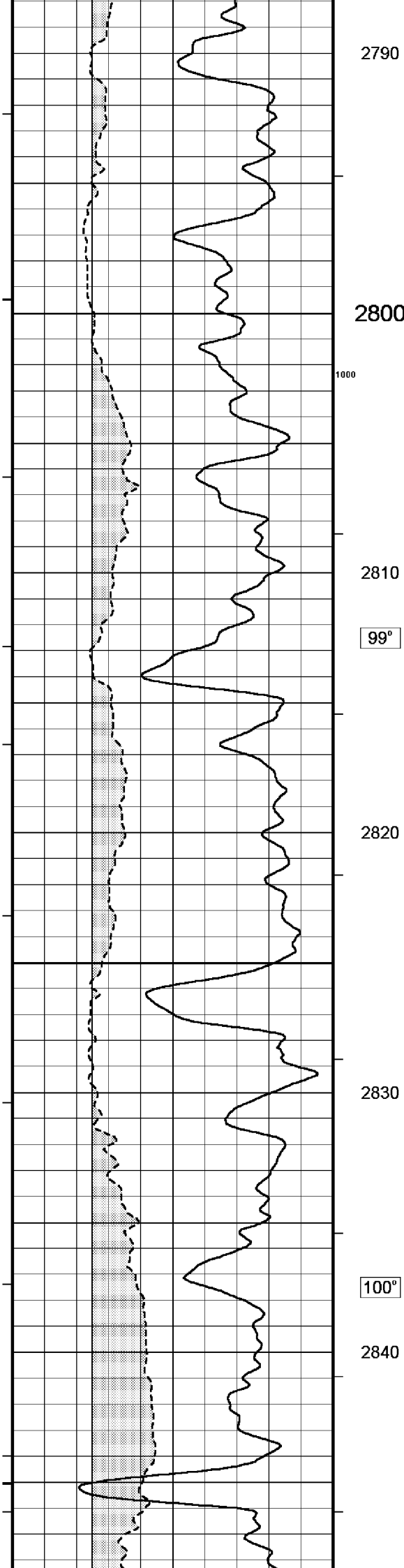


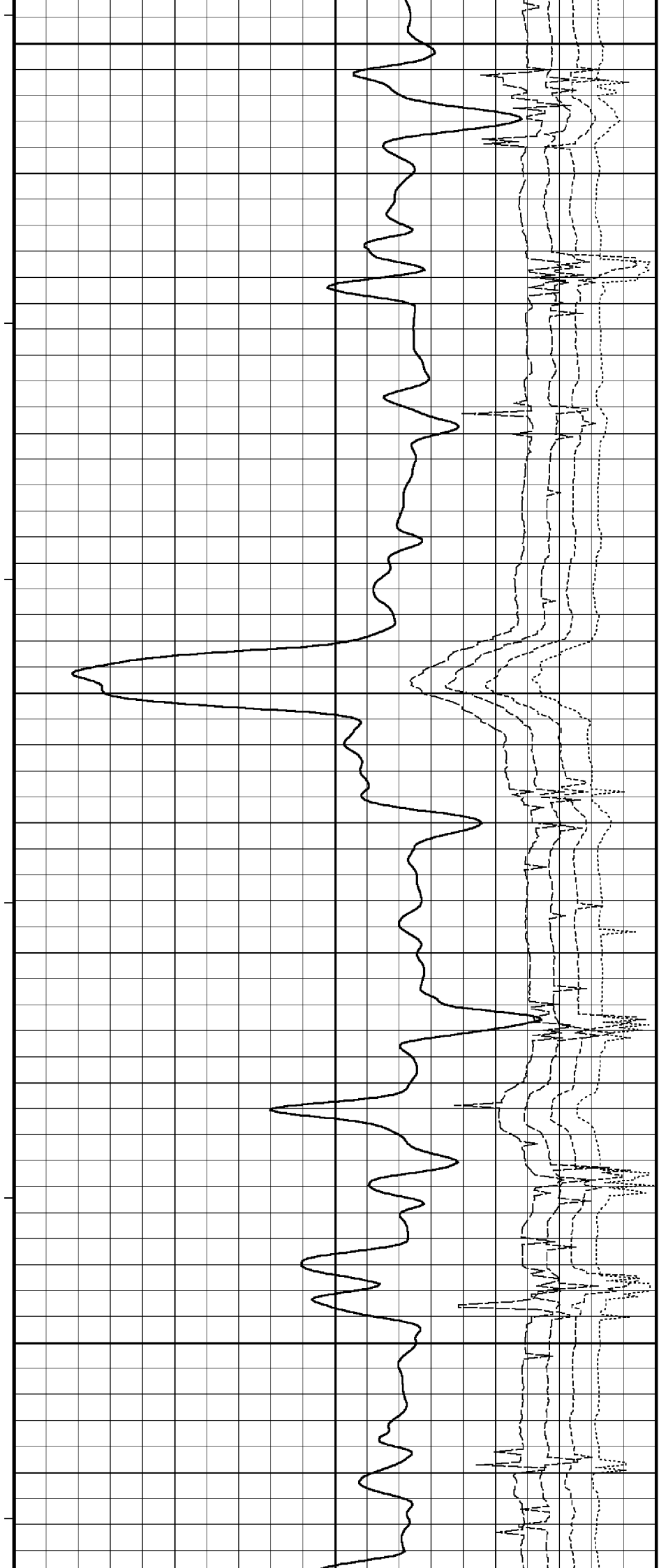
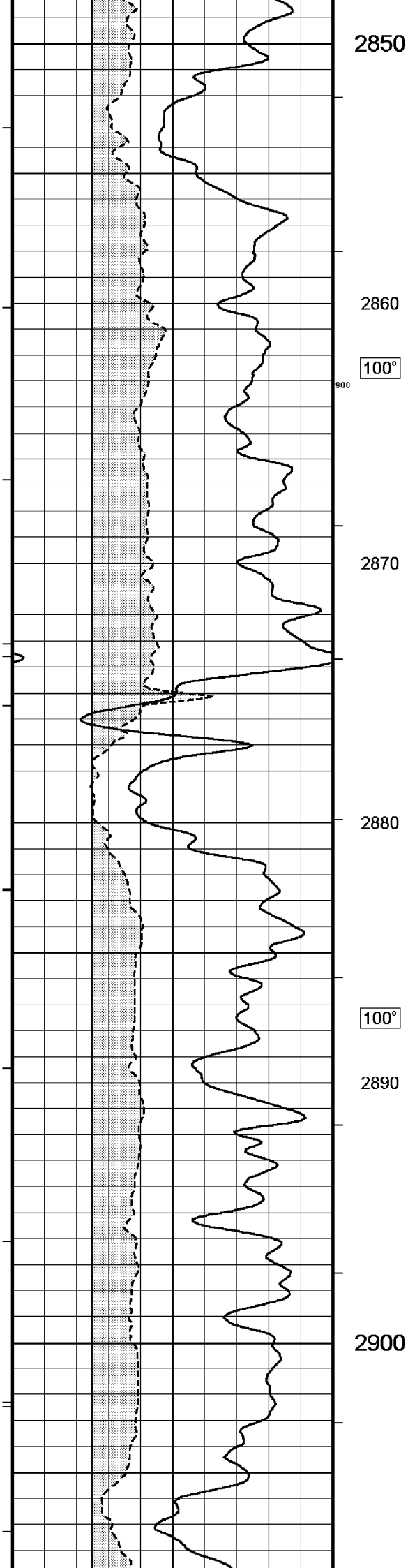


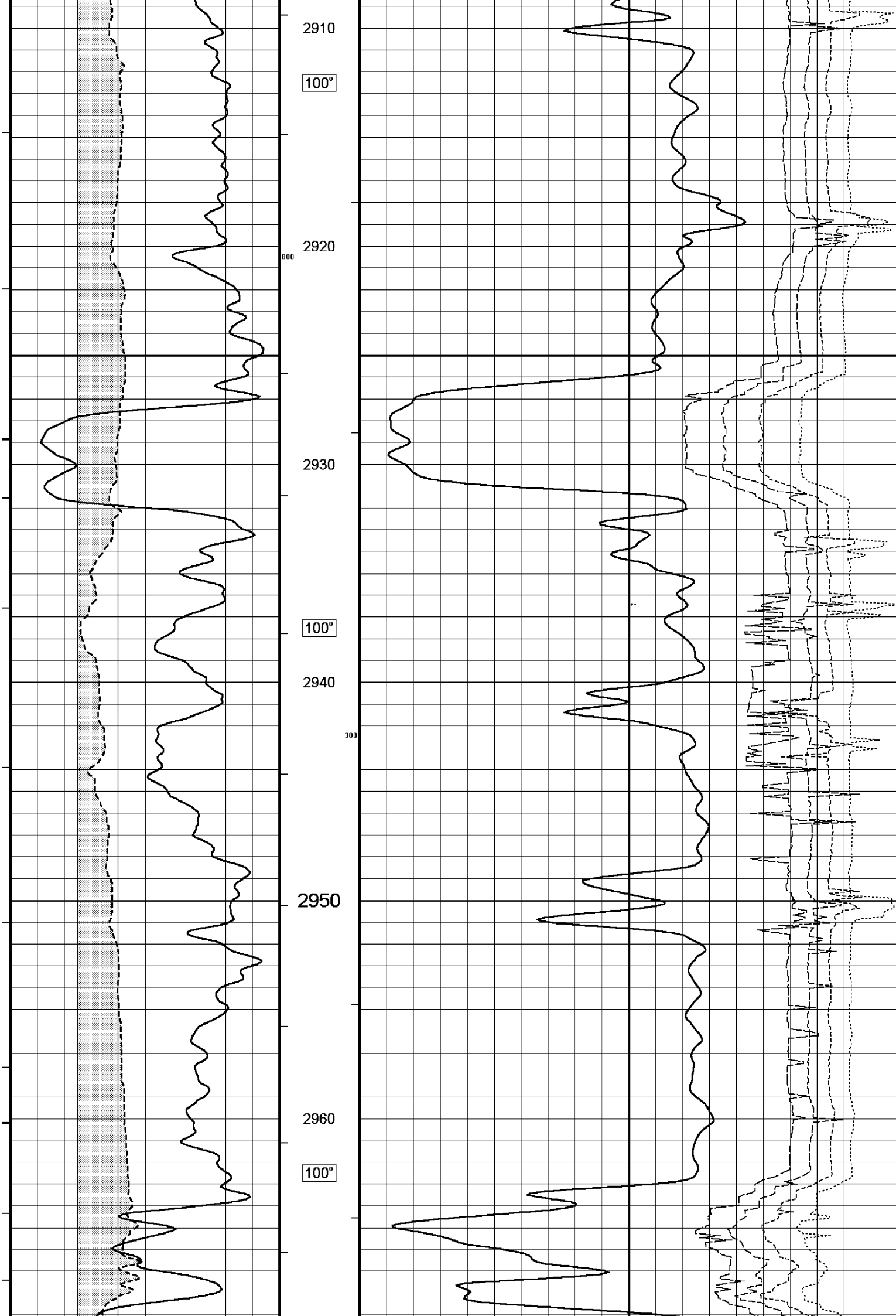


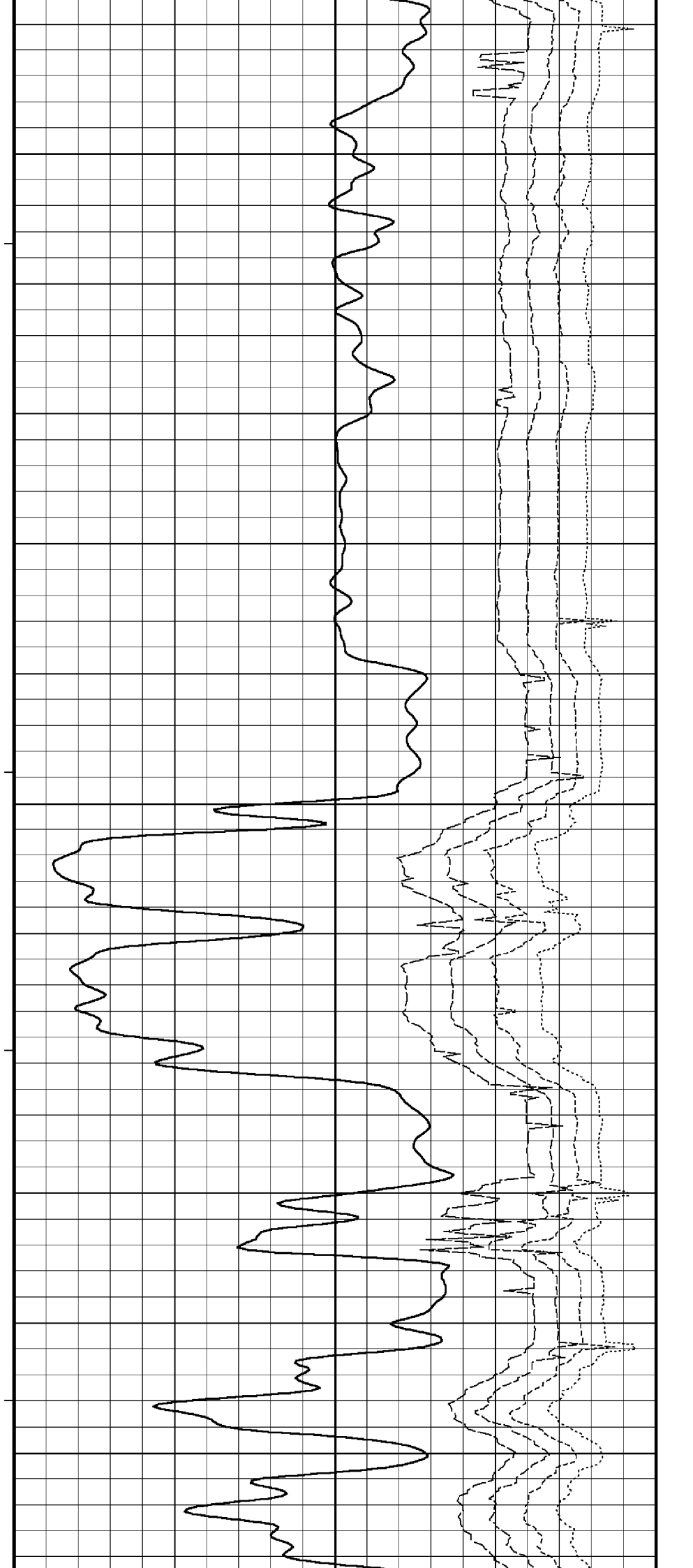


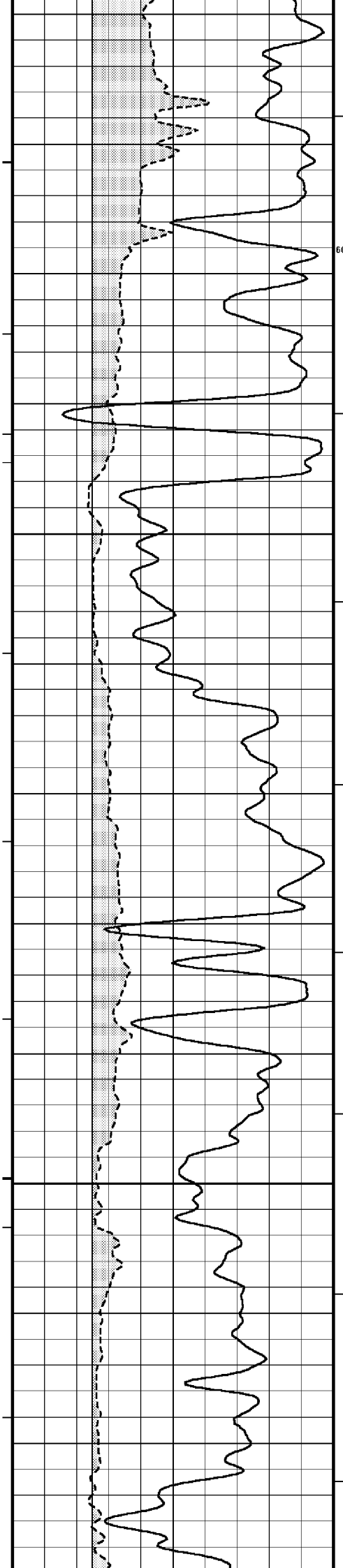




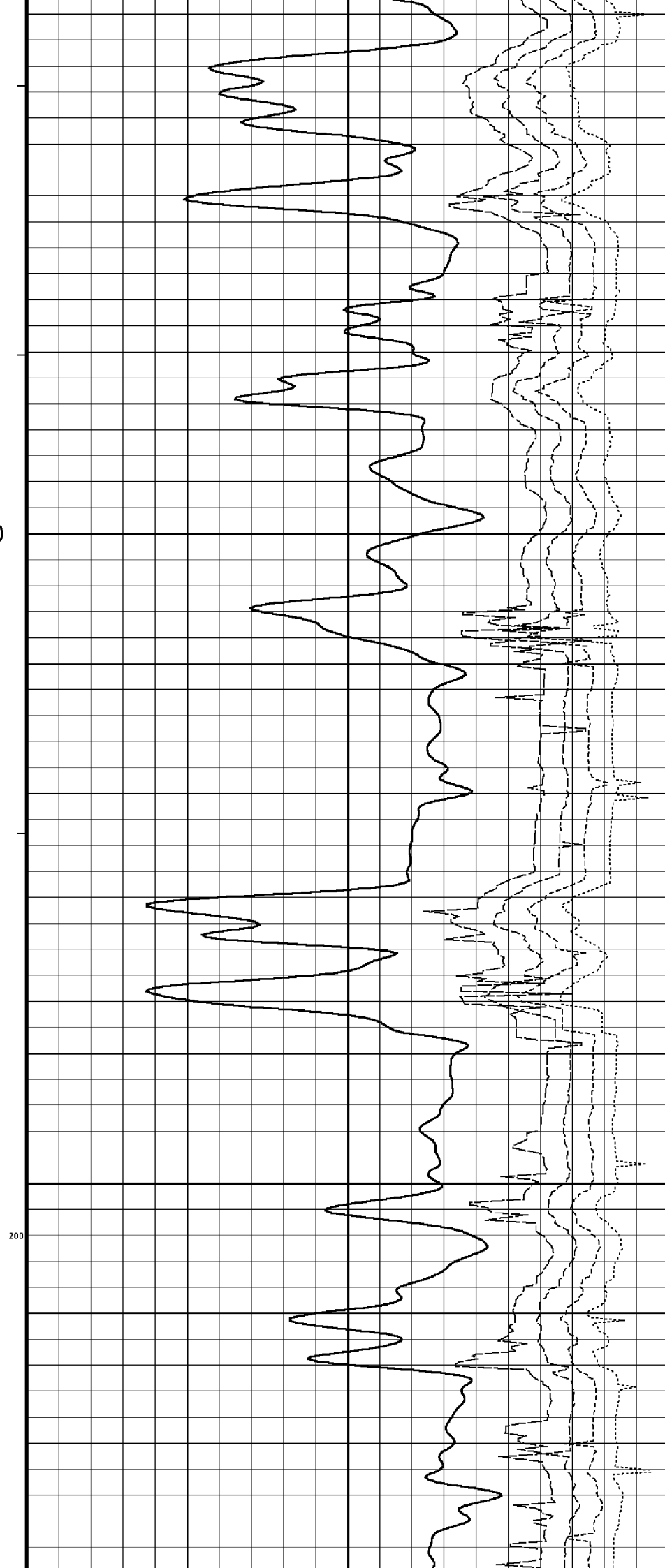


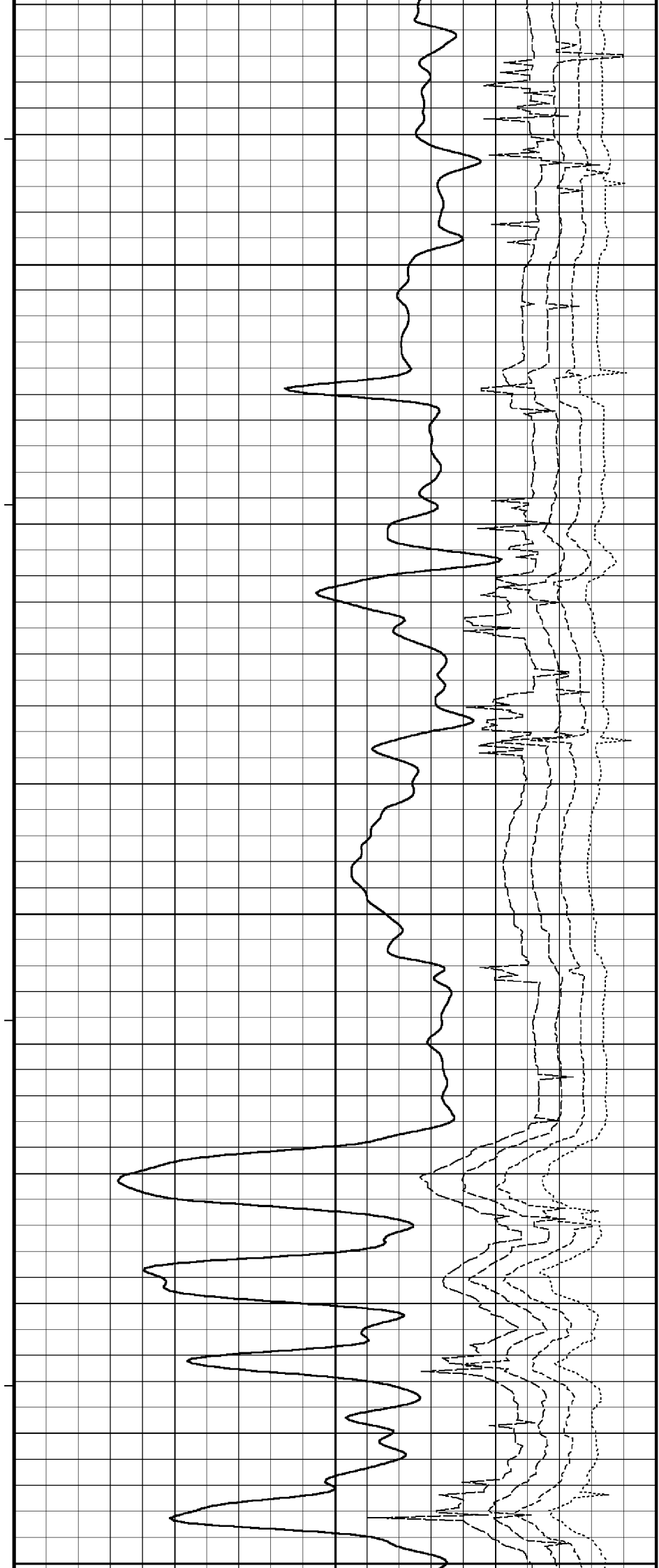
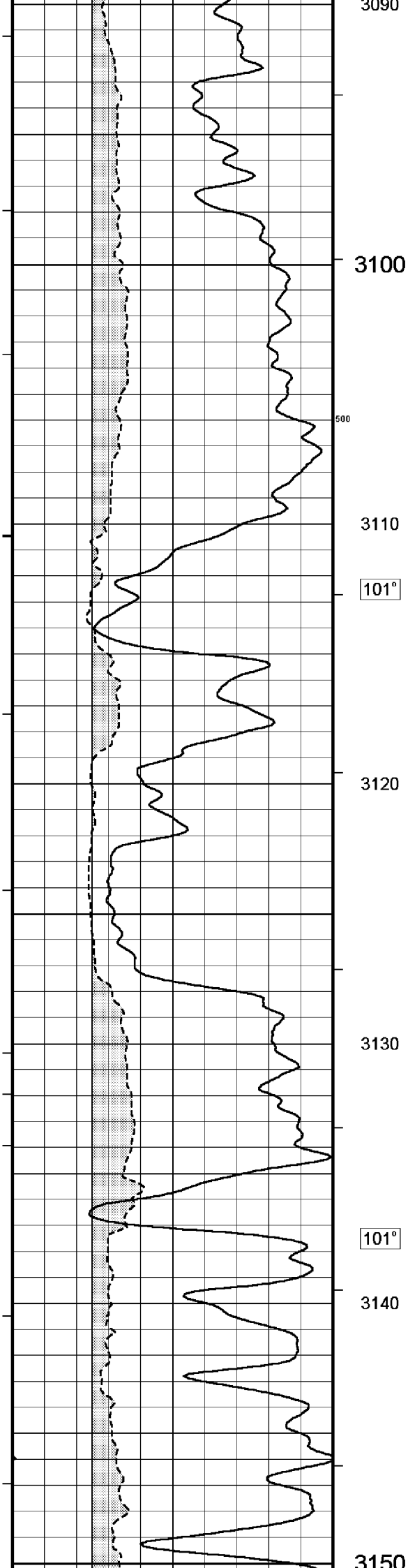


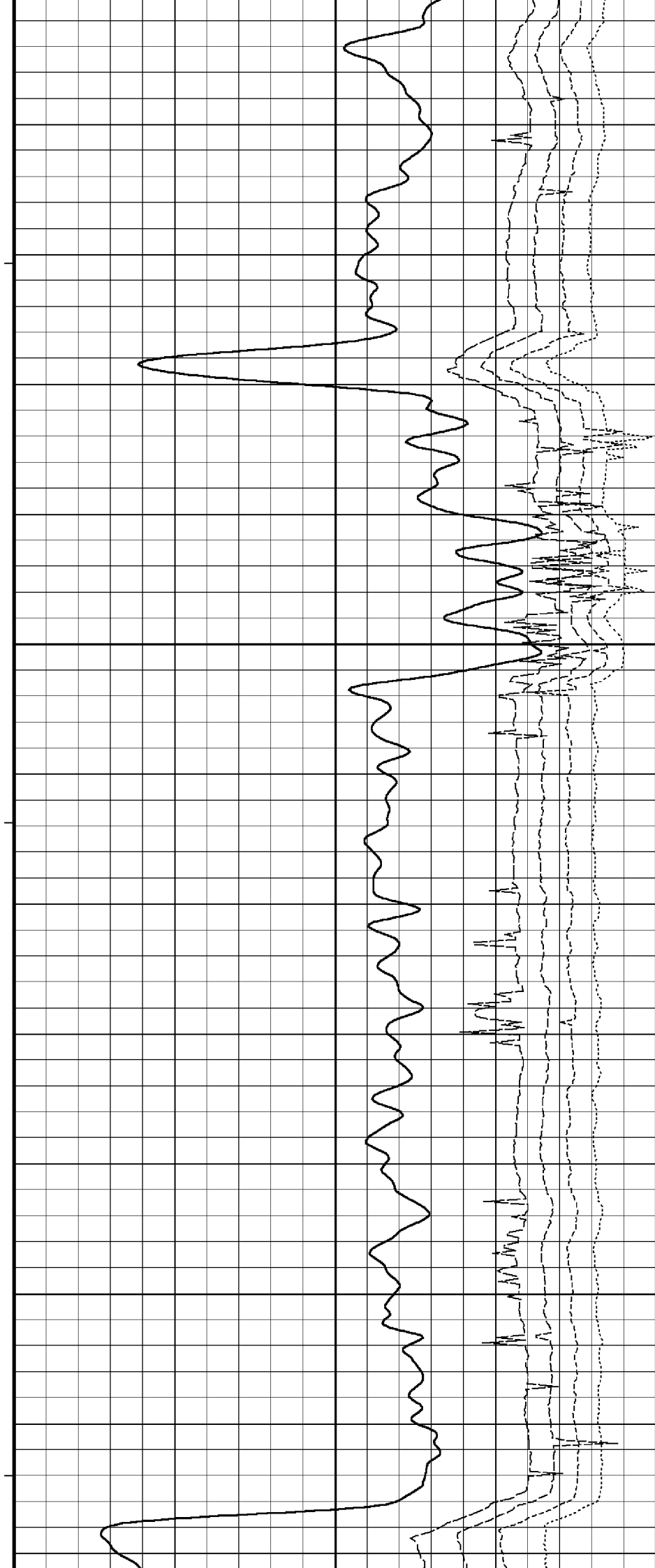
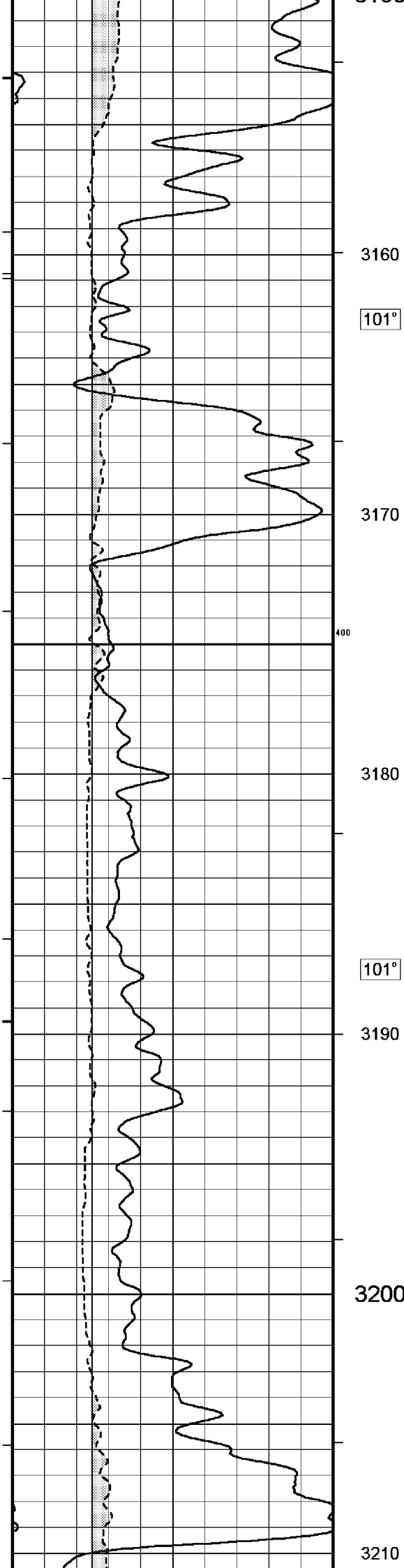


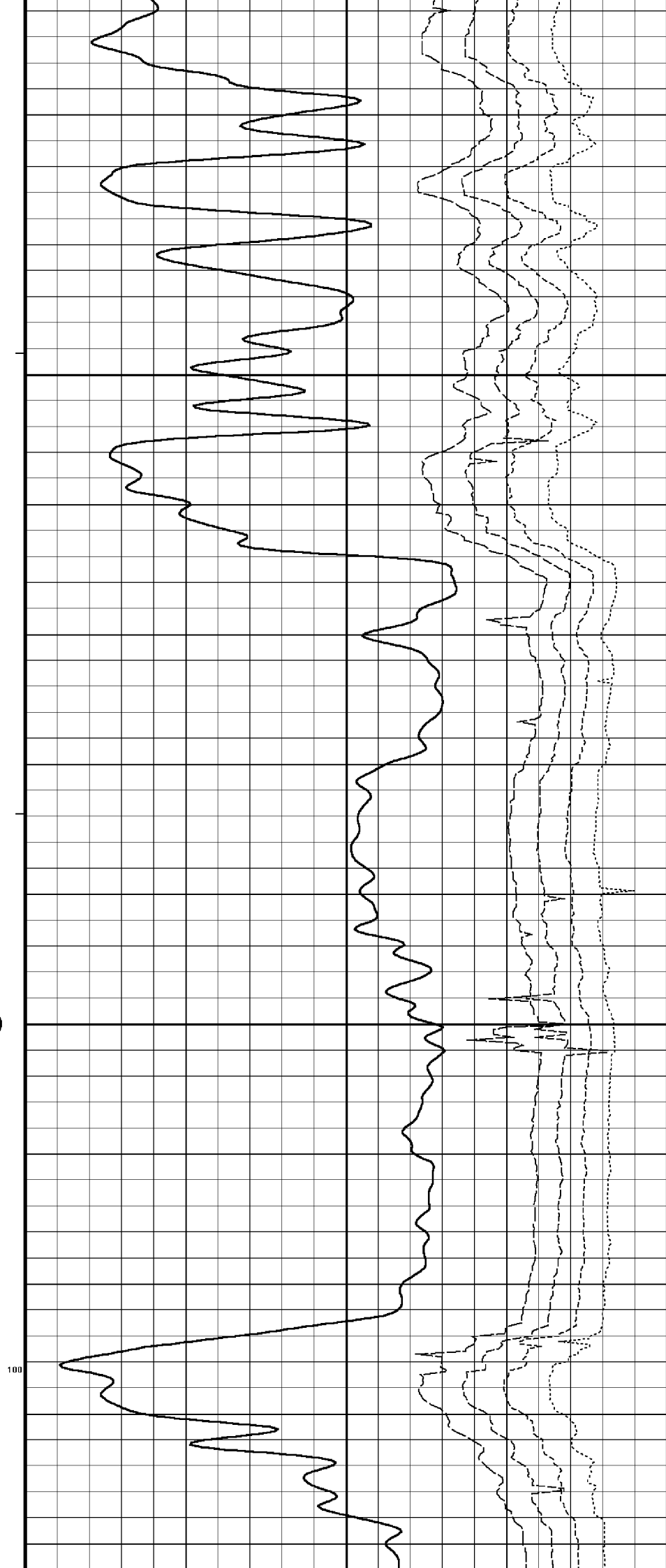
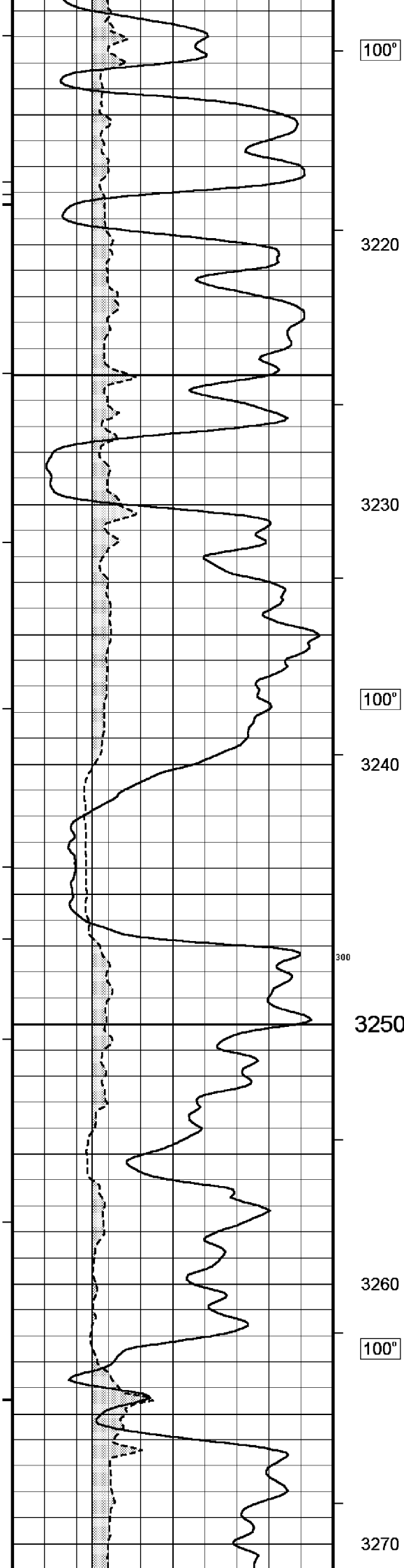


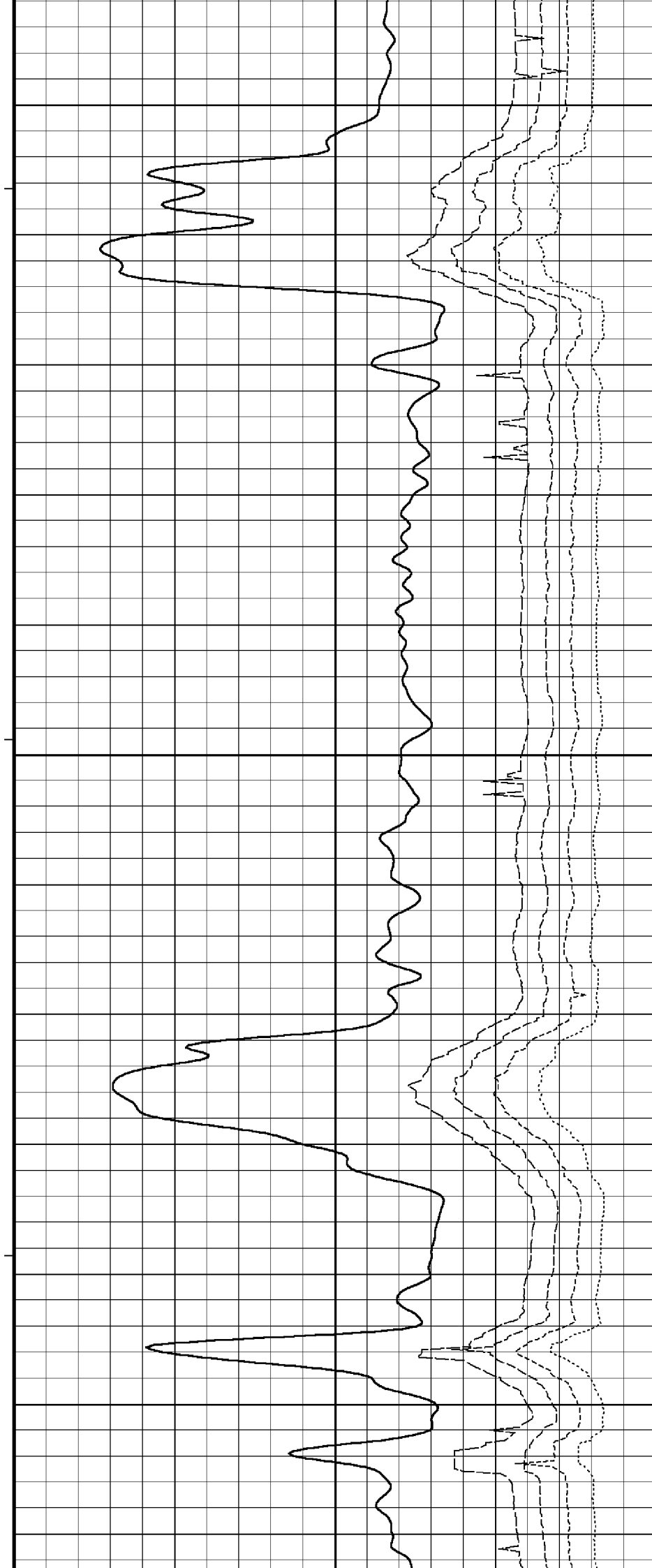
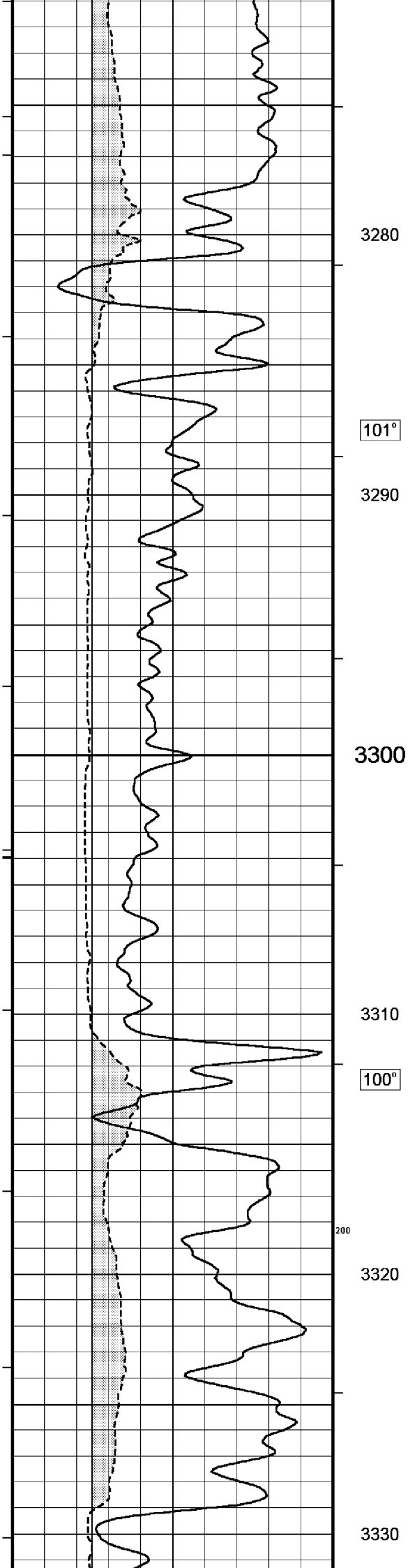
3030
101°
3040
600
3050
3060
101°
3070
200
3080
102°

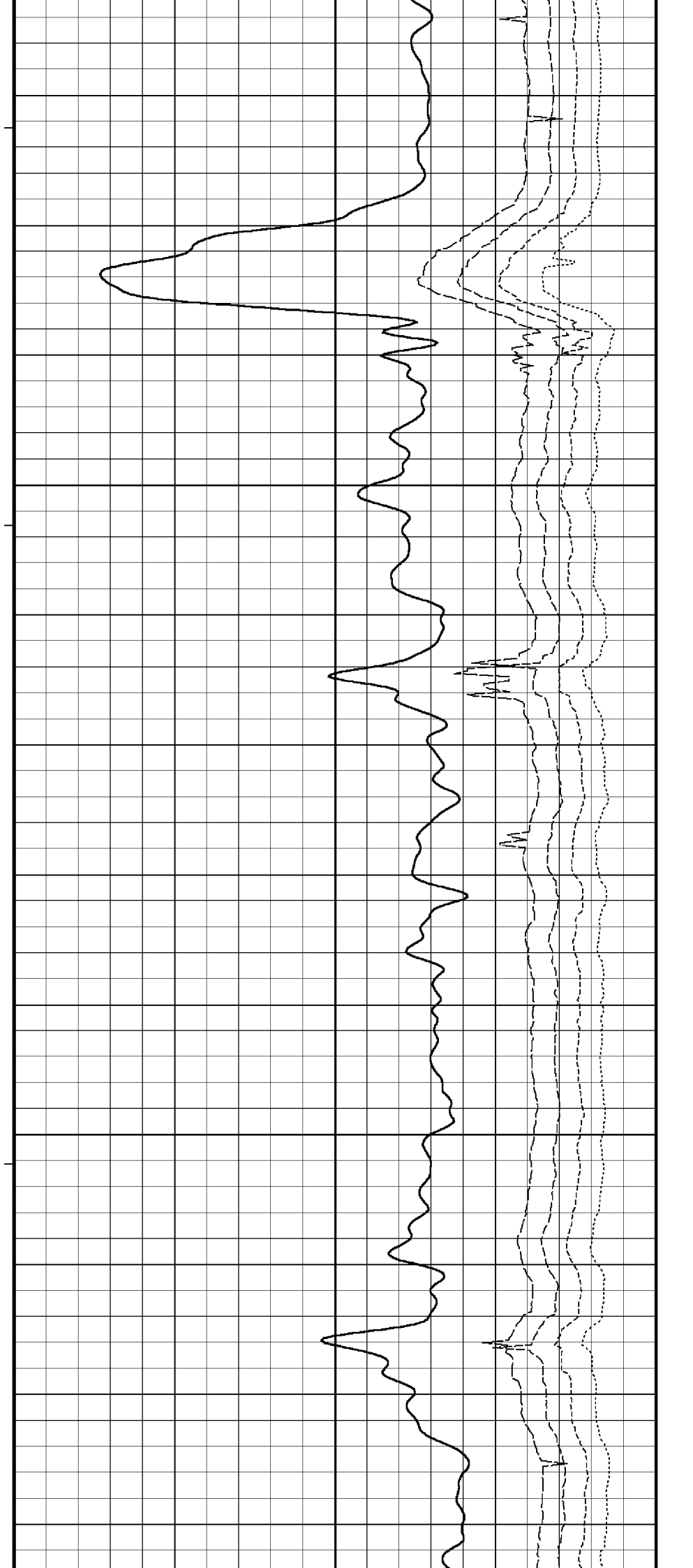
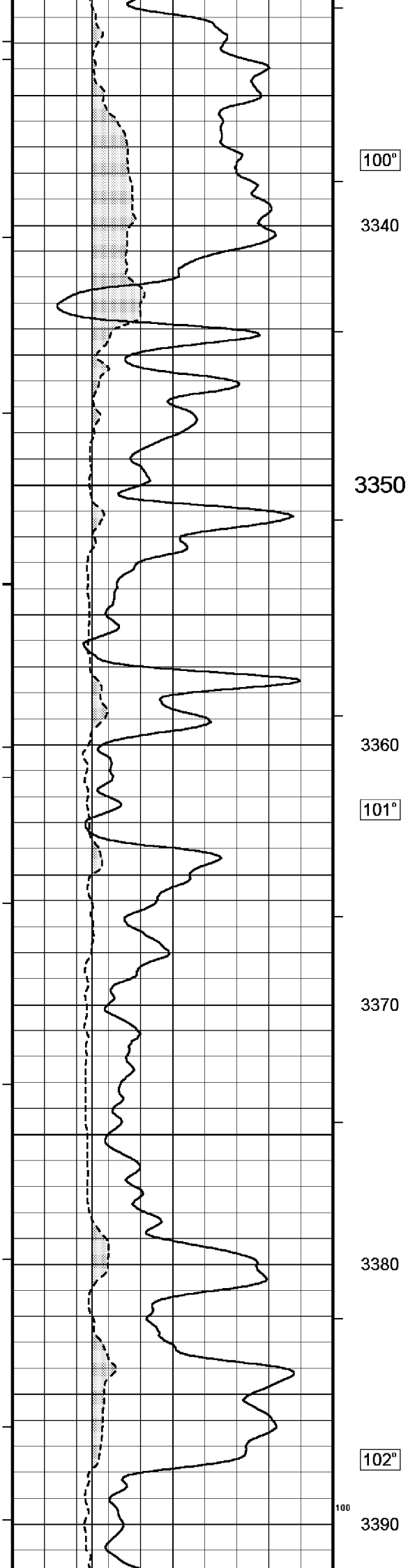


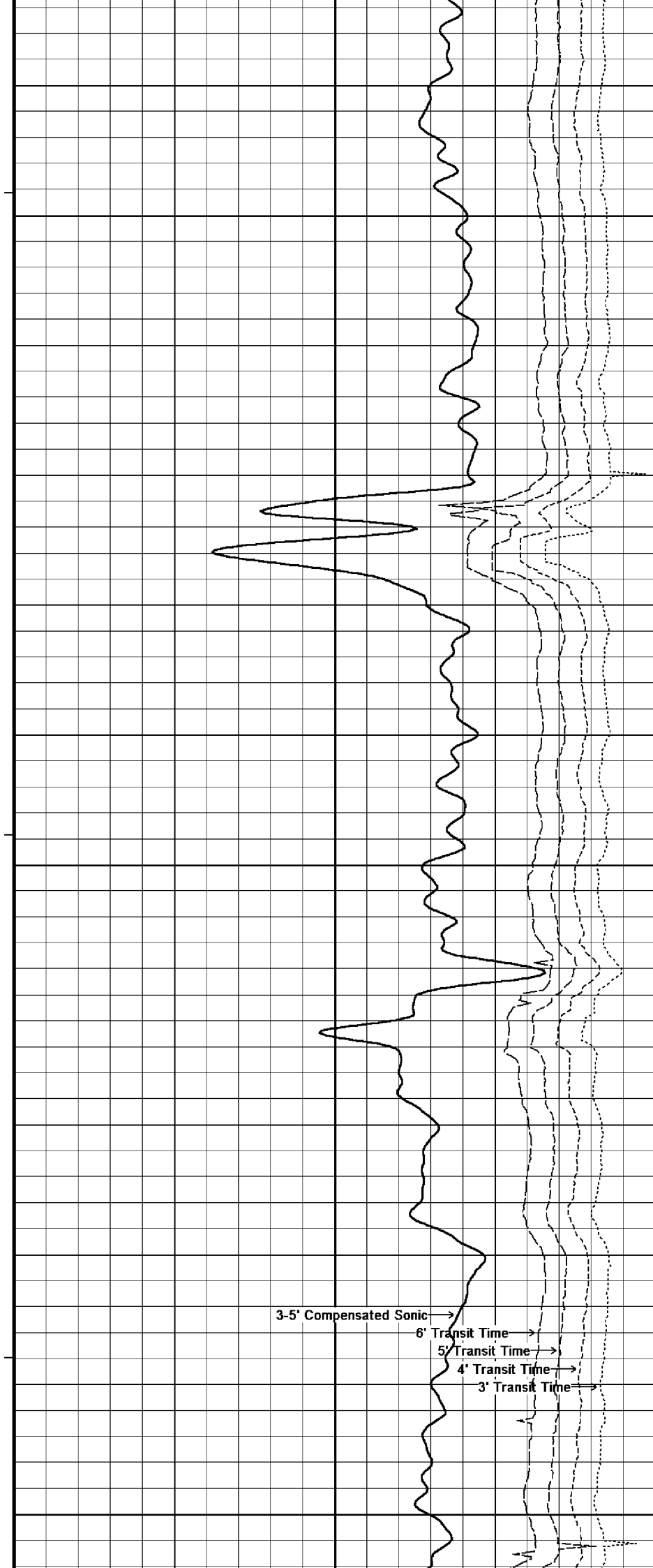
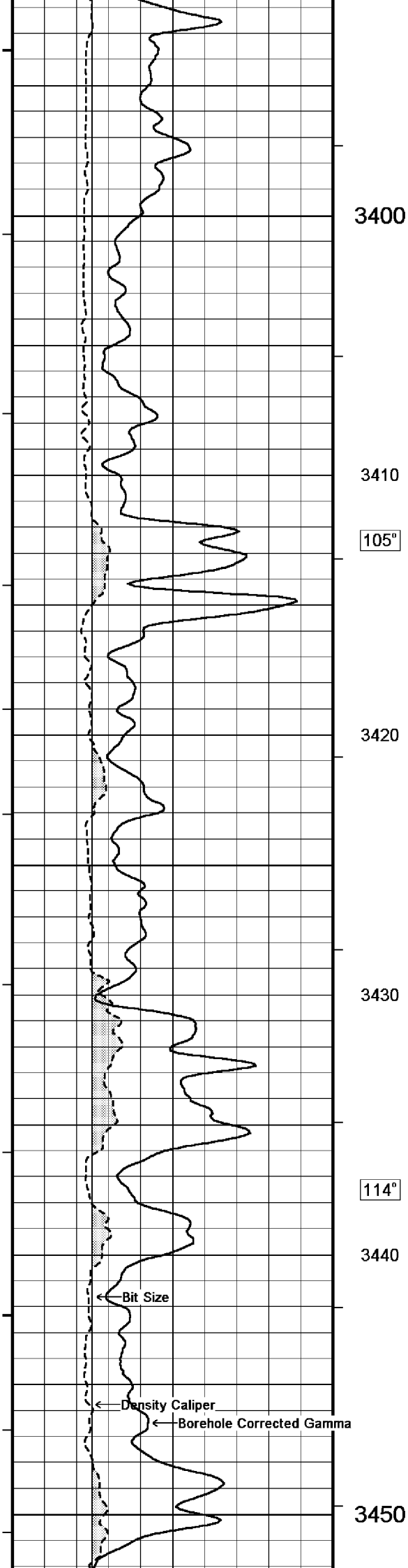


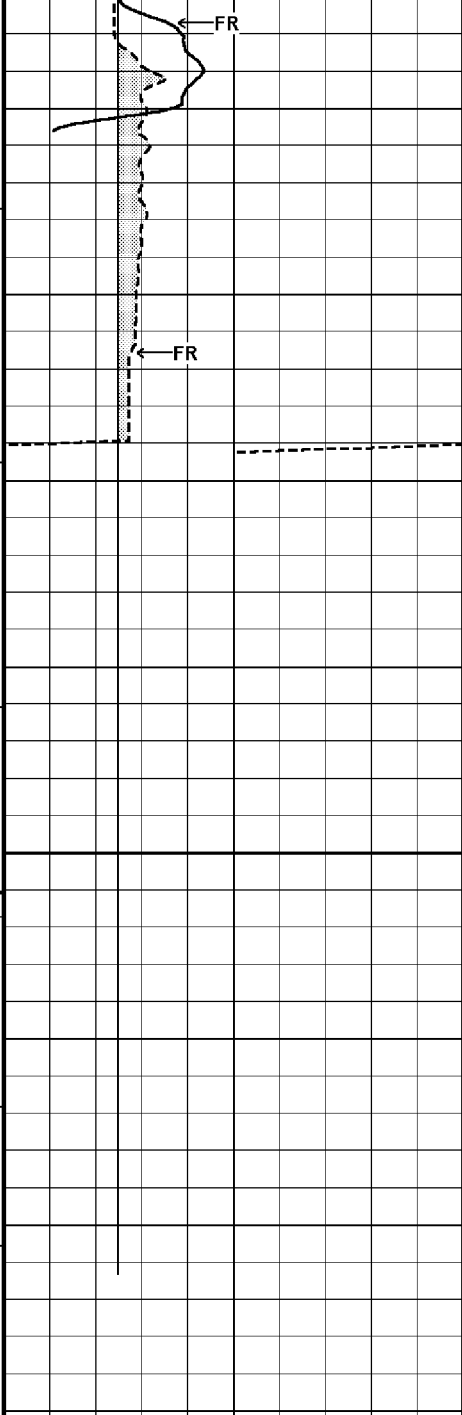










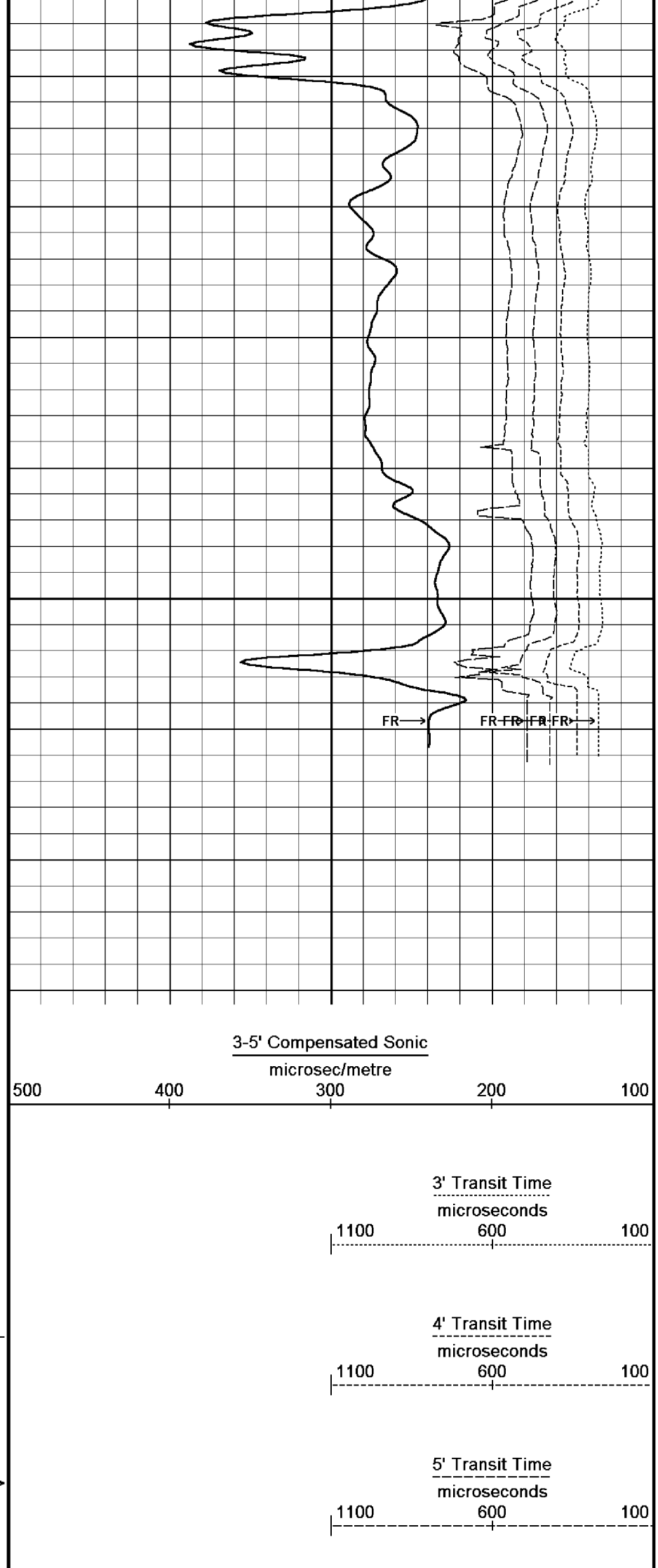
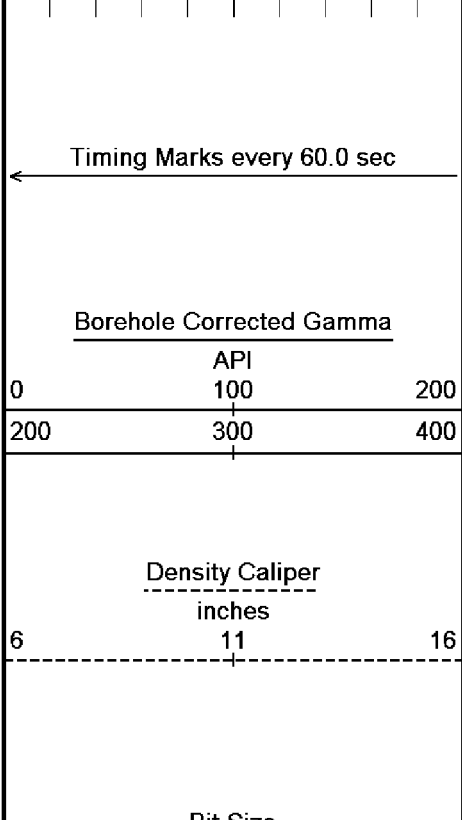


3460

3470

3480

3490
DSC
in
Metres



6	inches 11	16	Replay Scale 1:200	6' Transit Time microseconds 1100 600 100
Depth Based Data - Maximum Sampling Increment 10.0cm Plotted on 03-NOV-2004 12:09 Filename: C:\MLA A10AST\FINALS\...MLA_A10AST_Main_Log_MSS.dta Recorded on 16-SEP-2004 08:56 System Configuration Dates: Logged 09-SEP-2003: Processed 09-SEP-2003: Plotted 25-JUN-2003:				
↑	MAIN LOG 1:200			↑

BEFORE SURVEY CALIBRATION C:\MLA A10AST\FINALS\BLACK AND WHITE PRESENTATIONS\MLA_A10AST_Main_Log_MSS.dta				
General Constants All 000				
General Parameters				
Mud Resistivity	0.135	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	Density Caliper			
Annular Volume Diameter	7.000	inches		
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			
High Resolution Temperature Calibration MCG 043				
	Measured	Calibrated(Deg C)	Field Calibration on 10-FEB-2004,09:37	
Lower	0.00	0.00		
Upper	100.00	100.00		
High Resolution Temperature Constants MCG 043				
Pre-filter Length	11			
Gamma Calibration MCG 043				
	Measured	Calibrated (API)	Field Calibration on 13-SEP-2004 17:13	
Background	7	4		
Calibrator (Gross)	1404	913		
Calibrator (Net)	1397	909		
Gamma Constants MCG 043				
Gamma Calibrator Number	60			
Mud Density	1.18	gm/cc		
Caliper Source for Processing	Density Caliper			
Tool Position	Eccentred			
Concentration of KCl	0.00	kppm		
Caliper Calibration MPD 083				
Base Calibration			Base Calibration on 1-SEP-2004 10:37	
Field Calibration			Field Calibration on 13-SEP-2004 18:41	
Reading No	Measured	Calibrator Size (in)		
1	13072	4.01		
2	21358	5.99		
3	29792	7.98		
4	38288	9.94		
5	47695	12.01		
6	N/A	N/A		
Field Calibration				
	Measured Caliper (in)	Actual Caliper (in)		
	7.95	7.98		
Sonic Constants MSS 047				

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 derived TR for 3' Waveform	N/A	
Use derived TR for 4' Waveform	N/A	
Use derived TR for 5' Waveform	N/A	
Use derived TR for 6' Waveform	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

DOWNHOLE EQUIPMENT

C:\MLA A10AST\FINALS\BLACK AND WHITE PRESENTATIONS\MLA_A10AST_Main_Log_MSS.dta

Compact Swivel Head Adaptor
SHA 64 Length: 0.83 m Weight: 26.5 lb

Compact Knuckle Joint
SKJ 111 Length: 0.66 m Weight: 24.3 lb

Compact Battery Sub.
MBS 99 Length: 4.34 m Weight: 88.2 lb

Compact Inline Standoff B
MIS 144 Length: 0.65 m Weight: 15.4 lb

Compact Stiff Bridle Electrode Sub.
MBE 18 Length: 3.76 m Weight: 94.8 lb



Compact Inline Standoff B
MIS 142 Length: 0.65 m Weight: 15.4 lb

Compact Stiff Bridle Electrode Sub.
MBE 19 Length: 3.76 m Weight: 94.8 lb

Compact Inline Standoff B
MIS 141 Length: 0.65 m Weight: 15.4 lb

Thrid Bridle MBE 20
MLK 111 Length: 3.76 m Weight: 94.8 lb

Compact Inline Standoff B
MIS 140 Length: 0.65 m Weight: 15.4 lb

Compact Knuckle Joint
SKJ 110 Length: 0.66 m Weight: 24.3 lb

Compact Gamma
MCG 43 Length: 2.65 m Weight: 63.9 lb

Compact Memory Sub.
MMS 24 Length: 0.95 m Weight: 22.0 lb

Compact Knuckle Joint
SKJ 100 Length: 0.66 m Weight: 24.3 lb

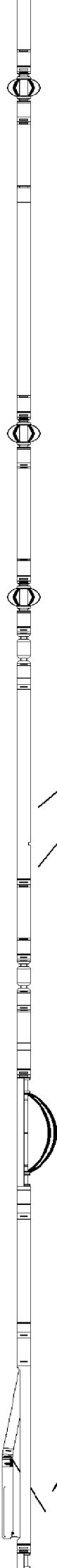
Compact Swivel Head Adaptor
SHA 71 Length: 0.83 m Weight: 26.5 lb

Compact Inline Bowspring A
MIS 94 Length: 1.74 m Weight: 33.1 lb

Compact Neutron
MDN 85 Length: 1.53 m Weight: 50.7 lb

Compact Density/Caliper
MPD 83 Length: 2.92 m Weight: 90.4 lb

Compact Inline Bowspring A



31.38 m GGCE - Borehole Corrected Gamma
30.50 m CGXT - MCG External Temperature

22.65 m AVOL - Annular Volume
22.65 m HVOL - Hole Volume
22.65 m CLDC - Density Caliper

MIS 24 Length: 1.74 m Weight: 33.1 lb

Compact Knuckle Joint
SKJ 102 Length: 0.66 m Weight: 24.3 lb

Compact Inline Standoff B
MIS 139 Length: 0.65 m Weight: 15.4 lb

Compact Upper Guard Sub.
MUG 5 Length: 2.74 m Weight: 68.3 lb

Compact Inline Standoff B
MIS 136 Length: 0.65 m Weight: 15.4 lb

Compact Laterolog Electrode Sub.
MLE 17 Length: 3.76 m Weight: 92.6 lb

Compact Inline Standoff B
MIS 133 Length: 0.65 m Weight: 15.4 lb

Compact Lower Guard Sub.
MLG 7 Length: 2.44 m Weight: 55.1 lb

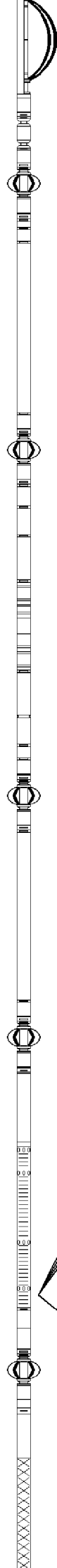
Compact Inline Standoff B
MIS 130 Length: 0.65 m Weight: 15.4 lb

Compact Sonic
MSS 47 Length: 3.82 m Weight: 72.8 lb

Compact Inline Standoff B
MIS 132 Length: 0.65 m Weight: 15.4 lb

Compact Induction
MAI 39 Length: 3.29 m Weight: 48.5 lb

Pressure Bung + Hole Finder



4.60 m TR21 - 3' Transit Time
4.60 m TR12 - 6' Transit Time
4.60 m TR22 - 5' Transit Time
4.60 m TR11 - 4' Transit Time

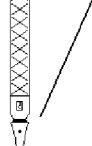
4.60 m DT35 - 3-5' Compensated Sonic

Tool Zero (0.44m from bottom)

All measurements relative to tool zero

Pressure Bung 1 Hole 1 inch
HFS 3 Length: 0.40 m Weight: 6.6 lb

Total Length: 53.77 m Weight: 1298.5 lb



All measurements relative to tool zero.

COMPANY	Esso Australia Pty Ltd
WELL	Marlin A10a ST
FIELD	Turrum
PROVINCE/COUNTY	Bass Strait
COUNTRY/STATE	Australia

Elevation Kelly Bushing		metres	First Reading	3479.45	metres
Elevation Drill Floor	27.91	metres	Depth Driller	3491.00	metres
Elevation Ground Level	-59.00	metres	Depth Logger	3484.50	metres

Reeves
Compact

COMPENSATED SONIC
1:200 MD