



PRECISION

COMPENSATED SONIC

Compact

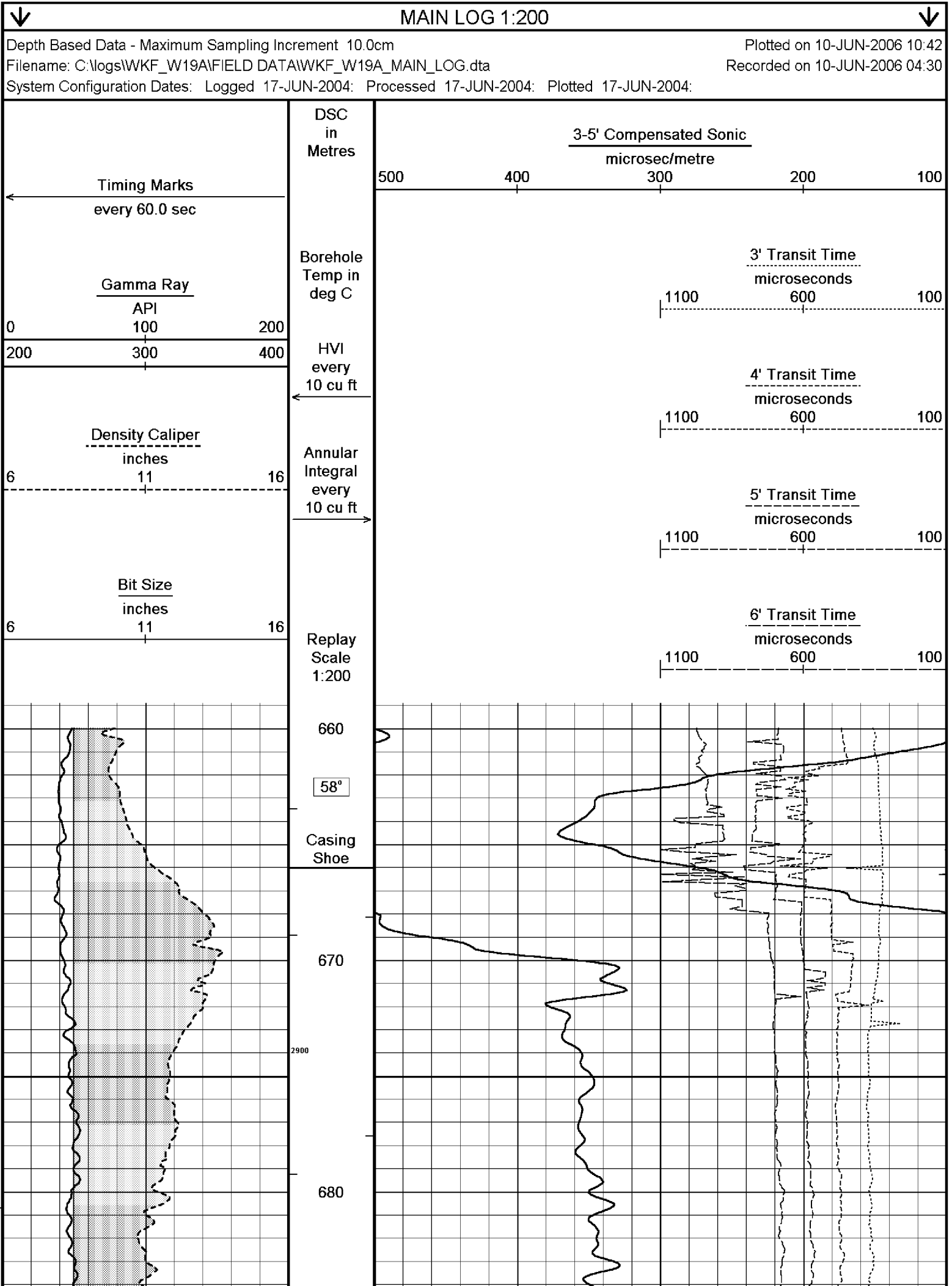
1:200 MD

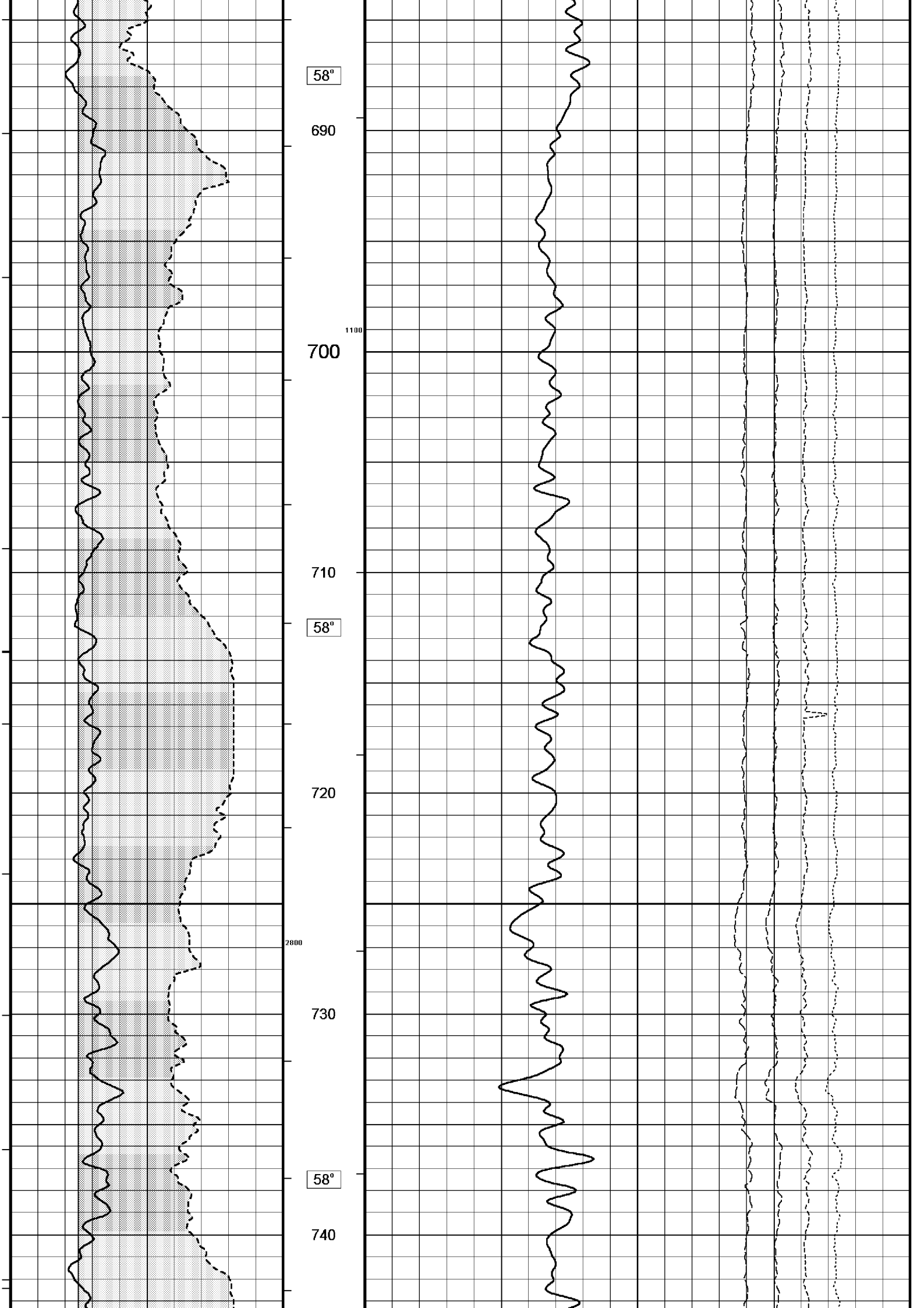
COMPANY			ESSO AUSTRALIA PTY.LTD		
WELL			WKF W19A		
FIELD			KINGFISH GDA94		
PROVINCE/COUNTY			BASS STRAIT, VICTORIA		
COUNTRY/STATE			AUSTRALIA		
LOCATION			S 38 35 34.833, E 148 6 19.318		
			N 5727806.791 m, E 596262.840 m		
			FIELD PRINT		
LSD	SEC	TWP	RGE	Other Services	
				DUAL LATEROLOG	
API Number		COMPENSATED NEUTRON			
Permit Number		PHOTO DENSITY			
Permanent Datum L				, Elevation 0.0 metres	
Log Measured From DF @ 33.4m				above Permanent Datum	
Drilling Measured From DF				Elevations: KB 33.43 metres DF 33.43 metres GL -76.13 metres	
Date	10-JUN-2006				
Run Number	ONE				
Depth Driller	2687.00			metres	
Depth Logger	2684.00			metres	
First Reading	2678.96			metres	
Last Reading	666.00			metres	
Casing Driller	666.00			metres	
Casing Logger	666.00			metres	
Bit Size	8.50			inches	
Hole Fluid Type	KCL/PHPA				
Density / Viscosity	1.13 g/cc			23.00 CP	
PH / Fluid Loss	8.80			3.40 ml/30Min	
Sample Source	FLOWLINE				
Rm @ Measured Temp	0.106 @ 25.0			ohm-m	
Rmf @ Measured Temp	0.085 @ 25.0			ohm-m	
Rmc @ Measured Temp	0.114 @ 25.0			ohm-m	
Source Rmf / Rmc	MEAS			MEAS	
Rm @ BHT	0.05 @ 79.3			ohm-m	
Time Since Circulation	37 HRS				
Max Recorded Temp	83.20			deg C	
Equipment Name	CWL				
Equipment / Base	1			SALE	
Recorded By	R L TENCH, B J R MOSS				
Witnessed By	T LOBO				
LAST CIRC	8/06 04:00			Last Line	

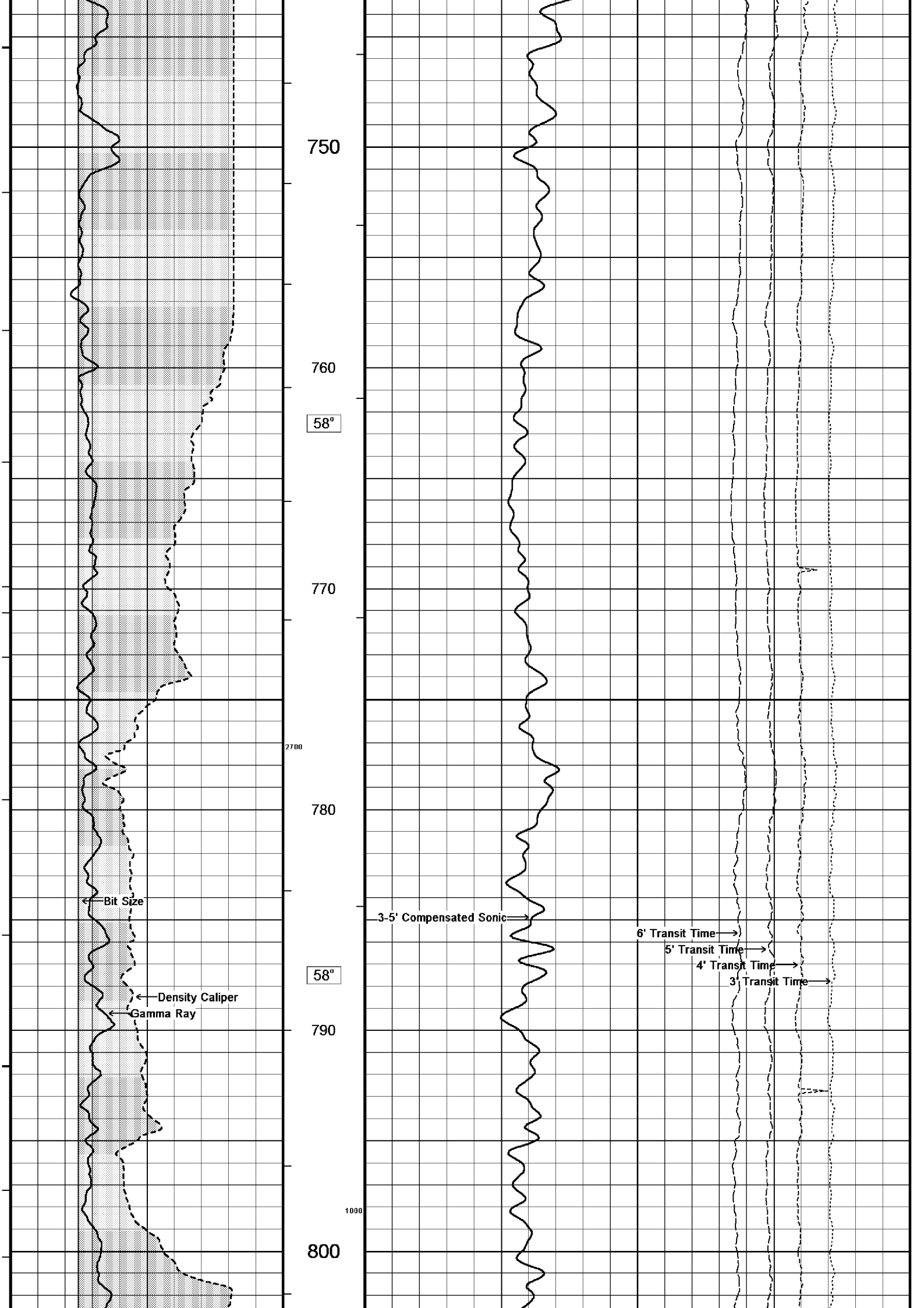
BOREHOLE RECORD				
Bit Size inches		Depth From metres		Depth To metres
8.500		666.00		2687.00
CASING RECORD				
Type	Size inches	Depth From metres	Shoe Depth metres	Weight pounds/ft
K-55	10.750	0.00	666.00	40.50

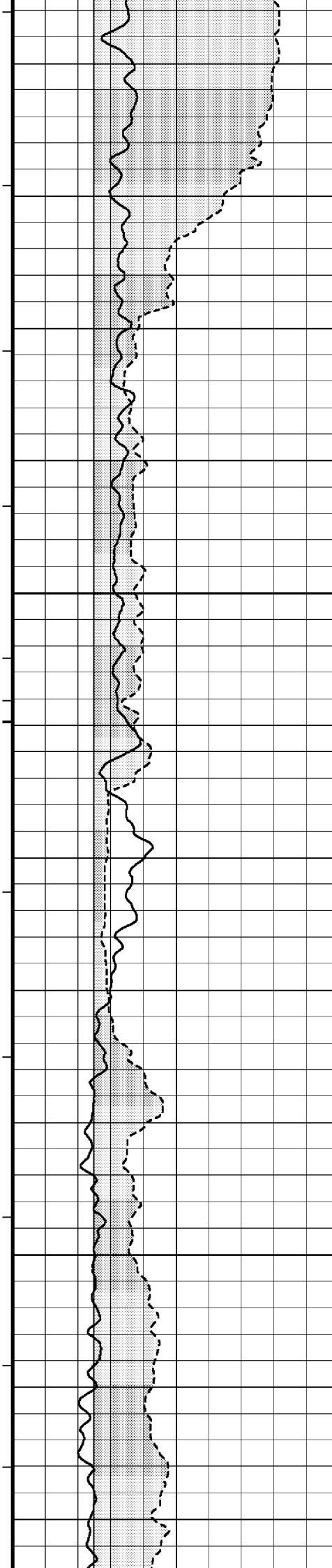
REMARKS
RIG: NABORS 453
5" SHUTTLE/MEMORY COMPACT OPERATION. CREW: R TENCH , B MOSS , B GOODWIN, M KOLCZE.
FIELD FINAL LOGS TO BE CORRELATED TO ANADRILL GAMMA LOG.
MAX. TEMPERATURE: 83.2 DEG C AT 2636 m MD MAX. INCLINATION: 37 DEG AT 665 m MD MAX. DOGLEG SERVERITY: 6.21 DEG/30m AT 696.25 m MD DEPLOYMENT ANGLE: 26.98 DEG
HVOL: 2890 FT^3 AVOL: 1120 FT^3
LOGGING SPEED 6M/MIN FROM TD TO 2439.2 M MD LOGGING SPEED 12 M/MIN FROM 2439.2 TO 1749.3 M MD LOGGING SPEED 6 M/MIN FROM 1749.3 TO 1519.3 M MD LOGGING SPEED 12 M/MIN FROM 1519.3 TO 1289.4 M MD LOGGING SPEED 6 M/MIN FROM 1289.4 TO 628.8 M MD

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.

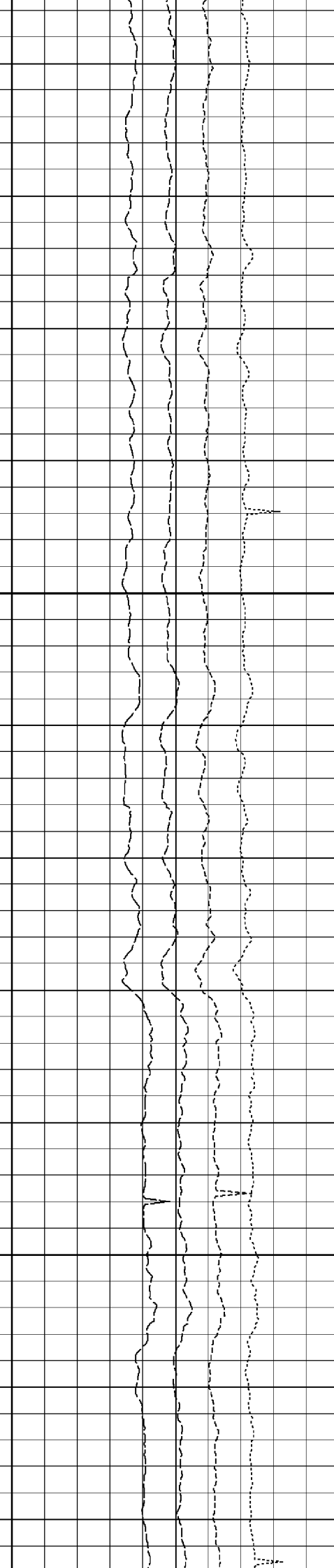
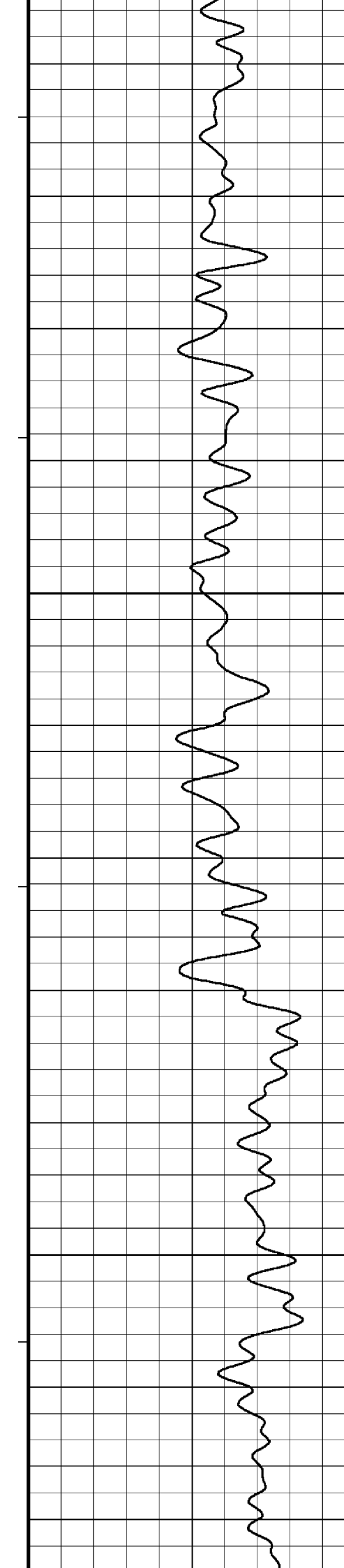


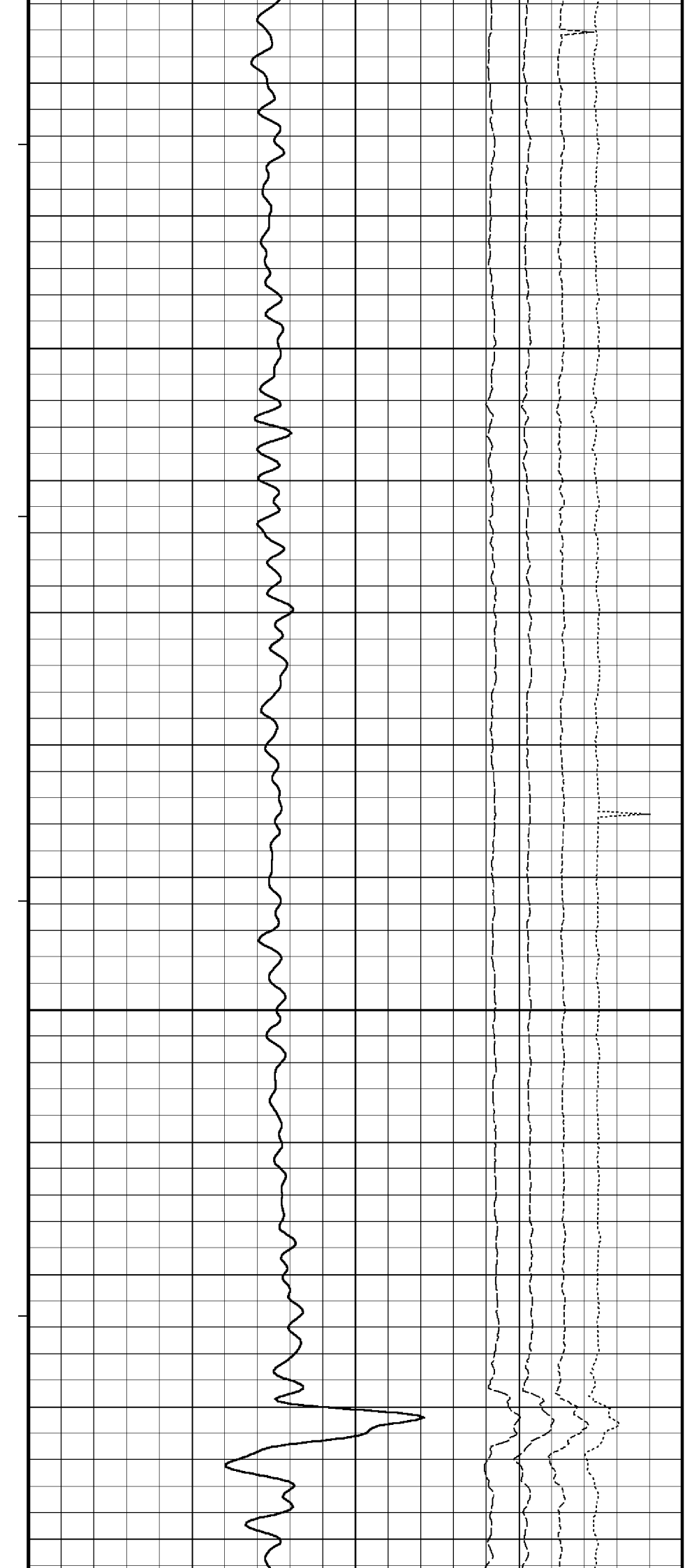
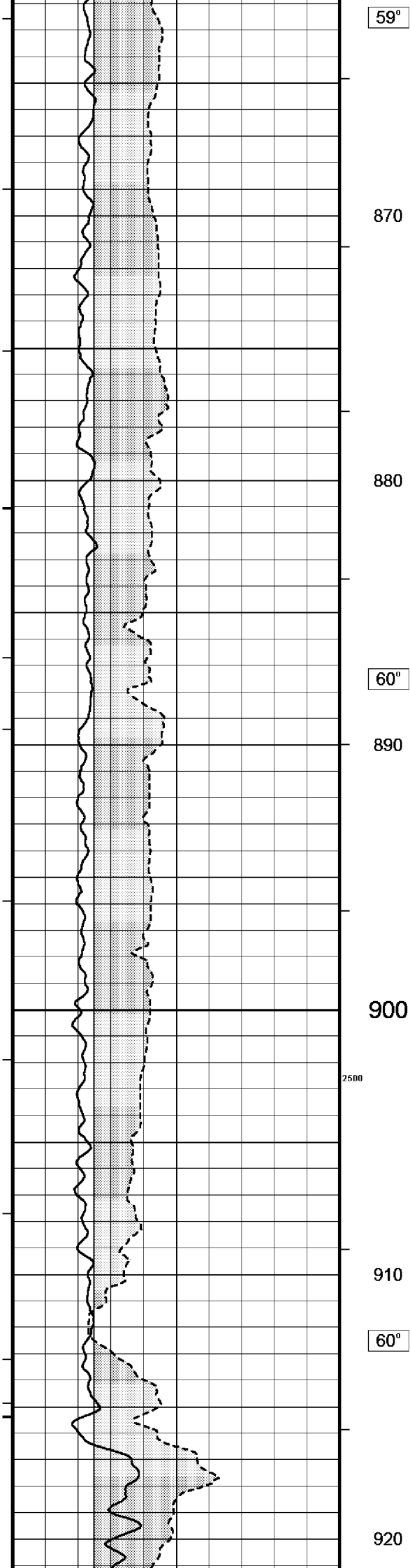


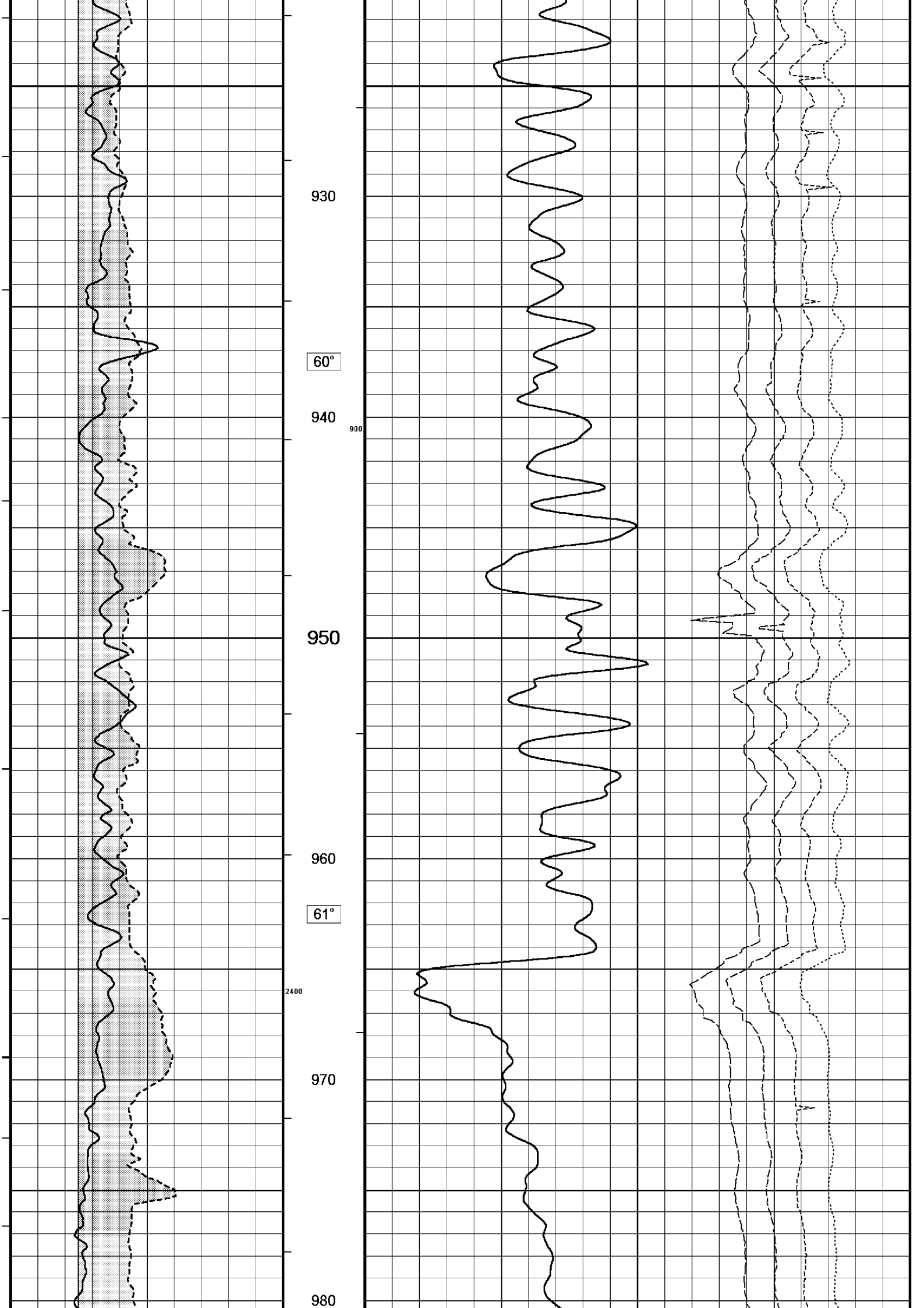


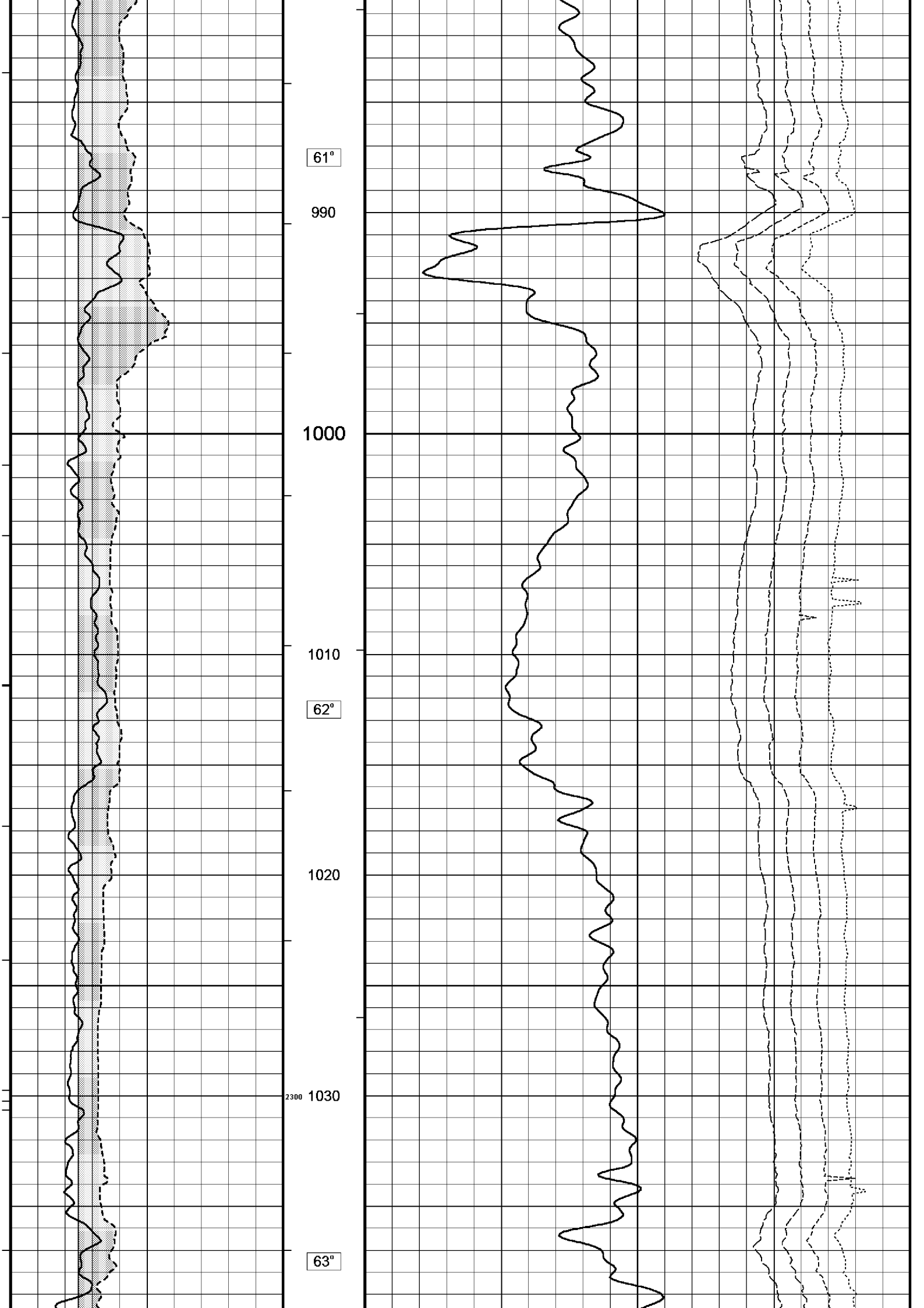


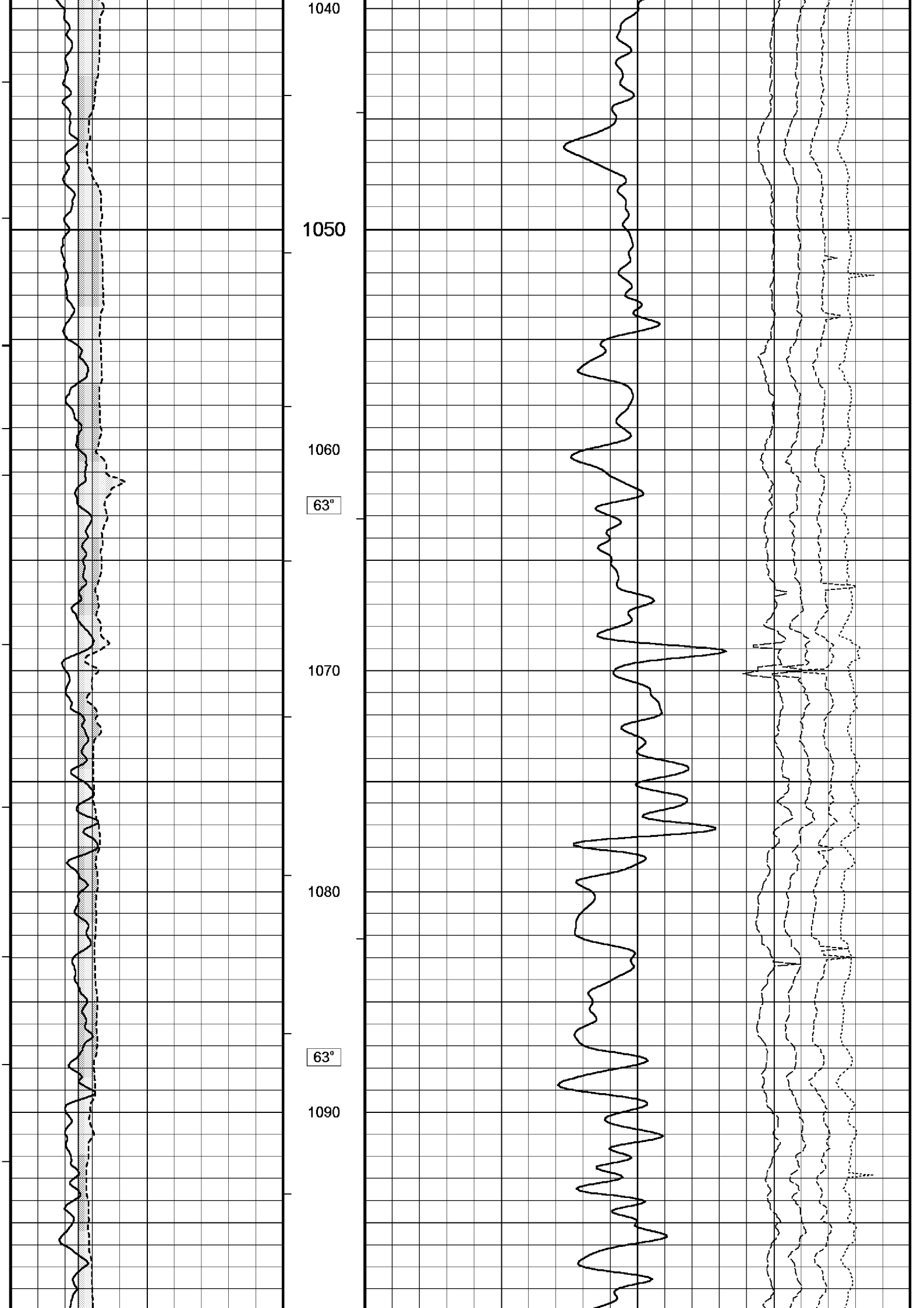
810
59°
820
830
59°
2600
840
850
860

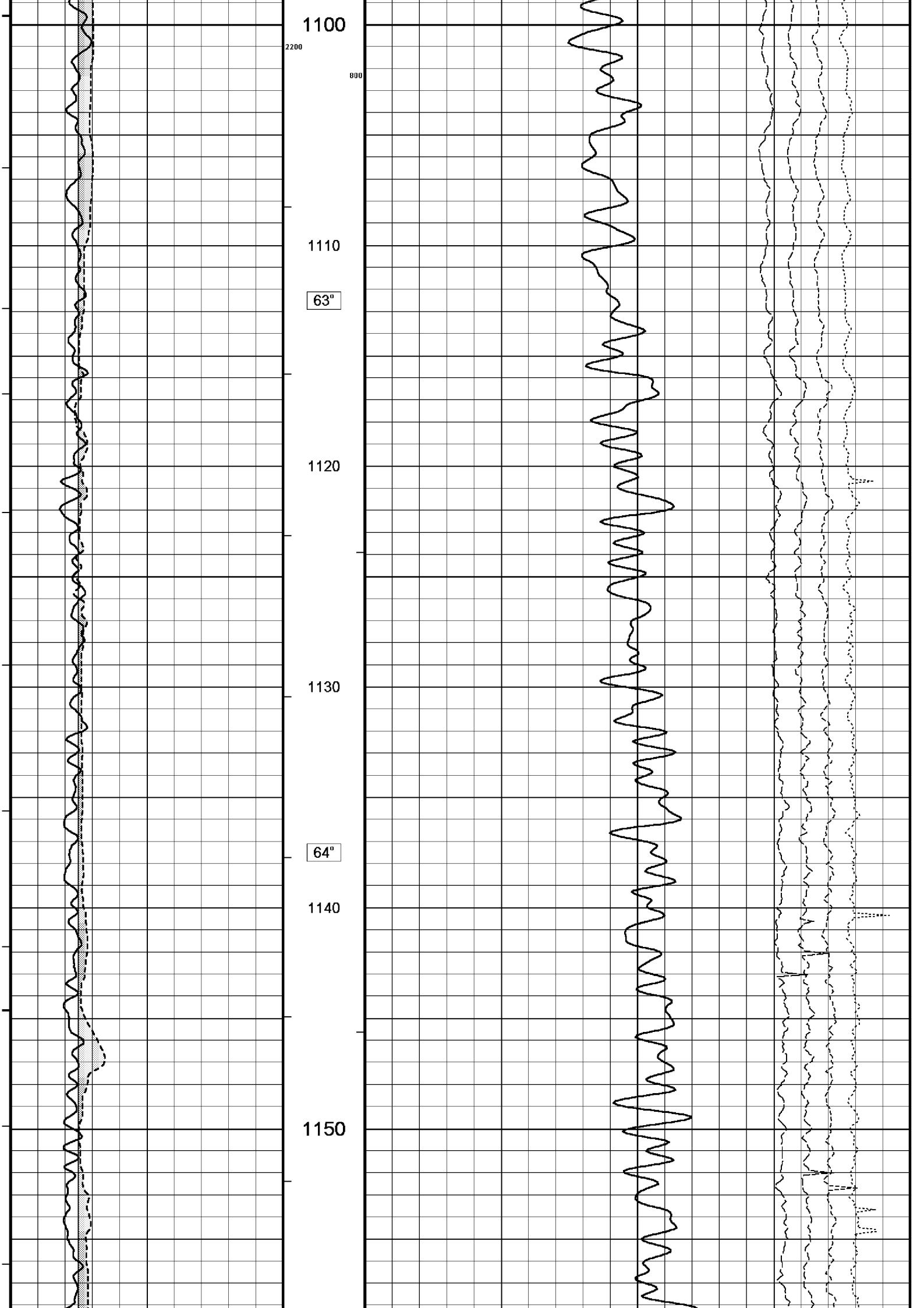


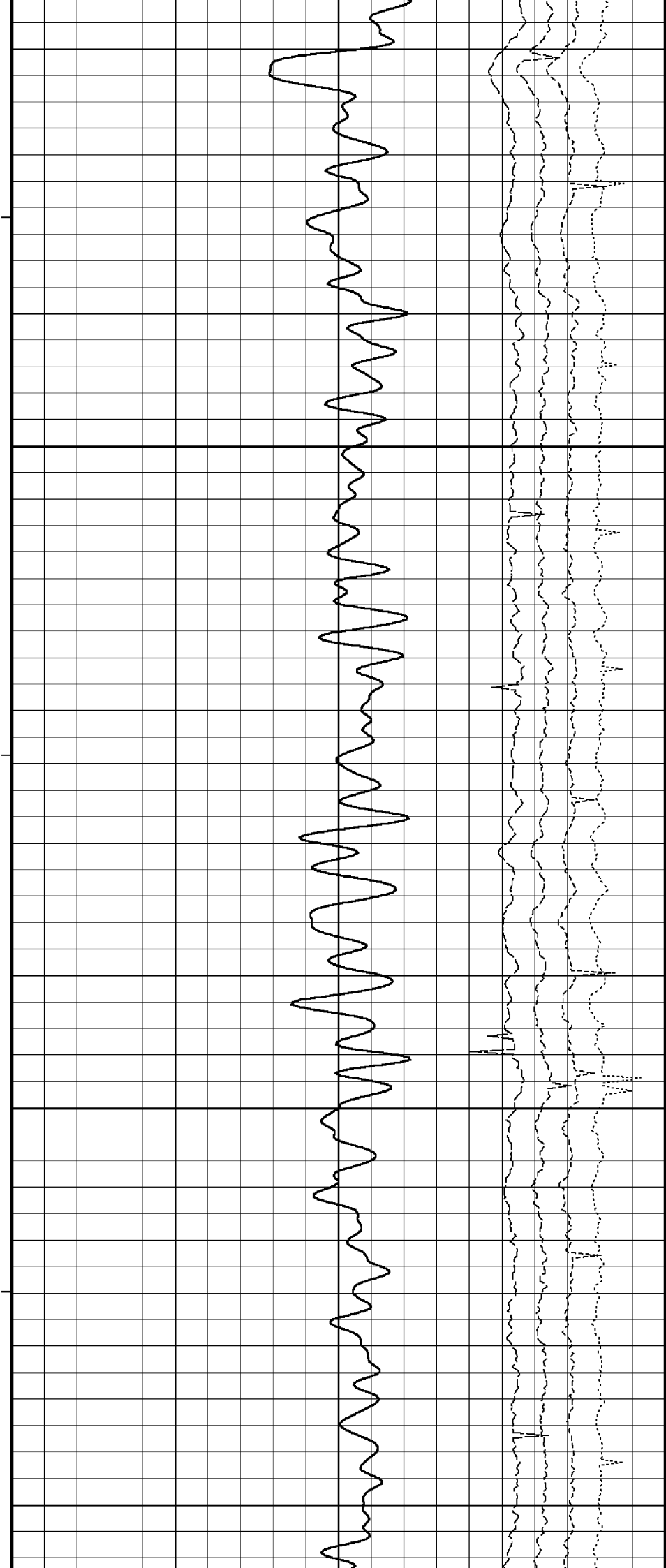
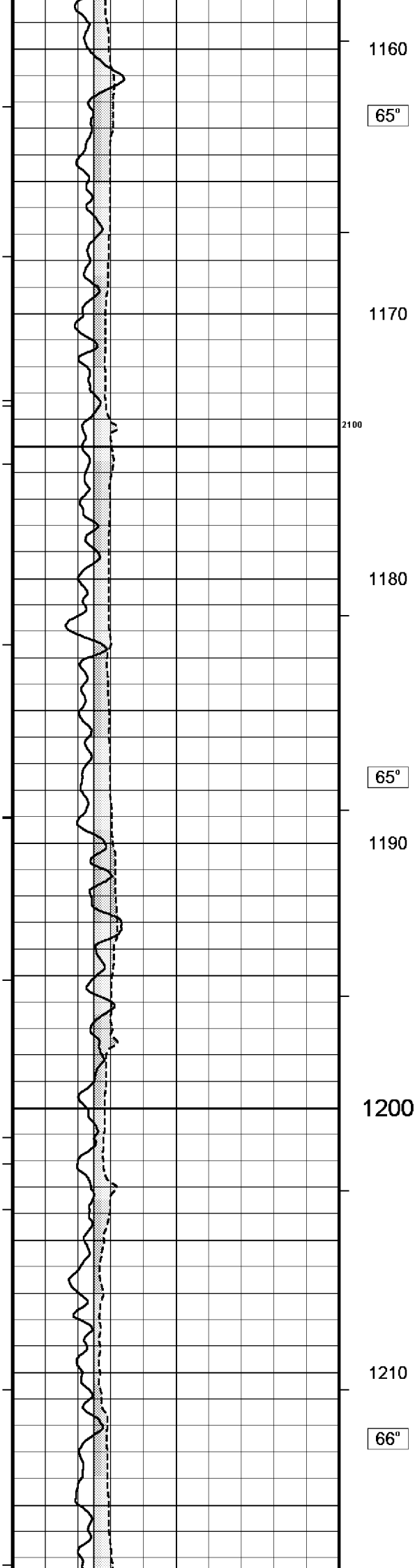


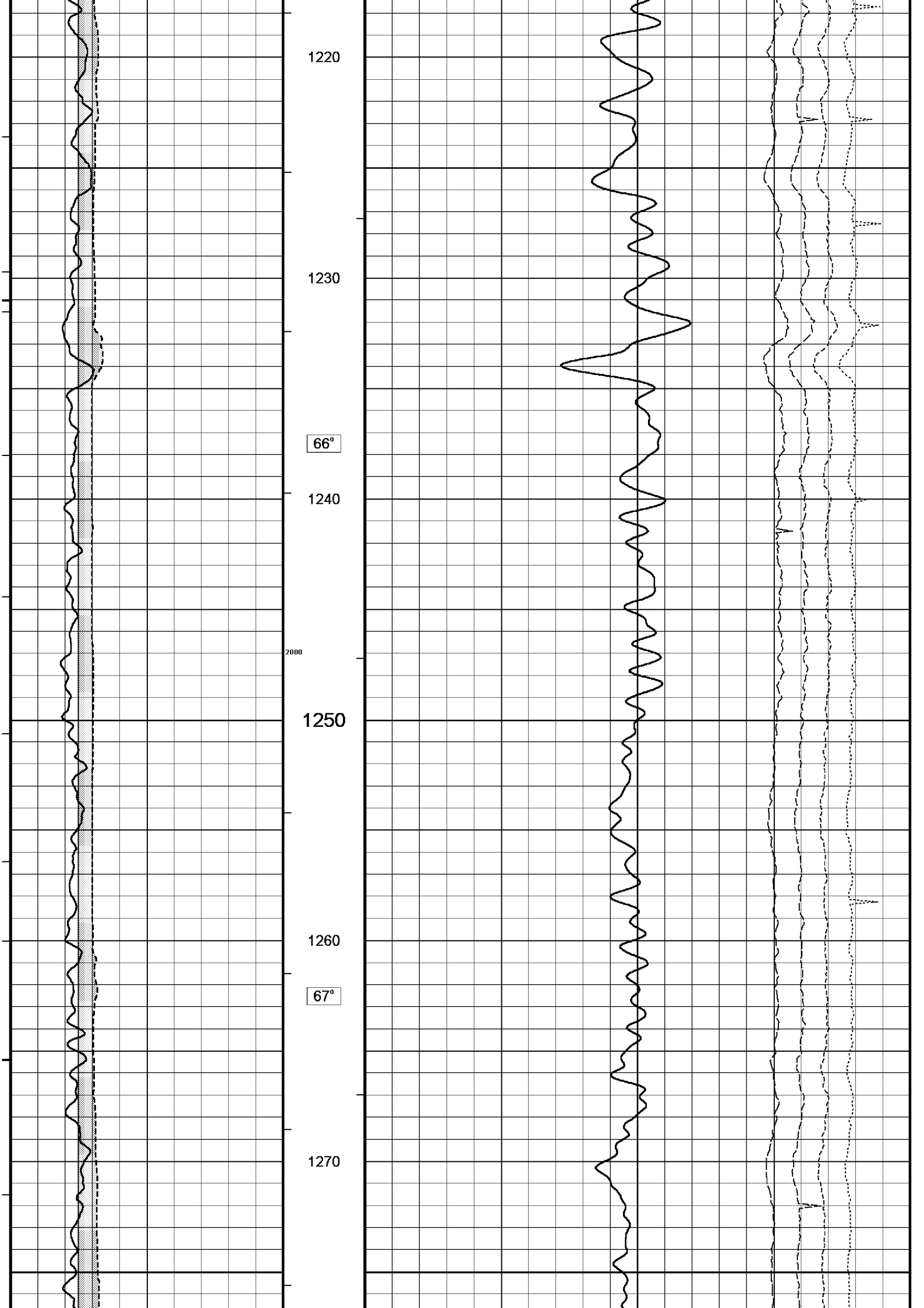


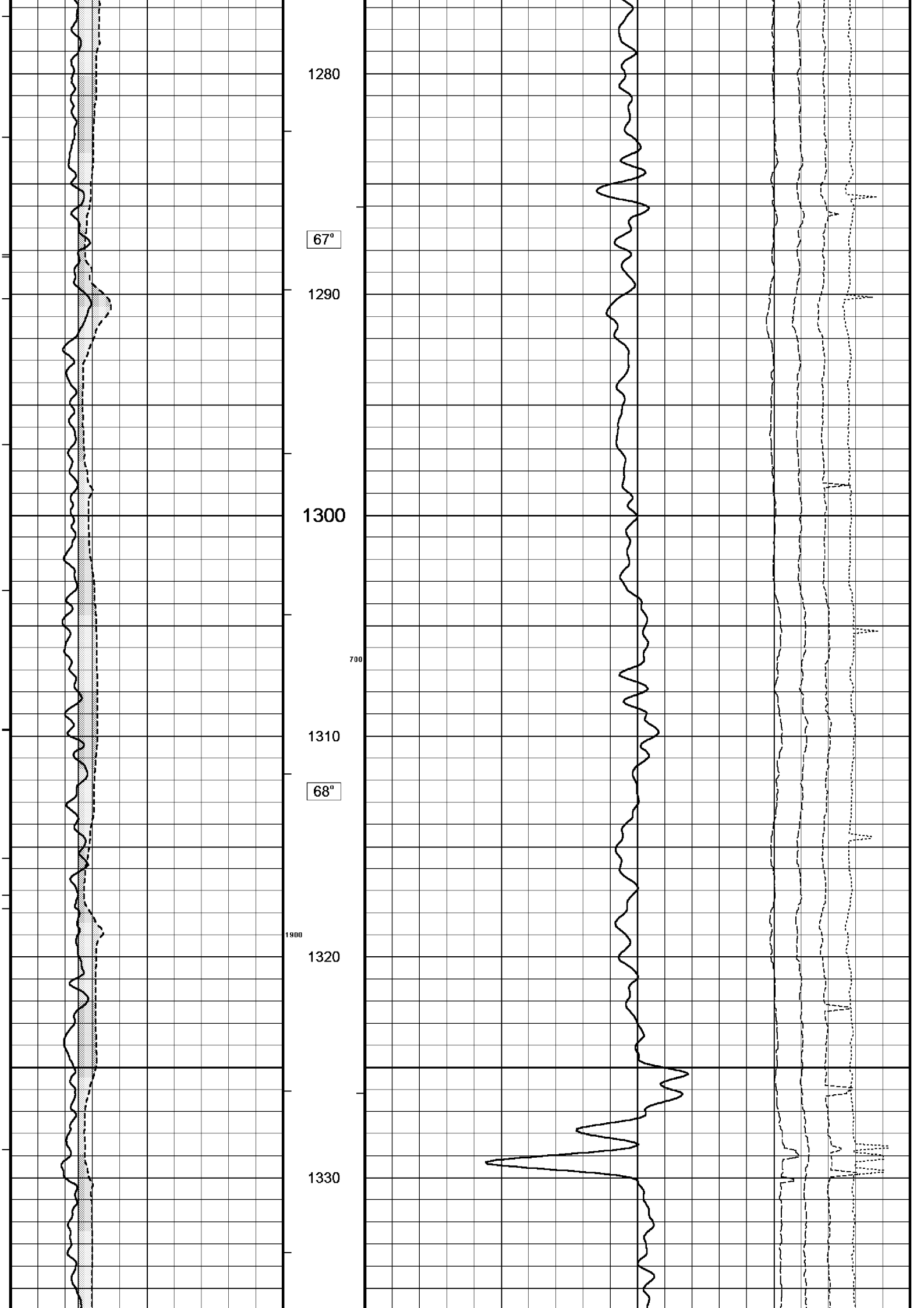


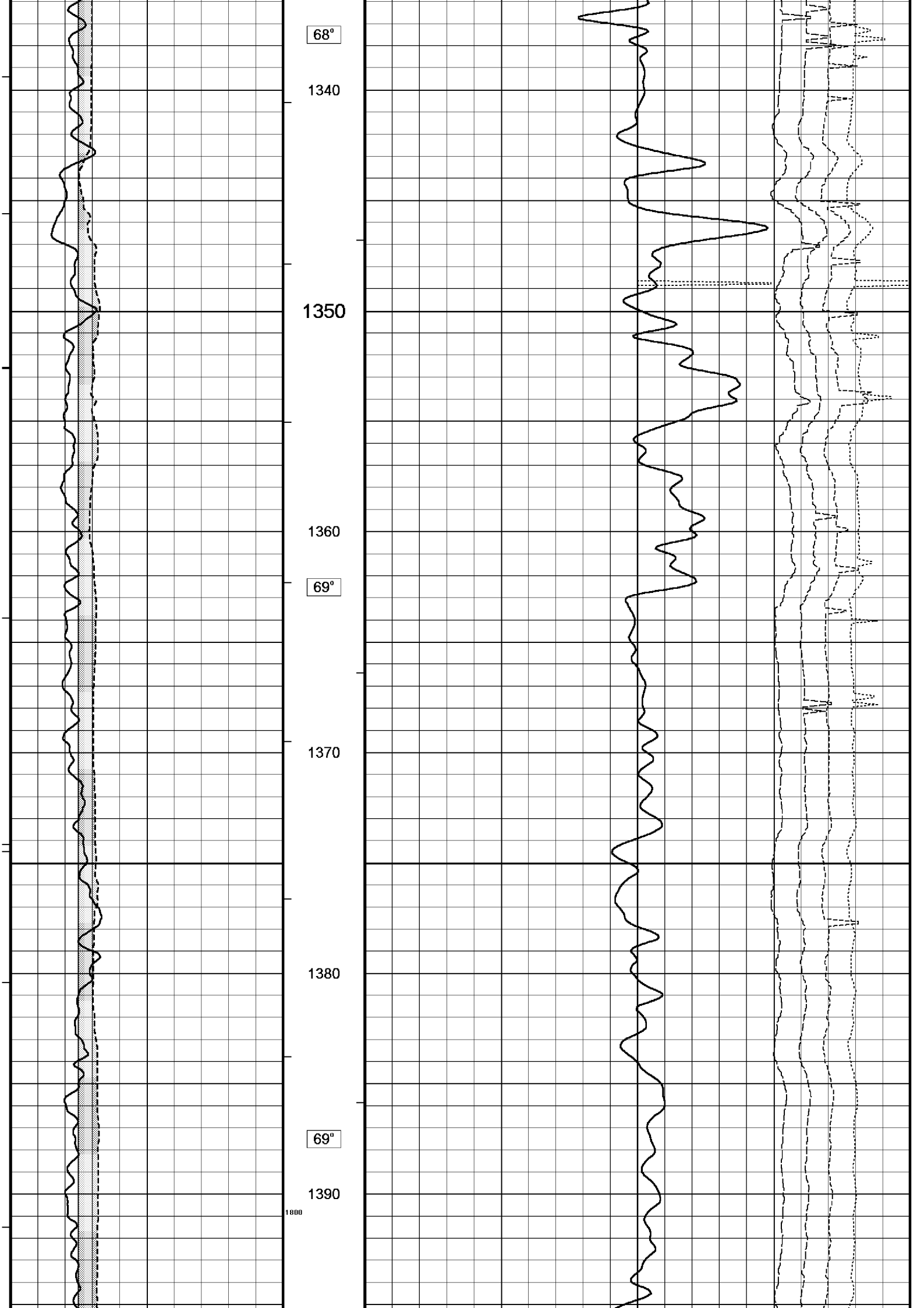


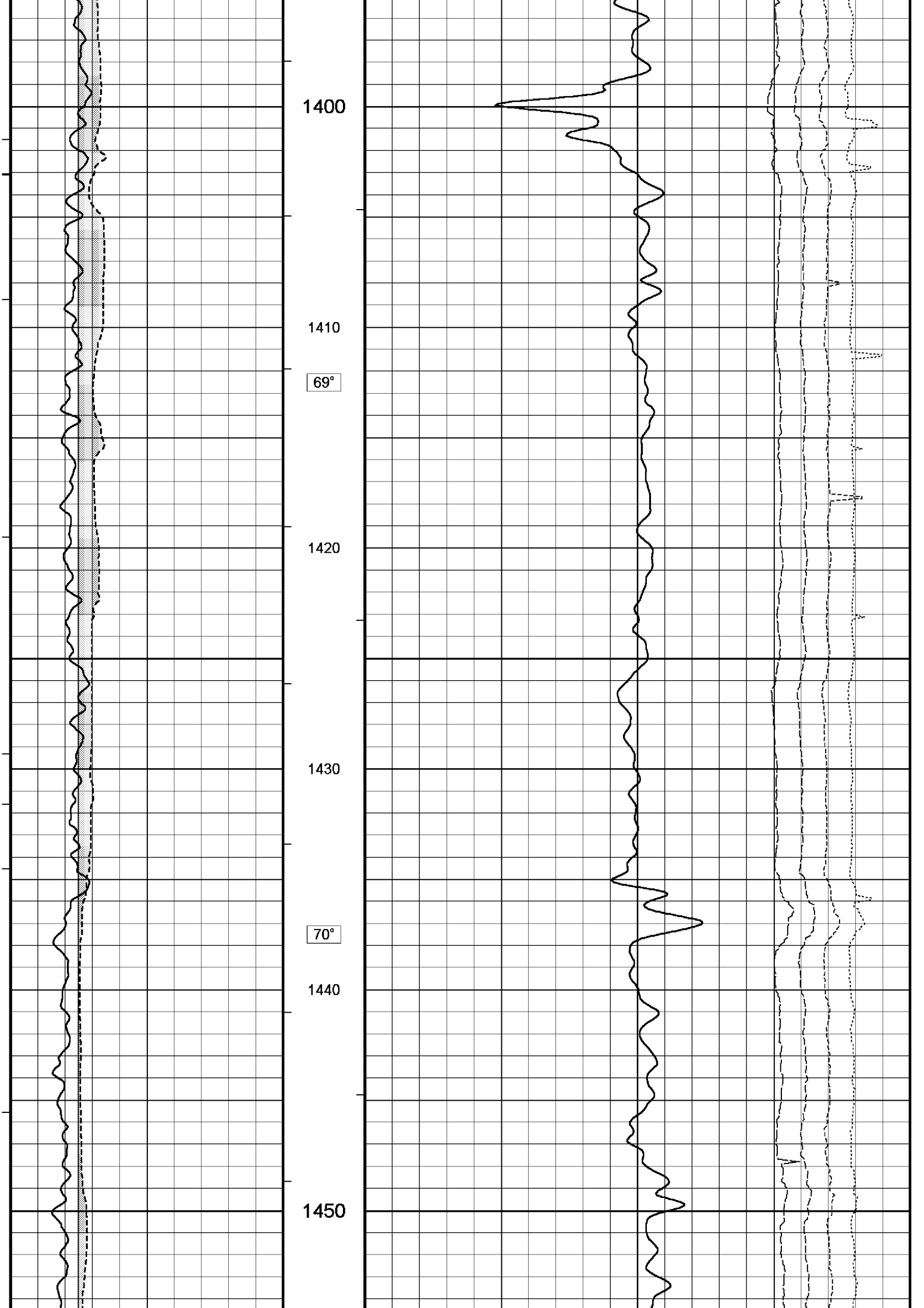


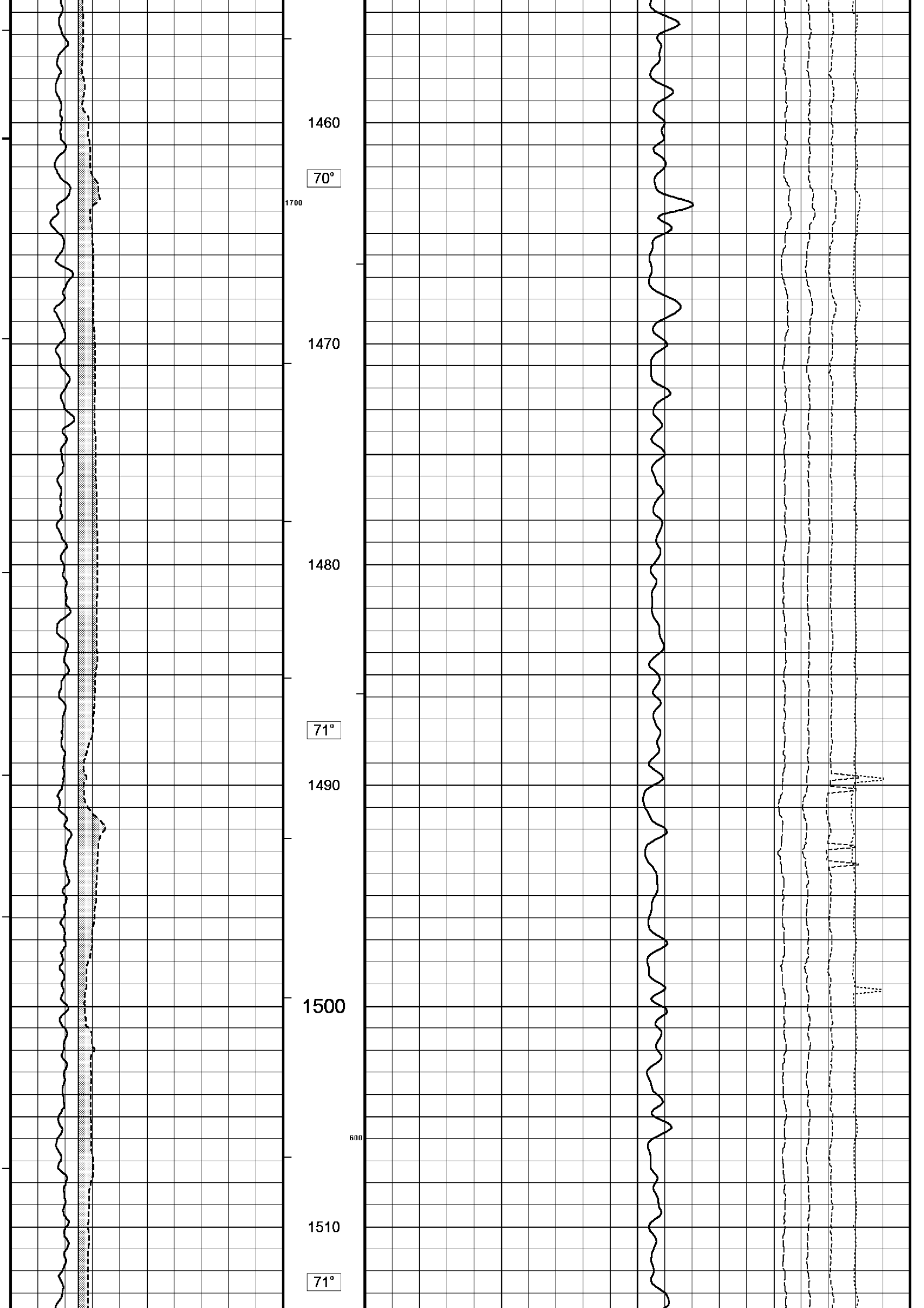


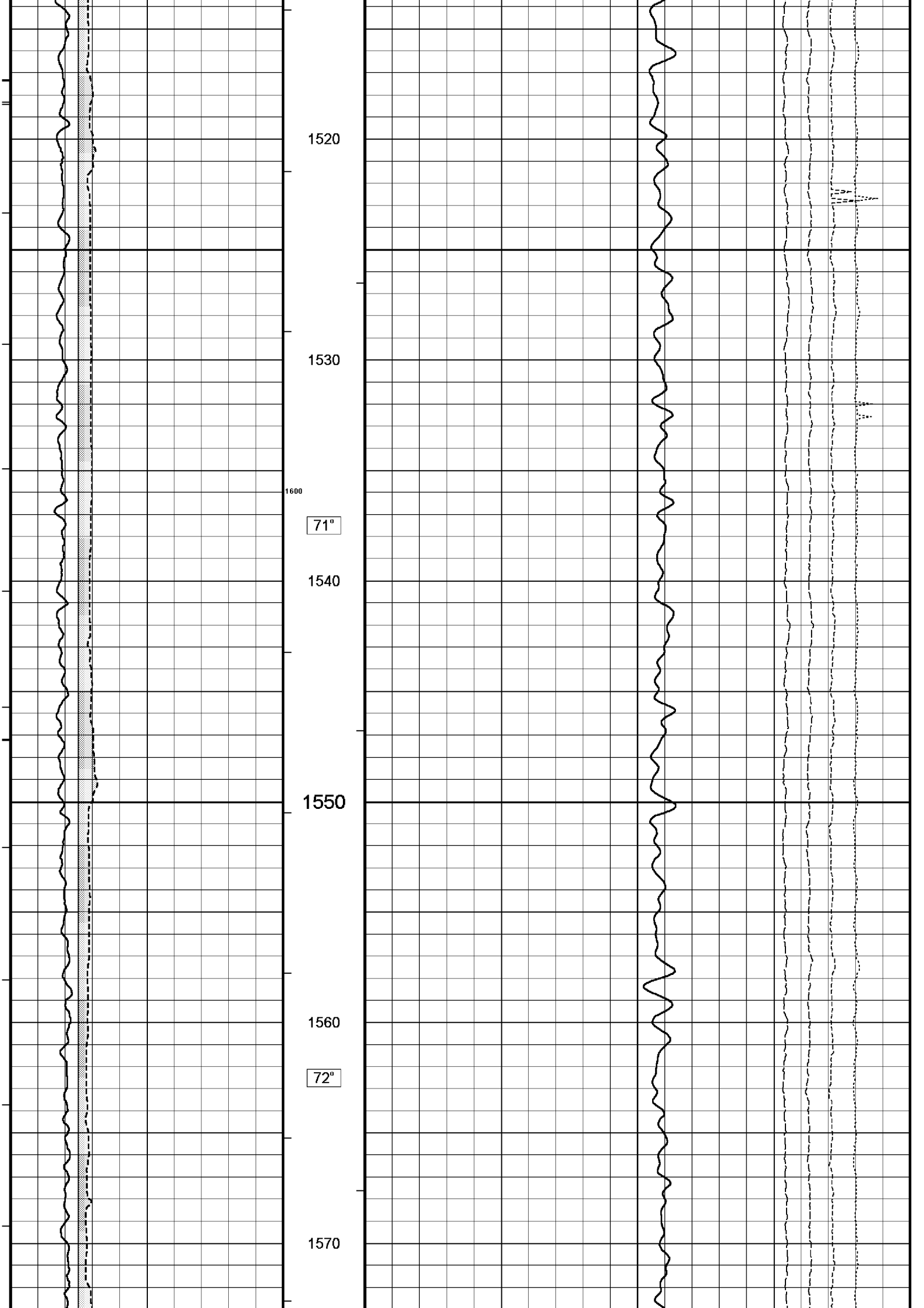


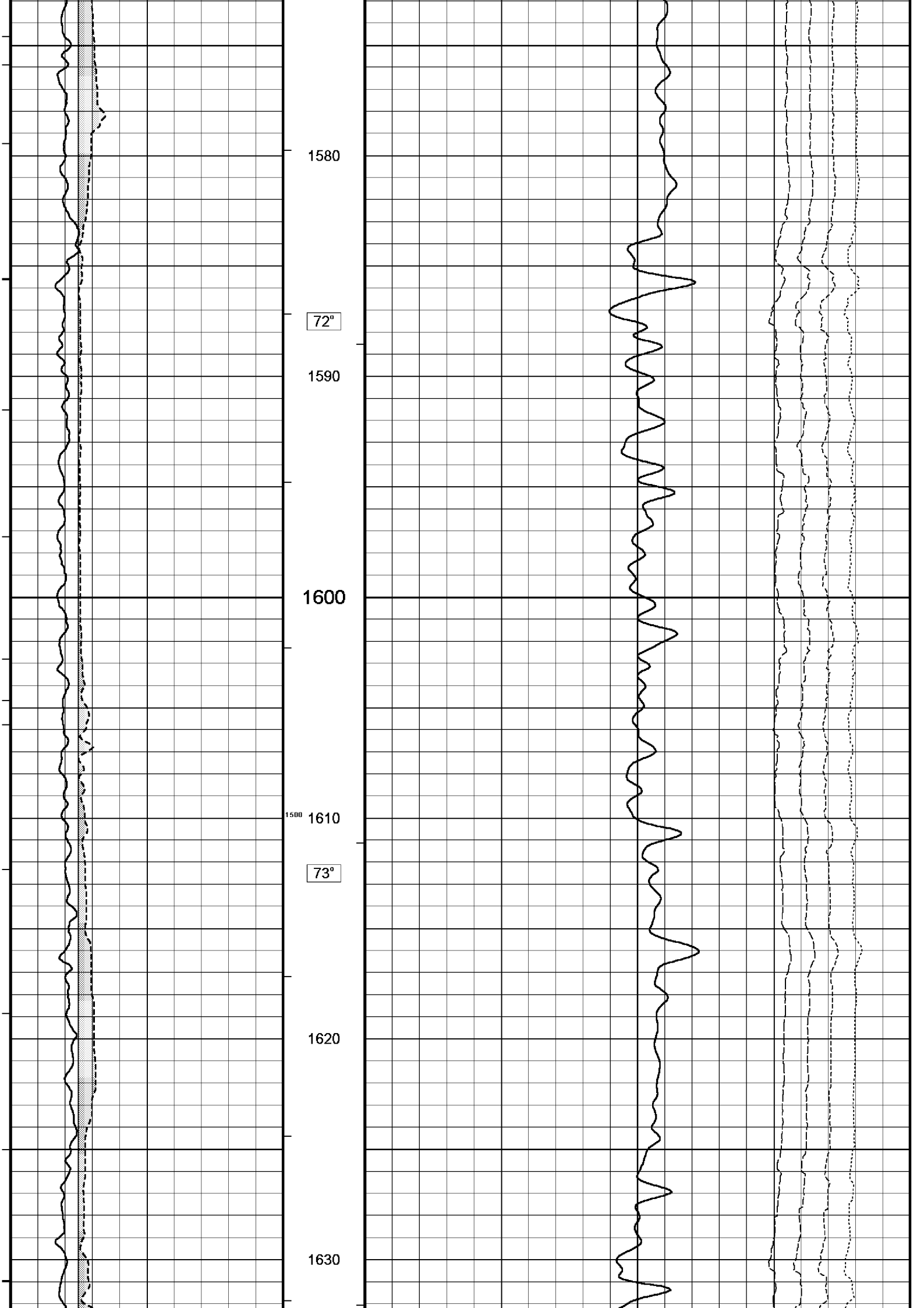


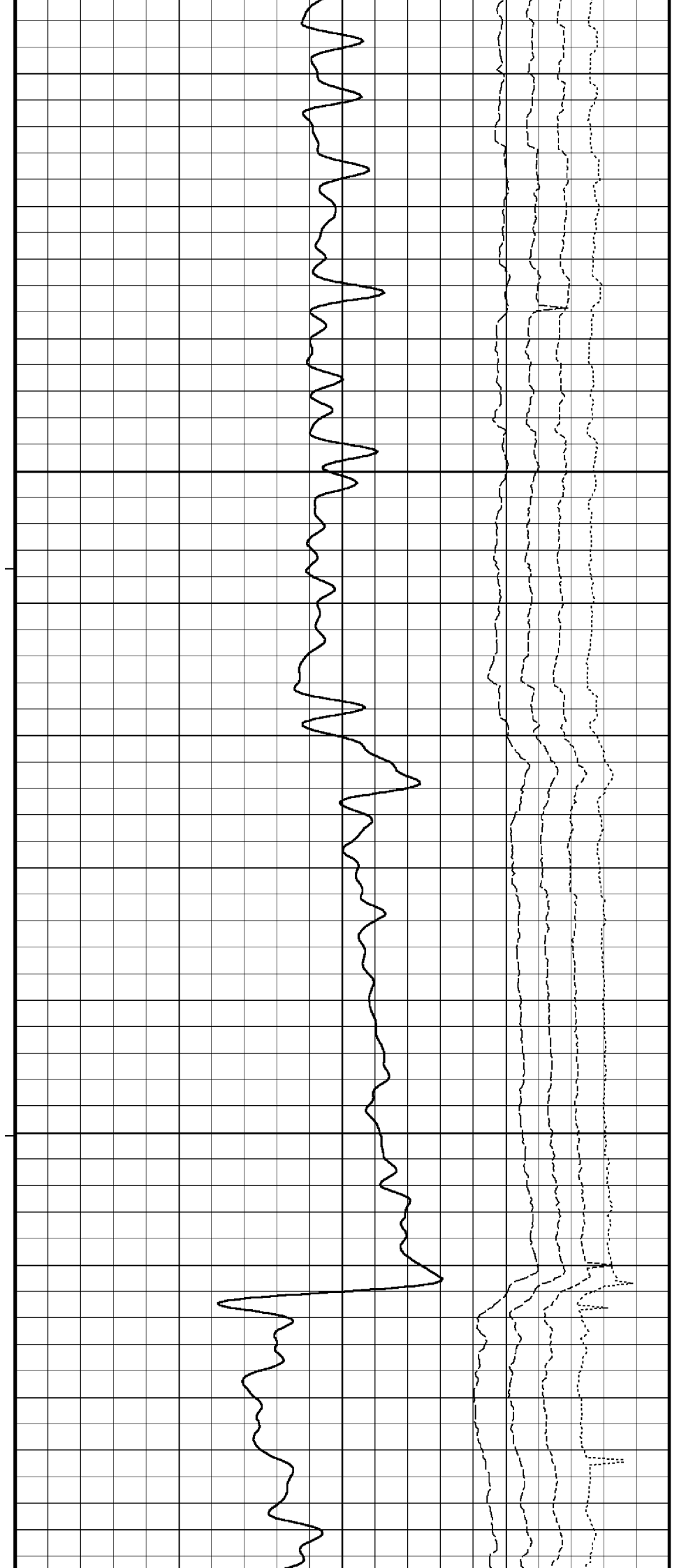
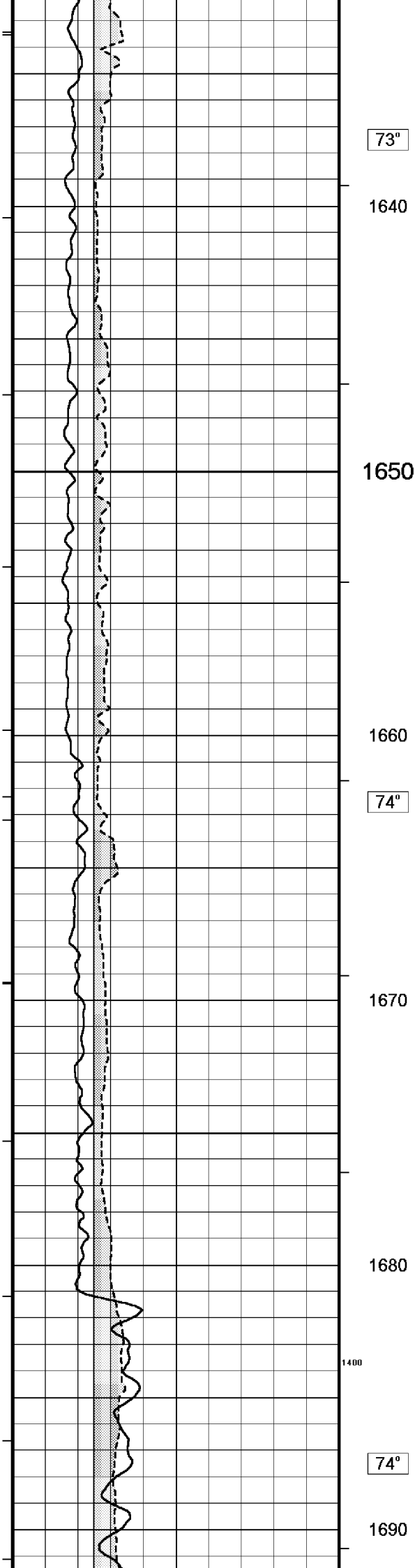


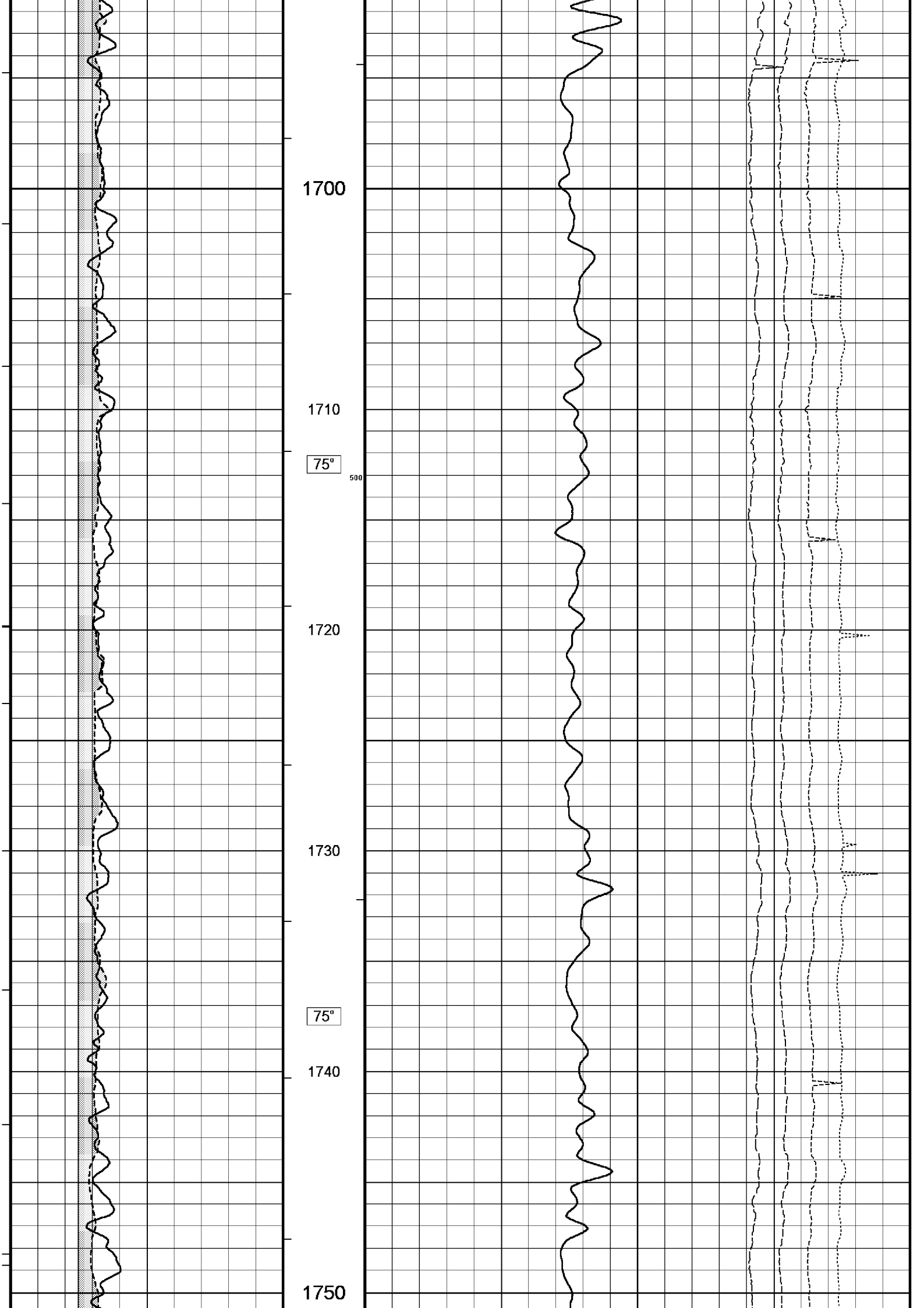


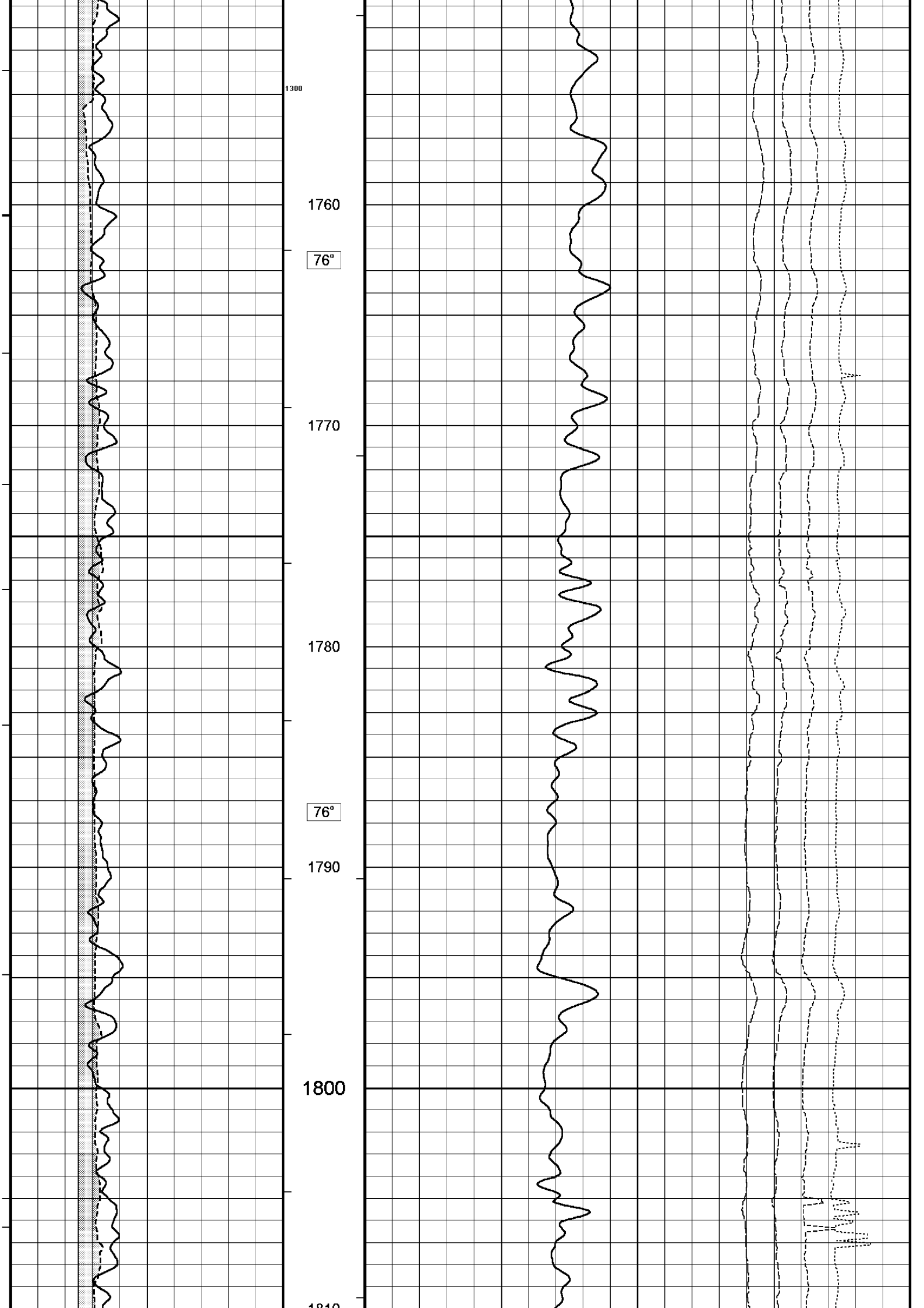


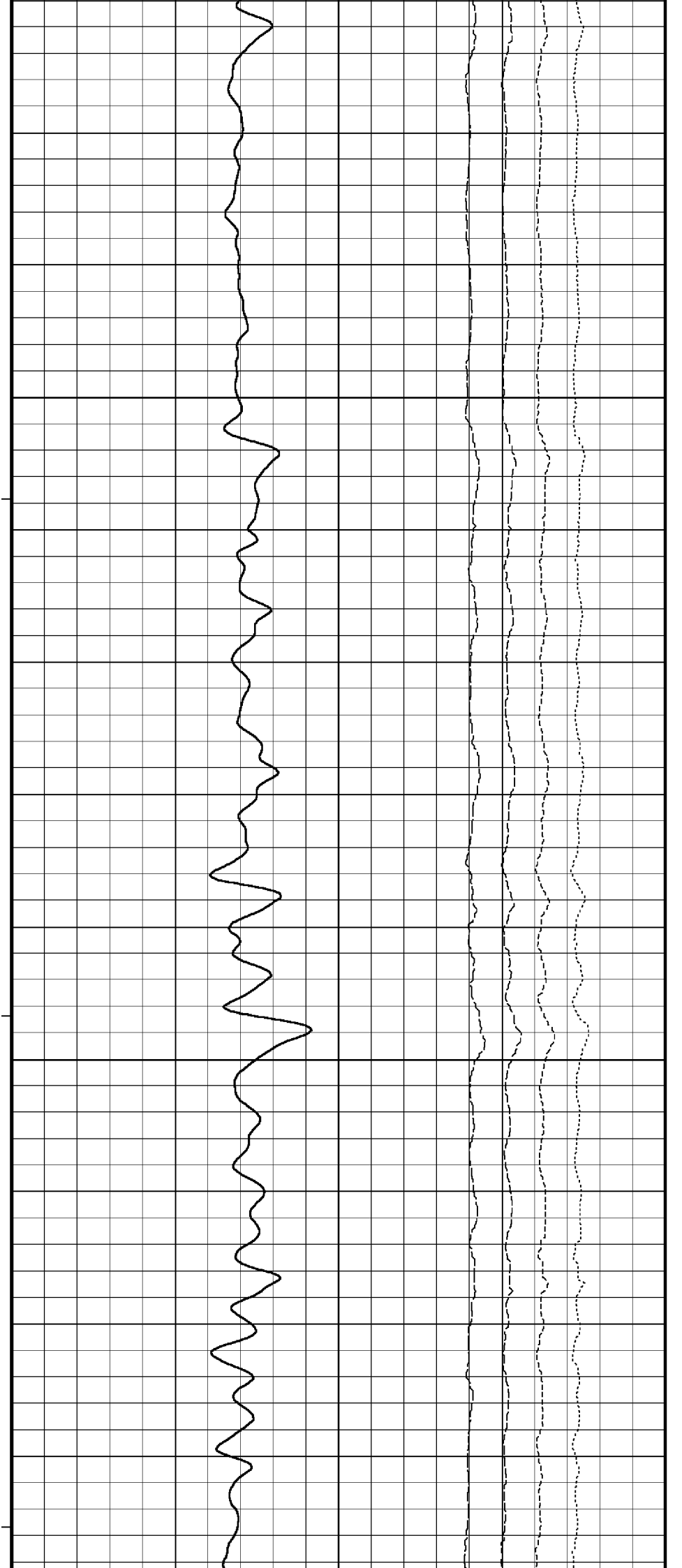
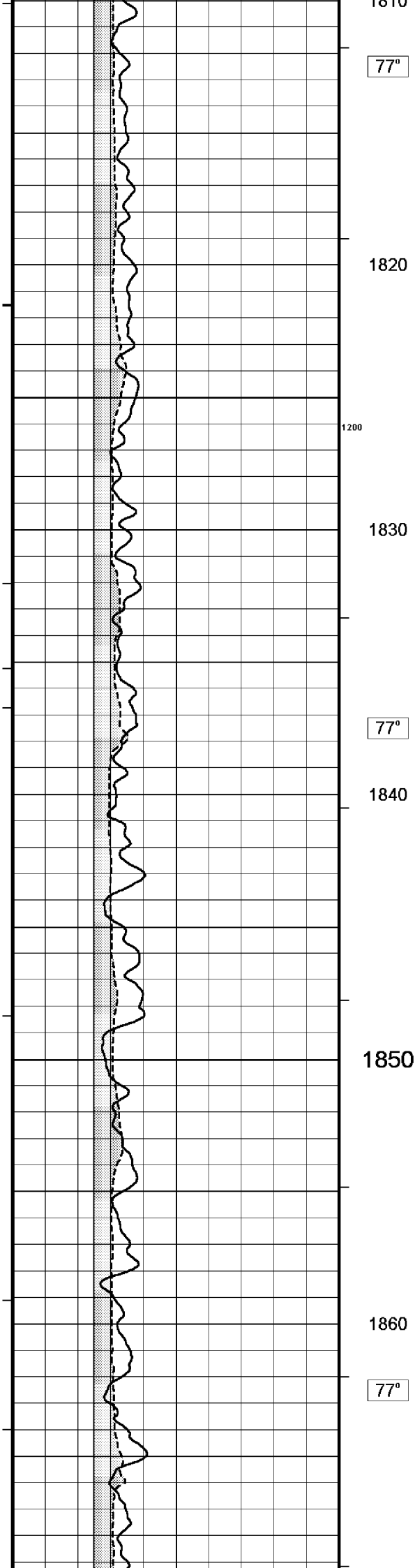


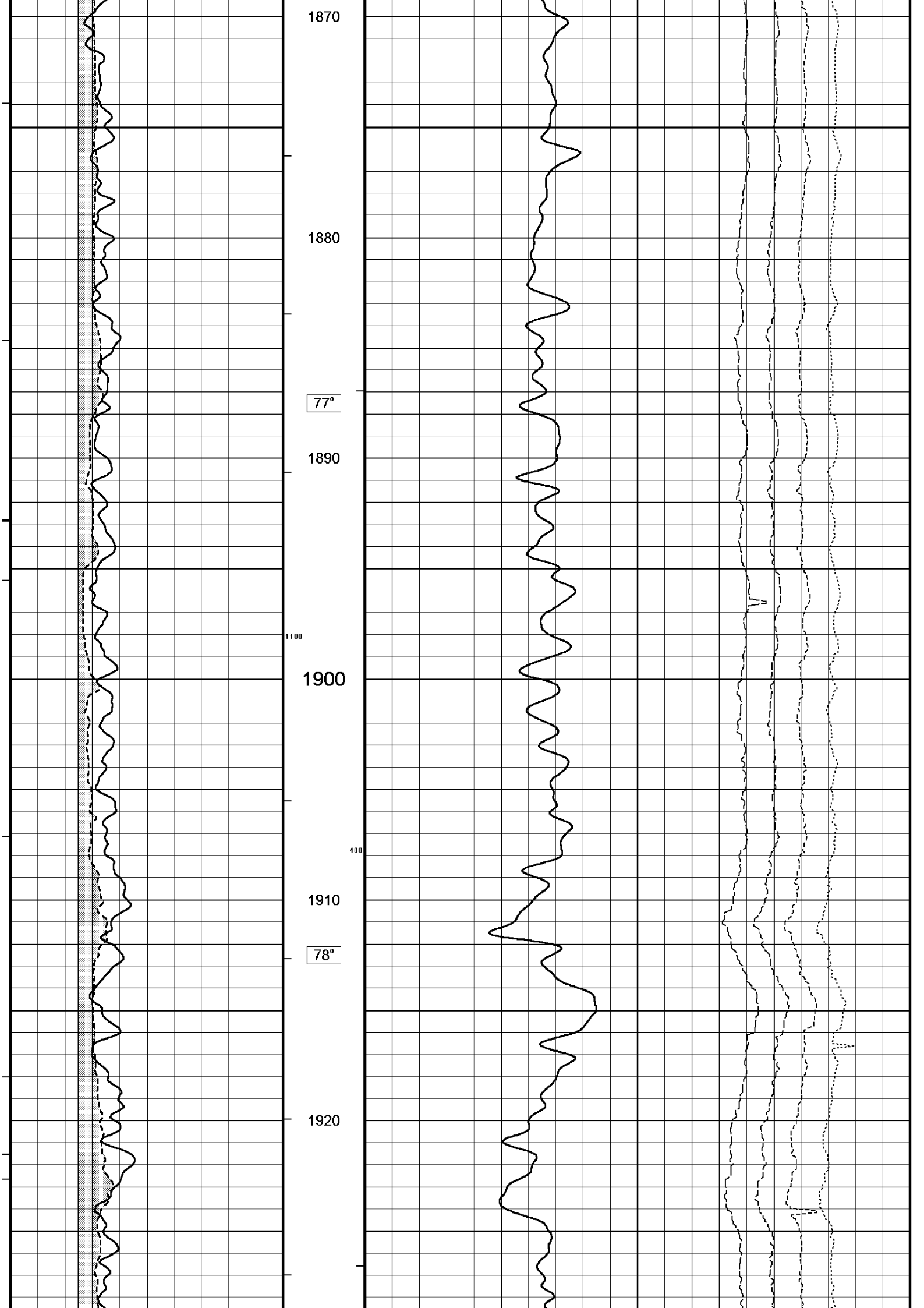


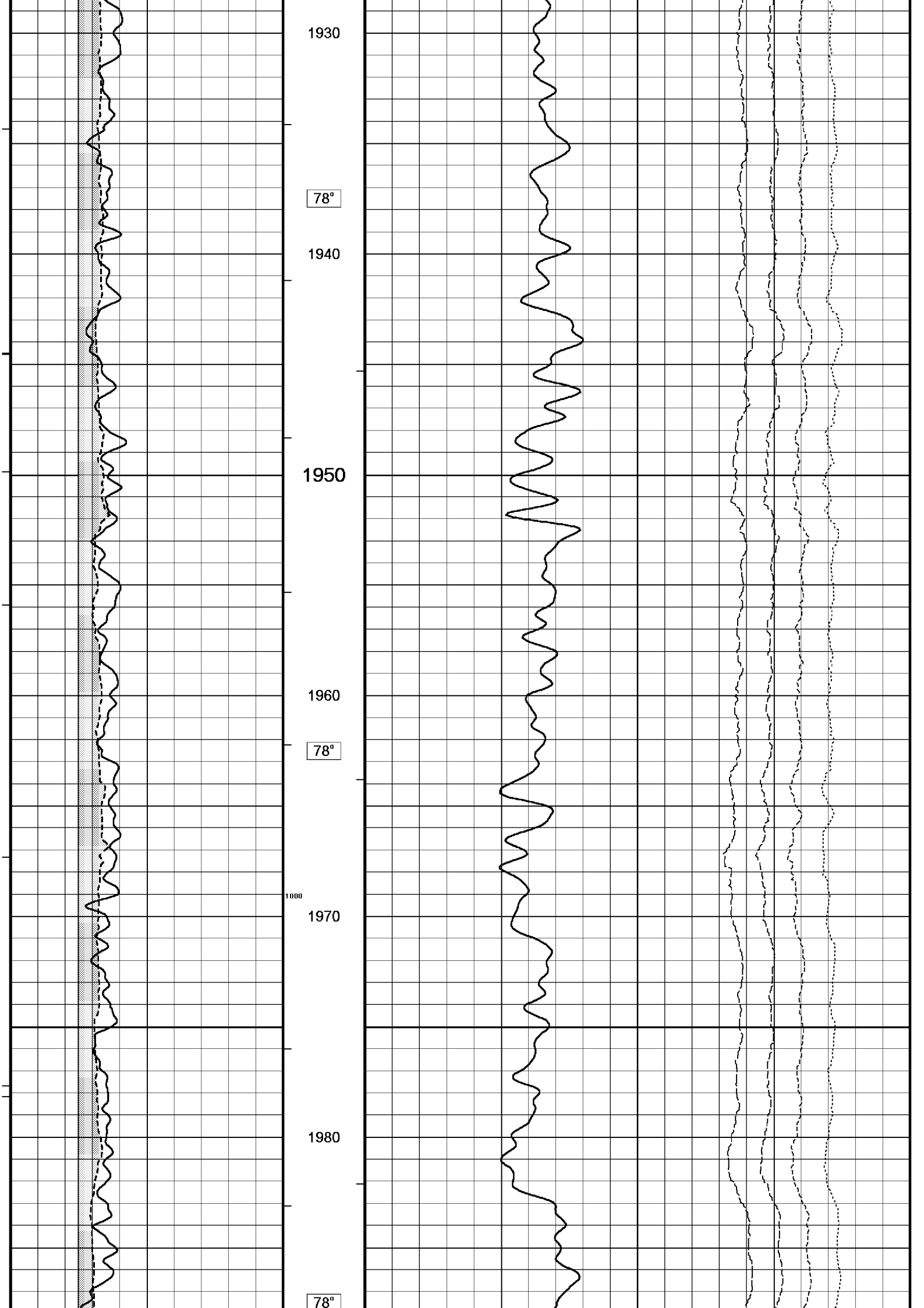


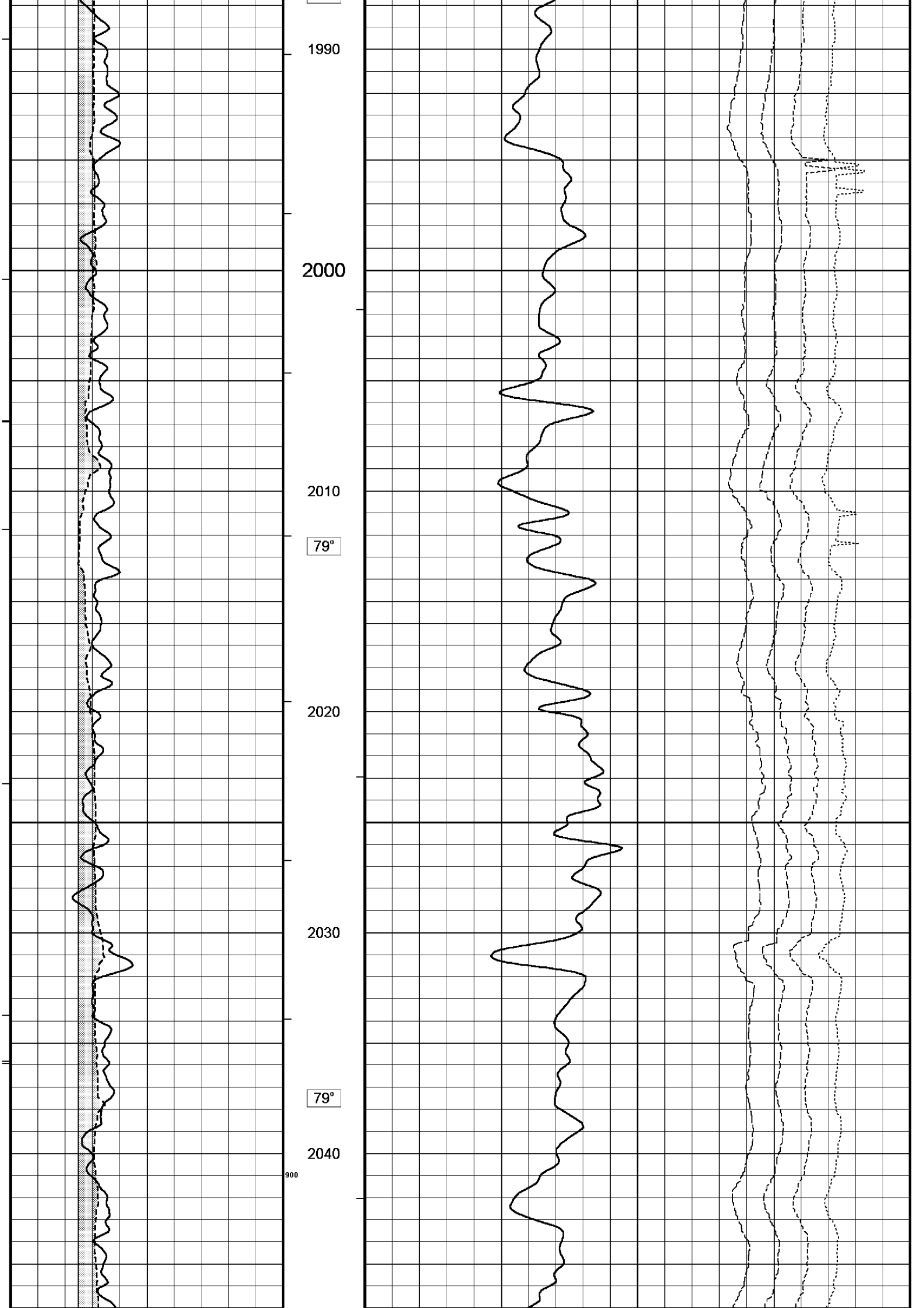


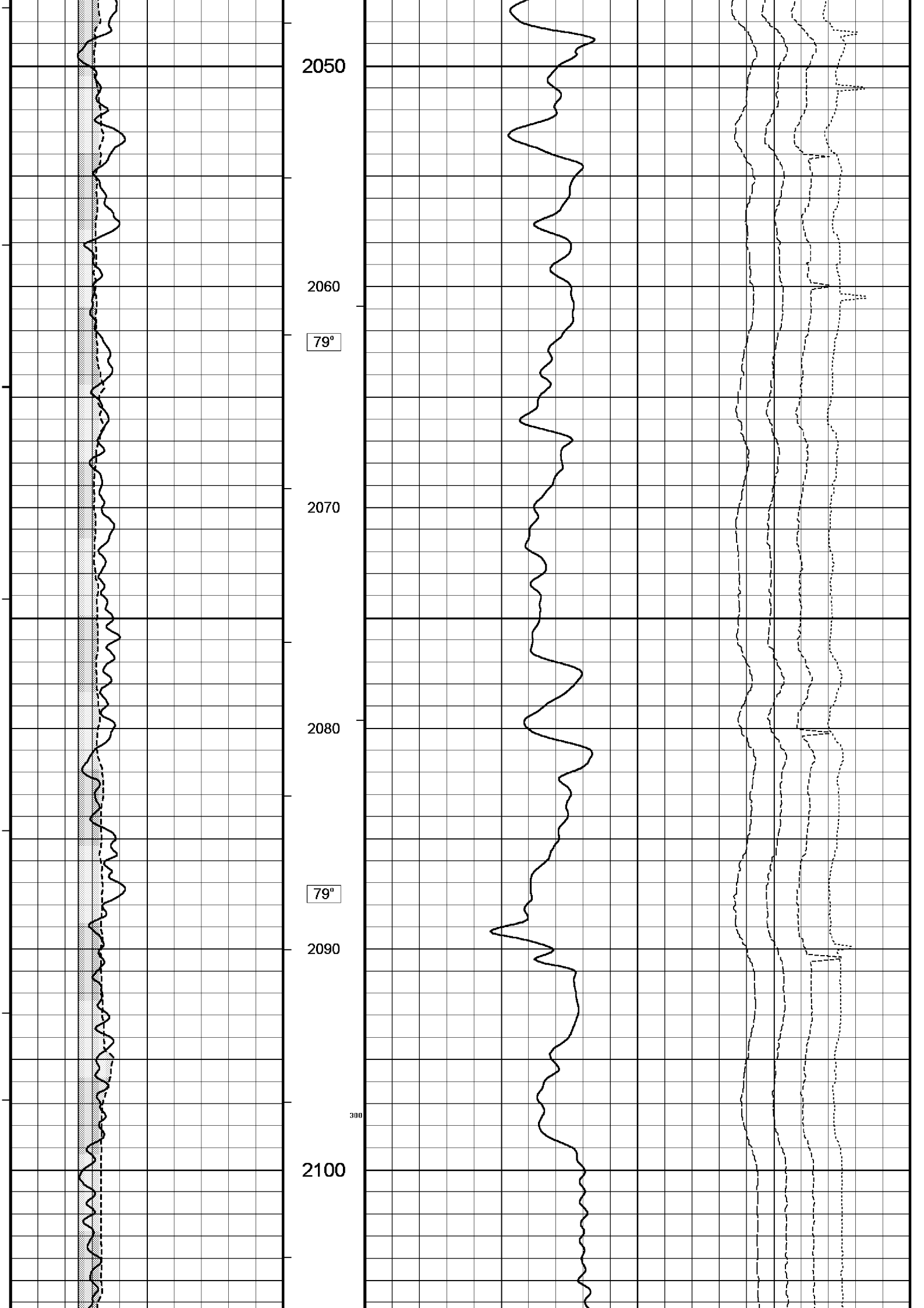


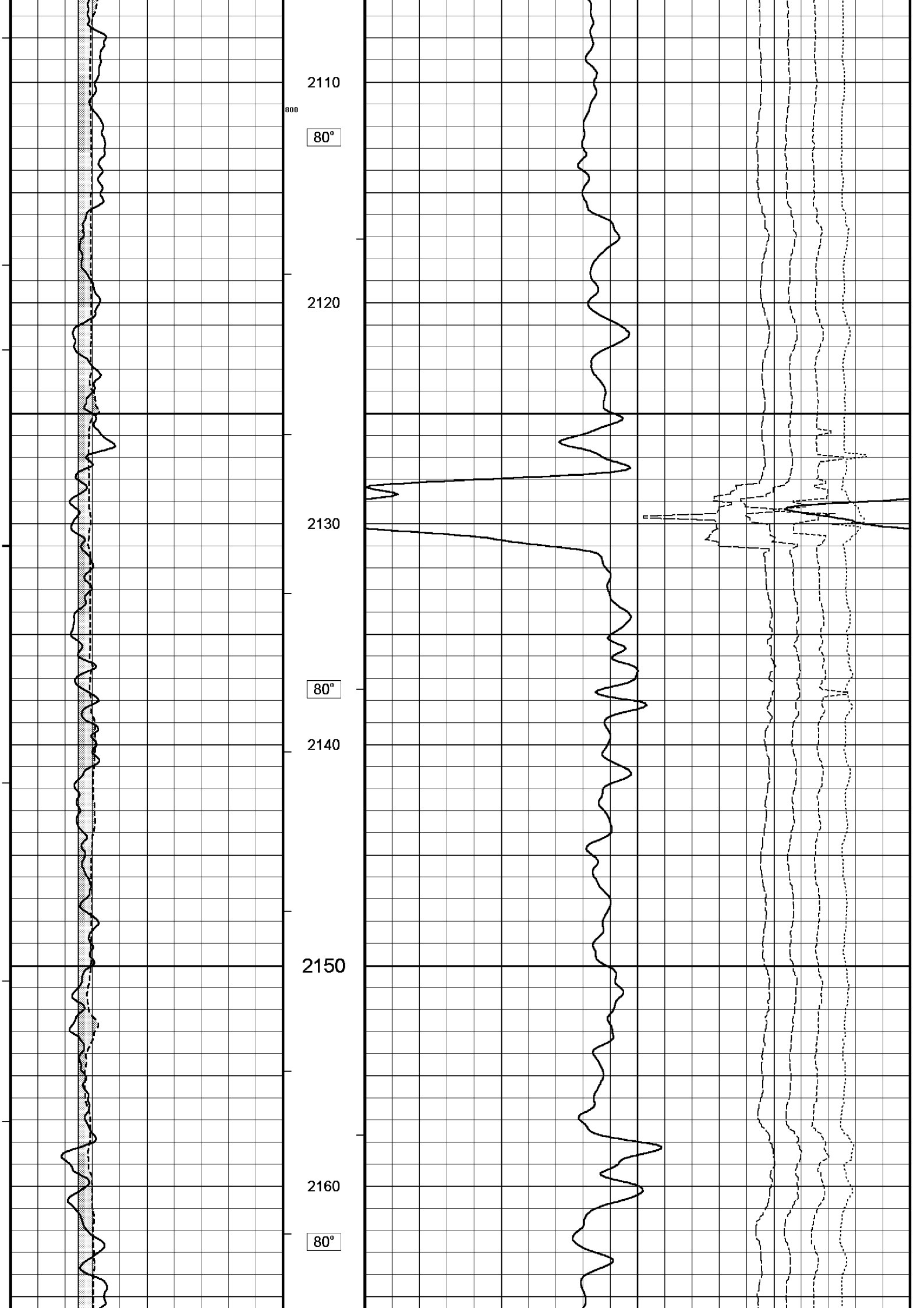


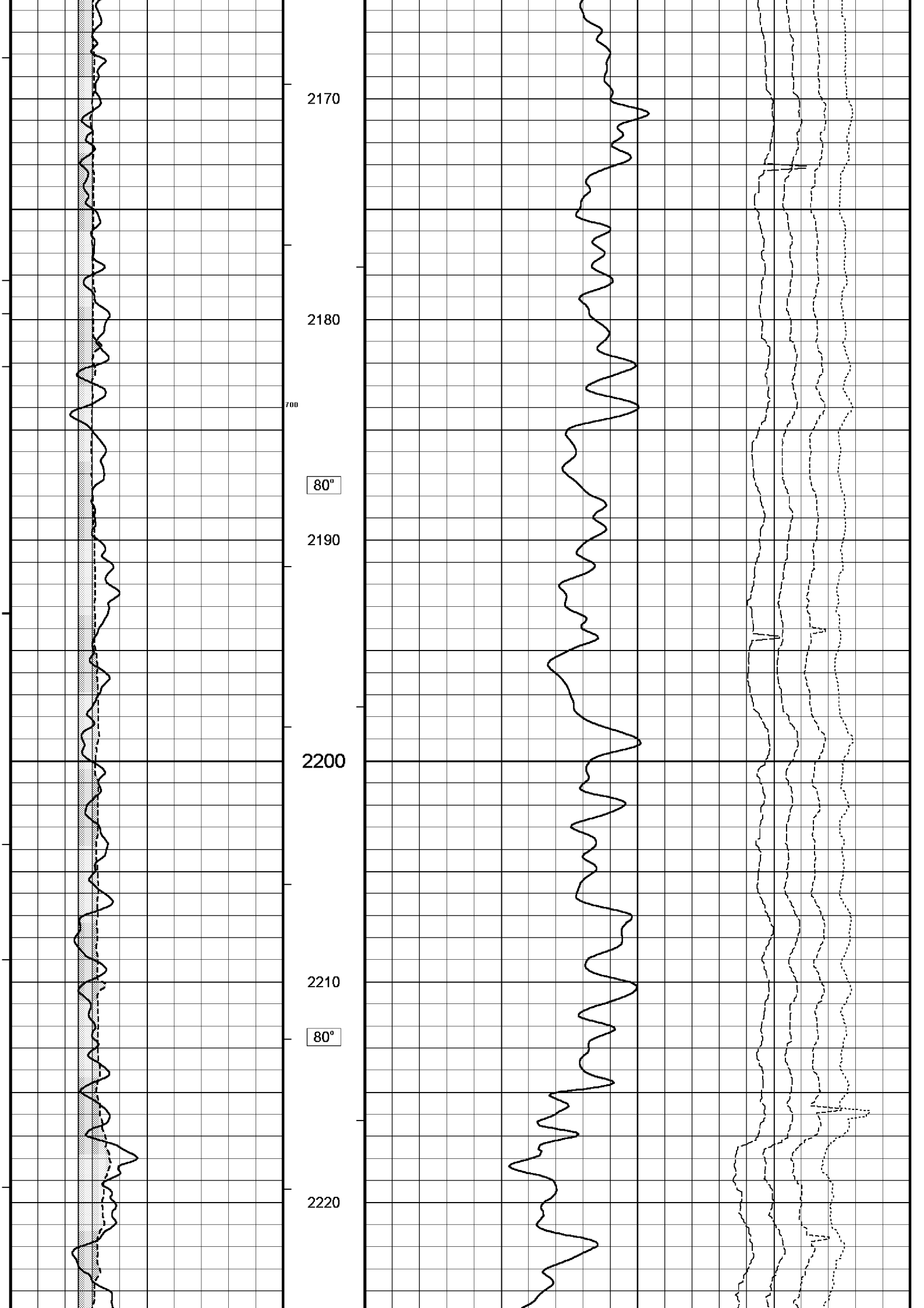


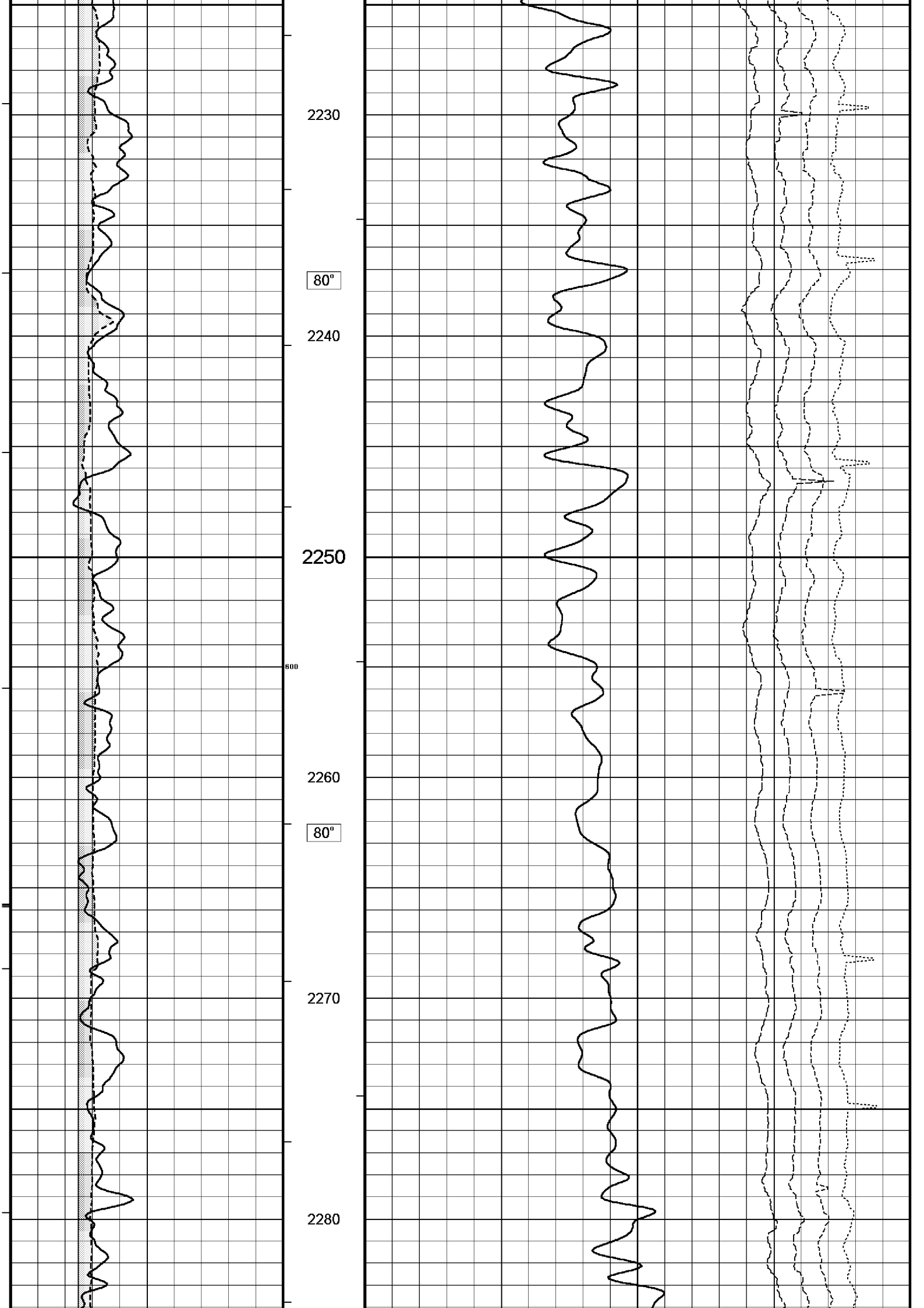


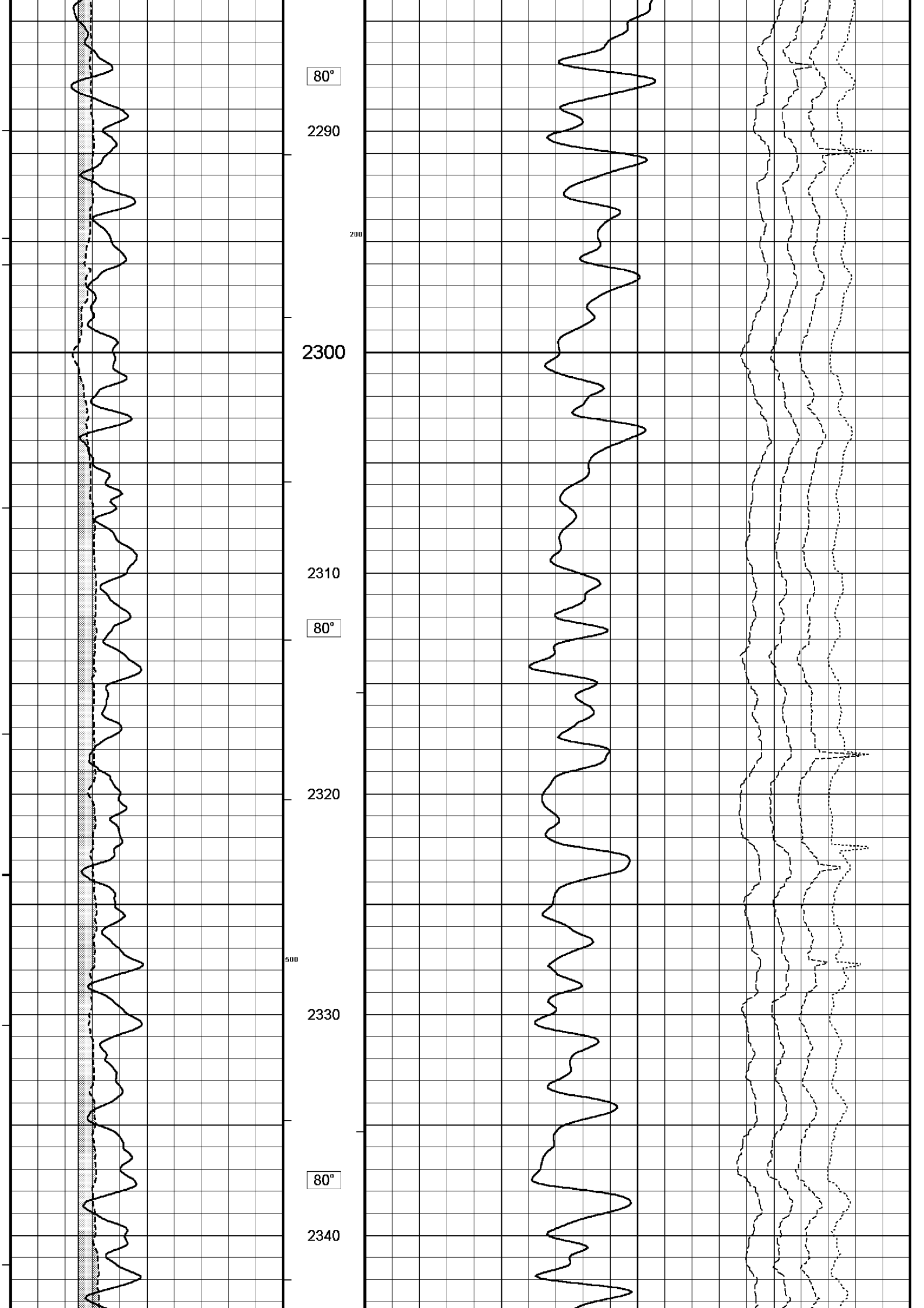


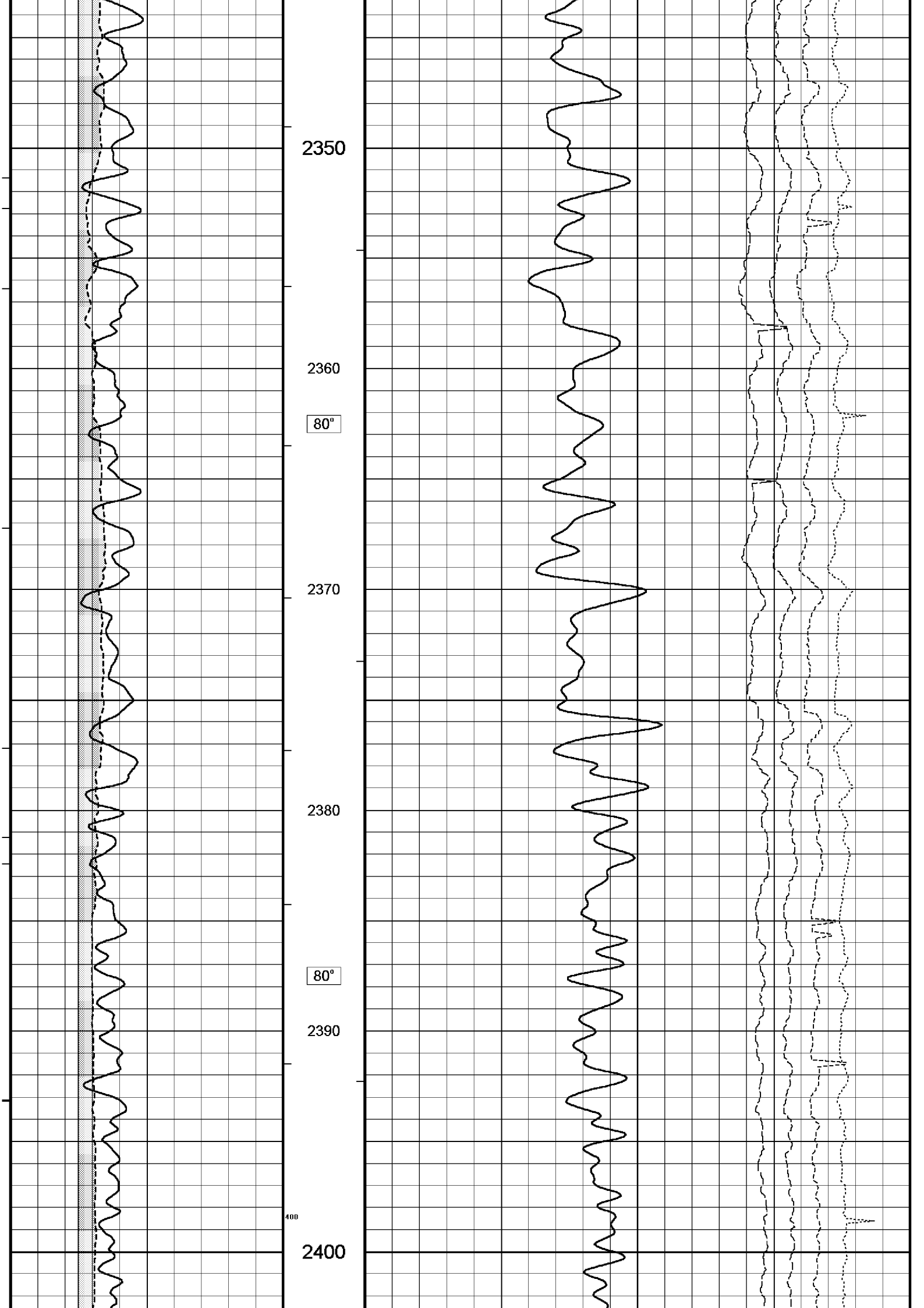


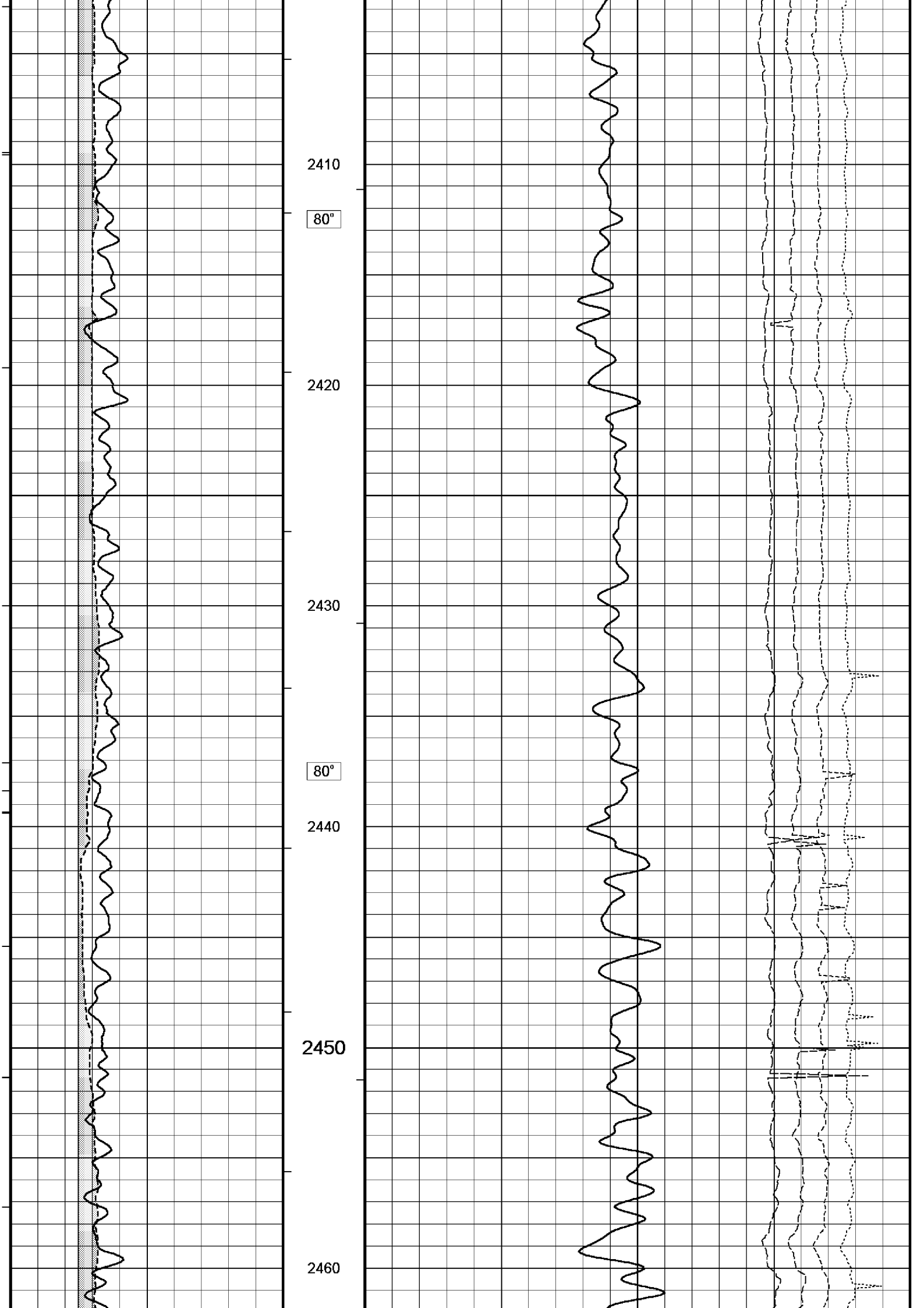


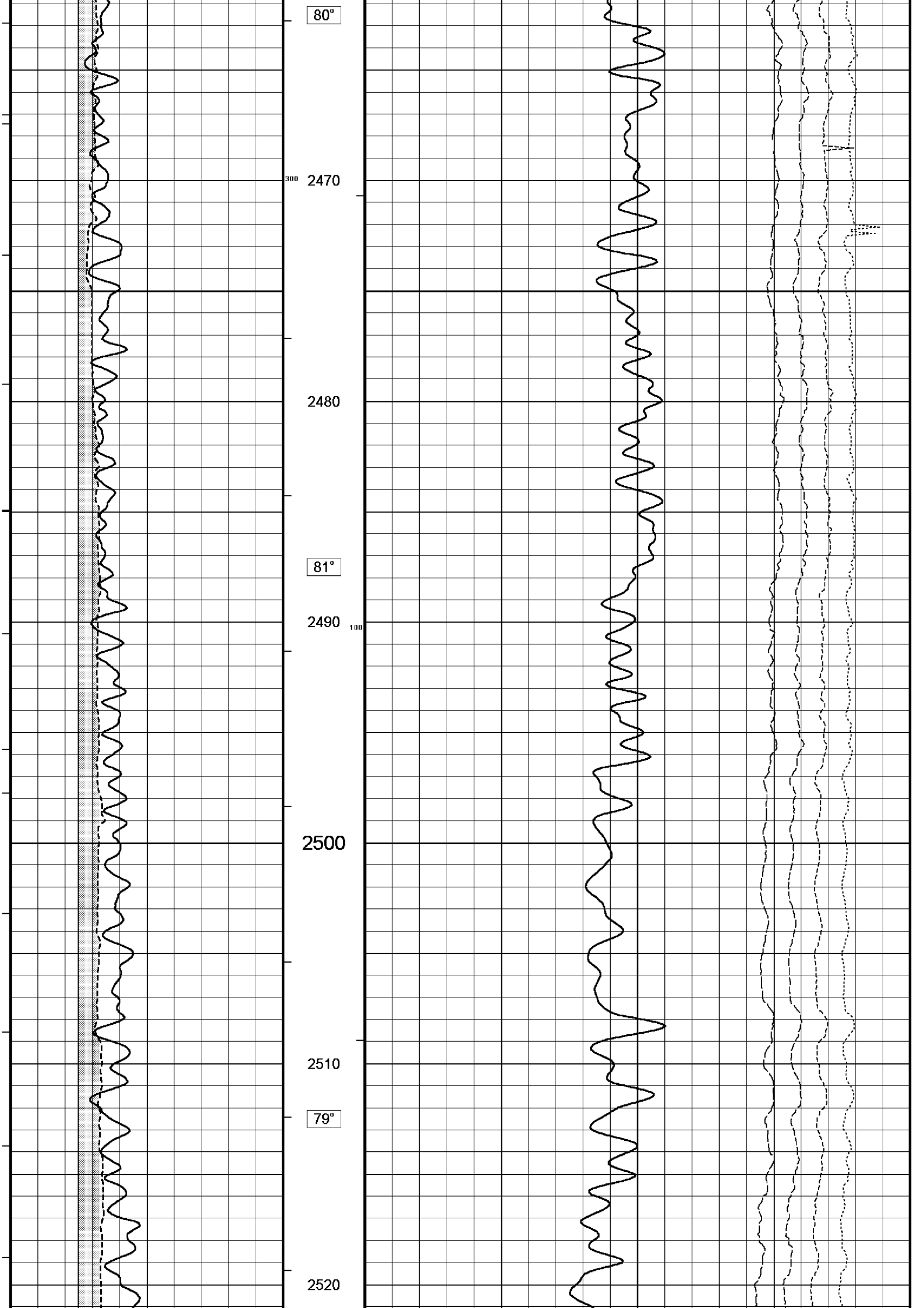


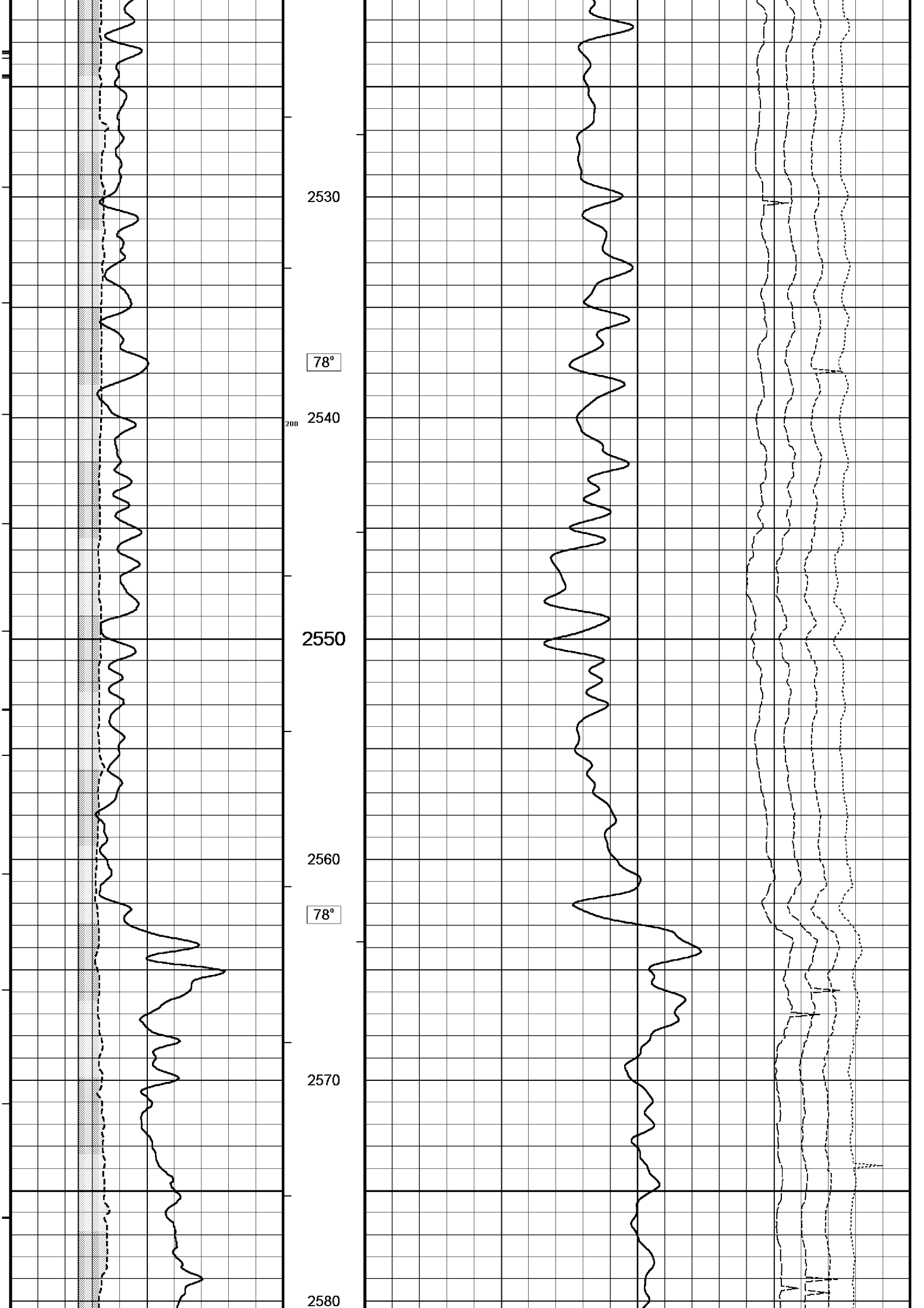


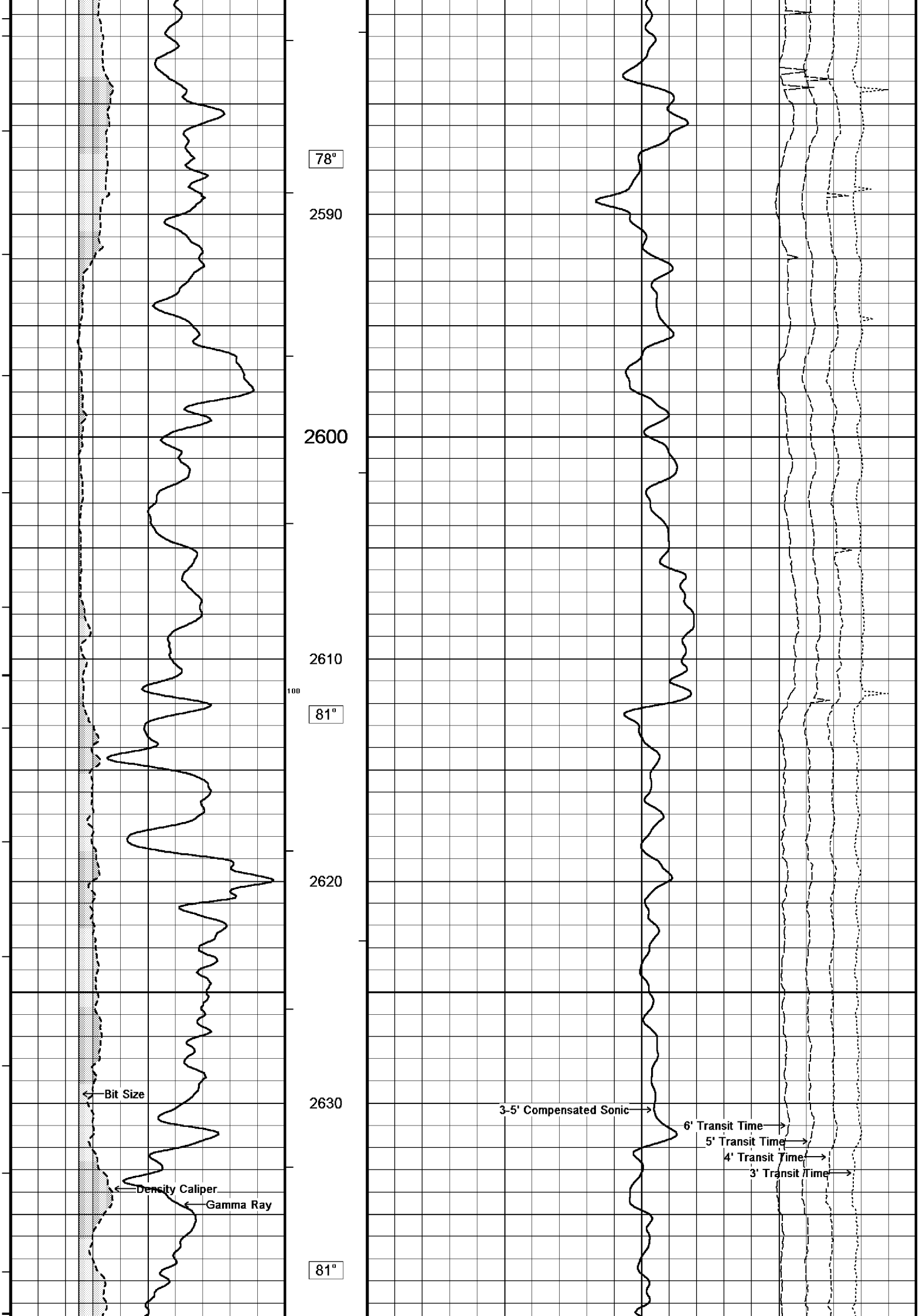


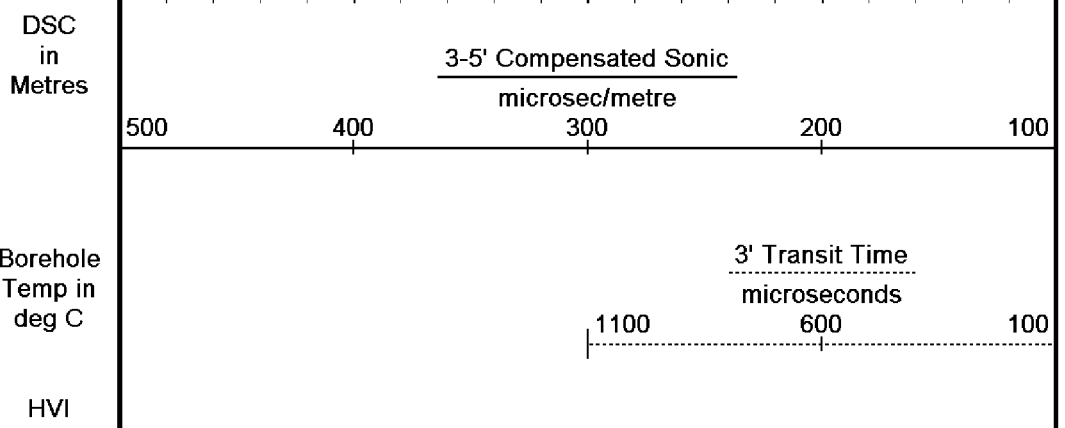
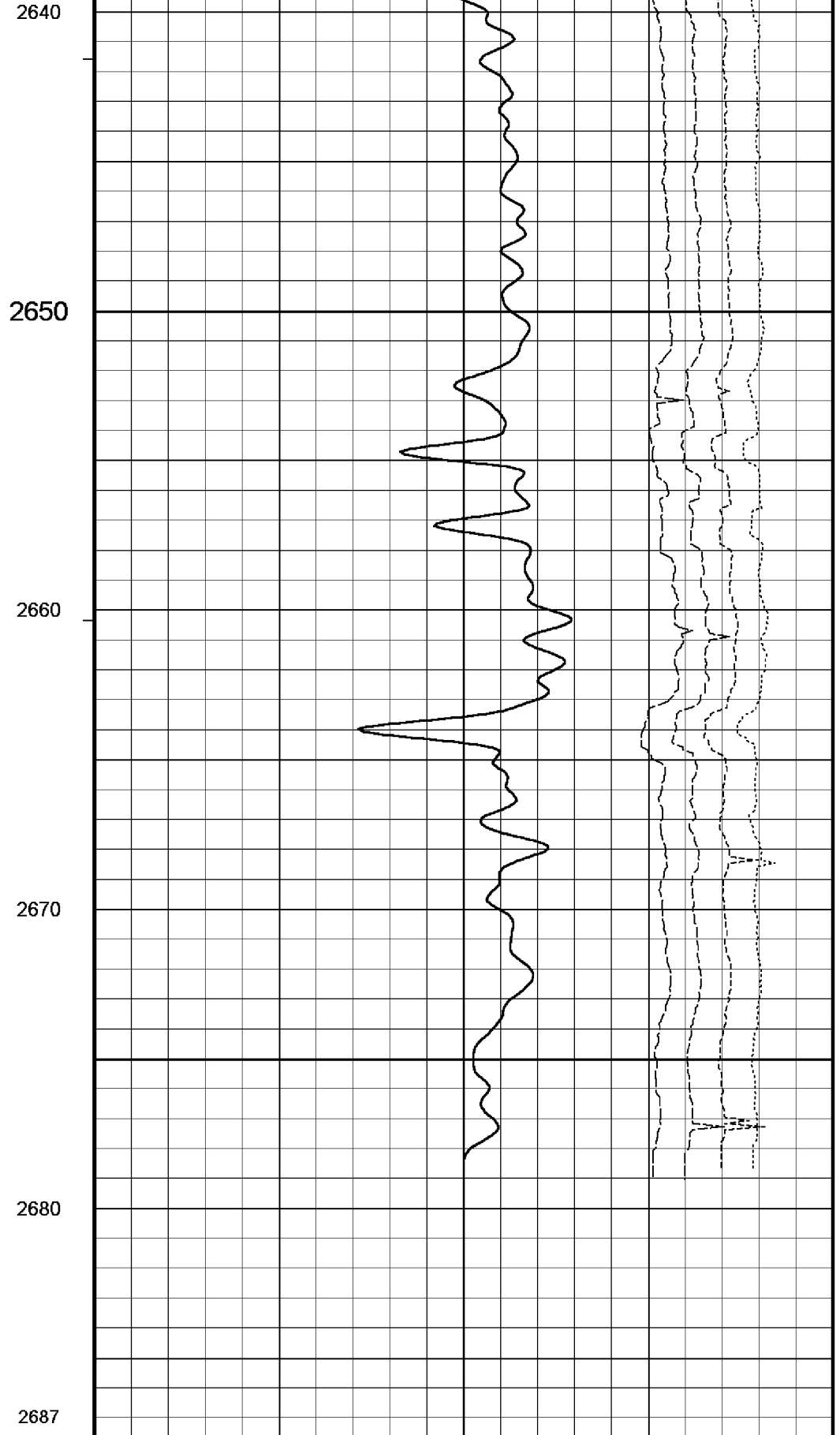
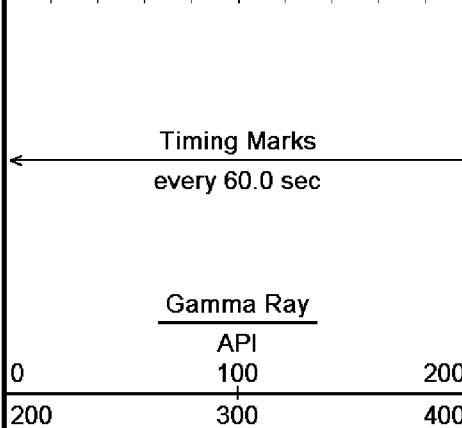
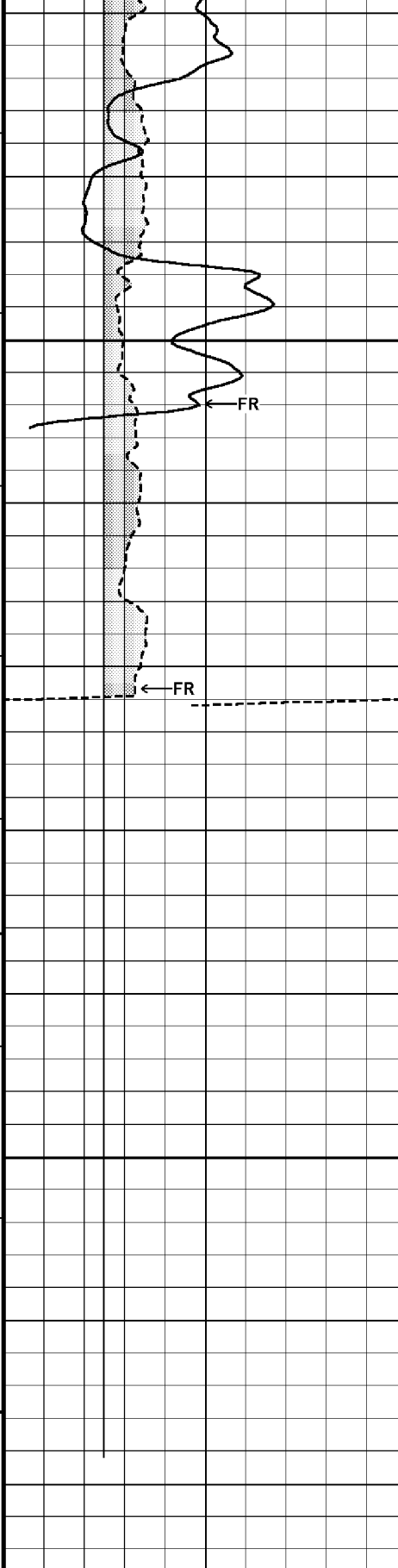


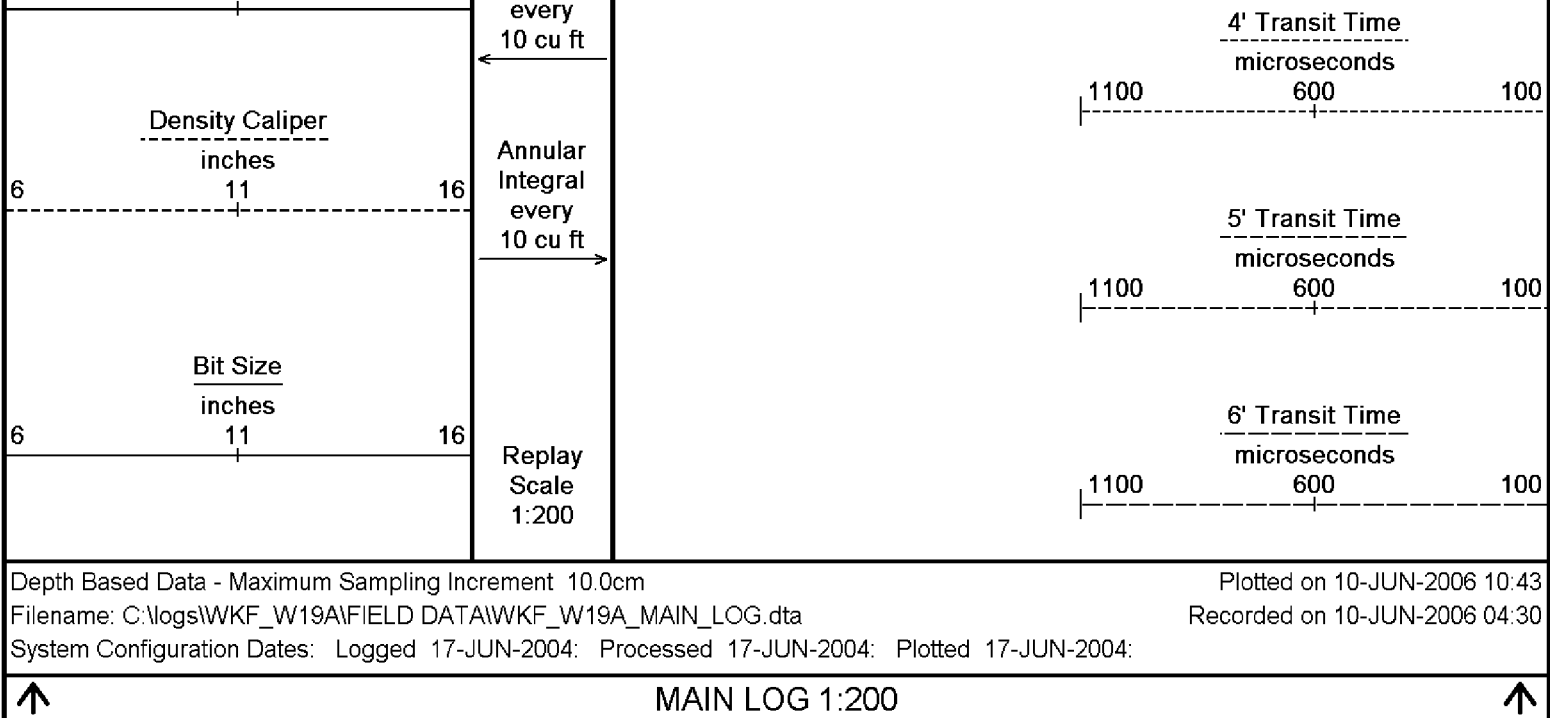












BEFORE SURVEY CALIBRATION			
C:\logs\WKF_W19A\FIELD DATA\WKF_W19A_MAIN_LOG.dta			
General Constants All 000			
General Parameters			
Mud Resistivity	0.122	ohm-metres	
Mud Resistivity Temperature	25.000	degrees C	
Water Level	0.000	metres	
Density/Neutron Processing	Wet Hole		
Hole/Annular Volume and Differential Caliper Parameters			
HVOL Caliper 1	Density Caliper		
HVOL Caliper 2	Bit Size		
Annular Volume Diameter	7.000	inches	
Caliper for Differential Caliper	None		
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 142			
	Measured	Calibrated(Deg C)	Field Calibration on 22-MAY-2006,23:42
Lower	0.00	0.00	
Upper	100.00	100.00	
High Resolution Temperature Constants MCG 142			
Pre-filter Length	11		
Gamma Calibration MCG 142			
	Measured	Calibrated (API)	Field Calibration on 7-JUN-2006 23:40
Background	12	8	
Calibrator (Gross)	1393	917	
Calibrator (Net)	1381	909	
Gamma Constants MCG 142			
Gamma Calibrator Number	60		
Mud Density	1.13	gm/cc	
Caliper Source for Processing	Density Caliper		
Tool Position	Eccentred		
Concentration of KCl	0.00	kppm	
Caliper Calibration MPD 083			
Base Calibration on 31-MAY-2006 16:59 Field Calibration on 8-JUN-2006 01:20			

Base Calibration

Reading No	Measured	Calibrator Size (in)
1	14224	4.01
2	22476	5.99
3	30896	7.98
4	39296	9.94
5	48692	12.01
6	N/A	N/A

Field Calibration

Measured Caliper (in)	Actual Caliper (in)
7.92	7.98

Sonic Constants MSS 066

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

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	No	
Use 4' Waveform to derive TR	No	
Use 5' Waveform to derive TR	No	
Use 6' Waveform to derive TR	No	
3' Waveform Discriminator Level	0.45	mV
4' Waveform Discriminator Level	0.45	mV
5' Waveform Discriminator Level	0.35	mV
6' Waveform Discriminator Level	0.35	mV
3' Waveform Filter	None	
4' Waveform Filter	None	
5' Waveform Filter	None	
6' Waveform Filter	None	
Semblance Level	0.50	
Semblance Window Width	120.00	micro-sec
Sonic 1 Despiker	100.00	micro-sec/ft
Sonic 2 Despiker	100.00	micro-sec/ft

DOWNHOLE EQUIPMENT

C:\logs\WKF_W19A\FIELD DATA\WKF_W19A_MAIN_LOG.dta

Compact Swivel Head Adaptor F

SHA 71 Length: 0.83 m Weight: 26.5 lb

Compact Knuckle Joint

SKJ 100 Length: 0.66 m Weight: 24.3 lb

Compact Battery Sub.

MBS 99 Length: 4.41 m Weight: 44.1 lb



Compact Inline Standoff B
MIS 73 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 138 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 136 Length: 0.65 m Weight: 15.4 lb

MBE21 - THIRD BRIDLE
MLK 111 Length: 3.76 m Weight: 30.9 lb

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

Compact Gamma
MCG 142 Length: 2.65 m Weight: 63.9 lb

Compact Memory Sub A.C
MMS 38 Length: 0.95 m Weight: 30.9 lb

Compact Knuckle Joint
SKJ 45 Length: 0.66 m Weight: 24.3 lb

Compact Swivel Head Adaptor F
SHA 64 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



32.22 m GRGC - Gamma Ray
31.33 m CGXT - MCG External Temperature

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

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

Compact Inline Bowspring A
MIS 24 Length: 1.74 m Weight: 33.1 lb

Compact Swivel Head Adaptor
SHA 28 Length: 0.83 m Weight: 26.5 lb

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

Compact Inline Standoff B
MIS 72 Length: 0.65 m Weight: 15.4 lb

Compact Upper Guard Sub.
MUG 30 Length: 2.74 m Weight: 68.3 lb

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

Compact Laterolog Electrode Sub.
MLE 31 Length: 3.76 m Weight: 92.6 lb

Compact Inline Standoff B
MIS 127 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 129 Length: 0.65 m Weight: 15.4 lb

Compact Sonic
MSS 66 Length: 3.82 m Weight: 72.8 lb

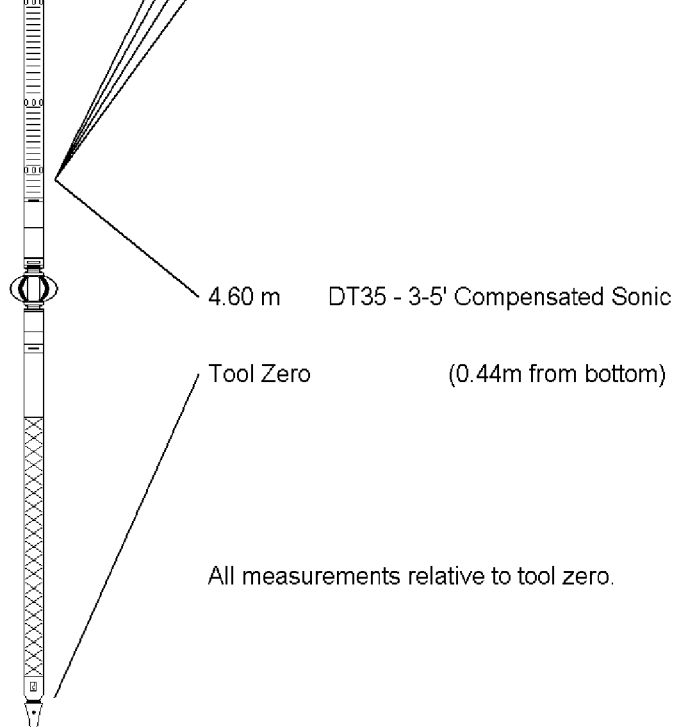
4.60 m TR21 - 3' Transit Time
4.60 m TR12 - 6' Transit Time
4.60 m TR22 - 5' Transit Time
4.60 m TR11 - 4' Transit Time

Compact Inline Standoff B
MIS 126 Length: 0.65 m Weight: 15.4 lb

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

Pressure Bung + Hole Finder
HFS 4 Length: 0.40 m Weight: 6.6 lb

Total Length: 54.01 m Weight: 1201.5 lb



COMPANY	ESSO AUSTRALIA PTY.LTD
WELL	WKF W19A
FIELD	KINGFISH GDA94
PROVINCE/COUNTY	BASS STRAIT, VICTORIA
COUNTRY/STATE	AUSTRALIA

Elevation Kelly Bushing	metres	First Reading	2678.96	metres
Elevation Drill Floor 33.43	metres	Depth Driller	2687.00	metres
Elevation Ground Level -76.13	metres	Depth Logger	2684.00	metres



COMPENSATED SONIC
1:200 MD