



COMPACT

COMPENSATED SONIC

1:200 MD

COMPANY	ESSO AUSTRALIA PTY LTD		
WELL	BREAM A6A		
FIELD	BREAM		
PROVINCE/COUNTY	BASS STRAIT		
COUNTRY/STATE	AUSTRALIA		
LOCATION	38DEG 29' 58.784"S 147DEG 46' 20.421" E		
	5738461.490 N 567347.120 E		
	FIELD PRINT		
LSD	SEC	TWP	RGE
			Other Services
API Number	DUAL LATEROLOG		
Permit Number	PHOTO DENSITY		
Permanent Datum MSL	, Elevation 0.0 metres		
Log Measured From RT @ 32.82 M	above Permanent Datum		
Drilling Measured From RT	COMPENSATED NEUTRON		
Date	14-FEB-2006		
Run Number	ONE		
Depth Driller	3256.00	metres	
Depth Logger	3253.00	metres	
First Reading	3246.00	metres	
Last Reading	850.50	metres	
Casing Driller	850.50	metres	
Casing Logger	850.50	metres	
Bit Size	8.50	inches	
Hole Fluid Type	KCL/GYL/POLY		
Density / Viscosity	10.05 lb/USg	59.00 CP	
PH / Fluid Loss	9.30	2.90	
Sample Source	FLOWLINE		
Rm @ Measured Temp	0.108 @ 25.0	ohm-m	
Rmf @ Measured Temp	0.086 @ 25.0	ohm-m	
Rmc @ Measured Temp	0.153 @ 25.0	ohm-m	
Source Rmf / Rmc	PRESS	PRESS	
Rm @ BHT	0.046 @ 88.0	ohm-m	
Time Since Circulation	45.3 hrs		
Max Recorded Temp	91.20	deg C	
Equipment Name	5" CWS/CML		
Equipment / Base	1	SALE	
Recorded By	R. TENCH, B. MOSS		
Witnessed By	TREVOR LOBO		
CIRC STOPPED	12:10 12/02		

BOREHOLE RECORD				
Bit Size inches		Depth From metres		Depth To metres
8.500		850.50		3256.00
CASING RECORD				
Type	Size inches	Depth From metres	Shoe Depth metres	Weight pounds/ft
K-55	10.750	0.00	850.50	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: 91.2 DEG C AT 3211.7 m MD MAX. INCLINATION: 68.2 DEG AT 1656.24m MD MAX. DOGLEG SERVERITY: 7.6 DEG/30m AT 881.48 m MD DEPLOYMENT ANGLE: 67.28 DEG
HVOL: 5444 FT^3 AVOL: 3342 FT^3
HVOL (TO 2200mMD) : 2015 FT^3 AVOL (TO 2200mMD) : 1106 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

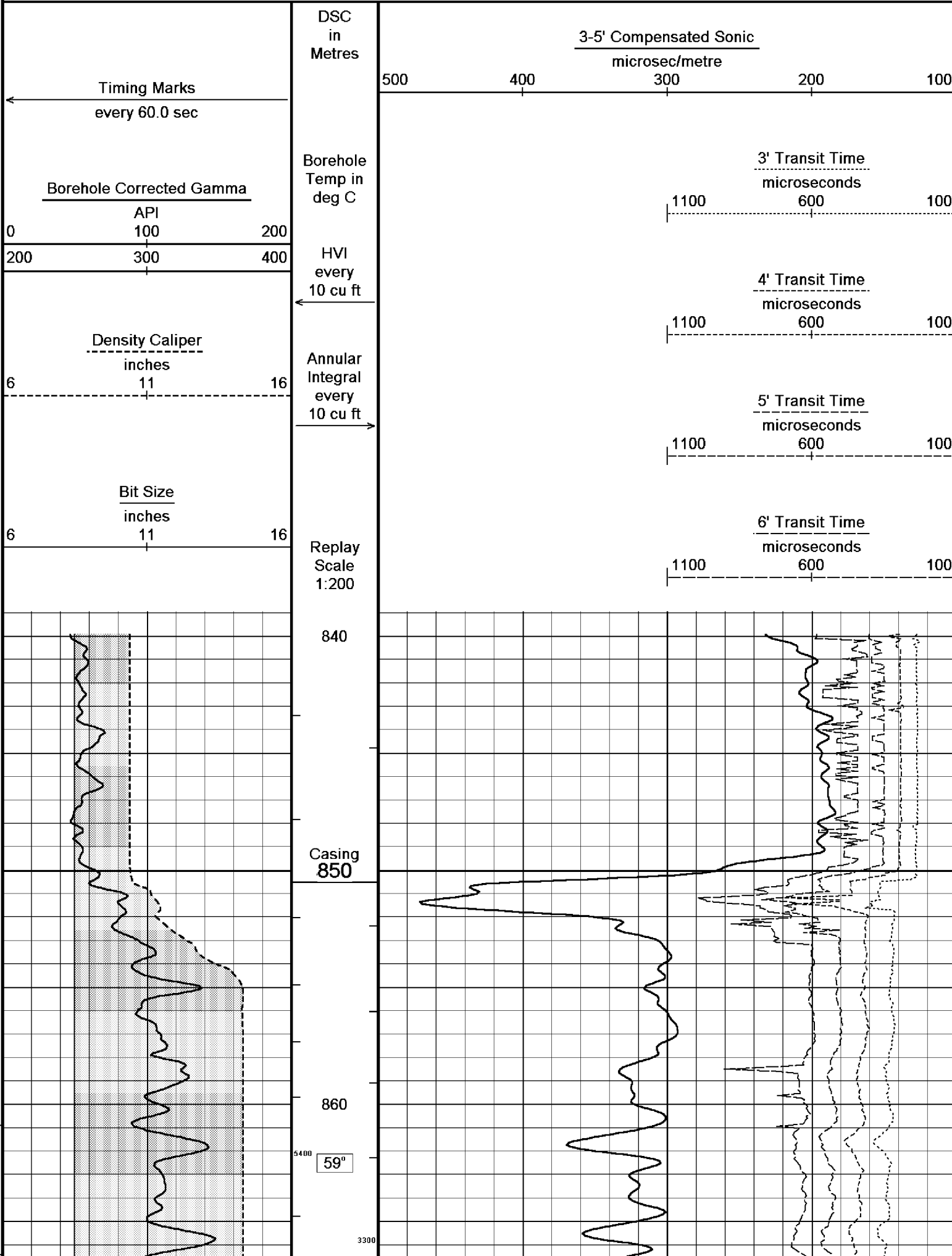
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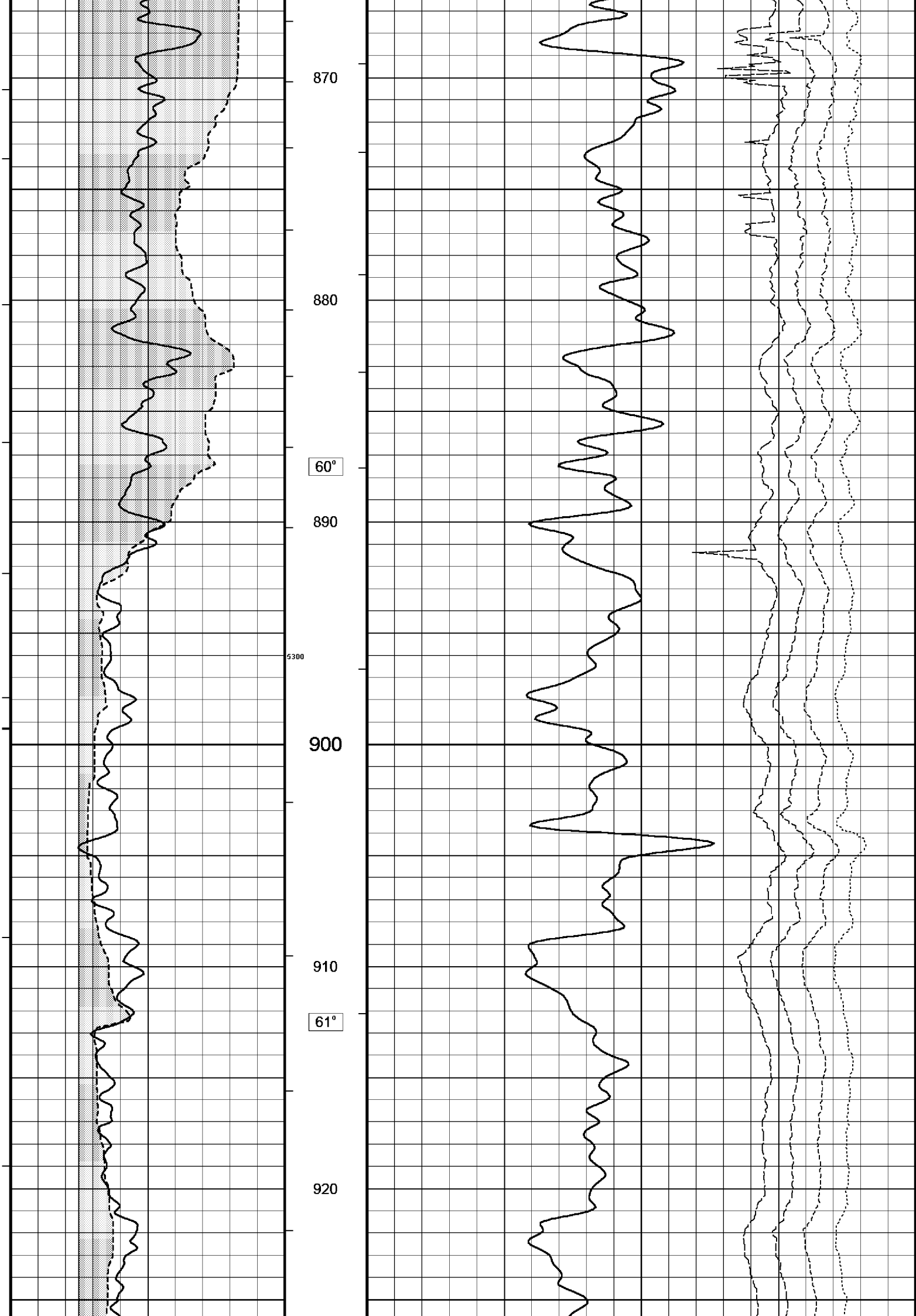
MAIN LOG 1:200

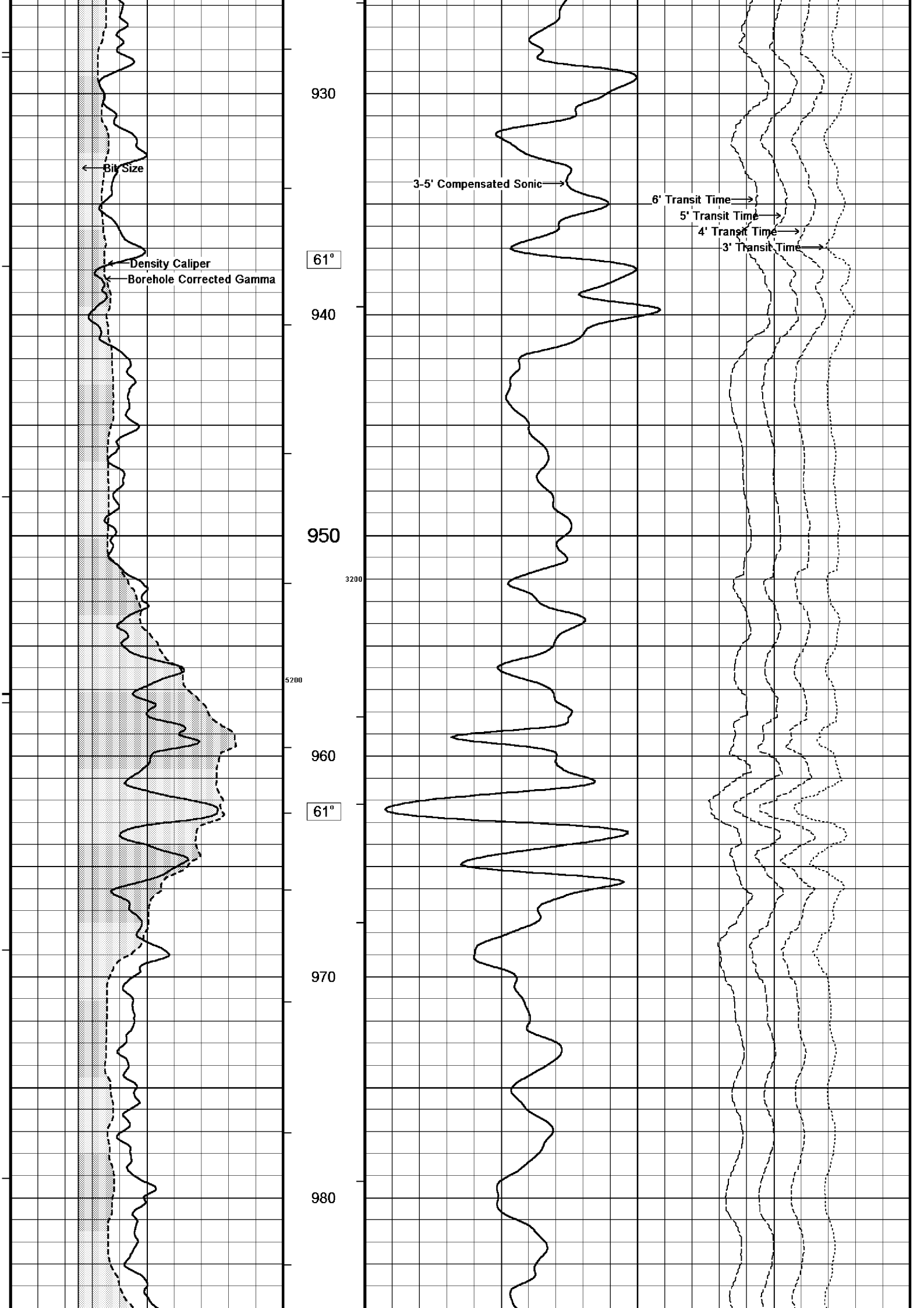
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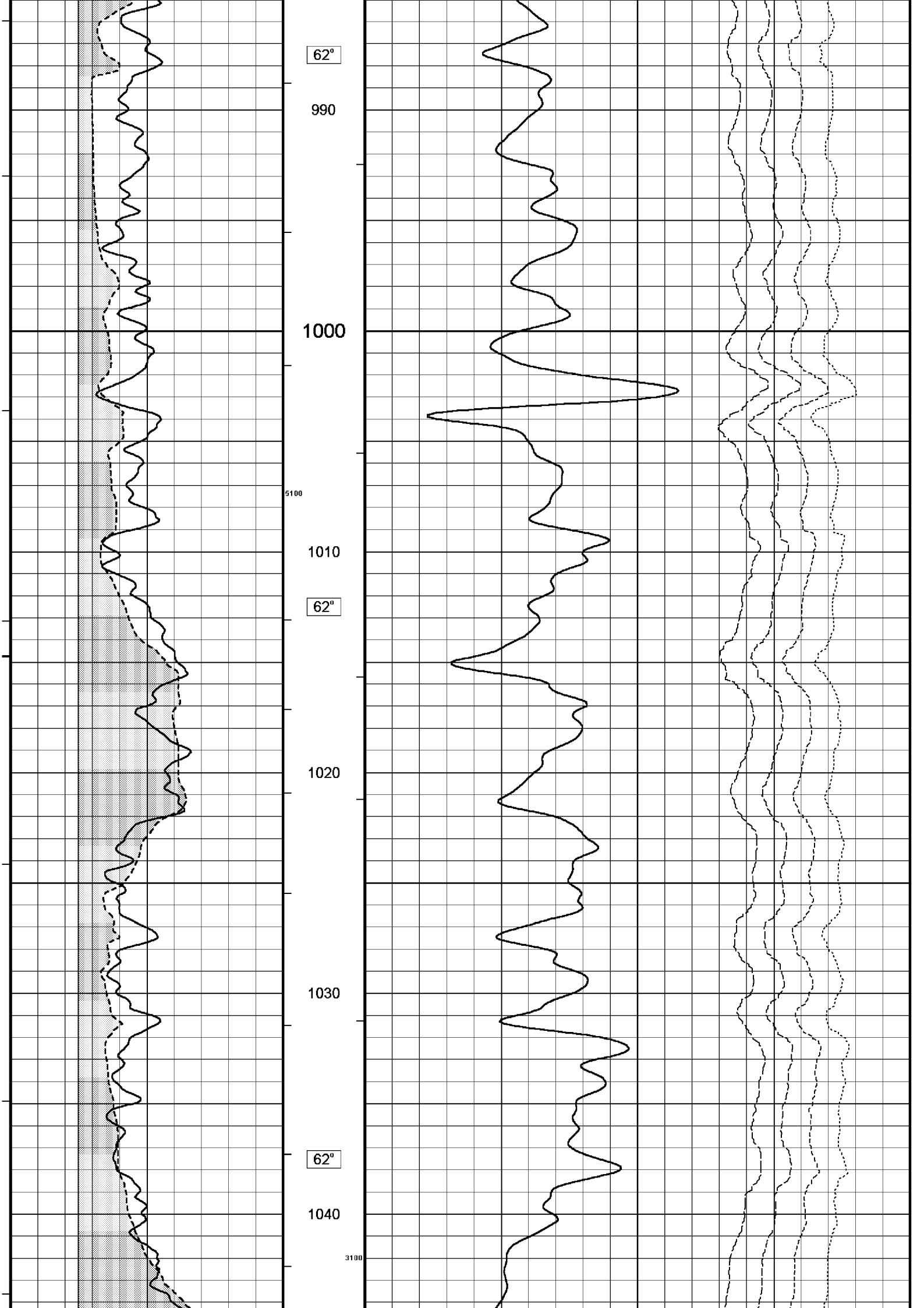
Depth Based Data - Maximum Sampling Increment 10.0cm
Filename: C:\logs\BMA_A6A\FIELD DATA\BMA_A6A_MAIN_LOG.dta
System Configuration Dates: Logged 17-JUN-2004: Processed 17-JUN-2004: Plotted 17-JUN-2004:

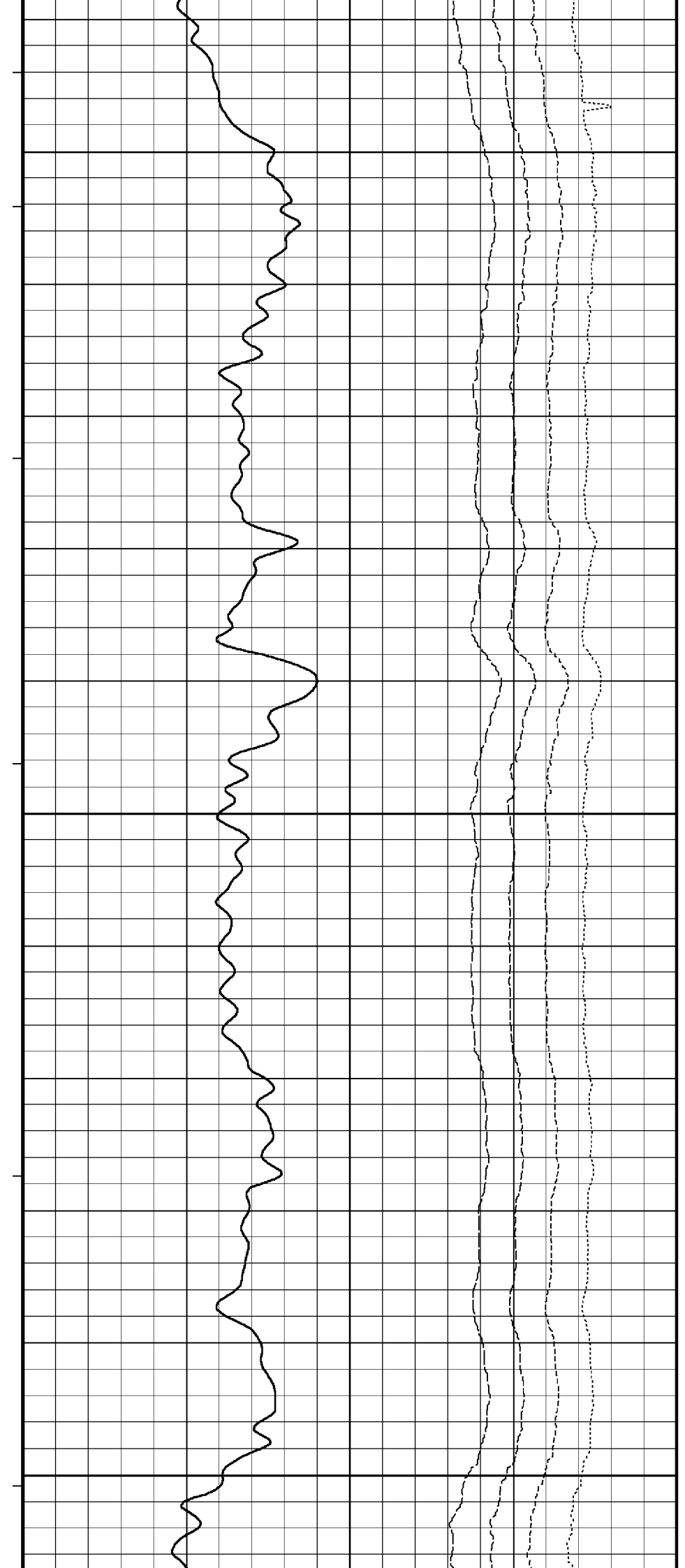
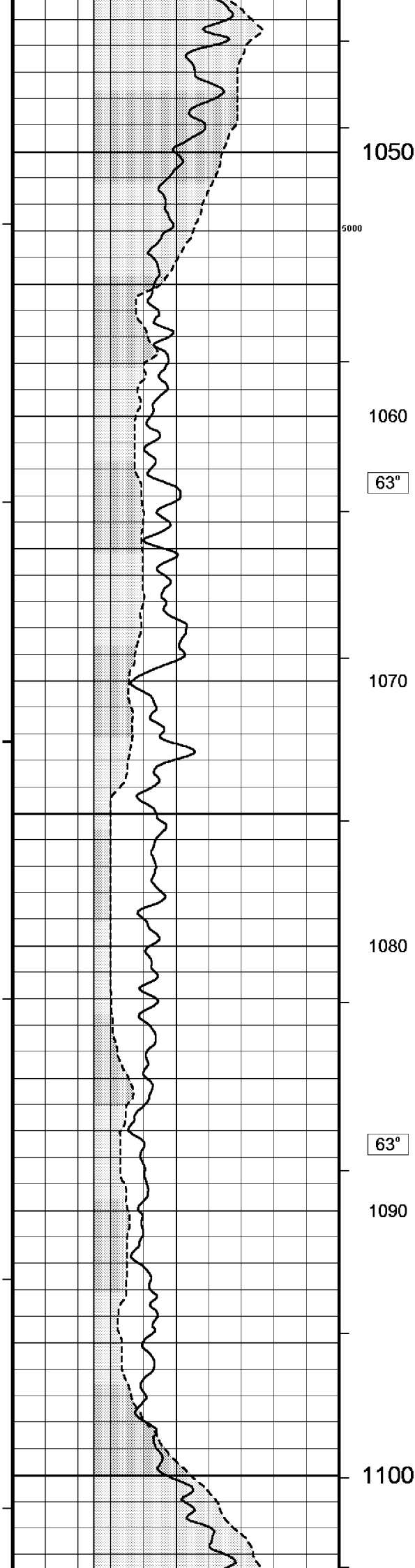
Plotted on 15-FEB-2006 05:25
Recorded on 14-FEB-2006 22:51

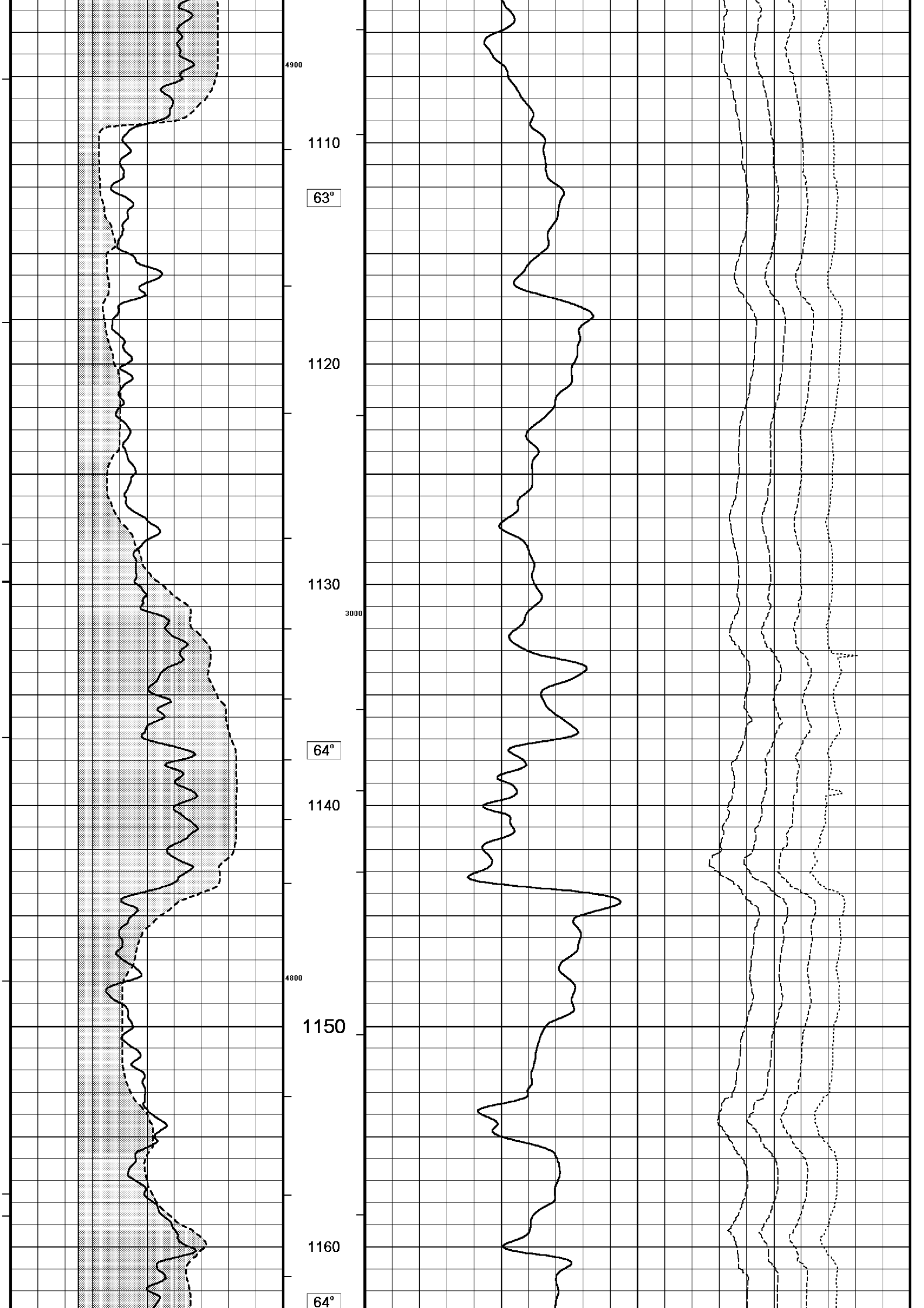


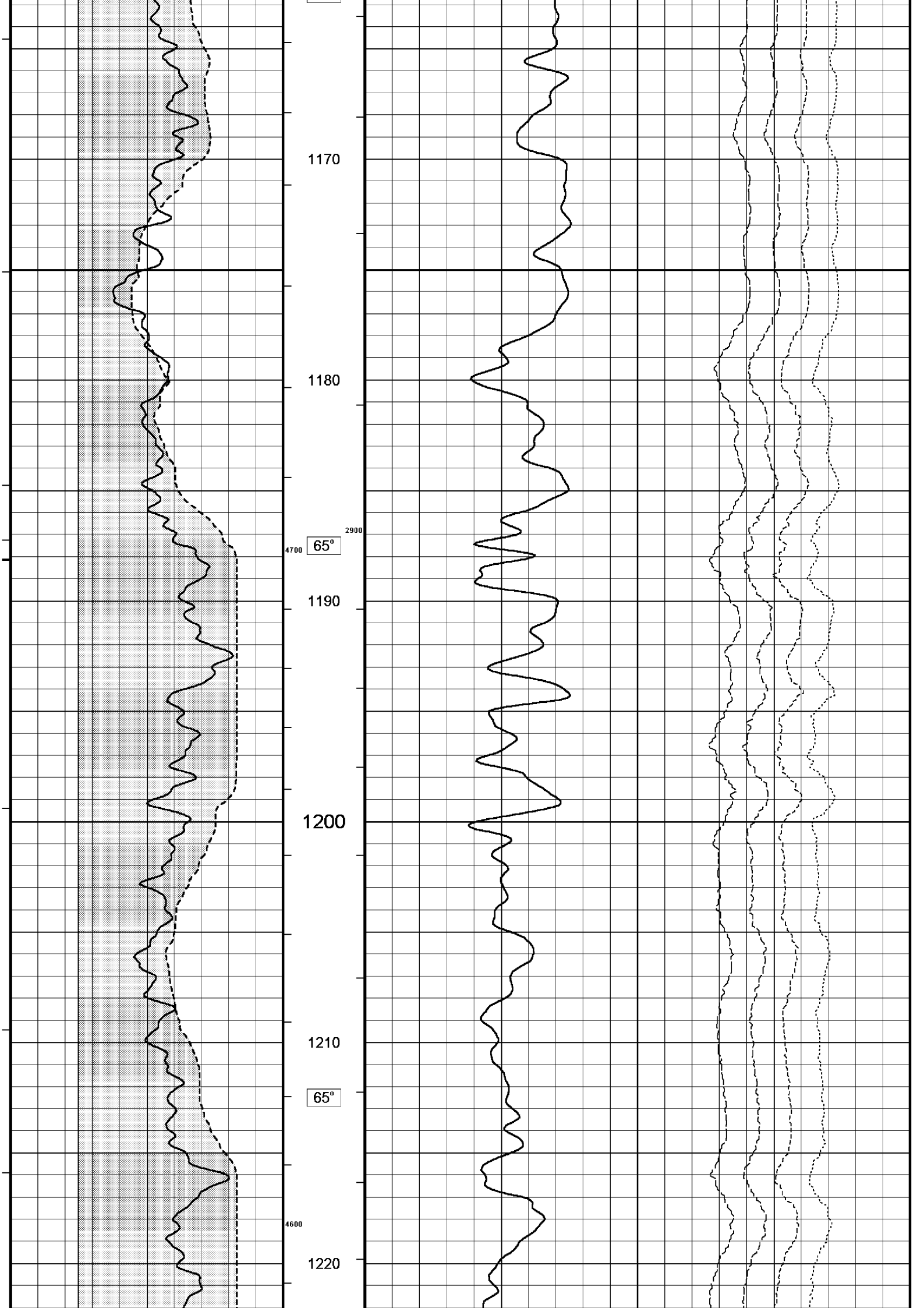


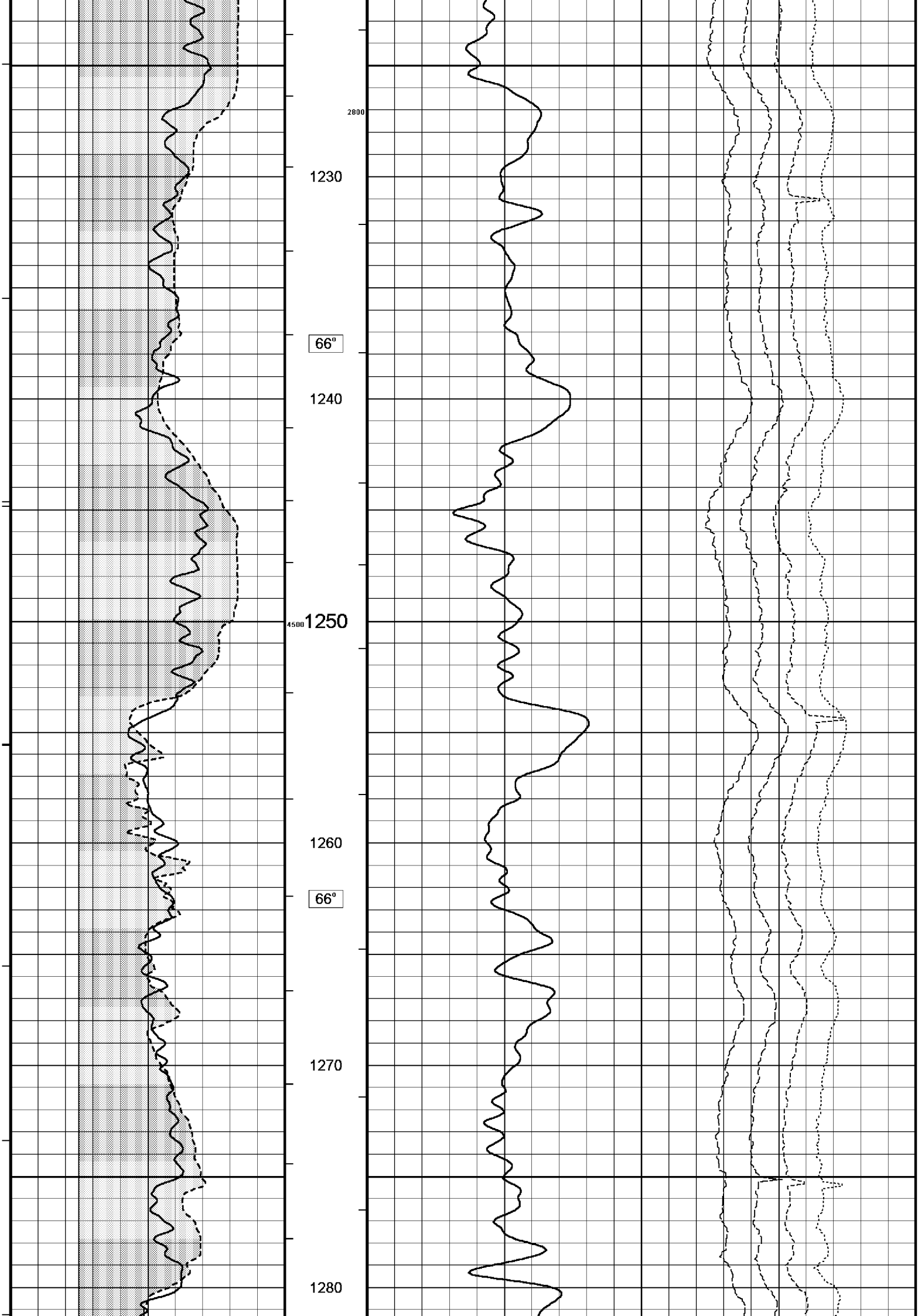


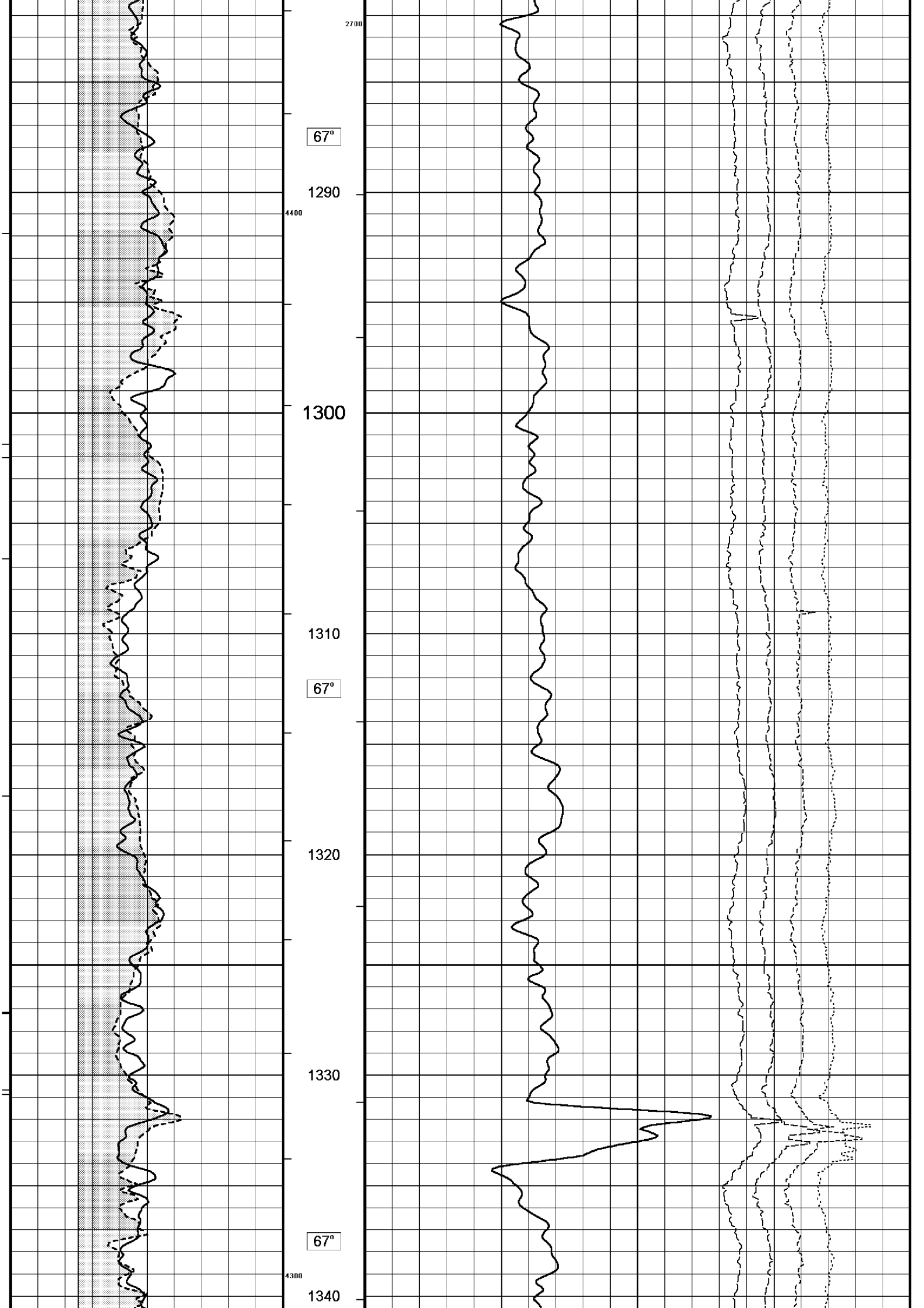


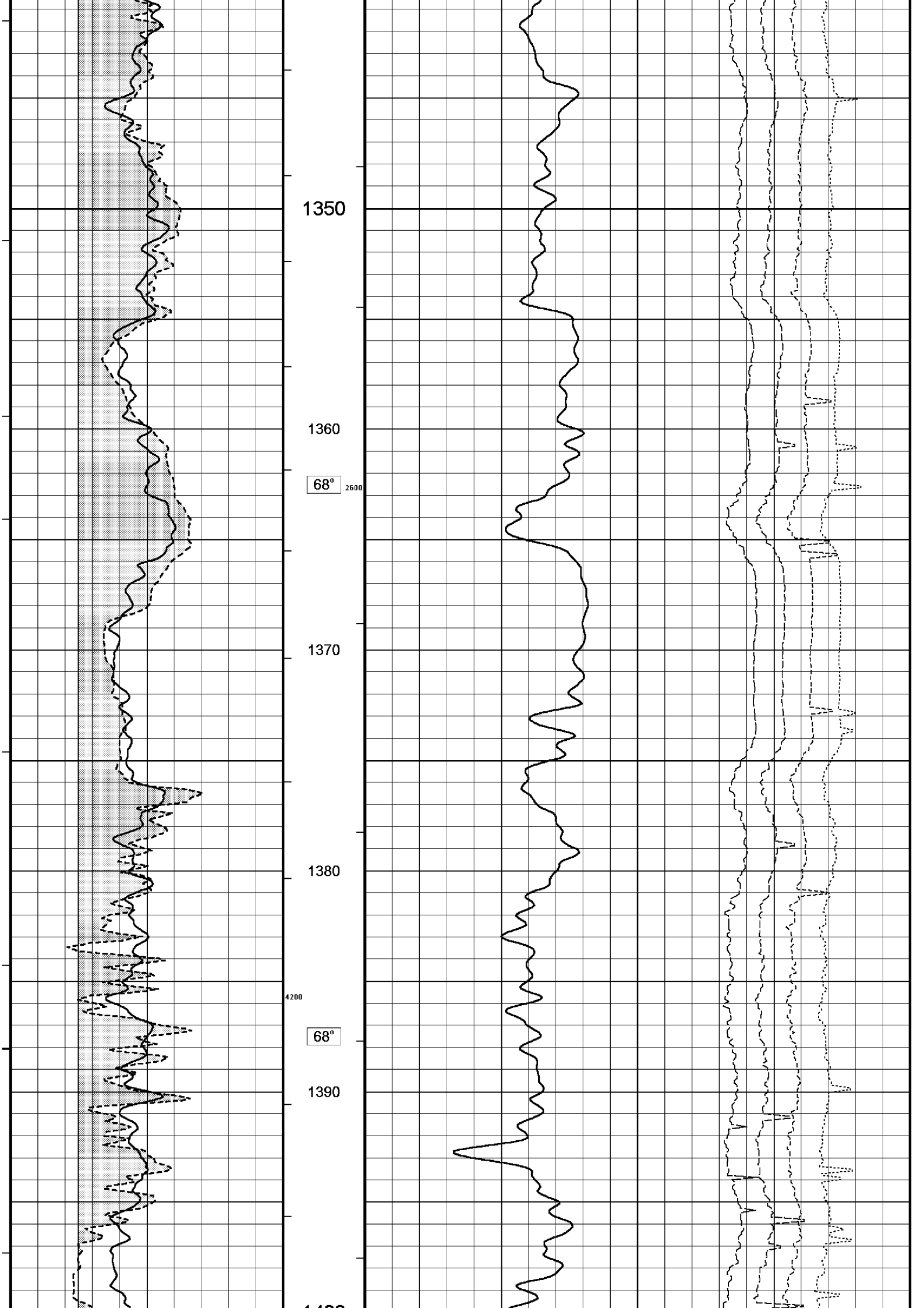


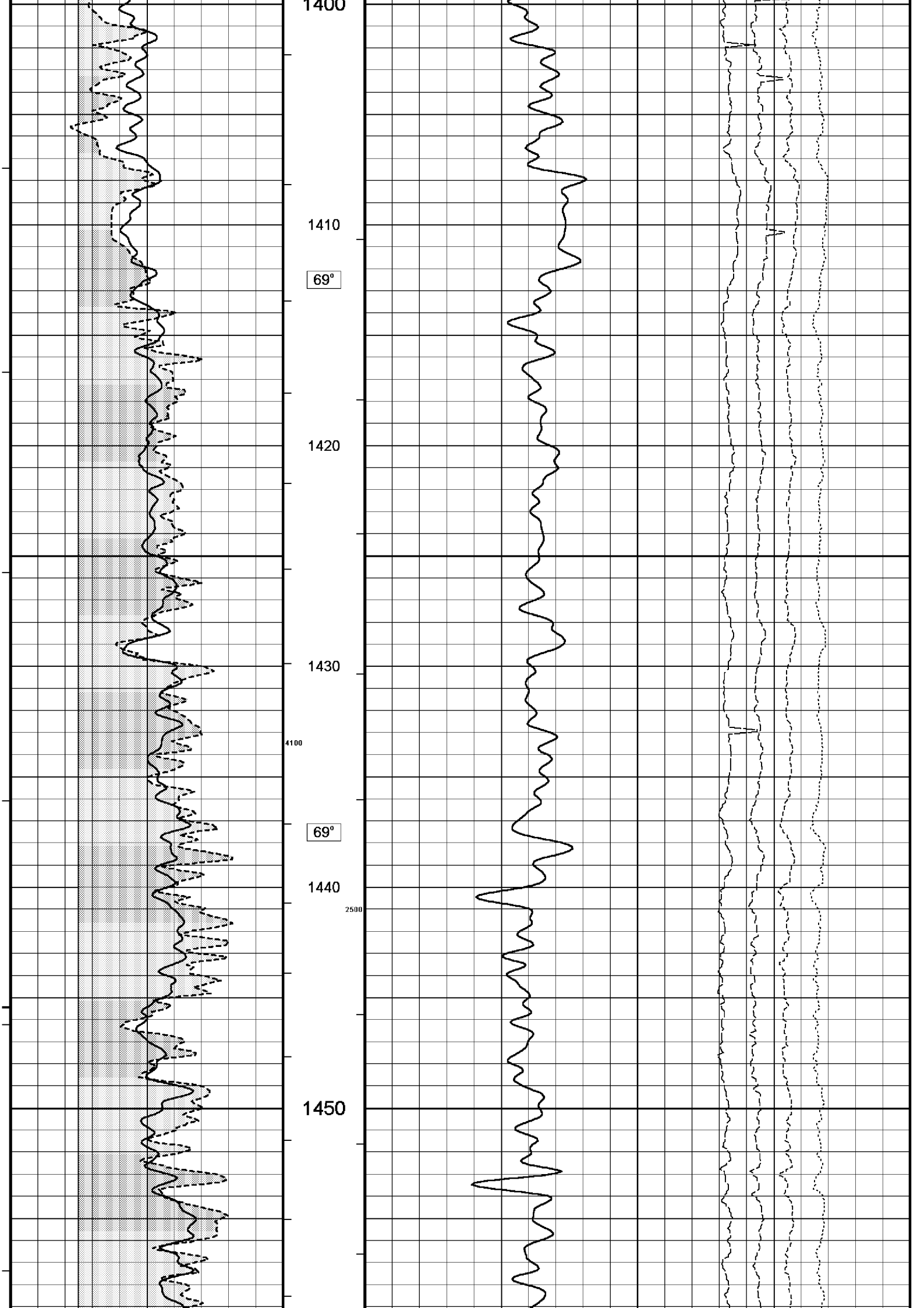


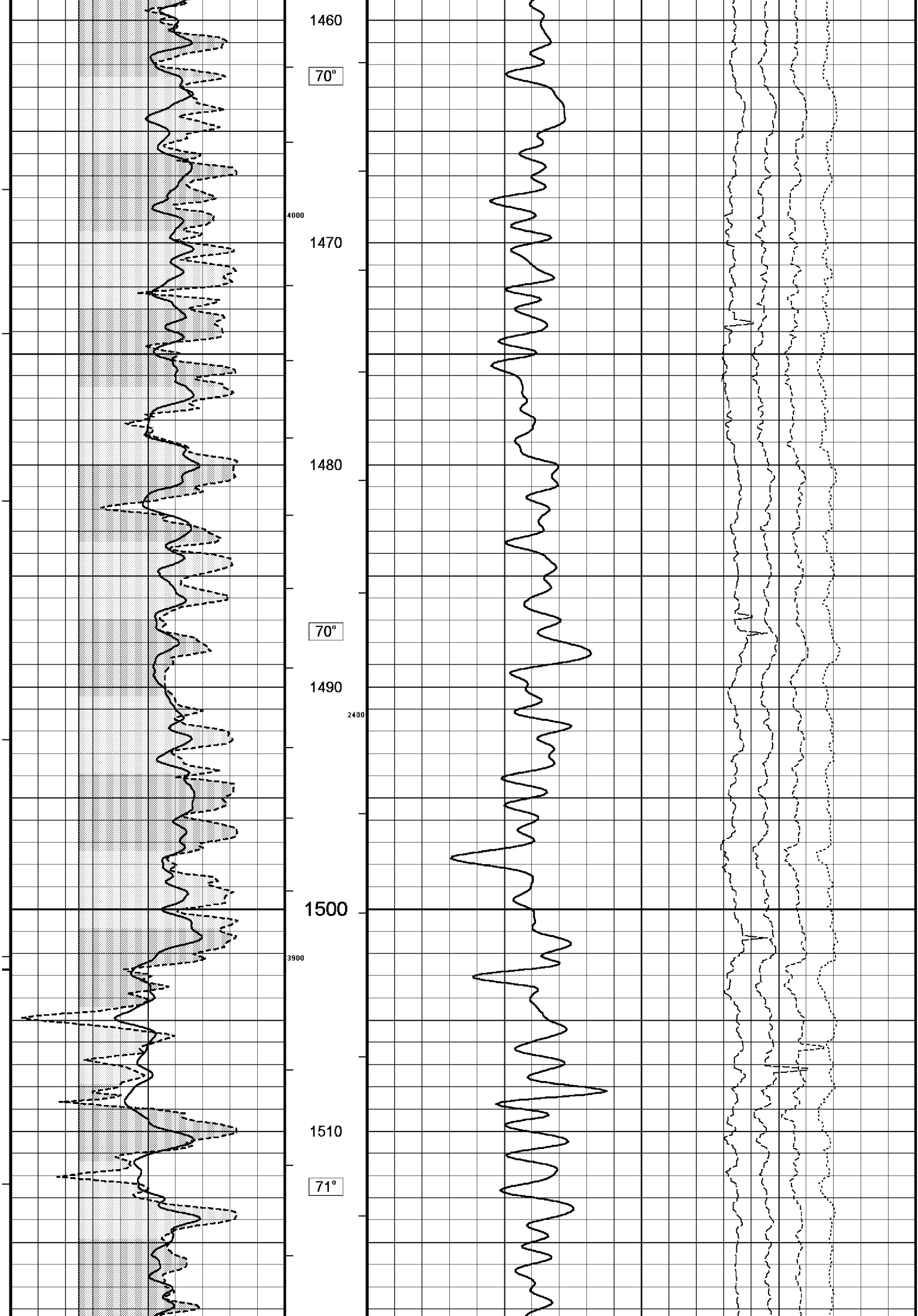


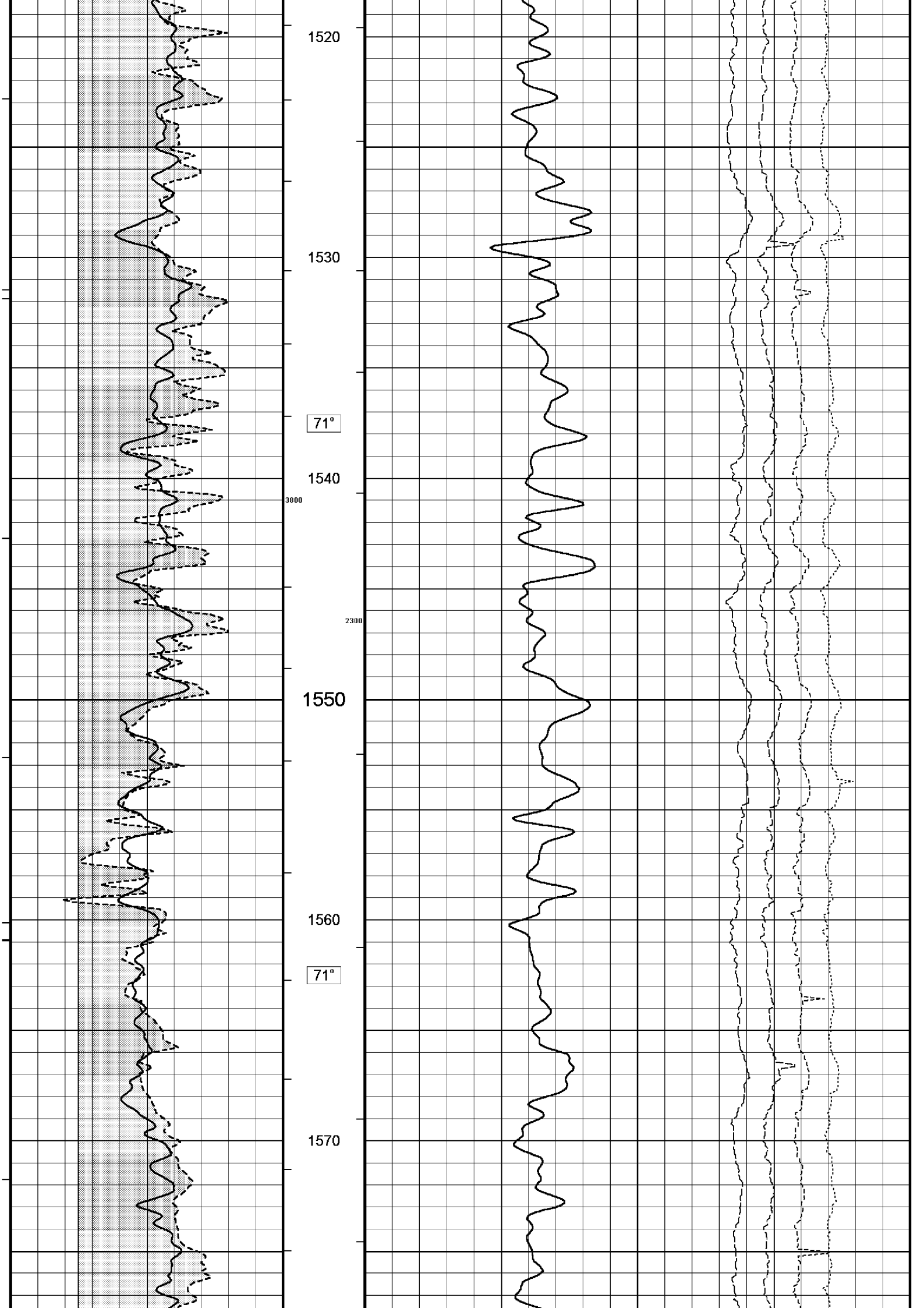


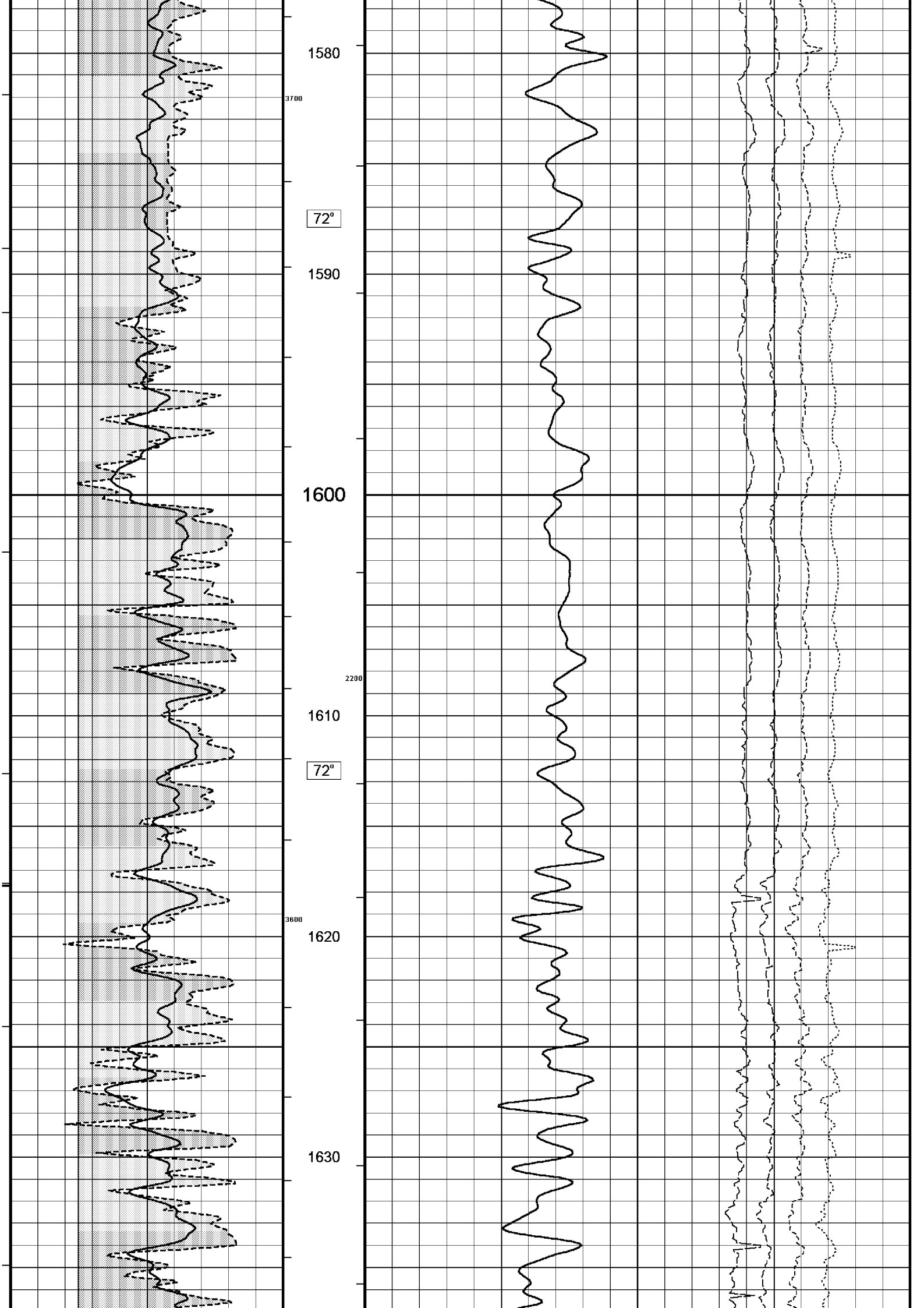


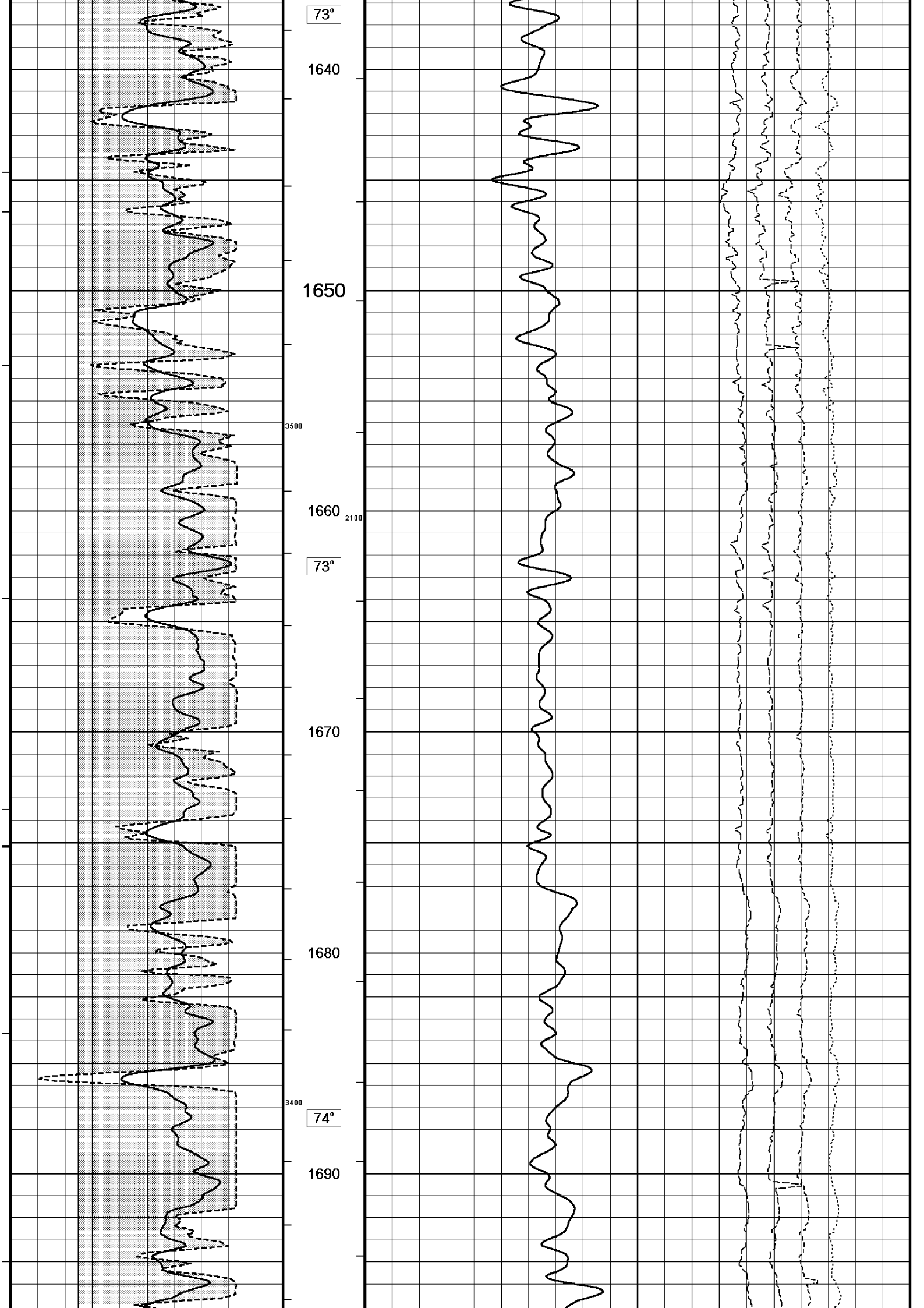


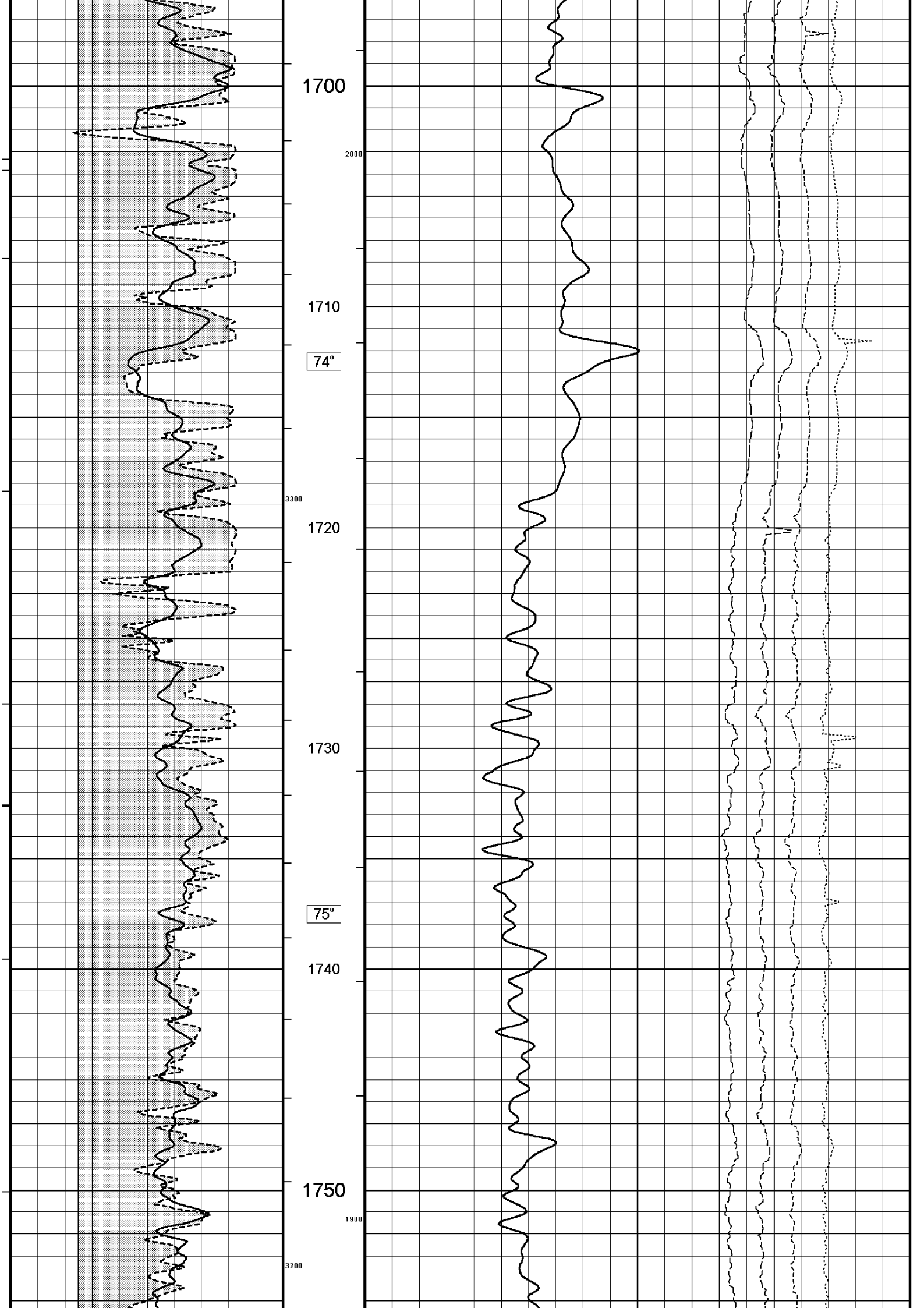


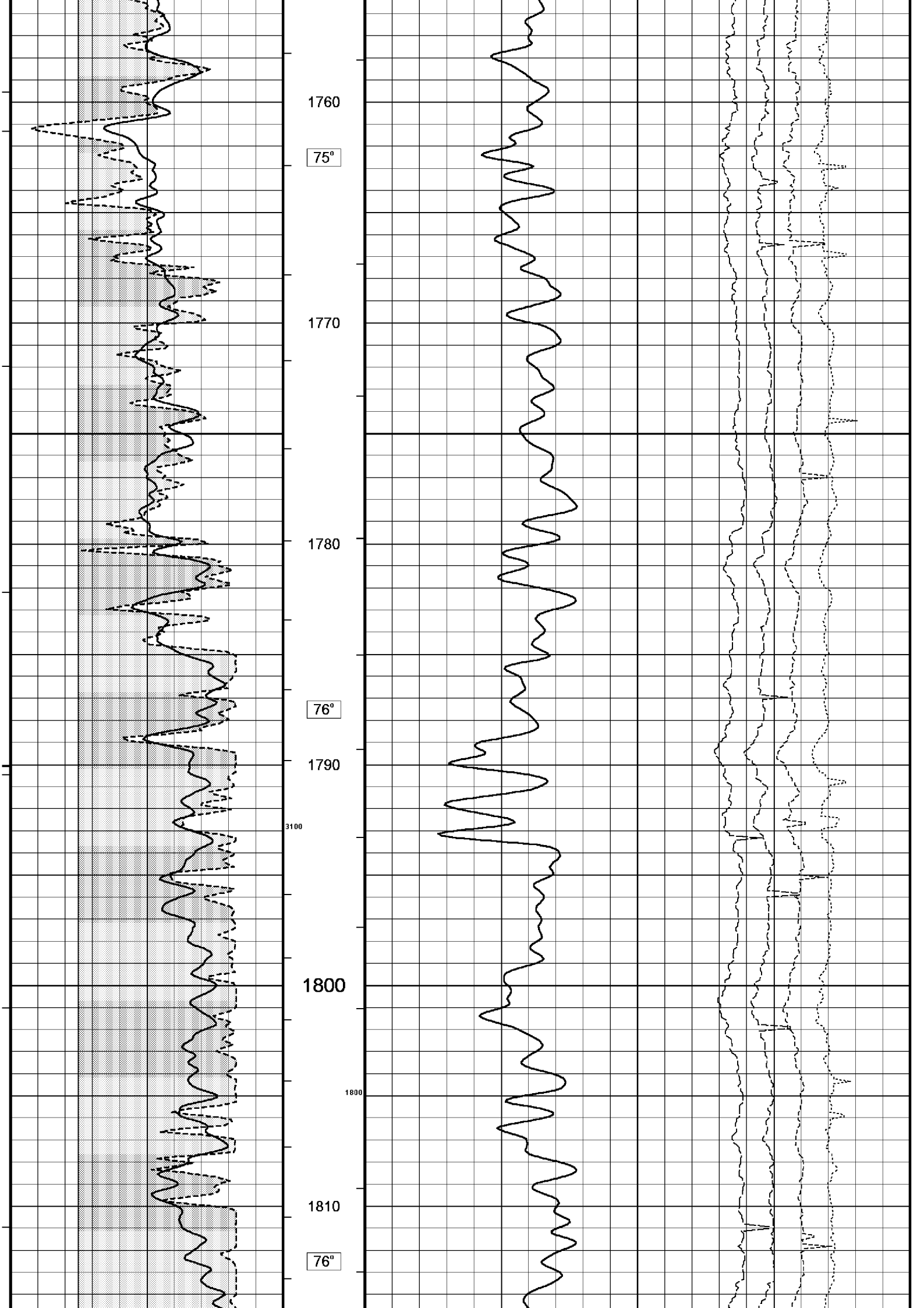


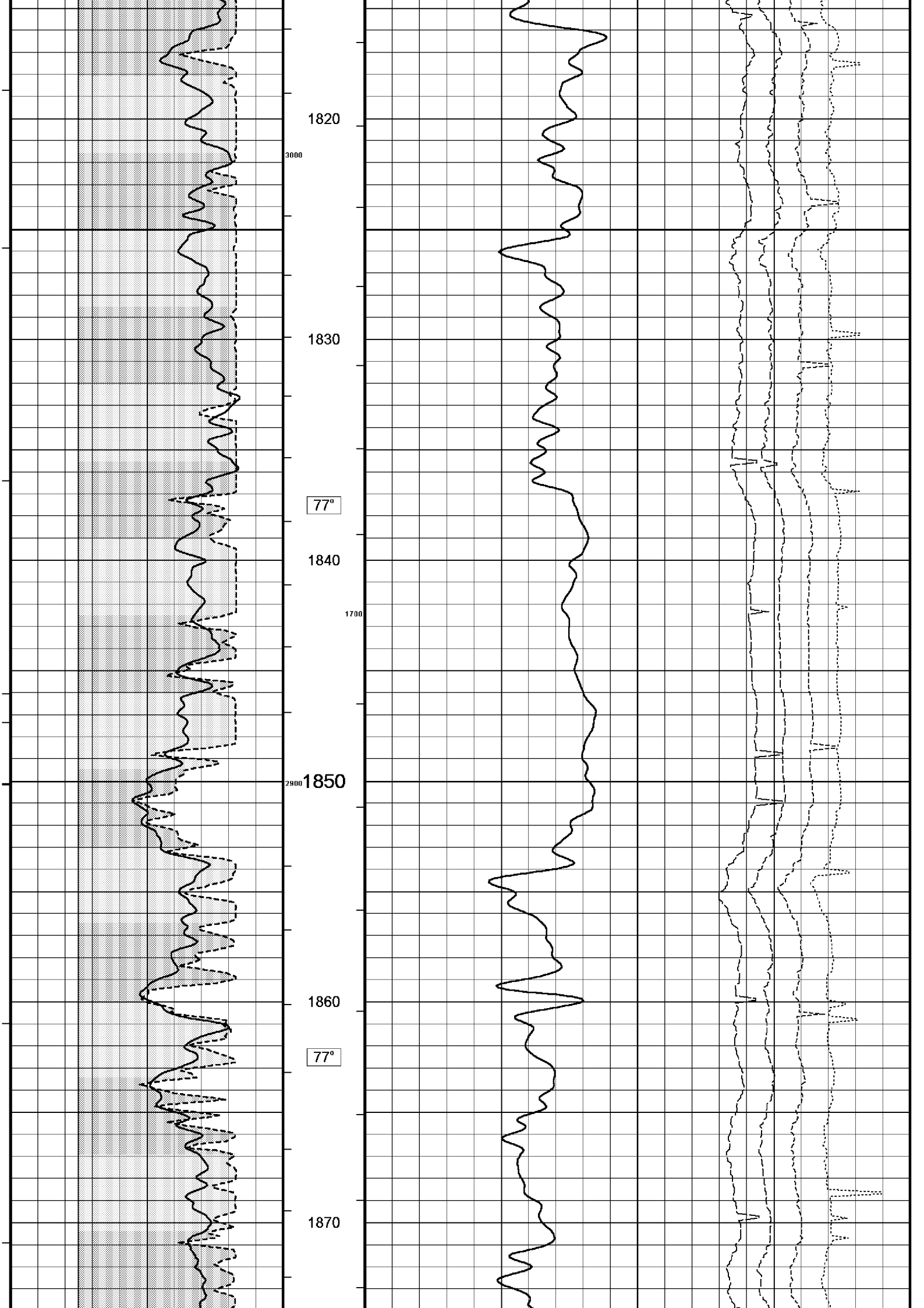


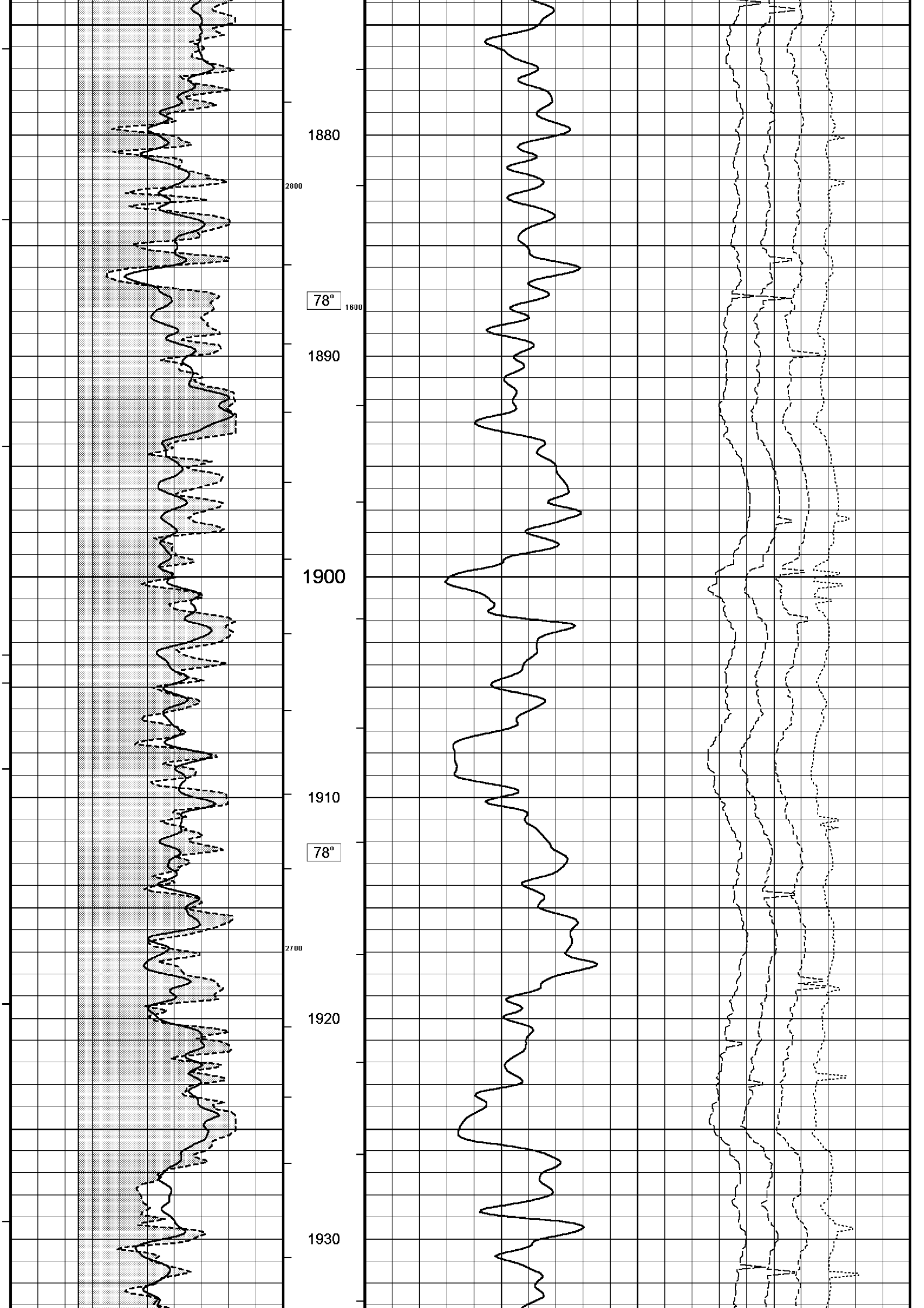


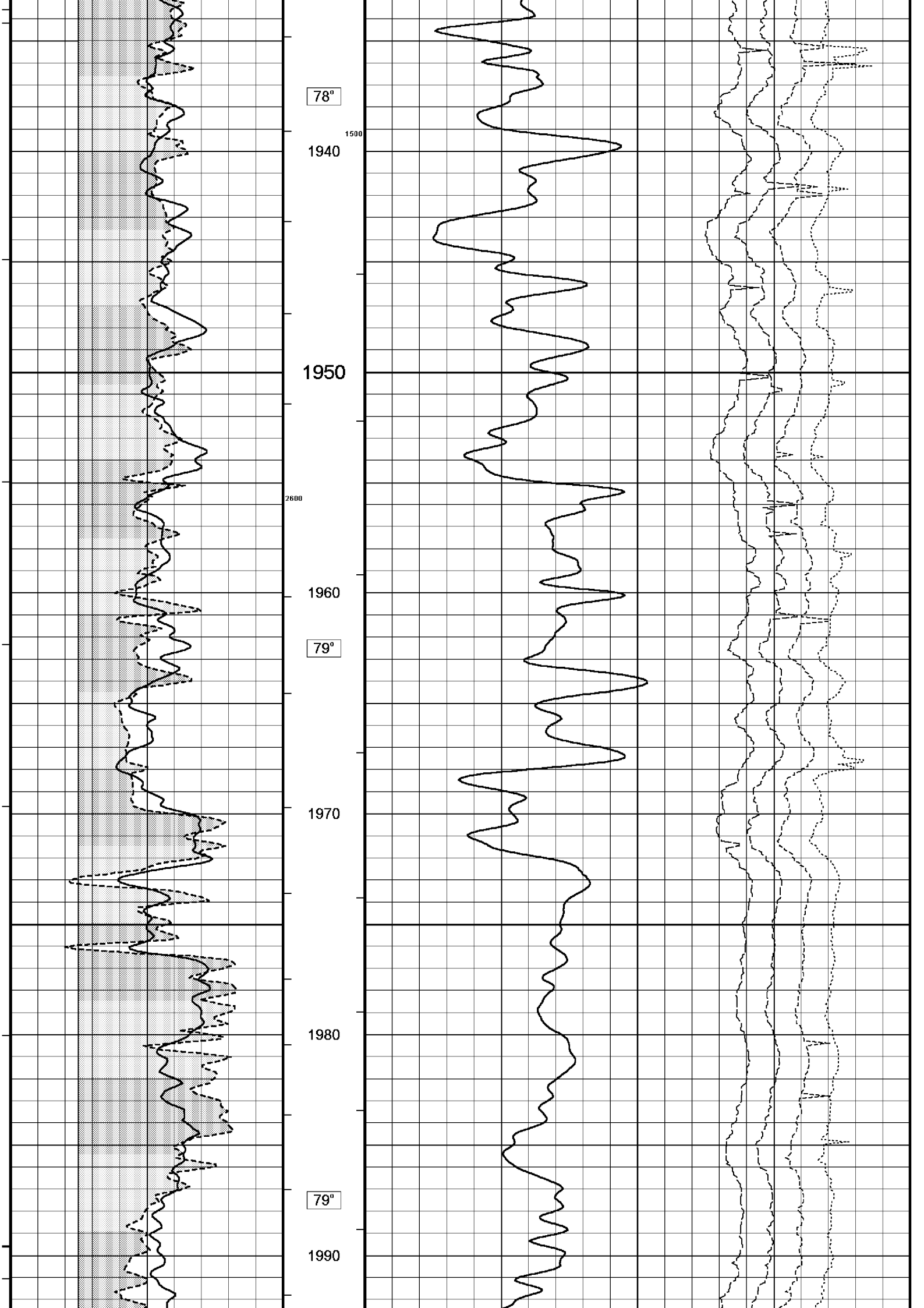


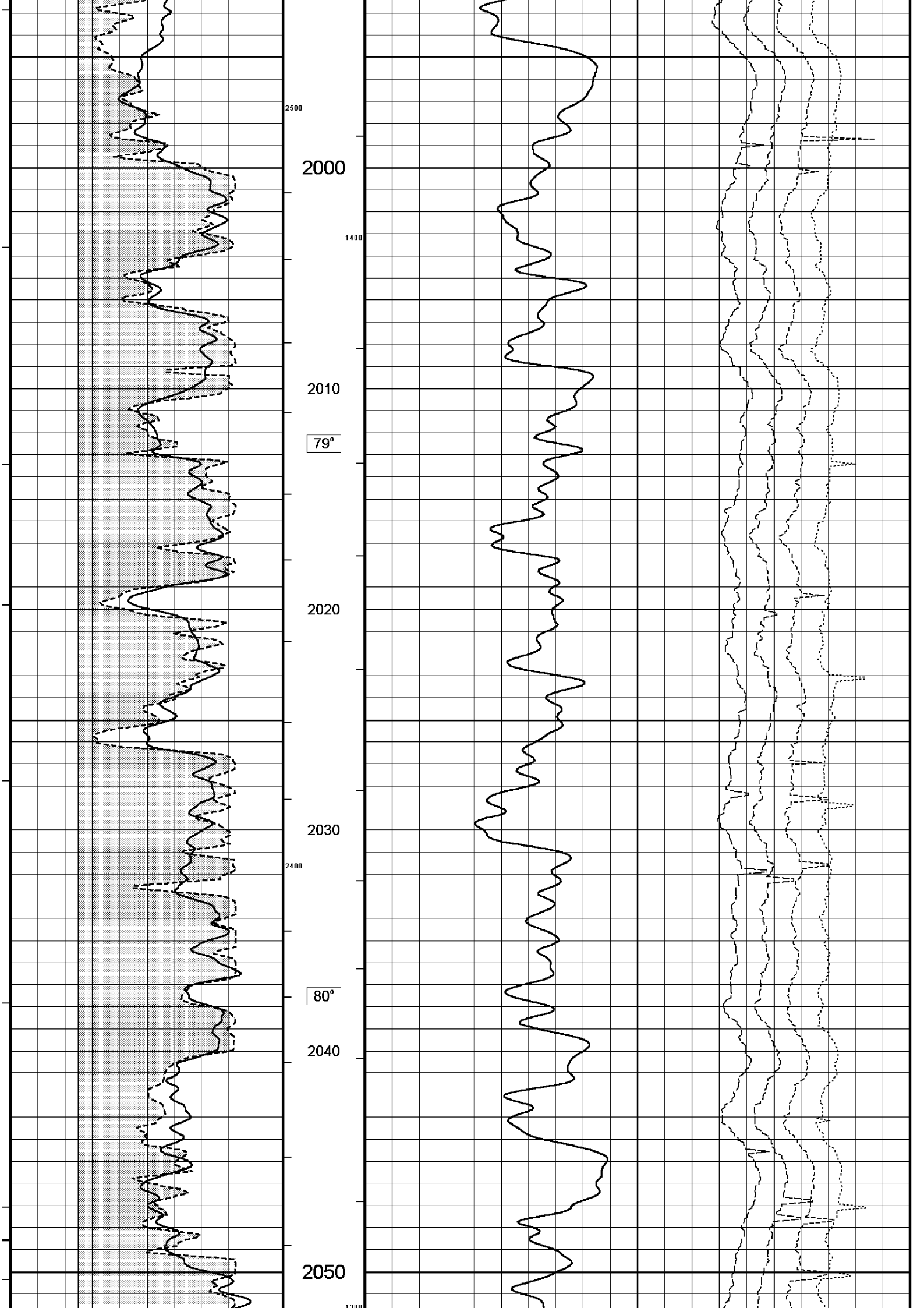


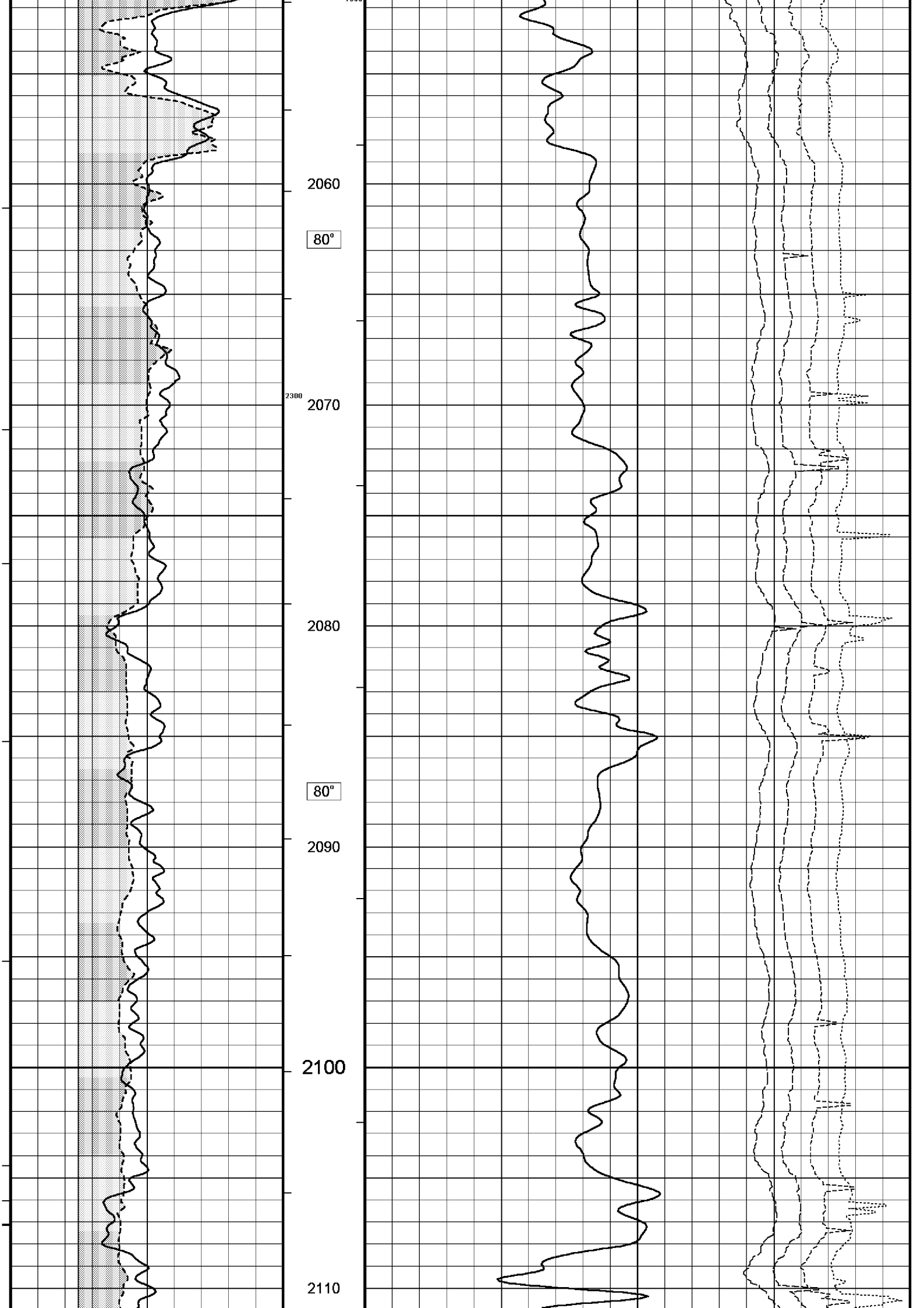


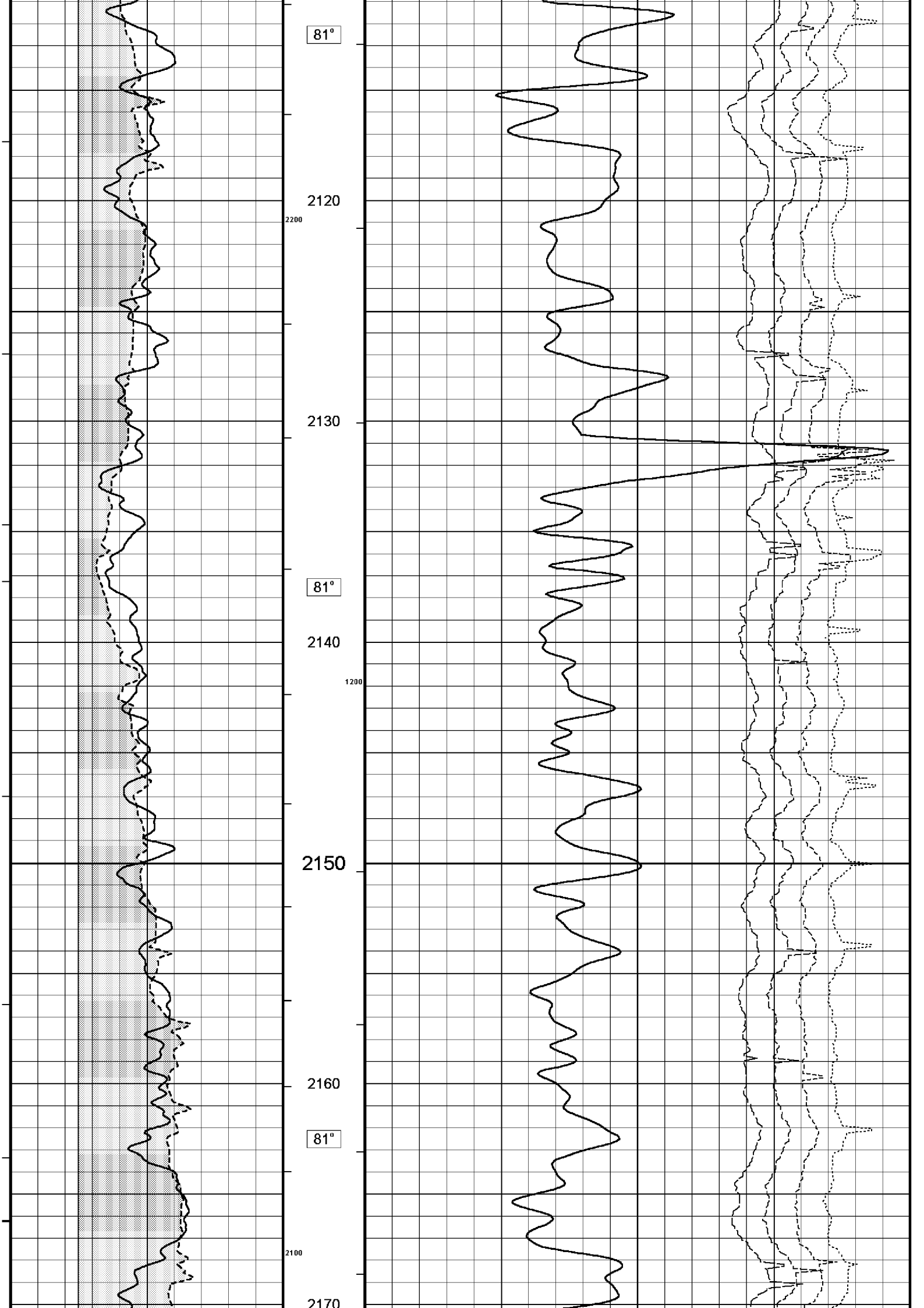


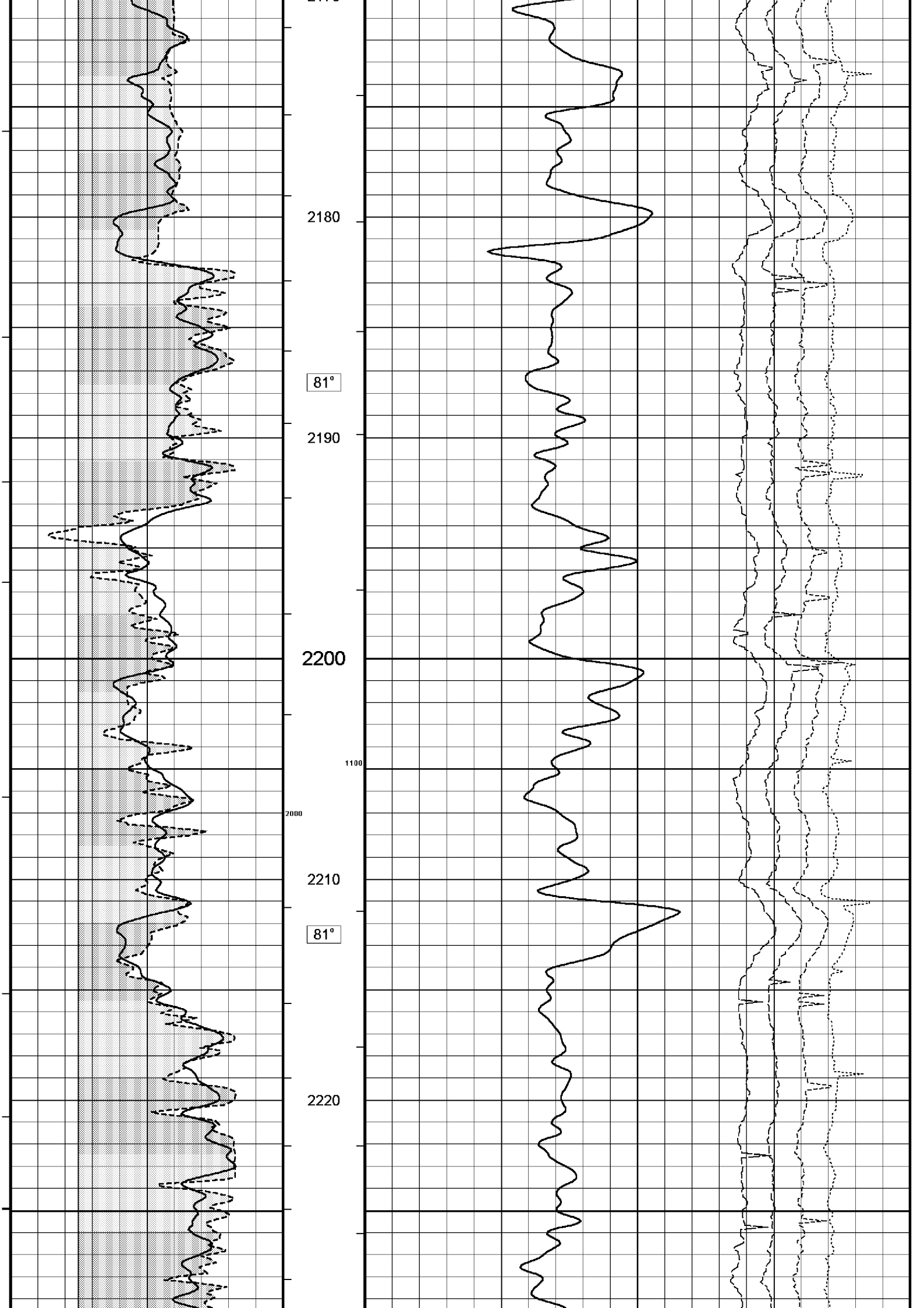


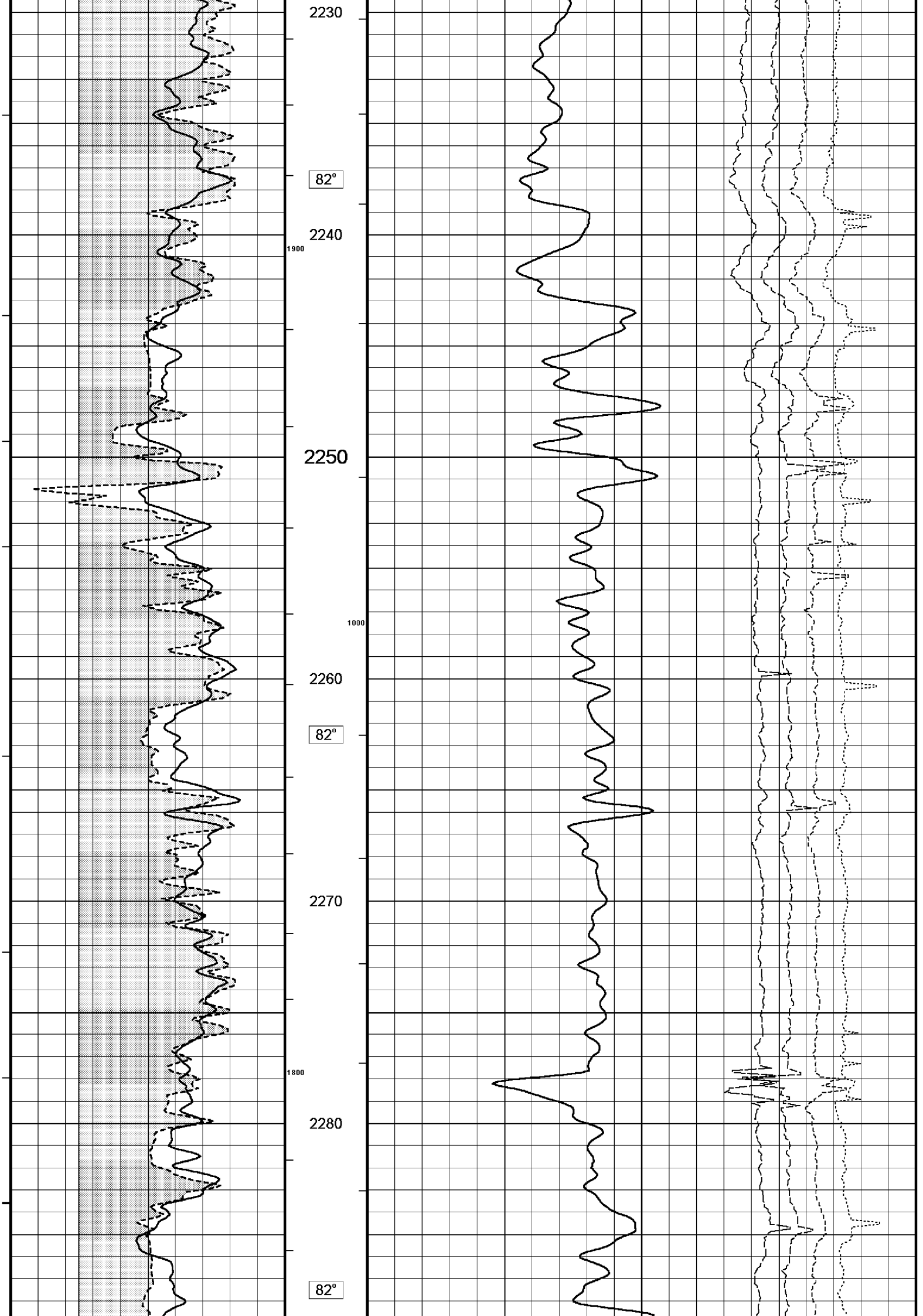


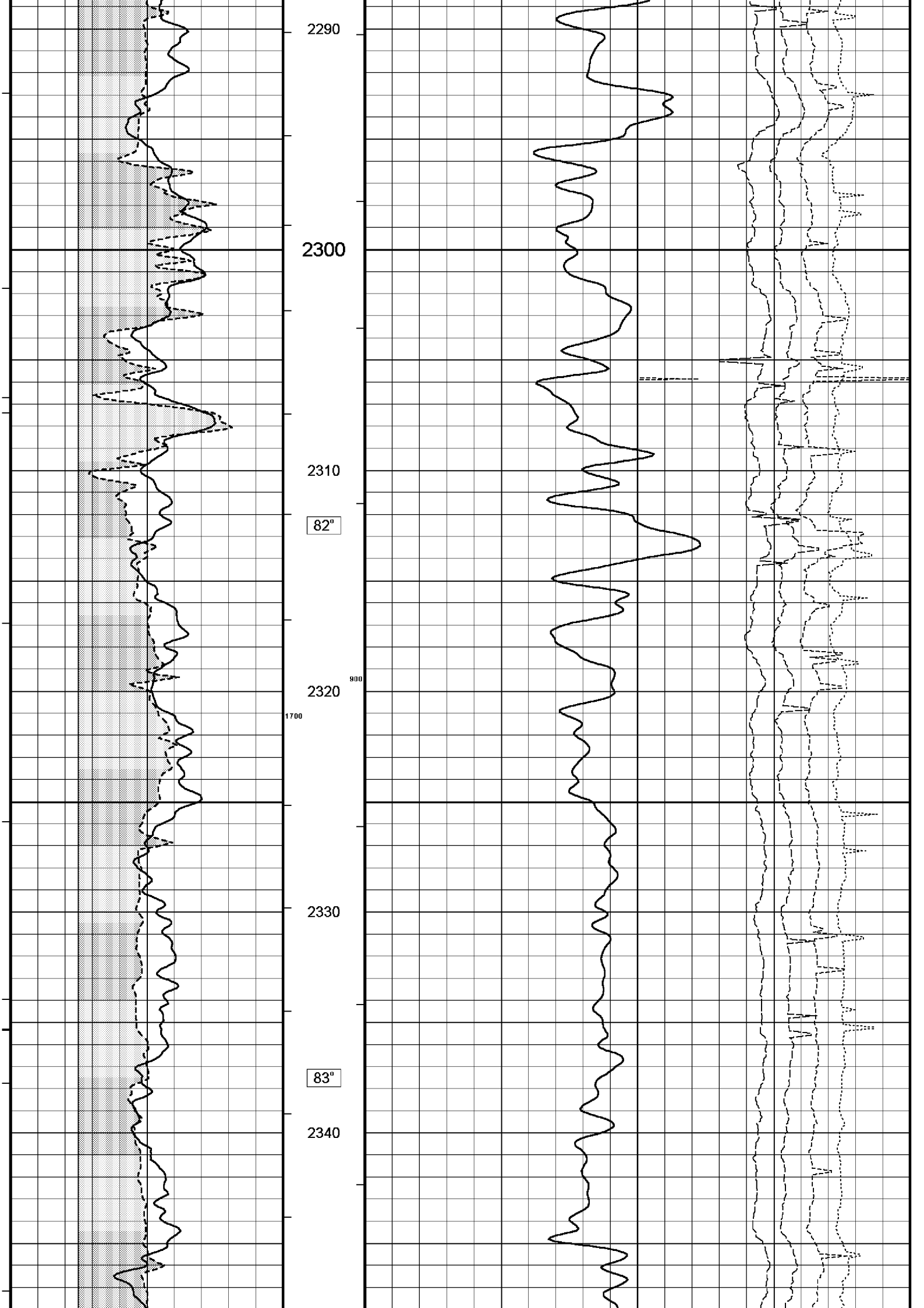


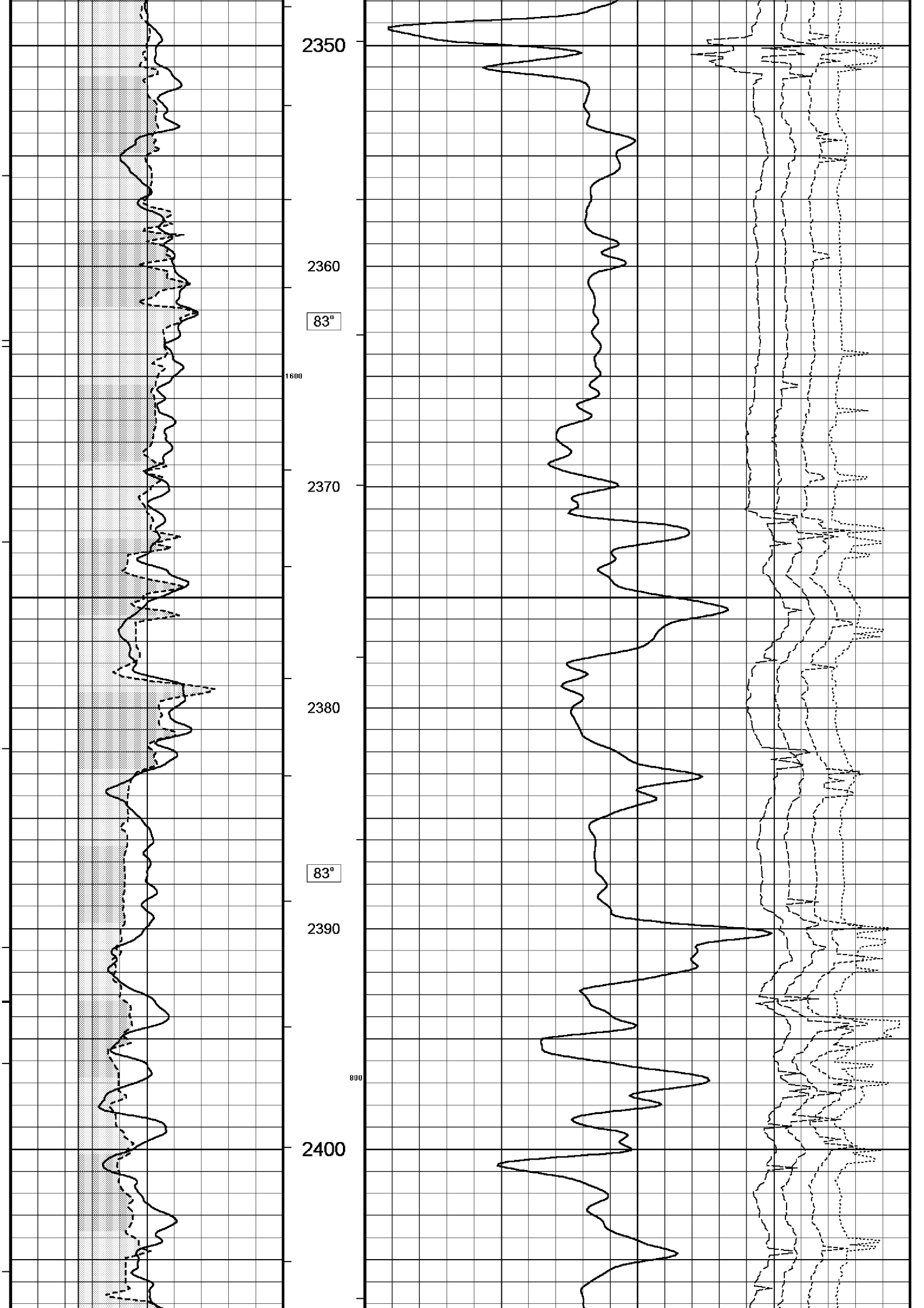


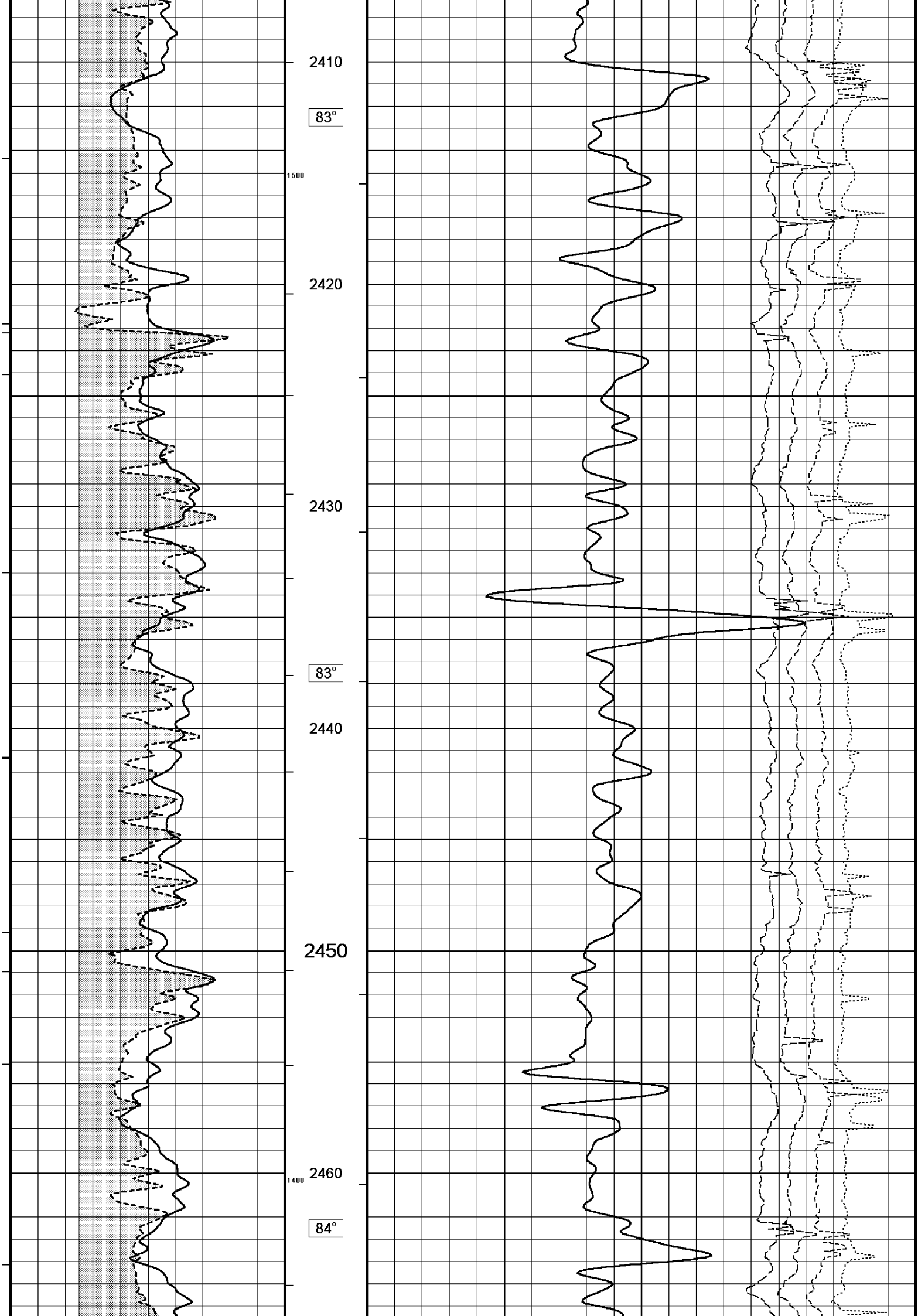


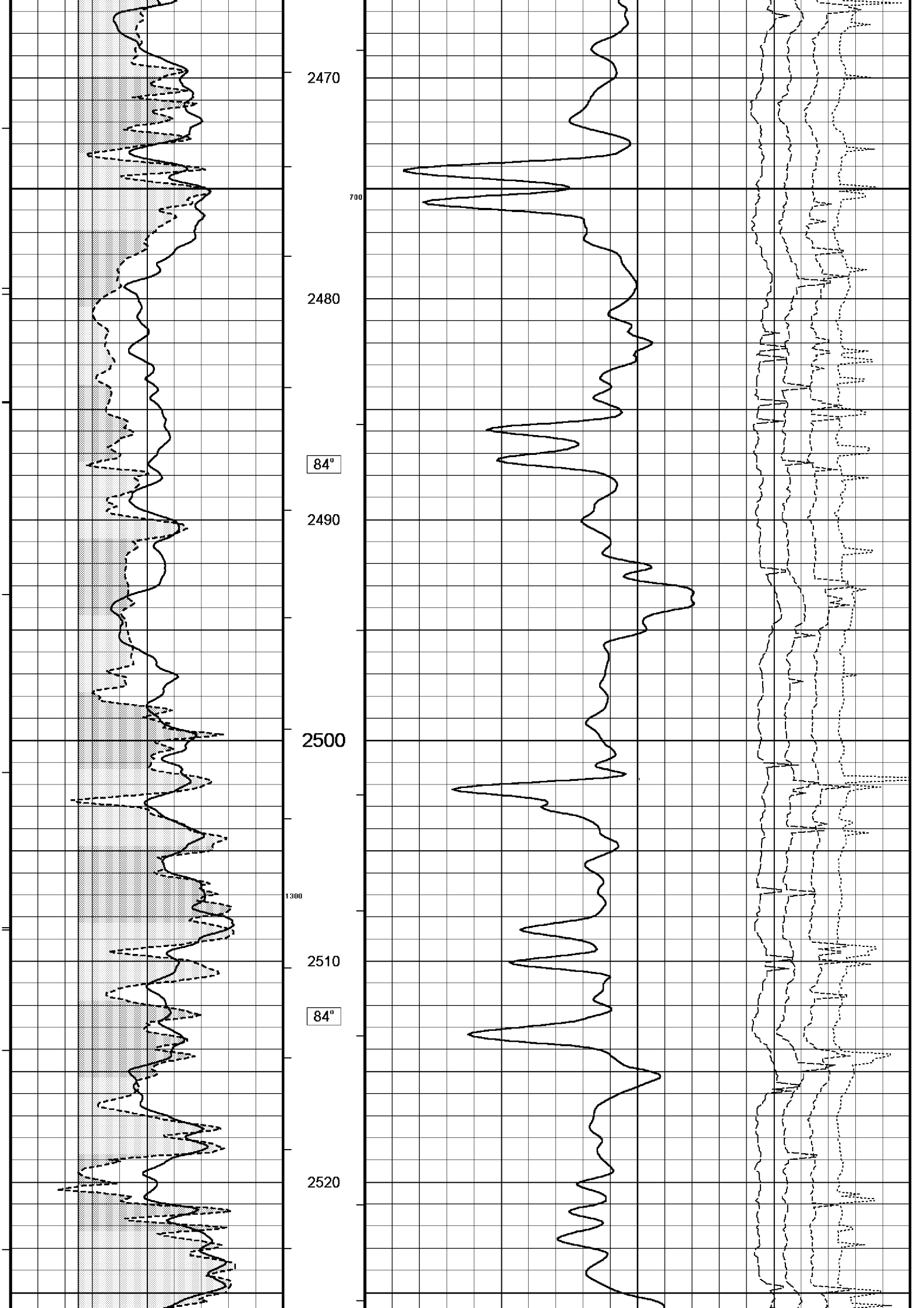


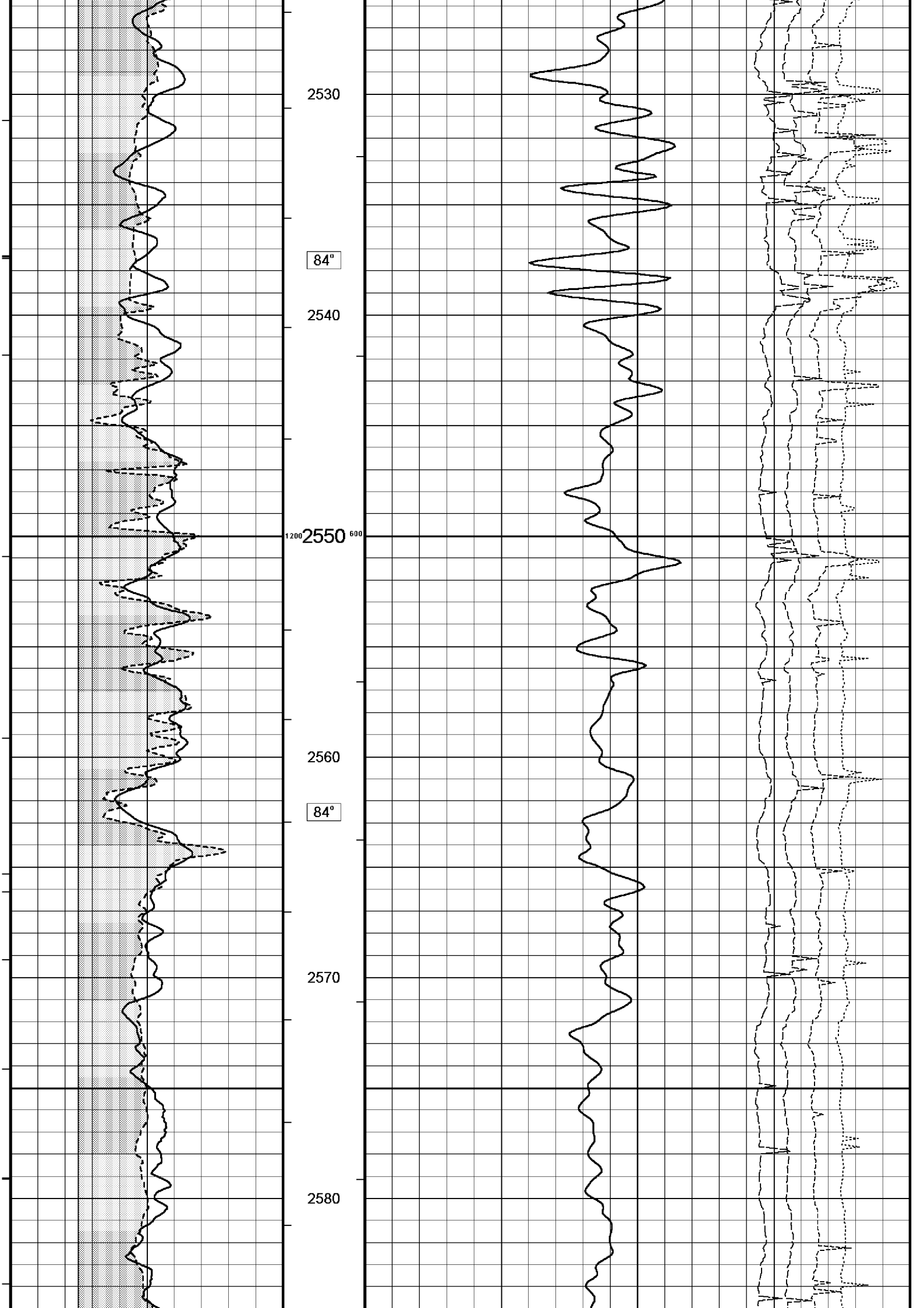


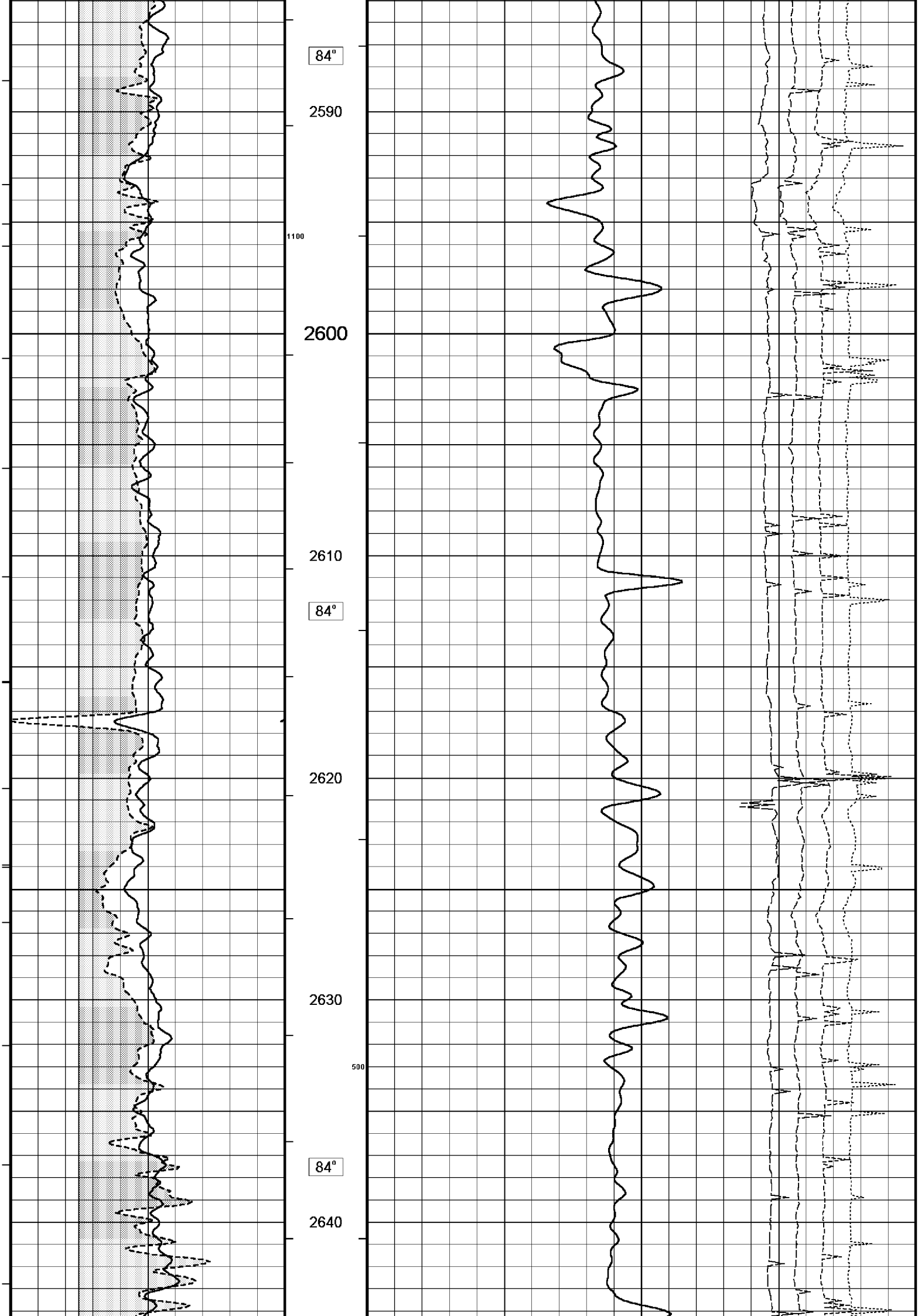


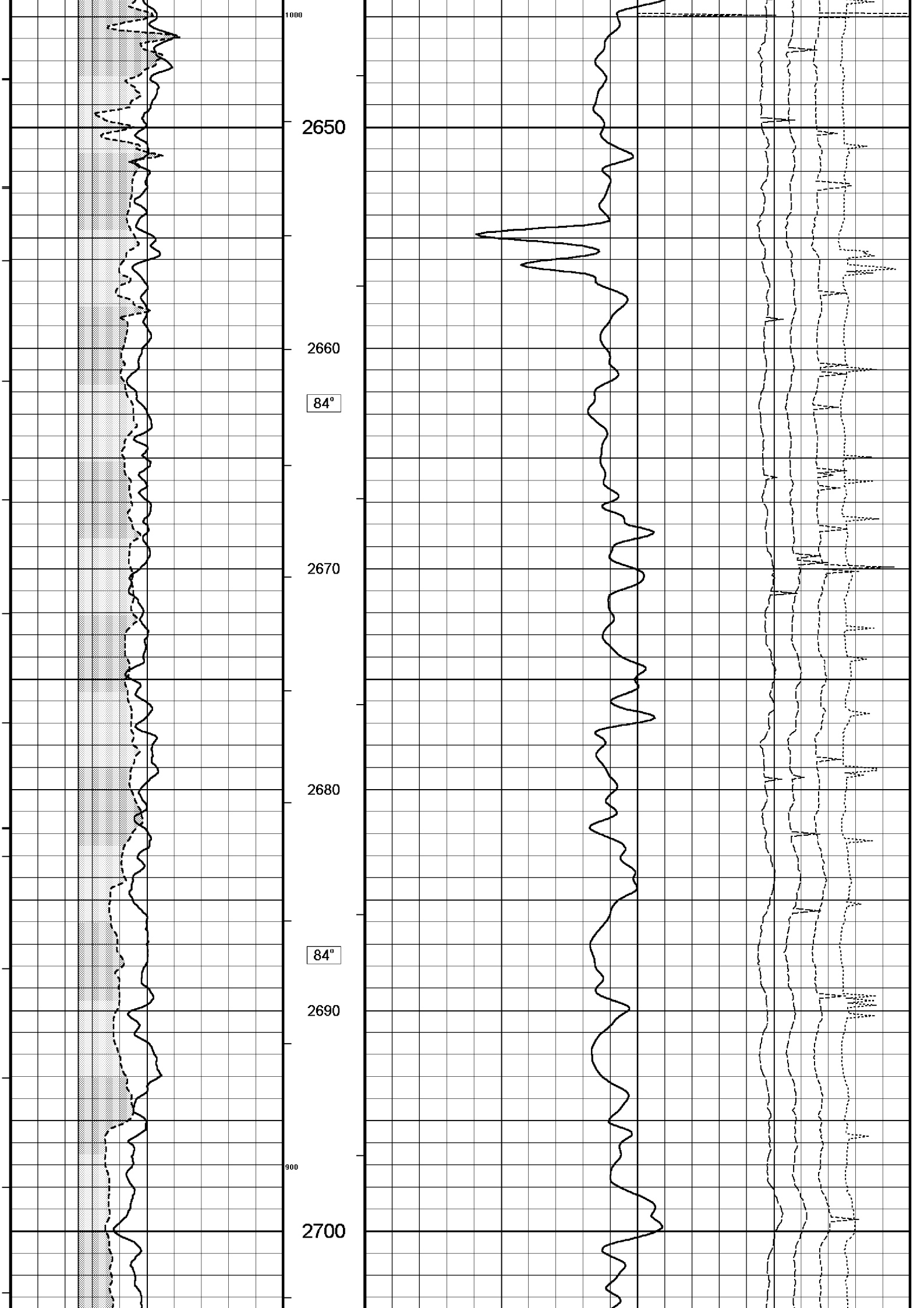


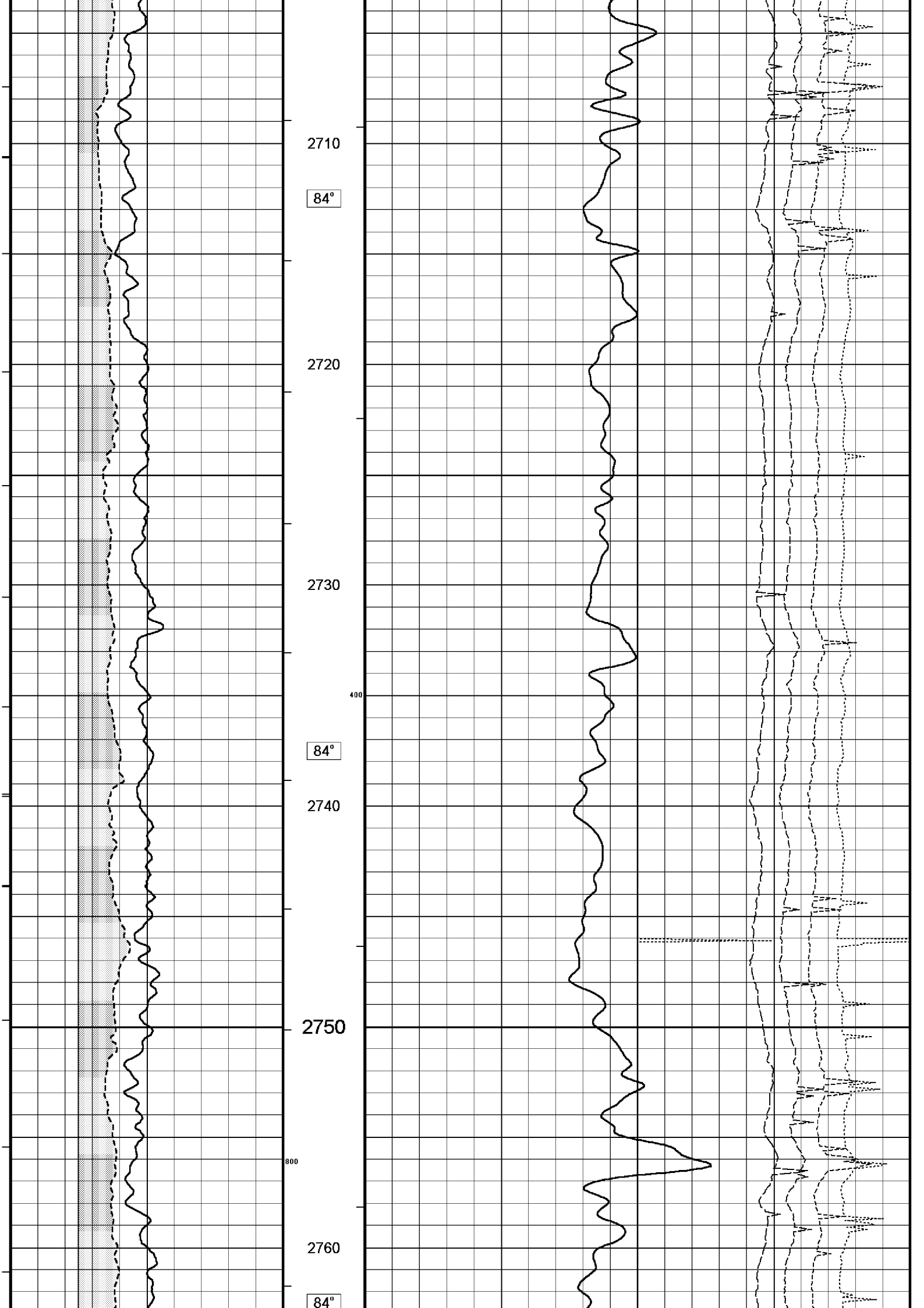


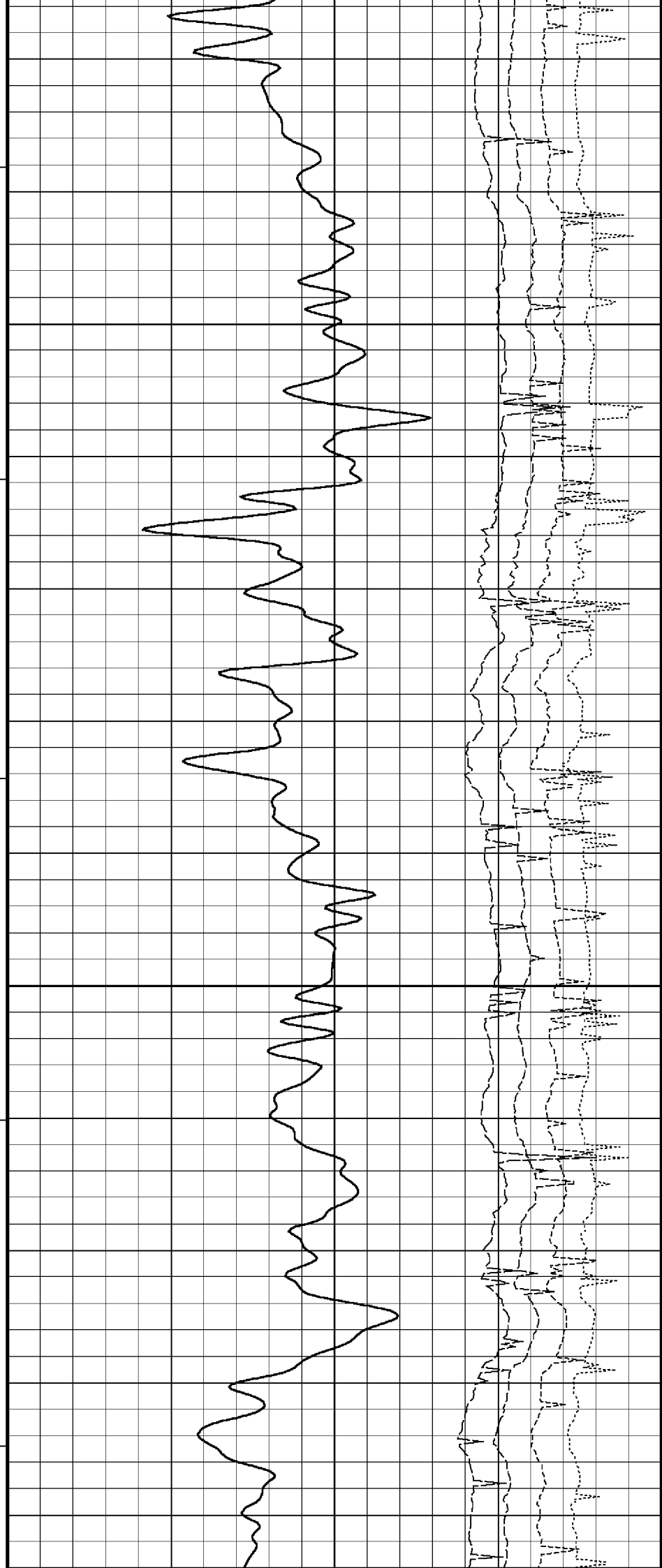
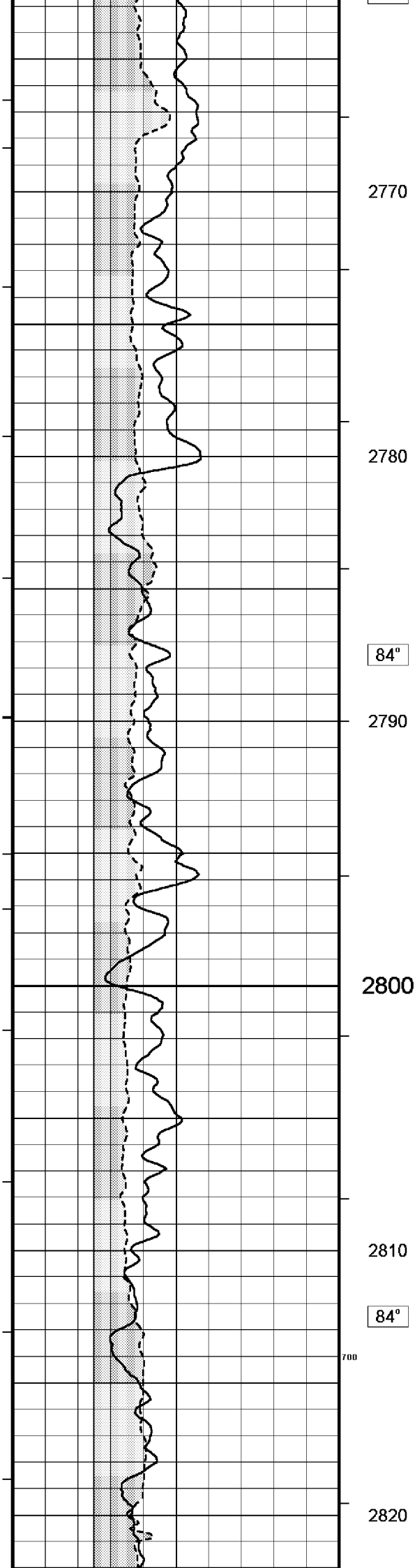


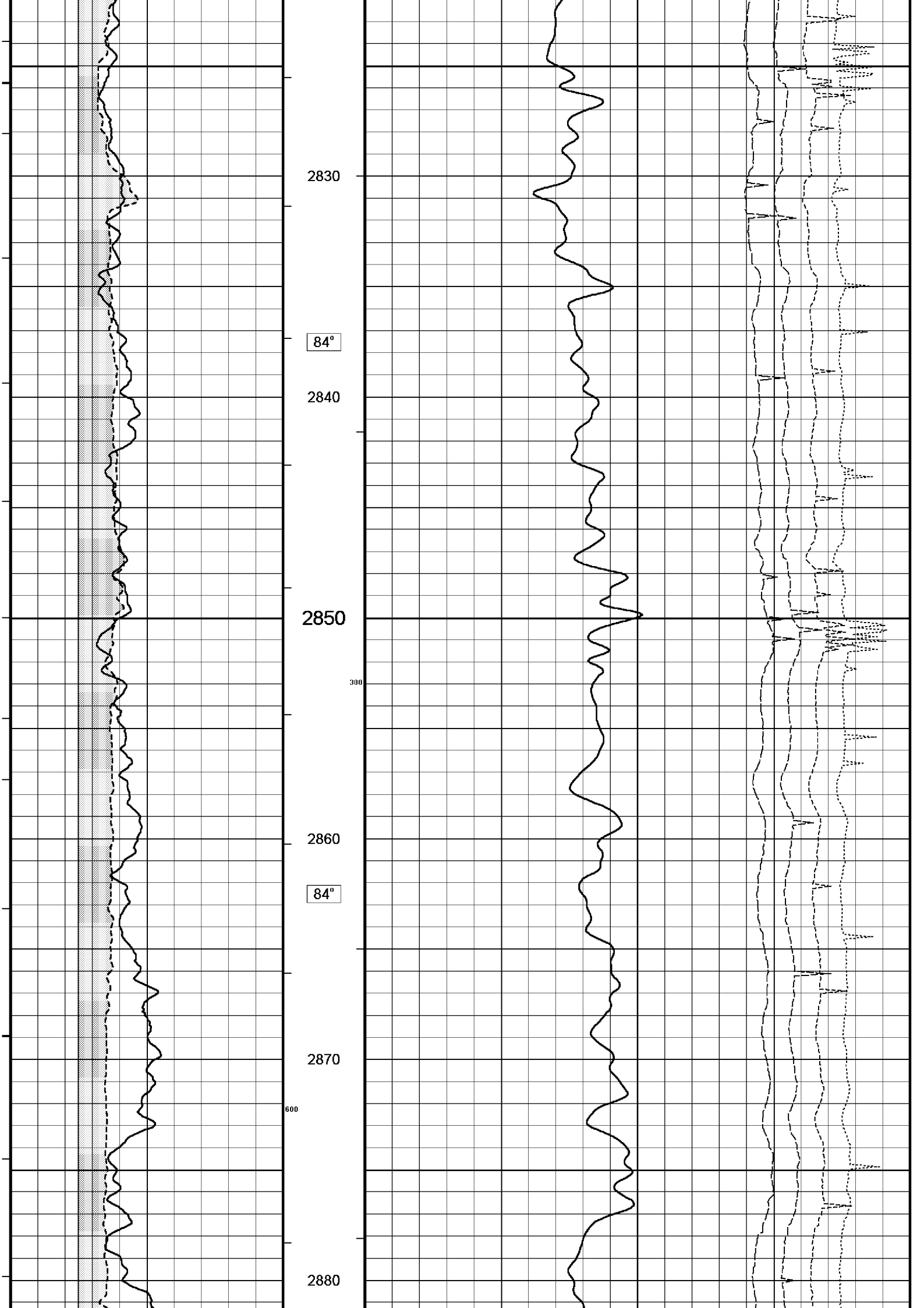


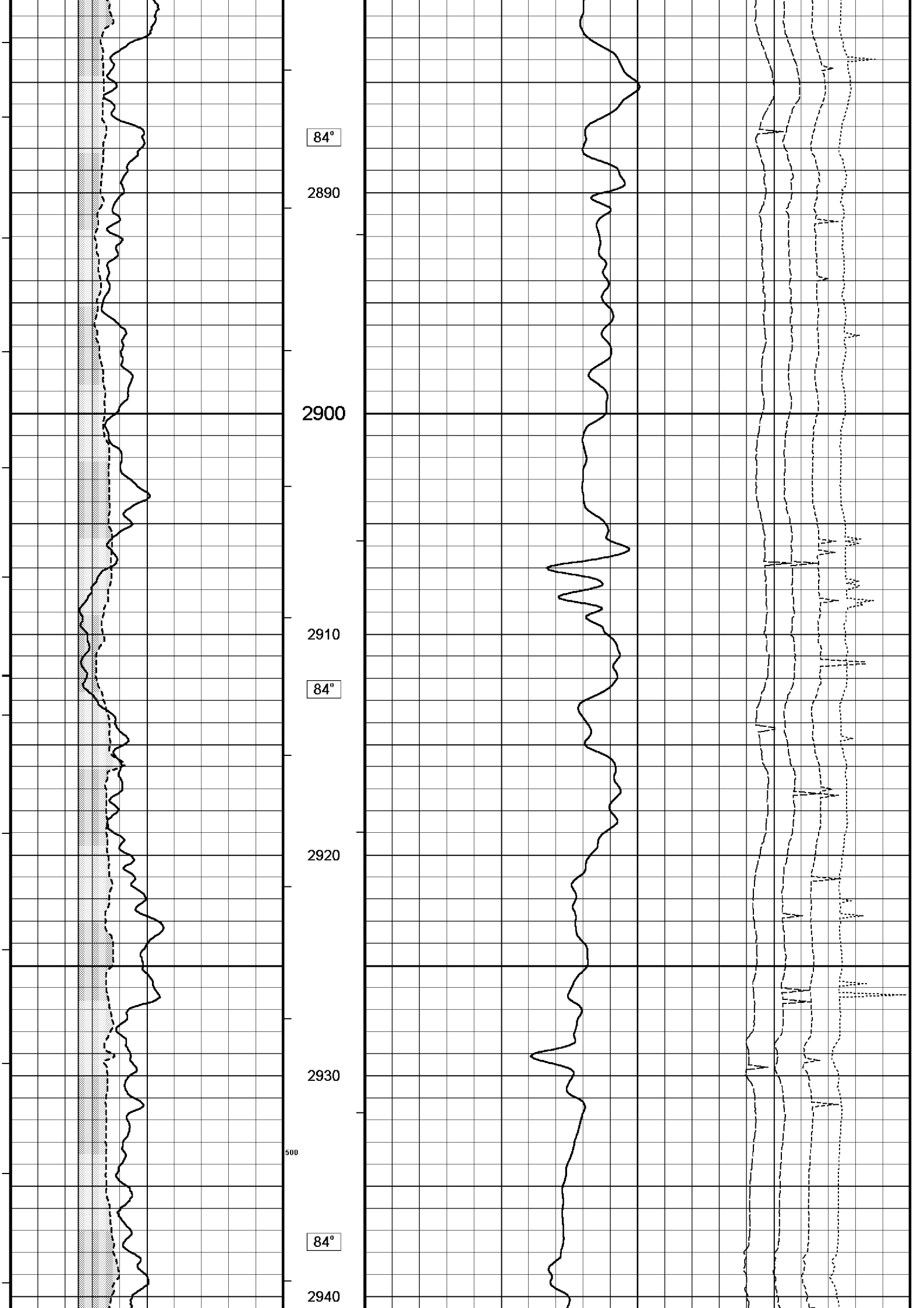


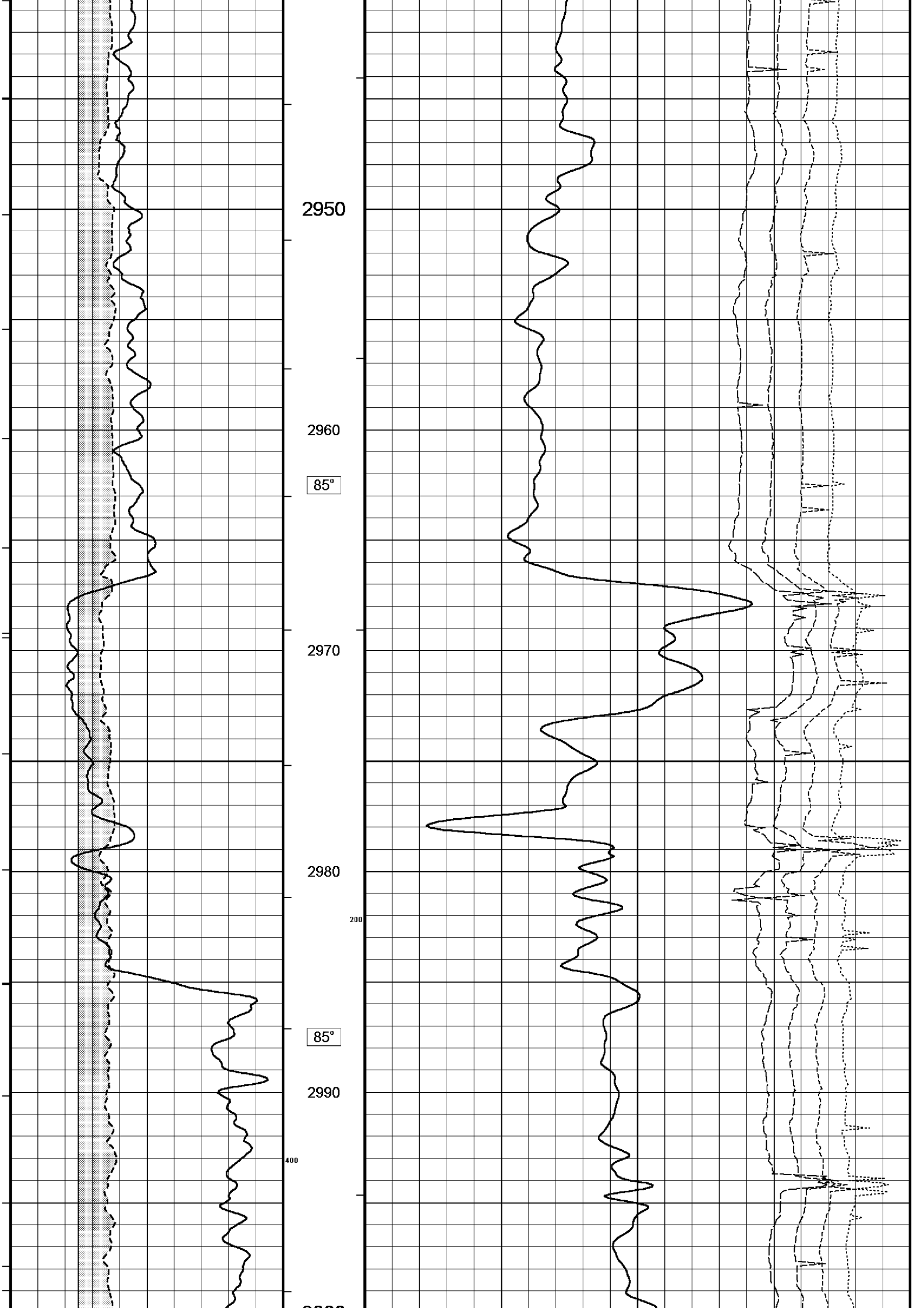


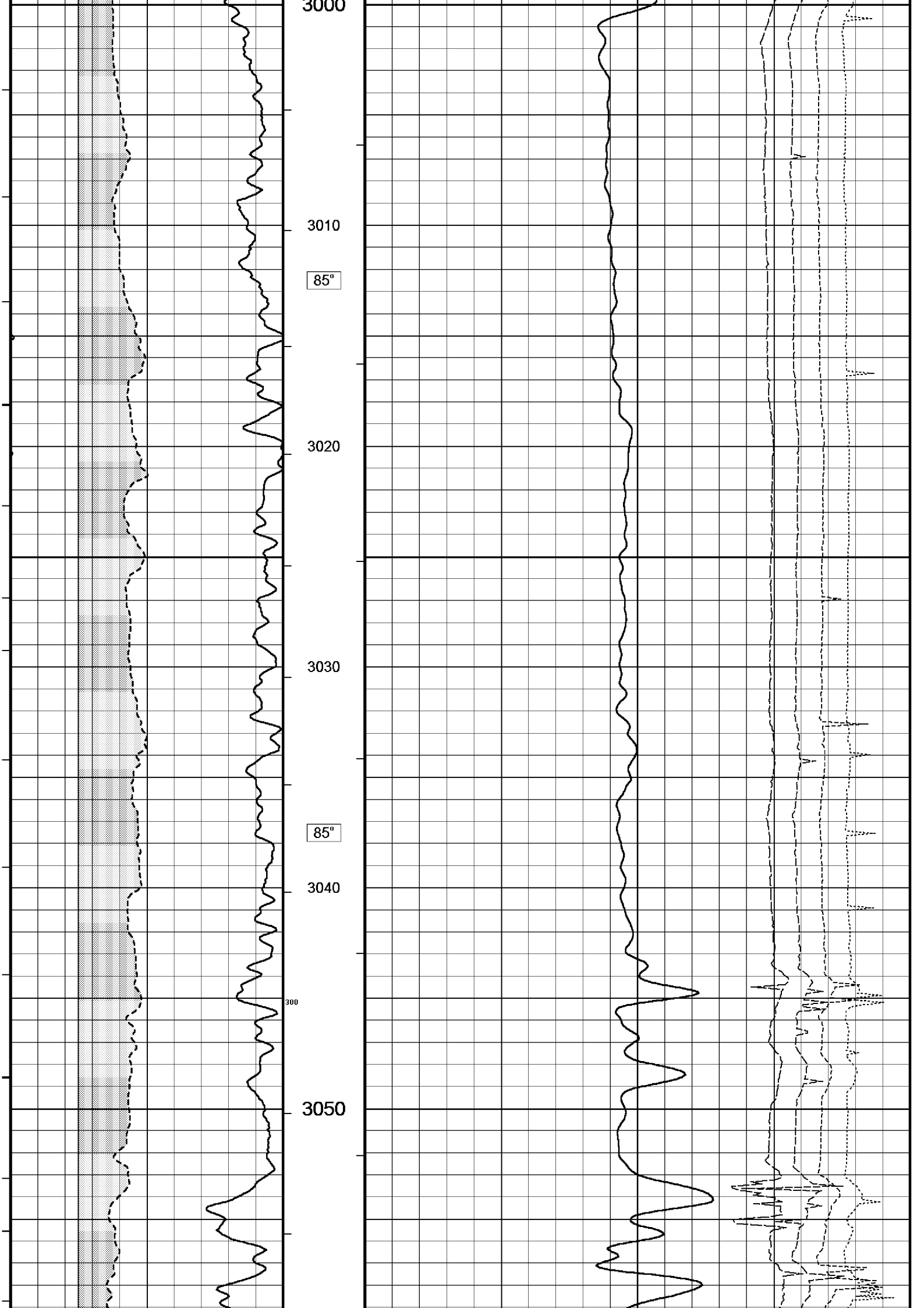


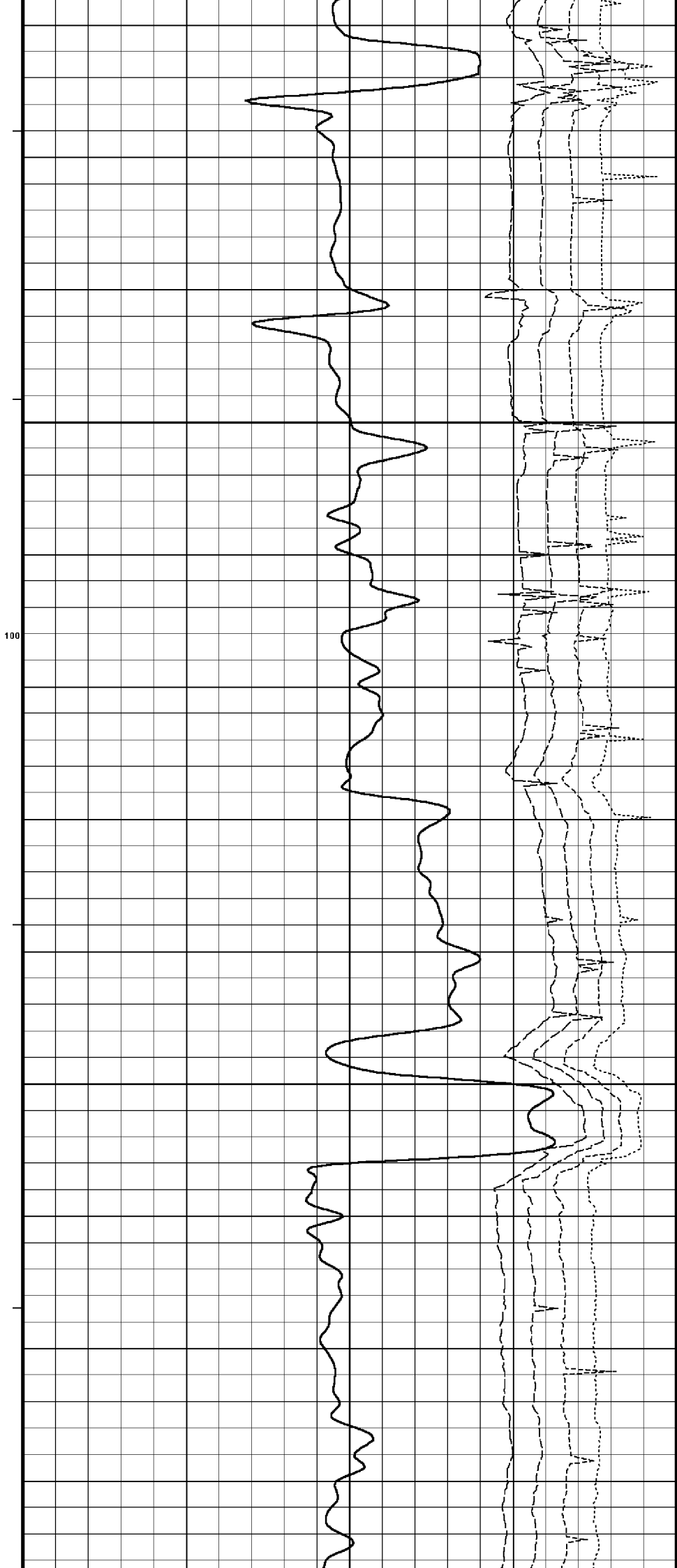
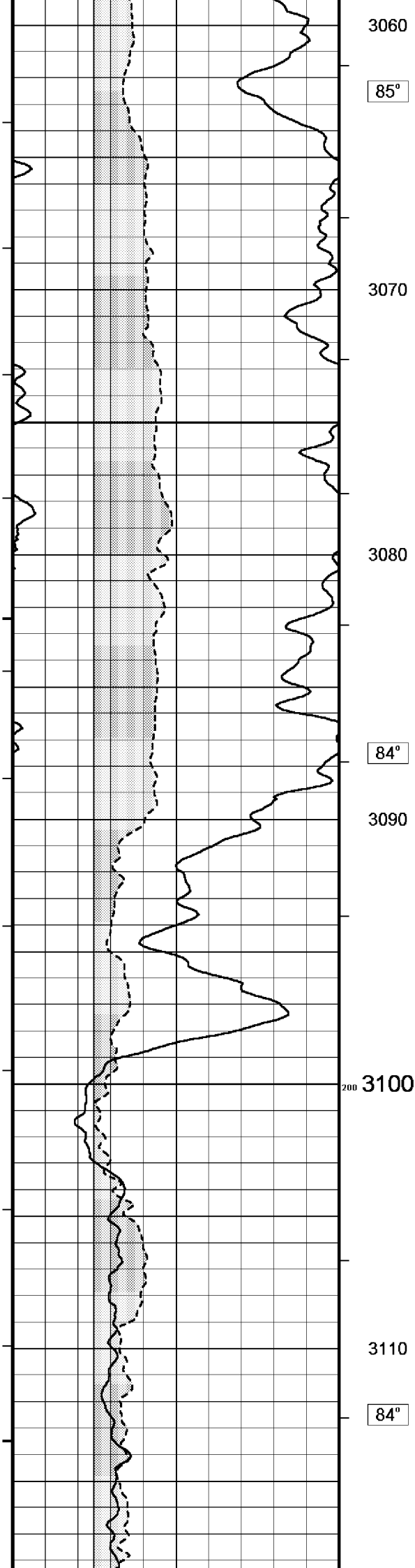


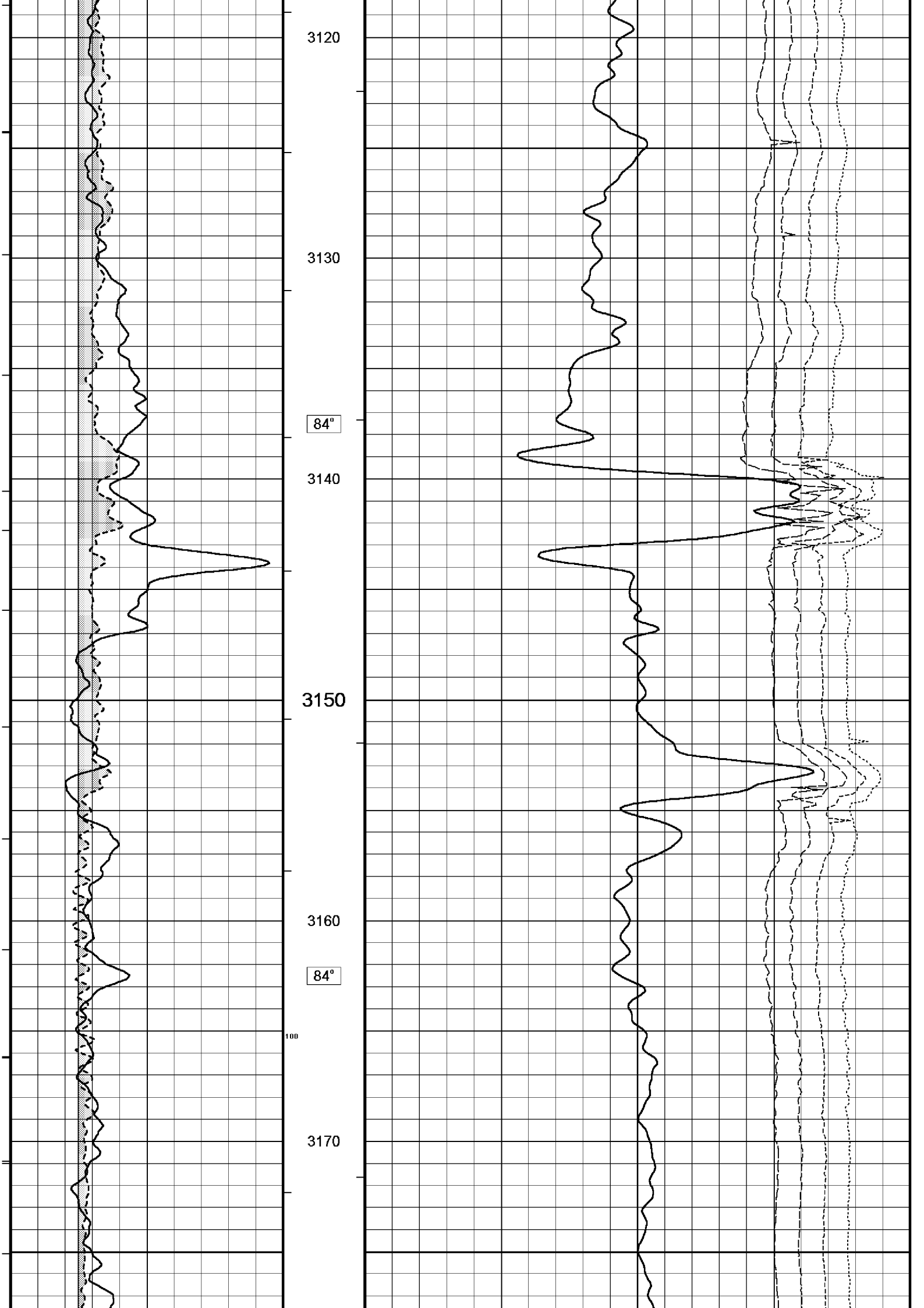


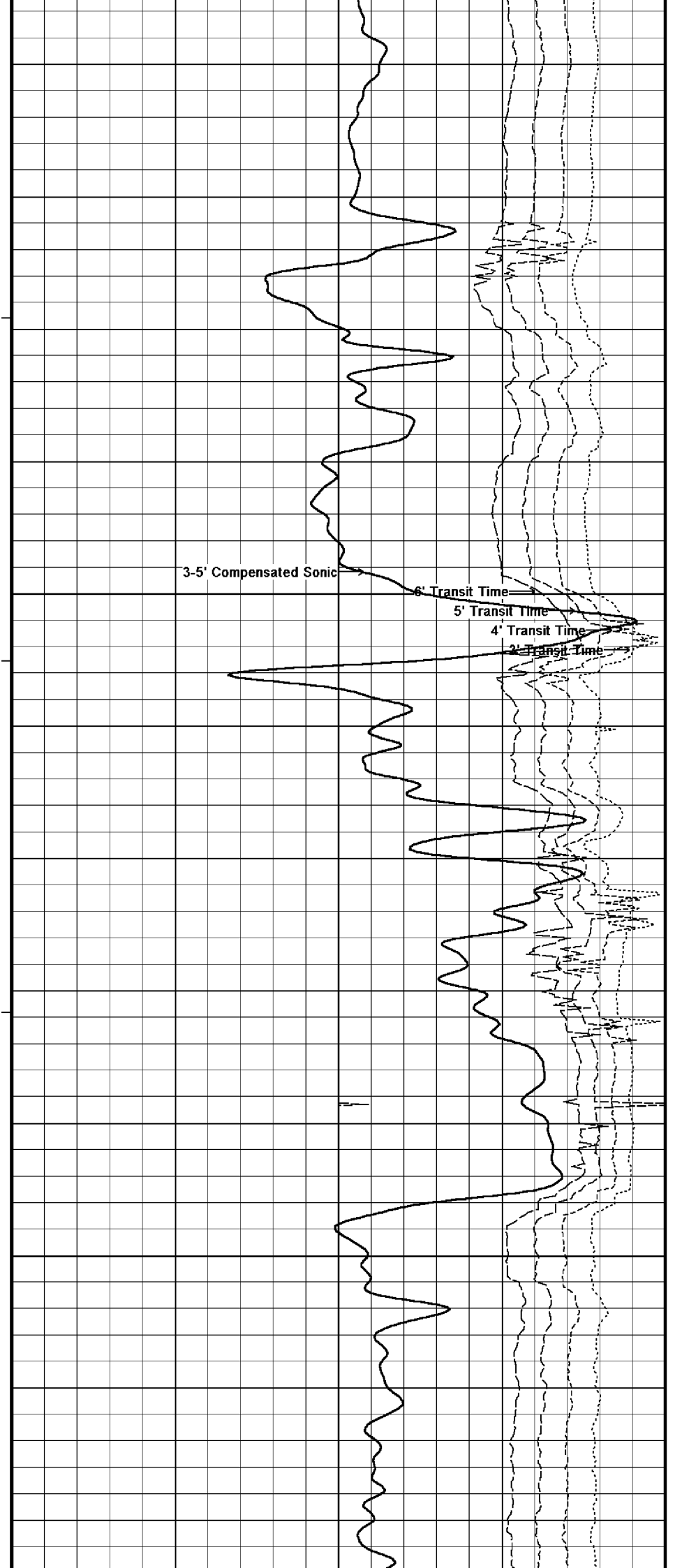
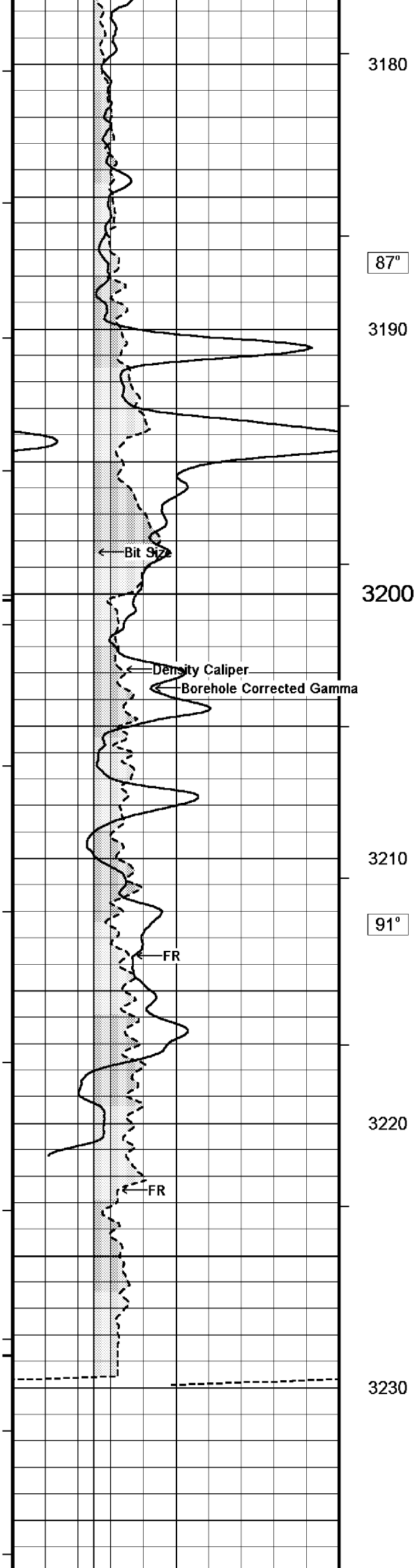












Mud Resistivity	Temperature	25.000	degrees C
Water Level		0.000	metres
Density/Neutron Processing		Wet Hole	
Hole/Annular Volume and Differential Caliper Parameters			
HVOL Caliper 1	Density Caliper		
HVOL Caliper 2	Density Caliper		
Annular Volume Diameter		7.000	inches
Caliper for Differential Caliper		None	
Rwa Parameters			
Porosity used	Limestone Sonic 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 11-FEB-2006,19:18
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 11-FEB-2006 19:18
Background	14	9	
Calibrator (Gross)	1390	918	
Calibrator (Net)	1376	909	
Gamma Constants MCG 142			
Gamma Calibrator Number	060		
Mud Density	1.20	gm/cc	
Caliper Source for Processing	Density Caliper		
Tool Position	Centred		
Concentration of KCl	0.00	kppm	
Caliper Calibration MPD 083			
			Base Calibration on 2-FEB-2006 16:03
			Field Calibration on 11-FEB-2006 20:04
Base Calibration			
Reading No	Measured	Calibrator Size (in)	
1	13840	4.01	
2	22033	5.99	
3	30543	7.98	
4	38960	9.94	
5	48464	12.01	
6	N/A	N/A	
Field Calibration			
	Measured Caliper (in)	Actual Caliper (in)	
	7.79	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\BMA_A6A\FIELD DATA\BMA_A6A_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

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

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



32.22 m

GGCE - Borehole Corrected Gamma

31.33 m

CGXT - MCG External Temperature

26.17 m

NPRL - Limestone Neutron Por.

23.48 m

AVOL - Annular Volume

23.48 m

HVOL - Hole Volume

23.48 m

CLDC - Density Caliper

23.27 m

DEN - Compensated Density

23.27 m

DCOR - Density Correction

23.25 m

PDPE - PE

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

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



13.35 m DDLL - Deep Laterolog
13.35 m DSLL - Shallow Laterolog

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

4.60 m DT35 - 3-5' Compensated Sonic

Tool Zero (0.44m from bottom)

All measurements relative to tool zero.

COMPANY	ESSO AUSTRALIA PTY LTD
WELL	BREAM A6A
FIELD	BREAM
PROVINCE/COUNTY	BASS STRAIT
COUNTRY/STATE	AUSTRALIA

COUNTRY/STATE AUSTRALIA

Elevation Kelly Bushing		metres	First Reading	3246.00	metres
Elevation Drill Floor	32.82	metres	Depth Driller	3256.00	metres
Elevation Ground Level	-59.40	metres	Depth Logger	3253.00	metres



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1:200 MD