



Compact

COMPENSATED SONIC

1:200 MD

COMPANY

ESSO AUSTRALIA PTY LTD

WELL

BREAM A10A

FIELD

BREAM

PROVINCE/COUNTY

BASS STRAIT

COUNTRY/STATE

AUSTRALIA

LOCATION

S 38 29 58.824, E 147 46 19.976

N 5738460.340 m, E 567336.310 m

FINAL PRINT

LSD

SEC

TWP

RGE

Other Services

DUAL LATEROLOG

PHOTO DENSITY

COMPENSATED NEUTRON

API Number

Permit Number

Permanent Datum MSL

Elevation 0.0 metres

Log Measured From RT @ 32.82m above Permanent Datum

Drilling Measured From RT

Date

16-MAY-2005

Elevations:

KB

metres

Run Number

ONE

Depth Driller

3379.50

metres

Depth Logger

3375.10

metres

First Reading

3370.10

metres

Last Reading

2258.80

metres

Casing Driller

2258.20

metres

Casing Logger

2258.80

metres

Bit Size

8.50

inches

Hole Fluid Type

KCl/POLY/GYL

Density / Viscosity

10.10 lb/USg

30.00 cP

PH / Fluid Loss

9.00

3.00 ml/30Min

Sample Source

FLOWLINE

Rm @ Measured Temp

0.134 @ 25.0

ohm-m

Rmf @ Measured Temp

0.103 @ 25.0

ohm-m

Rmc @ Measured Temp

0.236 @ 25.0

ohm-m

Source Rmf / Rmc

PRESS

PRESS

Rm @ BHT

0.053 @ 97.3

ohm-m

Time Since Circulation

28.5 HRS

Max Recorded Temp

104.10

deg C

Equipment Name

CWS/CML

Recorded By

1

SALE

Witnessed By

G. MCMANUS, B. MOSS

TREVOR LOBO

21:00 14-MAY

CIRC STOPPED

BOREHOLE RECORD

Bit Size inches	Depth From metres	Depth To metres
8.500	2258.80	3379.50

CASING RECORD

Type	Size inches	Depth From metres	Shoe Depth metres	Weight pounds/ft
K-55	13.375	0.00	921.00	54.50
L-80	9.625	0.00	2258.80	47.00

REMARKS

RIG: NABORS 453

5" SHUTTLE/MEMORY COMPACT OPERATION.

CREW: G MCMANUS , R TENCH , B MOSS , K LUCIEER.

ALL LOGS DEPTH CORRELATED TO ANADRILL GAMMA LOG.

DENSITY CALIPER CLOSED BETWEEN 2594.50m MD AND 2598.2m MD

DUE TO THE INDUCTION SONDE DETECTING A PIECE OF BRASS DEBRIS

IN THE WELL. DENSITY - NEUTRON DATA IN THIS INTERVAL WILL BE INACCURATE.

MAX. TEMPERATURE: 104.1 DEG C AT 3331.10m MD

MAX. INCLINATION: 47.28 DEG AT 2315.54m MD

MAX. DOGLEG SERVERITY: 4.68 DEG/30m AT 2775.31m MD

DEPLOYMENT ANGLE: 24 DEG

HVOL: 1620 FT^3

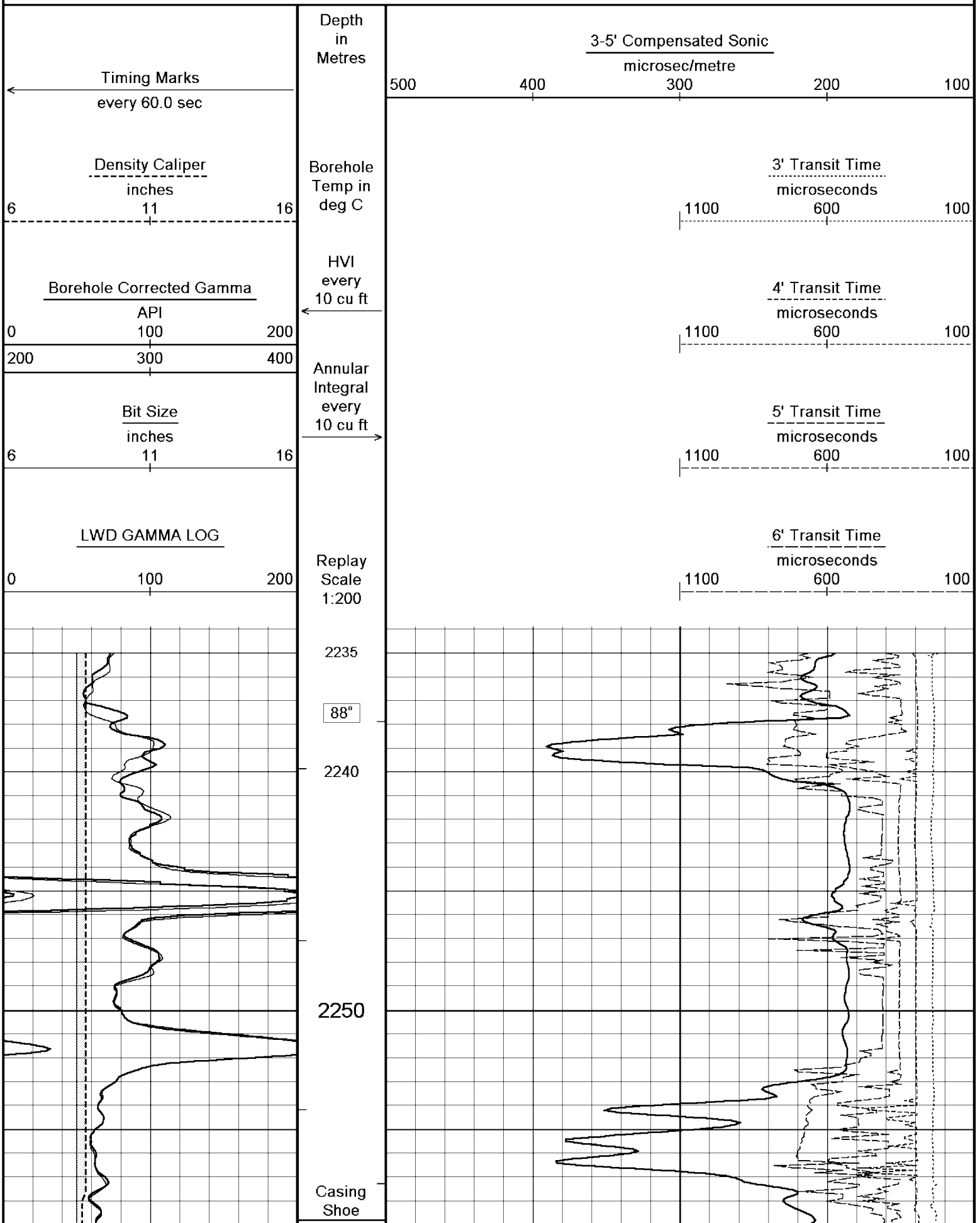
AVOL: 865 FT^3

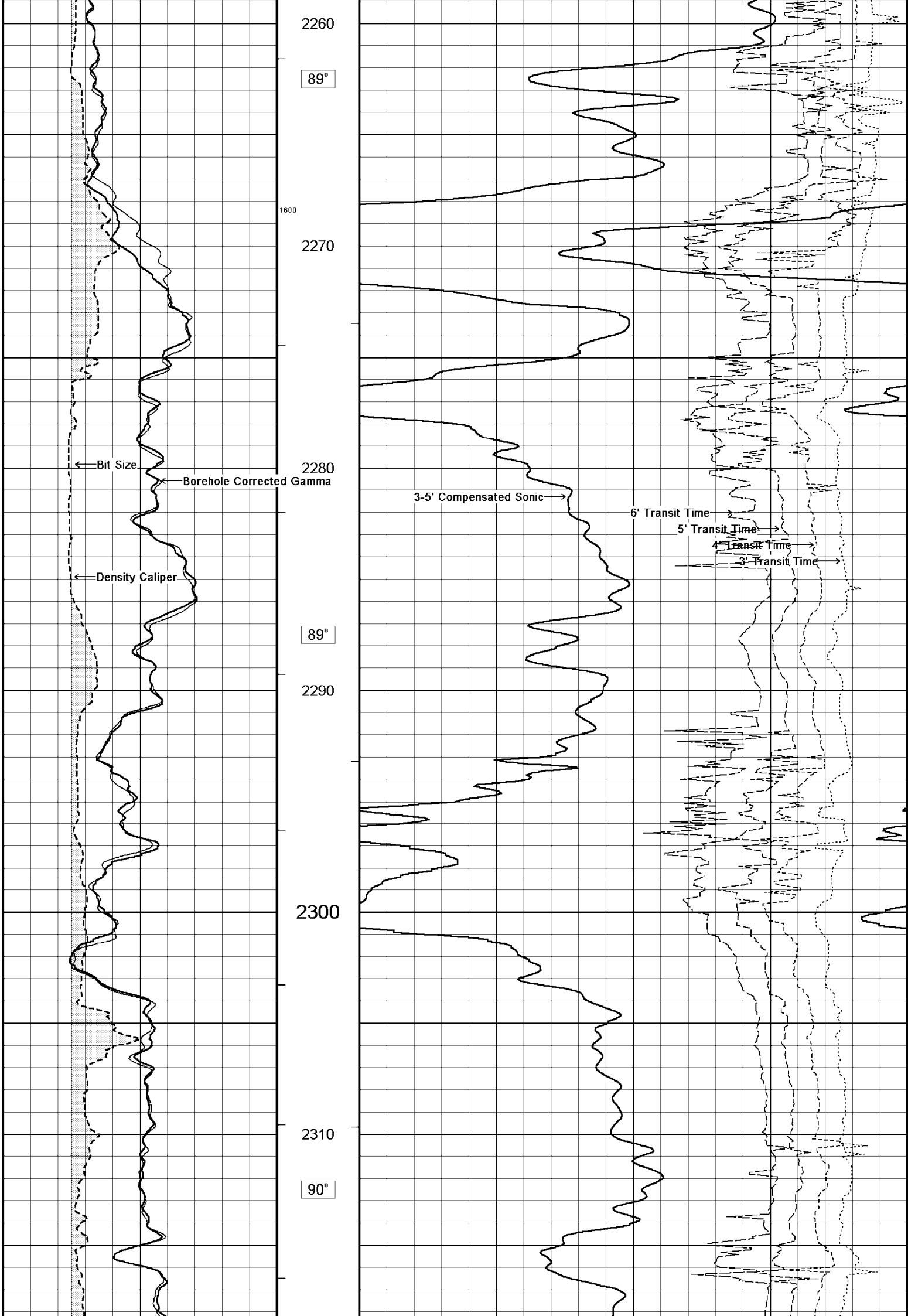
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or

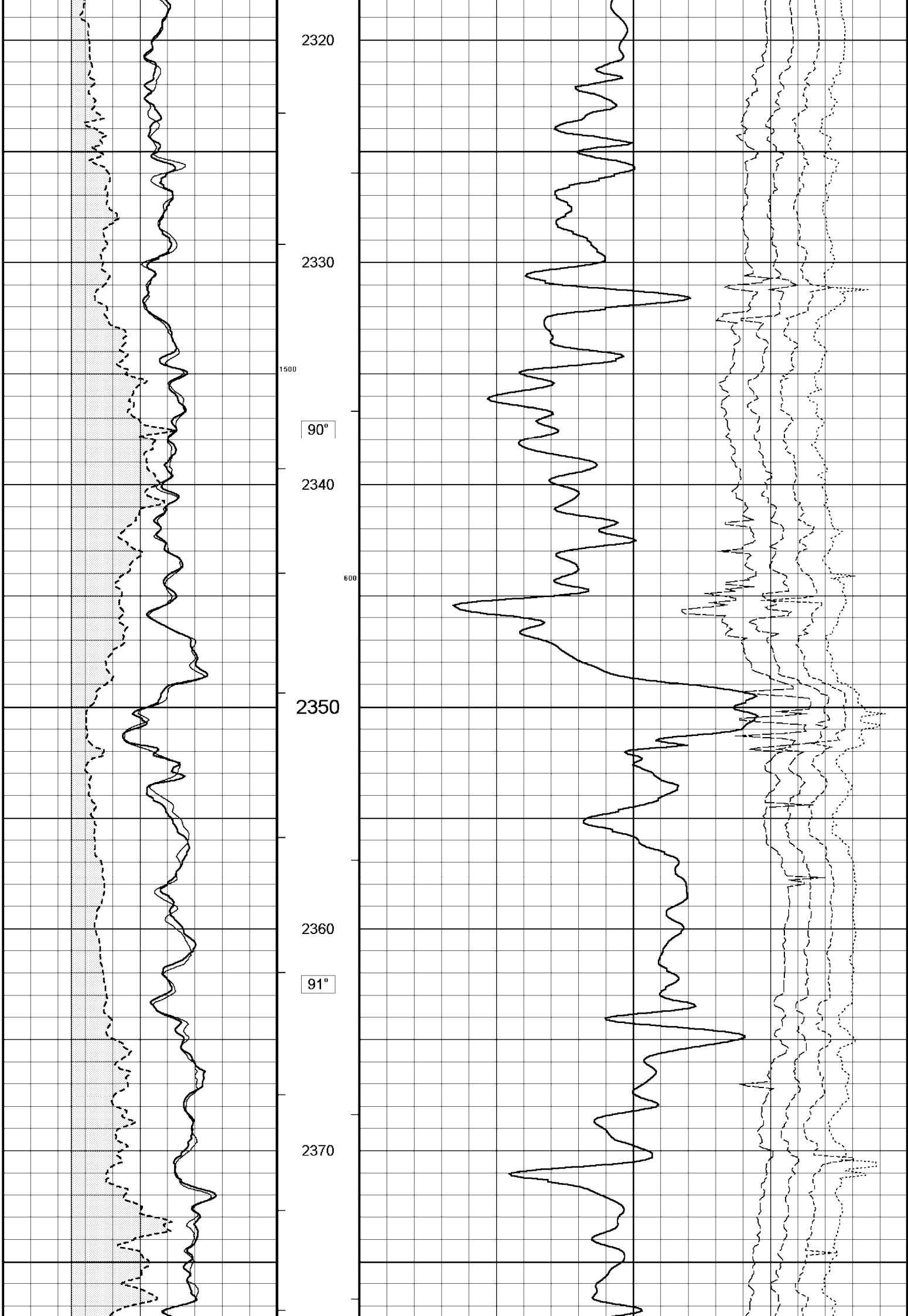
MAIN LOG 1:200

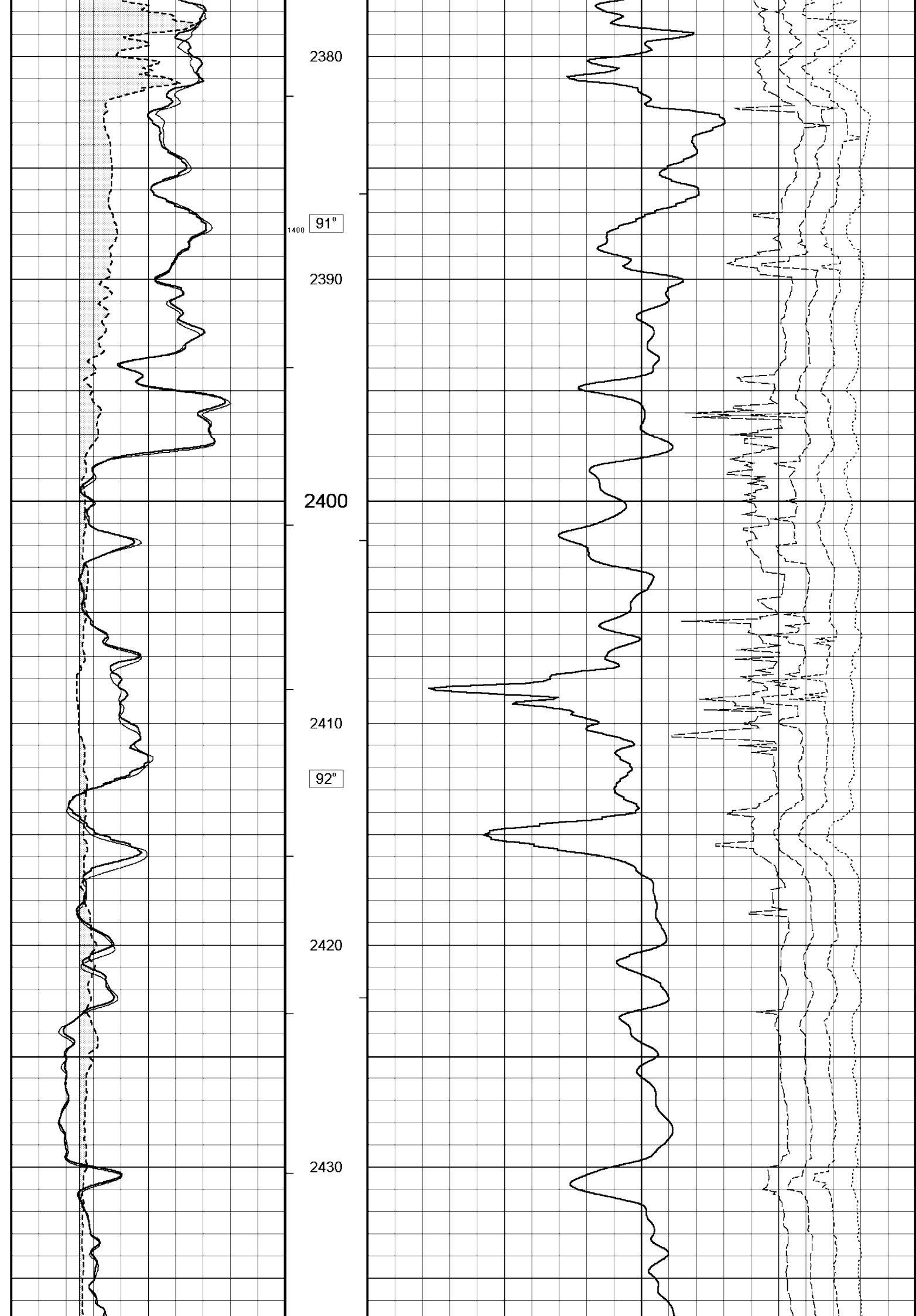
Depth Based Data - Maximum Sampling Increment 10.0cm
Filename: C:\logs\BMA_A10A\BMA_A10A_TC_DSC.dta
Filename: C:\logs\BMA_A10A\Depth Data\Schlumberger\SCHLUM_GAMMA_LOG.dta
System Configuration Dates: Logged : Processed 23-AUG-2004: Plotted 17-JUN-2004:

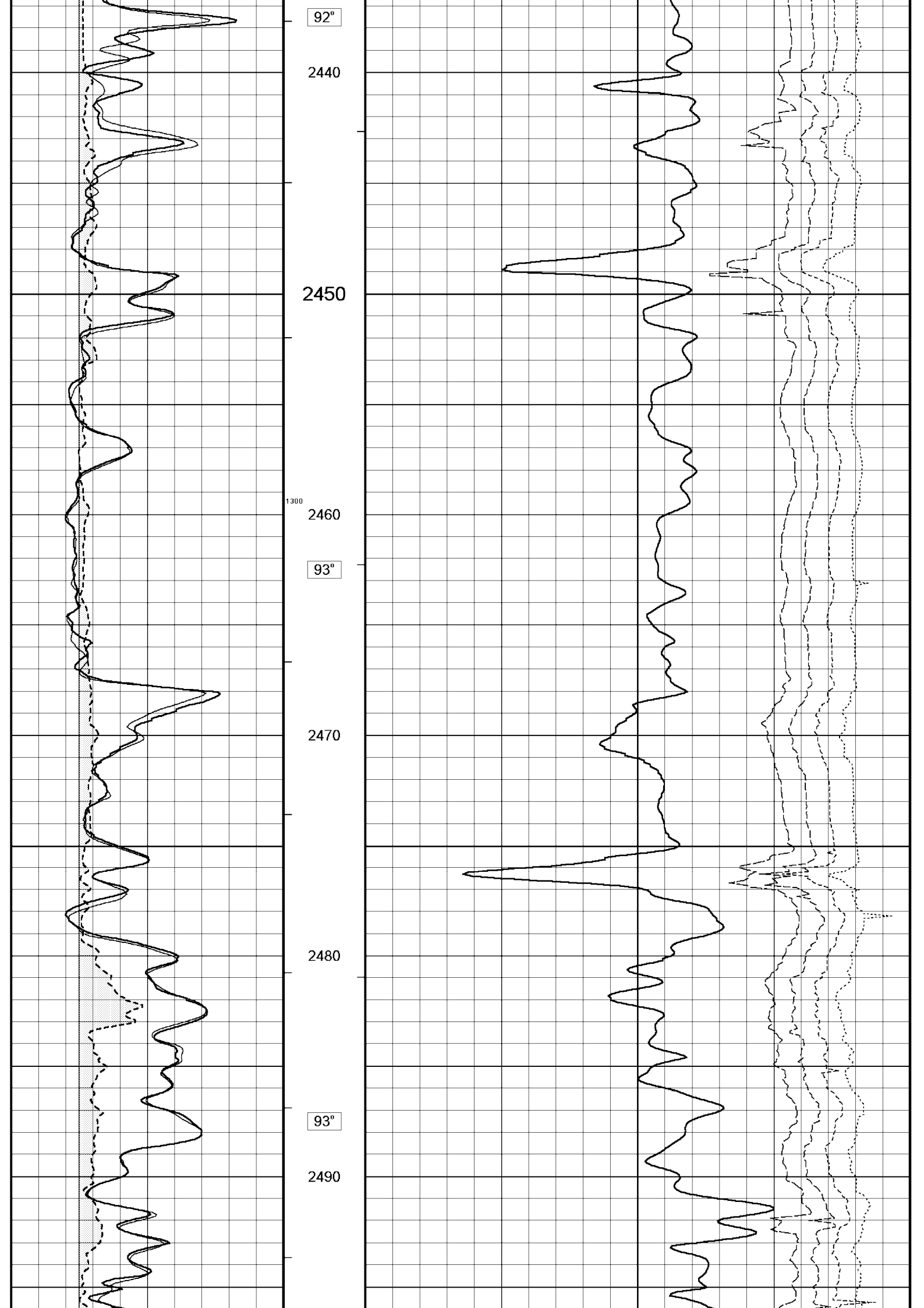
Plotted on 08-AUG-2005 16:32
Recorded on 16-MAY-2005 12:18
Recorded on 16-JUL-2005 00:00

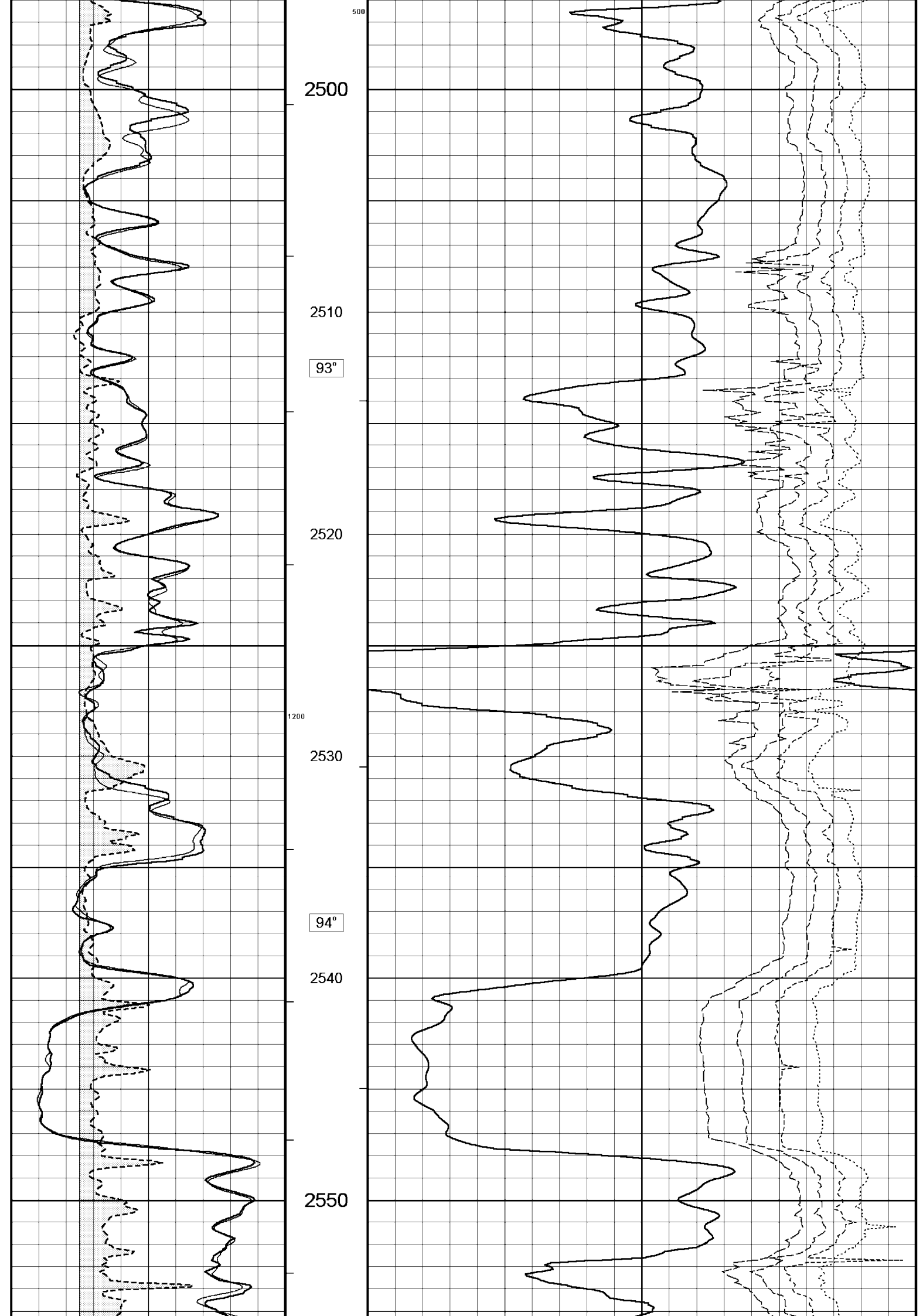


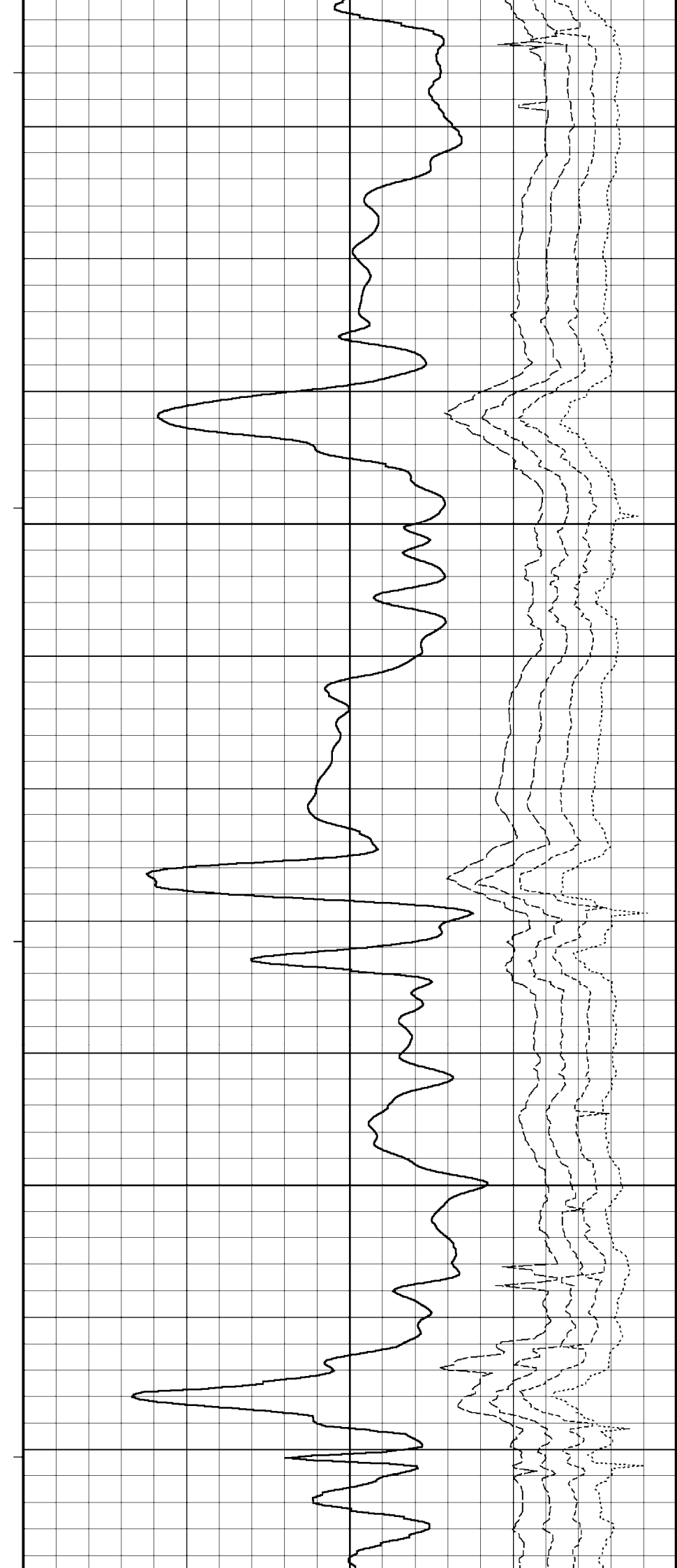
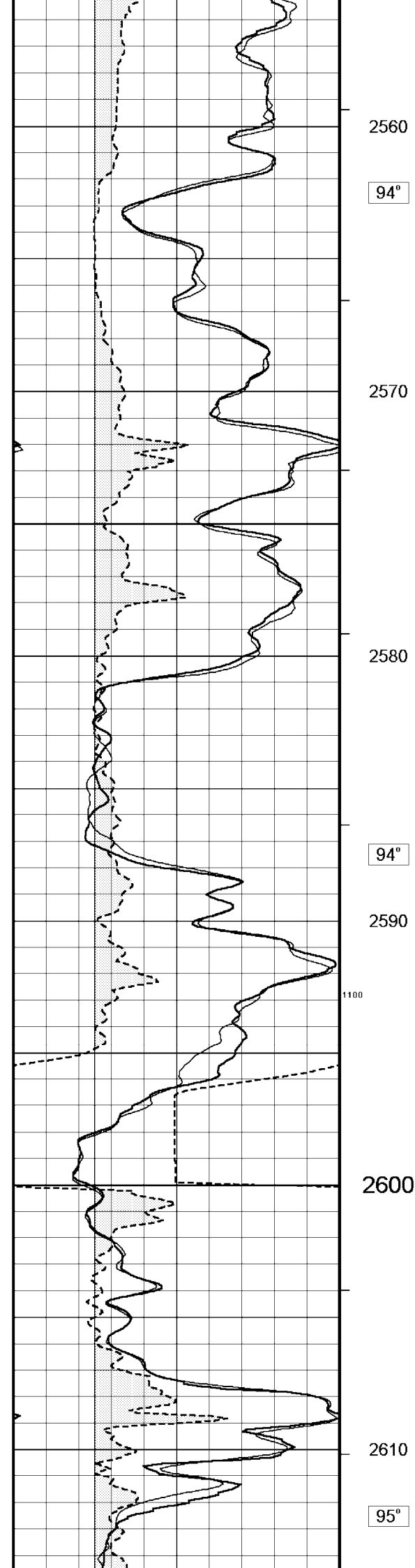


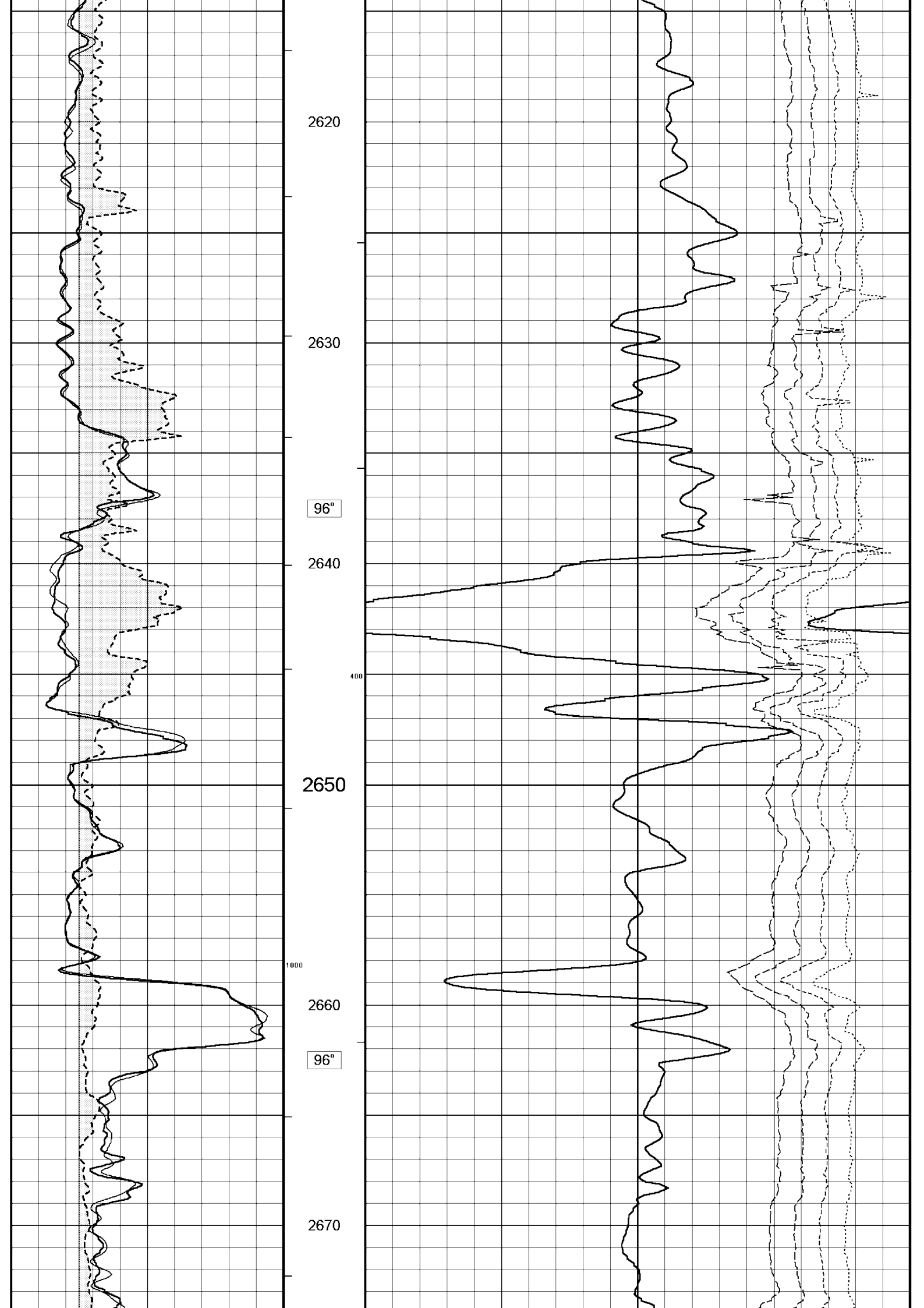


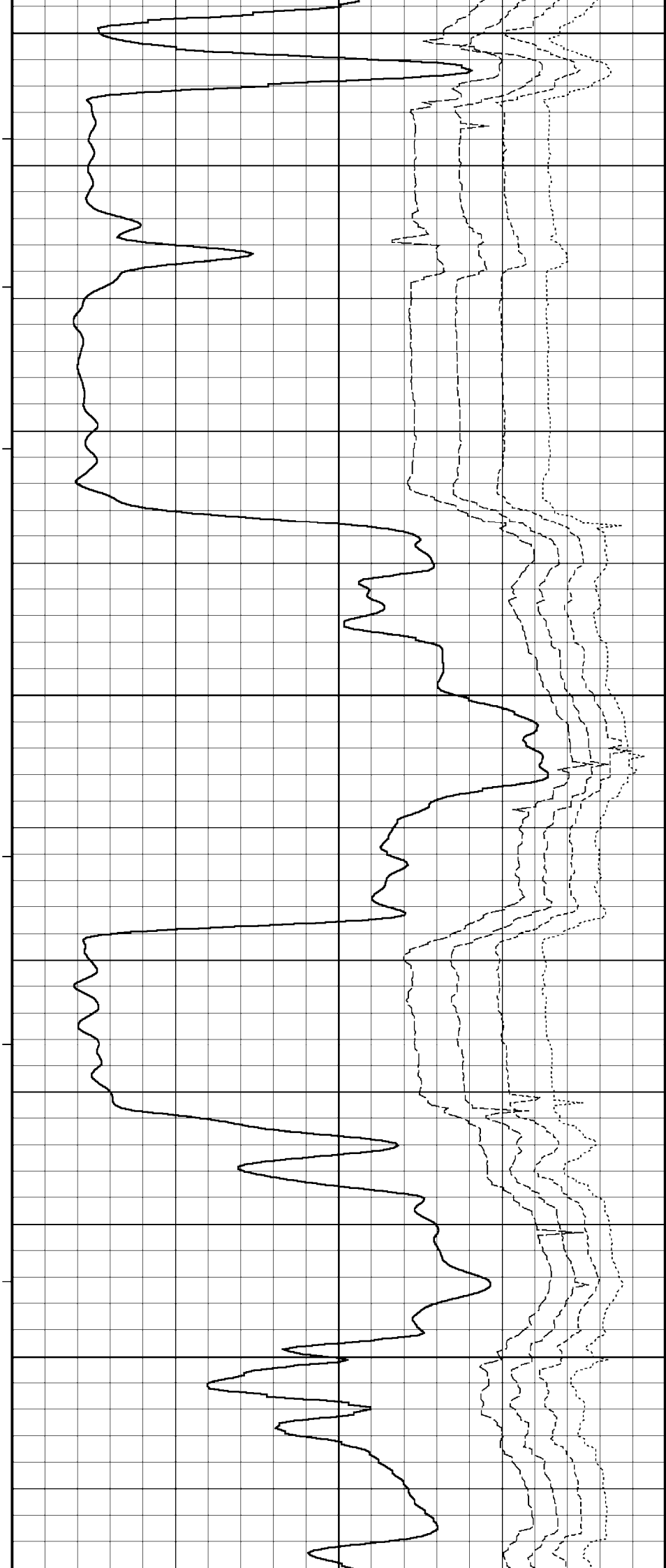
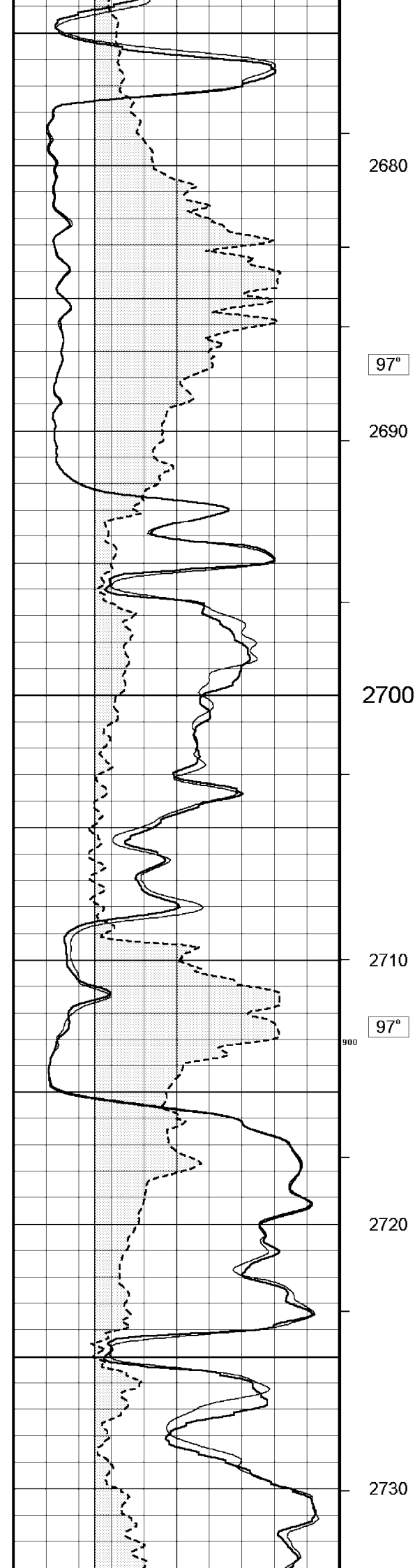


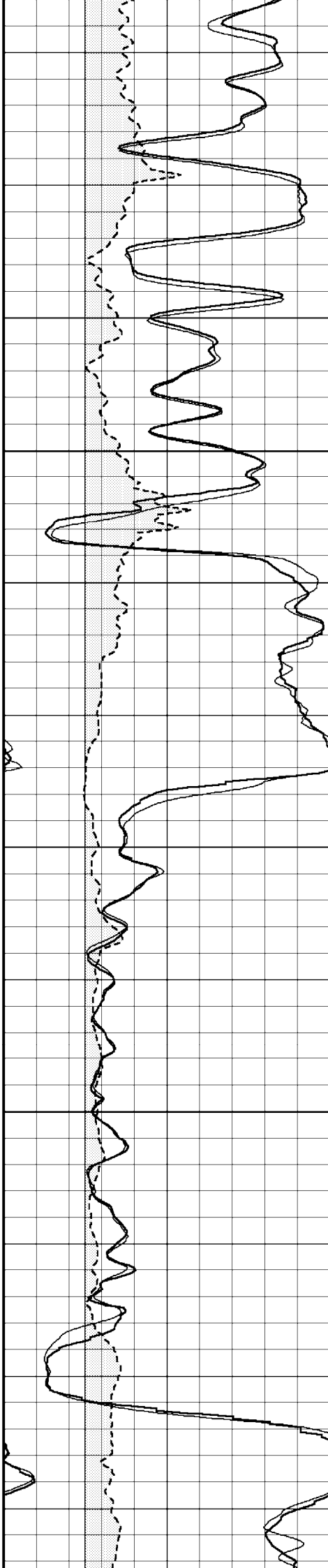












98°

2740

2750

2760

98°

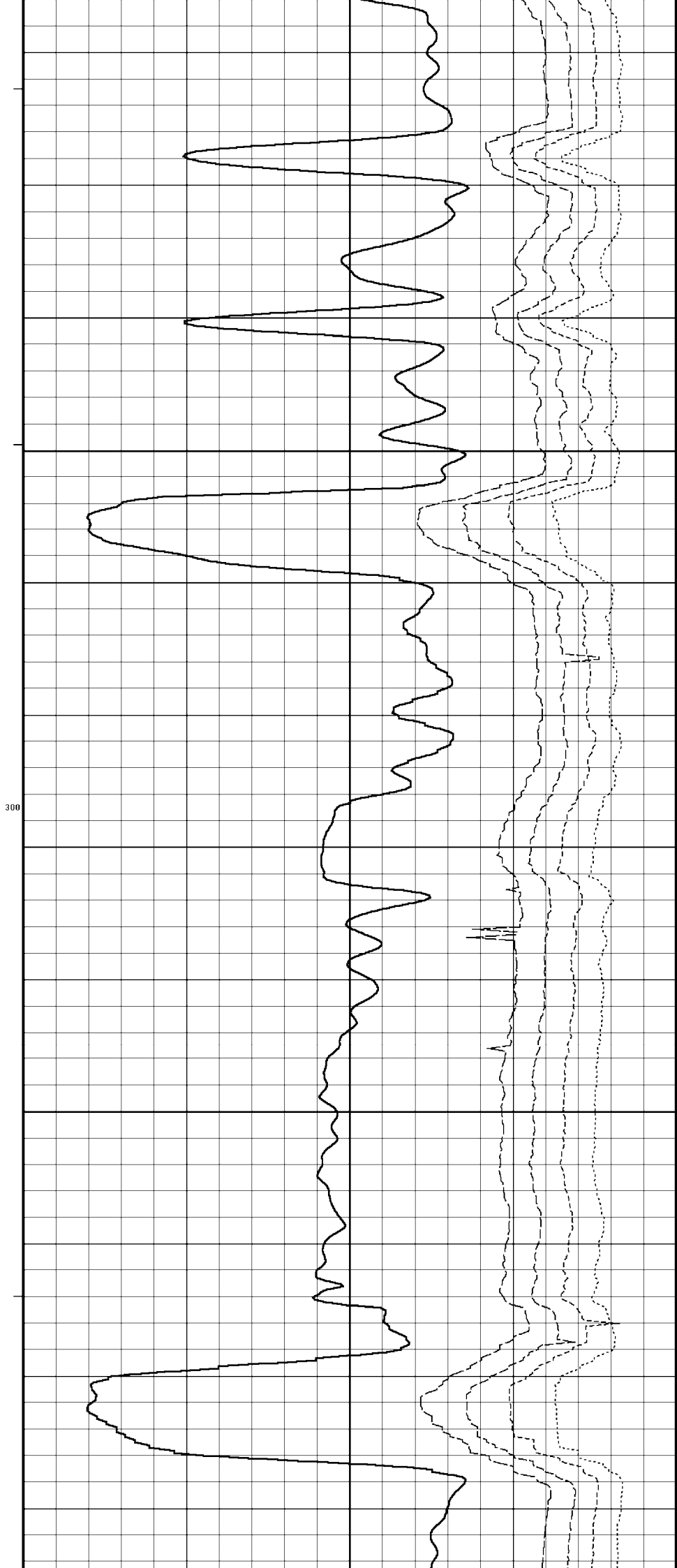
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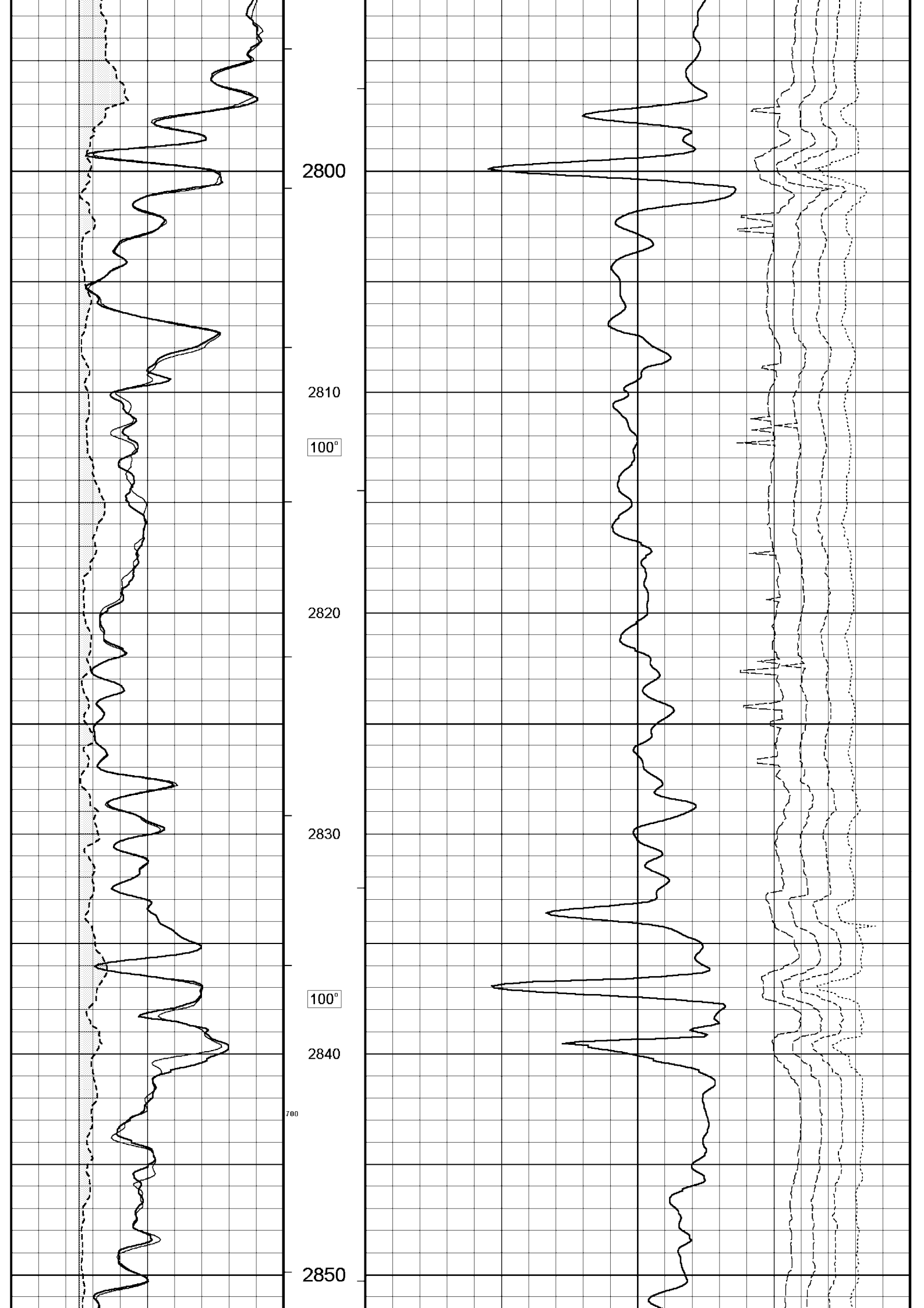
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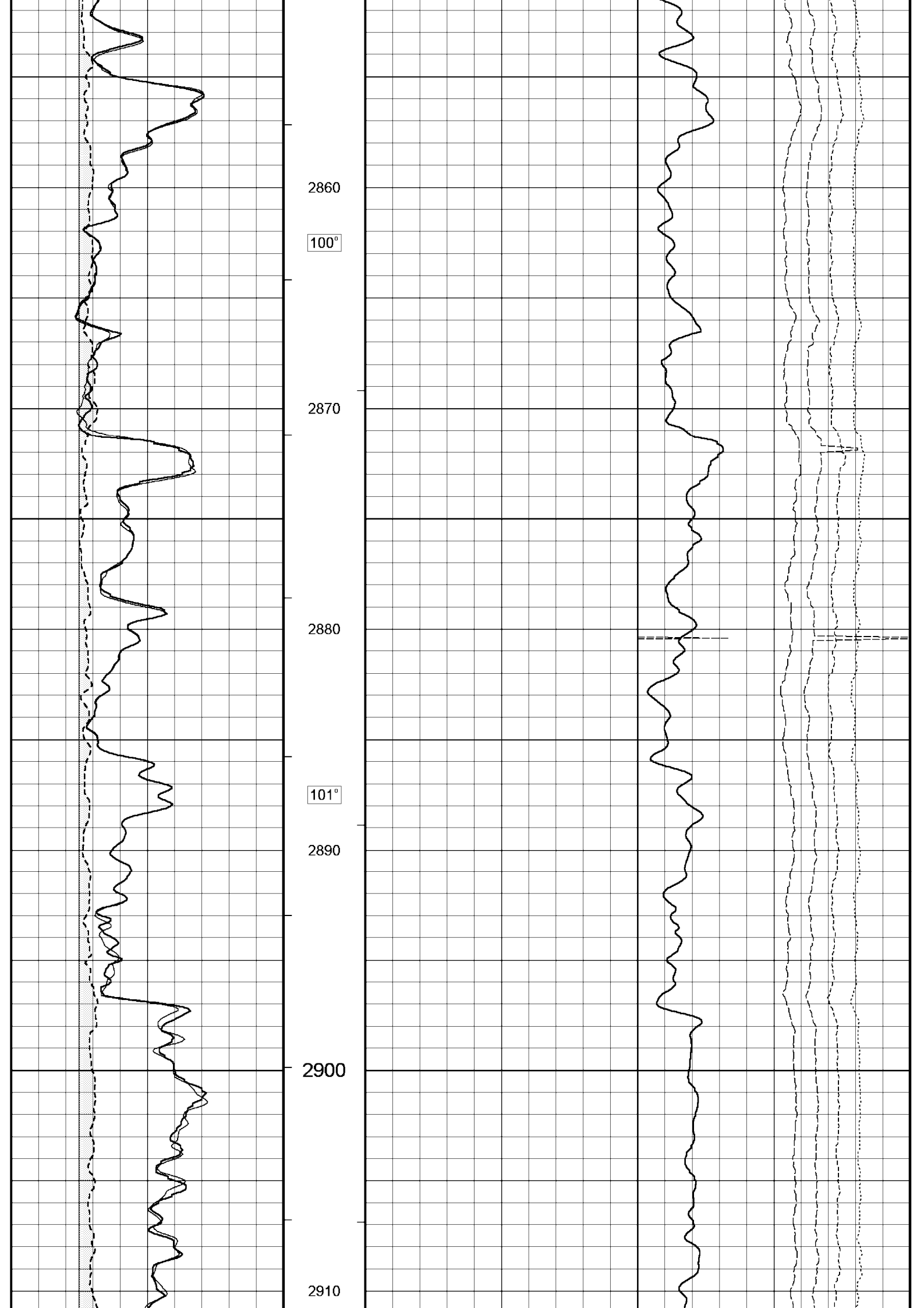
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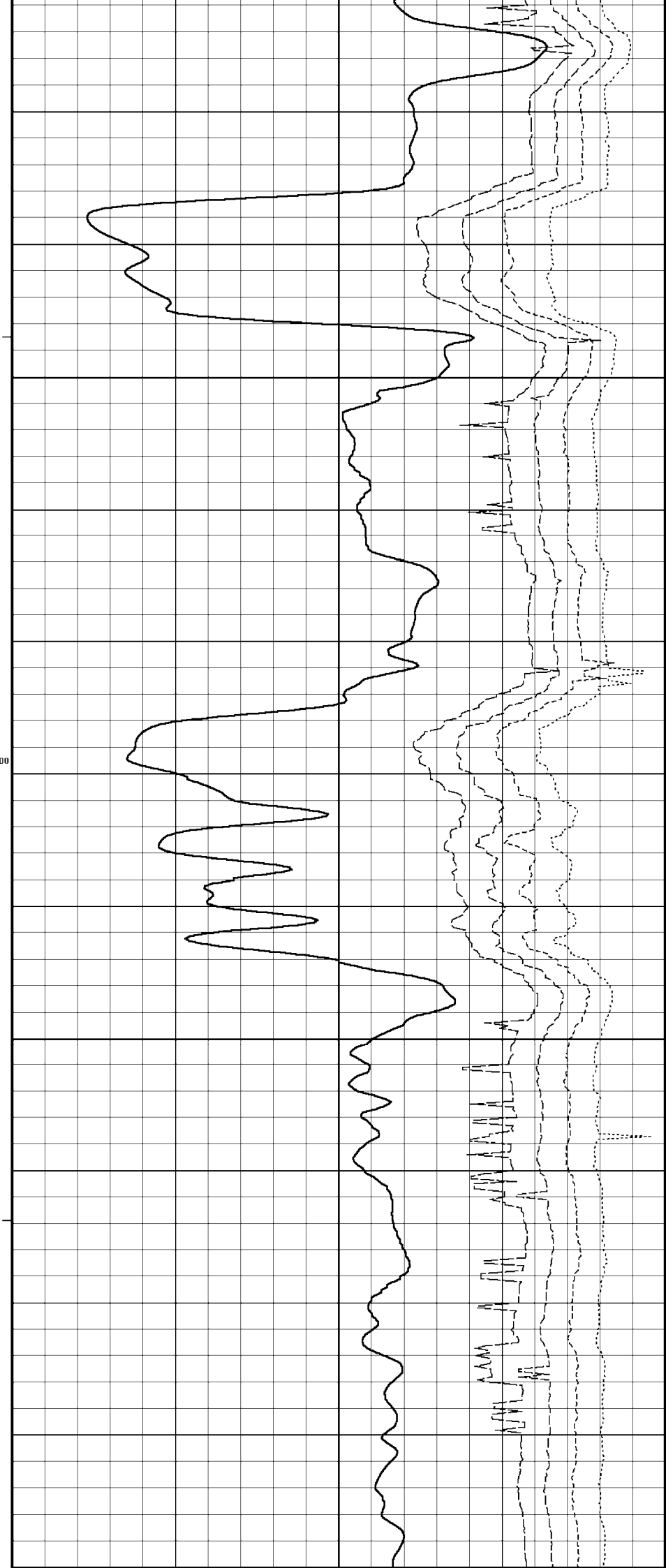
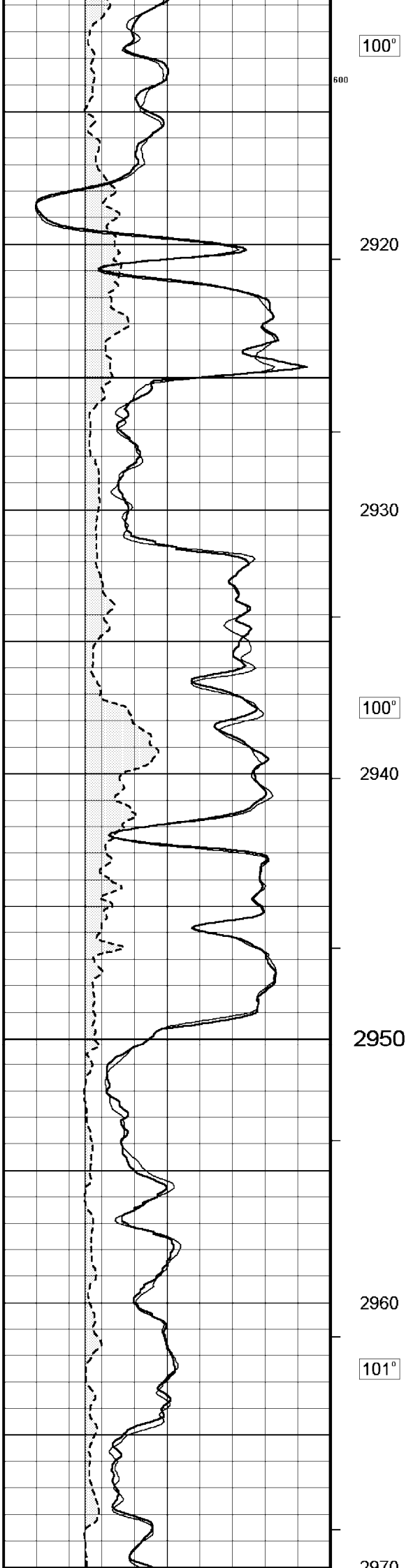
99°

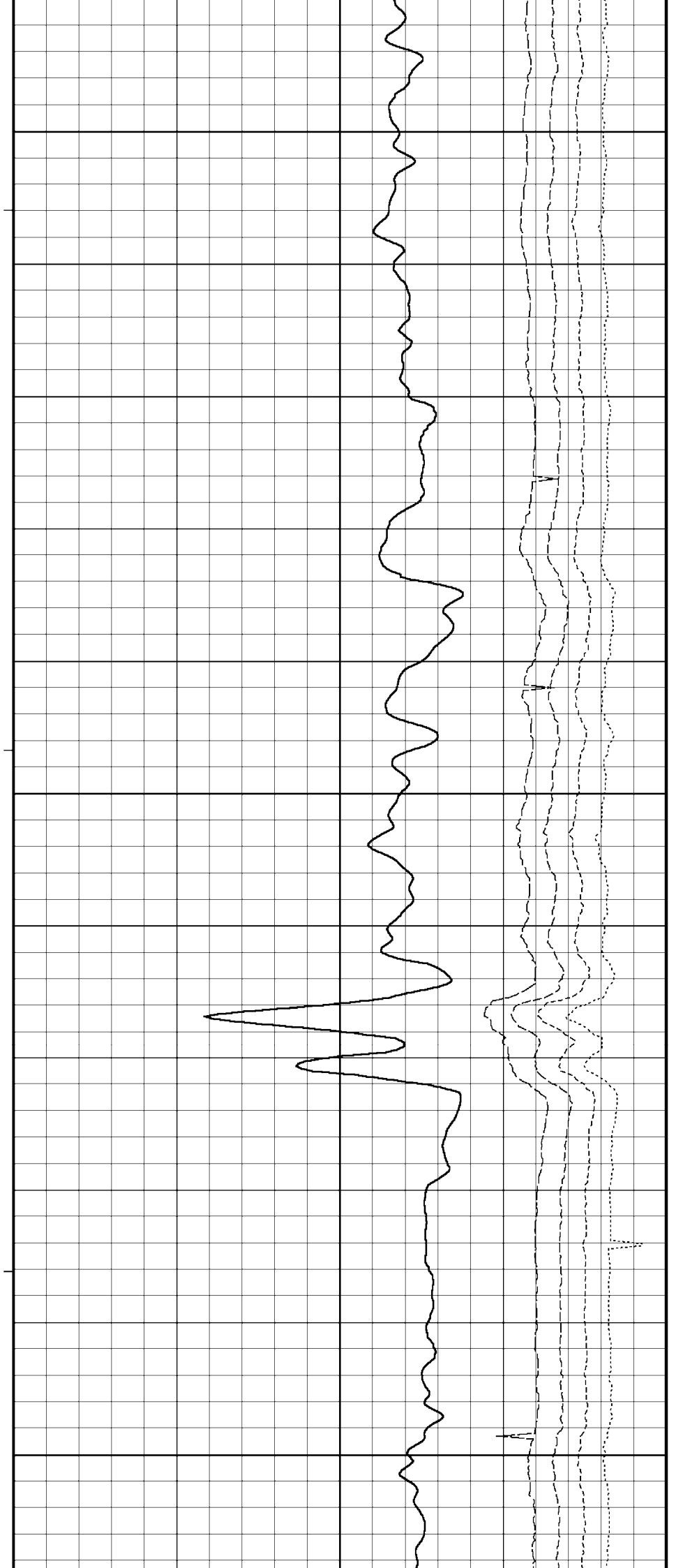
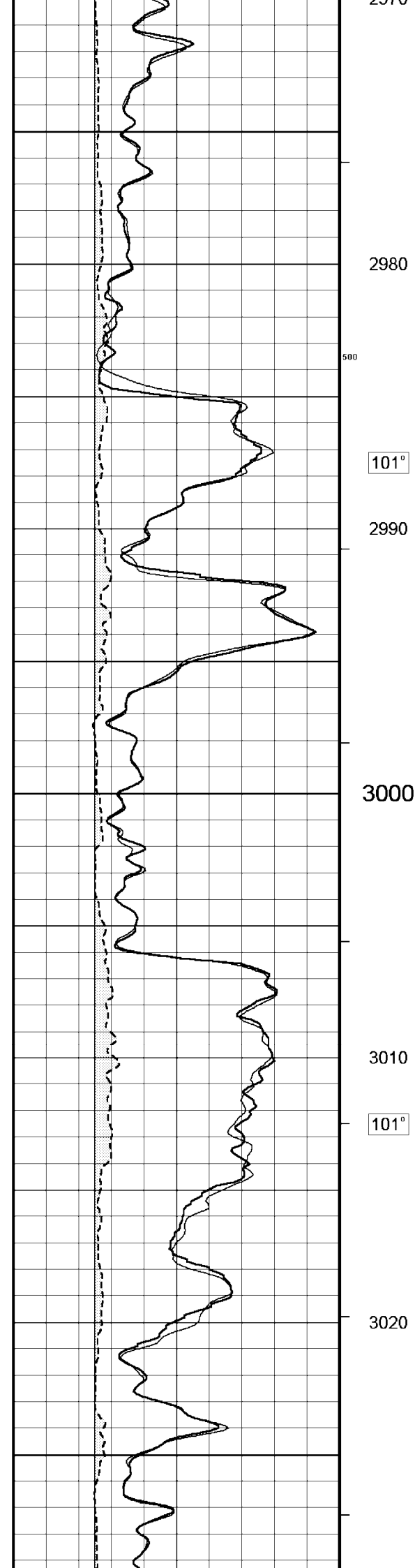
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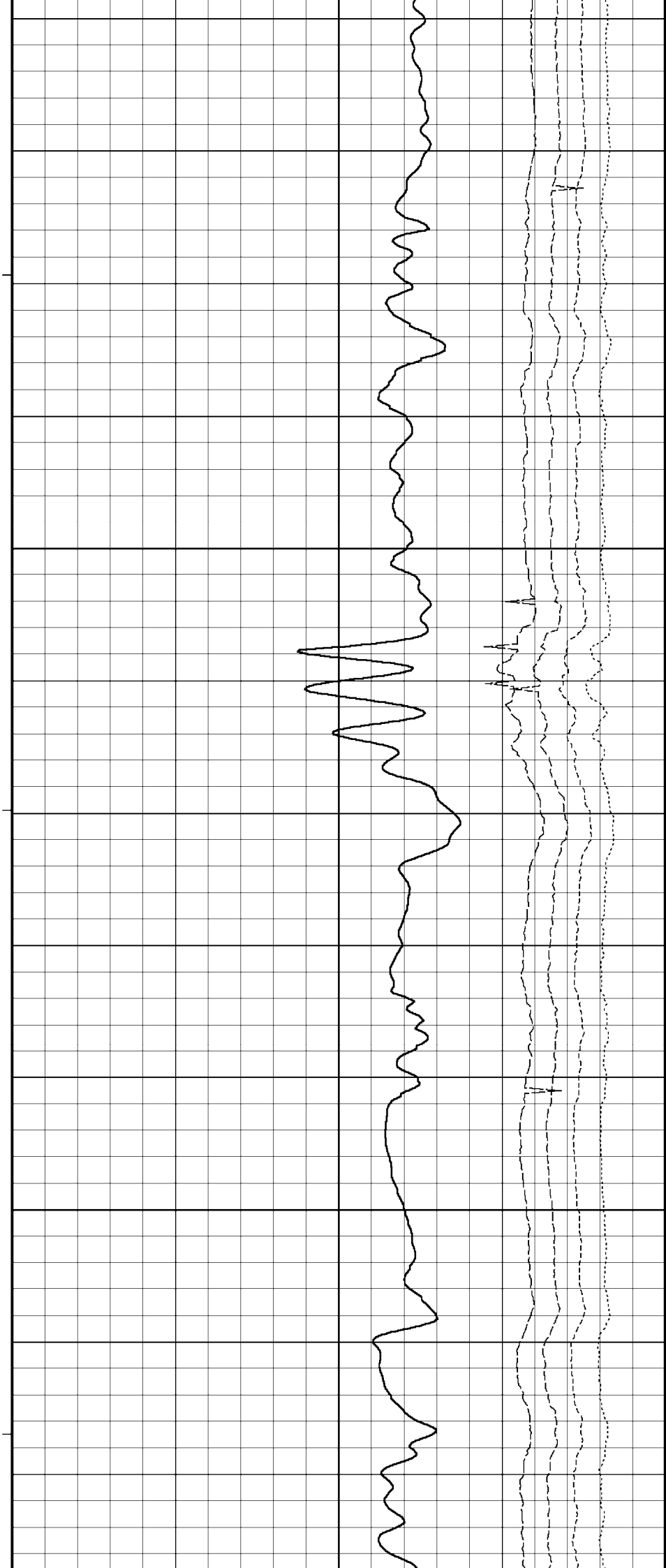
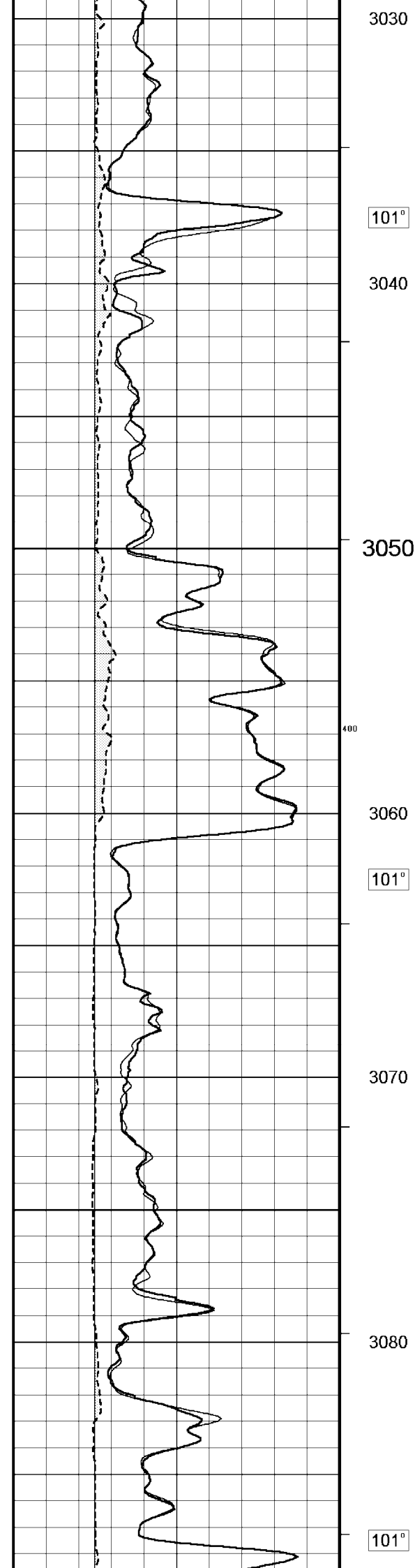


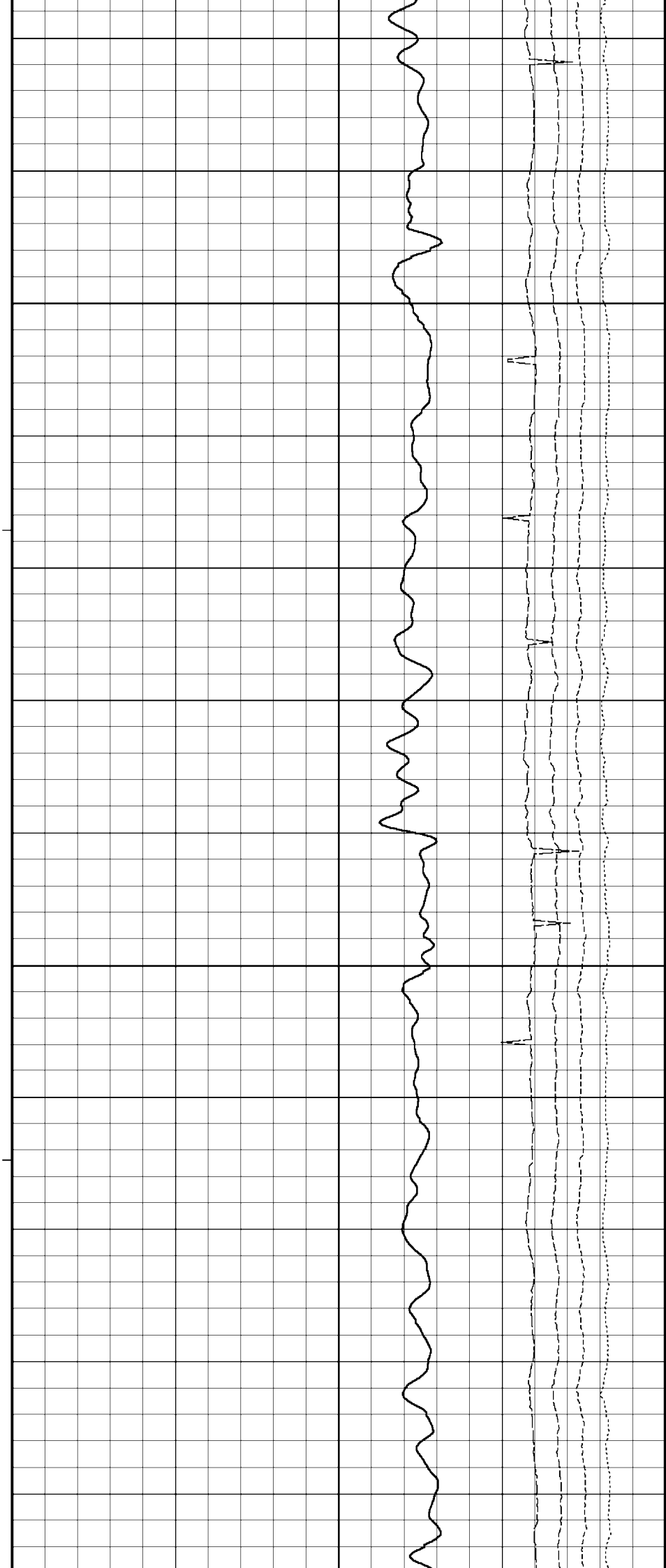
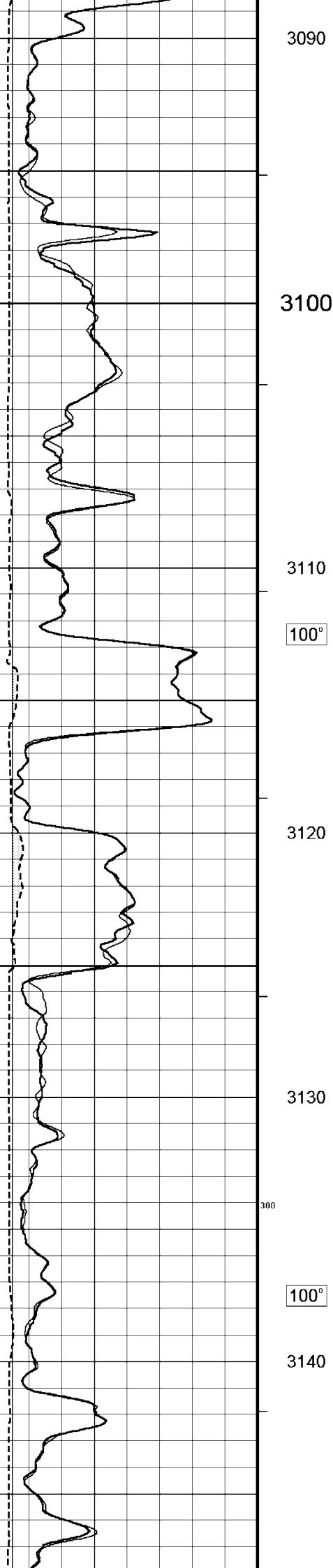


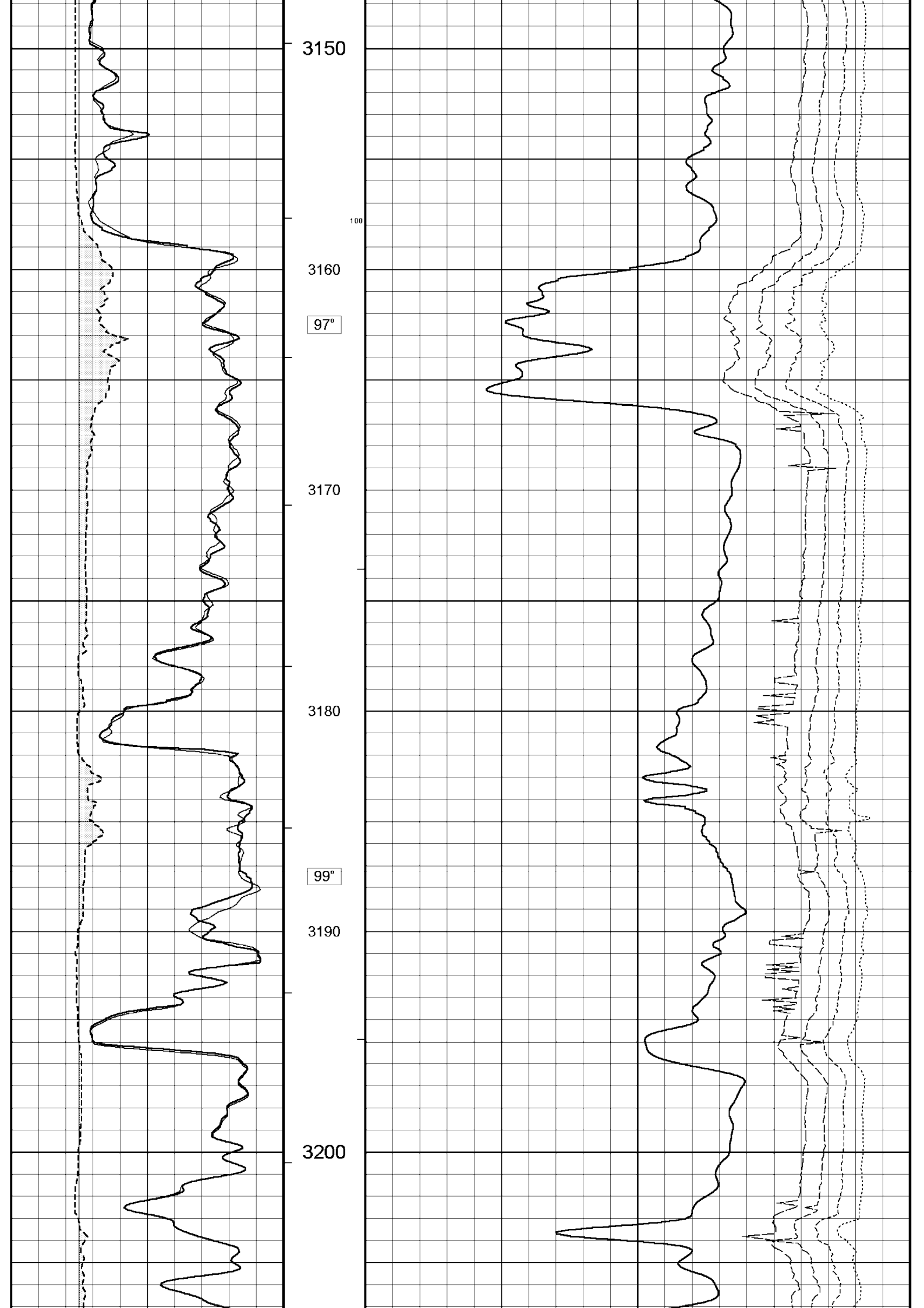


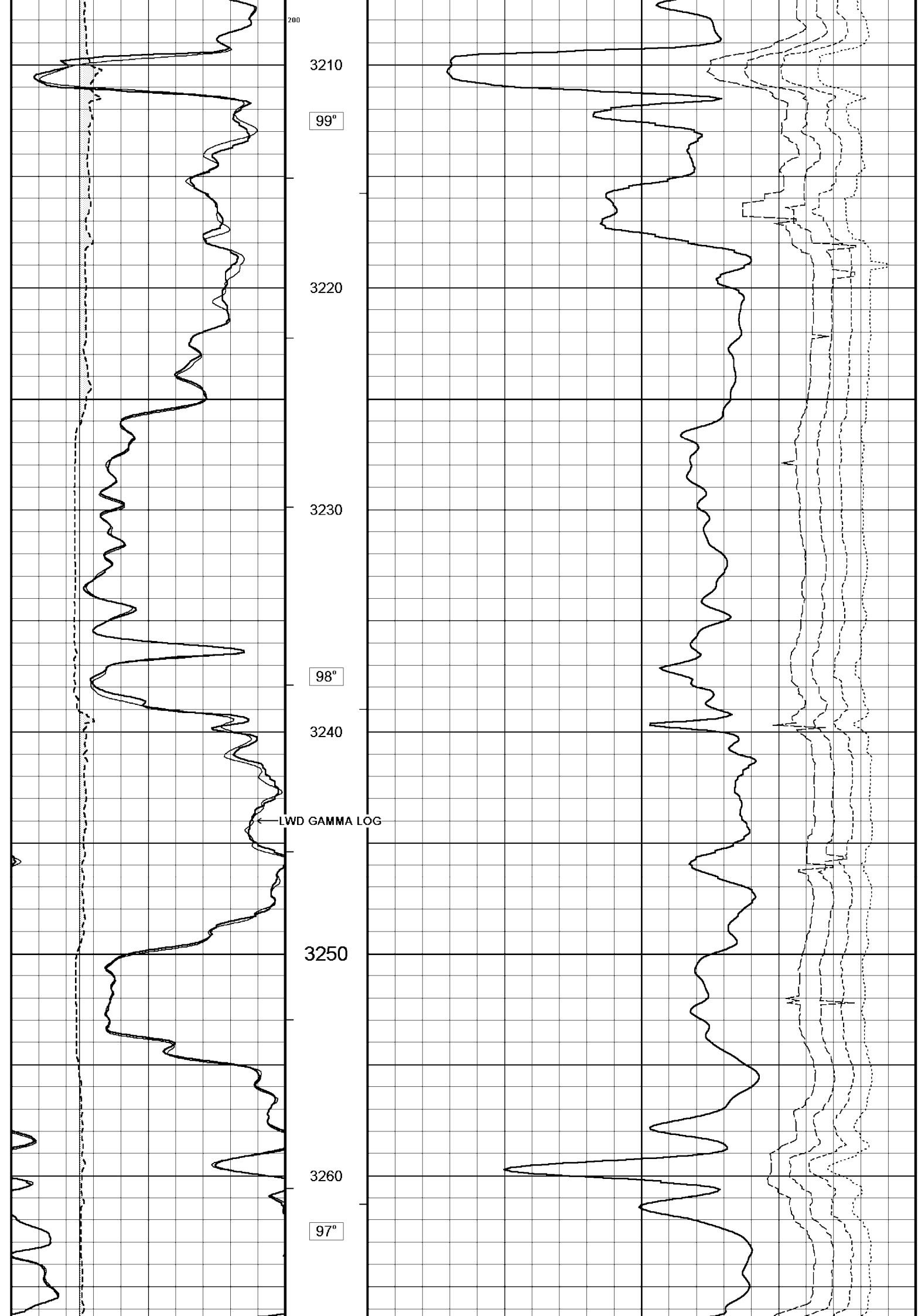


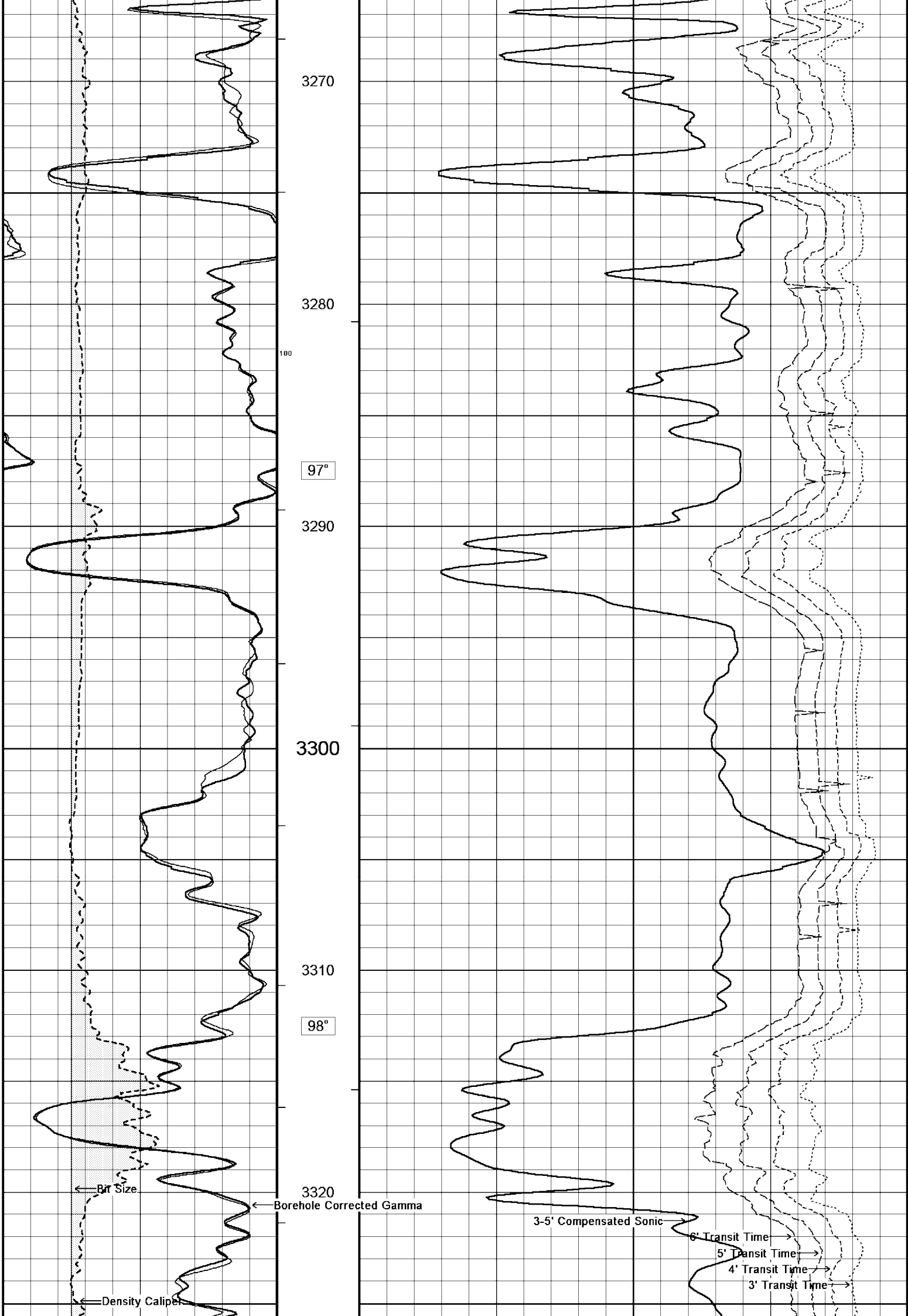


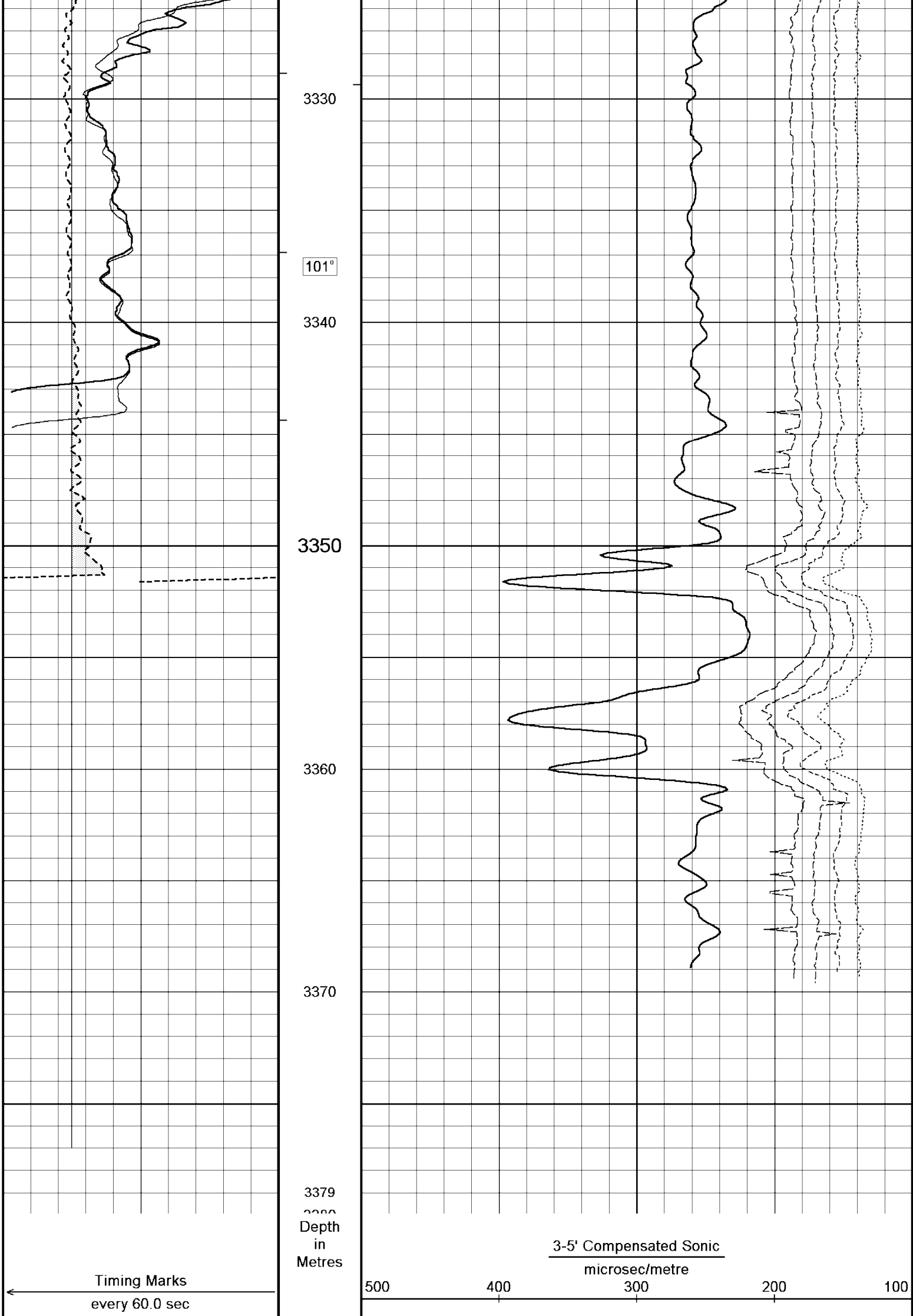


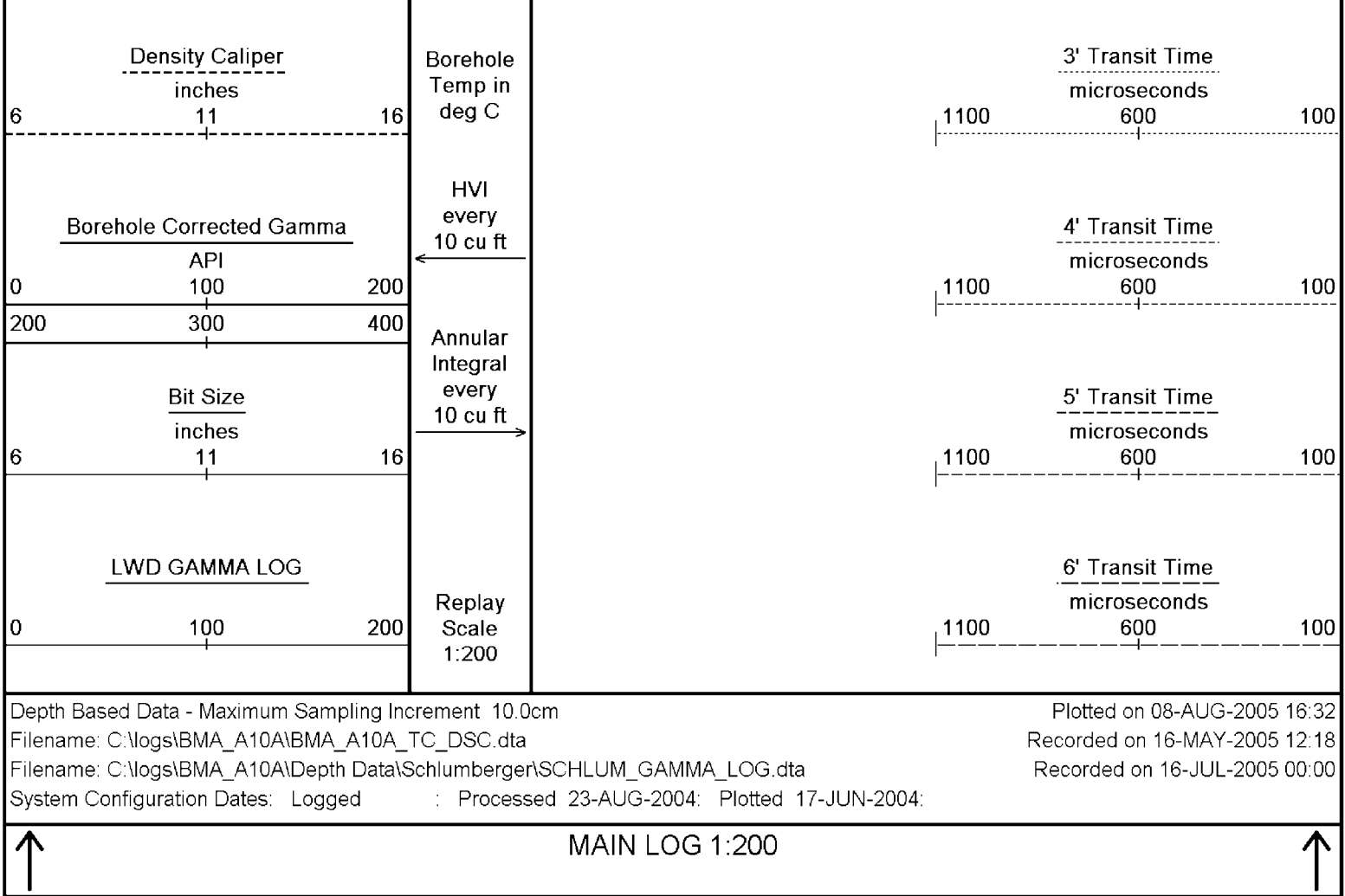












BEFORE SURVEY CALIBRATION			
C:\logs\BMA_A10A\BMA_A10A_MAIN_LOG_MSS_Remake_2JUNE05.dta			
General Constants All 000			
General Parameters			
Mud Resistivity	0.134	ohm-metres	
Mud Resistivity Temperature	25.000	degrees C	
Water Level	0.000	metres	
Density/Neutron Processing	Wet Hole		
Hole/Annular Volume 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 098			
	Measured	Calibrated(Deg C)	Field Calibration on 8-MAY-2005,02:39
Lower	0.00	0.00	
Upper	100.00	100.00	
High Resolution Temperature Constants MCG 098			
Pre-filter Length	11		
Gamma Calibration MCG 098			
	Measured	Calibrated (API)	Field Calibration on 8-MAY-2005 02:39
Background	9	6	
Calibrator (Gross)	1373	915	
Calibrator (Net)	1364	909	

Gamma Constants MCG 098

Gamma Calibrator Number	060	
Mud Density	1.21	gm/cc
Caliper Source for Processing	Density Caliper	
Tool Position	Eccentred	
Concentration of KCl	0.00	kppm

Caliper Calibration MPD 083

Base Calibration on 29-APR-2005 11:31

Field Calibration on 8-MAY-2005 02:30

Base Calibration

Reading No	Measured	Calibrator Size (in)
1	13428	4.01
2	21585	5.99
3	30000	7.98
4	38511	9.94
5	47824	12.01
6	N/A	N/A

Field Calibration

Measured Caliper (in)	Actual Caliper (in)
8.03	7.98

Sonic Constants MSS 066

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

DOWNHOLE EQUIPMENT

C:\logs\BMA_A10A\BMA_A10A_MAIN_LOG_MSS_Remake_2JUNE05.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: 90.4 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 139 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

MBE 21 - THIRD BRIDLE
MLK 111 Length: 3.76 m Weight: 88.2 lb

Compact Gamma
MCG 98 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 46 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



32.22 m GGCE - Borehole Corrected Gamma
31.33 m CGXT - MCG External Temperature

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 140 Length: 0.65 m Weight: 15.4 lb

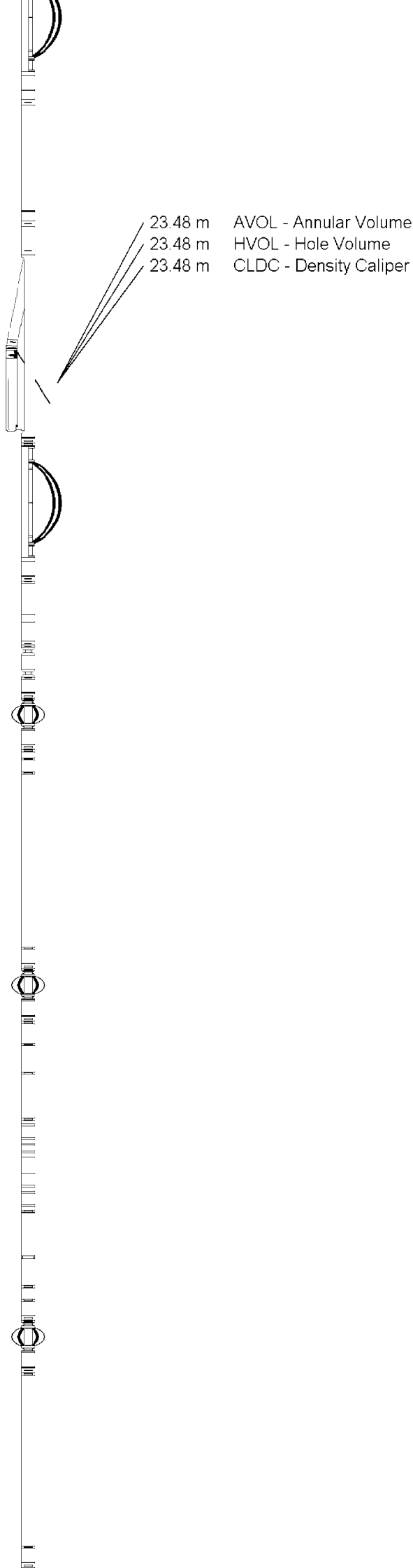
Compact Upper Guard Sub.
MUG 20 Length: 2.74 m Weight: 68.3 lb

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

Compact Laterolog Electrode Sub.
MLE 16 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 133 Length: 0.65 m Weight: 15.4 lb

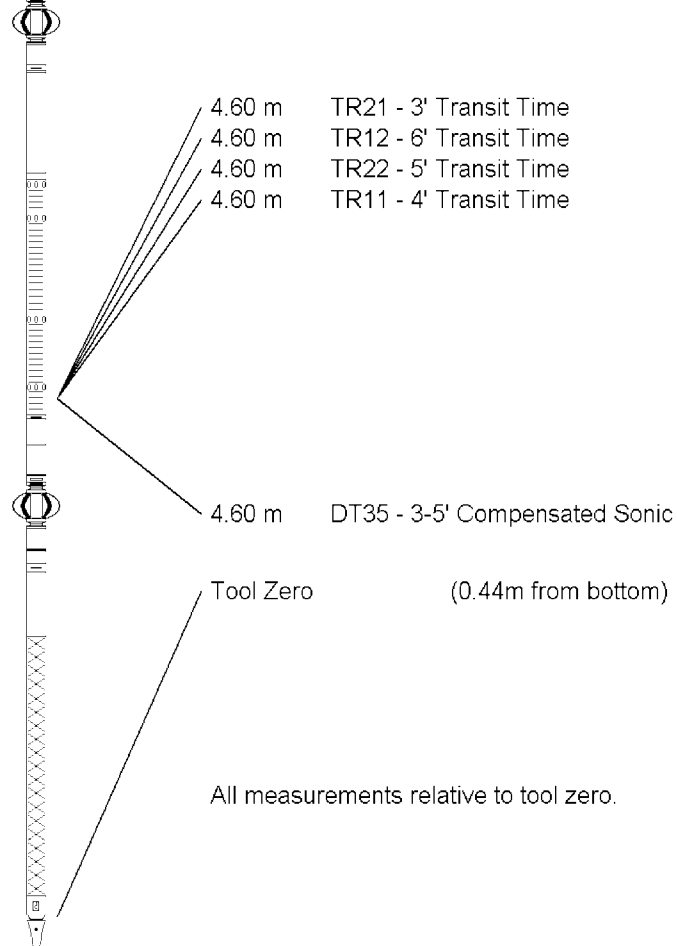
Compact Sonic
MSS 66 Length: 3.82 m Weight: 72.8 lb

Compact Inline Standoff B
MIS 128 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 3 Length: 0.40 m Weight: 6.6 lb

Total Length: 53.36 m Weight: 1289.7 lb



COMPANY	ESSO AUSTRALIA PTY LTD
WELL	BREAM A10A
FIELD	BREAM
PROVINCE/COUNTY	BASS STRAIT
COUNTRY/STATE	AUSTRALIA

Elevation Kelly Bushing	metres	First Reading	3370.10	metres	
Elevation Drill Floor	32.82	metres	Depth Driller	3379.50	metres
Elevation Ground Level	-59.40	metres	Depth Logger	3375.10	metres



COMPENSATED SONIC
1:200 MD