

Reeves

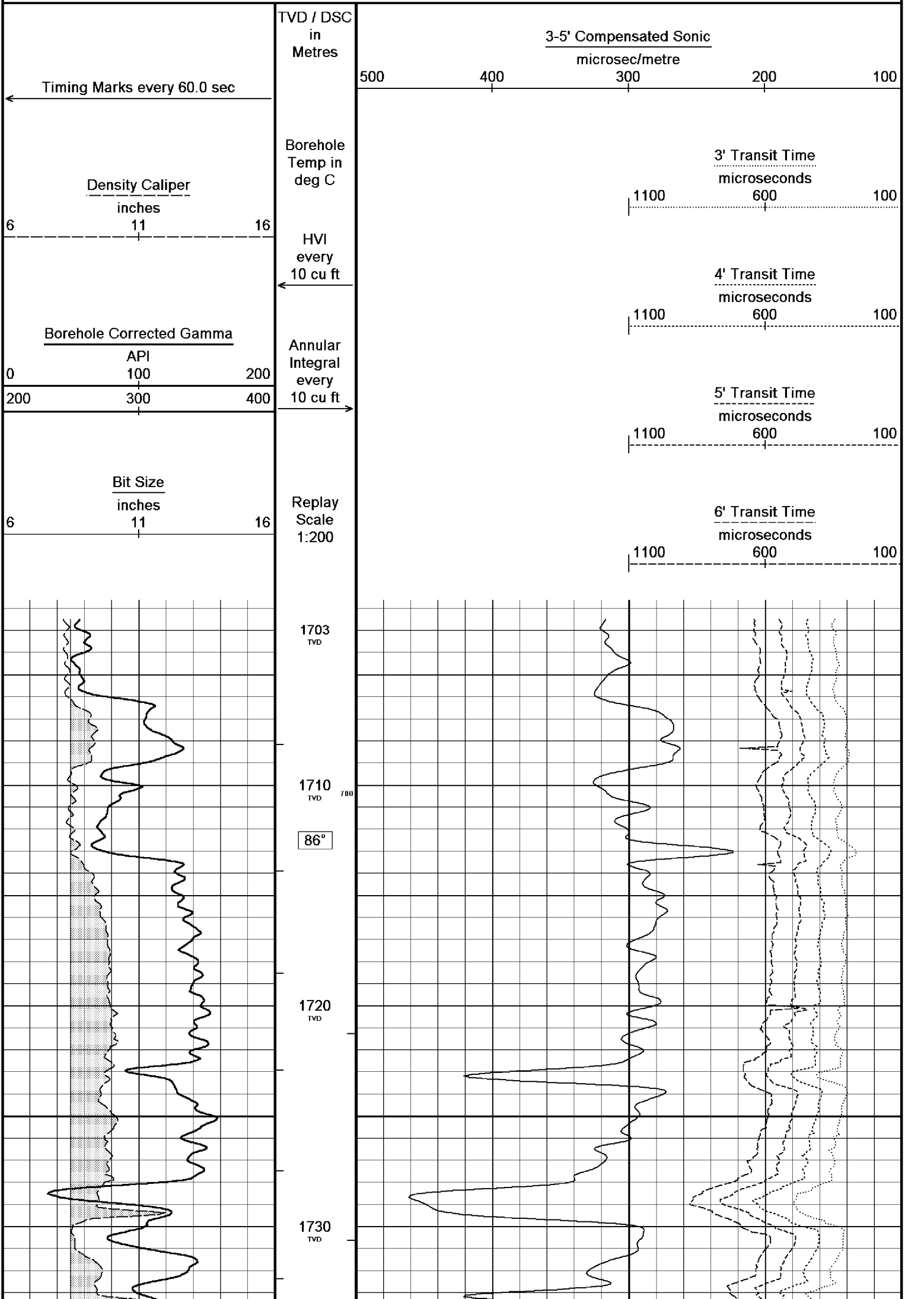
Compact

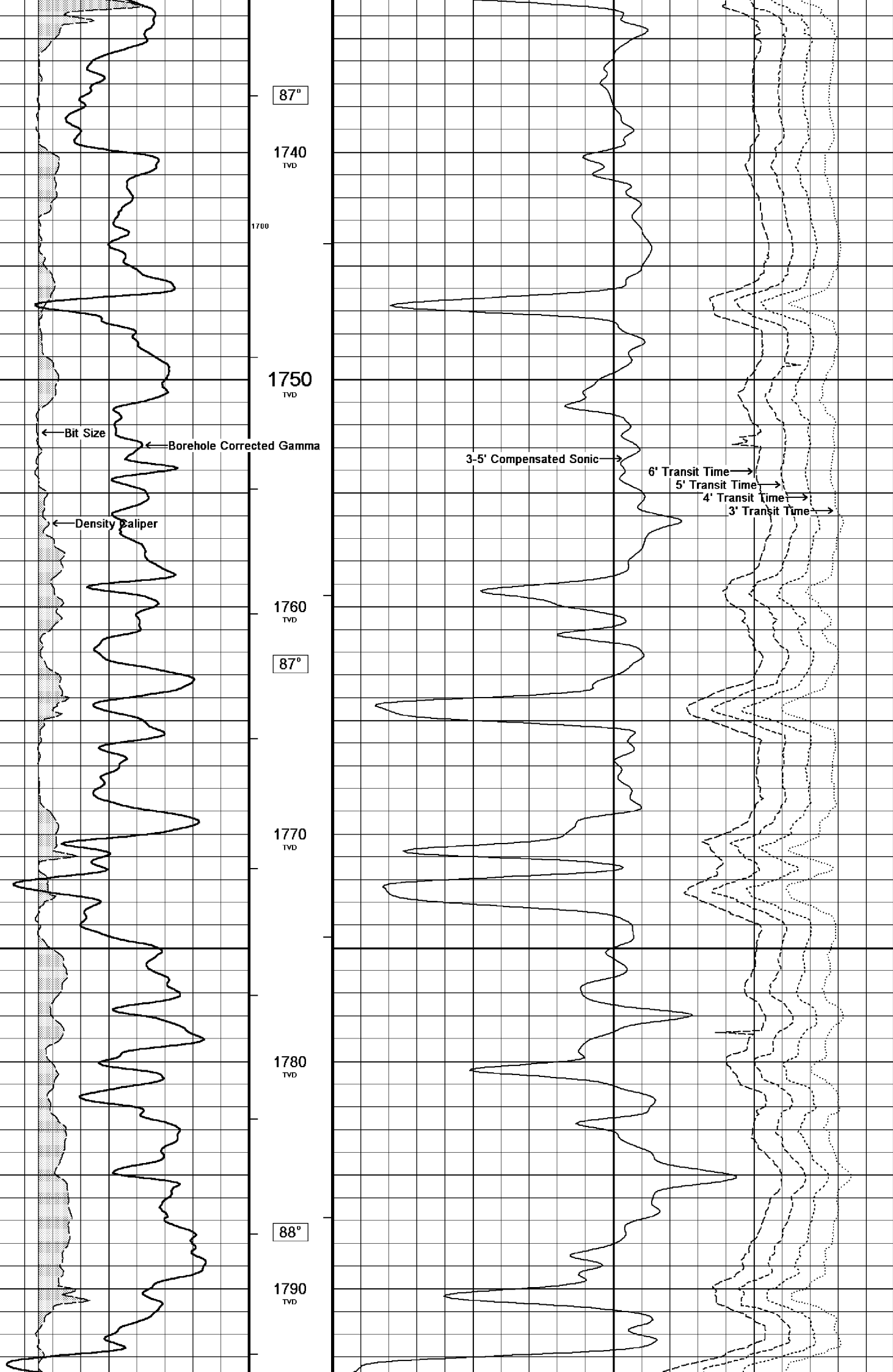
COMPENSATED SONIC 1:200 TVD

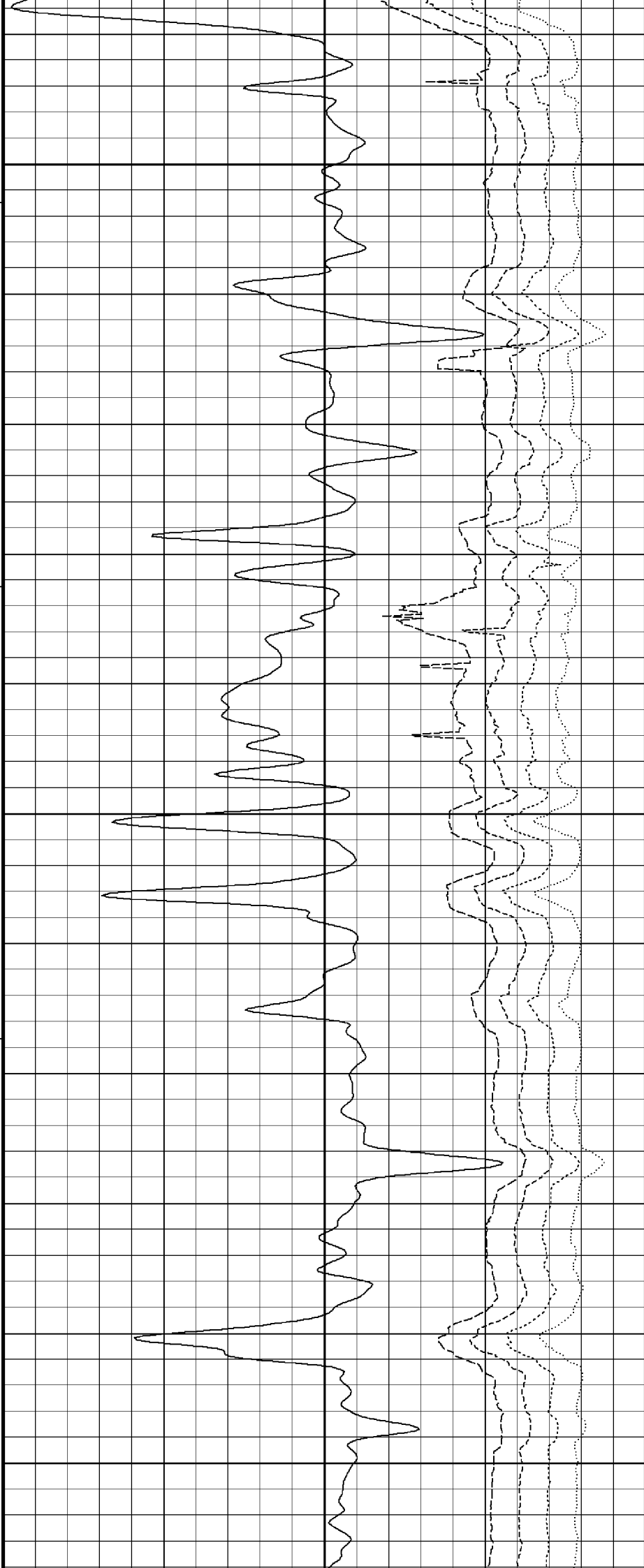
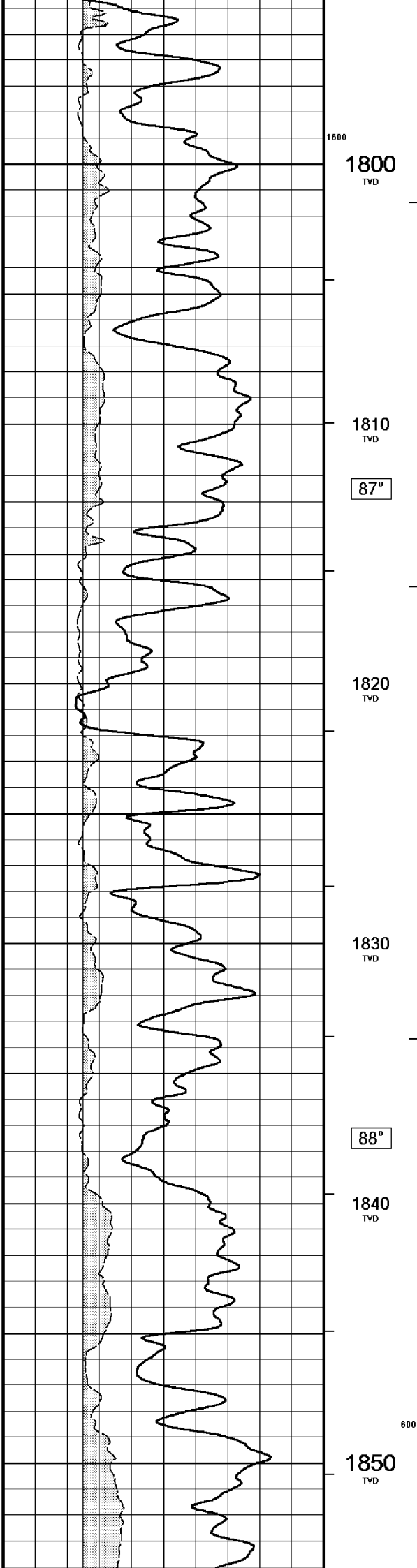
COMPANY				ESSO AUSTRALIA PTY. LTD.			
WELL				MARLIN A24A			
FIELD				TURRUM			
PROVINCE/COUNTY				BASS STRAIT			
COUNTRY/STATE				AUSTRALIA			
LOCATION				38Ddeg13'49.203"S, 148Ddeg13'15.554"E			
				N 5767923.720 m, E 606865.170 m			
				FINAL PRINT			
LSD	SEC	TWP	RGE	Other Services			
				DUAL LATEROLOG			
API Number				PHOTO DENSITY			
Permit Number VIC/L11				COMPENSATED NEUTRON			
Permanent Datum MSL				Elevation 0.0 metres			
Log Measured From RT@27.91 m				above Permanent Datum			
Drilling Measured From RT							
Date	5-MAY-2004						
Run Number	ONE						
Depth Driller	2676.90		metres				
Depth Logger	2672.90		metres				
First Reading	2672.50		metres				
Last Reading	1702.40		metres				
Casing Driller	633.50		metres				
Casing Logger							
Bit Size	8.50		inches				
Hole Fluid Type	KCL/GLY/PPHA						
Density / Viscosity	10.15 lb/USg		30.00 CP				
PH / Fluid Loss	8.90		3.00 ml/30Min				
Sample Source	PRESS						
Rm @ Measured Temp	0.137 @ 25.0		ohm-m				
Rmf @ Measured Temp	0.098 @ 25.0		ohm-m				
Rmc @ Measured Temp	0.236 @ 25.0		ohm-m				
Source Rmf / Rmc	FLOW		FLOW				
Rm @ BHT	0.066 @ 75.0		ohm-m				
Time Since Circulation	36 HRS						
Max Recorded Temp	90.60		deg C				
Equipment Name	CWS/CML						
Equipment / Base	1		SALE				
Recorded By	G. MCMANUS, N. PATMAN						
Witnessed By	C. MENHENNIT, L. CULLEN						
Circ. Stopped	1400 4-MAY						

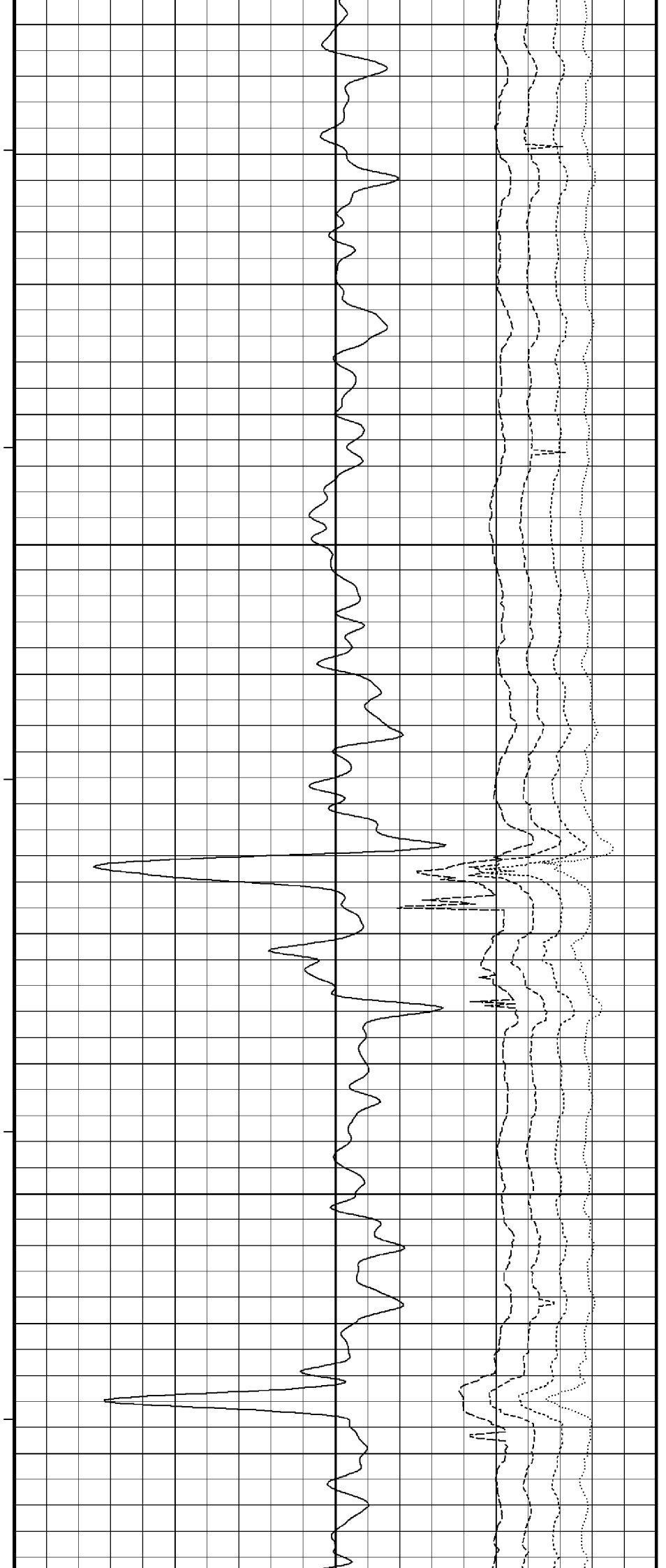
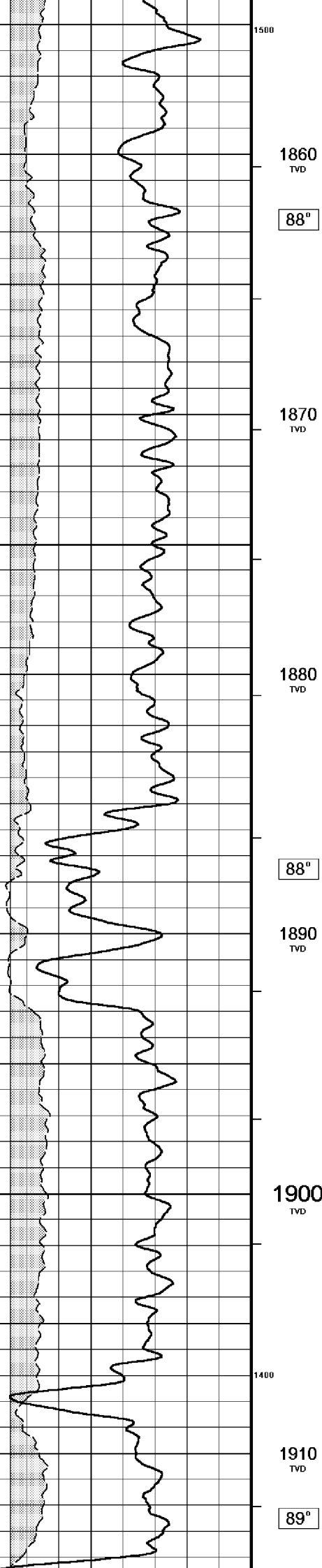
BOREHOLE RECORD				
Bit Size inches		Depth From metres		Depth To metres
8.500		653.000		3275.000
CASING RECORD				
Type	Size inches	Depth From metres	Shoe Depth metres	Weight pounds/ft
SURFACE	13.375	0.000	653.000	0.00
L80	9.625	0.000	653.000	47.00
REMARKS				
Miss Run - No data collected above 2008.5 m MD Due To Battery Failure				
Rig Nabors 453				
5" SHUTTLE - MEMORY LOGGING				
5-MAY-04				
Crew: G McManus, N Patman, M Susa, B Goodwin				
Logs depth corrected -1.1m to correlate with Anadrill gamma log.				
AVERAGE INCLINATION: 38° FROM WINDOW TO TD				
MAXIMUM INCLINATION: 42.38° @ 3162.70 mMD				
MAXIMUM DOGLEG SERVERITY: 5.53°/30m @ 780.54				
MAXIMUM TEMPERATURE: 90.6°C @ 2654.30 mMD				

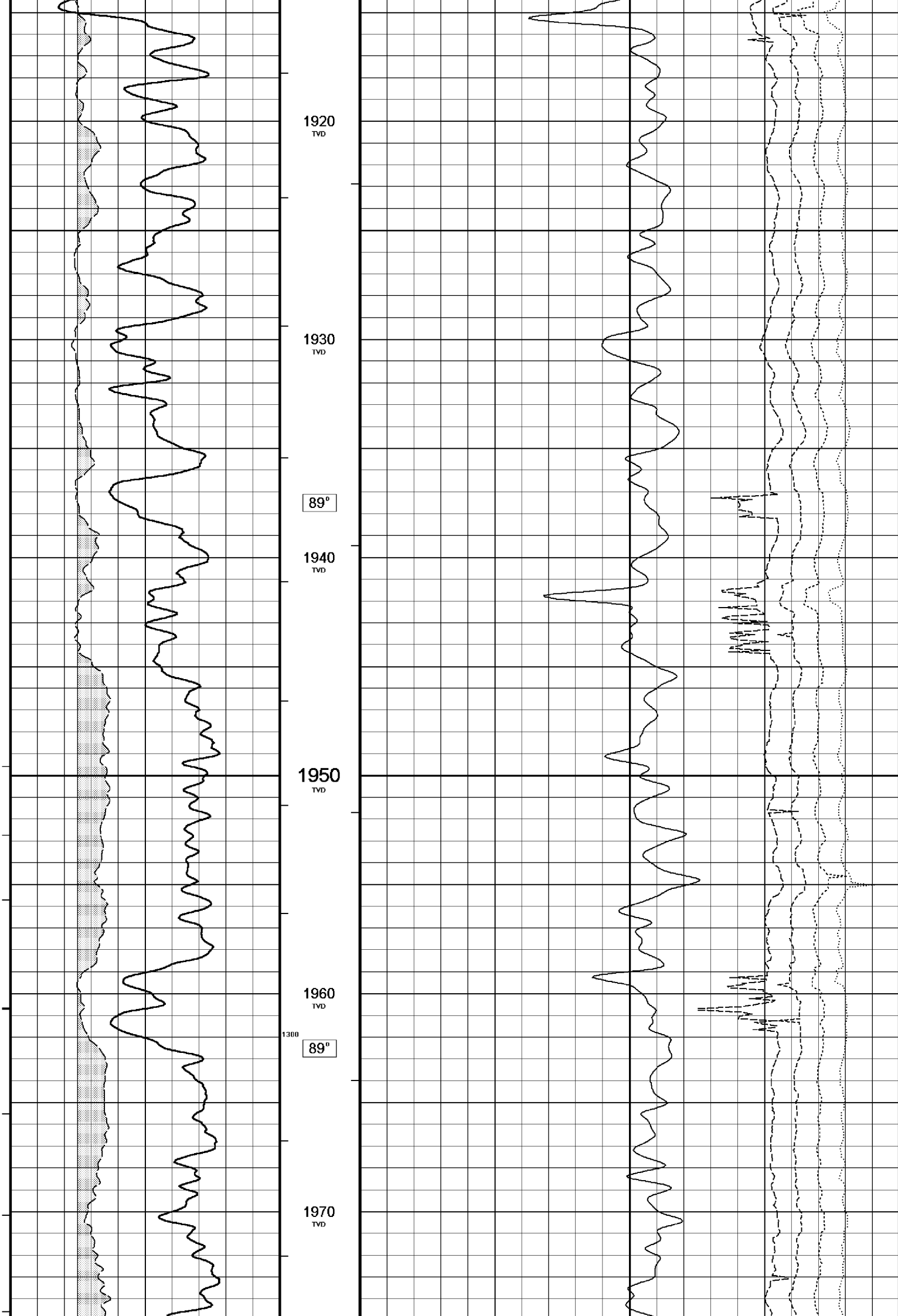
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs,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

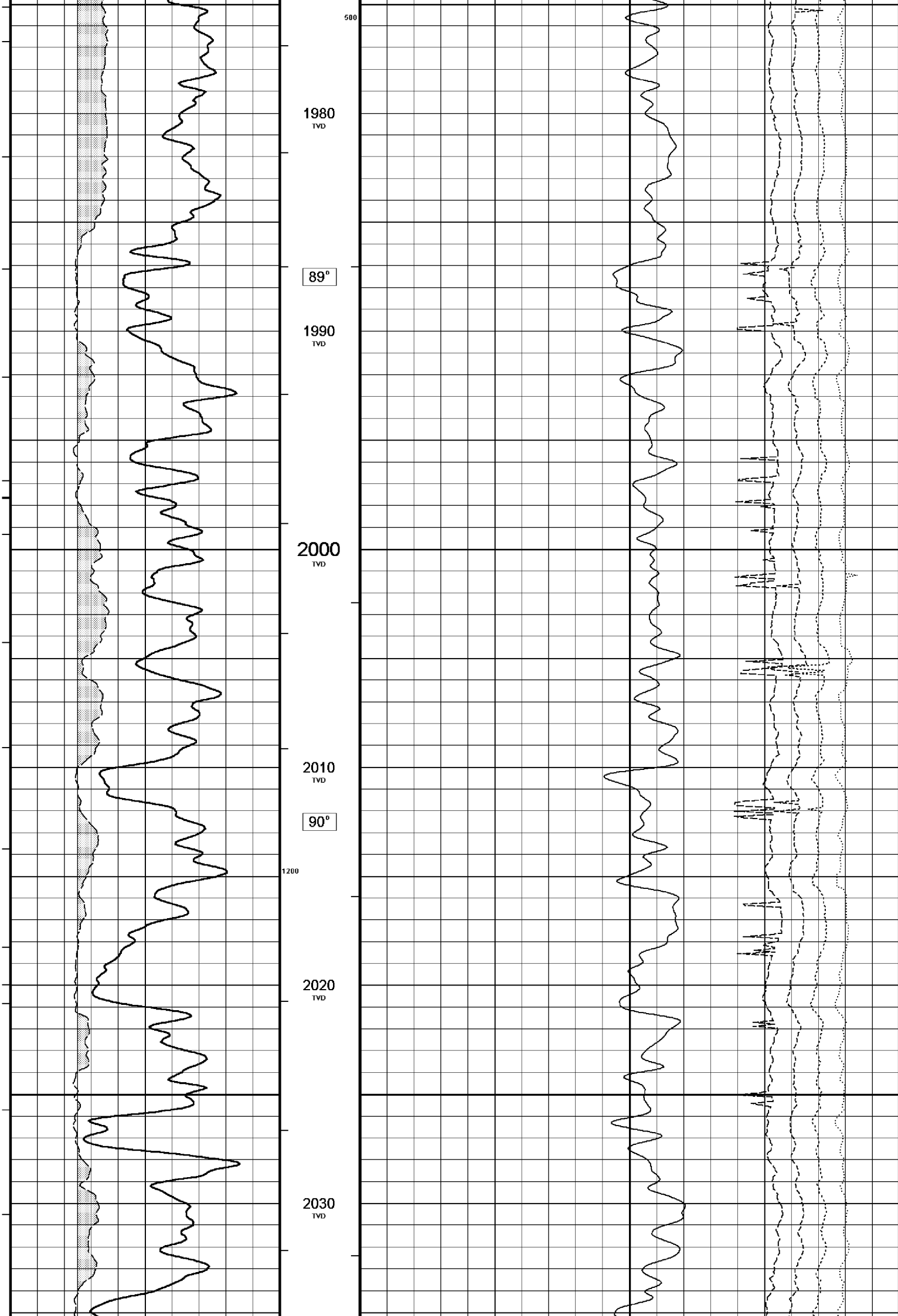


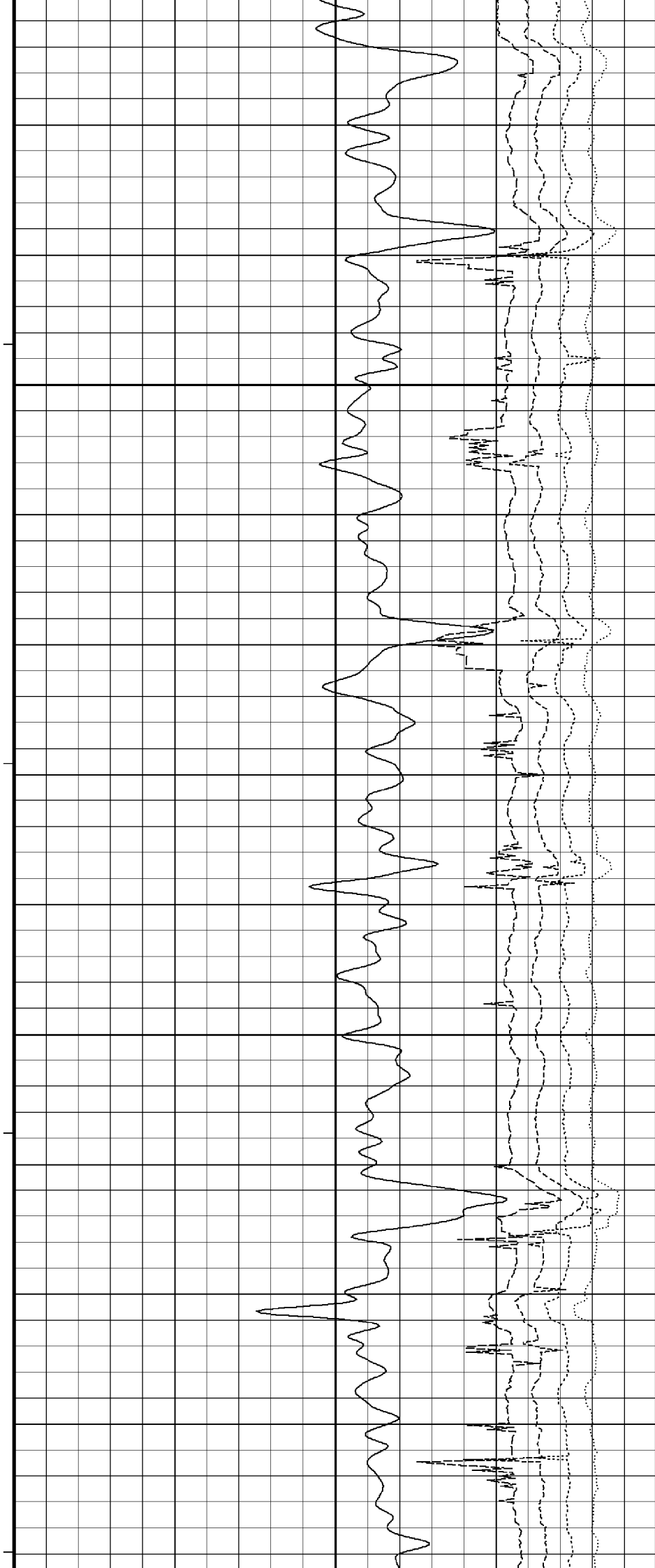
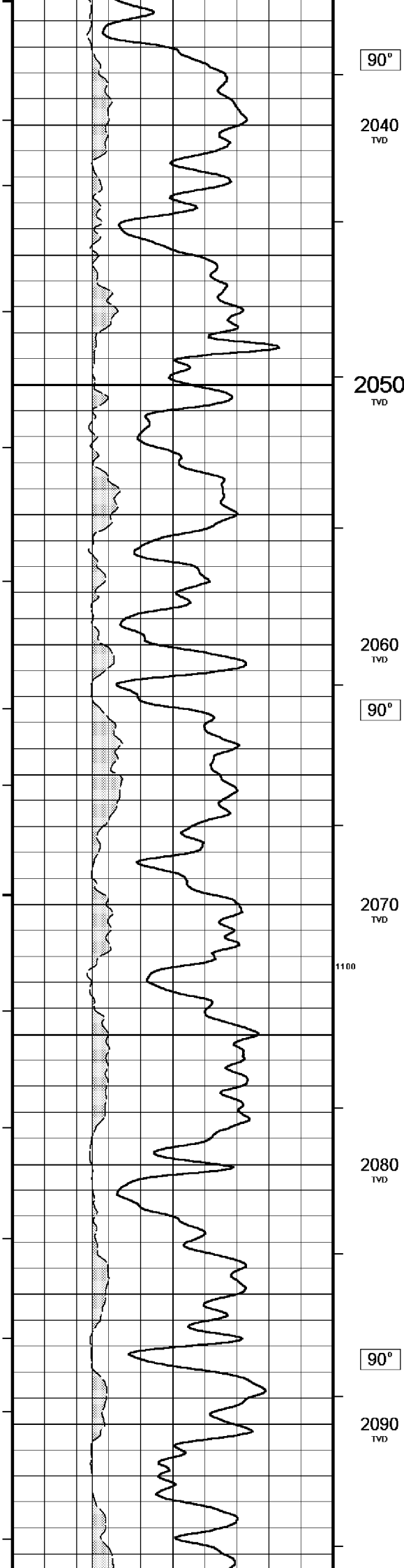


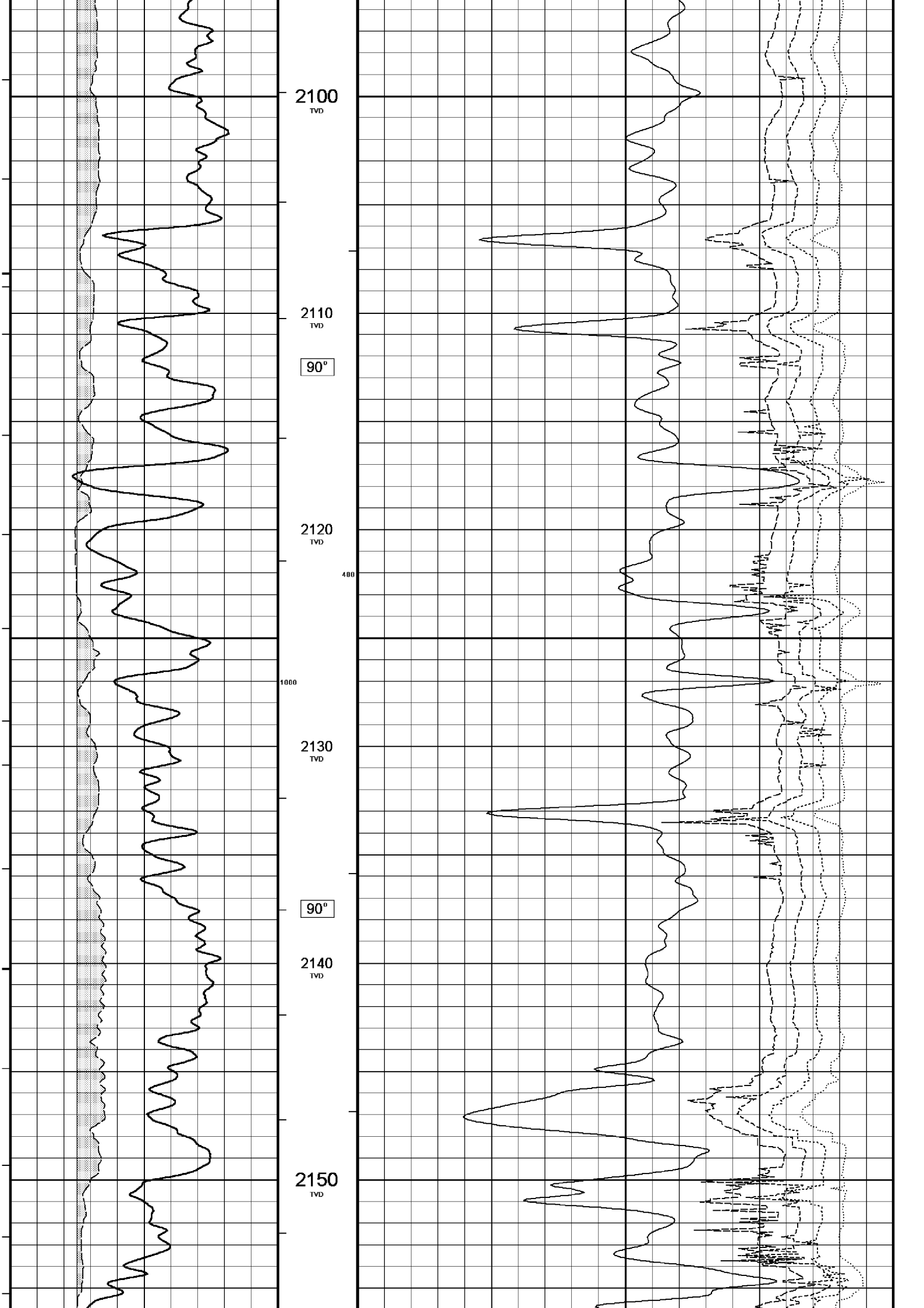


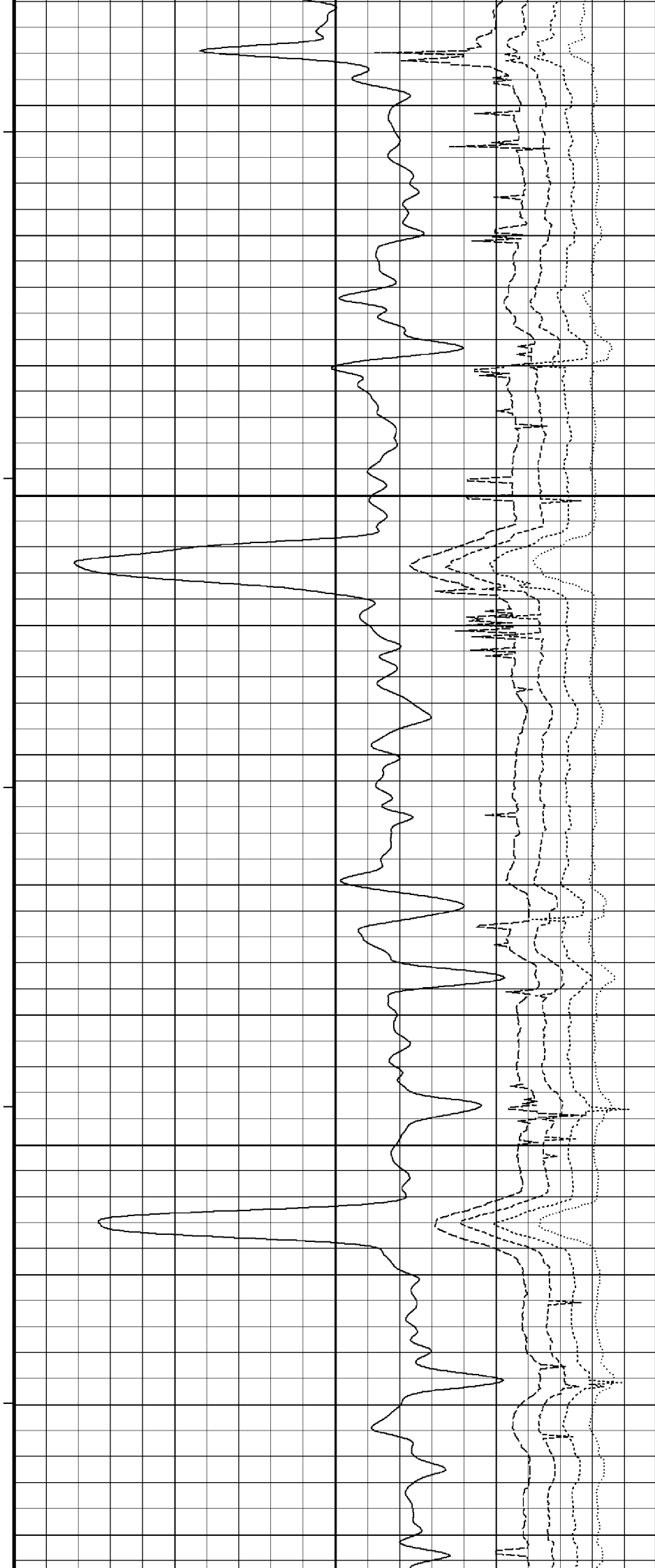
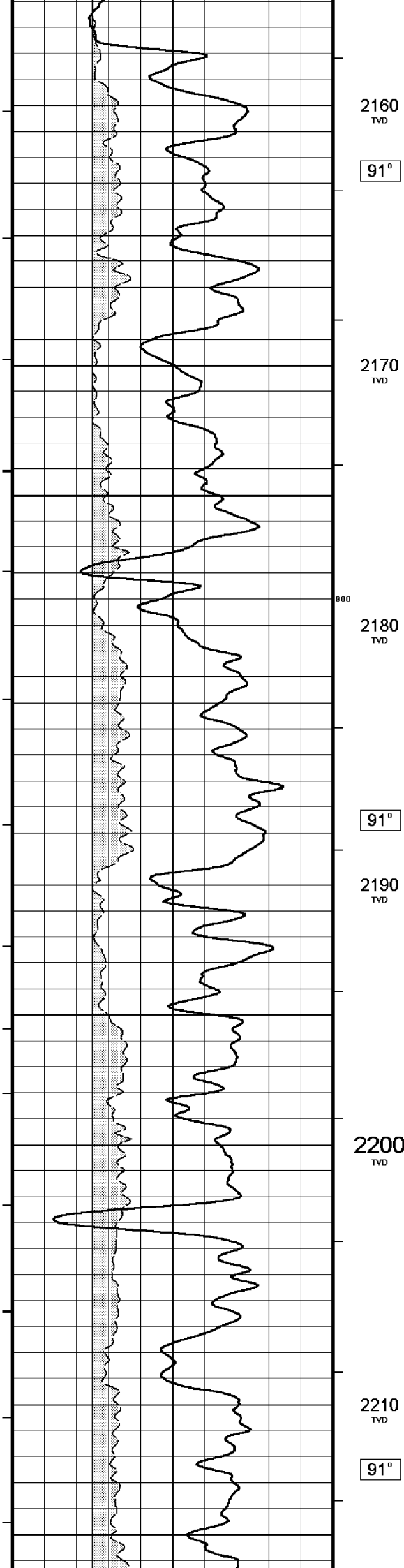


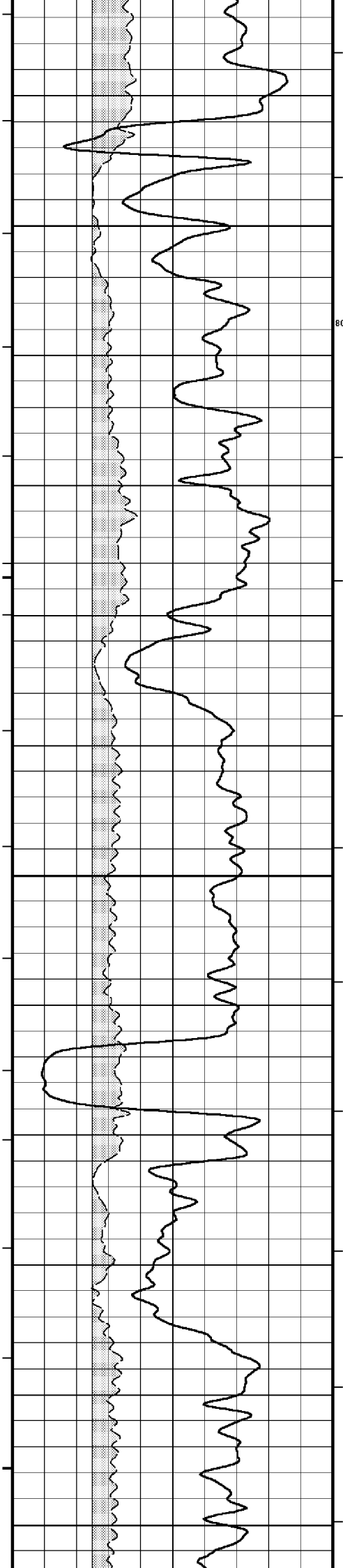












2220
TVD

2230
TVD

90°

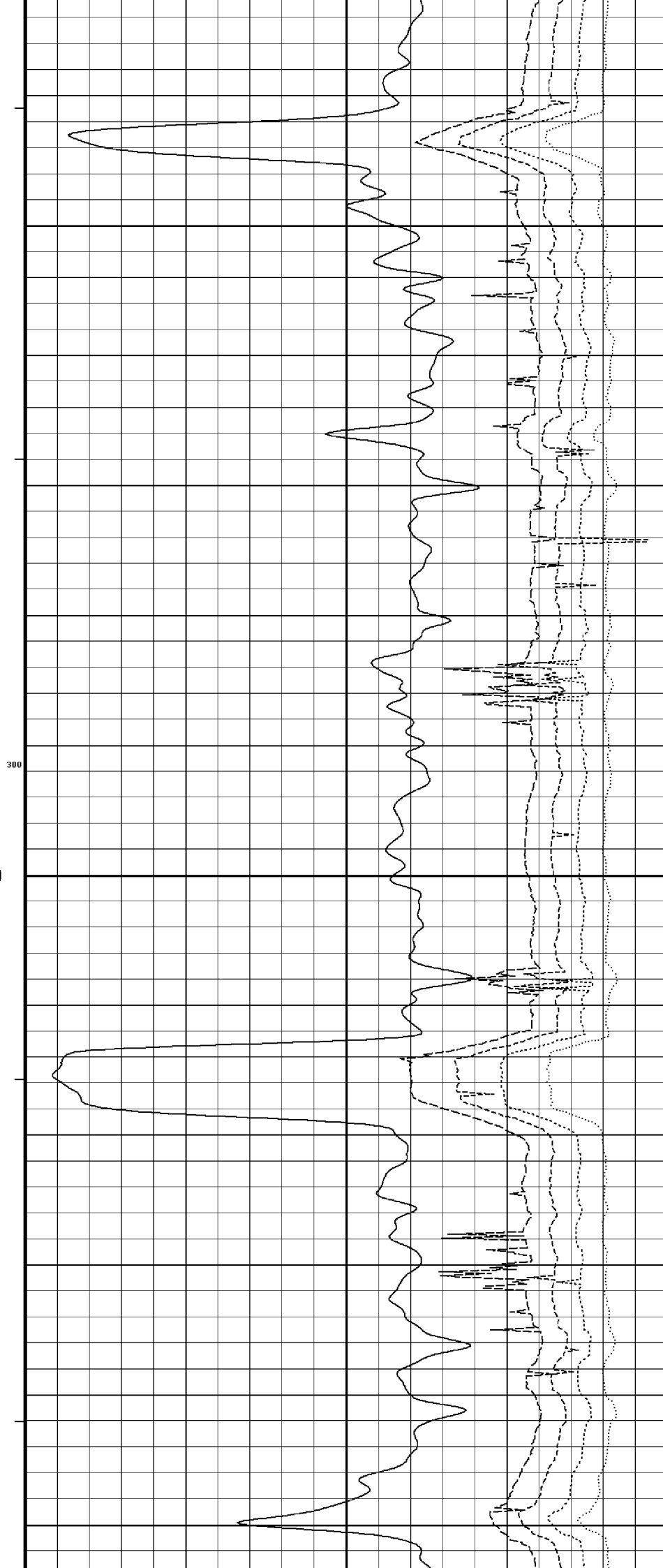
2240
TVD

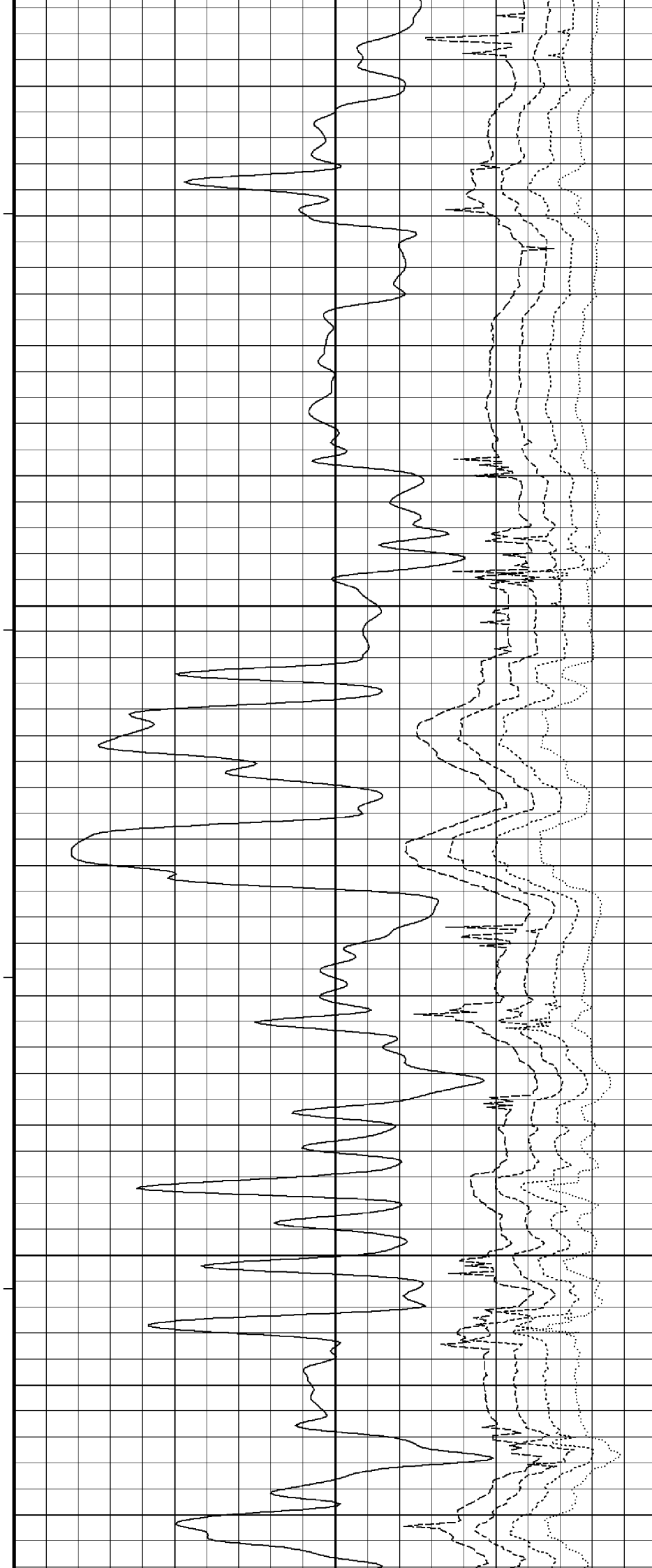
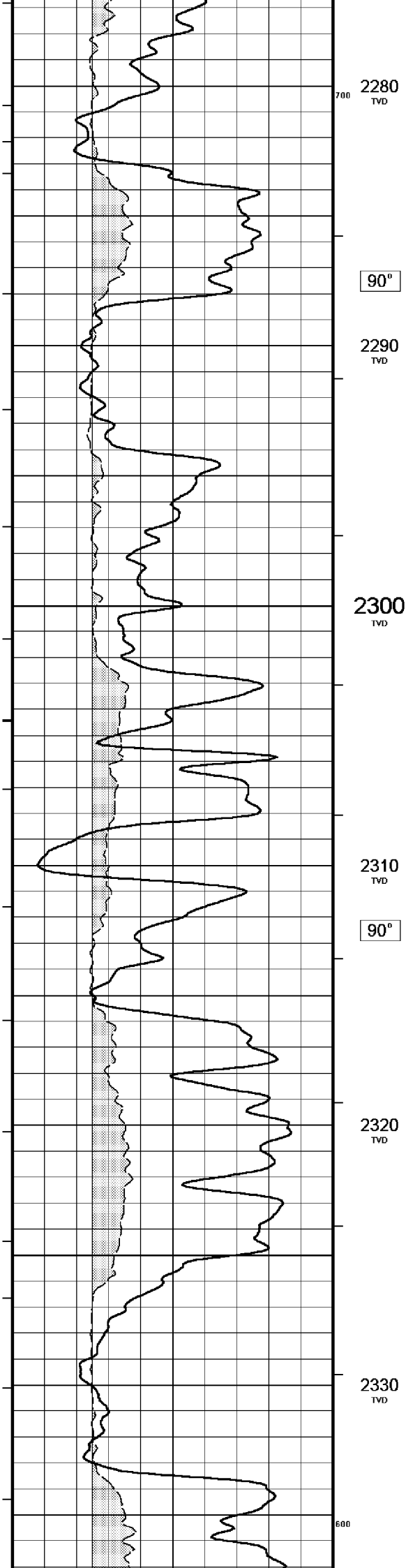
2250
TVD

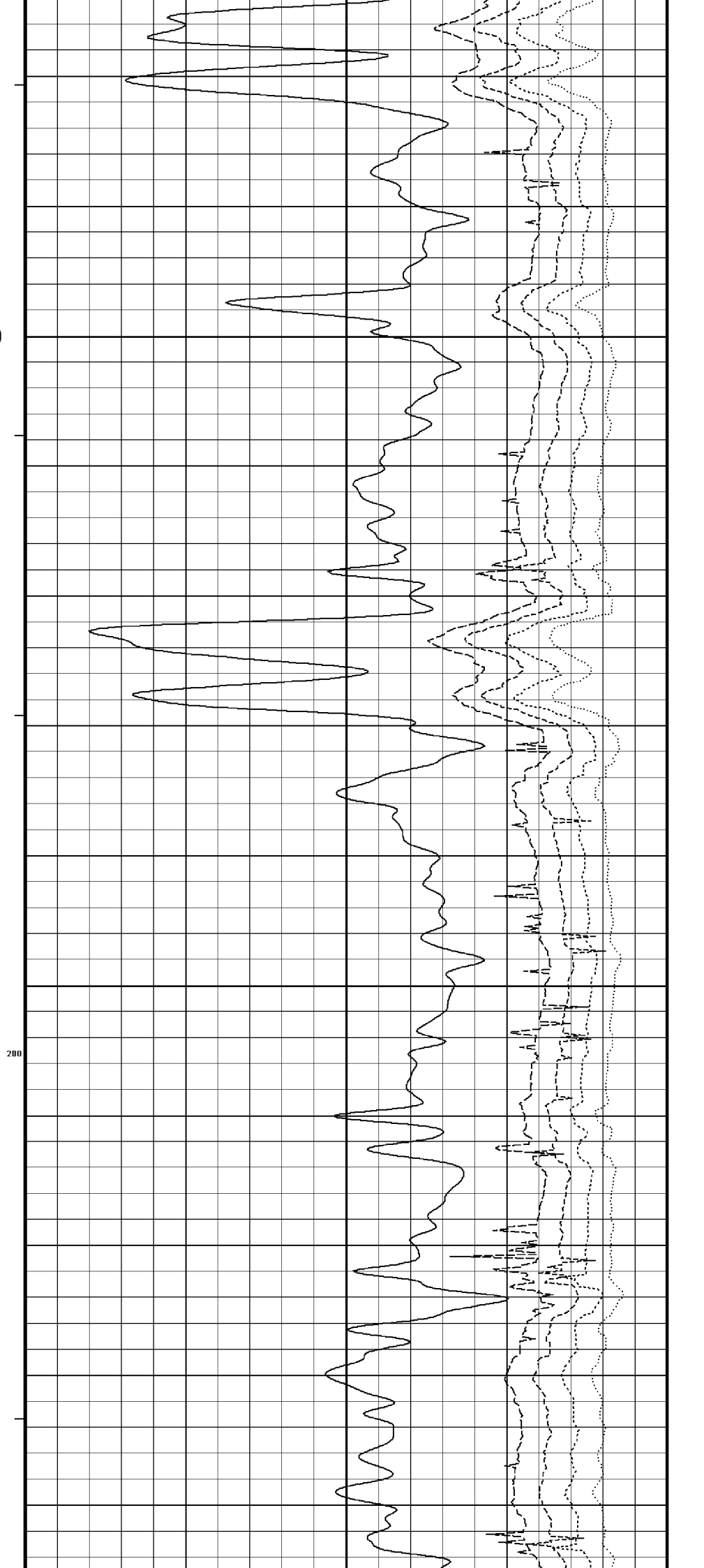
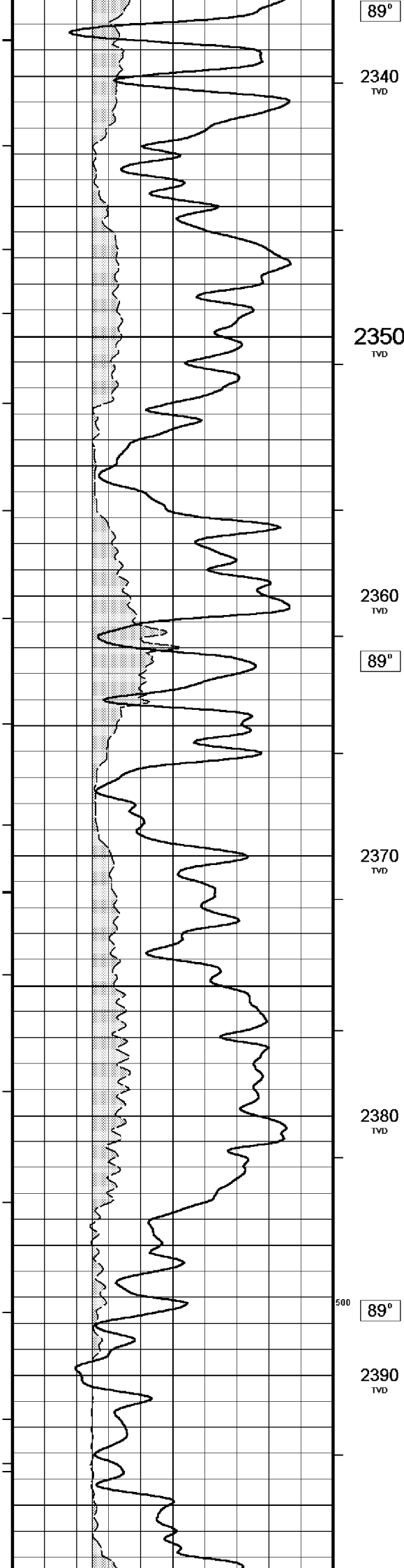
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TVD

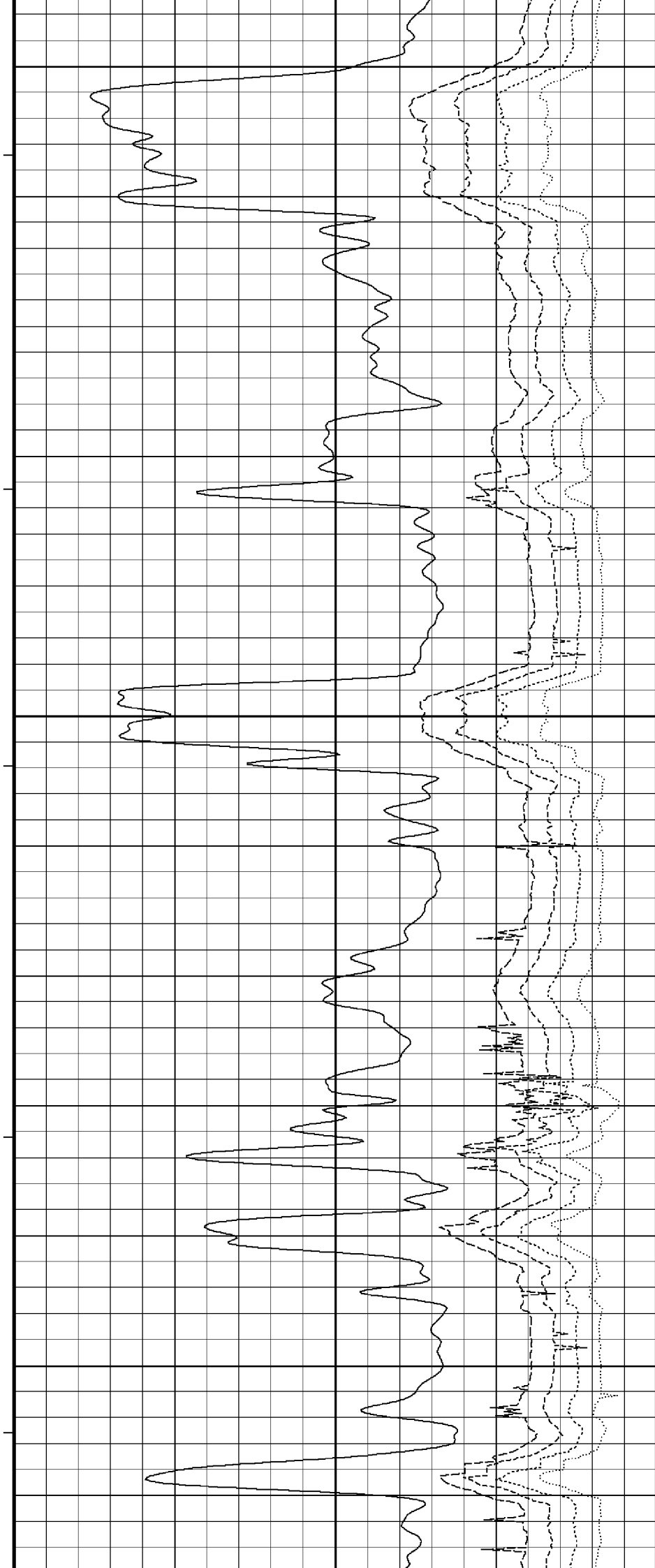
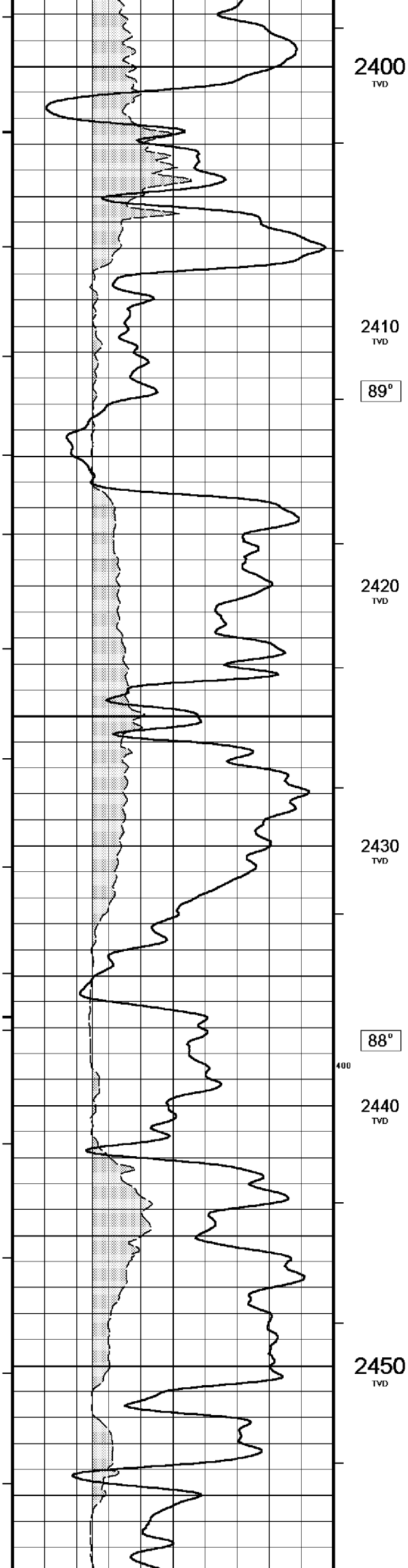
90°

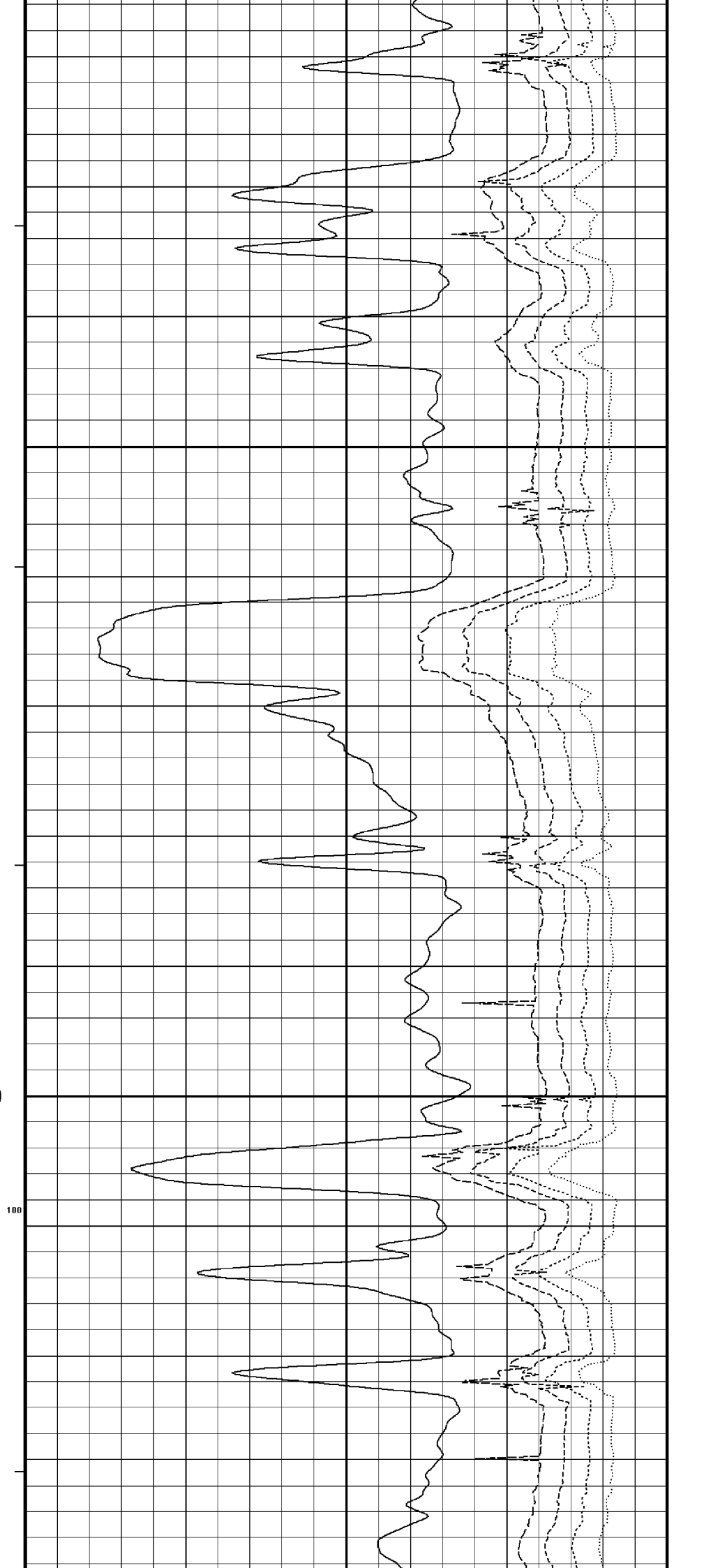
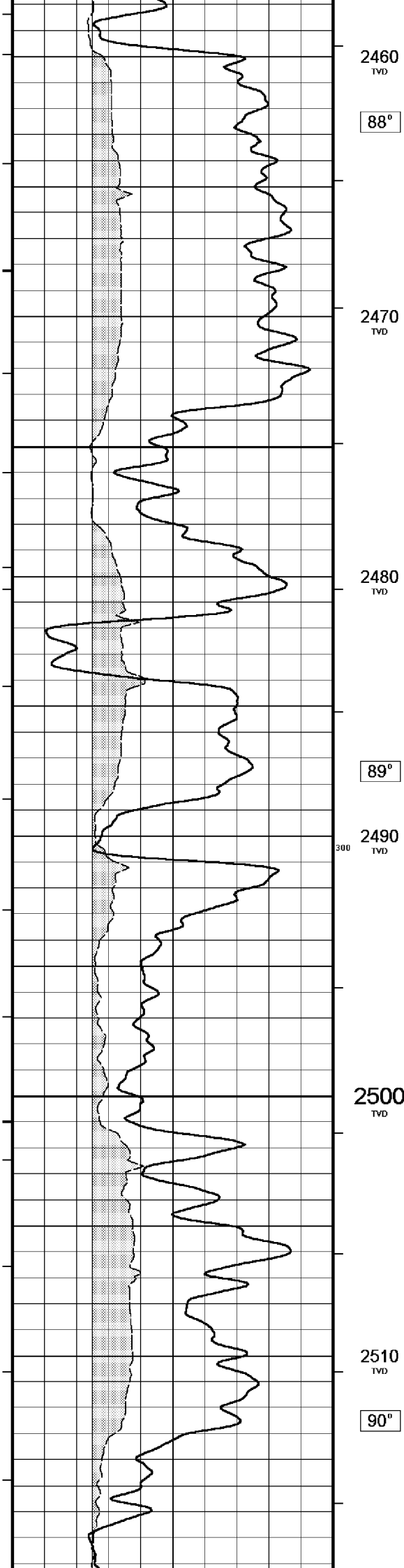
2270
TVD

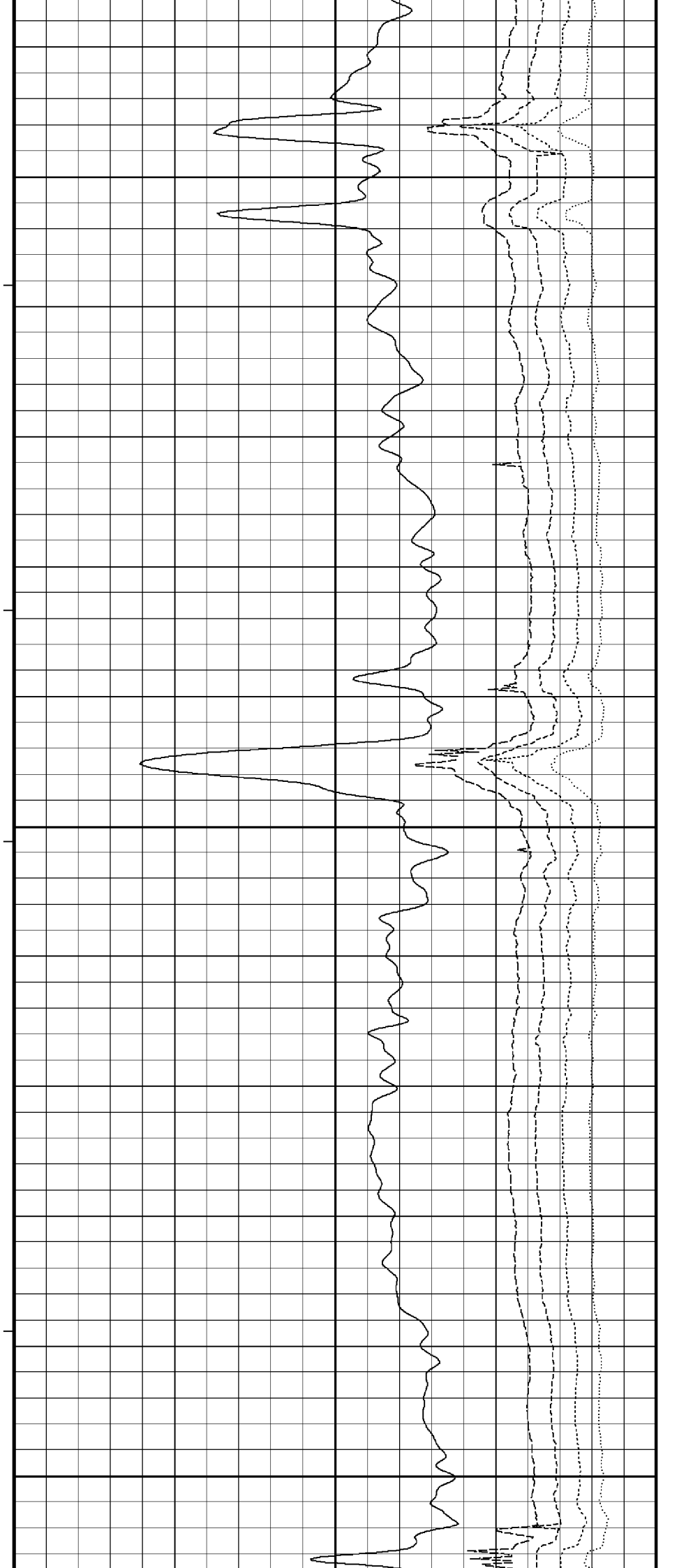
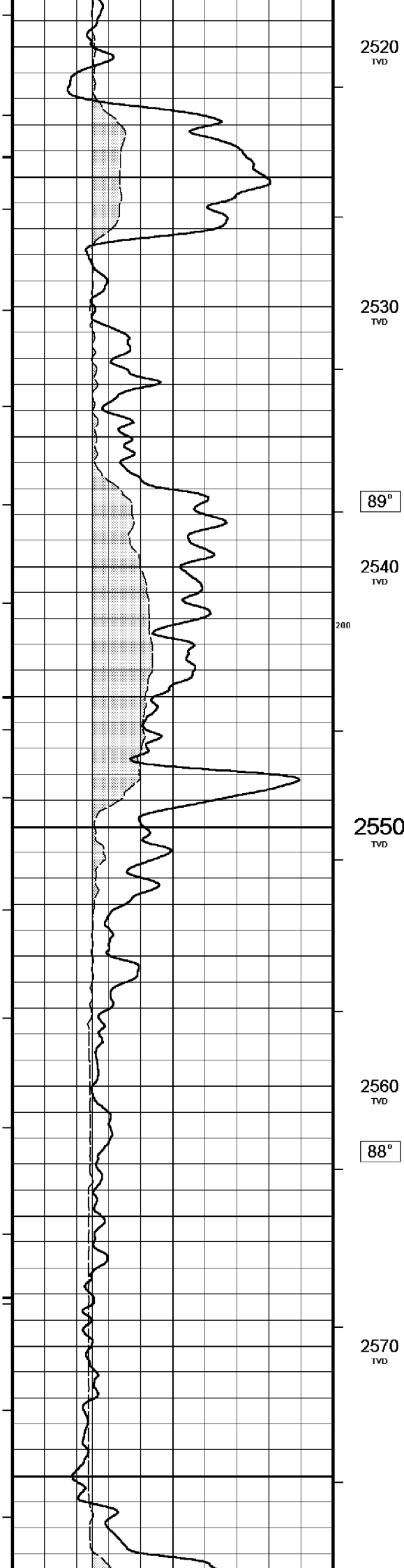


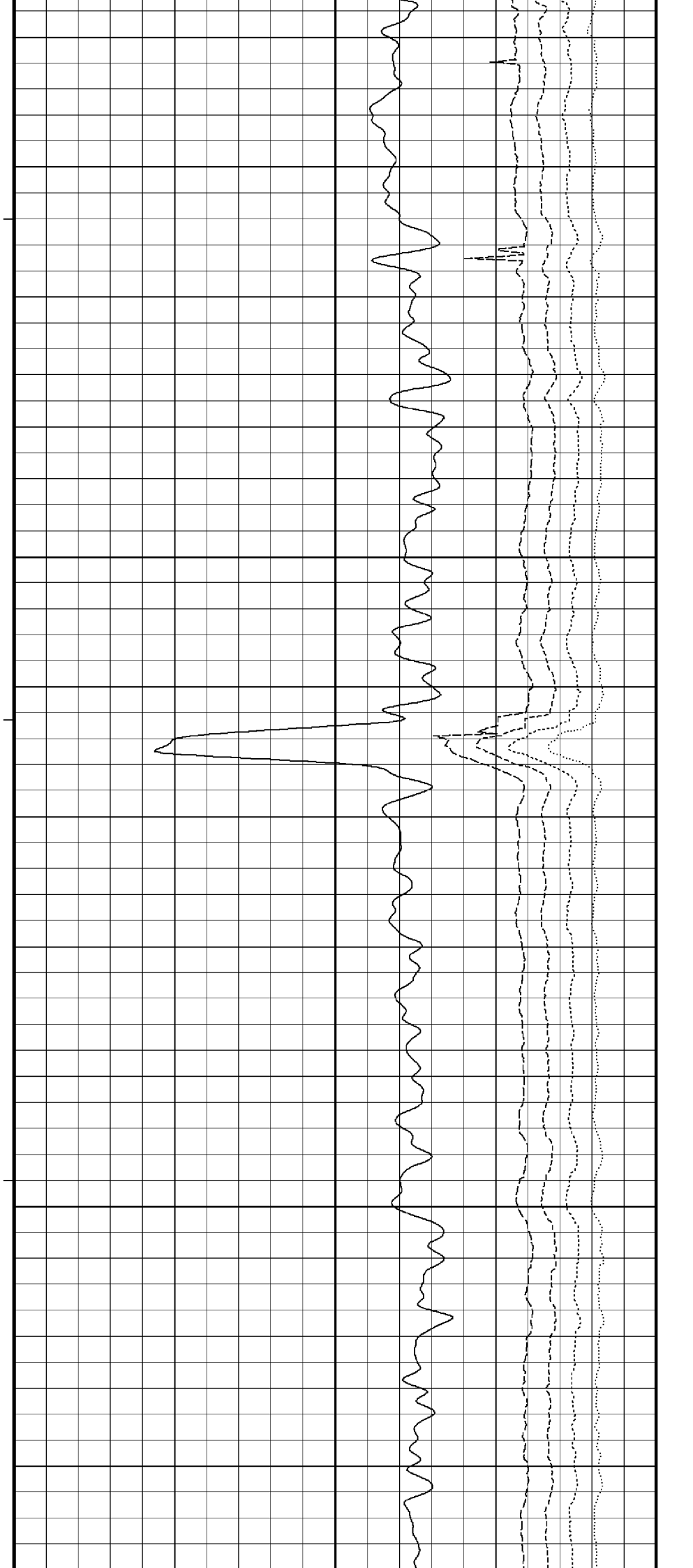
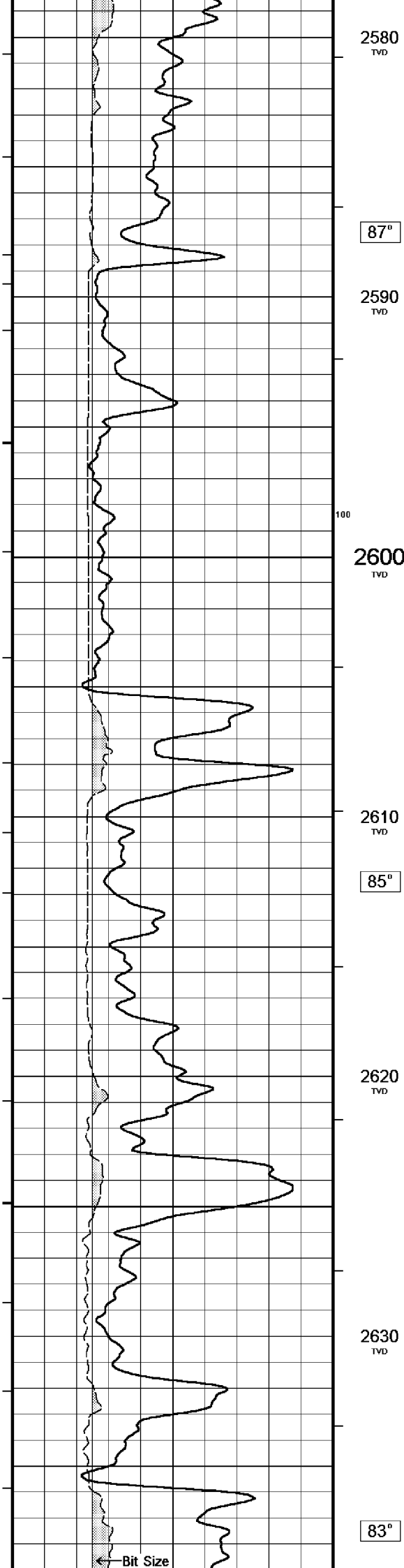


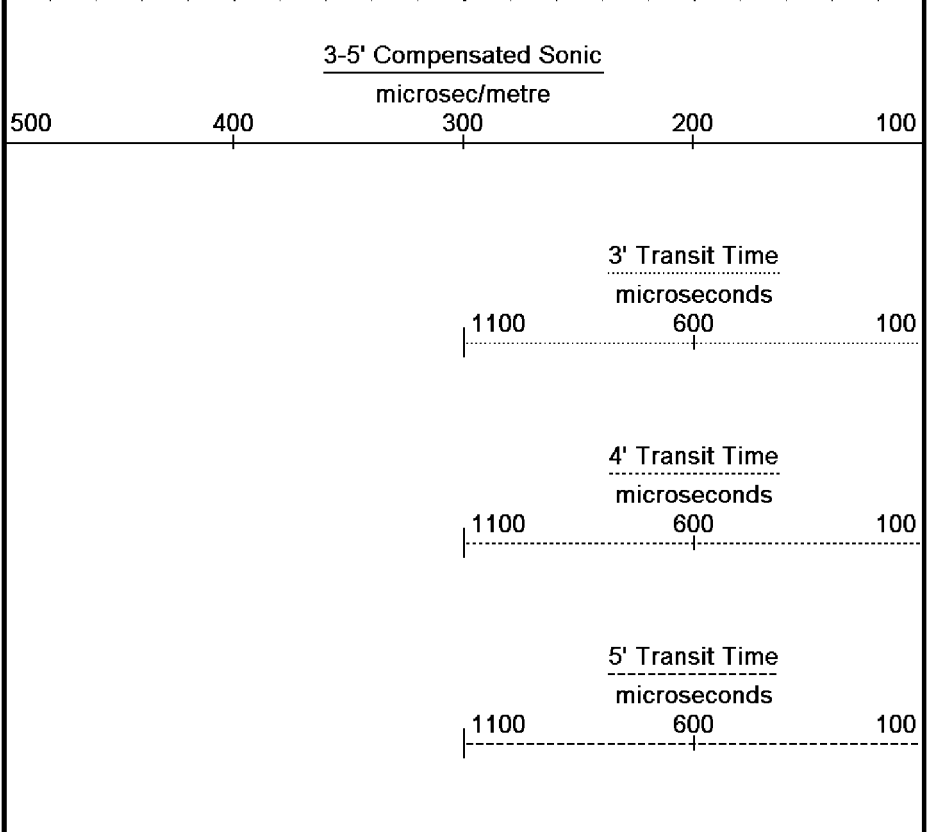
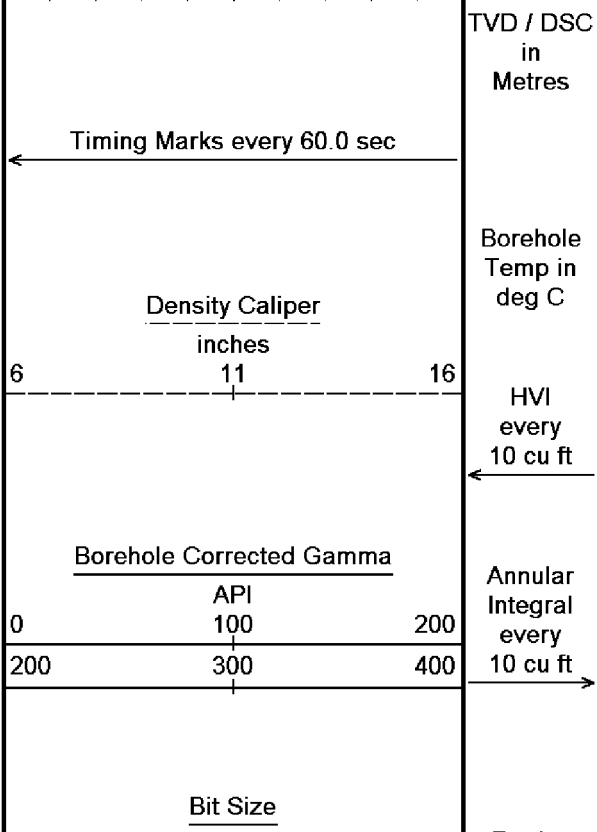
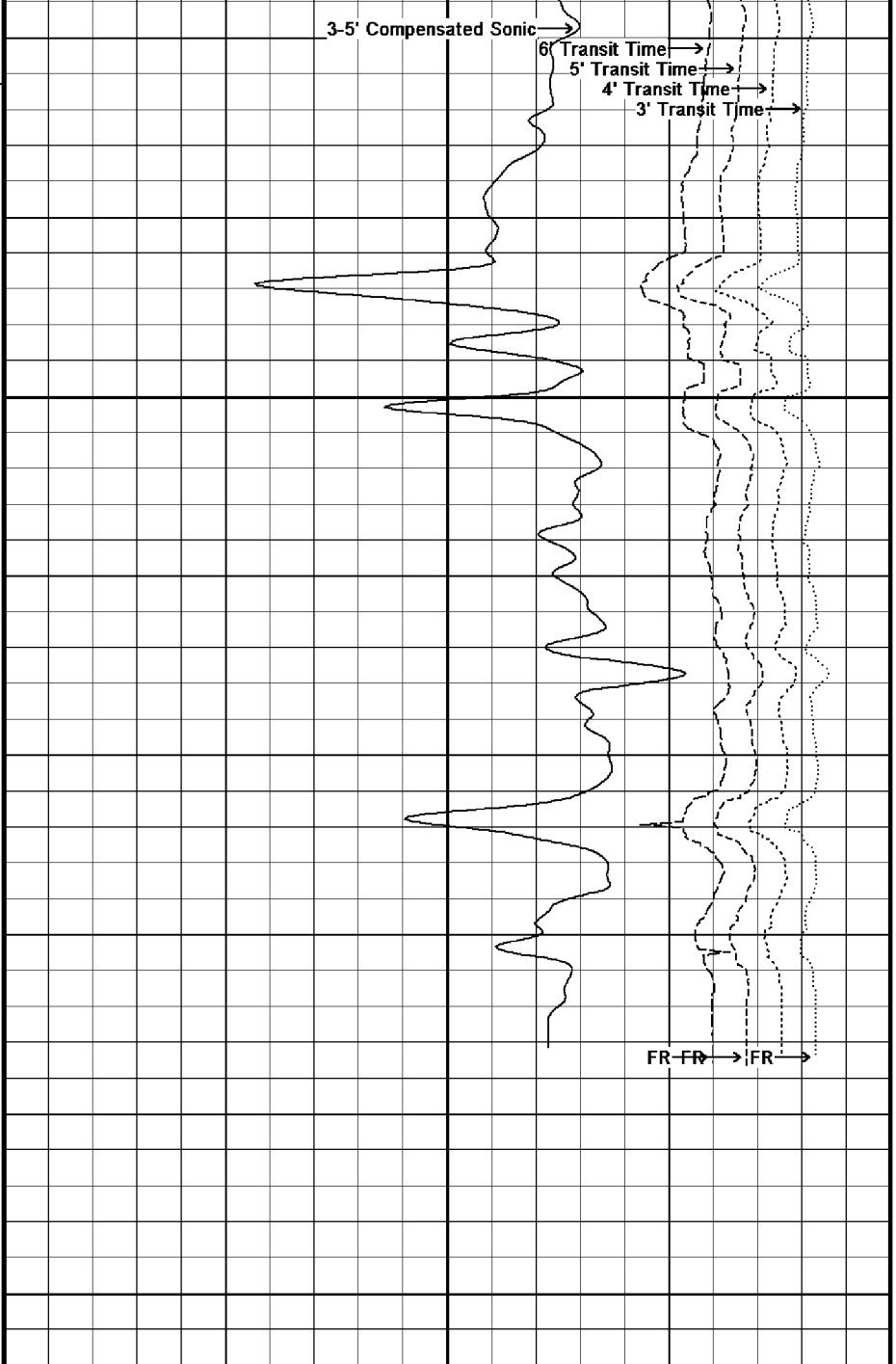
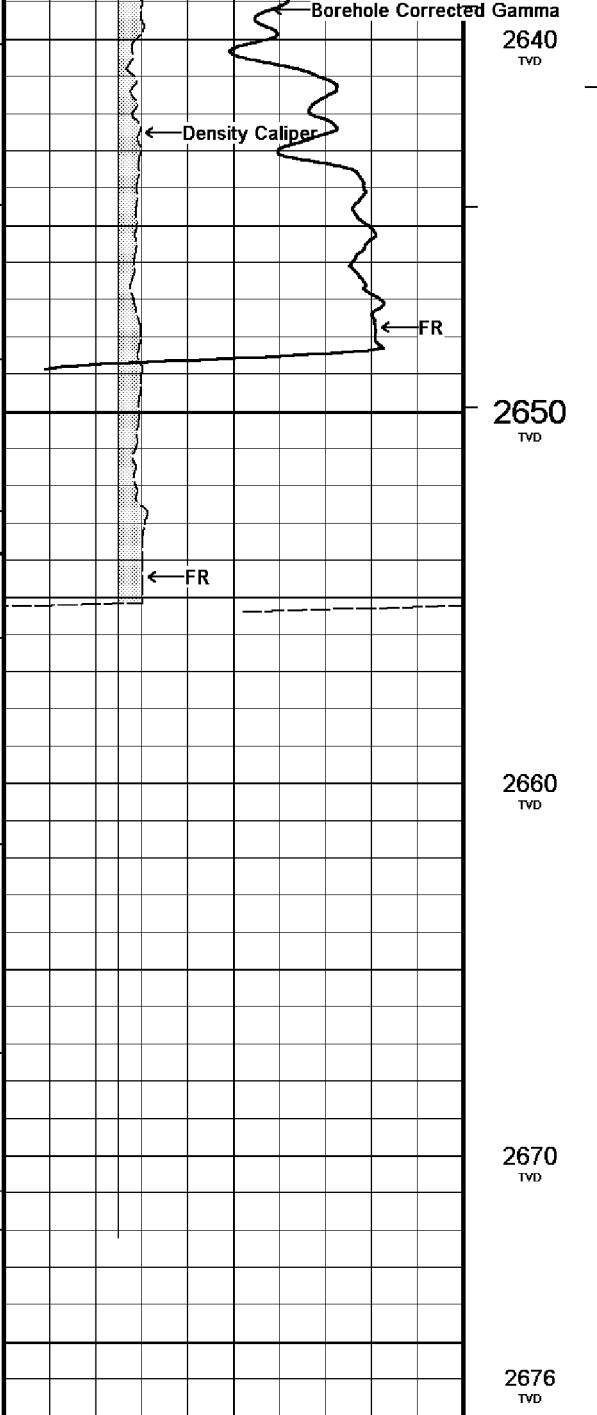












6	inches 11	16	Replay Scale 1:200	6' Transit Time microseconds 1100 600 100
Depth Based Data - Maximum Sampling Increment 10.0cm Plotted on 24-SEP-2004 13:01 Filename: C:\Marlin\MLA A24a\Final Data Presentations\...MLA A24A MAIN LOG MSS.dta Recorded on 06-MAY-2004 16:05 System Configuration Dates: Logged 09-SEP-2003: Processed 09-SEP-2003: Plotted 25-JUN-2003:				
<div> <div>↑</div> <div>MAIN LOG 1:200</div> <div>↑</div> </div>				

BEFORE SURVEY CALIBRATION				
C:\Marlin\MLA A24a\Final Data Presentations\Black & White Prints\MLA A24A MAIN LOG MSS.dta				
General Constants All 000				
General Parameters				
Mud Resistivity	0.119	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			
Gamma Calibration MCG 098				
	Measured	Calibrated (API)	Field Calibration on 3-MAY-2004 11:25	
Background	8	5		
Calibrator (Gross)	1371	914		
Calibrator (Net)	1363	909		
Gamma Constants MCG 098				
Gamma Calibrator Number	60			
Mud Density	1.00	gm/cc		
Caliper Source for Processing	Bit Size			
Tool Position	Eccentred			
Concentration of KCl	0.00	kppm		
High Resolution Temperature Calibration MCG 098				
	Measured	Calibrated(Deg C)	Field Calibration on 3-MAY-2004,11:21	
Lower	0.00	0.00		
Upper	100.00	100.00		
High Resolution Temperature Constants MCG 098				
Pre-filter Length	11			
Caliper Calibration MPD 083				
Base Calibration			Base Calibration on 20-APR-2004 12:25	
			Field Calibration on 3-MAY-2004 10:29	
Reading No	Measured	Calibrator Size (in)		
1	13792	4.01		
2	23424	5.99		
3	33363	7.98		
4	43344	9.94		
5	54608	12.01		
6	N/A	N/A		
Field Calibration				
	Measured Caliper (in)	Actual Caliper (in)		
	7.96	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:\Marlin\MLA A24a\Final Data Presentations\Black & White Prints\MLA A24A MAIN LOG MSS.dta

Compact Swivel Head Adaptor
SHA 63 Length: 0.83 m Weight: 26.5 lb

Compact Knuckle Joint
SKJ 49 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 141 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 127 Length: 0.65 m Weight: 15.4 lb

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

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

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

Compact Gamma
MCG 98 Length: 2.65 m Weight: 63.9 lb

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

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

Compact Knuckle Joint
SKJ 48 Length: 0.66 m Weight: 24.3 lb

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

Compact Inline Bowspring A
MIS 95 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

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

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

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

Compact Knuckle Joint
SKJ 44 Length: 0.66 m Weight: 24.3 lb

Compact Inline Standoff B
MIS 128 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 135 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 31 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 140 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 73 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: 0.28 m Weight: 6.6 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

4.60 m DT35 - 3-5' Compensated Sonic

Tool Zero (0.32m from bottom)

All measurements relative to tool zero.

Total Length: 53.18 m Weight: 1294.1 lb



COMPANY	ESSO AUSTRALIA PTY. LTD.
WELL	MARLIN A24A
FIELD	TURRUM
PROVINCE/COUNTY	BASS STRAIT
COUNTRY/STATE	AUSTRALIA

Elevation Kelly Bushing		metres	First Reading	2672.50	metres
Elevation Drill Floor	27.91	metres	Depth Driller	2676.90	metres
Elevation Ground Level	-59.00	metres	Depth Logger	2672.90	metres



COMPENSATED SONIC
1:200 TVD