



PRECISION

COMPENSATED SONIC

Compact

1:200 TVD

COMPANY			ESSO AUSTRALIA PTY.LTD		
WELL			WKF W27A		
FIELD			KINGFISH GDA94		
PROVINCE/COUNTY			BASS STRAIT, VICTORIA		
COUNTRY/STATE			AUSTRALIA		
LOCATION			S 38 35 34.851, E 148 6 20.022		
			N 5727806.021 m, E 596279.875 m		
			FIELD PRINT		
LSD	SEC	TWP	RGE	Other Services	
				COMPENSATED NEUTRON	
API Number				PHOTO DENSITY	
Permit Number				DUAL LATEROLOG	
Permanent Datum MSL				, Elevation 0.0 metres	
Log Measured From DF @ 33.43m				above Permanent Datum	
Drilling Measured From DF					
Date	26-JUL-2006			Elevations:	
				KB	metres
				DF	33.43 metres
				GL	-76.13 metres
Run Number	ONE				
Depth Driller	2366.00			metres	
Depth Logger	2366.00			metres	
First Reading	2359.20			metres	
Last Reading	803.60			metres	
Casing Driller	803.60			metres	
Casing Logger	803.60			metres	
Bit Size	8.50			inches	
Hole Fluid Type	KCL/PHPA				
Density / Viscosity	1.16 g/cc		26.00 CP		
PH / Fluid Loss	9.50		2.80 ml/30Min		
Sample Source	FLOWLINE				
Rm @ Measured Temp	0.105 @ 25.0			ohm-m	
Rmf @ Measured Temp	0.08 @ 25.0			ohm-m	
Rmc @ Measured Temp	0.081 @ 25.0			ohm-m	
Source Rmf / Rmc	MEAS		MEAS		
Rm @ BHT	0.046 @ 87.1			ohm-m	
Time Since Circulation	28 HOURS				
Max Recorded Temp	93.80			deg C	
Equipment Name	CWL				
Equipment / Base	1	SALE			
Recorded By	R L TENCH, B J R MOSS				
Witnessed By	T LOBO				
LAST CIRC.	12:25 24/07			Last Line	

BOREHOLE RECORD				
Bit Size inches		Depth From metres		Depth To metres
8.500		895.00		3095.00
CASING RECORD				
Type	Size inches	Depth From metres	Shoe Depth metres	Weight pounds/ft
K-55	10.750	0.00	895.00	40.50

REMARKS
RIG: NABORS 453
5" SHUTTLE/MEMORY COMPACT OPERATION. CREW: R TENCH , B MOSS , J.BLESSING, M KOLCZE.
FIELD FINAL LOGS TO BE CORRELATED TO ANADRILL GAMMA LOG.
MAX. TEMPERATURE: 93.8 DEG C AT 3041m MD MAX. INCLINATION: 46.10 DEG AT 3095 m MD MAX. DOGLEG SEVERITY: 5.03 DEG/30m AT 993.08 m MD DEPLOYMENT ANGLE: 46.10 DEG
HVOL: 3285 FT^3 AVOL: 1382 FT^3
LOGGING SPEED 6M/MIN FROM TD TO 2791.52 M MD LOGGING SPEED 12 M/MIN FROM 2791.52 TO 1297.42 M MD LOGGING SPEED 6 M/MIN FROM 1297.42 TO 1125.7 M MD LOGGING SPEED 12 M/MIN FROM 1125.7 TO 866.87 M MD
BRIDGED OFF AT 2364M MD, REQUIRED 3BBLs FLOW TO PASS BRIDGE.

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.

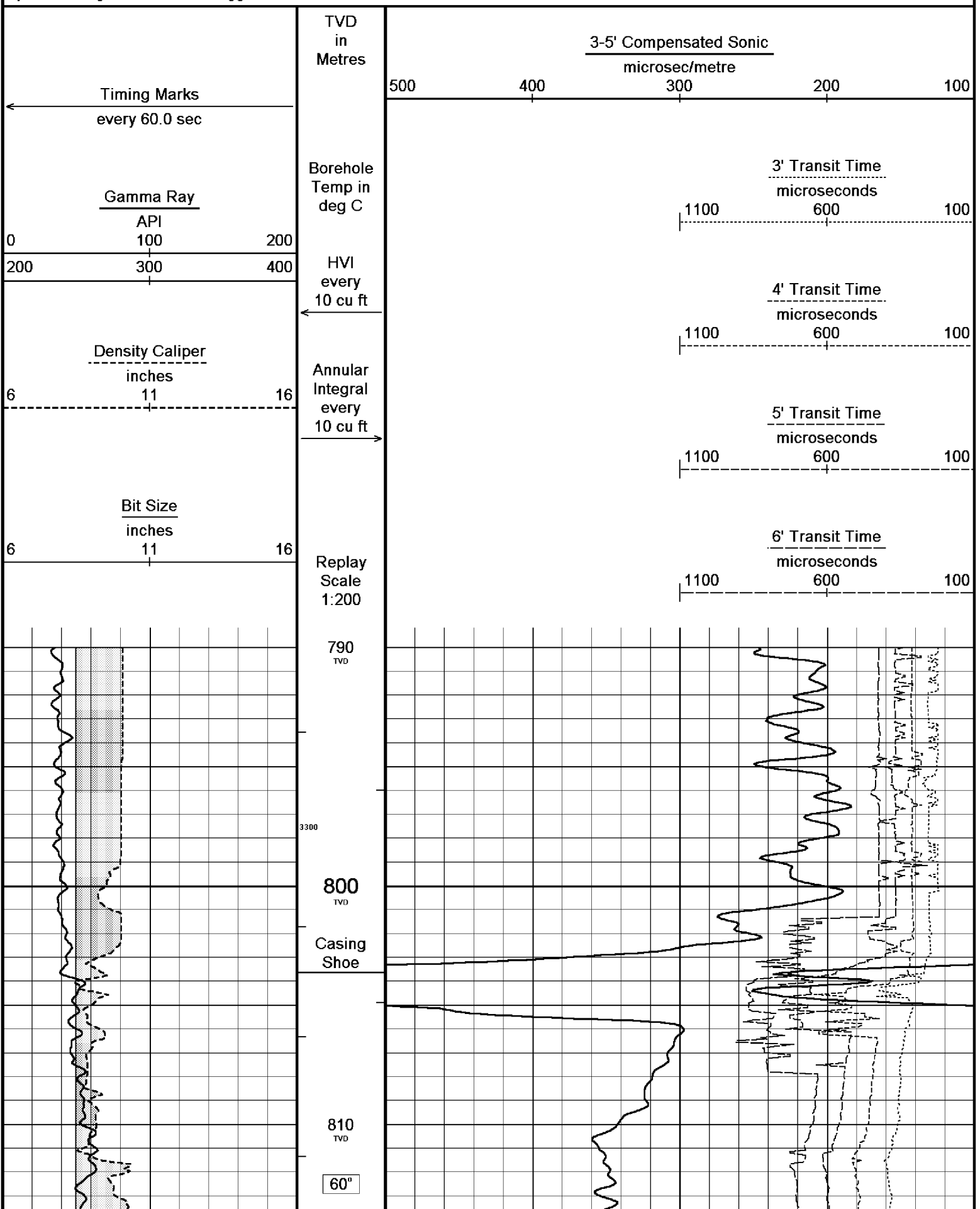
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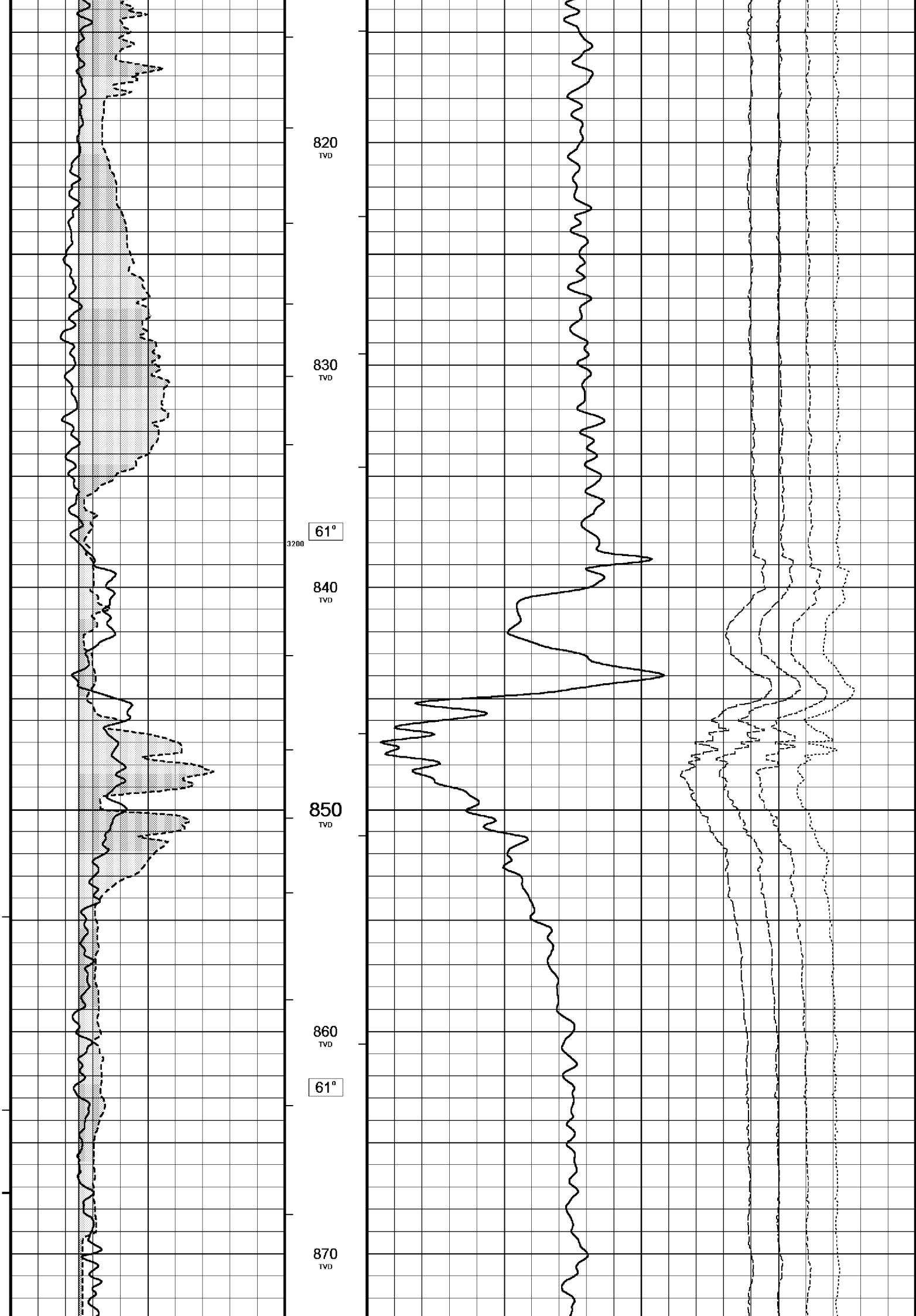
MAIN LOG 1:200

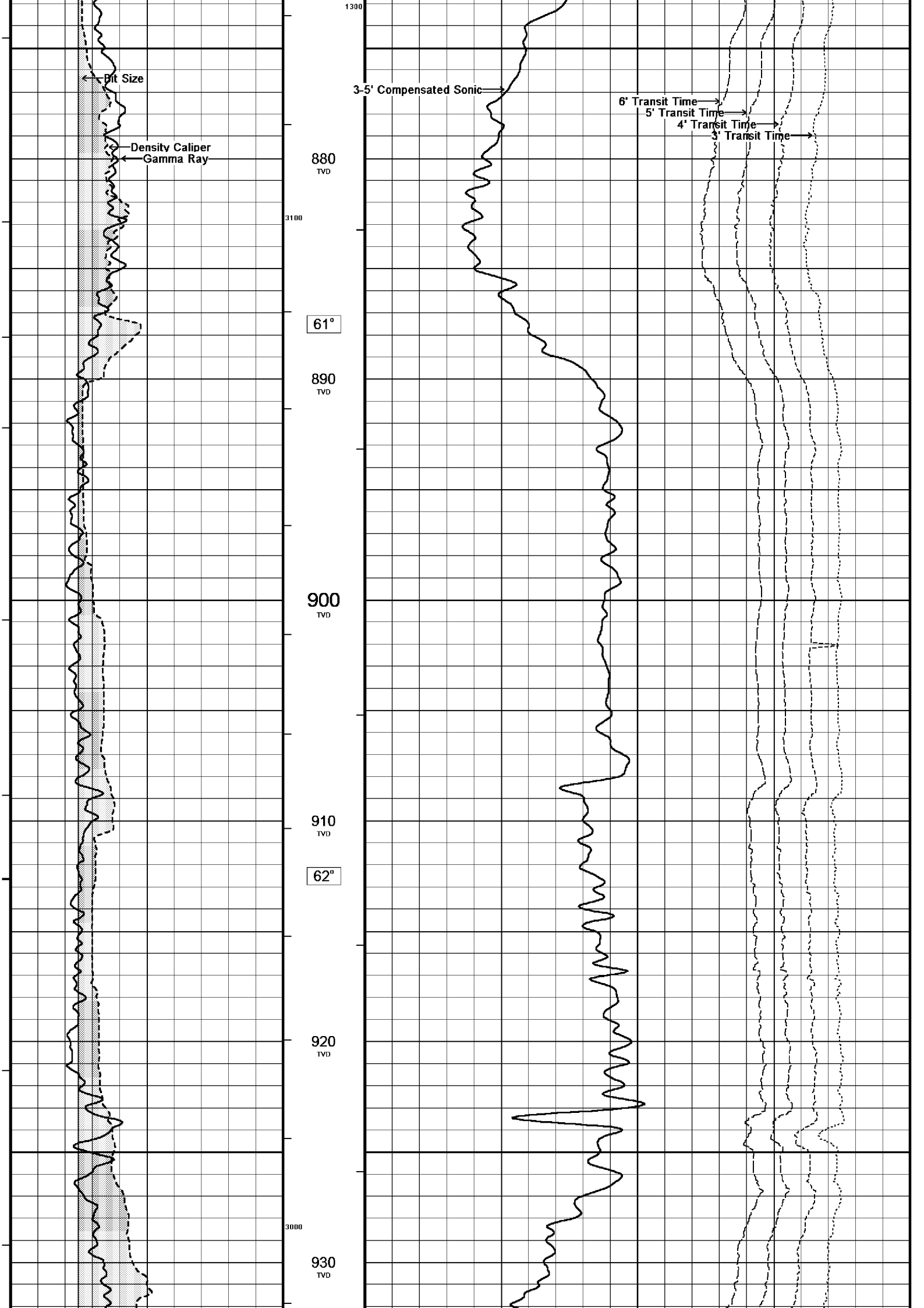
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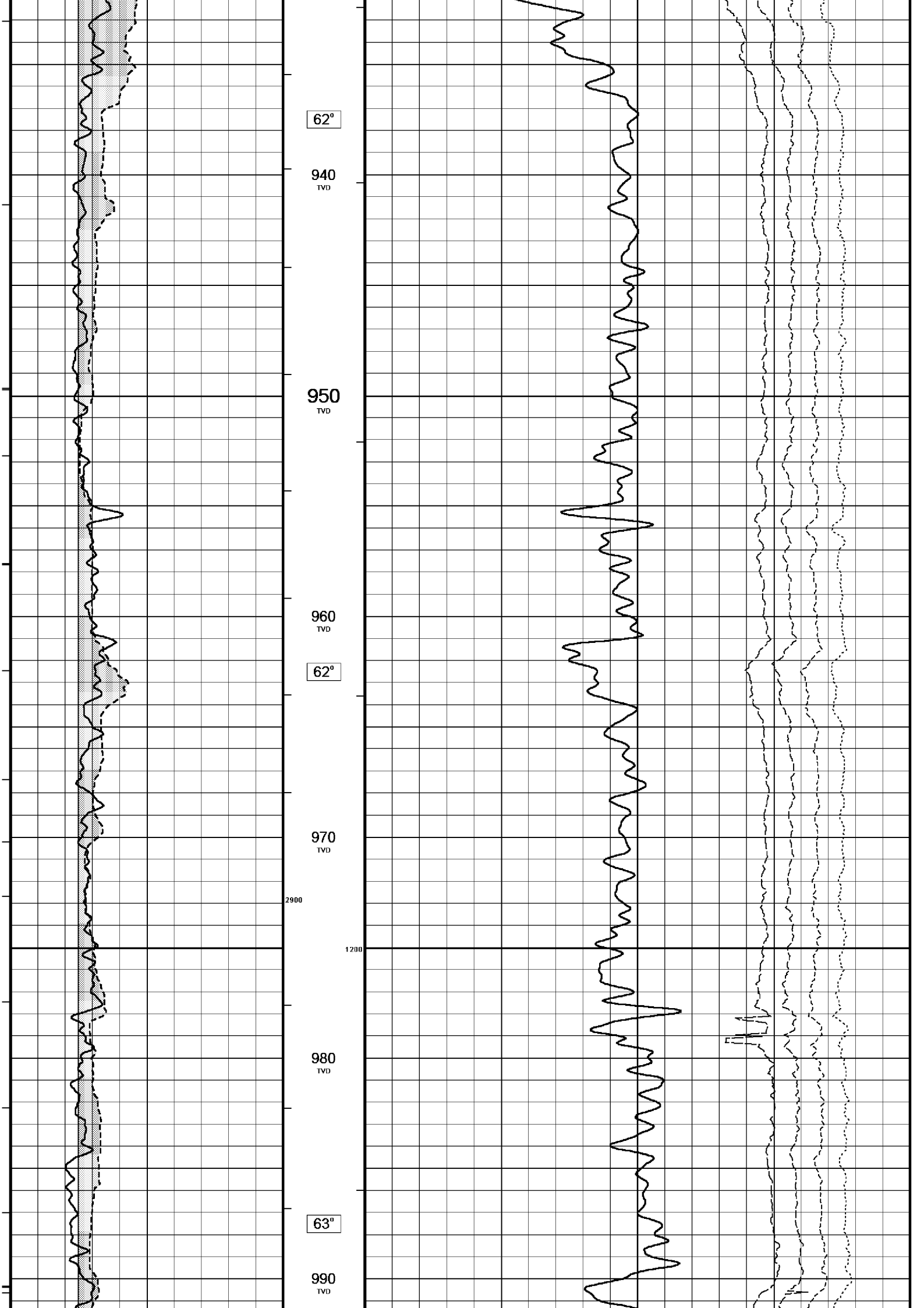
Depth Based Data - Maximum Sampling Increment 10.0cm
Filename: C:\logs\WKF_W27A\FIELD_DATA\WKF_W27A_MAIN_LOG_FULL.dta
System Configuration Dates: Logged : Plotted 17-JUN-2004:

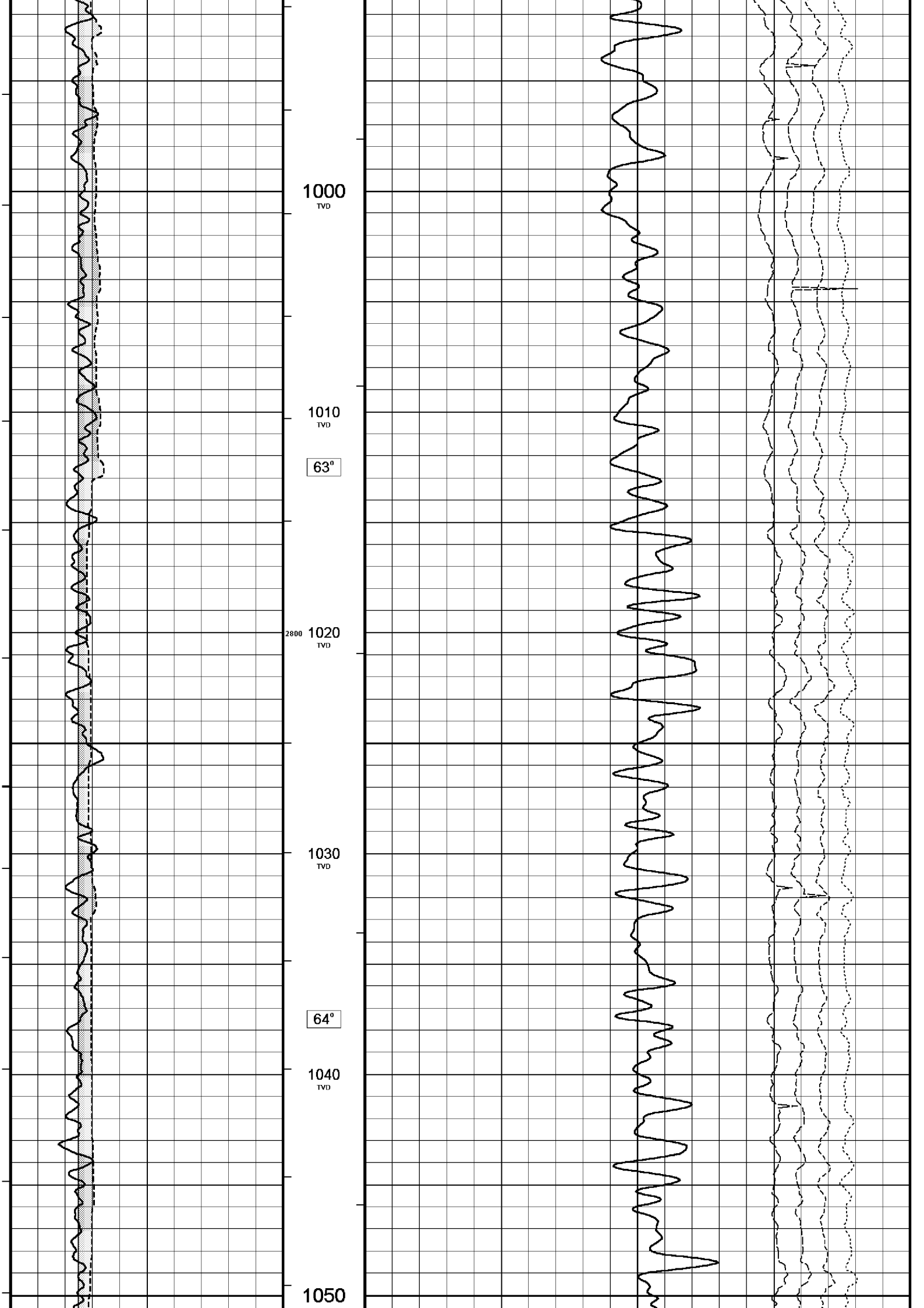
Plotted on 26-JUL-2006 14:05
Recorded on 26-JUL-2006 03:12

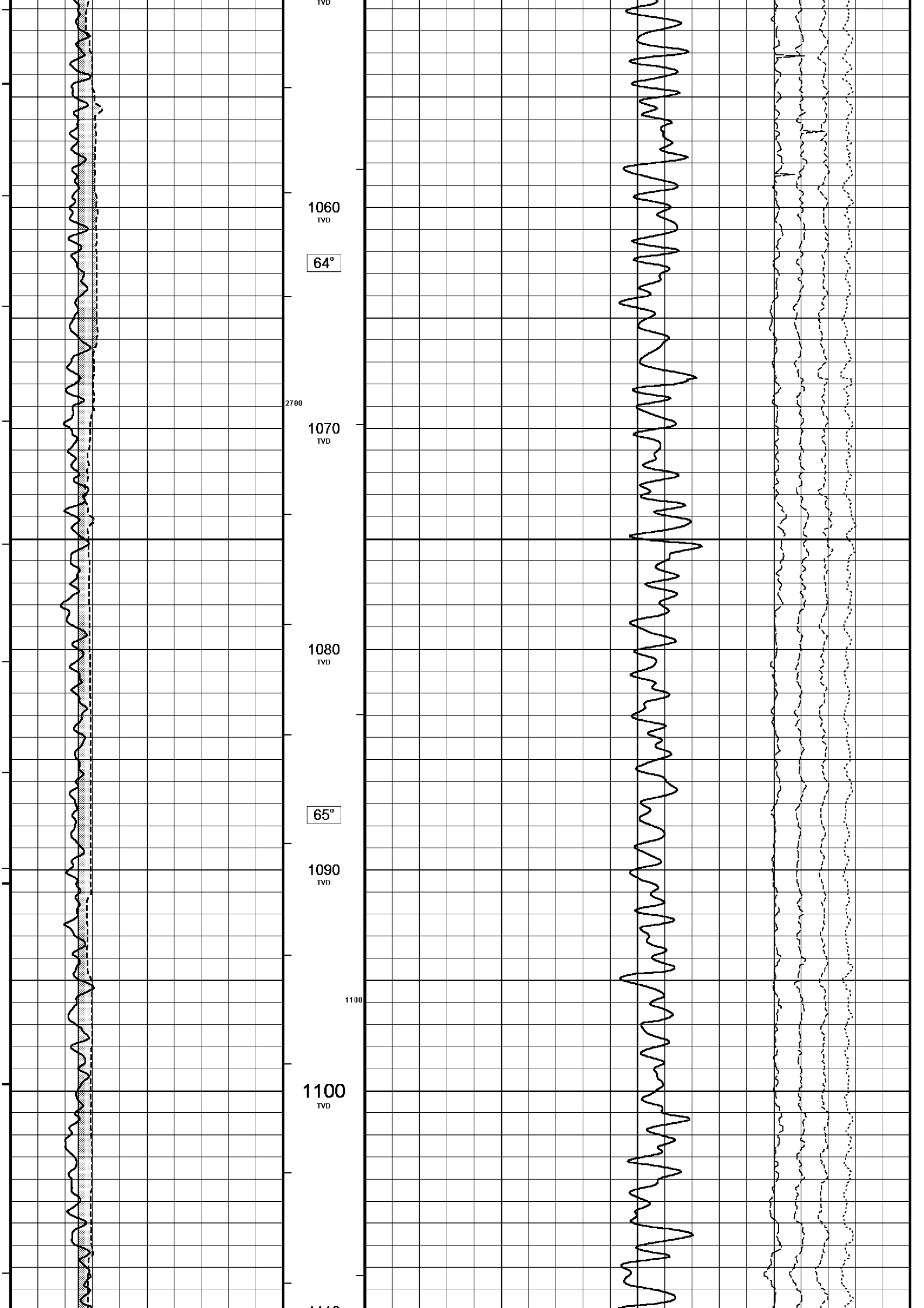


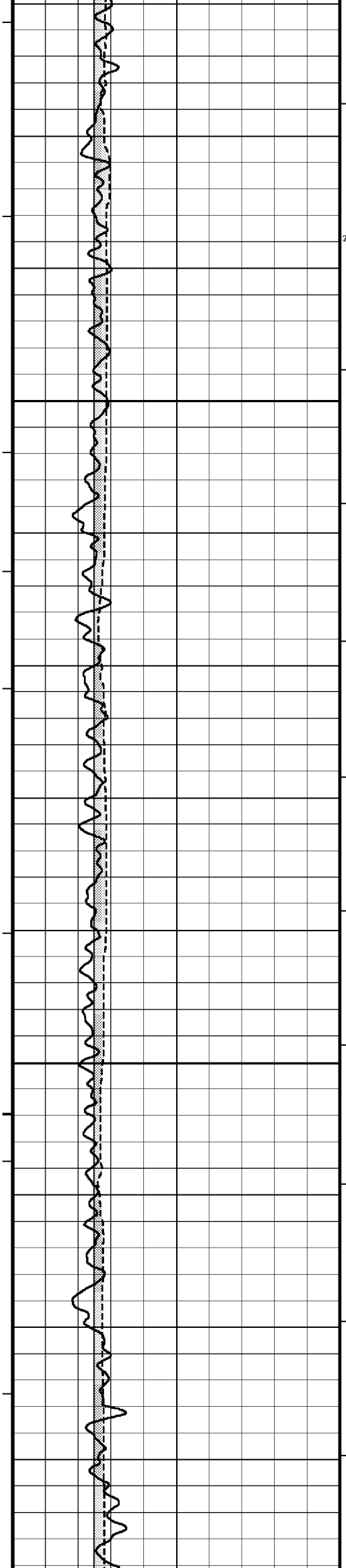












1110
TVD

65°

2600

1120
TVD

1130
TVD

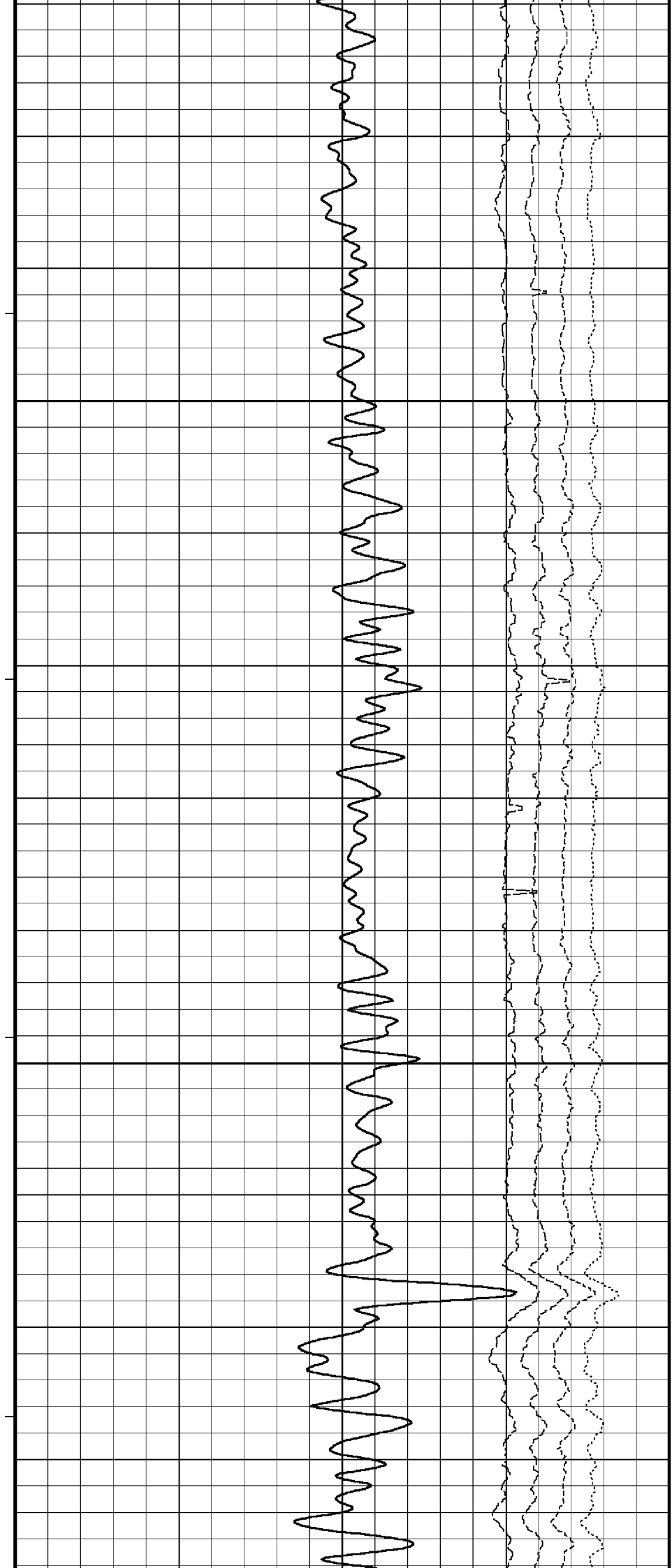
66°

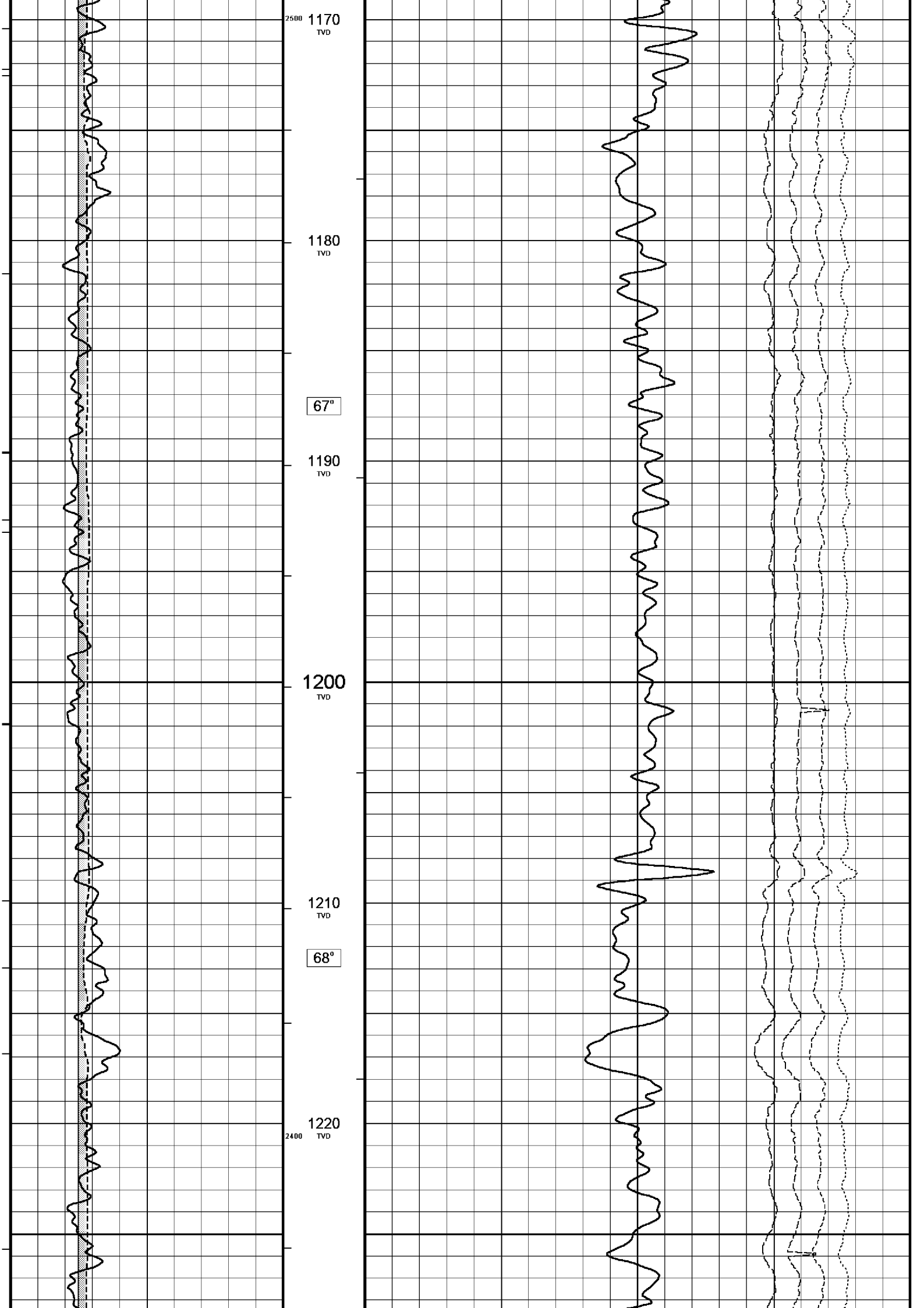
1140
TVD

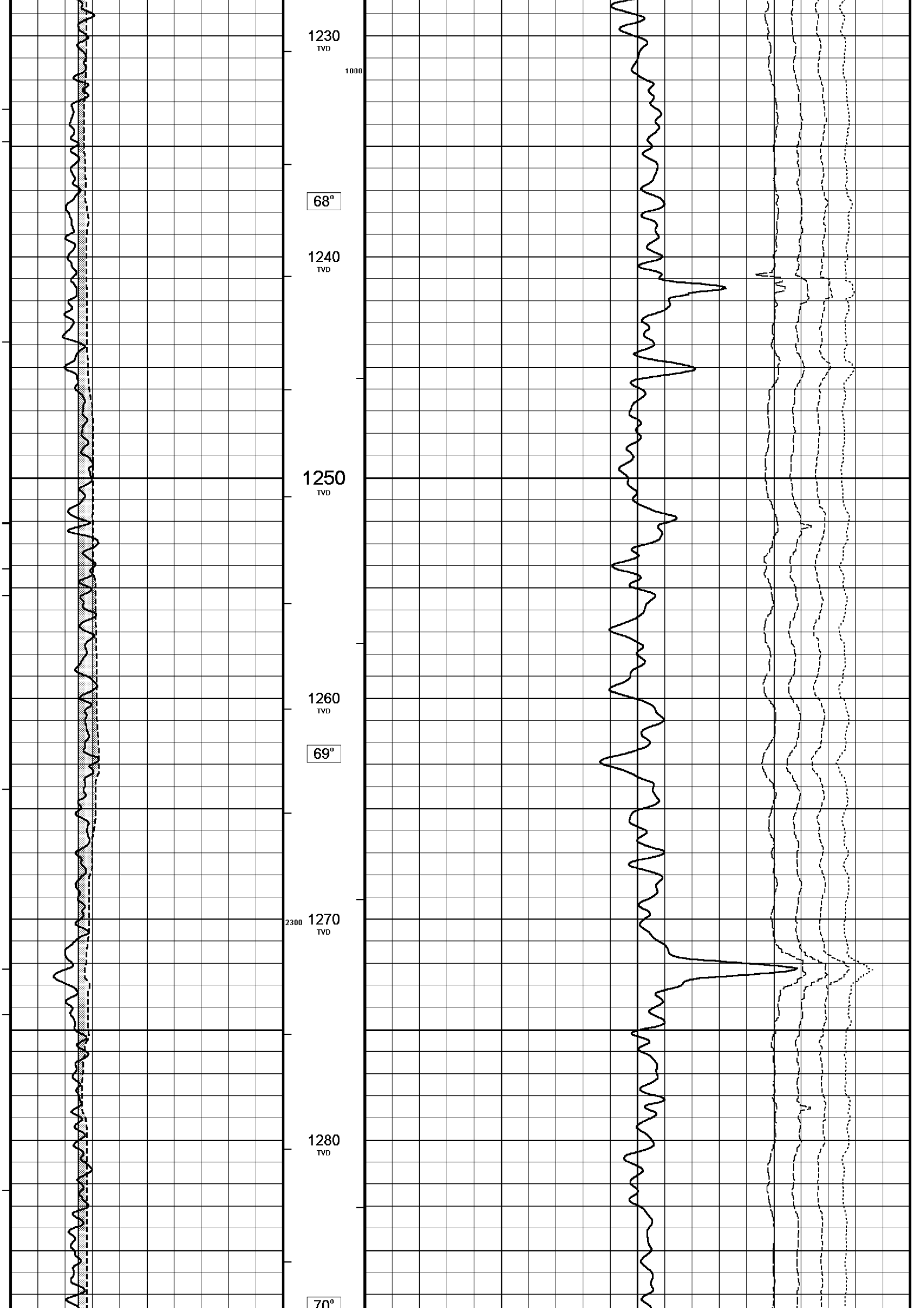
1150
TVD

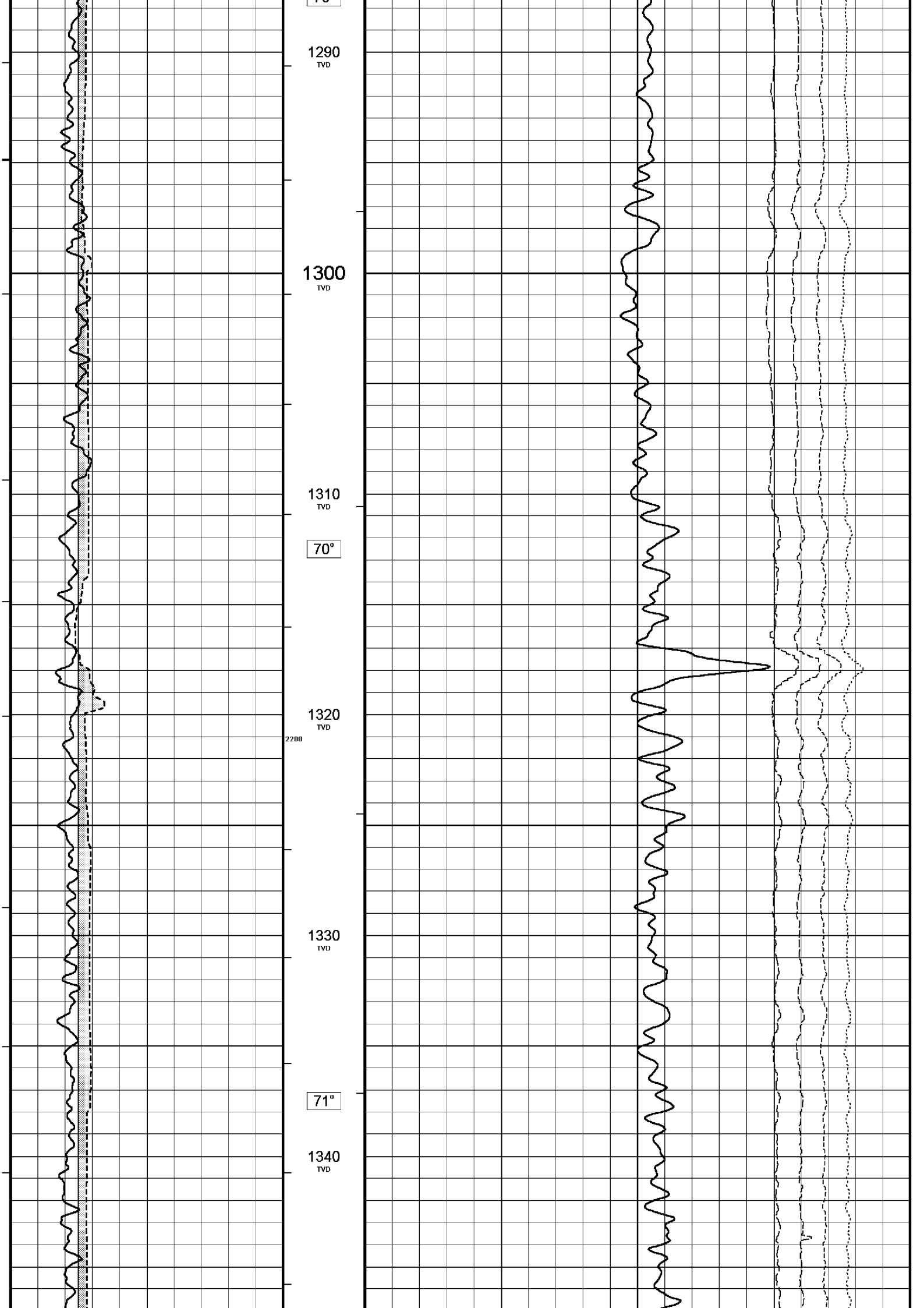
1160
TVD

66°

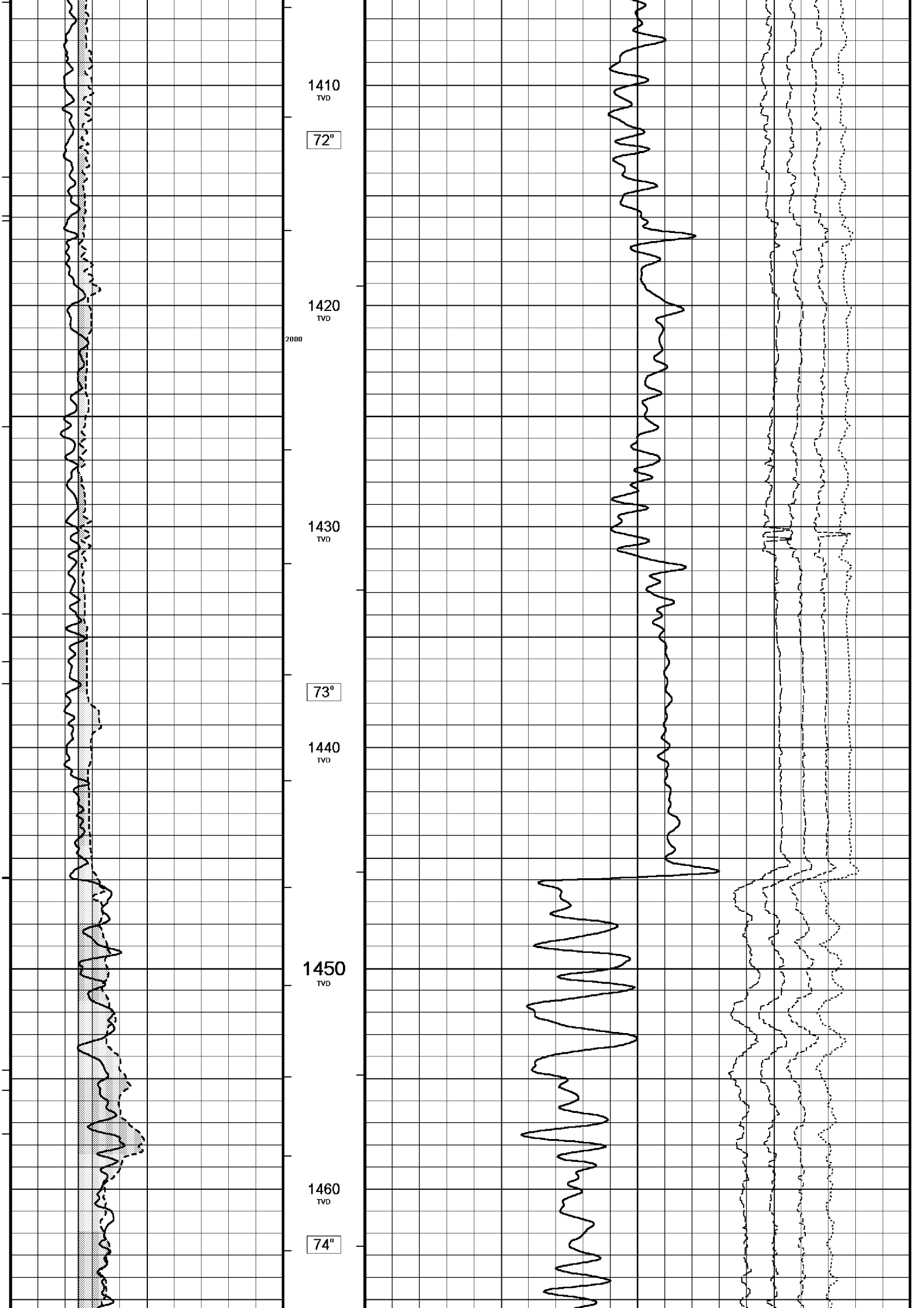


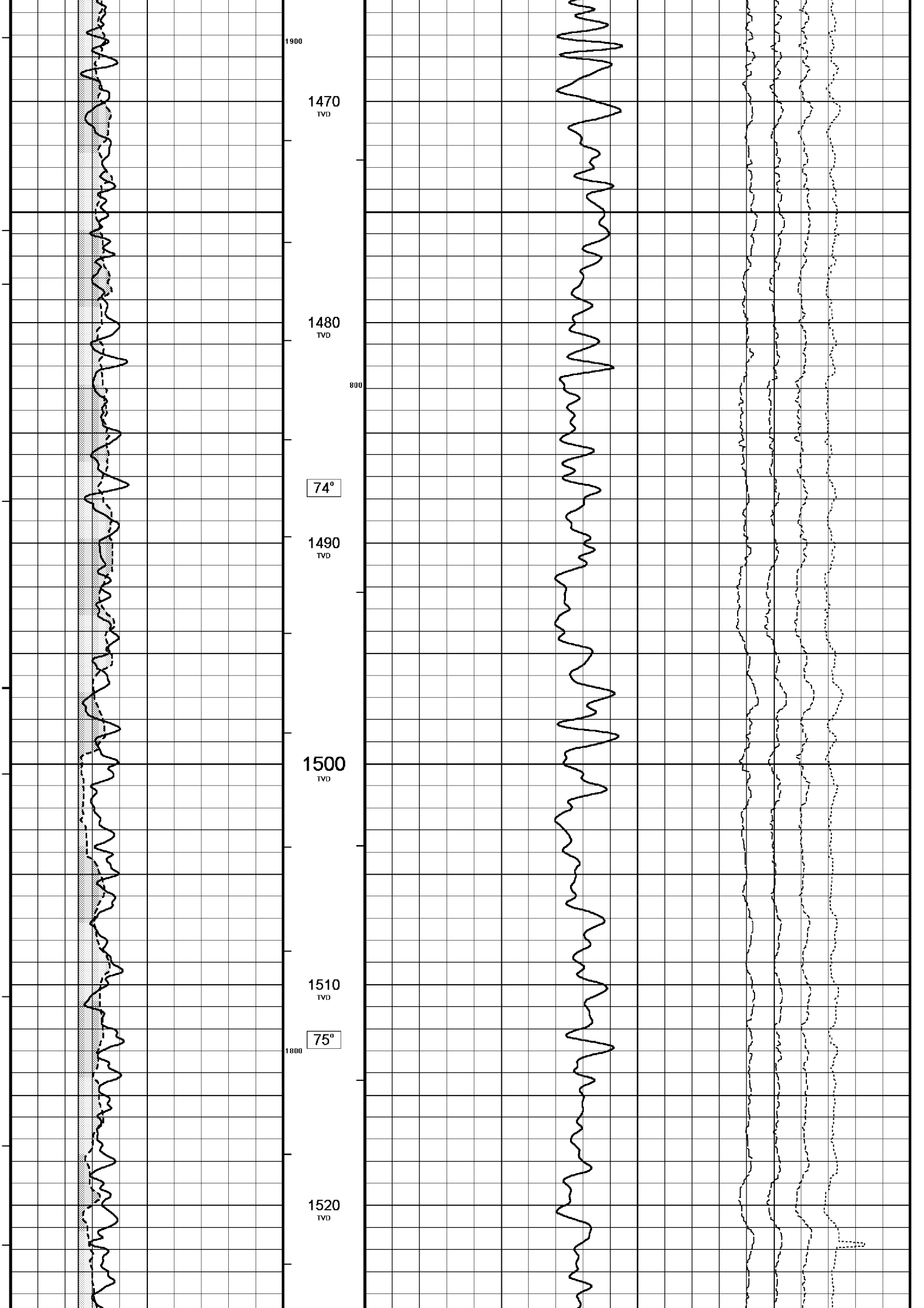


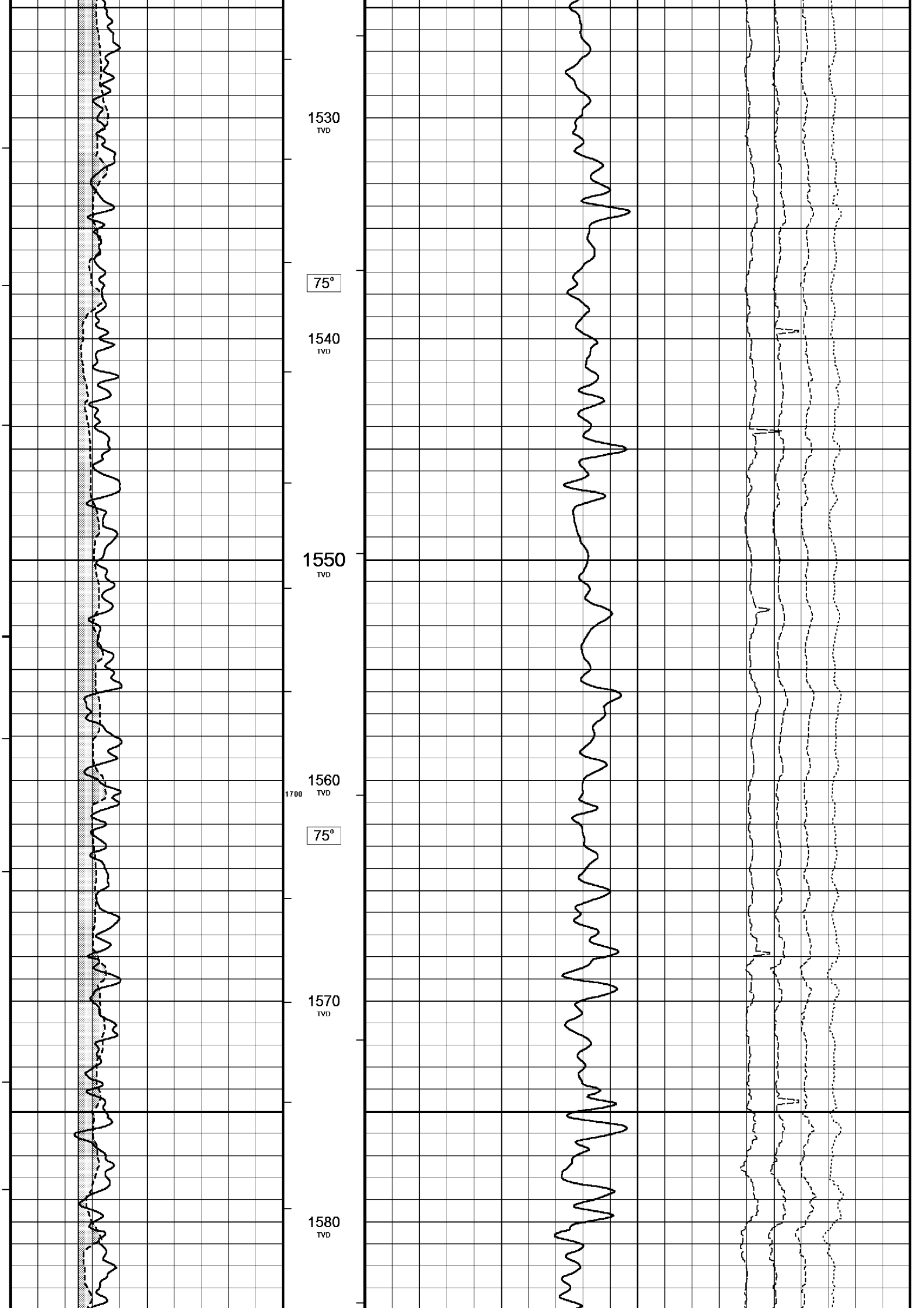


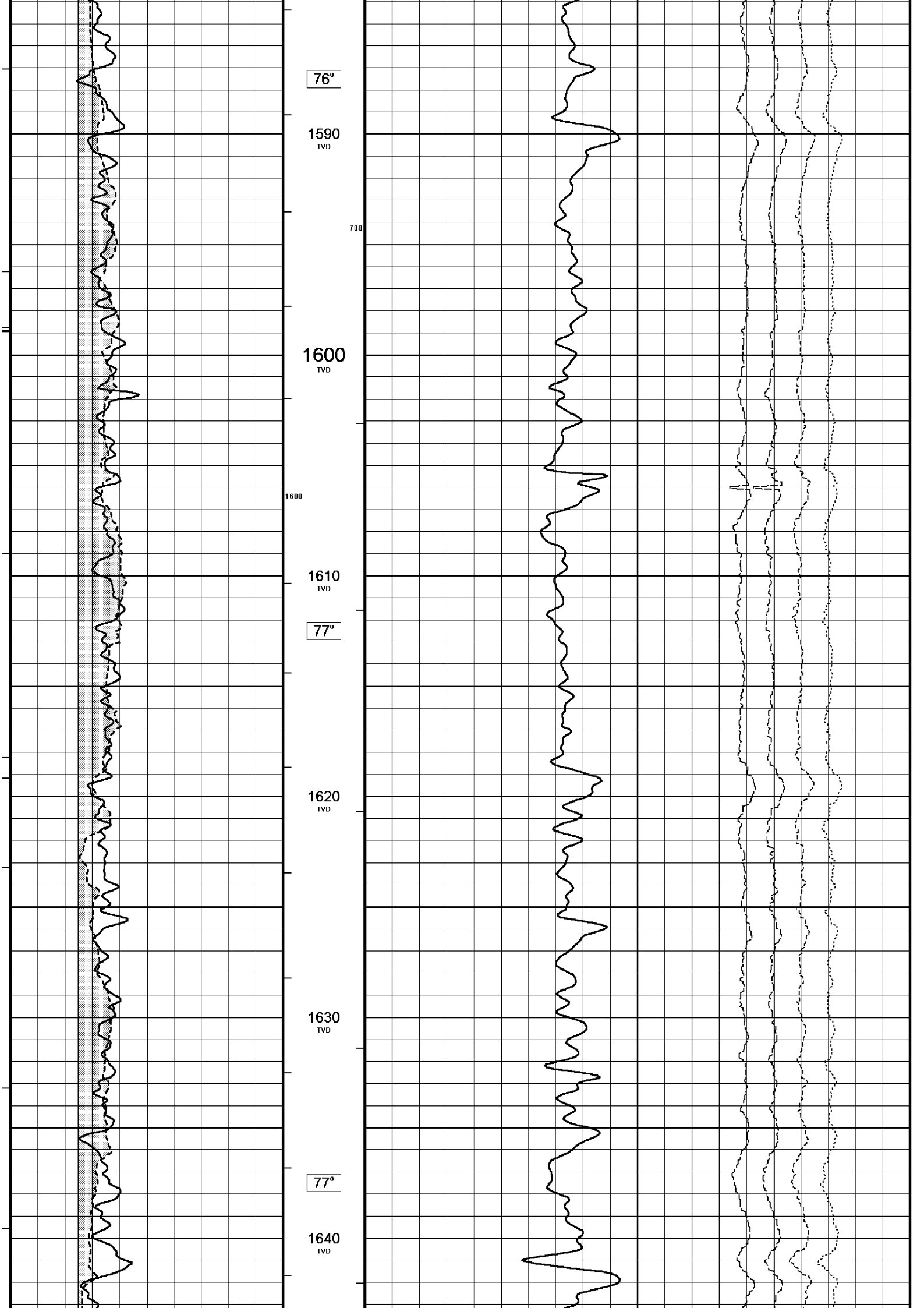


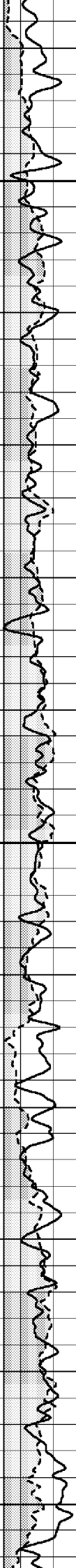












1650
TVD

1500

1660
TVD

77°

1670
TVD

1680
TVD

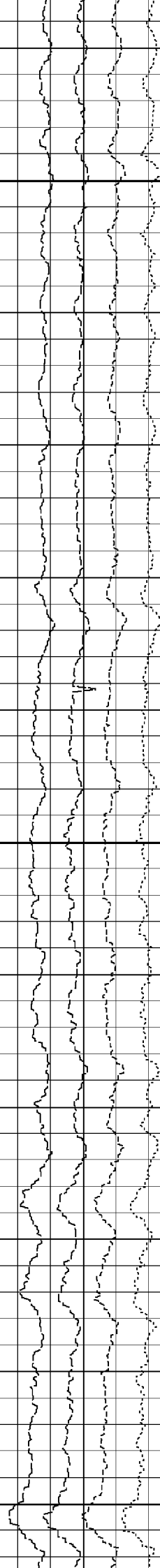
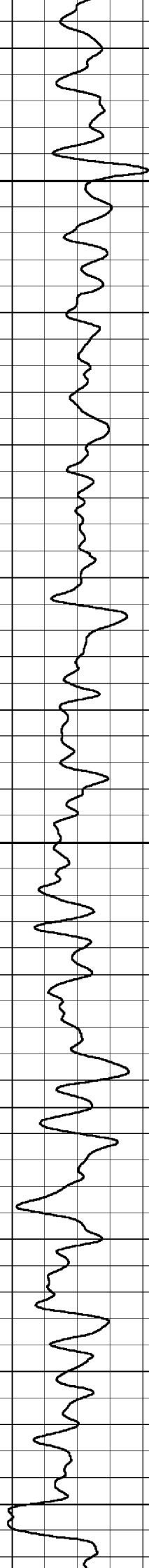
78°

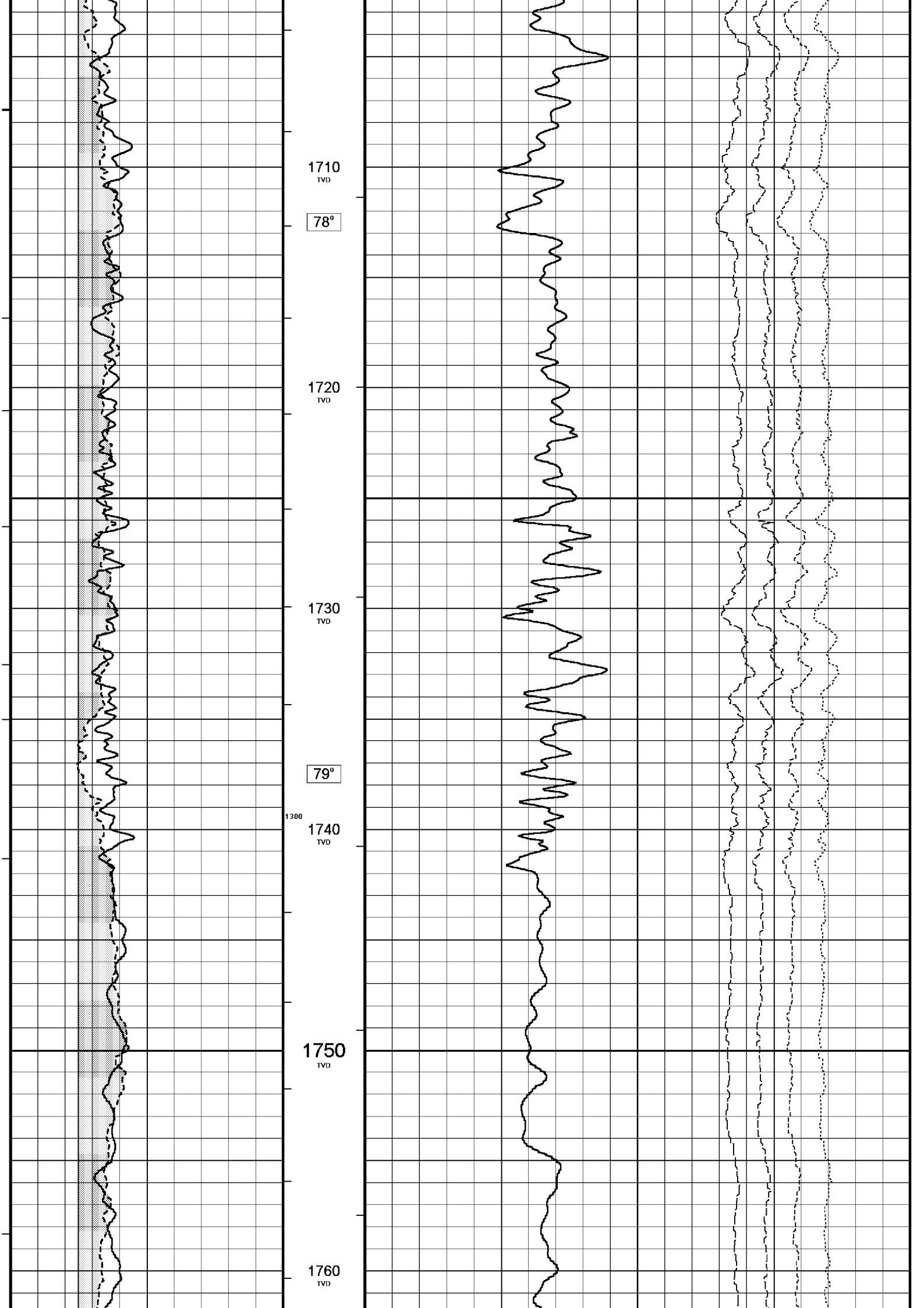
1690
TVD

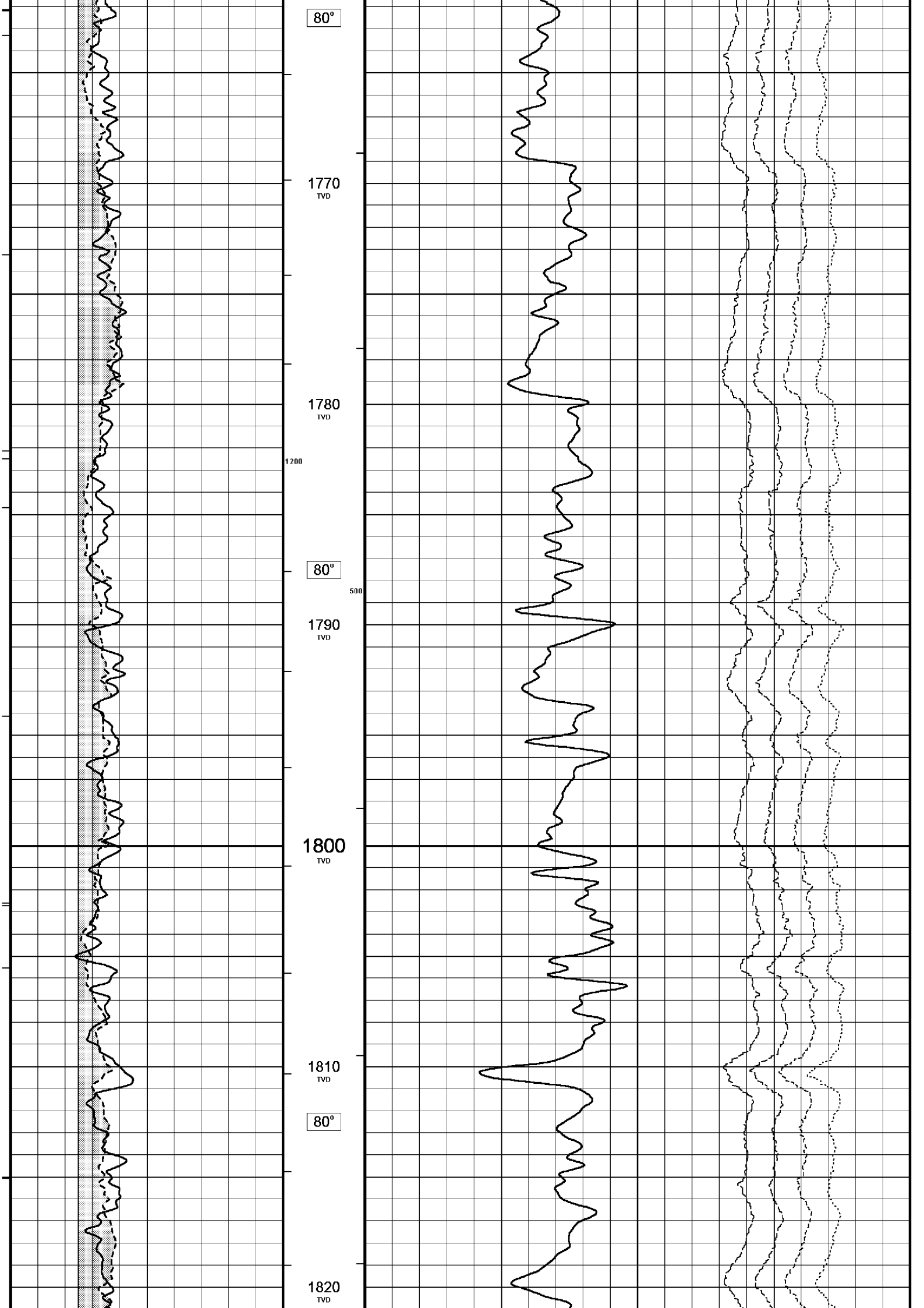
600

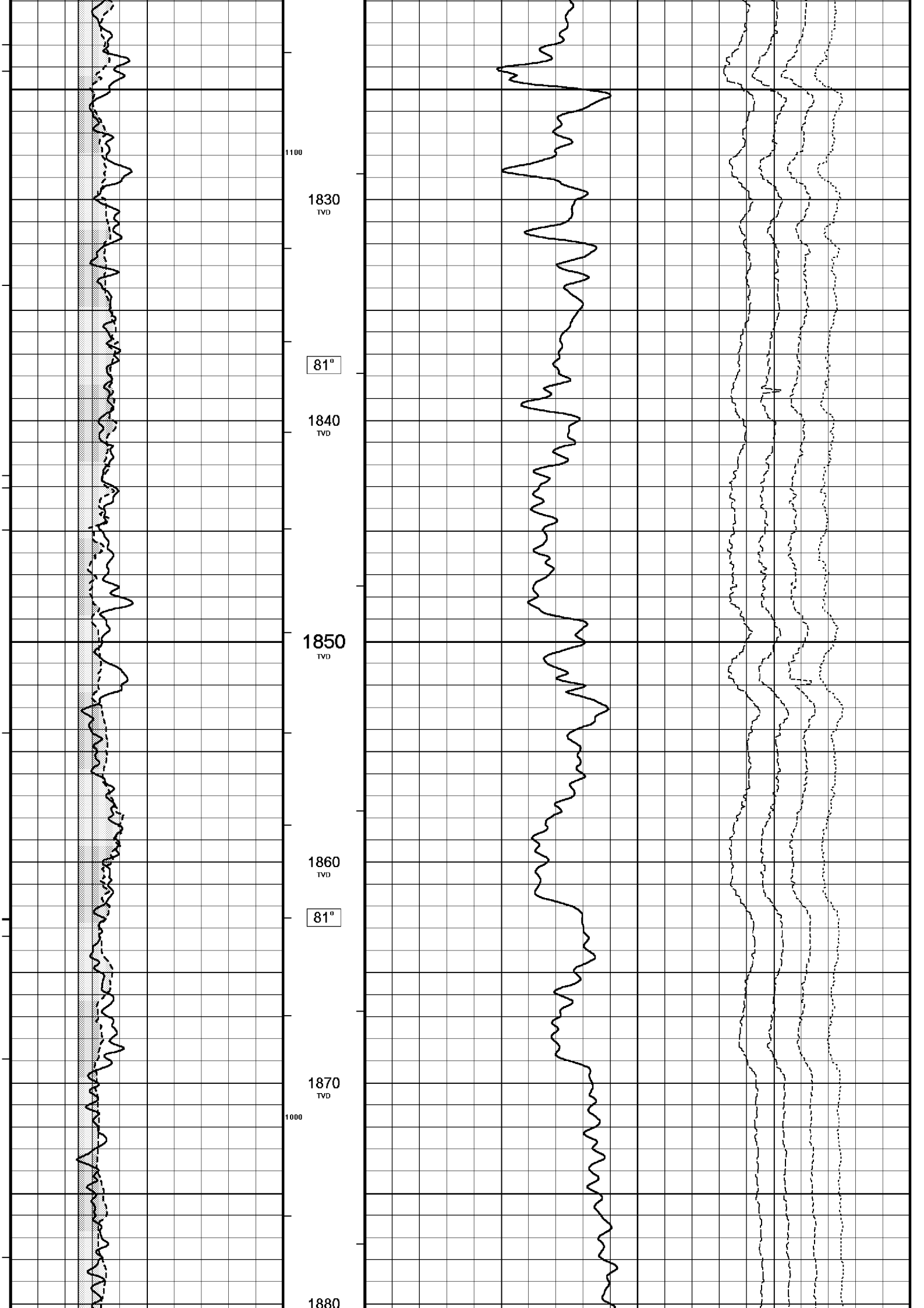
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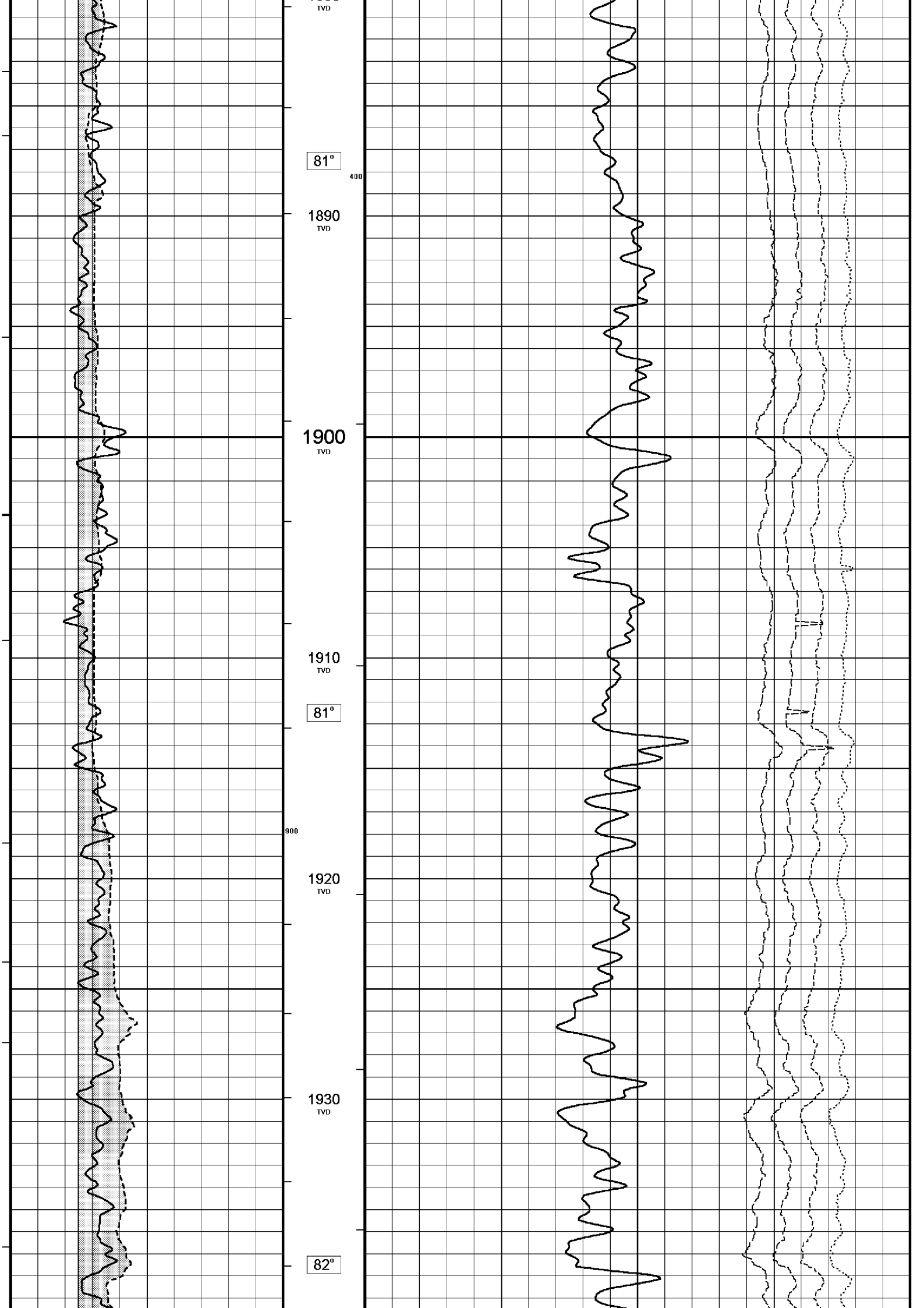
1700
TVD

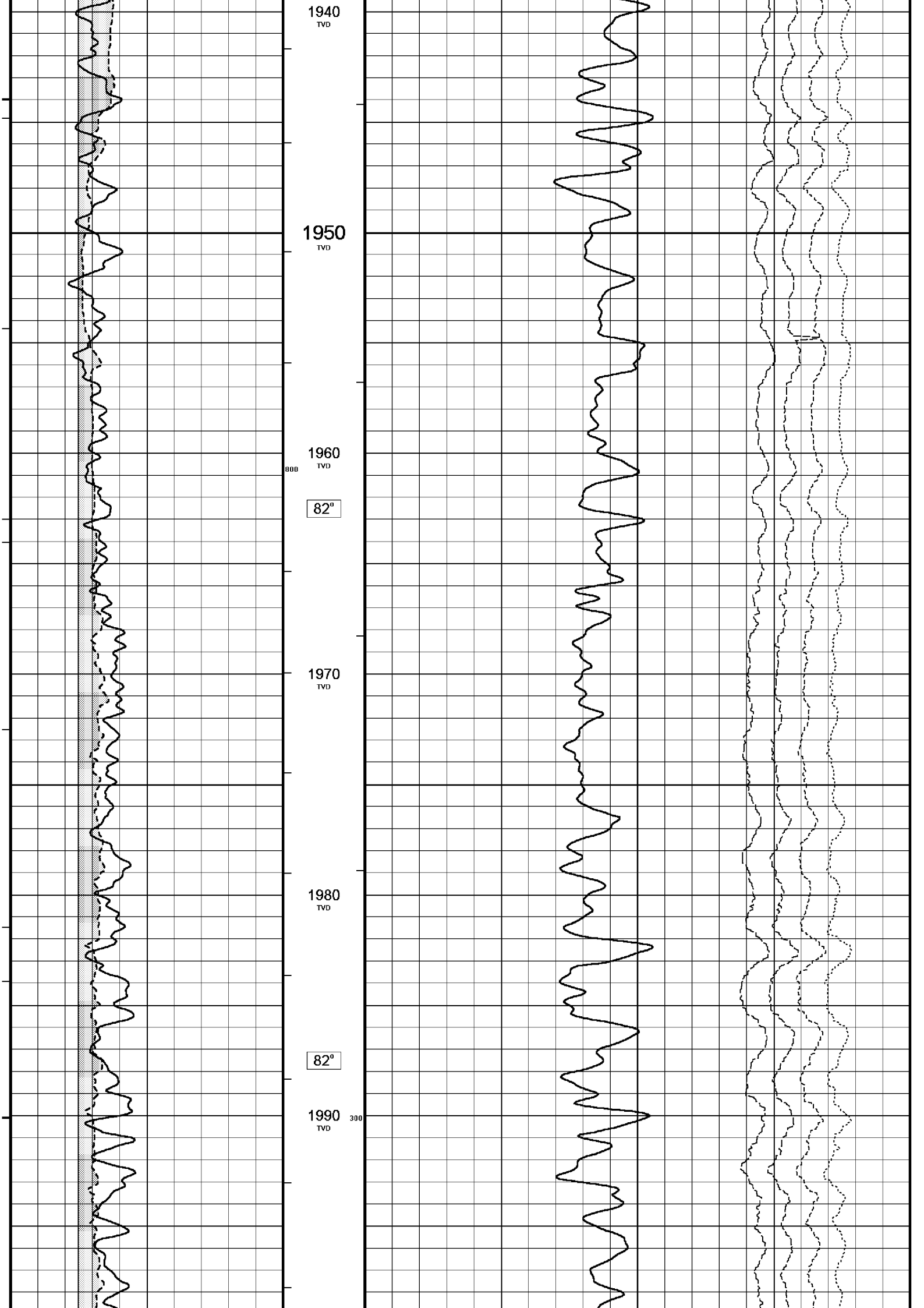


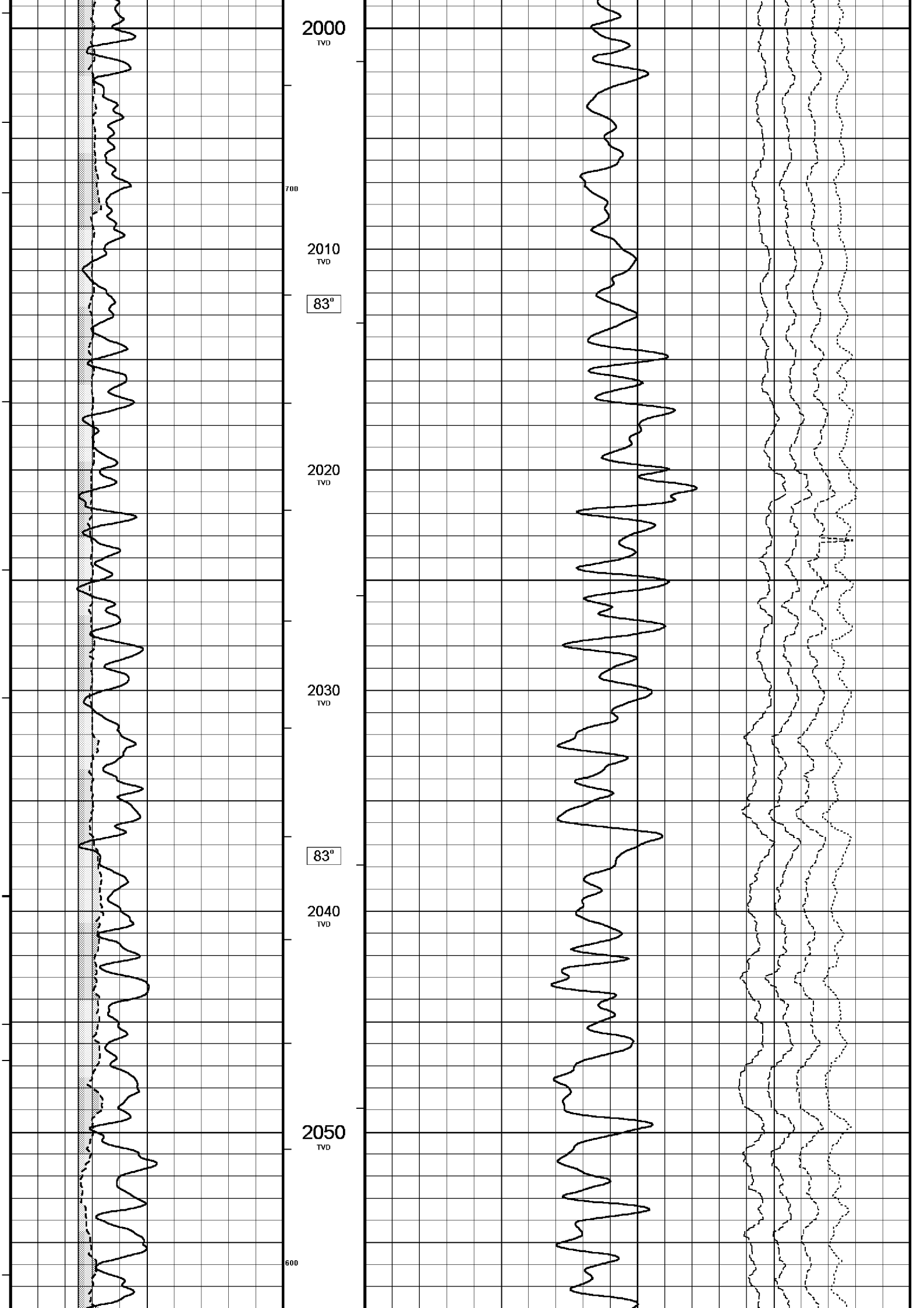


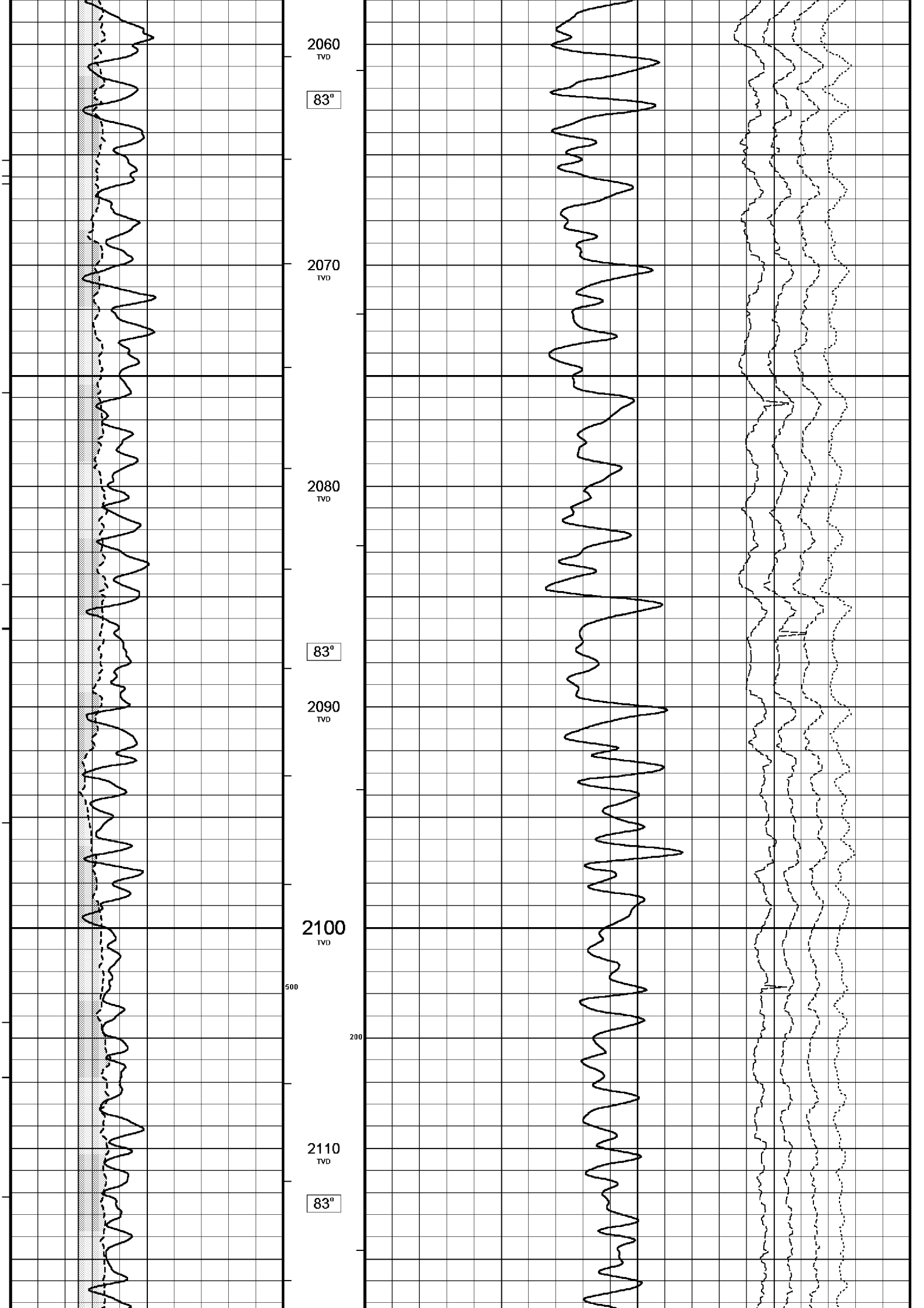


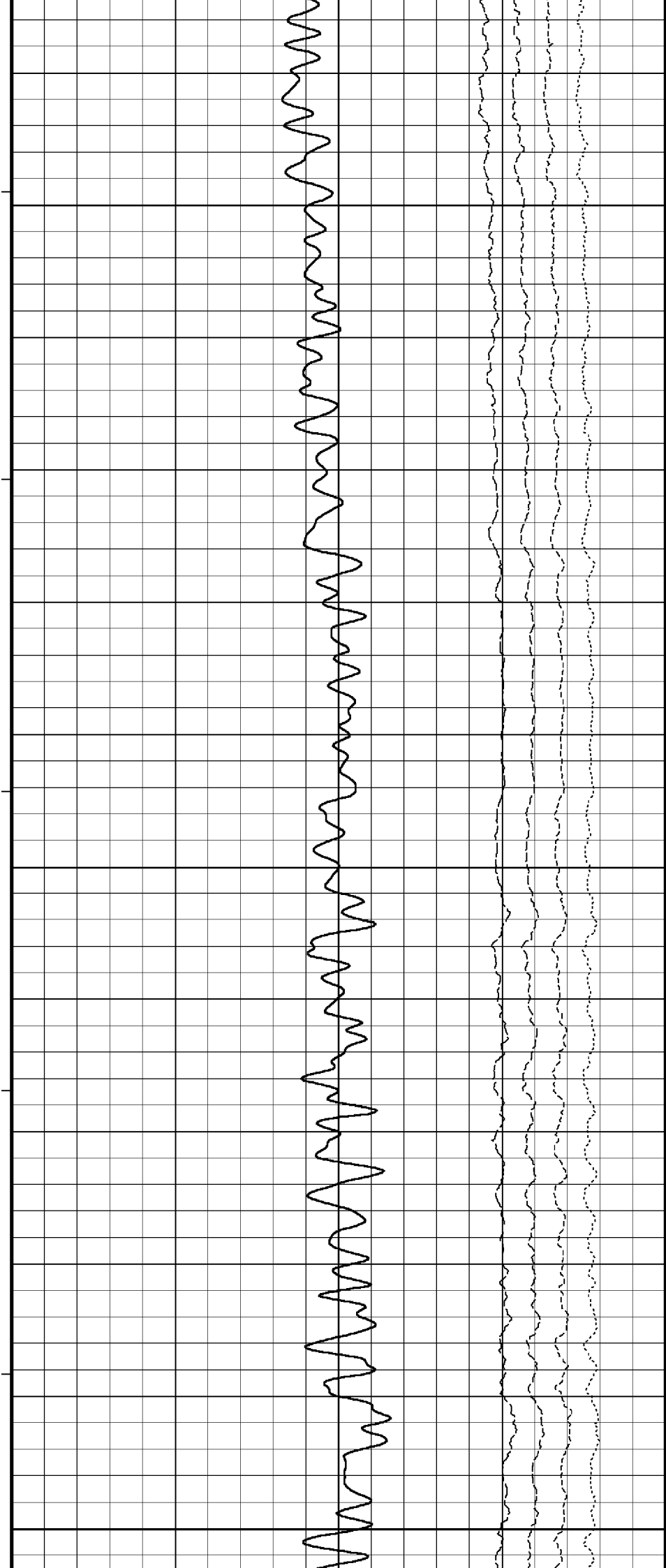
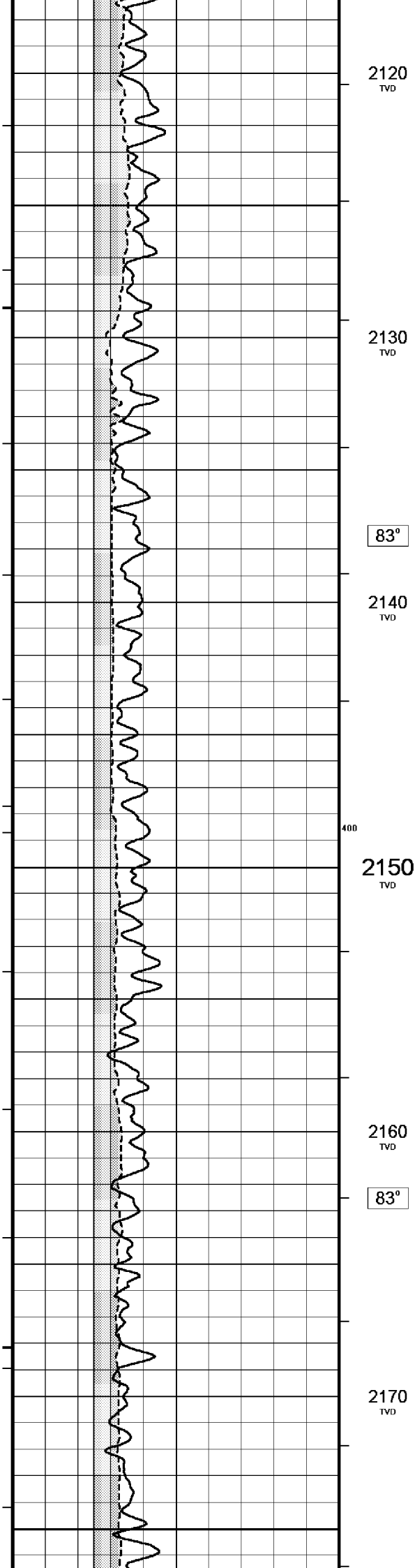


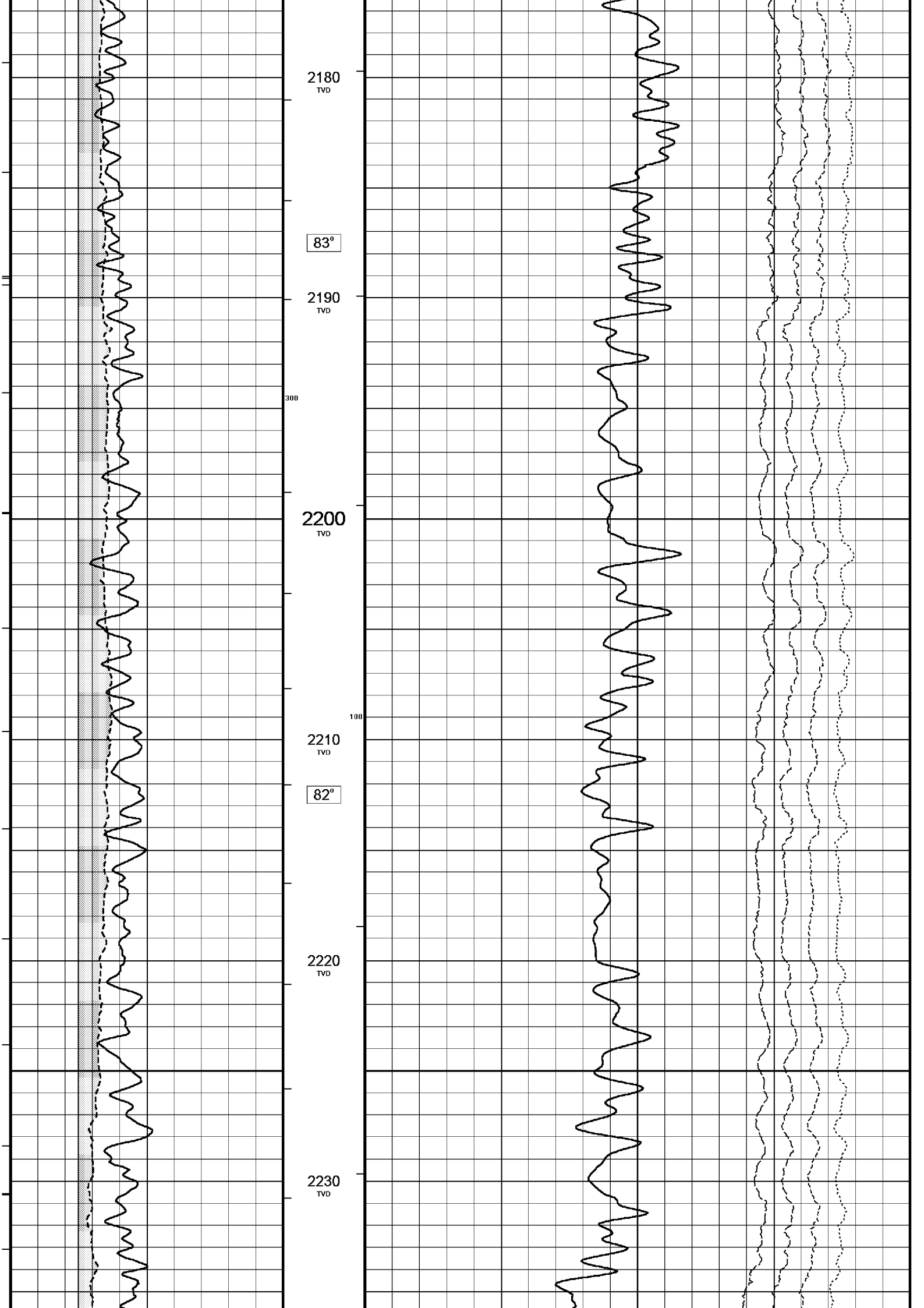


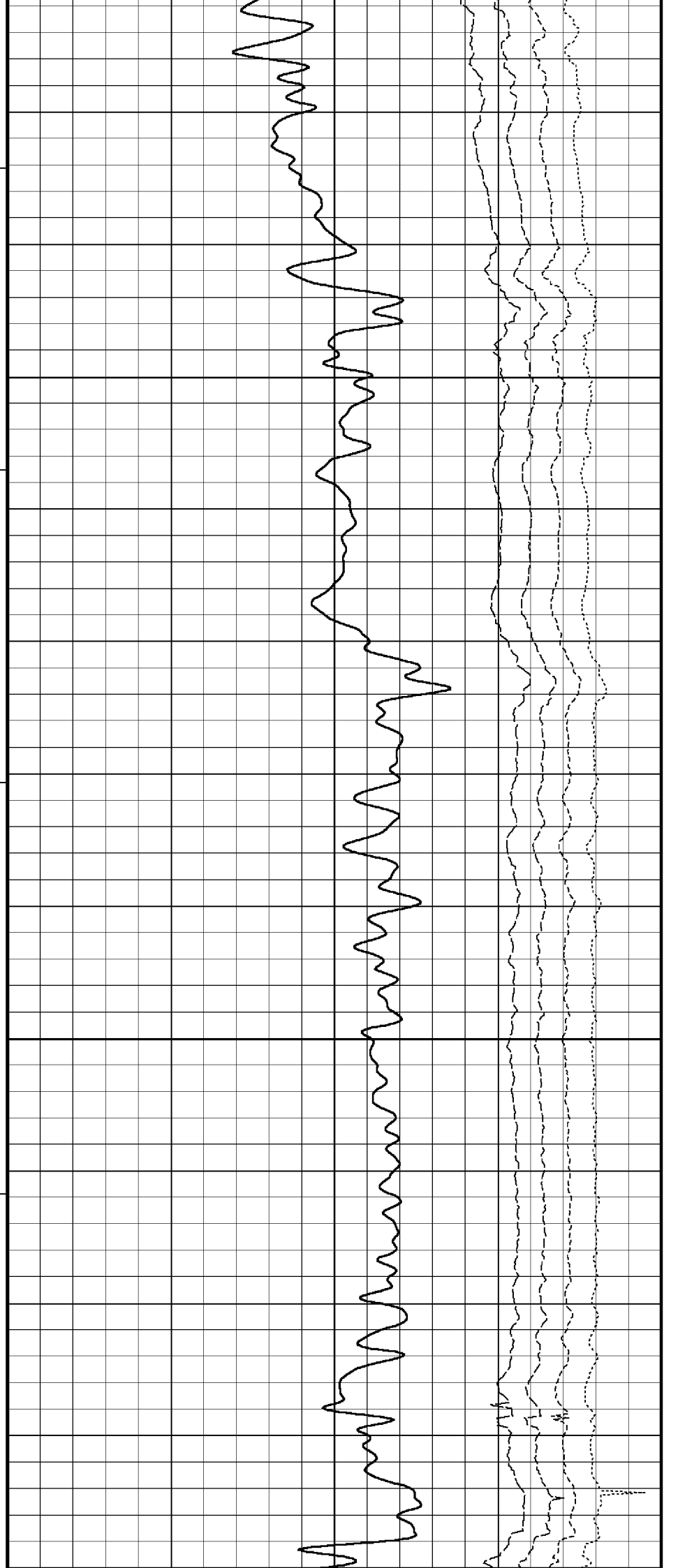
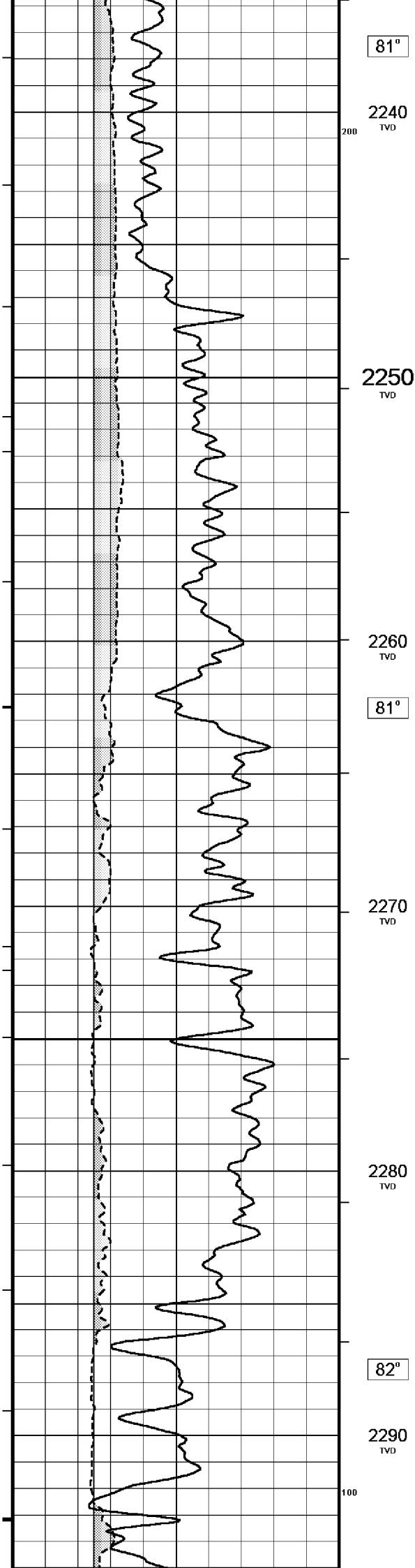


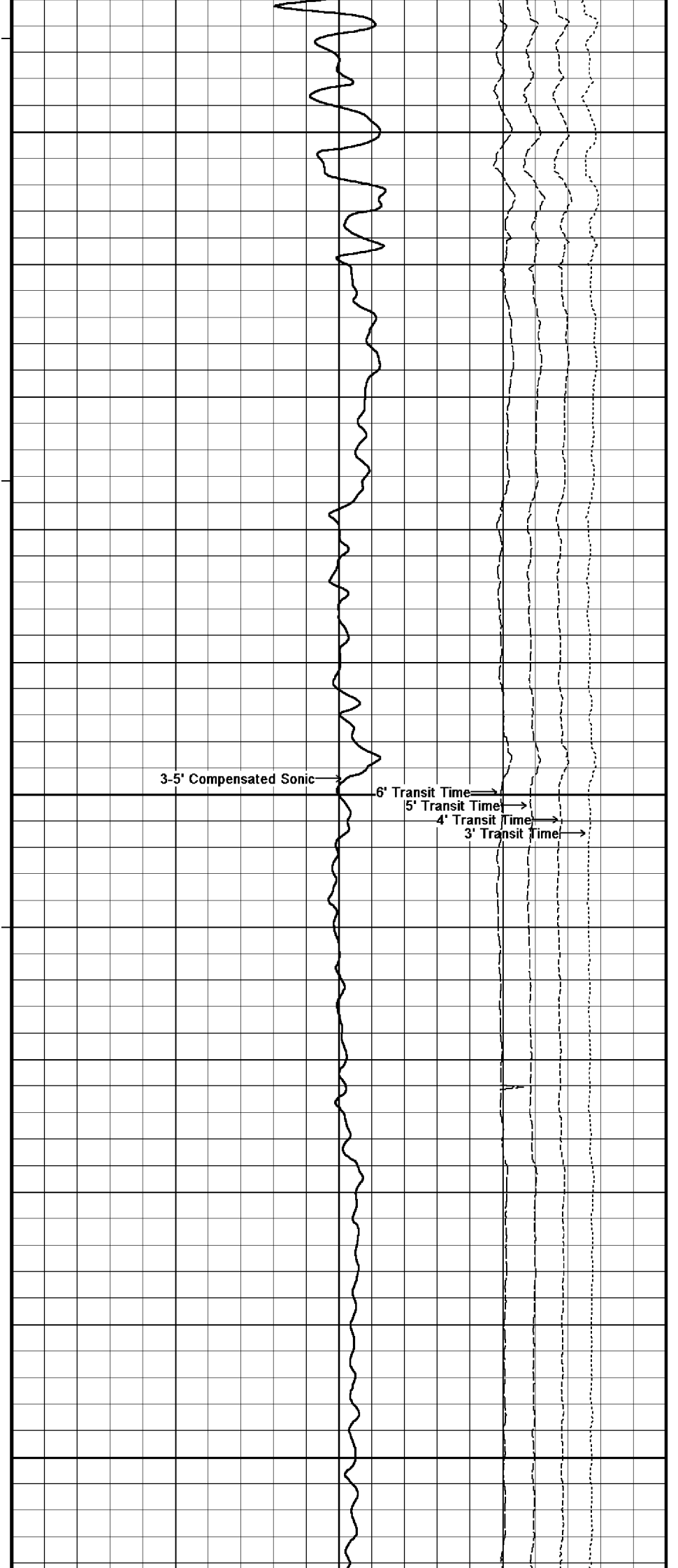
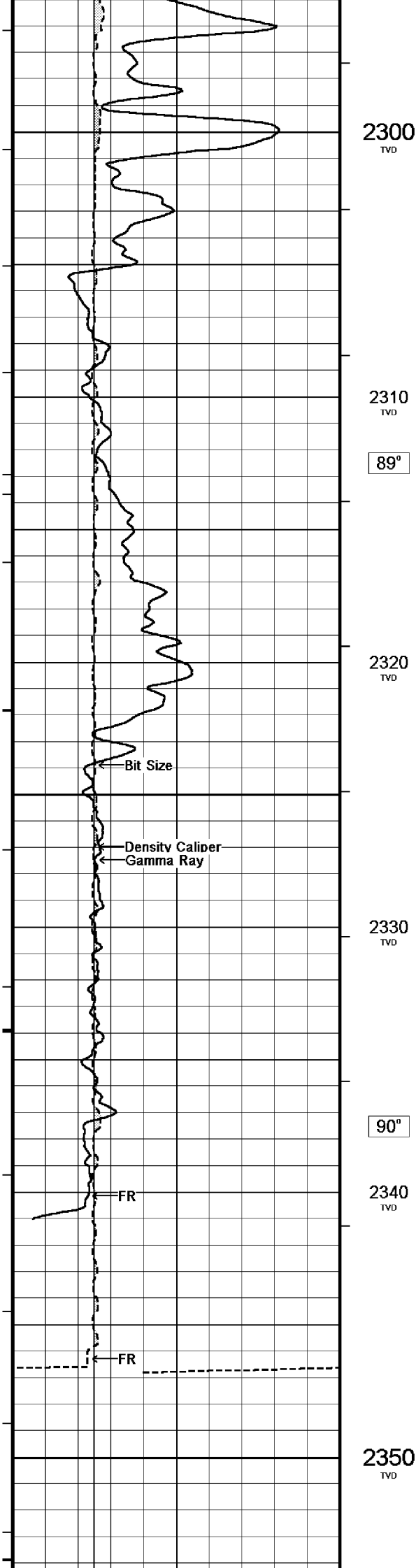


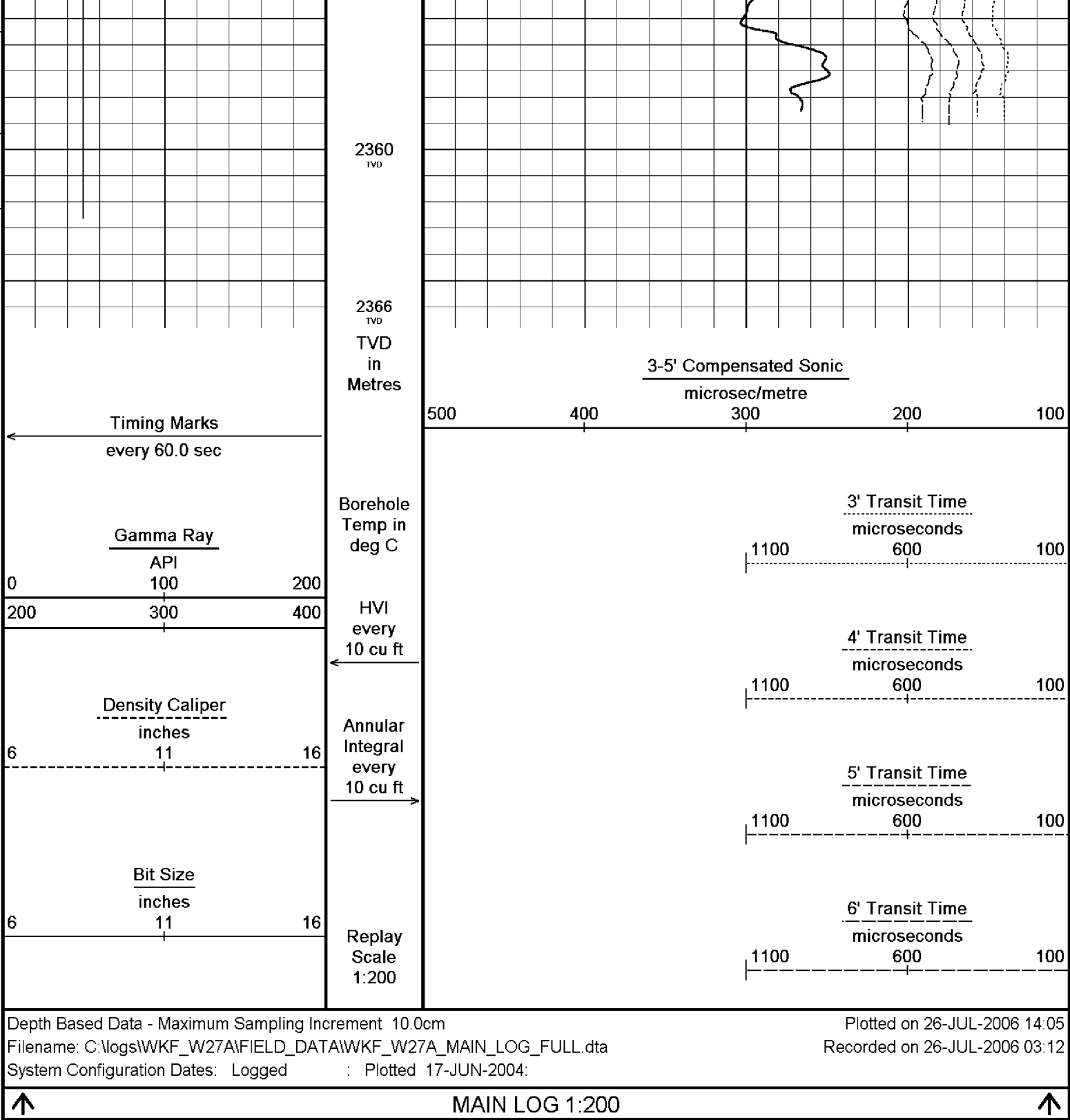












BEFORE SURVEY CALIBRATION		
C:\logs\WKF_W27A\FIELD_DATA\WKF_W27A_MAIN_LOG.dta		
General Constants All 000		
General Parameters		
Mud Resistivity	0.105	ohm-metres
Mud Resistivity Temperature	25.000	degrees C
Water Level	0.000	metres
Density/Neutron Processing	Wet Hole	
Hole/Annular Volume and Differential Caliper Parameters		
HVOL Caliper 1	Density Caliper	
HVOL Caliper 2	Density Caliper	
Annular Volume Diameter	7.000	inches
Caliper for Differential Caliper	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 21-JUN-2006,15:43
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 24-JUL-2006 01:45
Background	22	15	
Calibrator (Gross)	1363	924	
Calibrator (Net)	1341	909	
Gamma Constants MCG 142			
Gamma Calibrator Number	60		
Mud Density	1.16	gm/cc	
Caliper Source for Processing	Density Caliper		
Tool Position	Eccentred		
Concentration of KCl	0.00	kppm	
Caliper Calibration MPD 083			
			Base Calibration on 19-JUL-2006 12:33
			Field Calibration on 24-JUL-2006,02:04
Base Calibration			
Reading No	Measured	Calibrator Size (in)	
1	15377	4.01	
2	22794	5.99	
3	31114	7.98	
4	39638	9.94	
5	48896	12.01	
6	N/A	N/A	
Field Calibration			
	Measured Caliper (in)	Actual Caliper (in)	
	7.98	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_W27A\FIELD_DATA\WKF_W27A_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 31 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 141 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 129 Length: 0.65 m Weight: 15.4 lb

MBE 21 Compact Stiff Bridle Electrode
MLK 111 Length: 3.76 m Weight: 94.8 lb

Compact Inline Standoff B



MIS 135 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 Inline Bowspring A
MIS 95 Length: 1.74 m Weight: 33.1 lb

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

Compact Knuckle Joint
SKJ 101 Length: 0.66 m Weight: 24.3 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 Knuckle Joint
SKJ 46 Length: 0.66 m Weight: 24.3 lb

Compact Swivel Head Adaptor F
SHA 73 Length: 0.83 m Weight: 26.5 lb

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

Compact Inline Standoff B
MIS 132 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 139 Length: 0.65 m Weight: 15.4 lb

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

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

Compact Inline Standoff B
MIS 138 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 73 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 127 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: 1265.5 lb



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	WKF W27A
FIELD	KINGFISH GDA94
PROVINCE/COUNTY	BASS STRAIT, VICTORIA
COUNTRY/STATE	AUSTRALIA

Elevation Kelly Bushing	metres	First Reading	2359.20	metres	
Elevation Drill Floor	33.43	metres	Depth Driller	2366.00	metres
Elevation Ground Level	-76.13	metres	Depth Logger	2366.00	metres

