

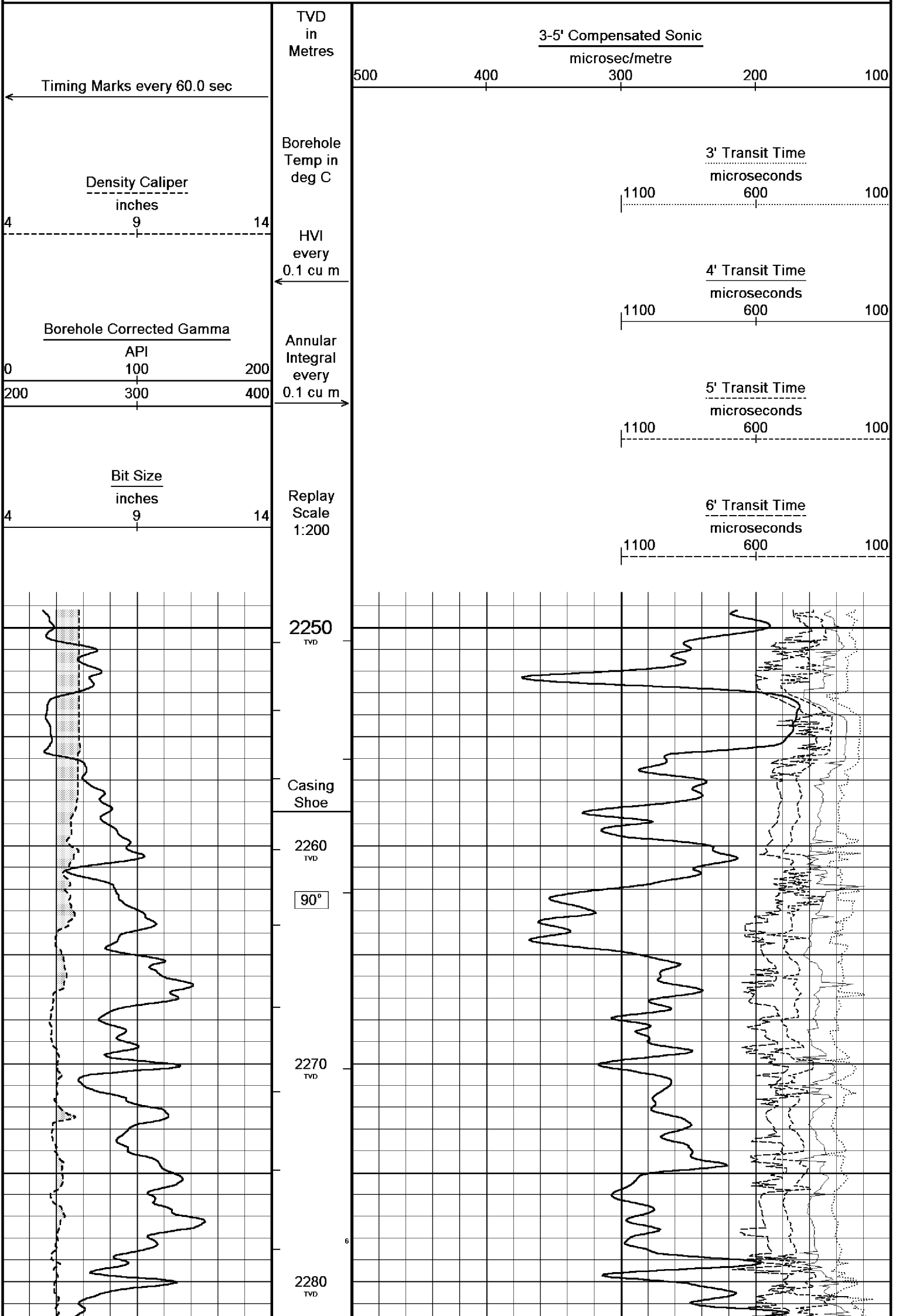
# Reeves

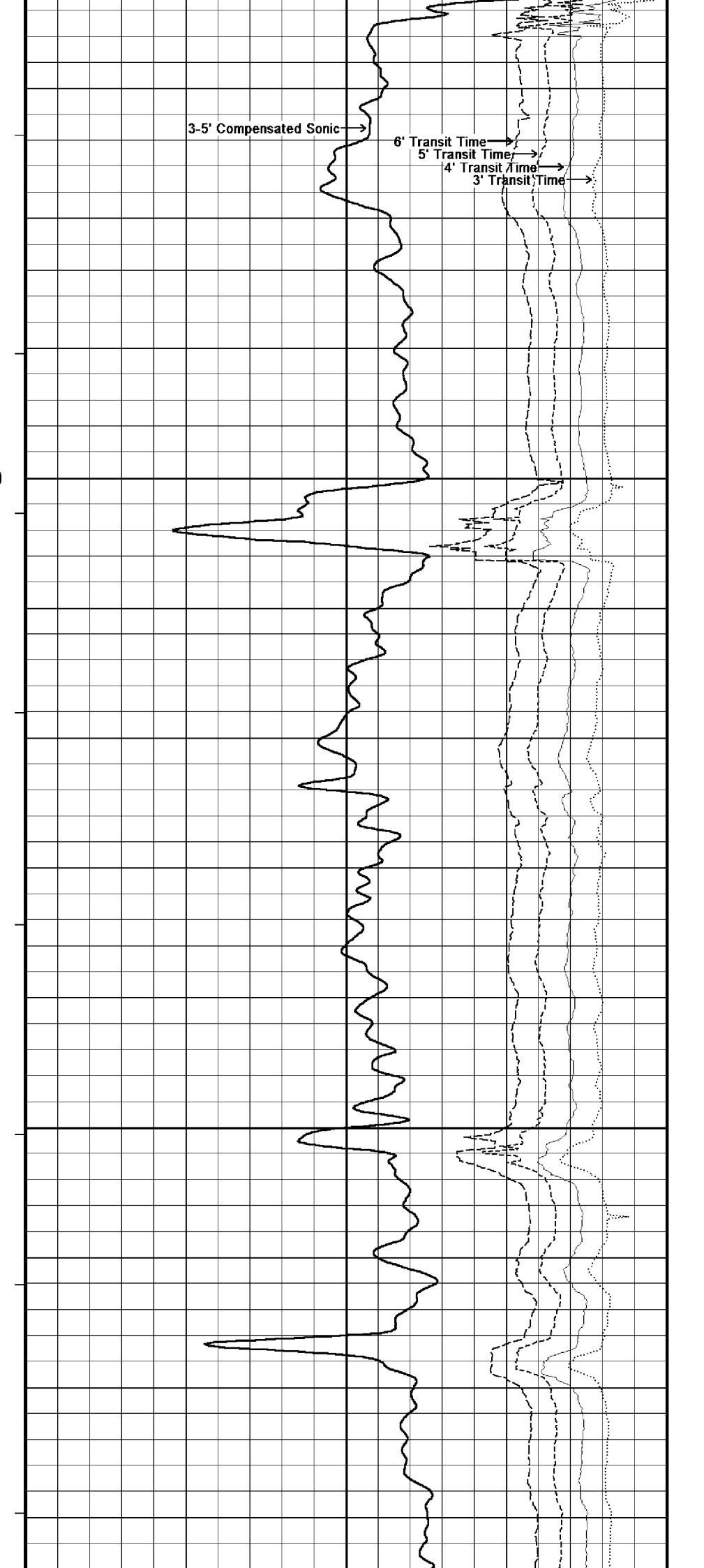
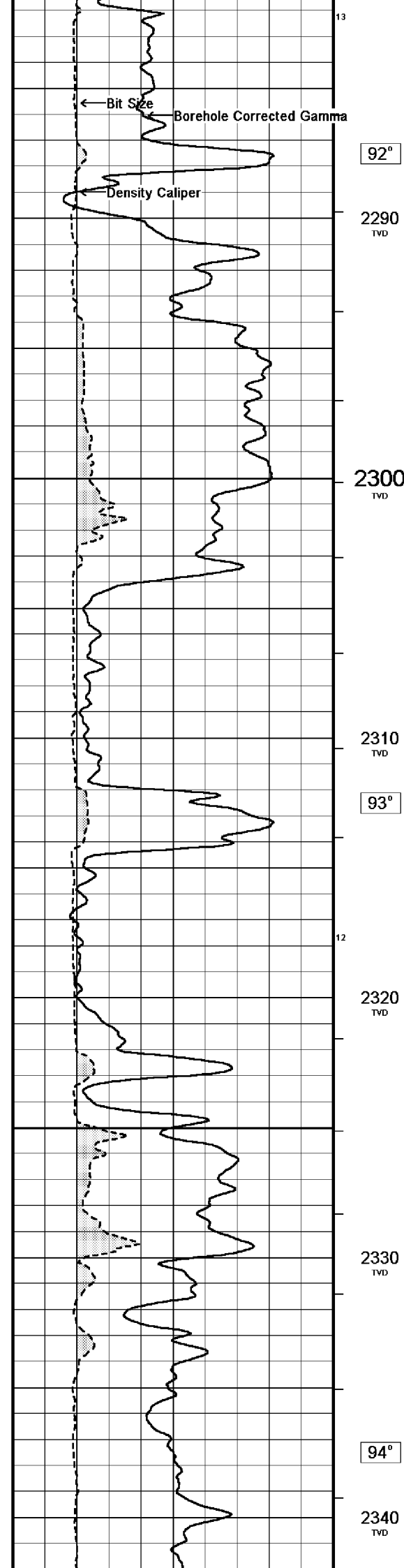
## COMPENSATED SONIC 1:200 TVD

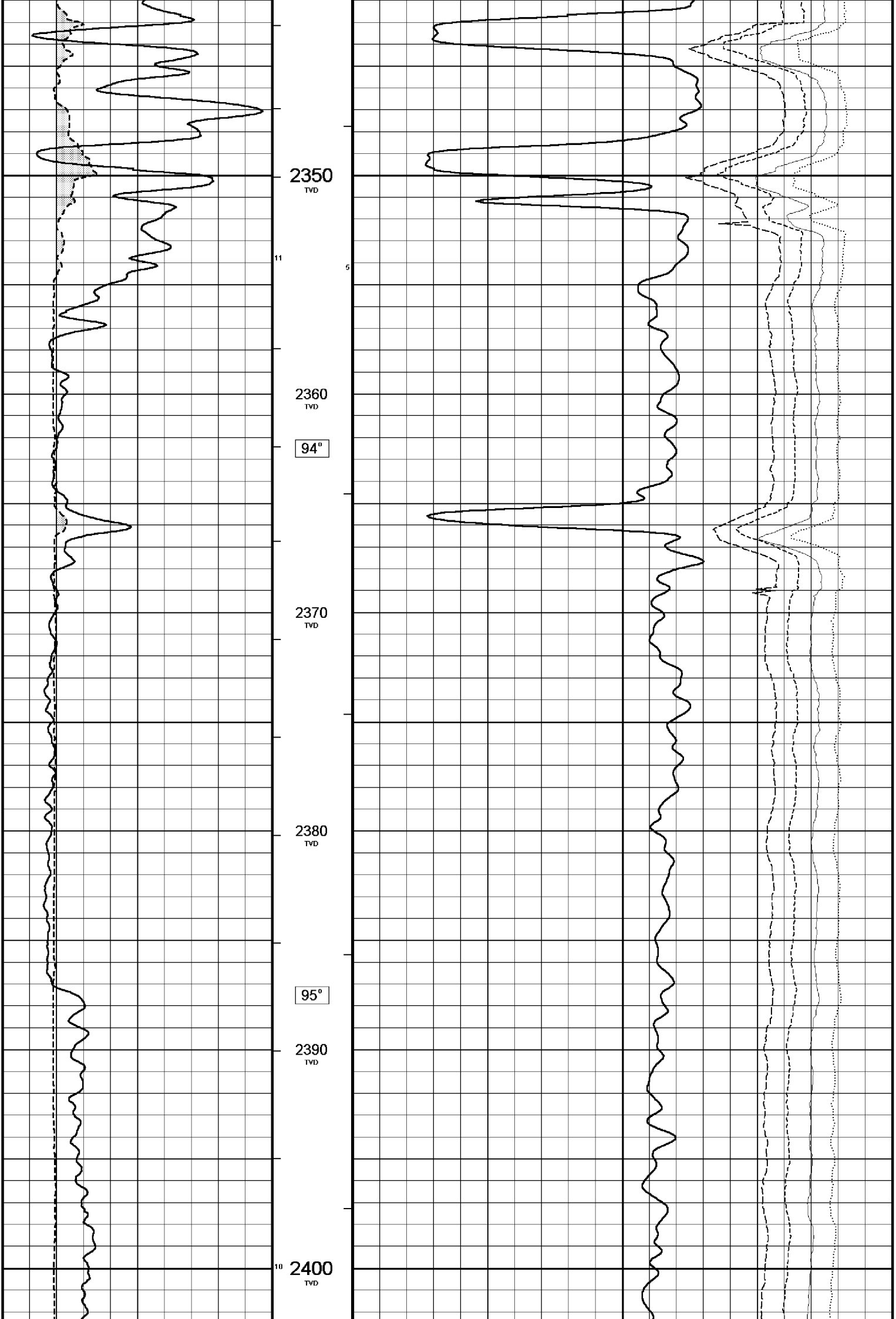
COMPANY			ESSO AUSTRALIA PTY. LTD.			
WELL			FLOUNDER A-17a			
FIELD			GIPPSLAND BASIN			
PROVINCE/COUNTY			BASS STRAIT			
COUNTRY/STATE			AUSTRALIA			
LOCATION			5758711.37 m N, 625853.66 m E 38°18'39.158" S, 148°26'22.270" E			
LSD	SEC	TWP	RGE	Other Services DUAL LATEROLOG PHOTO DENSITY COMPENSATED NEUTRON		
API Number						
Permit Number						
Permanent Datum MSL			, Elevation 0 metres			
Log Measured From RT@33.85 metres above Permanent Datum						
Drilling Measured From RT						
Date	17-Aug-2003				Elevations: KB DF GL	metres 33.85 metres -93.00 metres
Run Number	2					
Depth Driller	2878.00		metres			
Depth Logger	2865.40		metres			
First Reading	2859.80		metres			
Last Reading	2258.40		metres			
Casing Driller	2267.00		metres			
Casing Logger	2258.40		metres			
Bit Size	6.00		inches			
Hole Fluid Type	KC/PPH/PA/GLY					
Density / Viscosity	9.20 lb/USg		70.00 sec/qt			
PH / Fluid Loss	9.30		3.10 ml/30Min			
Sample Source	FLOWLINE					
Rm @ Measured Temp	0.101 @ 25.0		ohm-m			
Rmf @ Measured Temp	0.083 @ 25.0		ohm-m			
Rmc @ Measured Temp	0.146 @ 25.0		ohm-m			
Source Rmf / Rmc	PRESS		PRESS			
Rm @ BHT	0.036 @ 111.0		ohm-m			
Time Since Circulation	30 HRS					
Max Recorded Temp	111.00		deg C			
Equipment Name	COMPACT					
Equipment / Base	1		SALE			
Recorded By	G. McManus, R. Tench				S. Mooney, B. Arnold	
Witnessed By	E.Espiritu					
Circ. Stopped	23:15 15-AUG					

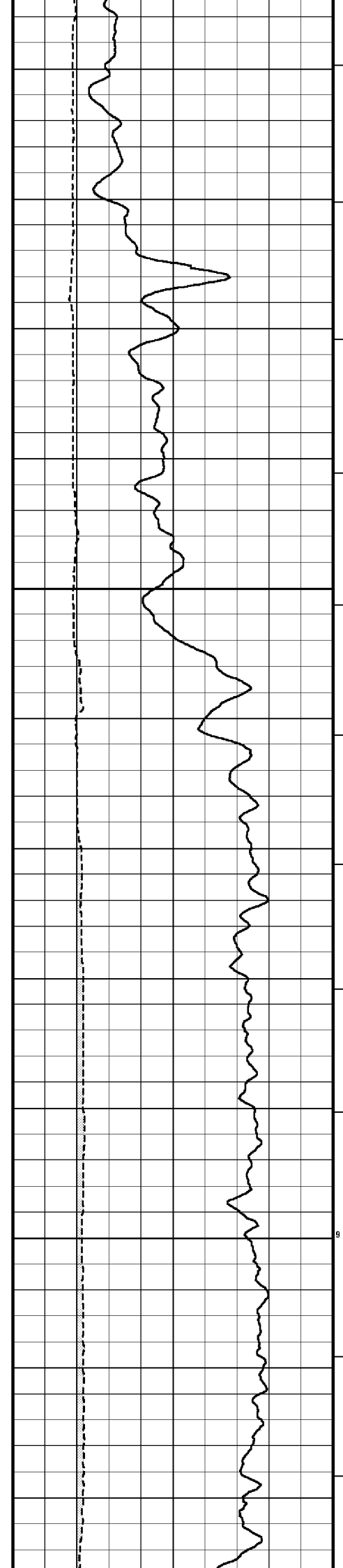
BOREHOLE RECORD				
Bit Size inches		Depth From metres		Depth To metres
8.500		1500.00		2800.00
6.000		2800.00		3660.00
CASING RECORD				
Type	Size inches	Depth From metres	Shoe Depth metres	Weight pounds/ft
K55 BTC	10.750	0.00	1256.00	40.50
	7.625	1256.00	2896.00	27.00
REMARKS				
DRILLING RIG: NABORS (ISDL) 453.				
REEVES COMPACT TOOLS RAN WITH 3½" WELL SHUTTLE.				
MAX DEVIATION: 43.3° @ 3283 m.				
GRONINGEN LATEROLOG PRESENTED WITH ORIGINAL LOGGING CONSTANT. ENHANCED MODEL PROCESSING USED FOR INDUCTION DATA (NOT PRESENTED).				
REEVES CREW: R.TENCH, G.MCMANUS, S.MOONEY AND BILL ARNOLD				

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.









2410  
TVD

96°

2420  
TVD

2430  
TVD

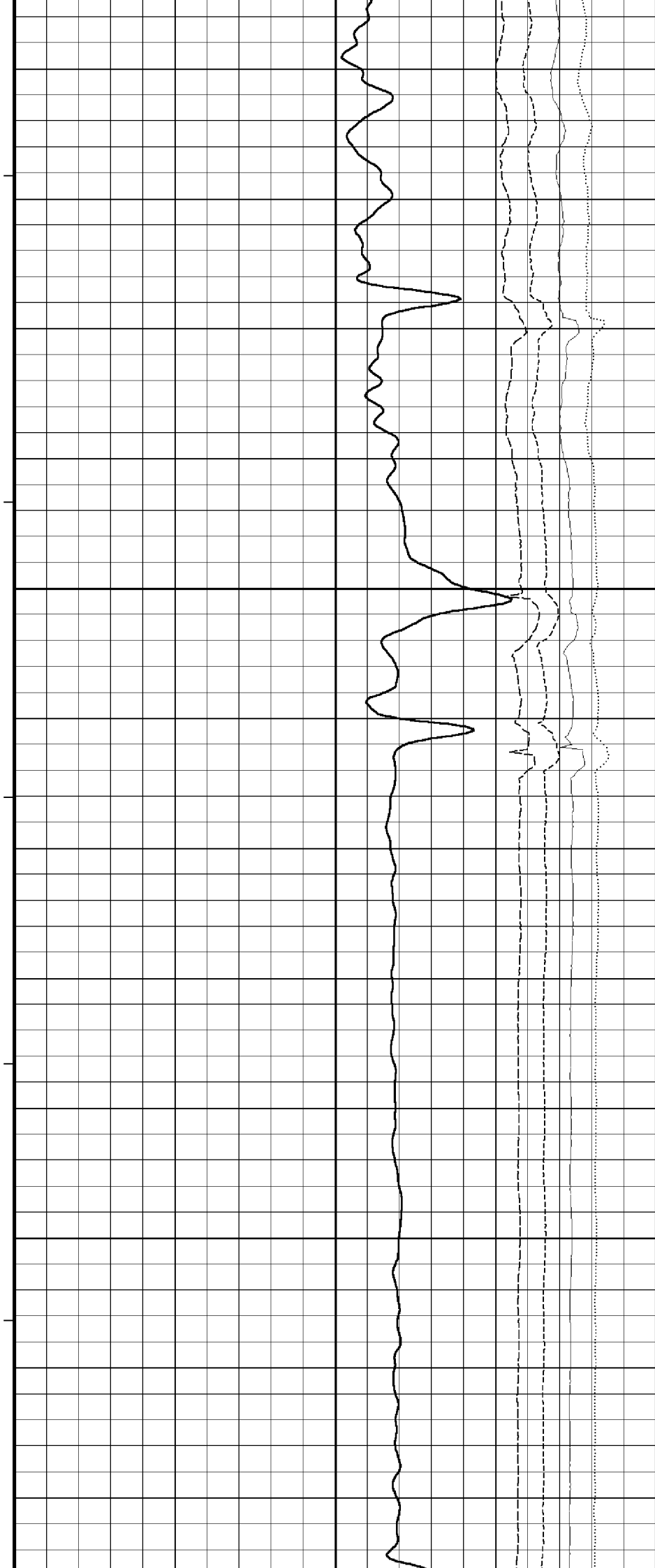
96°

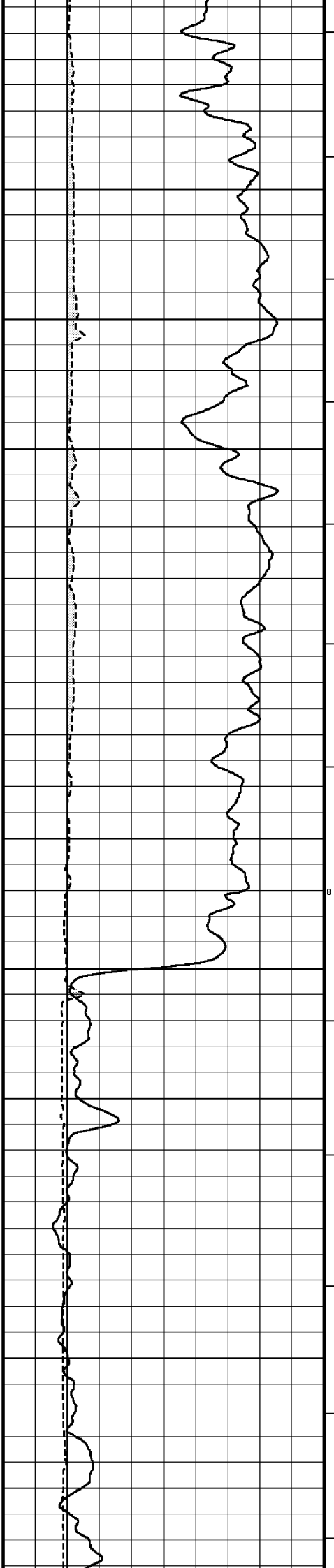
2440  
TVD

2450  
TVD

2460  
TVD

96°





2470  
TVD

2480  
TVD

97°

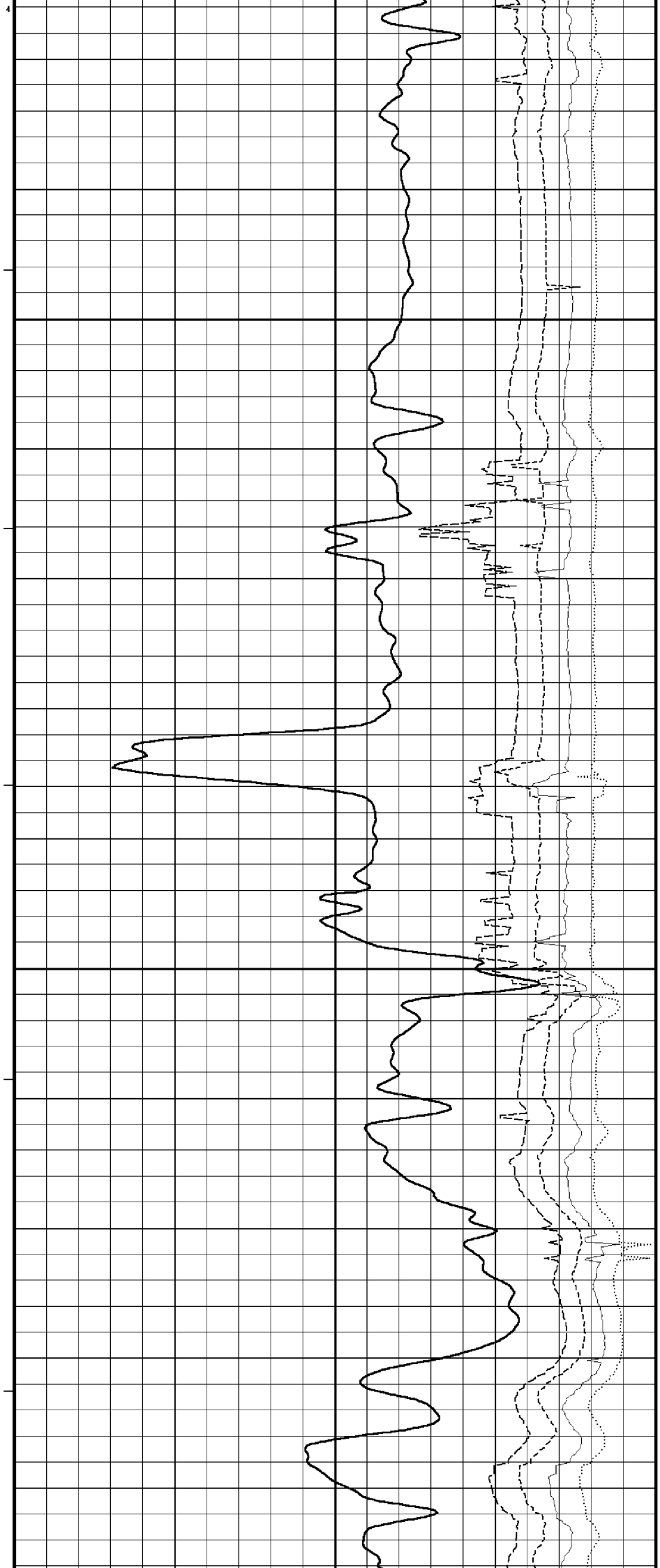
2490  
TVD

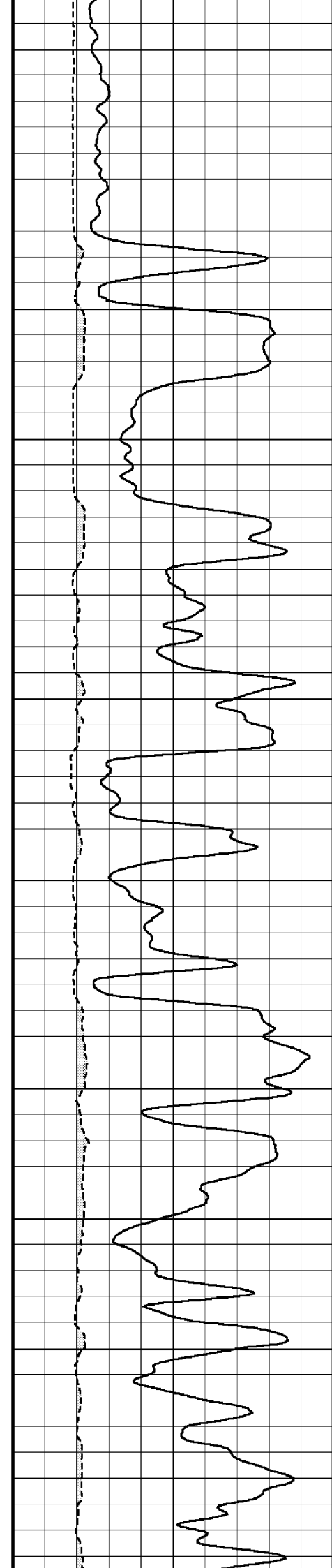
2500  
TVD

2510  
TVD

97°

2520  
TVD





2530  
TVD

97°

2540  
TVD

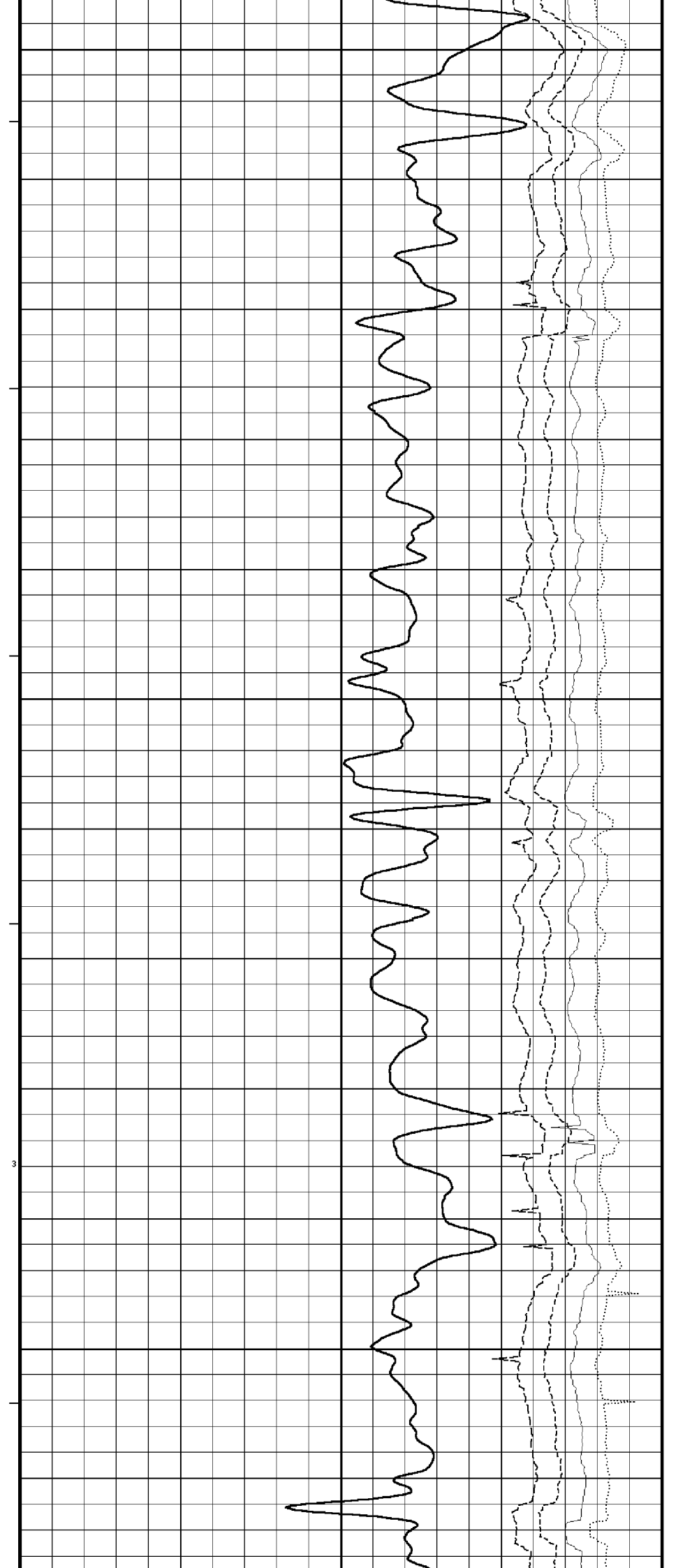
2550  
TVD

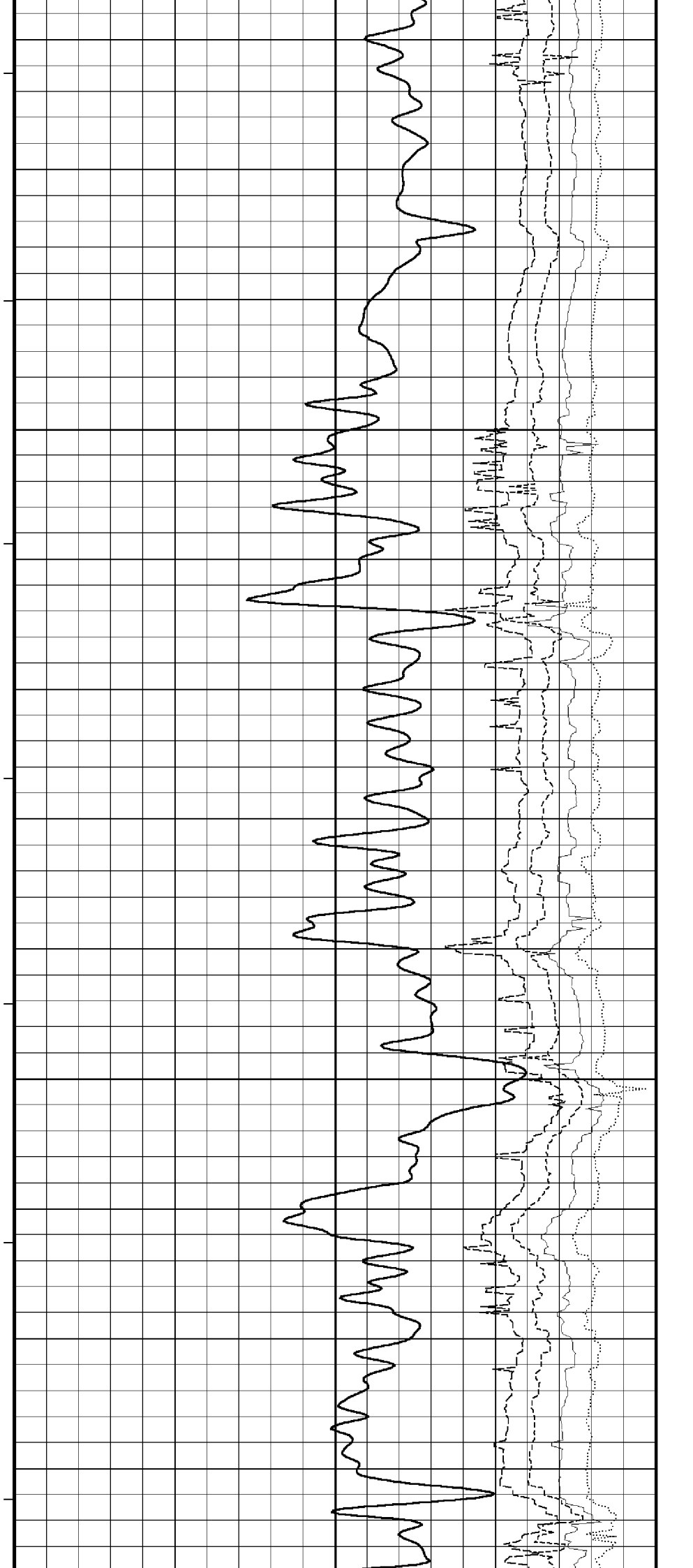
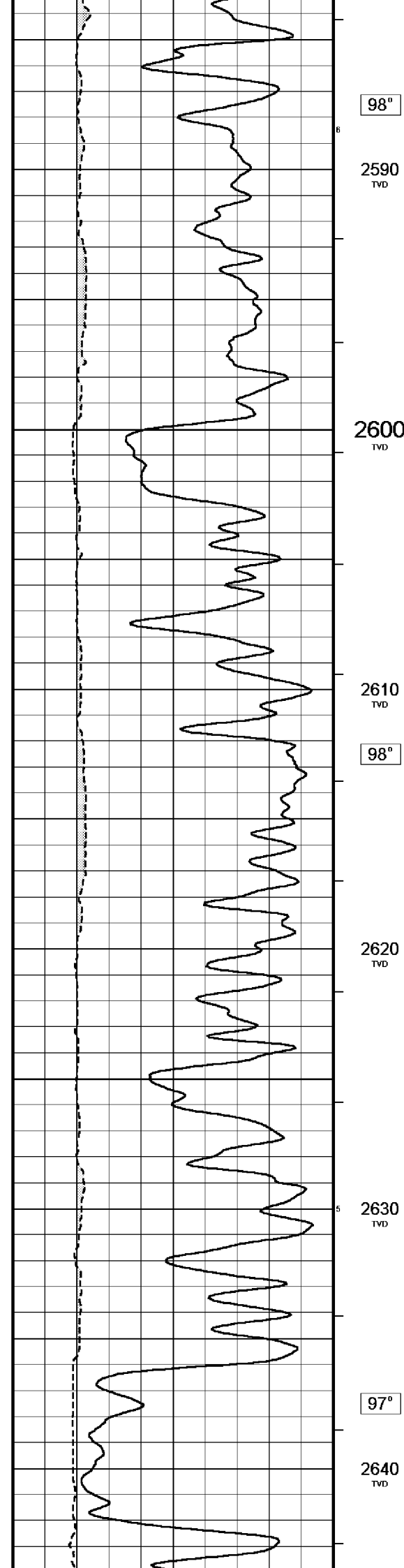
2560  
TVD

97°

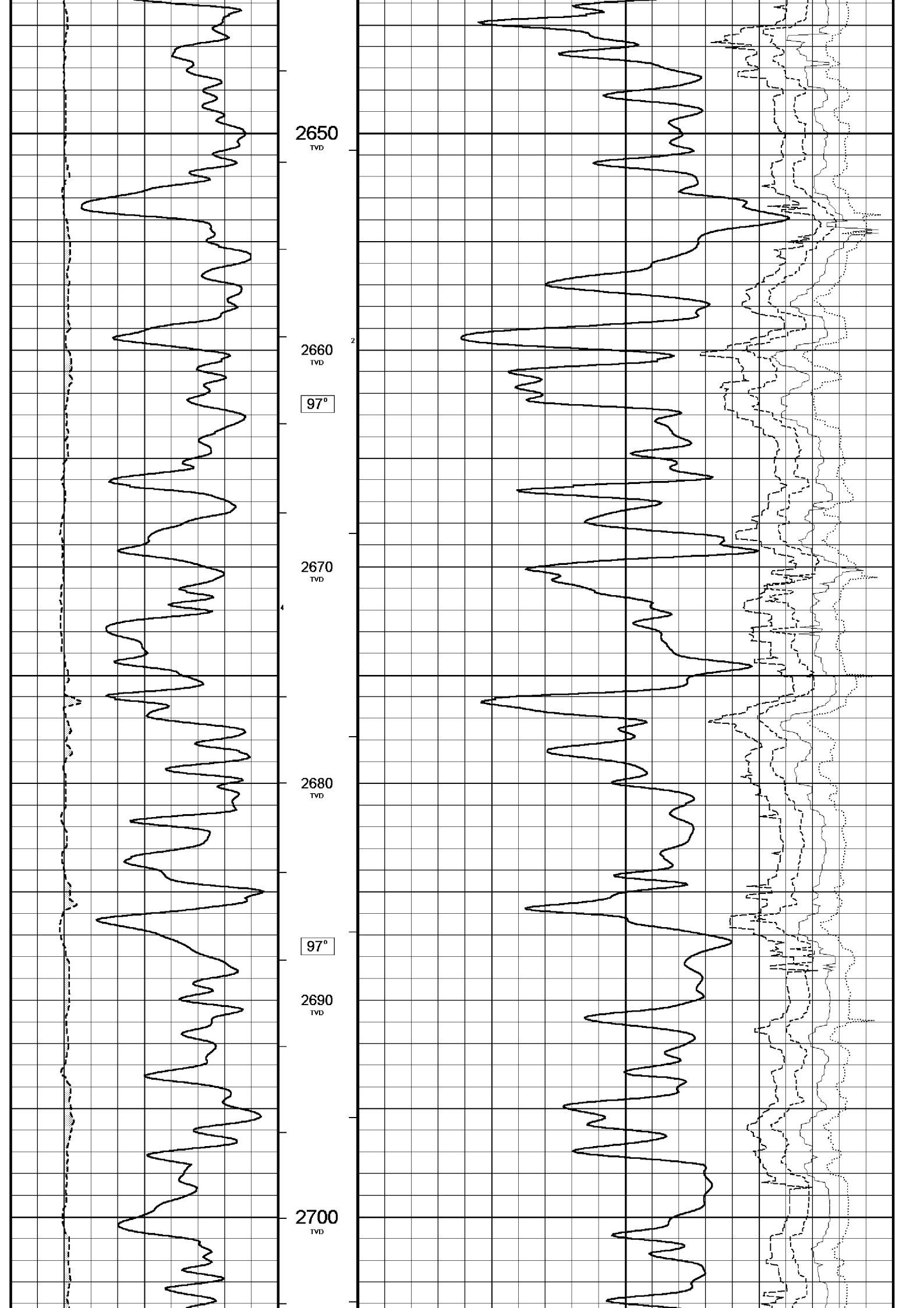
2570  
TVD

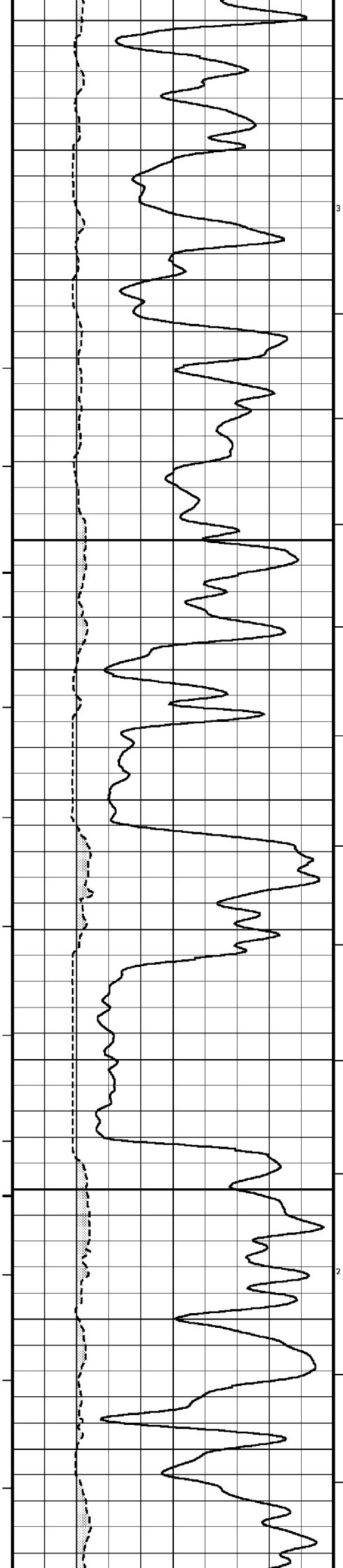
2580  
TVD











2710  
TVD

97°

2720  
TVD

2730  
TVD

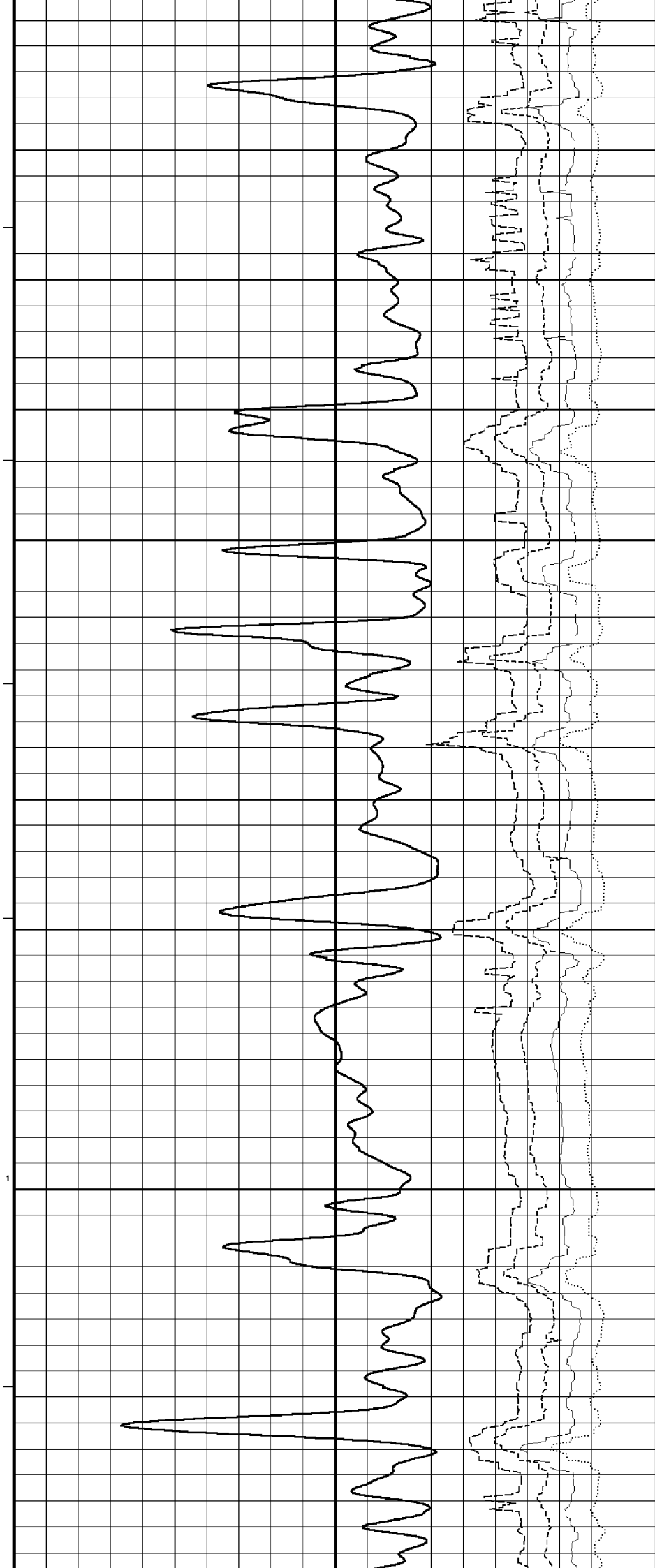
97°

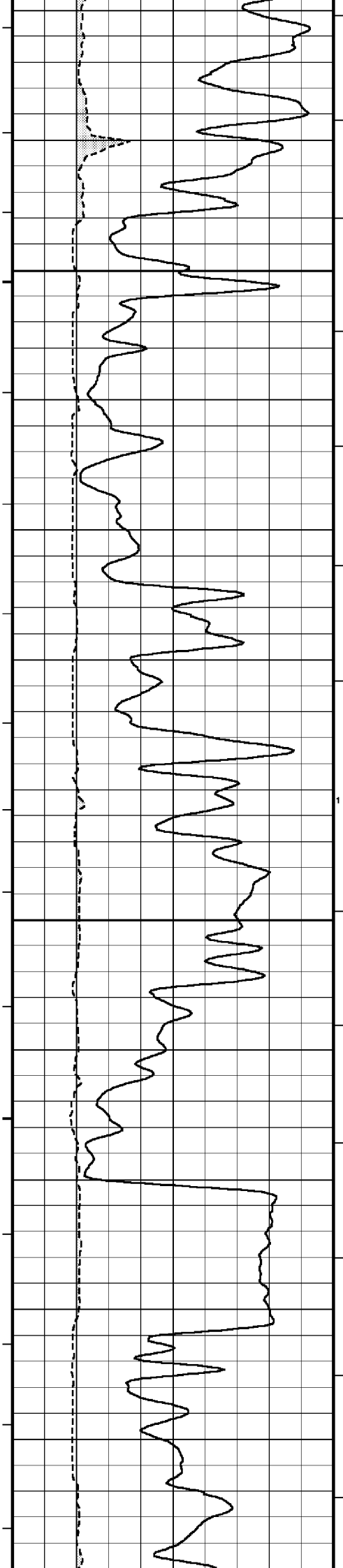
2740  
TVD

2750  
TVD

2760  
TVD

97°





2770  
TVD

2780  
TVD

98°

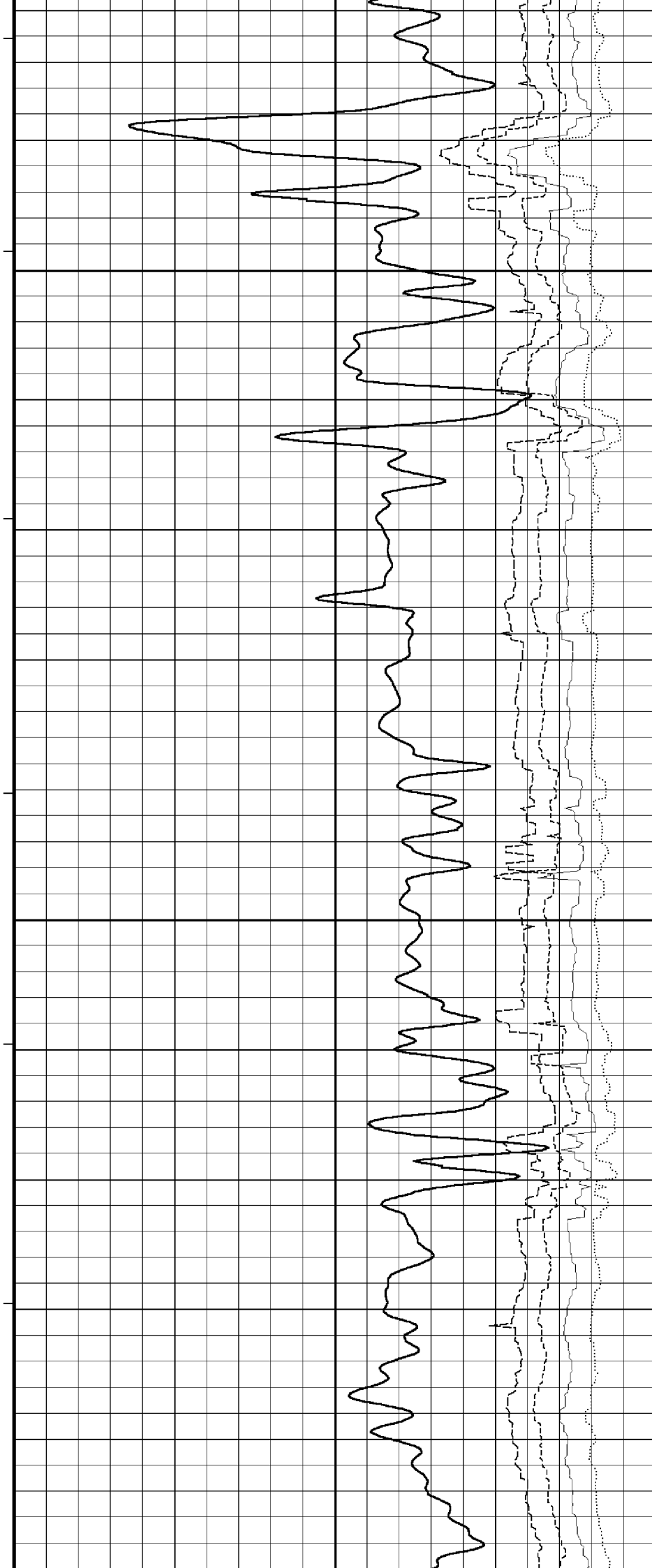
2790  
TVD

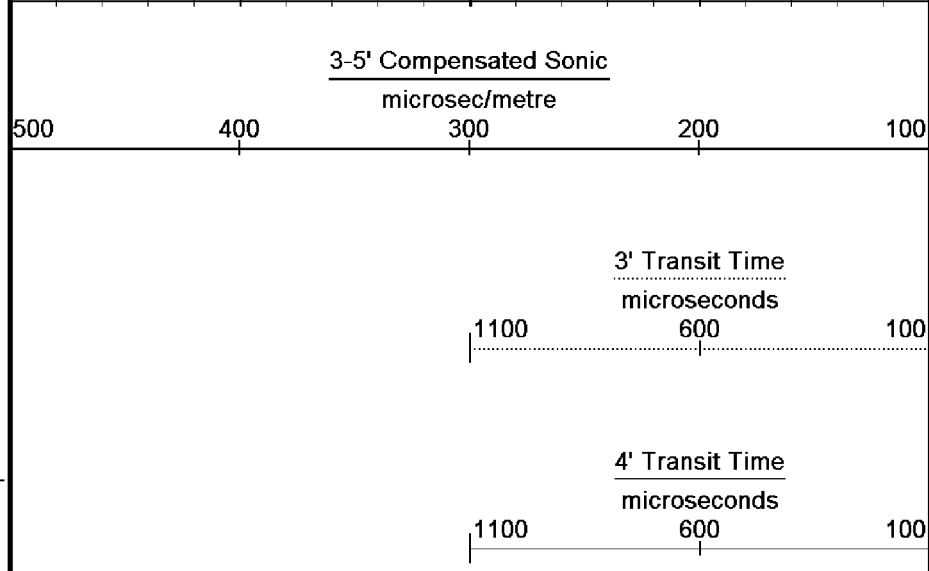
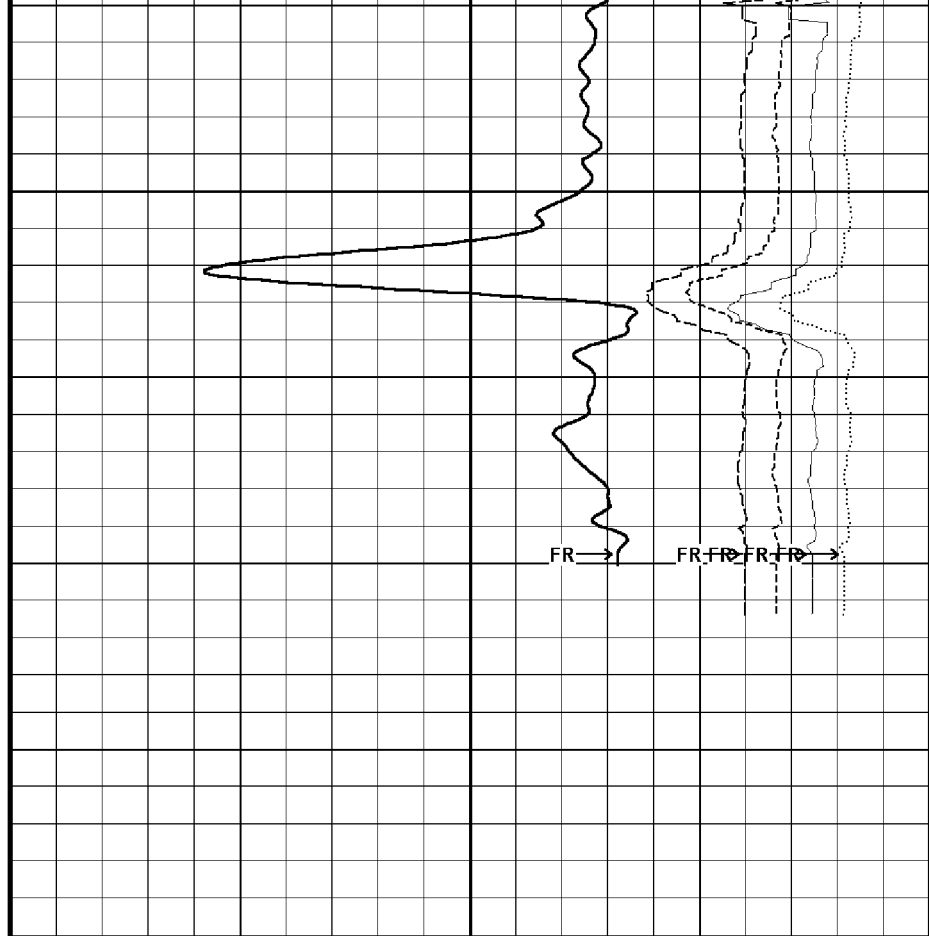
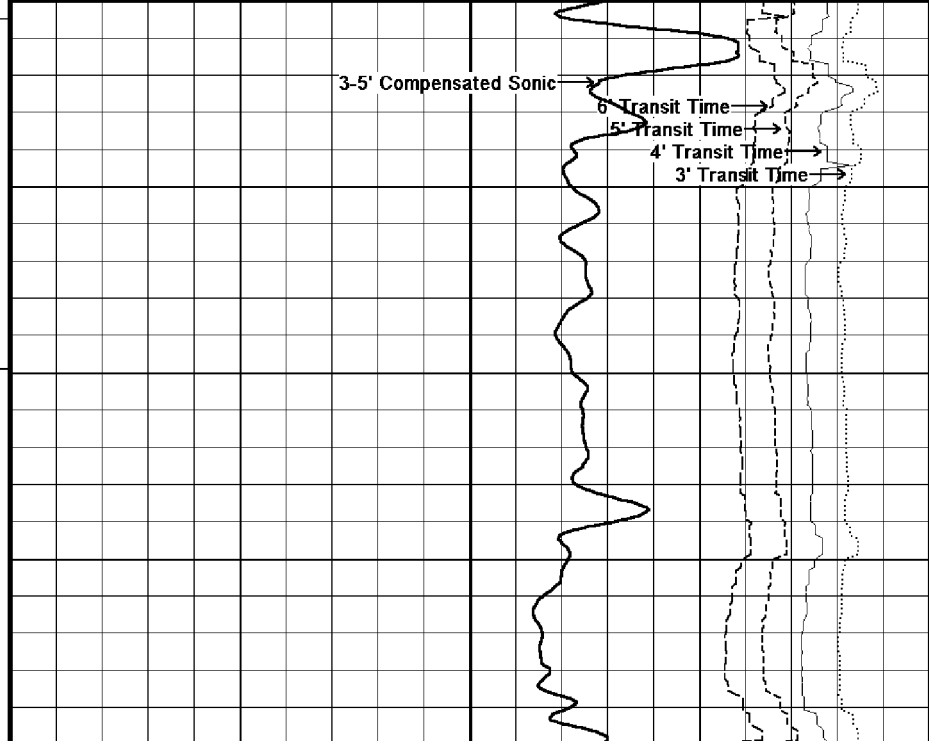
2800  
TVD

2810  
TVD

98°

2820  
TVD





0	API 100	200	Annular Integral every 0.1 cu m	
200	300	400		5' Transit Time microseconds 1100 600 100
Bit Size inches 4 9 14			Replay Scale 1:200	6' Transit Time microseconds 1100 600 100

Depth Based Data - Maximum Sampling Increment 10.0cm Plotted on 23-OCT-2003 11:05  
Filename: C:\Fla\_a17a\B & W Finals\Fla\_A17a\_Main\_log\_MSS.dta Recorded on 17-AUG-2003 18:09  
System Configuration Dates: Logged 23-OCT-2002: Processed 23-OCT-2002: Plotted 23-OCT-2002:

↑ MAIN LOG 1:200 ↑

BEFORE SURVEY CALIBRATION  
C:\Fla\_a17a\B & W Finals\Fla\_A17a\_Main\_log\_MSS.dta

General Constants All 000		
General Parameters		
Mud Resistivity	0.10	ohm-metres
Mud Resistivity Temperature	25.00	degrees C
Water Level	0.00	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	4.50	inches
Caliper for Differential Caliper	Density Caliper	
Rwa Parameters		
Porosity used	Base Density Porosity	
Resistivity used	Deep Laterolog	
RWA Constant A	0.61	
RWA Constant M	2.15	

High Resolution Temperature Calibration MCG 043			Field Calibration on 9-AUG-2002,07:03
	Measured	Calibrated(Deg C)	
Lower	20.50	20.00	
Upper	51.00	50.00	

High Resolution Temperature Constants MCG 043	
Pre-filter Length	11

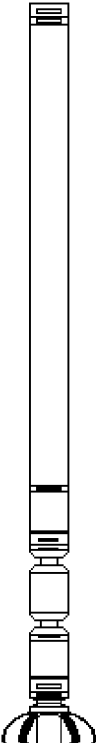
Gamma Calibration MCG 043			Field Calibration on 15-AUG-2003 19:05
	Measured	Calibrated (API)	
Background	16	11	
Calibrator (Gross)	1419	920	
Calibrator (Net)	1403	909	

Gamma Constants MCG 043		
Gamma Calibrator Number	60	
Mud Density	1.15	gm/cc
Caliper Source for Processing	Density Caliper	
Tool Position	Eccentred	
Concentration of KCl	0.00	kppm

Caliper Calibration MPD 066			Base Calibration on 22-OCT-2003,14:18 Field Calibration on 22-OCT-2003,14:18
Base Calibration			
Reading No	Measured	Calibrator Size (in)	
1	12128	4.58	
2	20304	6.56	
3	28752	8.56	
4	37248	10.52	

5	46672	12.58
6	N/A	N/A
Field Calibration		
	Measured Caliper (in)	Actual Caliper (in)
	6.00	6.00

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		
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			

DOWNHOLE EQUIPMENT		
All measurements relative to tool zero.		
<div> <div> <div>Compact Battery Sub.</div> <div>MBS 99    Length: 4.34 m    Weight: 44.09 lb</div> </div> <div>  </div> </div>		
<div> <div>Compact Knuckle Joint</div> <div>SKJ 110    Length: 0.66 m    Weight: 24.25 lb</div> </div>		
<div> <div>Compact Inline Standoff B</div> </div>		

Compact Inline Standoff B  
MIS 135 Length: 0.65 m Weight: 15.43 lb

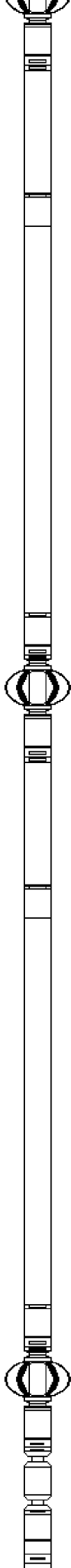
Compact Stiff Bridle Electrode Sub.  
MBE 18 Length: 3.76 m Weight: 94.80 lb

Compact Inline Standoff B  
MIS 136 Length: 0.65 m Weight: 15.43 lb

Compact Stiff Bridle Electrode Sub.  
MBE 17 Length: 3.76 m Weight: 94.80 lb

Compact Inline Standoff B  
MIS 132 Length: 0.65 m Weight: 15.43 lb

Compact Knuckle Joint  
SKJ 102 Length: 0.66 m Weight: 24.25 lb



Compact Gamma  
MCG 43   Length: 2.65 m   Weight: 63.93 lb

Compact Memory Sub.  
MMS 24   Length: 0.95 m   Weight: 22.05 lb

Compact Knuckle Joint  
SKJ 46   Length: 0.66 m   Weight: 24.25 lb

Compact Swivel Head Adaptor  
SHA 27   Length: 0.83 m   Weight: 26.46 lb

Compact Inline Bowspring A  
MIS 24   Length: 1.74 m   Weight: 33.07 lb

Compact Neutron  
MDN 42   Length: 1.53 m   Weight: 50.71 lb

Compact Density/Caliper  
MPD 66   Length: 2.92 m   Weight: 90.39 lb

32.22 m   GRGC - Gamma Ray

31.33 m   CGXT - MCG External Temperature

26.17 m   NPRL - Limestone Neutron Por.

23.48 m   HVOL - Hole Volume  
23.48 m   AVOL - Annular Volume





Compact Inline Bowspring A  
MIS 25    Length: 1.74 m    Weight: 33.07 lb

Compact Swivel Head Adaptor  
SHA 28    Length: 0.83 m    Weight: 26.46 lb

Compact Knuckle Joint  
SKJ 45    Length: 0.66 m    Weight: 24.25 lb

Compact Inline Standoff B  
MIS 31    Length: 0.65 m    Weight: 15.43 lb

Compact Upper Guard Sub.  
MUG 16    Length: 2.74 m    Weight: 68.34 lb

Compact Inline Standoff B  
MIS 73    Length: 0.65 m    Weight: 15.43 lb

Compact Laterolog Electrode Sub.  
MLE 5    Length: 3.76 m    Weight: 92.59 lb

23.27 m    DCOR - Density Correction  
23.27 m    DEN - Compensated Density  
23.25 m    PDPE - PE

13.35 m    DSLL - Shallow Laterolog

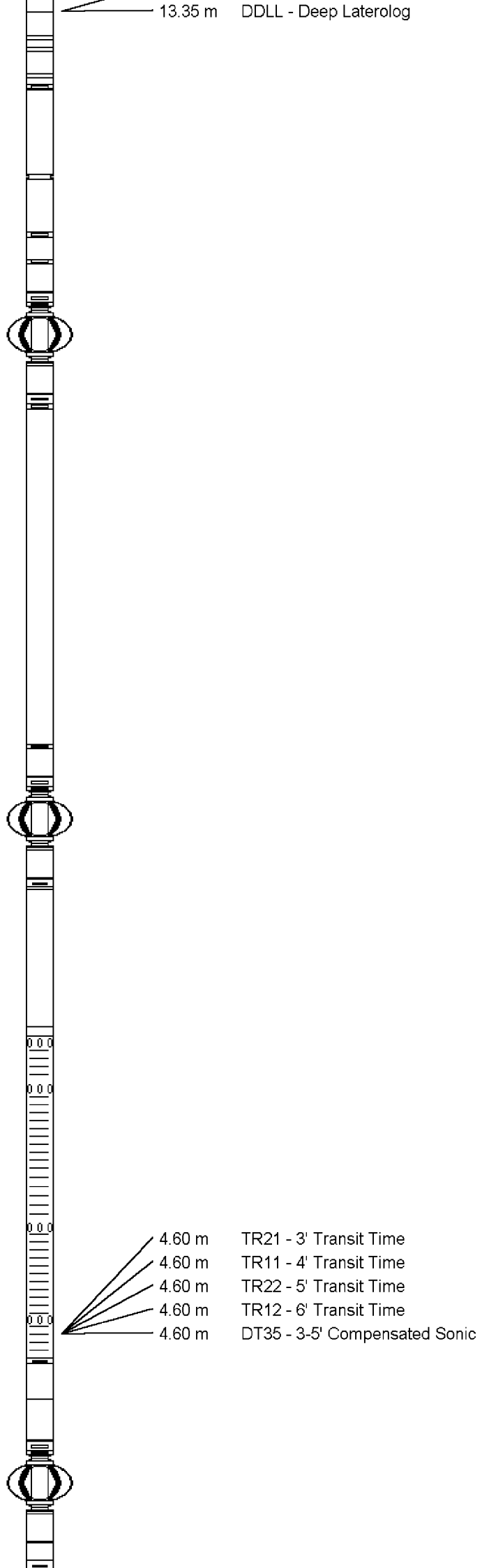
Compact Inline Standoff B  
MIS 30    Length: 0.65 m    Weight: 15.43 lb

Compact Lower Guard Sub.  
MLG 9    Length: 2.44 m    Weight: 55.12 lb

Compact Inline Standoff B  
MIS 130    Length: 0.65 m    Weight: 15.43 lb

Compact Sonic  
MSS 47    Length: 3.82 m    Weight: 72.75 lb

Compact Inline Standoff B  
MIS 128    Length: 0.65 m    Weight: 15.43 lb



Compact Induction  
MAI 39      Length: 3.29 m      Weight: 48.50 lb



Pressure Bung + Hole Finder  
HFS 3      Length: 0.28 m

Weight: 6.61 lb

Tool Zero

(0.32m from bottom)

Total Length: 49.23 m

Total Weight: 1144.20 lb

COMPANY	ESSO AUSTRALIA PTY. LTD.
WELL	FLOUNDER A-17a
FIELD	GIPPSLAND BASIN
PROVINCE/COUNTY	BASS STRAIT
COUNTRY/STATE	AUSTRALIA

Elevation Kelly Bushing	metres	First Reading	2859.80	metres
Elevation Drill Floor	33.85 metres	Depth Driller	2878.00	metres
Elevation Ground Level	-93.00 metres	Depth Logger	2865.40	metres

**Reeves**

COMPENSATED SONIC  
1:200 TVD