

Reeves

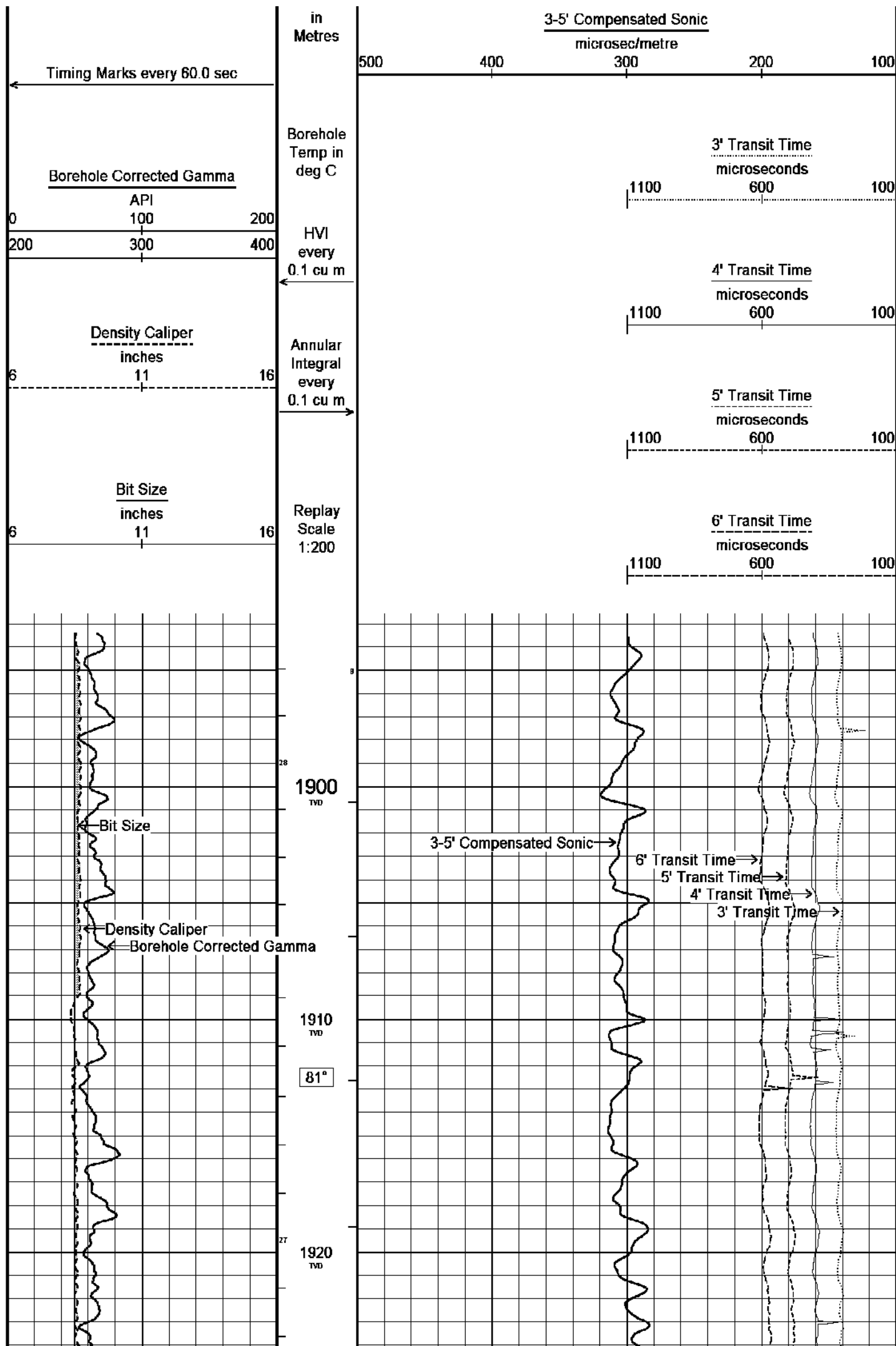
COMPENSATED SONIC 1:200 TVD

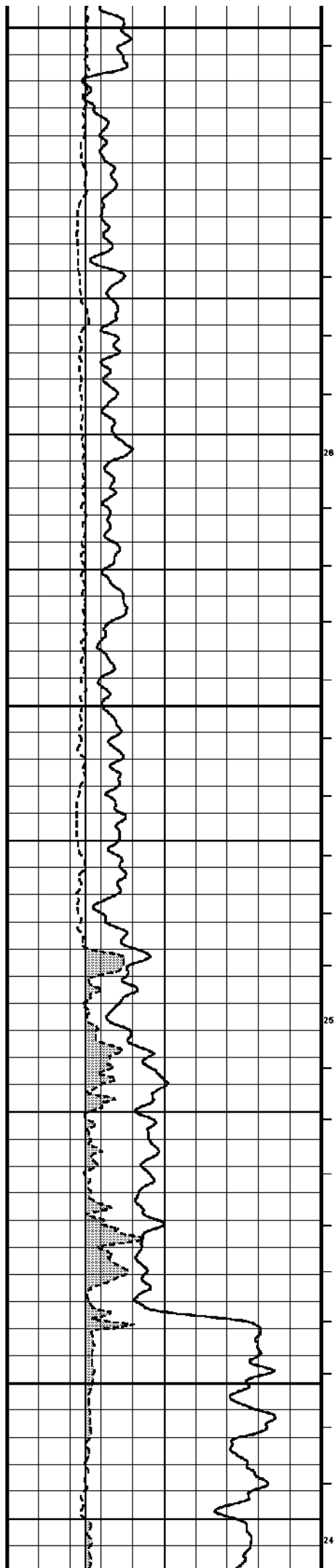
COMPANY			ESSO AUSTRALIA PTY LTD		
WELL			FLOUNDER A24A		
FIELD			GIPPSLAND BASIN		
PROVINCE/COUNTY			BASS STRAIT		
COUNTRY/STATE			AUSTRALIA		
LOCATION			5758709.11 m N, 625849.47 m E 38°18'39.233" S, 148°26'22.099" E		
LSD	SEC	TWP	RGE	Other Services PHOTO DENSITY DUAL LATEROLOG COMPENSATED NEUTRON	
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	16-MAR-2003				Elevations: KB 33.85 metres DF -93.00 metres GL metres
Run Number	1				
Depth Driller	2626.97		metres		
Depth Logger	2628.90		metres		
First Reading	2627.30		metres		
Last Reading	1893.50		metres		
Casing Driller	597.60		metres		
Casing Logger	596.20		metres		
Bit Size	8.50		Inches		
Hole Fluid Type	KC/PPH/AGLY				
Density / Viscosity	9.50 lb/USg		68.00 sec/qt		
PH / Fluid Loss	9.00		2.50 ml/30Min		
Sample Source	FLOWLINE				
Rm @ Measured Temp	0.119 @ 25.0		ohm-m		
Rmf @ Measured Temp	0.089 @ 25.0		ohm-m		
Rmc @ Measured Temp	0.119 @ 25.0		ohm-m		
Source Rmf / Rmc	PRESS		PRESS		
Rm @ BHT	0.048 @ 96.0		ohm-m		
Time Since Circulation	15hr 40min				
Max Recorded Temp	98.00		deg C		
Equipment Name	CWS/CIS				
Equipment / Base	1				
Recorded By	G. McManus, D. Woodward				W. Arnold, C. Burton
Witnessed By	G. Smith				
Circ. Stopped	22:10 15-MAR				

BOREHOLE RECORD				
Bit Size inches		Depth From metres		Depth To metres
8.510		662.60		3193.00
CASING RECORD				
Type	Size inches	Depth From metres	Shoe Depth metres	Weight pounds/ft
Conduct.	20.000	0.00	202.65	133.00
Surface	10.750	202.65	662.60	54.50
REMARKS				
DRILLING RIG: NABORS (ISDL) 453.				
COMPACT WIRELINE TOOLS LOGGED CONVENTIONALLY VIA SCHLUMBERGER WIRELINE UNIT.				
DUAL NEUTRON / PHOTO DENSITY ECCENTRALISED				
COMPENSATED SONIC / LATEROLOG FITTED WITH 1/2" STANDOFF				
BARITE CONTENT 1.65%				

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.

MAIN LOG 1:200	
Depth Based Data - Maximum Sampling Increment 10.0cm	Plotted on 16-MAY-2003 13:12
Filename: C:\FLA A24A\FLA_A24A_Main_Log.dta	Recorded on 16-MAR-2003 13:38
System Configuration Dates: Logged 23-OCT-2002: Processed 23-OCT-2002: Plotted 23-OCT-2002:	
TVD	





1930
TVD

81°

1940
TVD

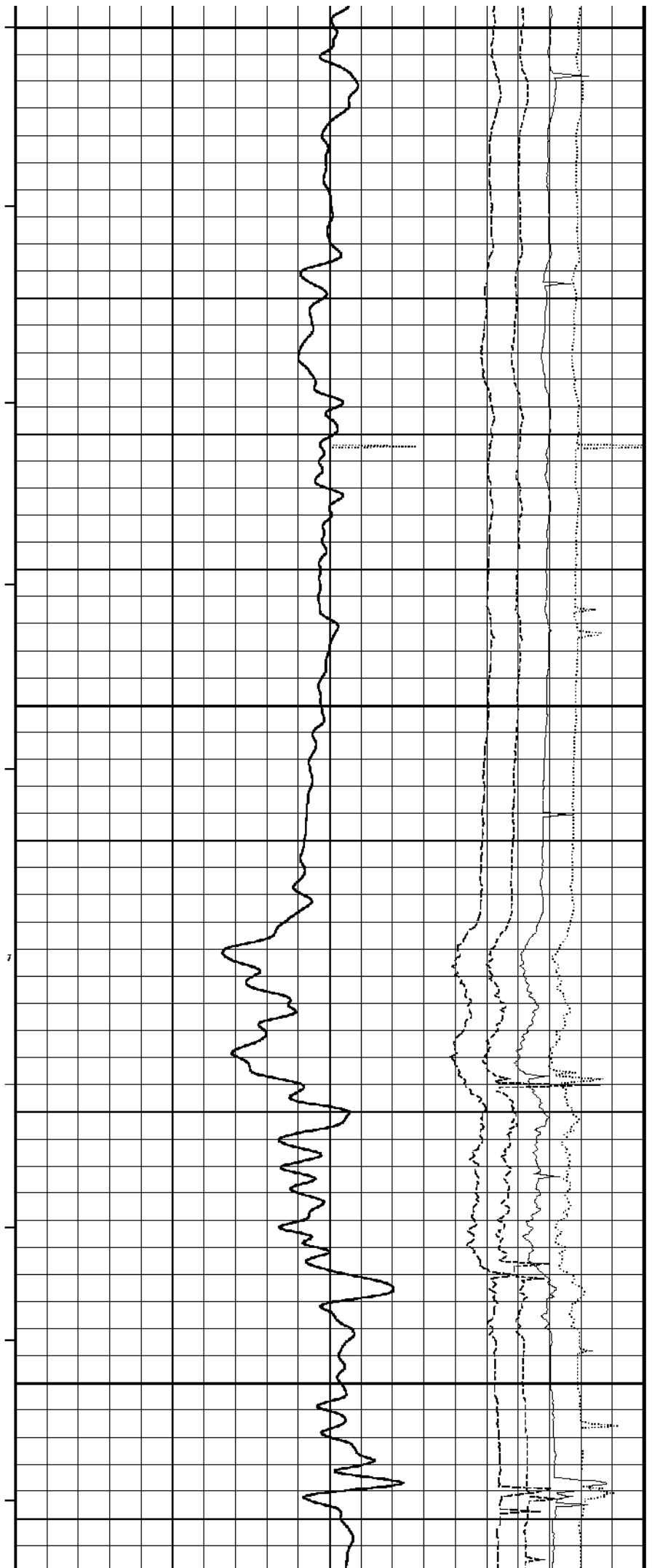
1950
TVD

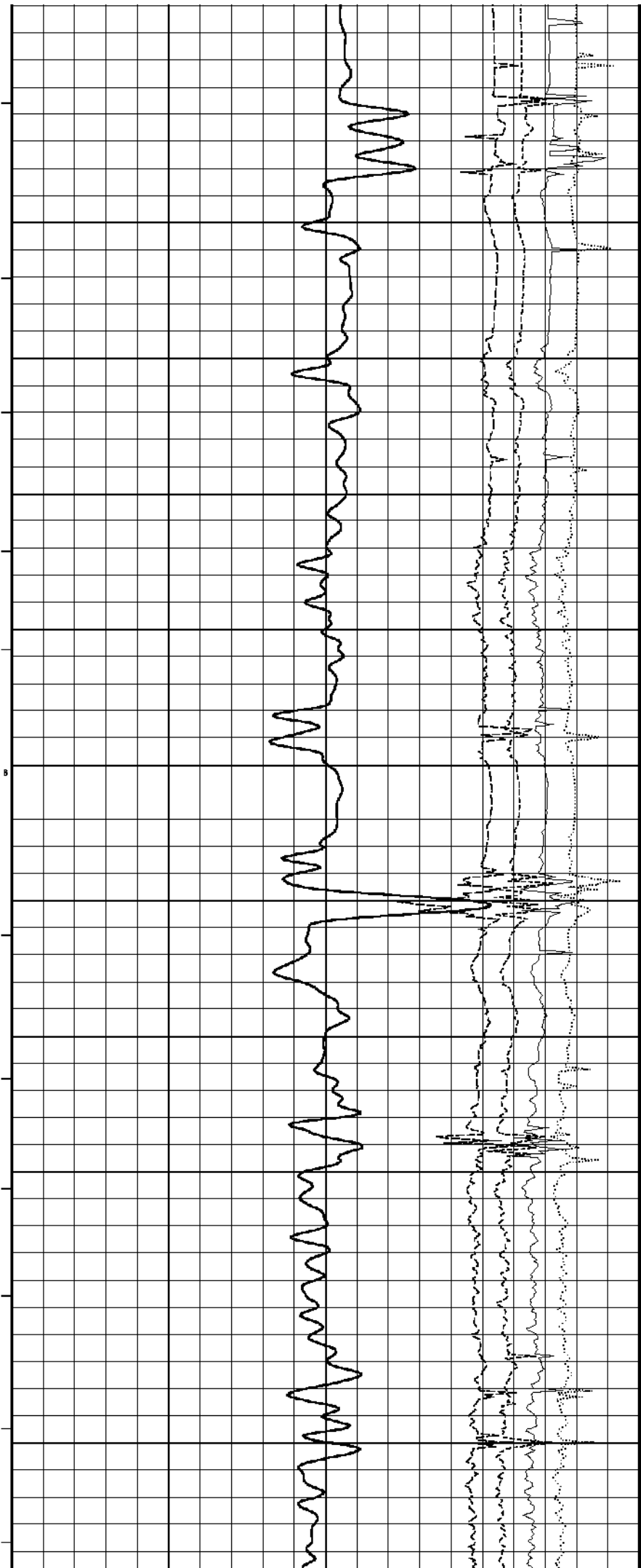
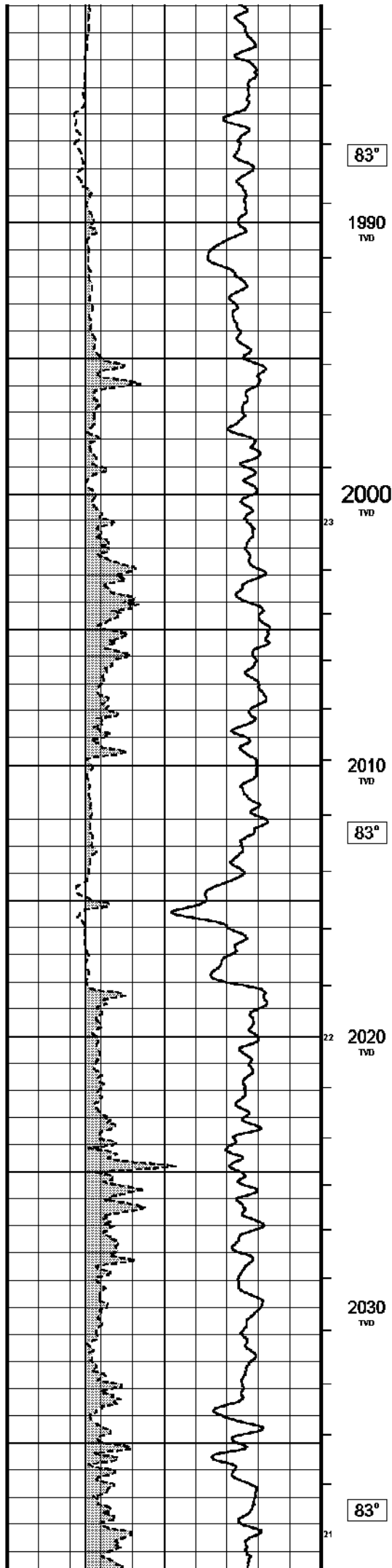
1960
TVD

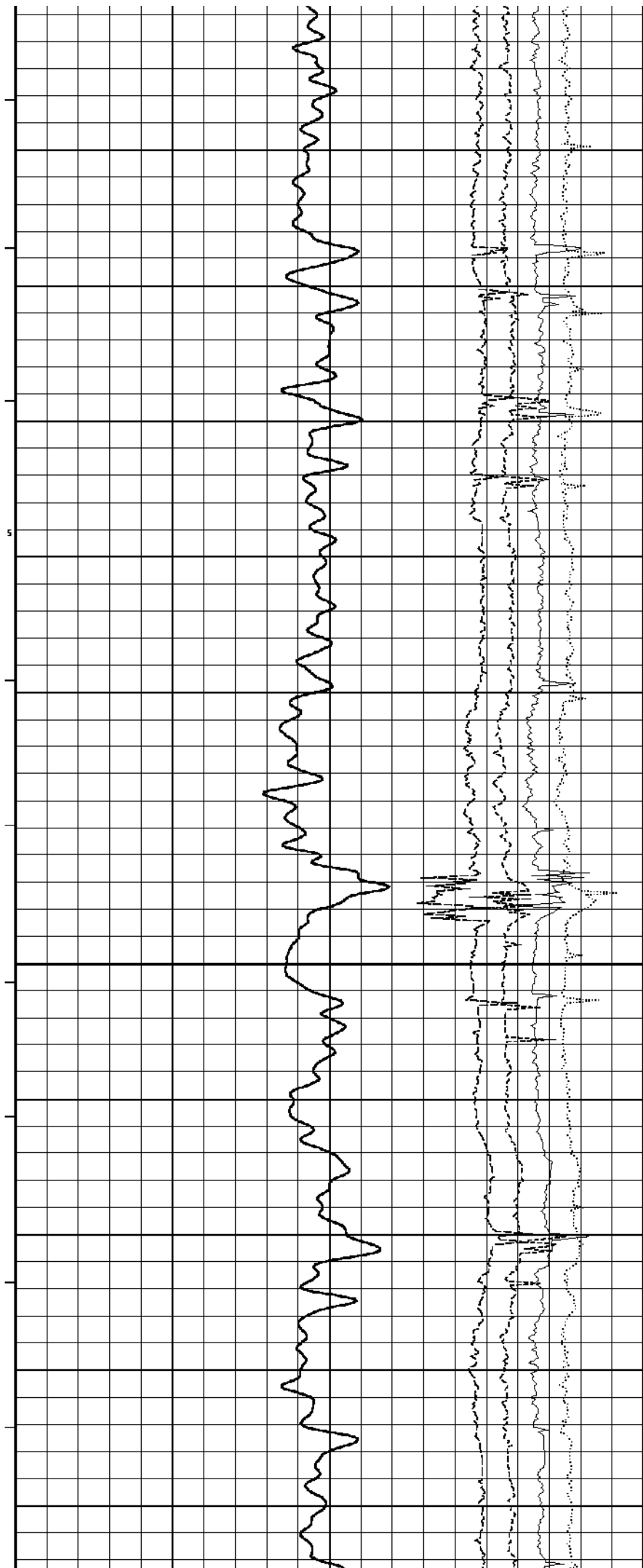
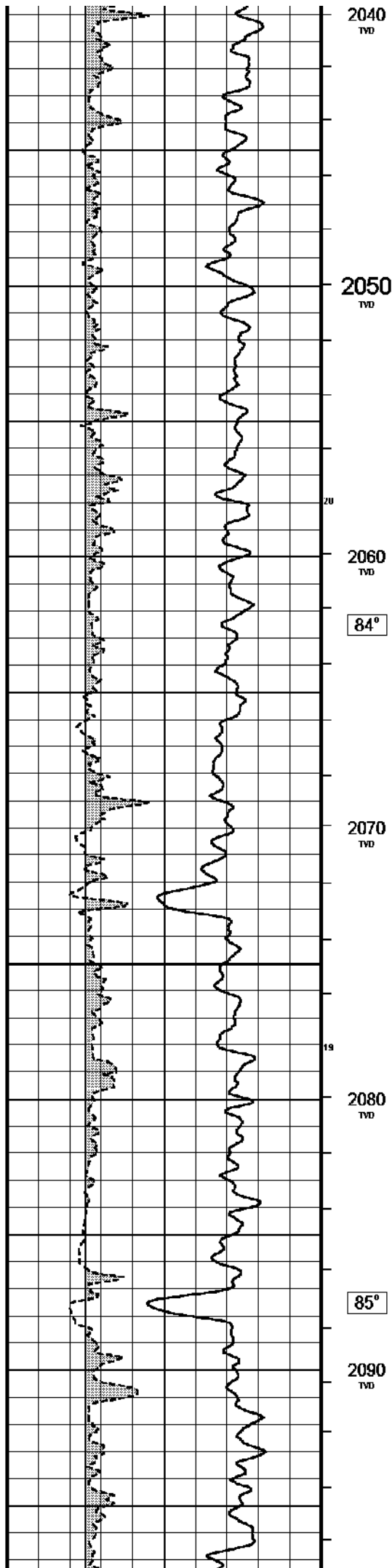
82°

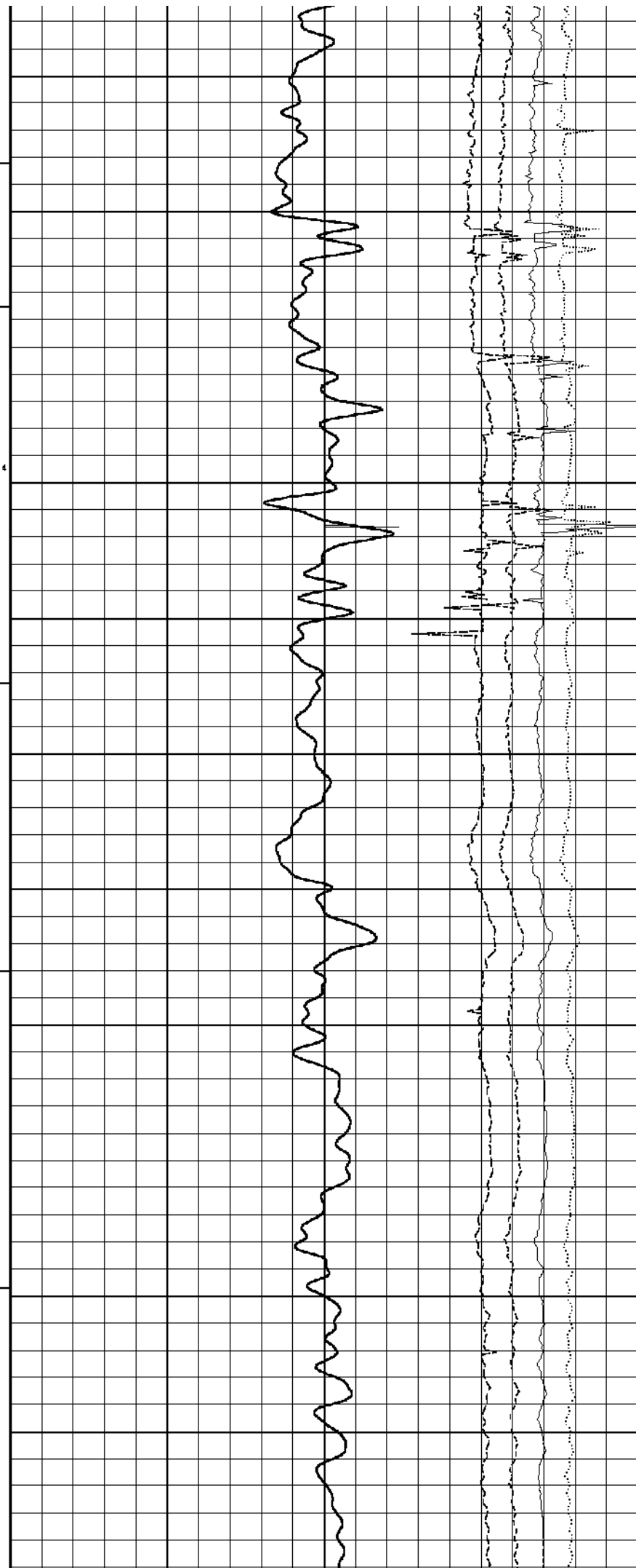
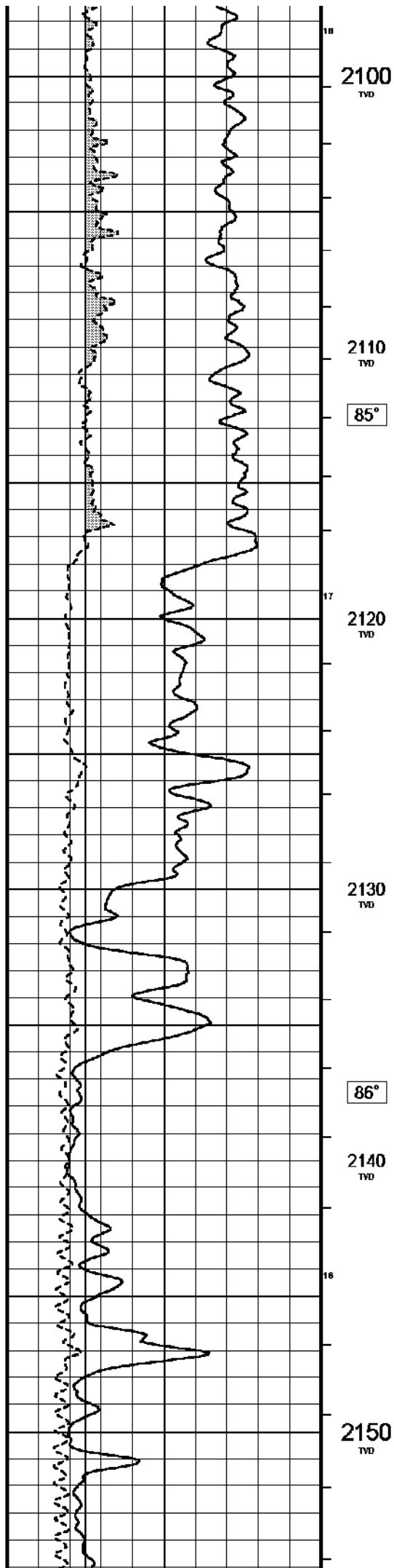
1970
TVD

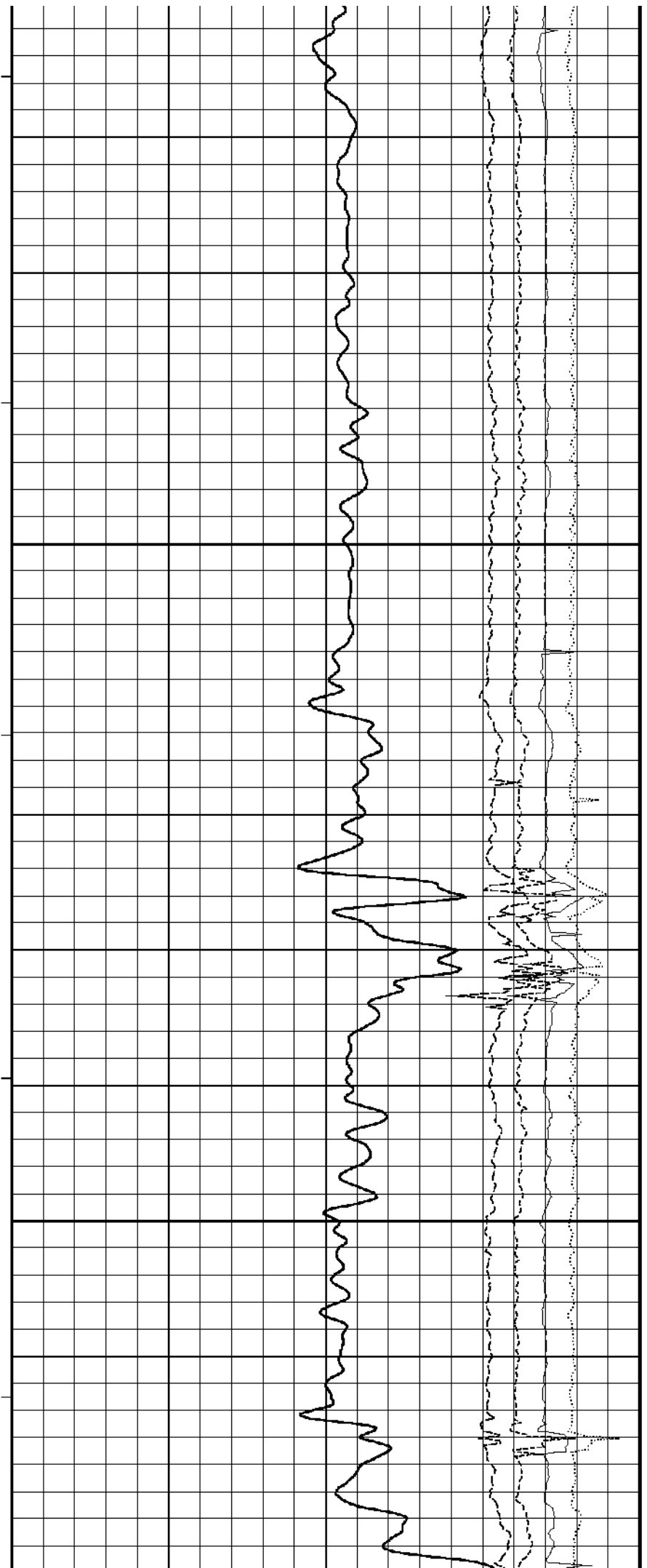
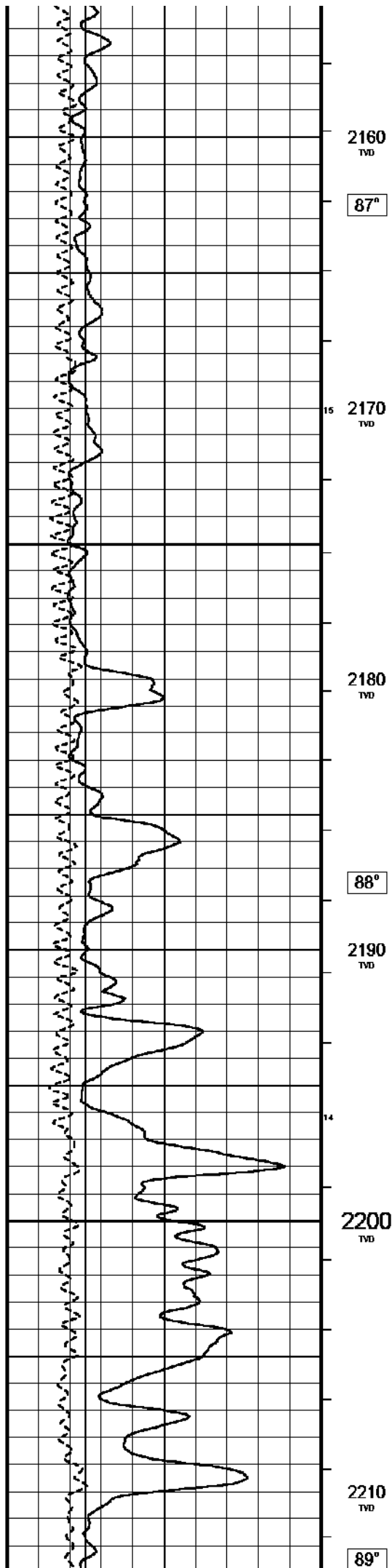
1980
TVD

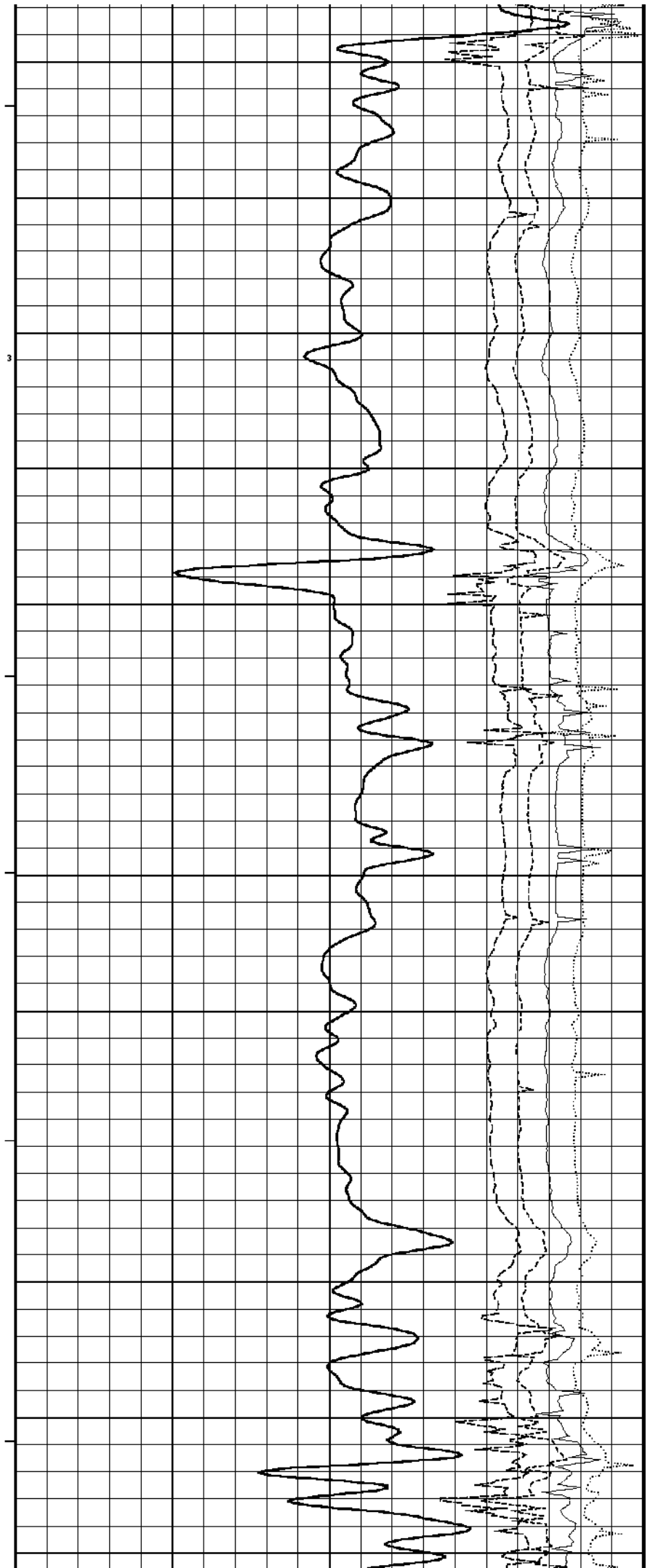
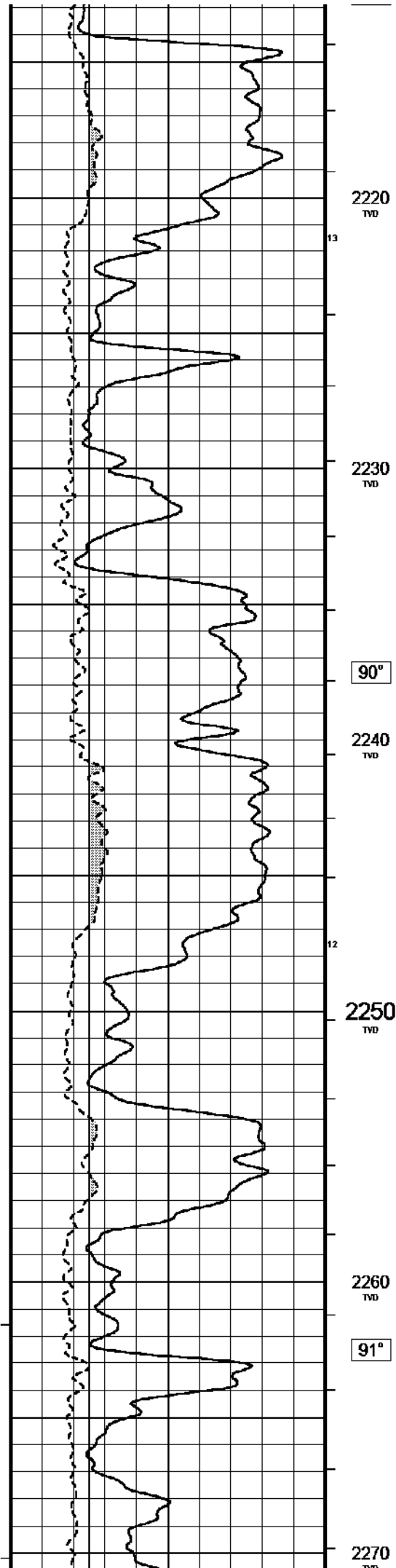


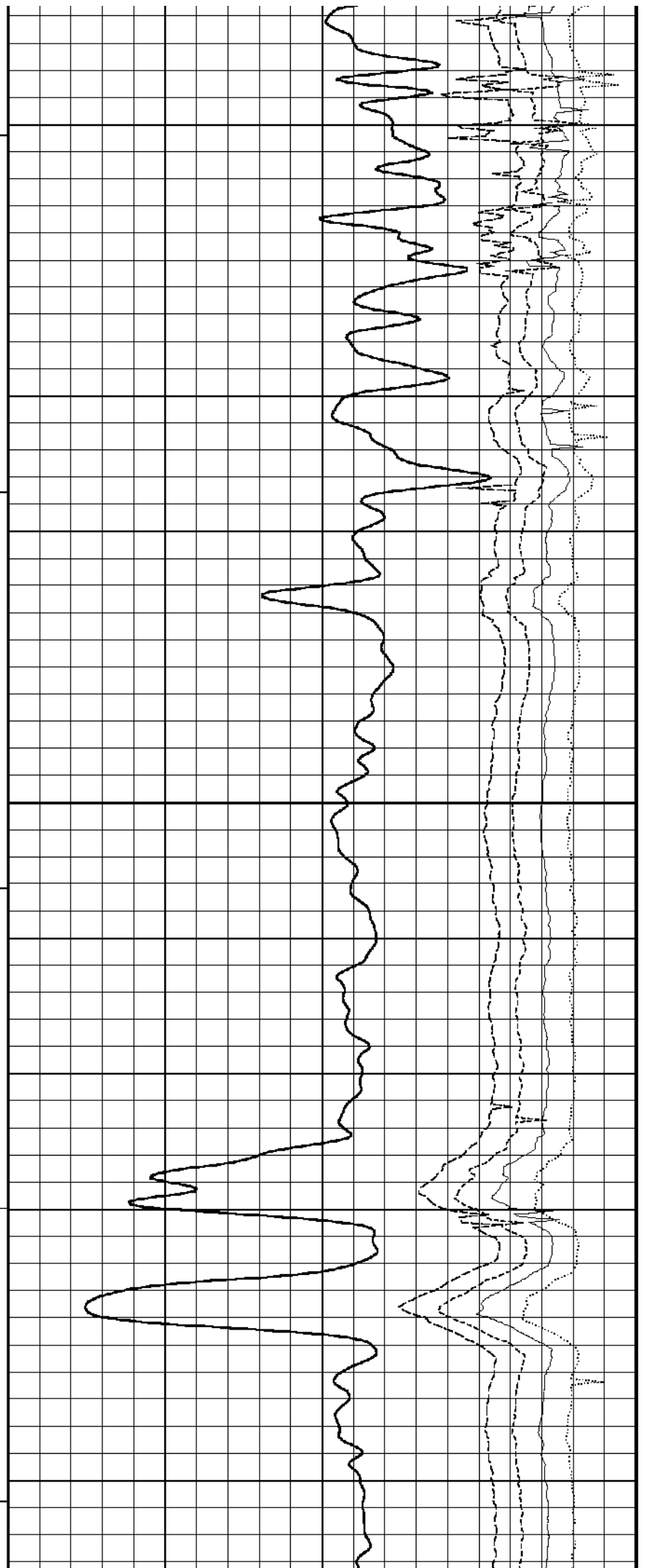
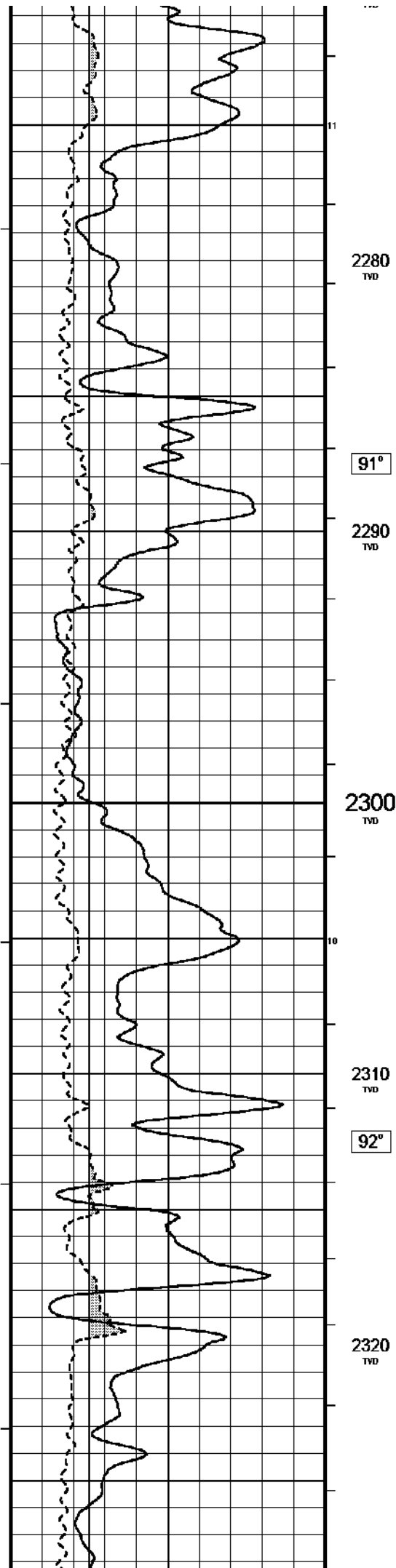


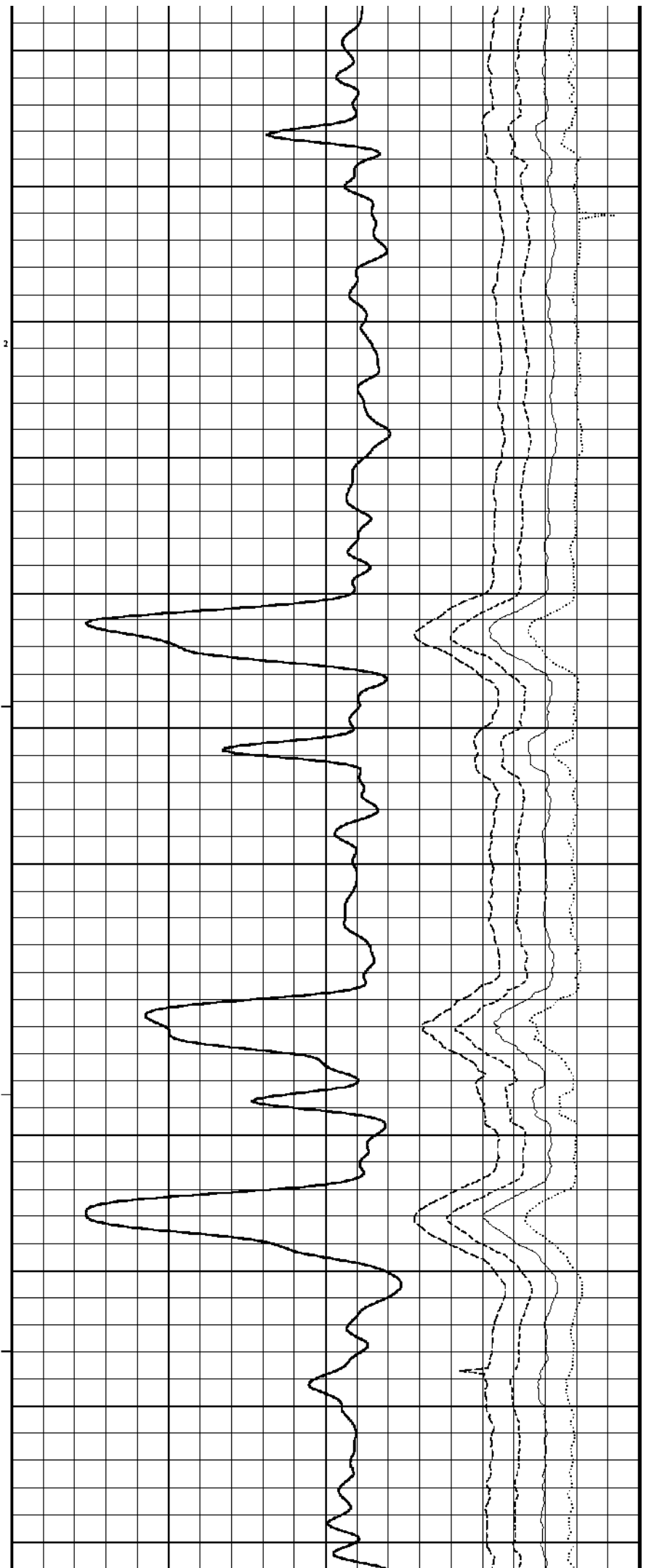
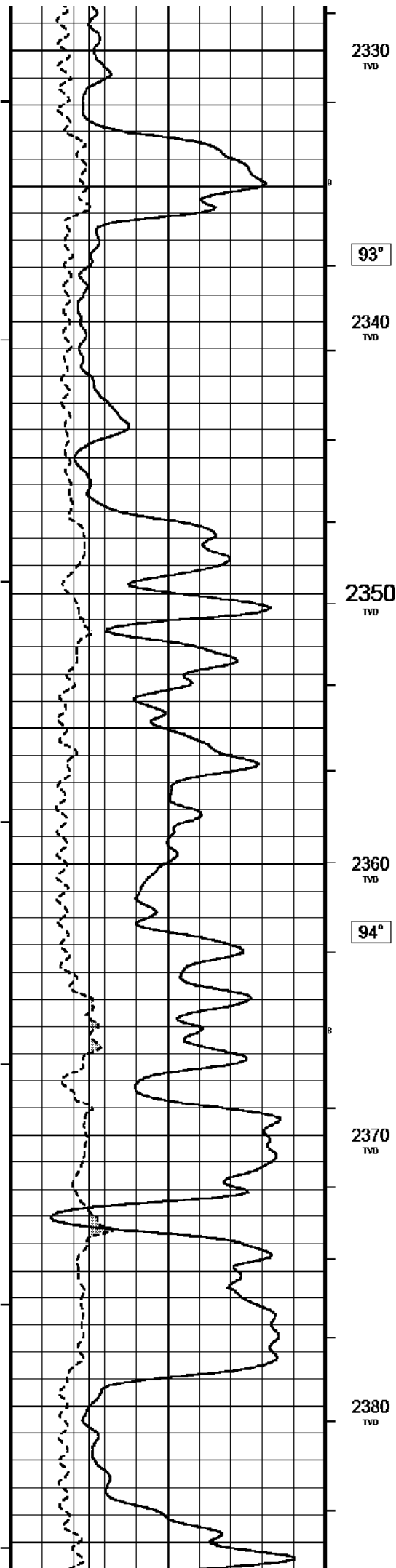


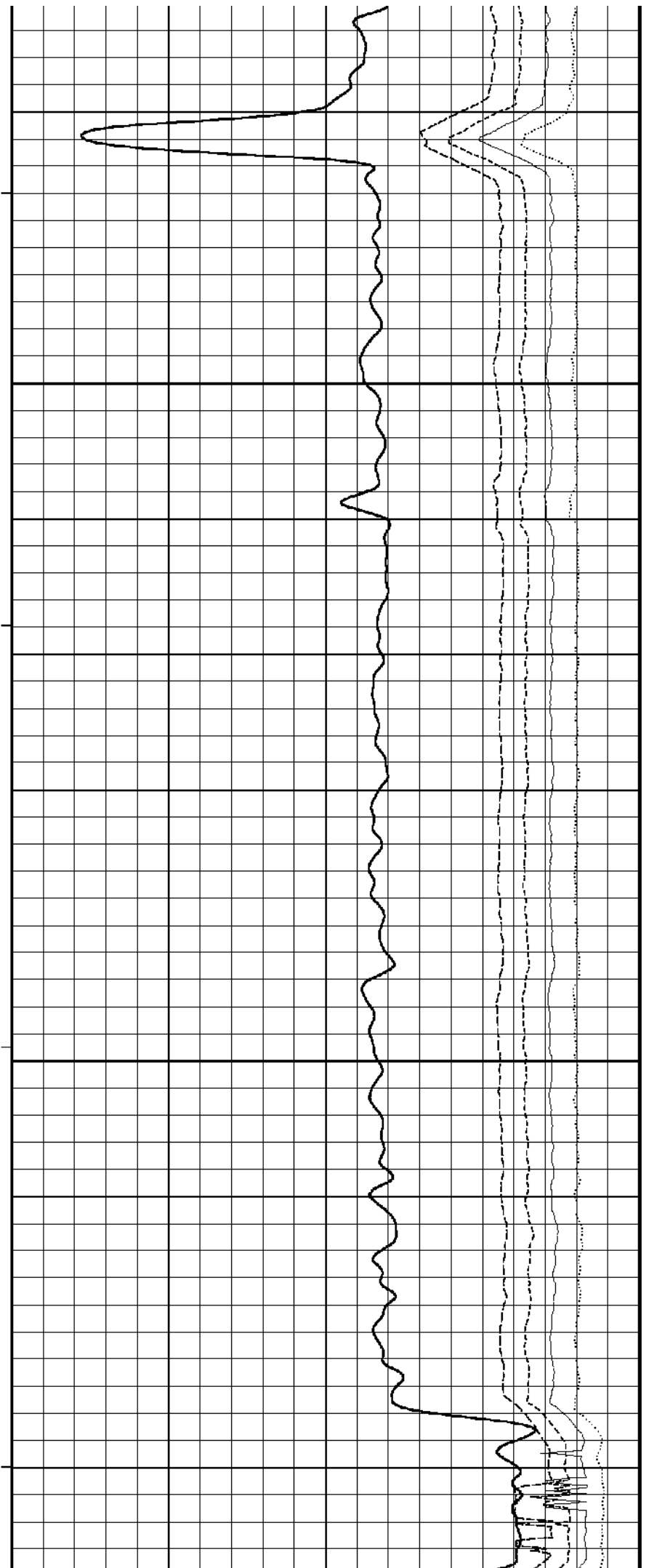
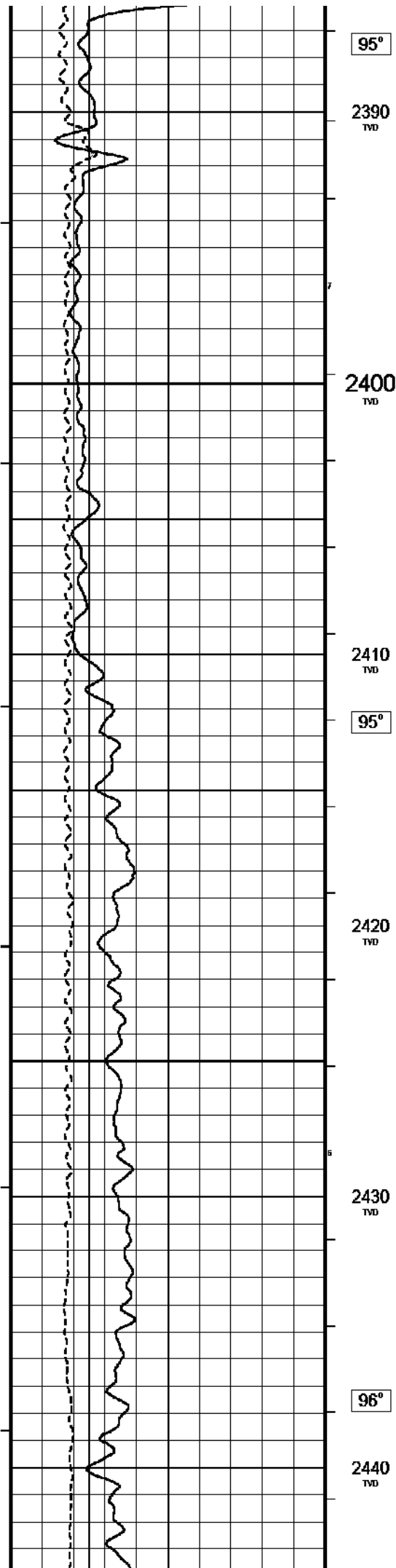


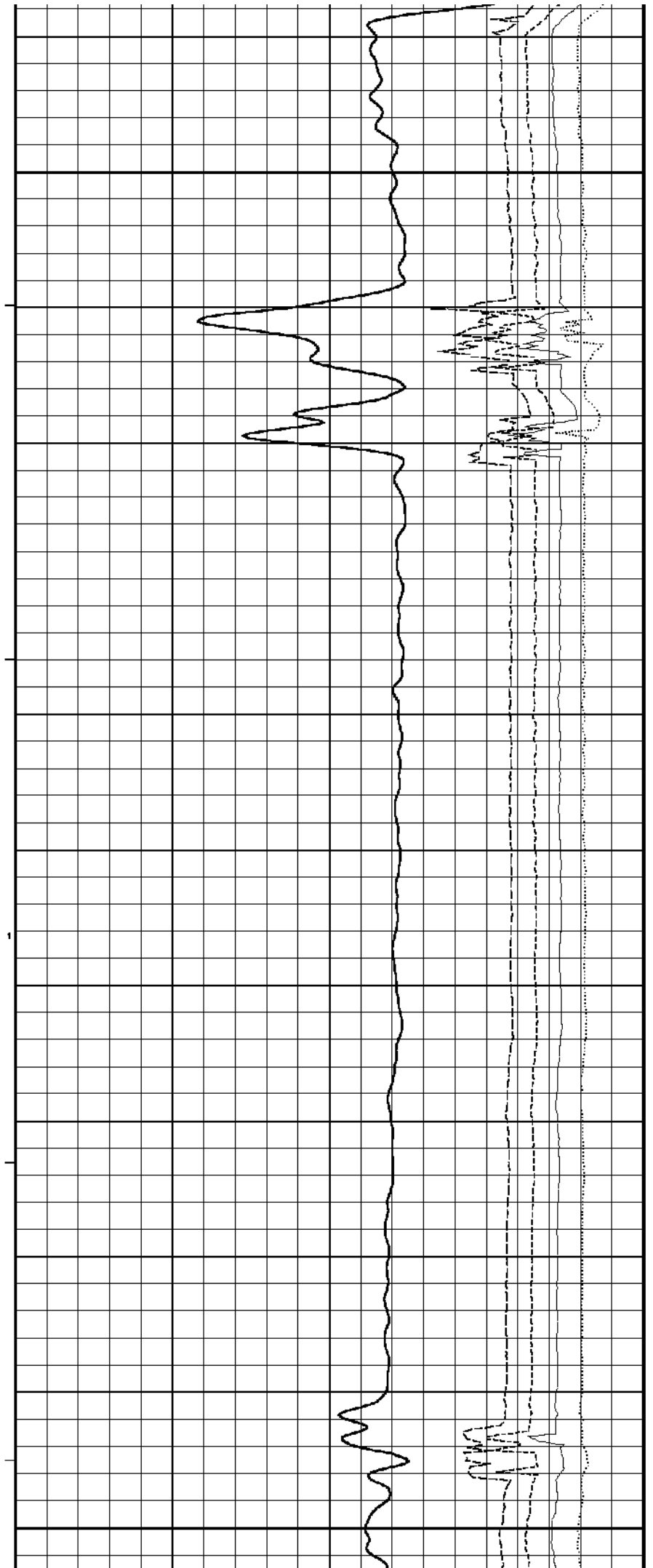
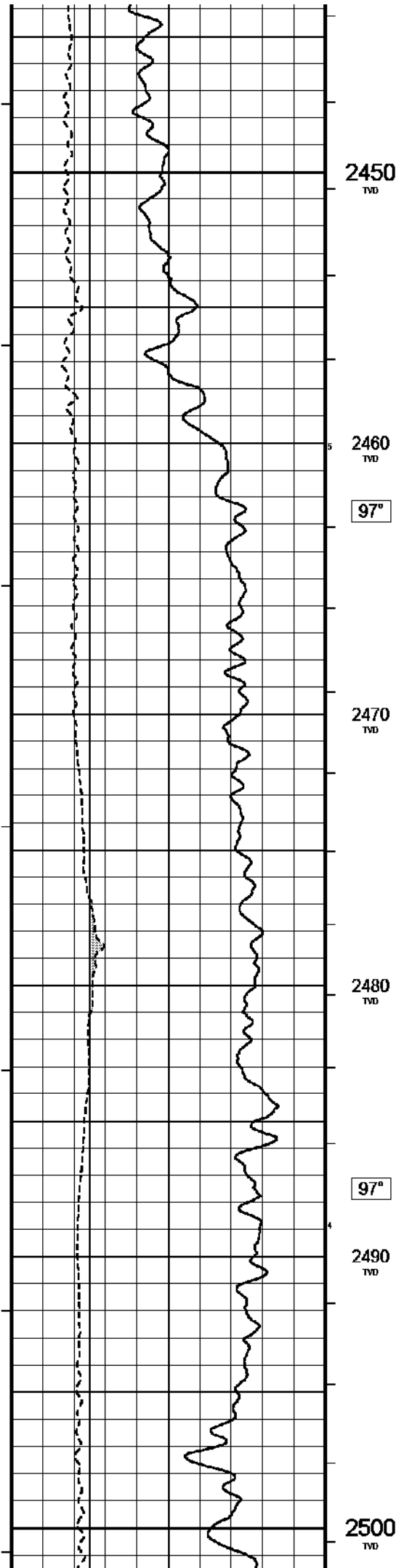


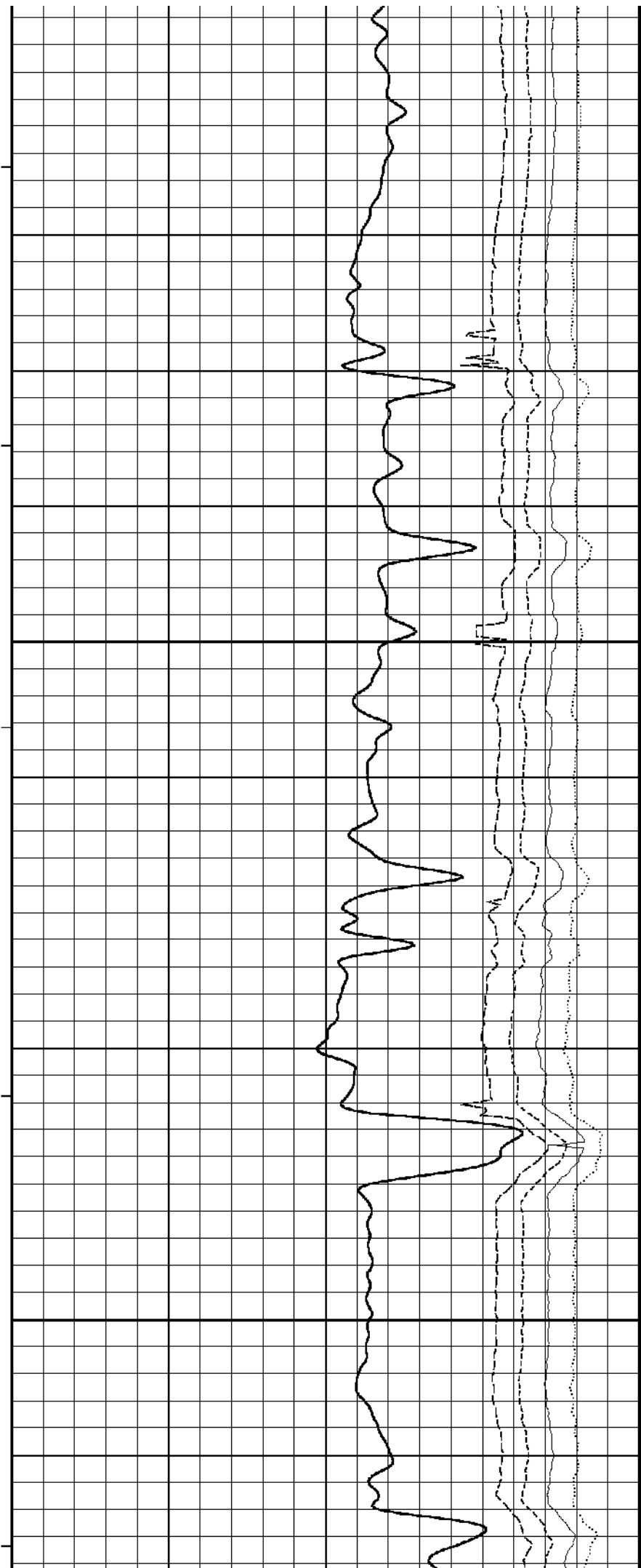
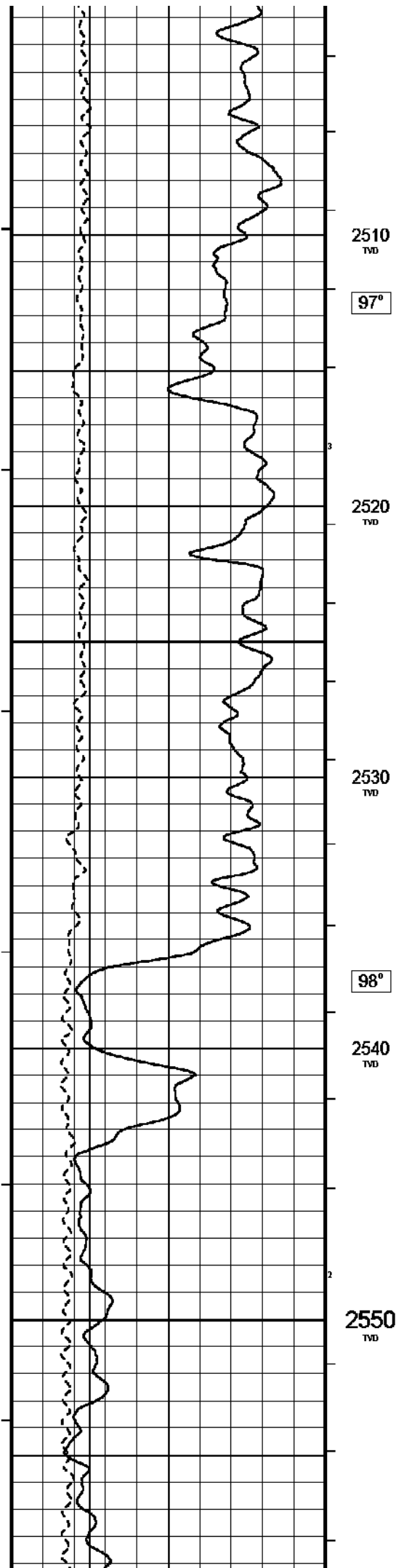


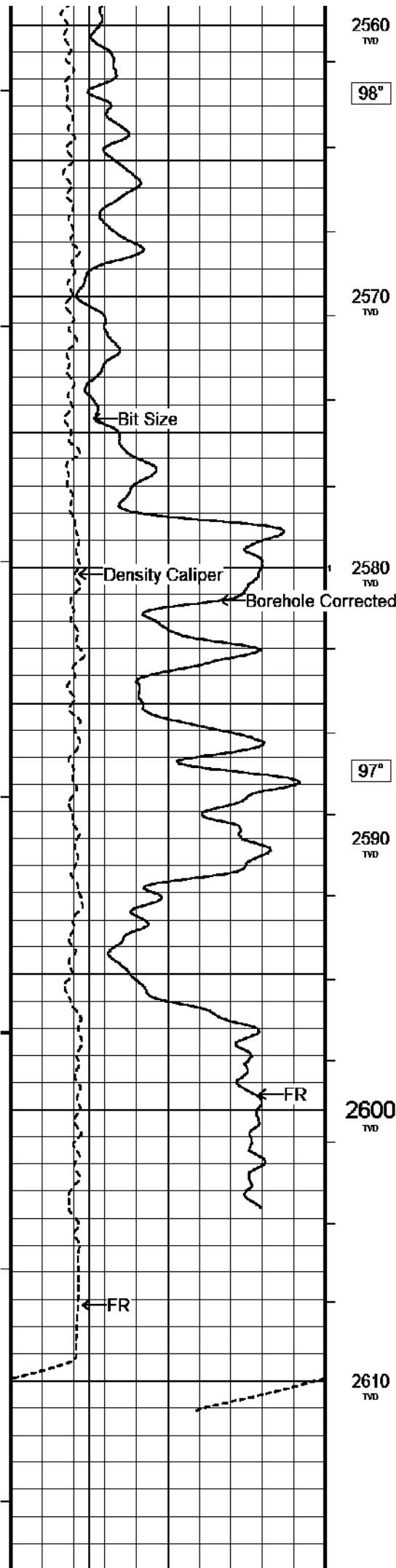












2560
TVD

98°

2570
TVD

Bit Size

Density Caliper

Borehole Corrected Gamma

2580
TVD

97°

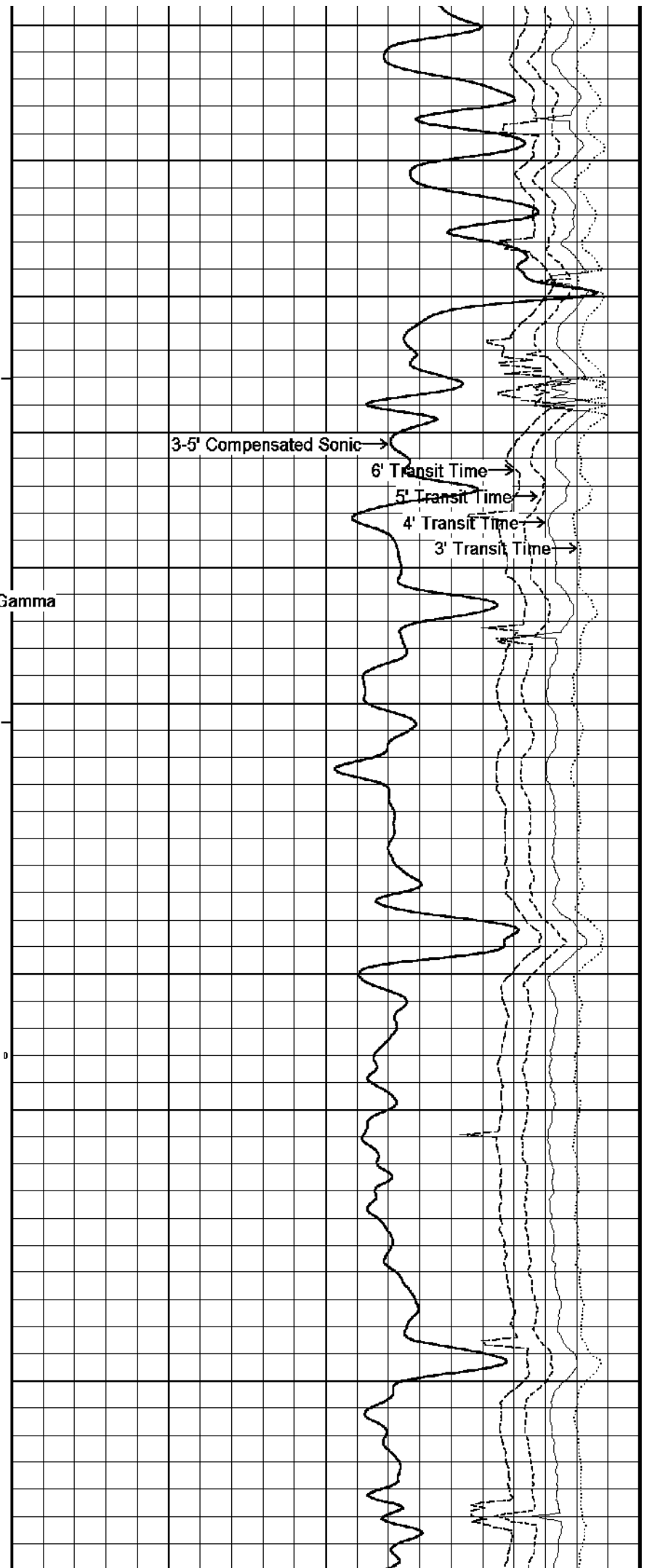
2590
TVD

FR

2600
TVD

FR

2610
TVD



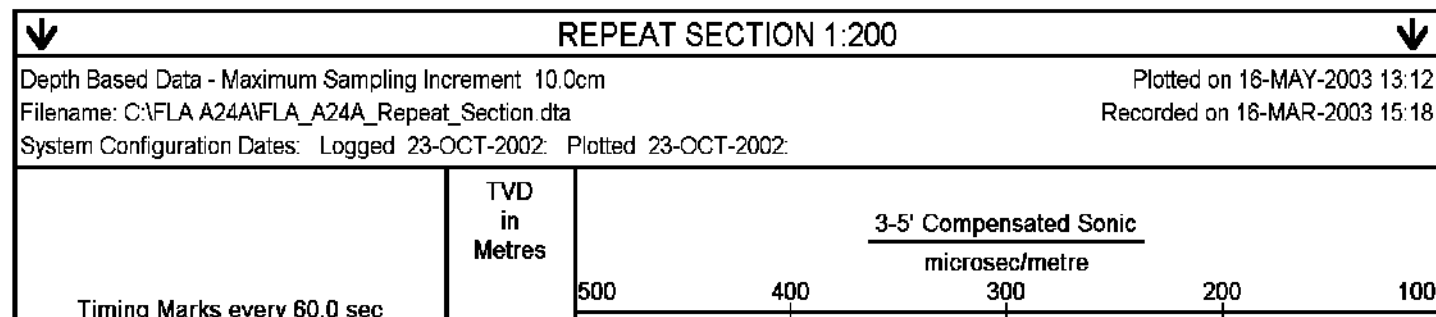
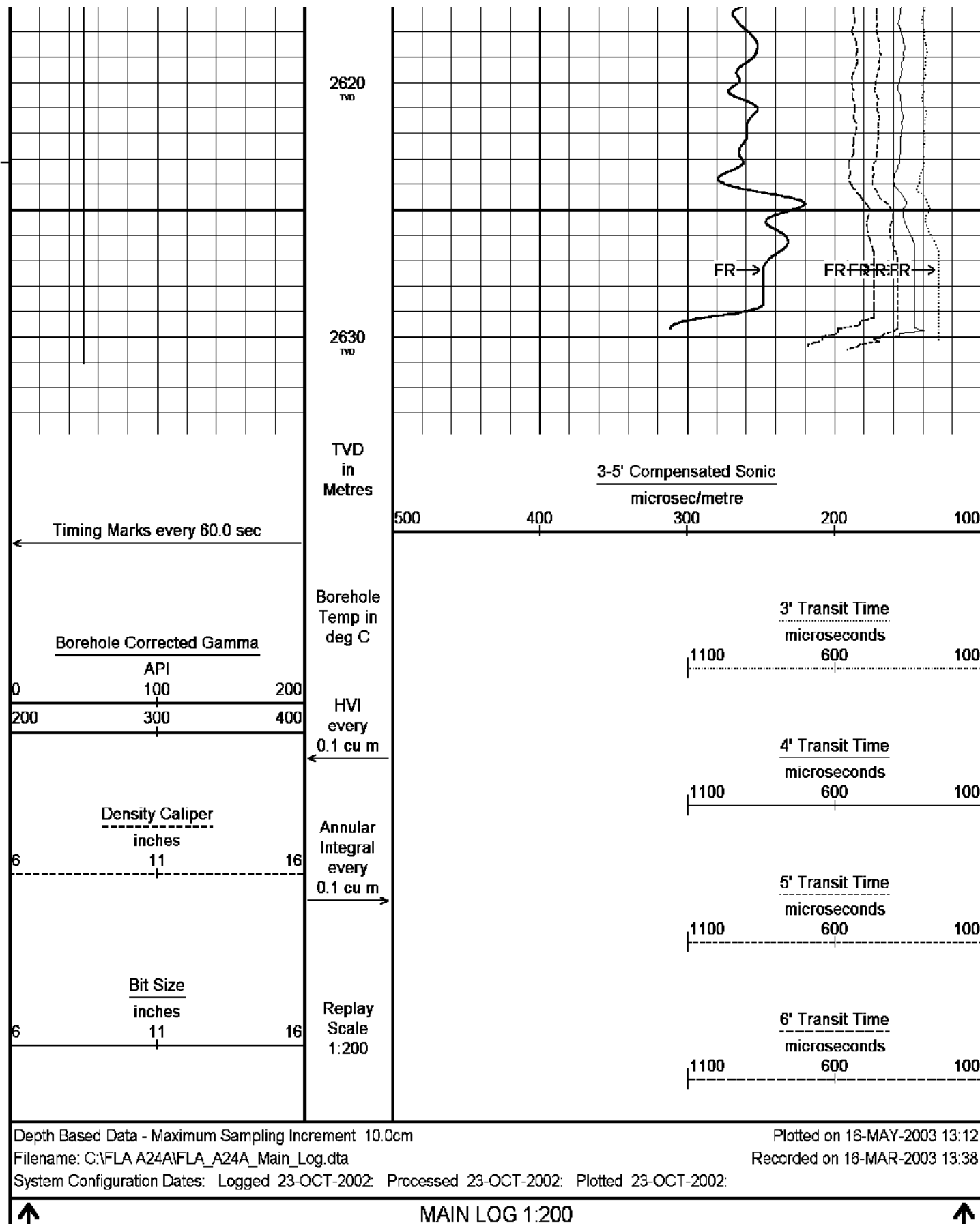
3-5' Compensated Sonic

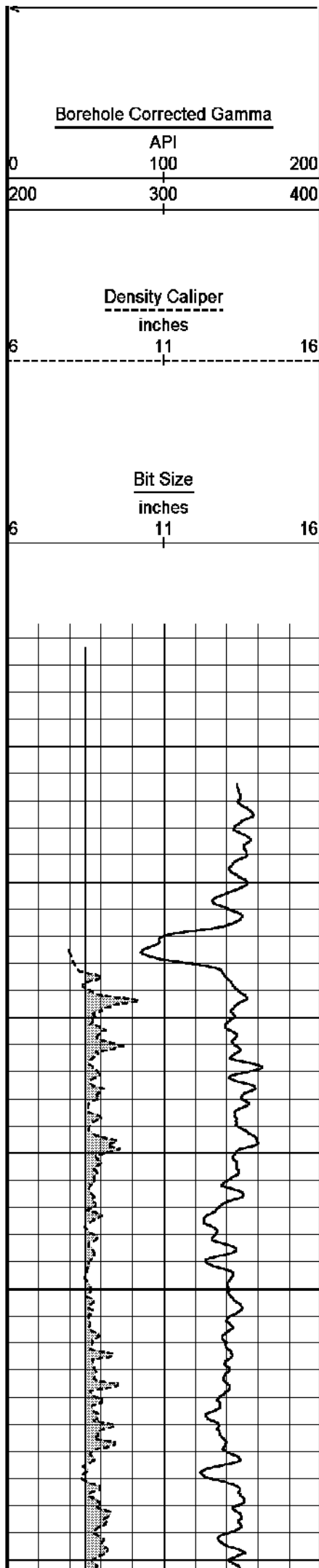
6' Transit Time

5' Transit Time

4' Transit Time

3' Transit Time





Borehole
Temp in
deg C

HVI
every
0.1 cu m

Annular
Integral
every
0.1 cu m

Replay
Scale
1:200

2080
TVD

85°

2090
TVD

2100
TVD

2110

3' Transit Time
microseconds

1100 600 100

4' Transit Time
microseconds

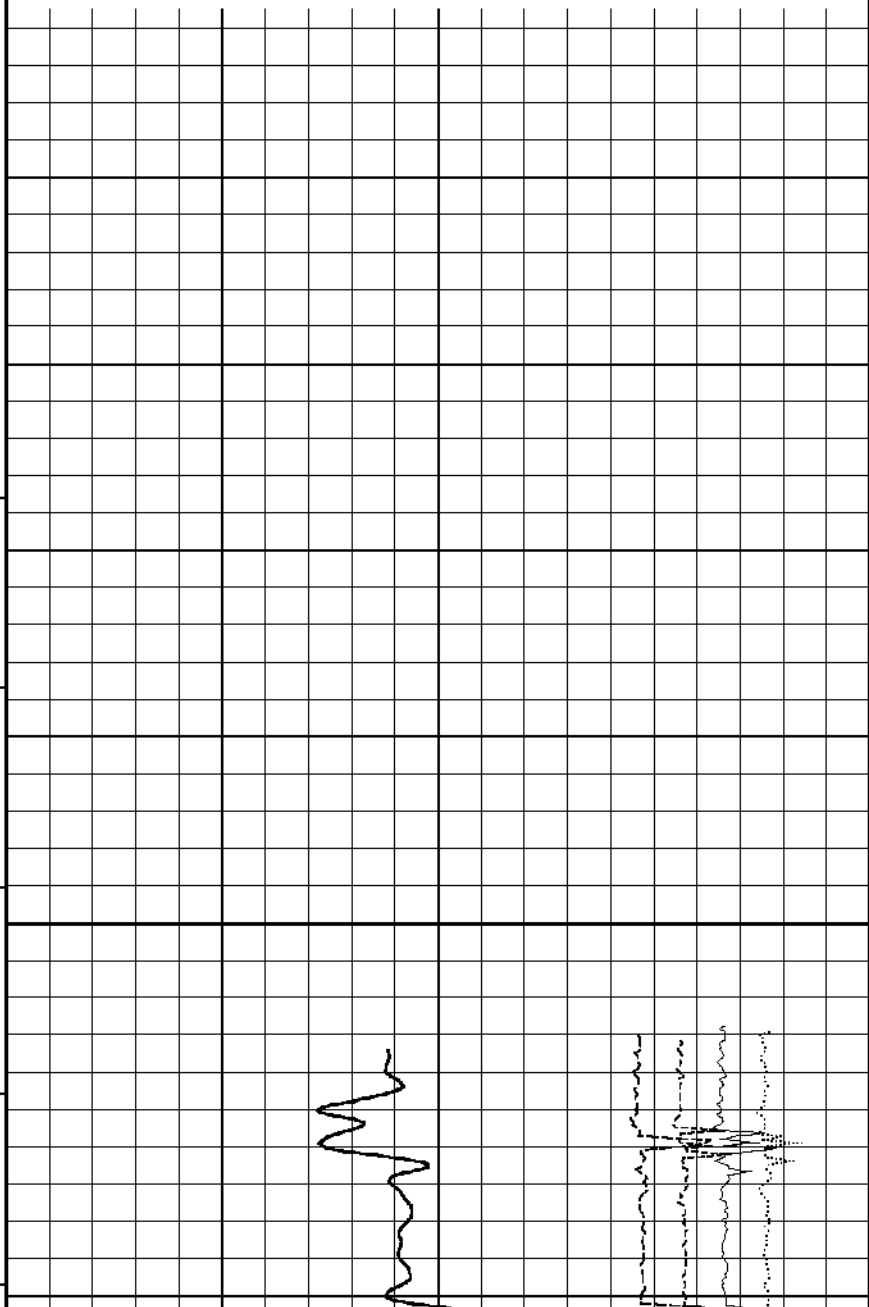
1100 600 100

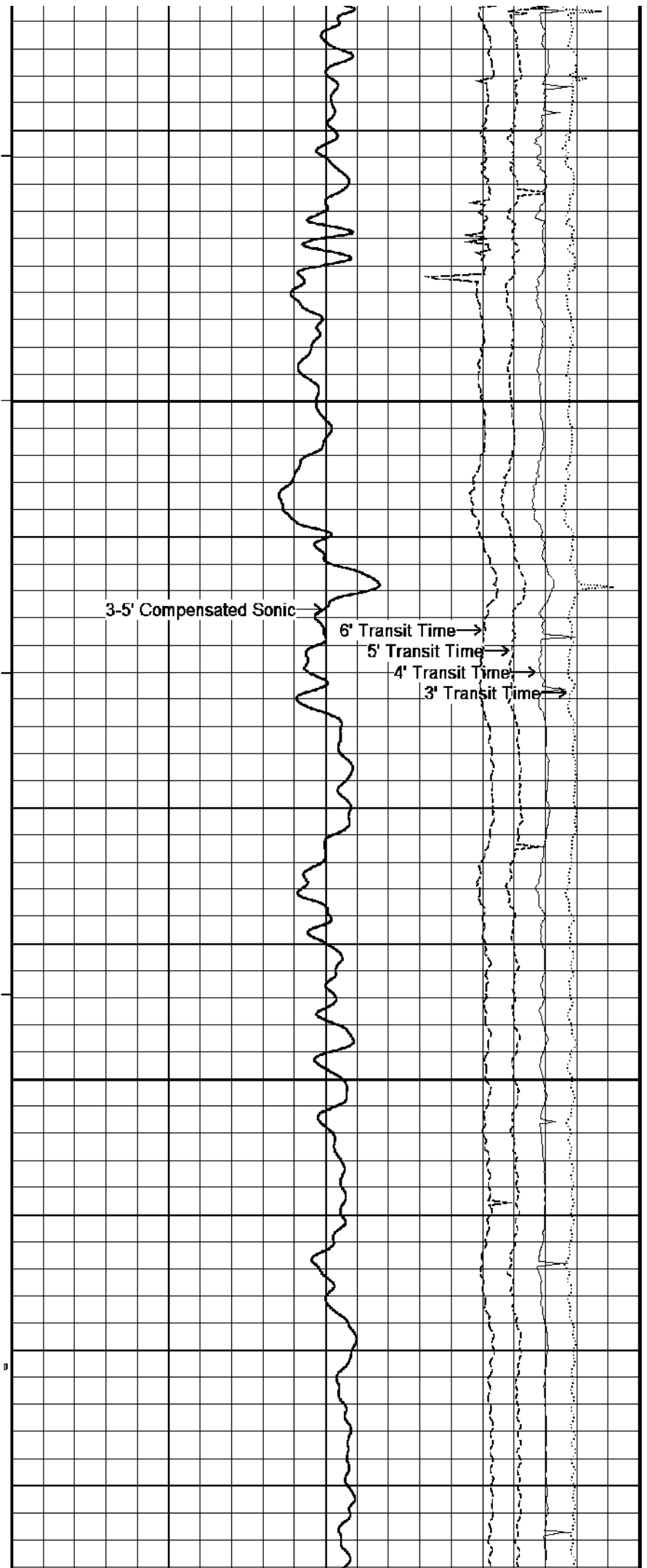
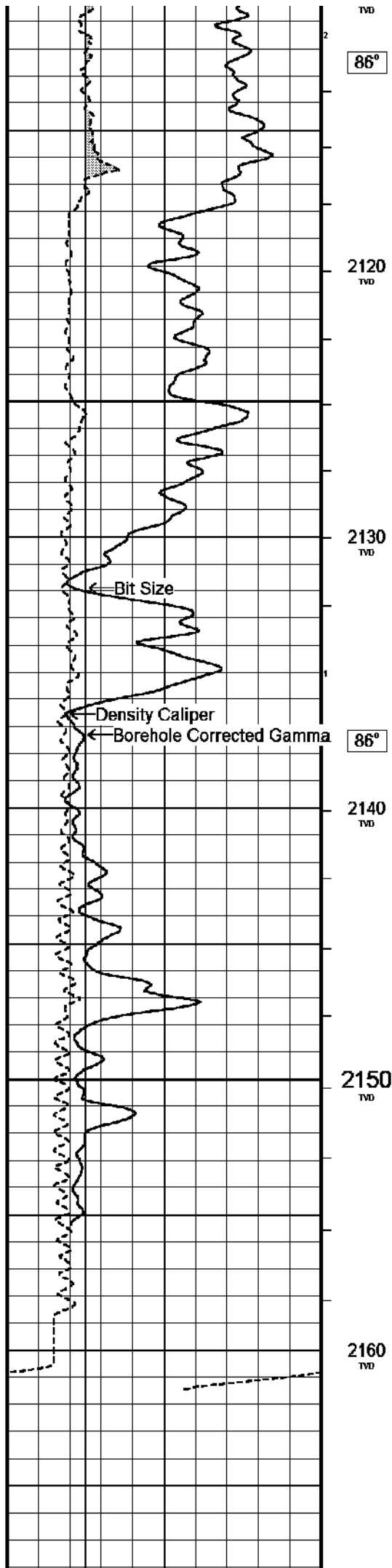
5' Transit Time
microseconds

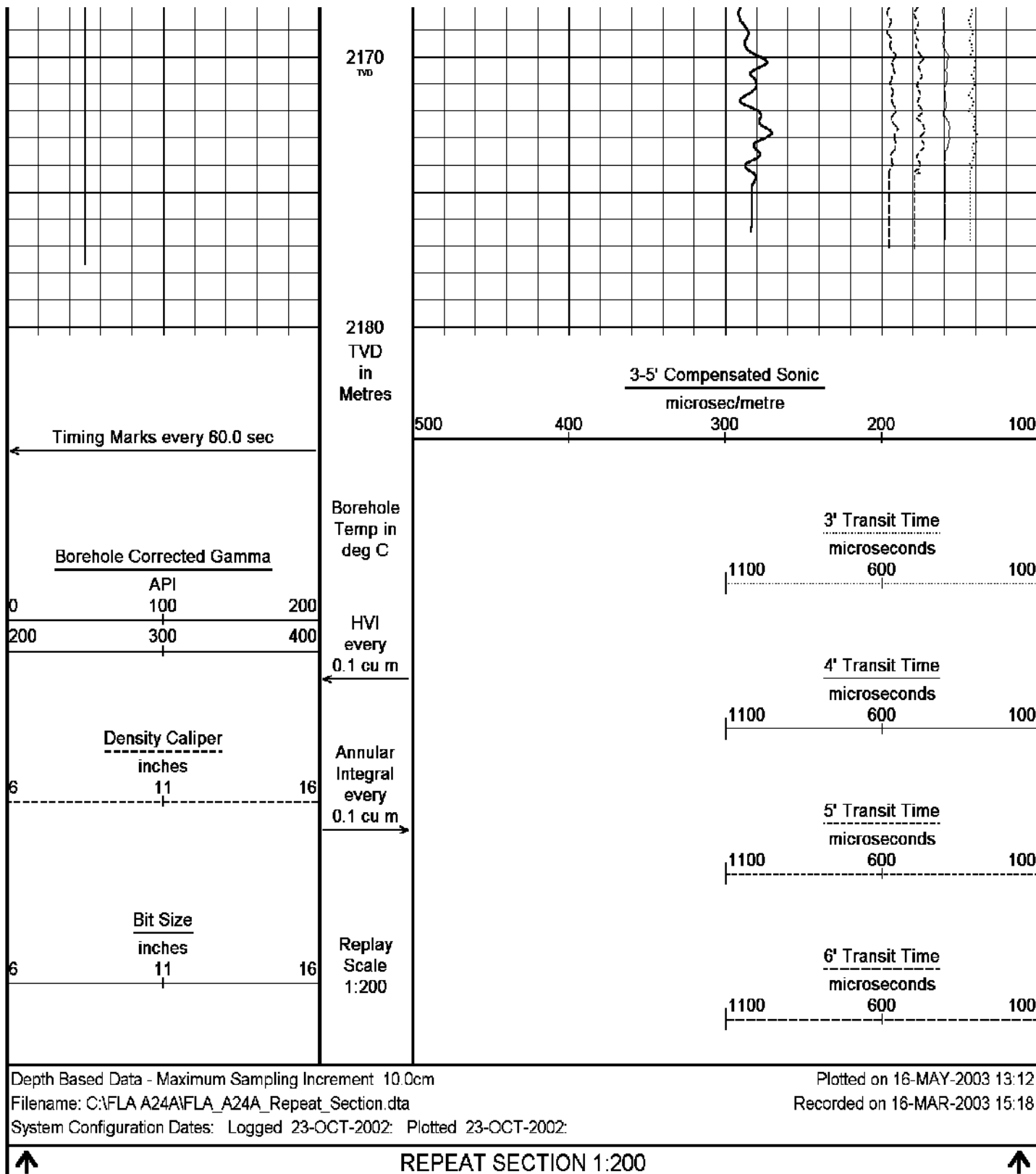
1100 600 100

6' Transit Time
microseconds

1100 600 100







BEFORE SURVEY CALIBRATION

C:\FLA A24A\FLA_A24A_Main_Log.dta

General Constants All 000

General Parameters

Mud Resistivity	0.12	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	None	
Annular Volume Diameter	7.00	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			
Gamma Calibration MCG 044				
Field Calibration on 14-MAR-2003 09:40				
	Measured	Calibrated (API)		
Background	16	10		
Calibrator (Gross)	1435	919		
Calibrator (Net)	1419	909		
Gamma Constants MCG 044				
Gamma Calibrator Number	060			
Mud Density	1.14	gm/cc		
Caliper Source for Processing	Density Caliper			
Tool Position	Eccentred			
Concentration of KCl	0.00	kppm		
High Resolution Temperature Calibration MCG 044				
Field Calibration on 4-SEP-2002,14:58				
	Measured	Calibrated(Deg C)		
Lower	1.00	1.00		
Upper	150.00	150.00		
High Resolution Temperature Constants MCG 044				
Pre-filter Length	11			
Caliper Calibration MPD 067				
Base Calibration on 19-FEB-2003,13:48				
Field Calibration on 14-MAR-2003 03:53				
Base Calibration				
Reading No	Measured	Calibrator Size (in)		
1	14847	4.01		
2	24400	5.99		
3	34321	7.98		
4	44338	9.94		
5	55648	12.01		
6	N/A	N/A		
Field Calibration				
	Measured Caliper (in)	Actual Caliper (in)		
	7.98	7.98		
Sonic Constants MSS 028				
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		
Full Waveform Parameters				
Use derived TR for 3' Waveform	N/A			
Use derived TR for 4' Waveform	N/A			

Use derived TR for 3' 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.

Compact Inline Standoff B

MIS 52 Length: 0.65 m

Weight: 15.43 lb

Compact Stiff Bridle Electrode Sub.

MBE 9 Length: 3.76 m

Weight: 94.80 lb

Compact Inline Standoff B

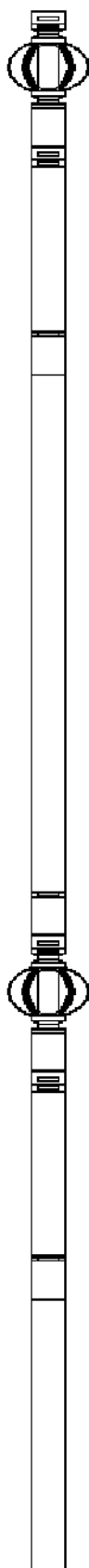
MIS 77 Length: 0.65 m

Weight: 15.43 lb

Compact Stiff Bridle Electrode Sub.

MBE 5 Length: 3.76 m

Weight: 94.80 lb



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

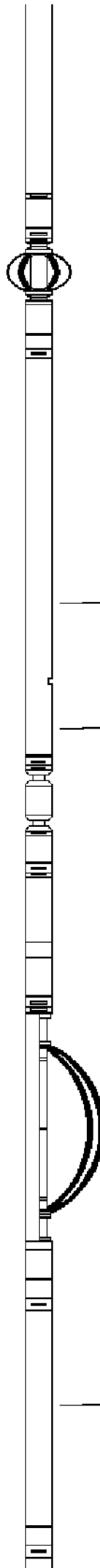
Compact Gamma
MCG 44 Length: 2.65 m Weight: 63.93 lb

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 69 Length: 1.53 m Weight: 50.71 lb



27.98 m GRGC - Gamma Ray

27.09 m CGXT - MCG External Temperature

22.88 m NPRL - Limestone Neutron Por.

Compact Density/Caliper

Compact Density Caliper
MPD 67 Length: 2.92 m Weight: 90.39 lb

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

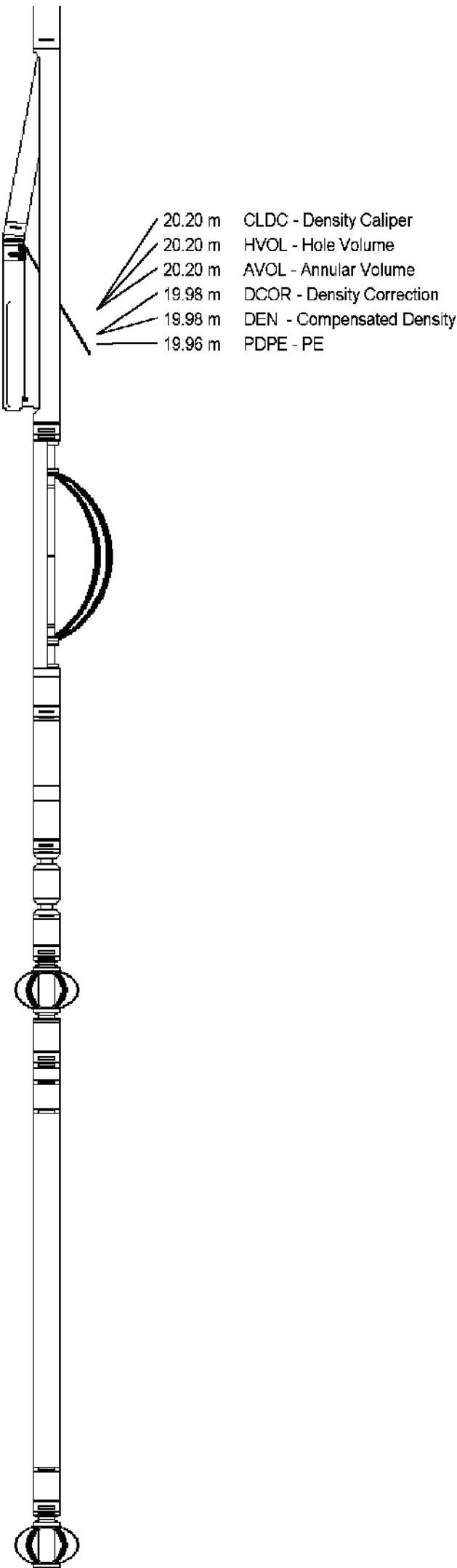
Compact Swivel Head Adaptor
SHA 28 Length: 0.83 m Weight: 26.46 lb

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

Compact Inline Standoff B
MIS 53 Length: 0.65 m Weight: 15.43 lb

Compact Upper Guard Sub.
MUG 17 Length: 2.74 m Weight: 68.34 lb

Compact Inline Standoff B
MIS 49 Length: 0.65 m Weight: 15.43 lb



MIS 15 Length: 3.76 m Weight: 92.59 lb

Compact Laterolog Electrode Sub.
MLE 15 Length: 3.76 m Weight: 92.59 lb

10.06 m DSL - Shallow Laterolog
10.06 m DLL - Deep Laterolog

Compact Inline Standoff B
MIS 76 Length: 0.65 m Weight: 15.43 lb

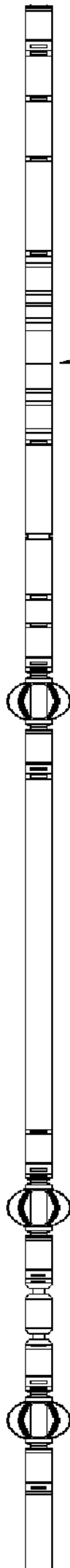
Compact Lower Guard Sub.
MLG 7 Length: 2.44 m Weight: 55.12 lb

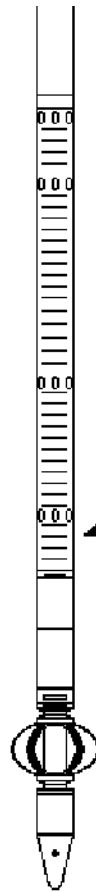
Compact Inline Standoff B
MIS 73 Length: 0.65 m Weight: 15.43 lb

Compact Knuckle Joint
SKJ 48 Length: 0.66 m Weight: 24.25 lb

Compact Inline Standoff B
MIS 75 Length: 0.65 m Weight: 15.43 lb

Compact Sonic
MSS 28 Length: 3.82 m Weight: 72.75 lb





Compact Inline Standoff B
MIS 30 Length: 0.65 m

Weight: 15.43 lb

Compact Hole Finder
HFS 1 Length: 0.24 m

Weight: 2.20 lb

Total Length: 40.60 m

Total Weight: 1016.33 lb

COMPANY	ESSO AUSTRALIA PTY LTD
WELL	FLOUNDER A24A
FIELD	GIPPSLAND BASIN
PROVINCE/COUNTY	BASS STRAIT
COUNTRY/STATE	AUSTRALIA

Elevation Kelly Bushing	metres	First Reading	2627.30	metres	
Elevation Drill Floor	33.85	metres	Depth Driller	2626.97	metres
Elevation Ground Level	-93.00	metres	Depth Logger	2628.90	metres

Reeves

COMPENSATED SONIC
1:200 TVD