

# Reeves

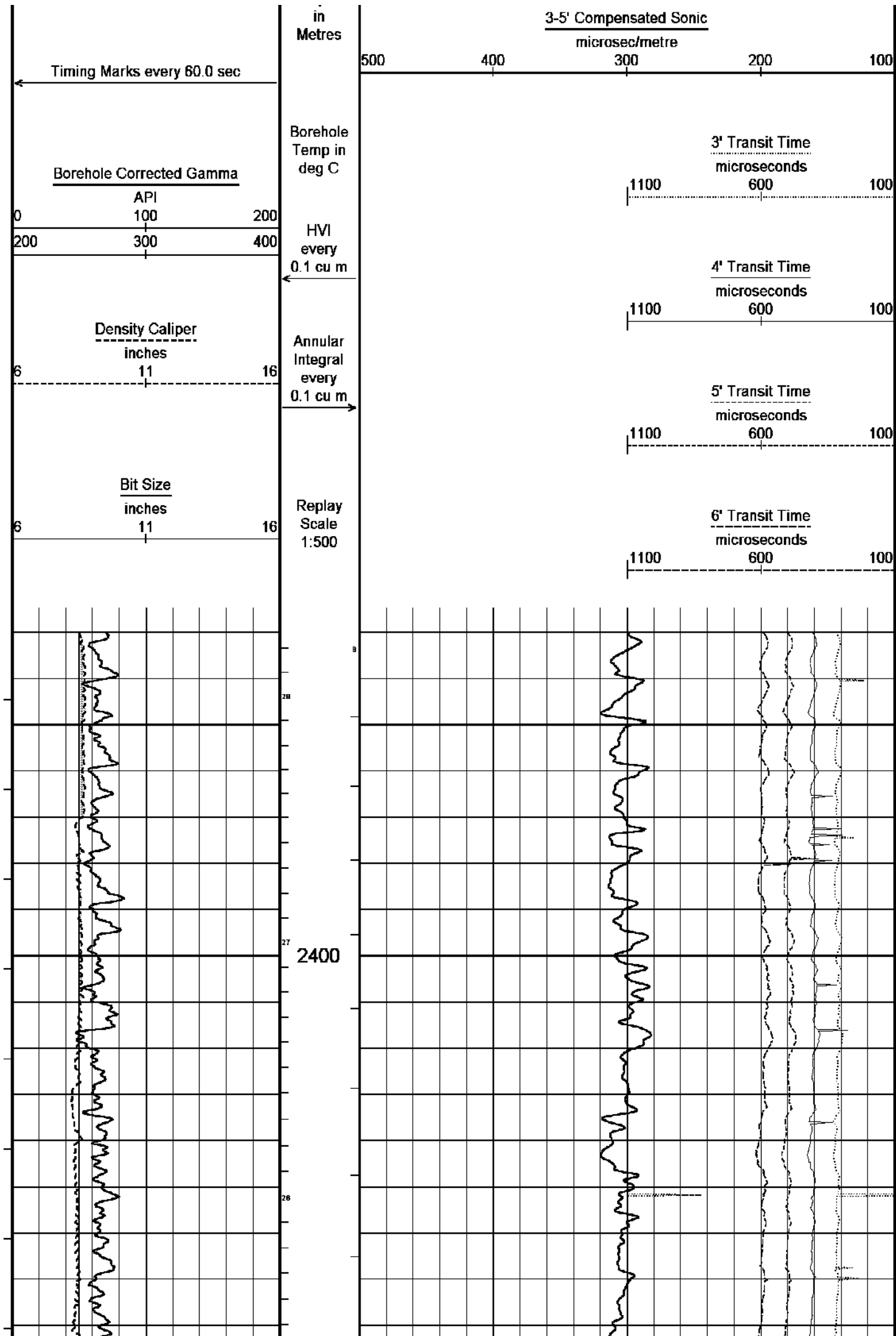
## COMPENSATED SONIC 1:500 MD

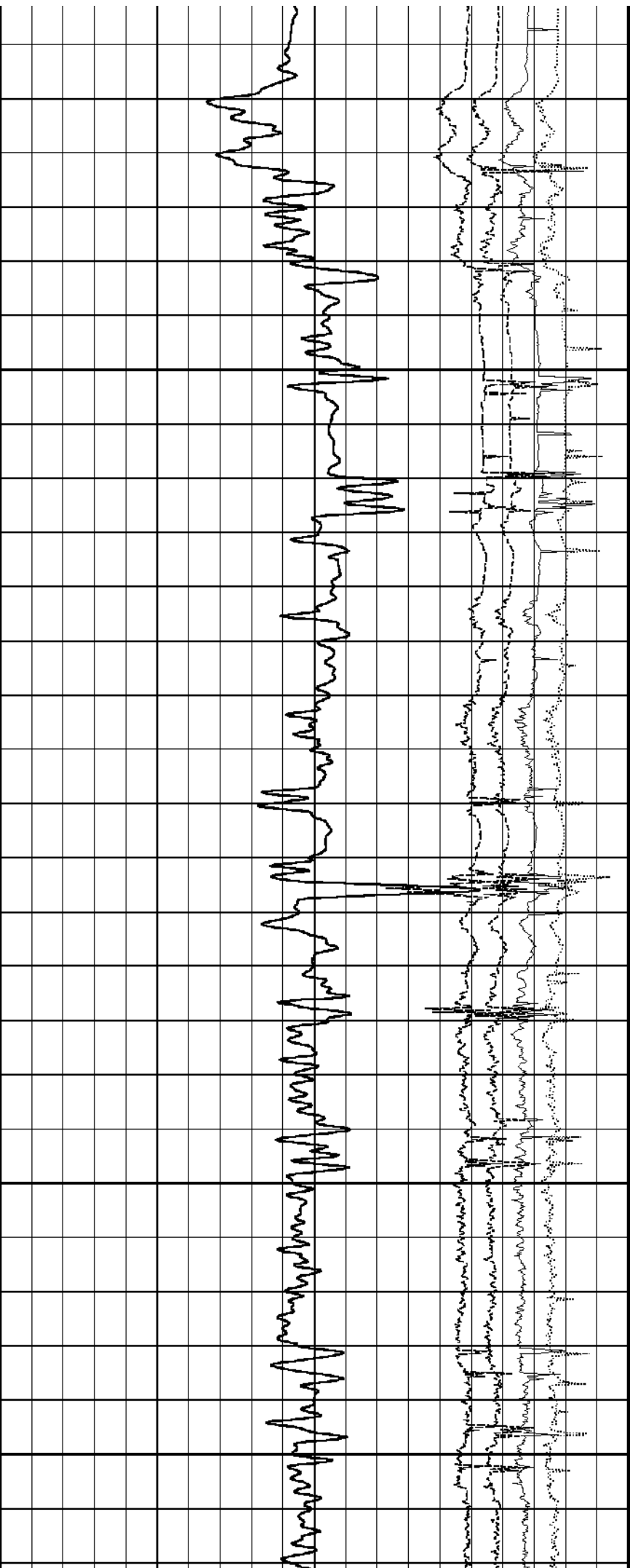
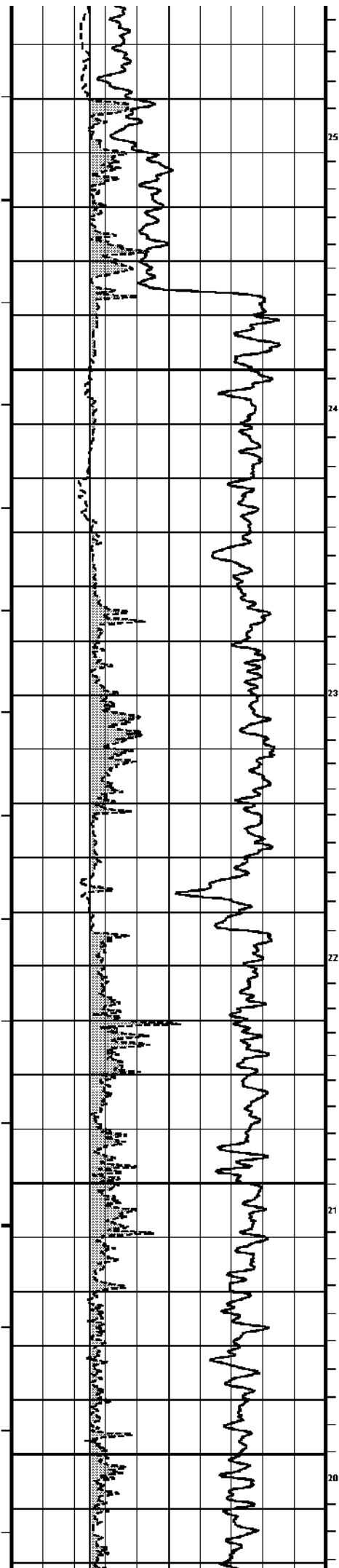
COMPANY			ESSO AUSTRALIA PTY LTD		
WELL			FLOUNDER A24A		
FIELD			GIPPSLAND BASIN		
PROVINCE/COUNTY			BASS STRAIT		
COUNTRY/STATE			AUSTRALIA		
LOCATION			5758709.11 m N, 625849.47 m E 38°18'39.233" S, 148°26'22.099" E		
LSD	SEC	TWP	RGE	Other Services PHOTO DENSITY DUAL LATEROLOG COMPENSATED NEUTRON	
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	3193.00		metres		
Depth Logger	3195.00		metres		
First Reading	3193.40		metres		
Last Reading	2365.00		metres		
Casing Driller	662.60		metres		
Casing Logger	660.20		metres		
Bit Size	8.50		Inches		
Hole Fluid Type	KC/PPH/PA/GLY				
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				

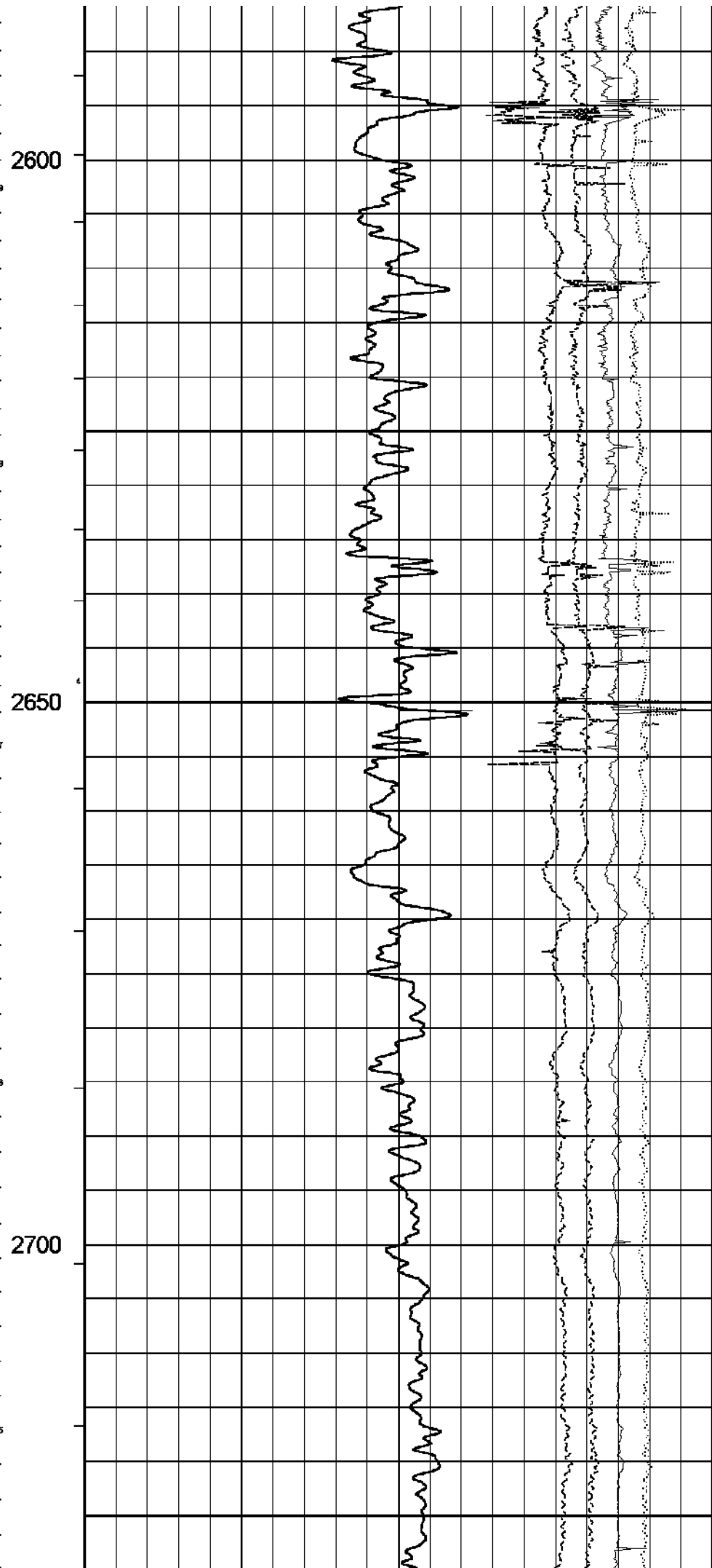
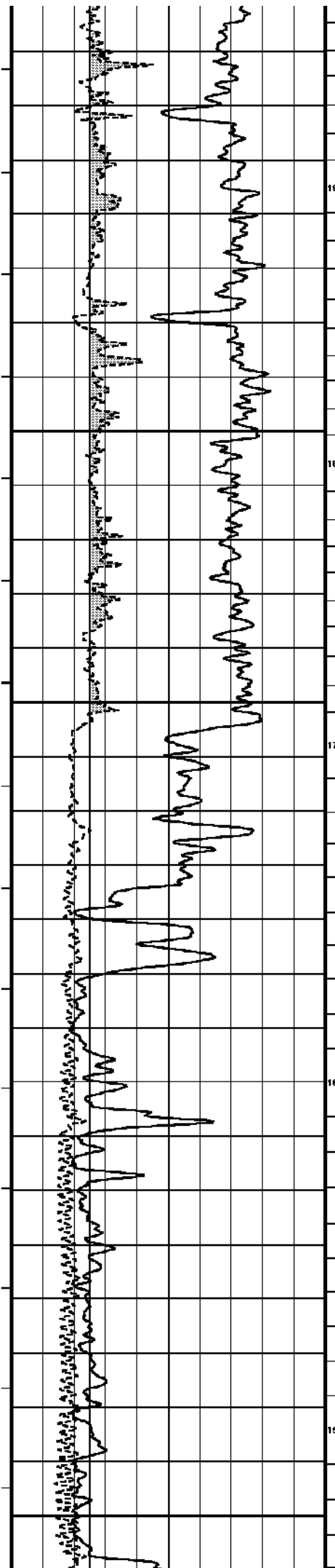
BOREHOLE RECORD				
Bit Size inches		Depth From metres		Depth To metres
8.510		662.60		3193.00
CASING RECORD				
Type	Size inches	Depth From metres	Shoe Depth metres	Weight pounds/ft
Conduct.	20.000	0.00	202.65	133.00
Surface	10.750	202.65	662.60	54.50
REMARKS				
DRILLING RIG: NABORS (ISDL) 453.				
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%				

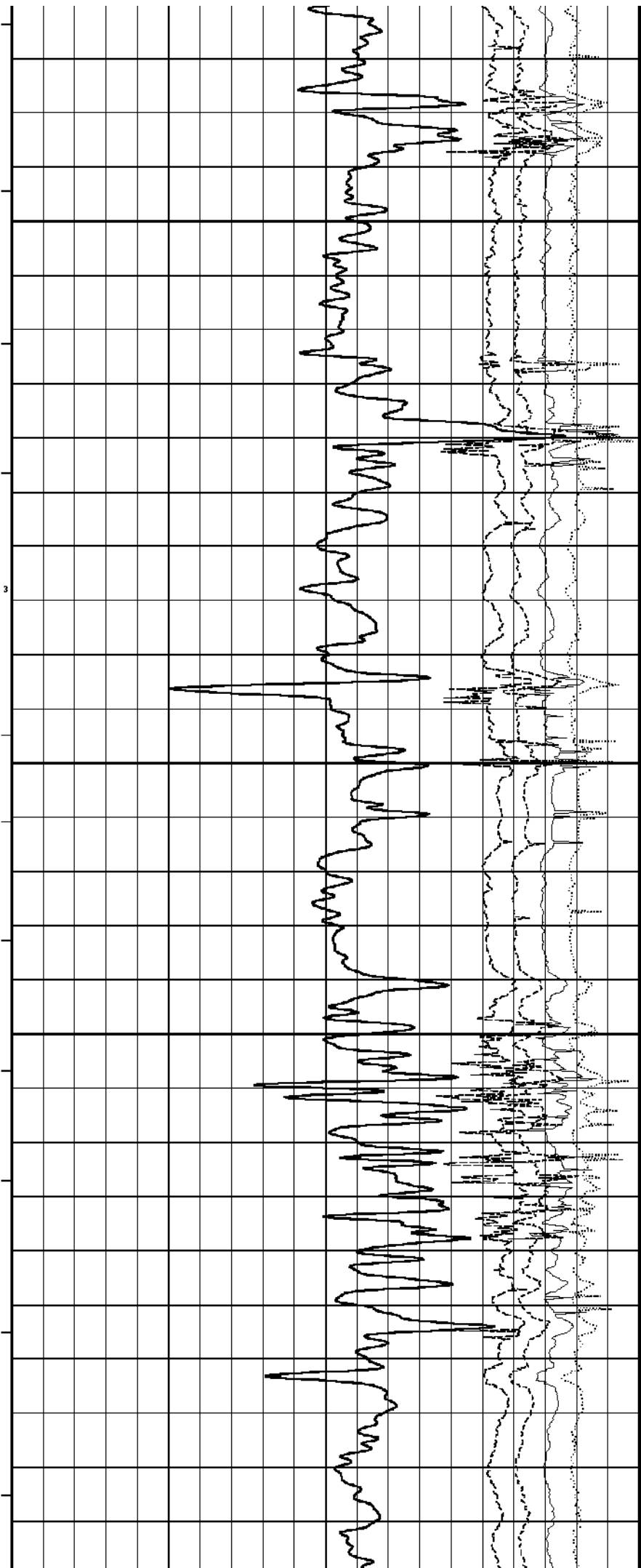
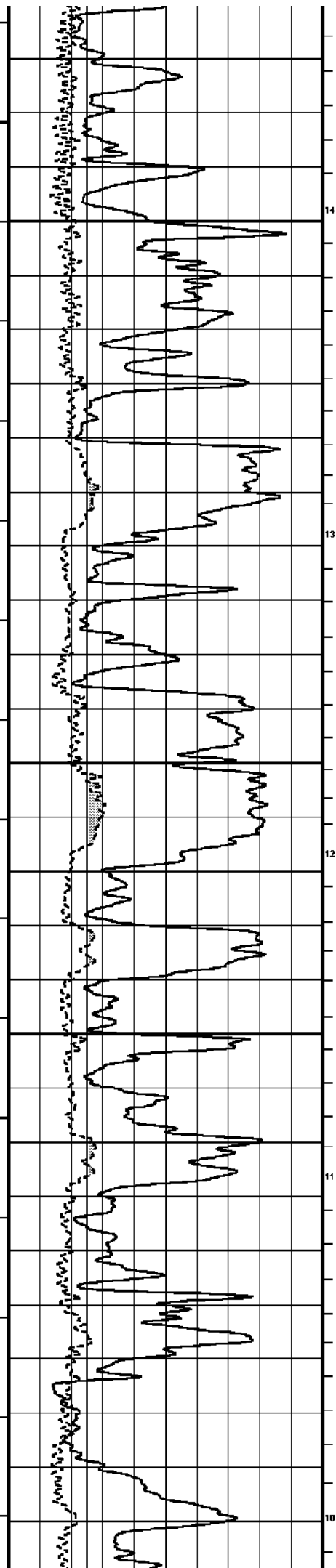
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs,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

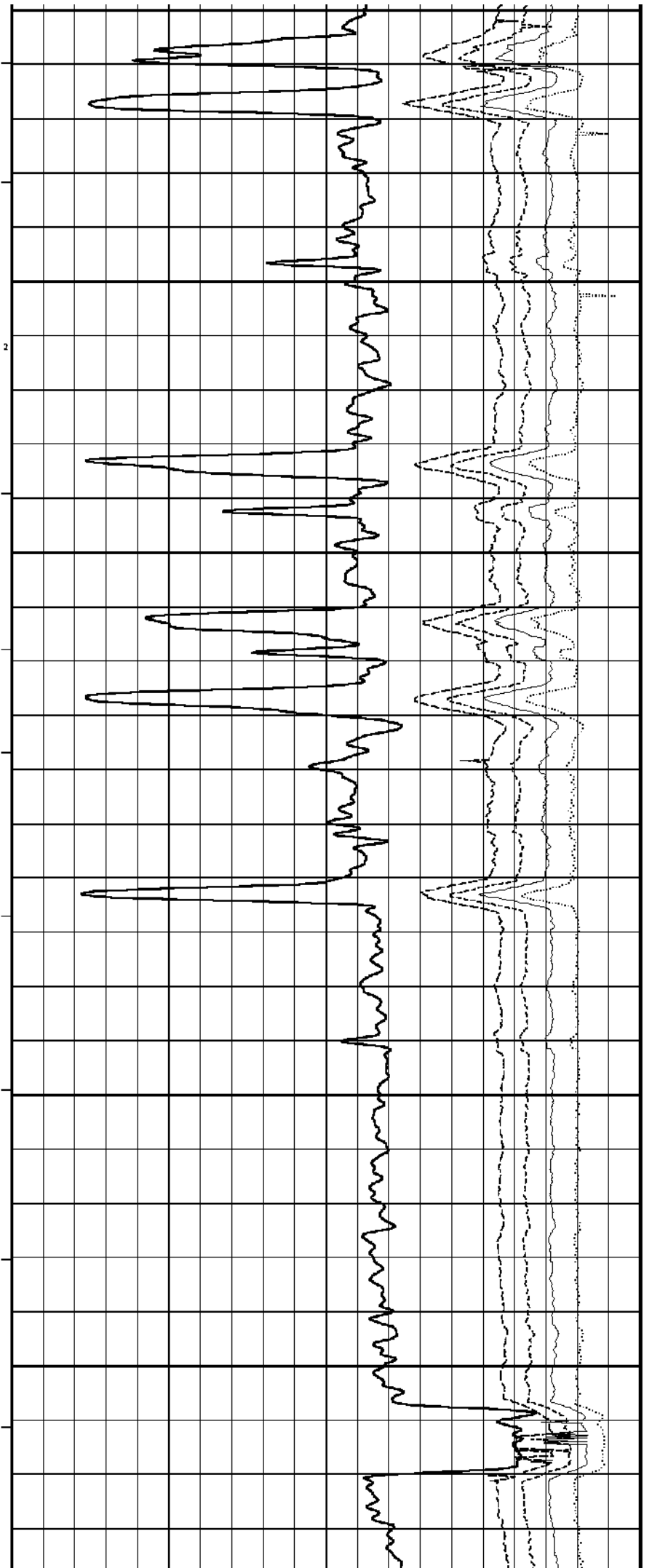
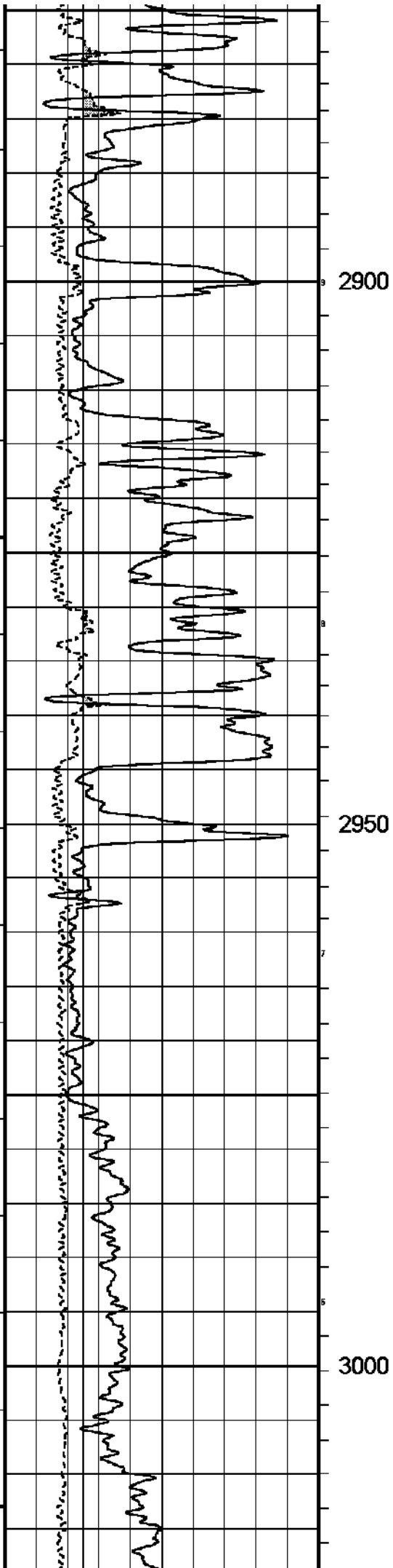
MAIN LOG 1:500	
Depth Based Data - Maximum Sampling Increment 10.0cm	Plotted on 16-MAY-2003 13:29
Filename: C:\FLA A24A\FLA_A24A_Main_Log.dta	Recorded on 16-MAR-2003 13:38
System Configuration Dates: Logged 23-OCT-2002: Processed 23-OCT-2002: Plotted 23-OCT-2002:	
Depth	

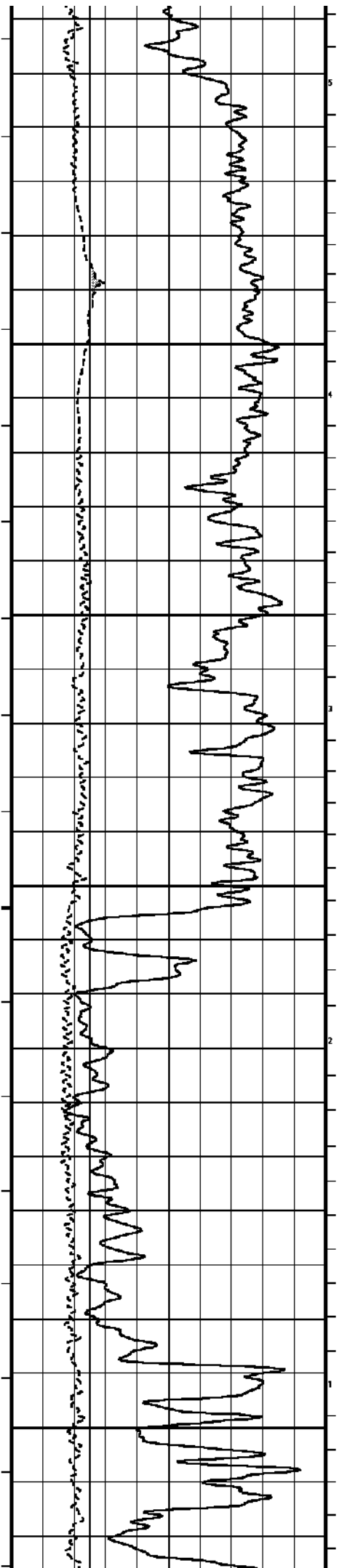








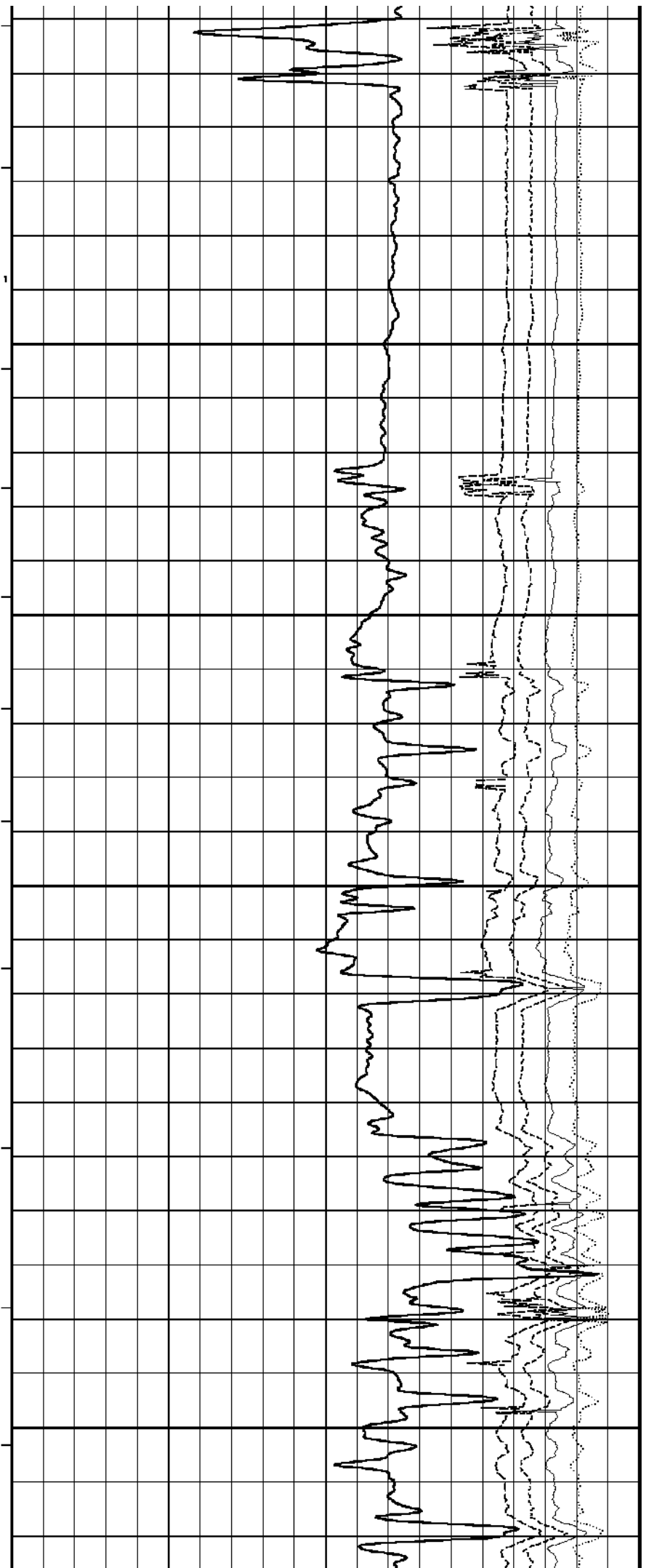


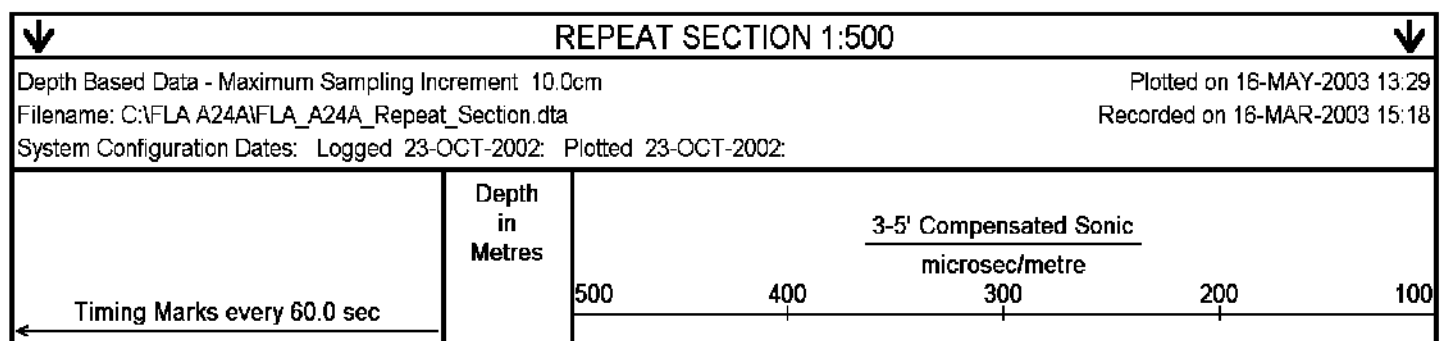
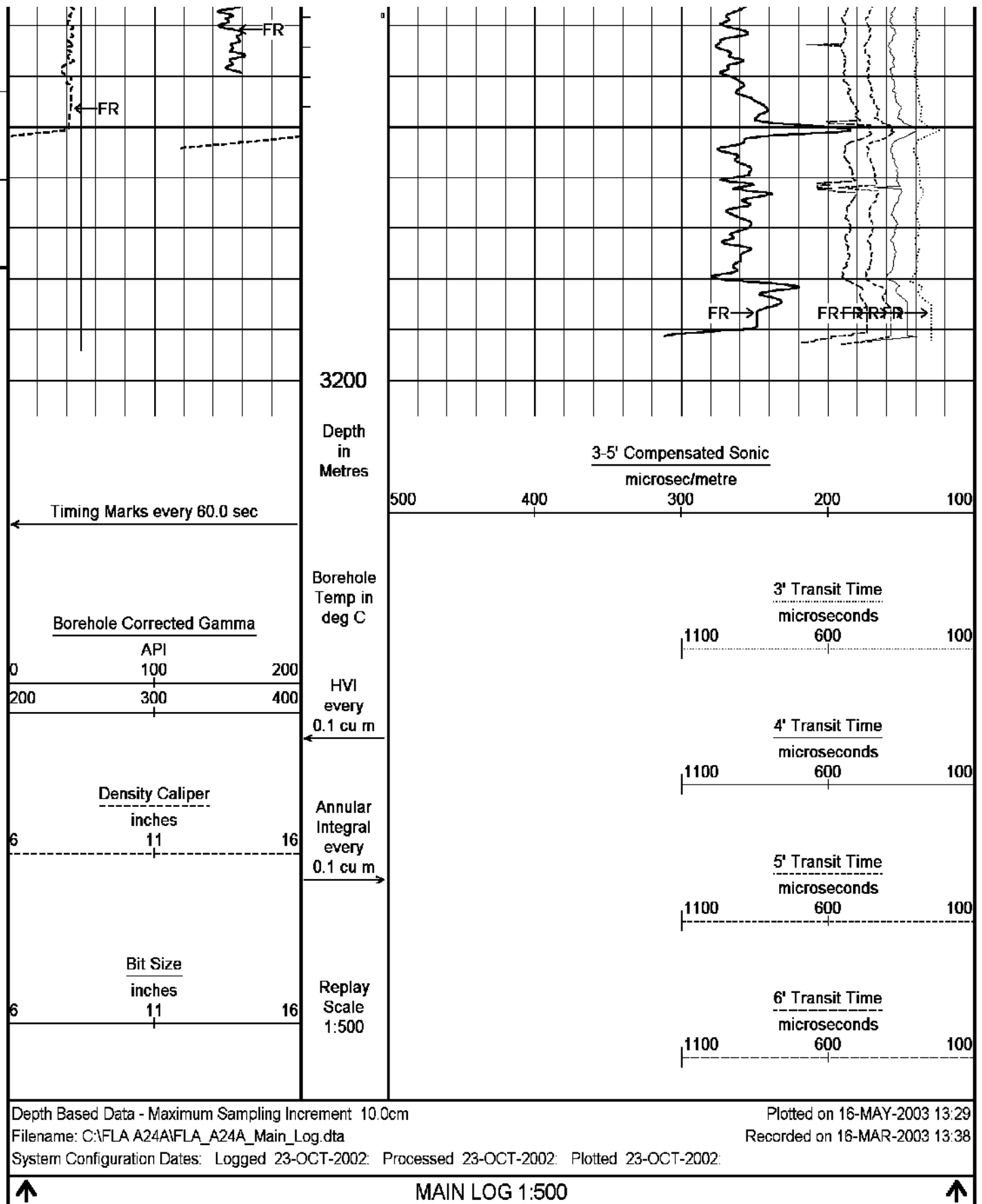


3050

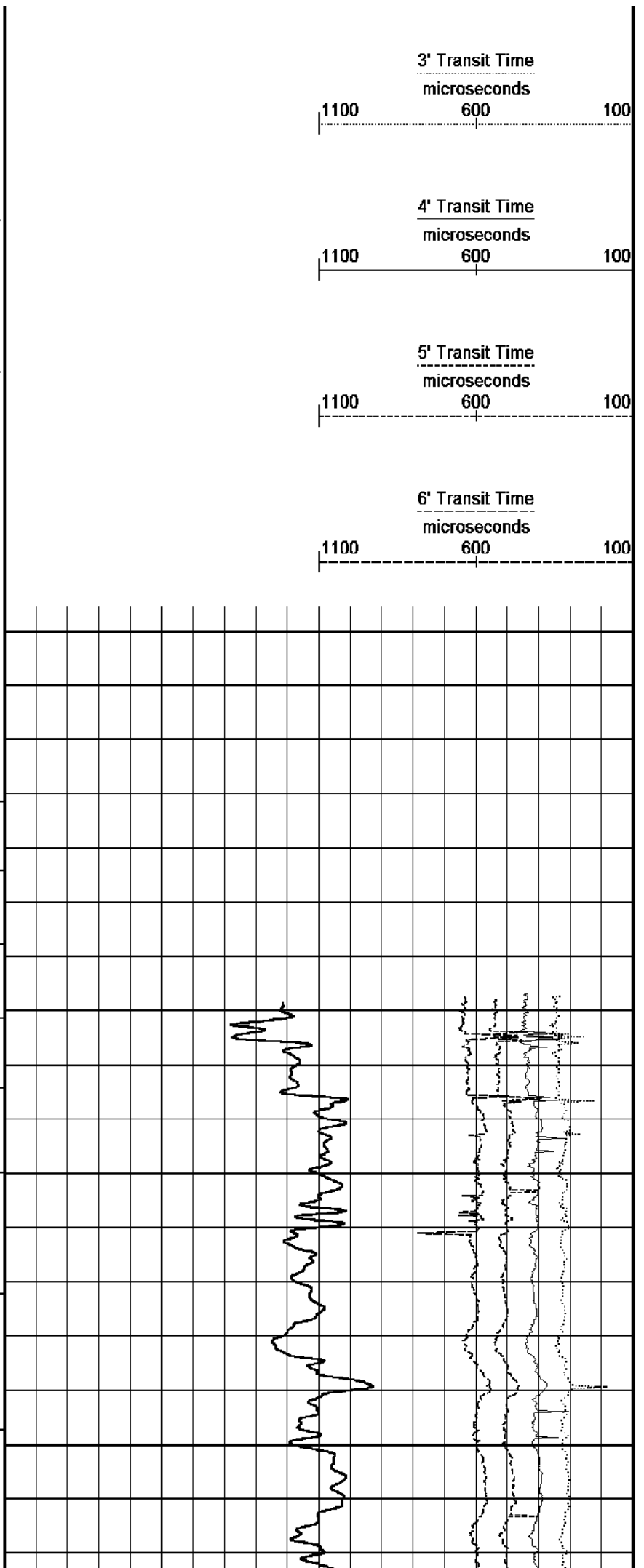
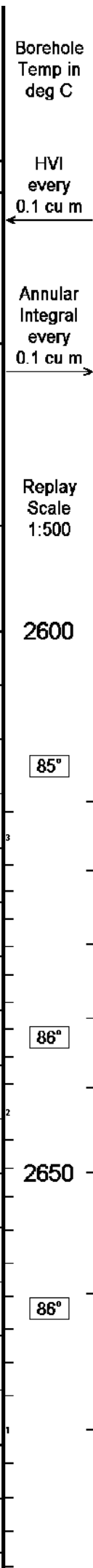
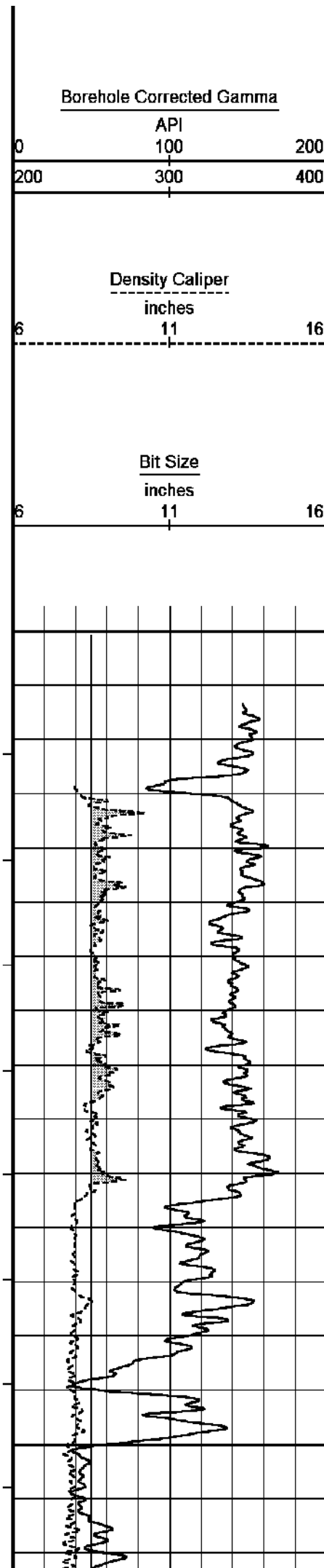
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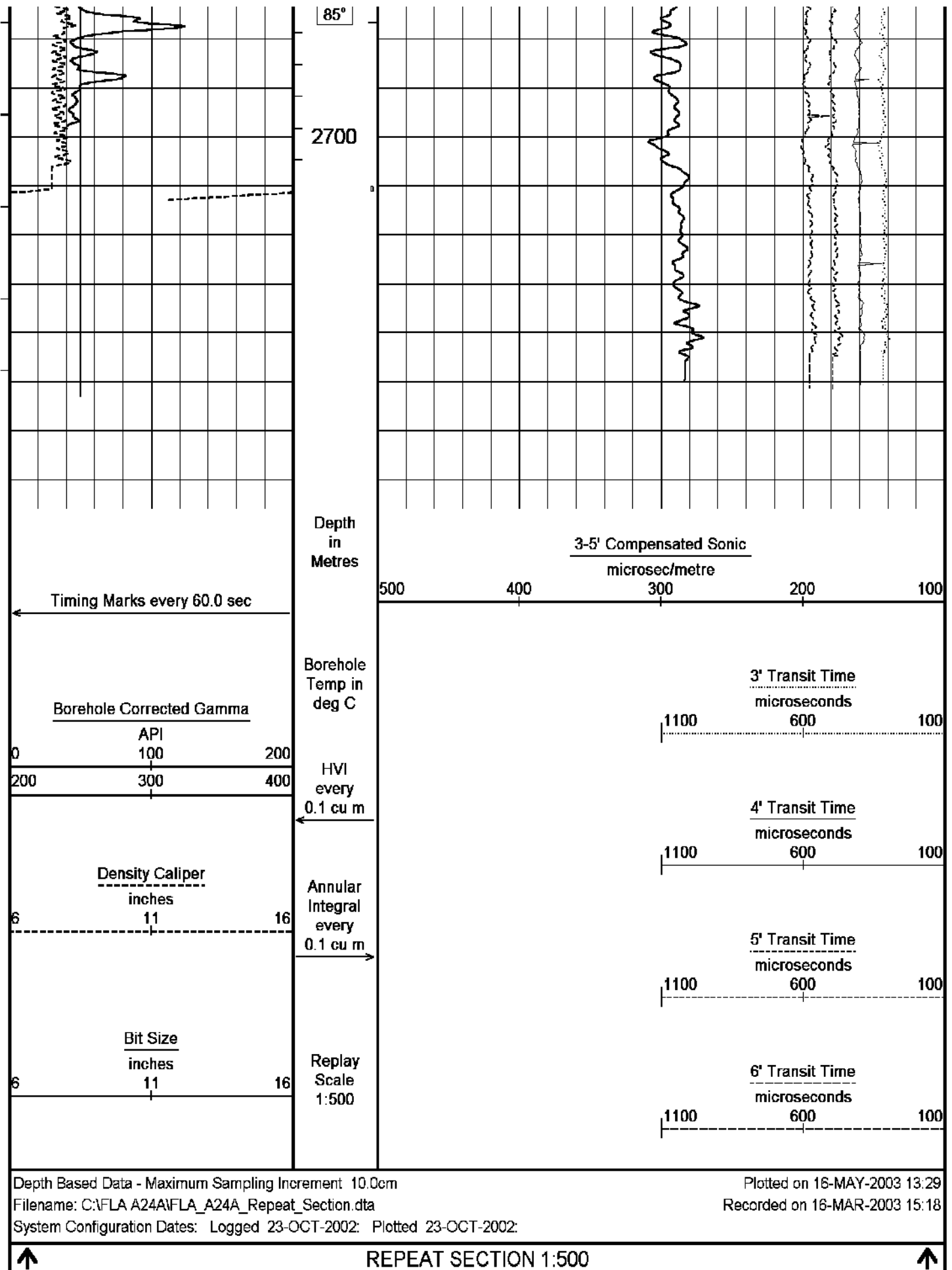
3150











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 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.

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

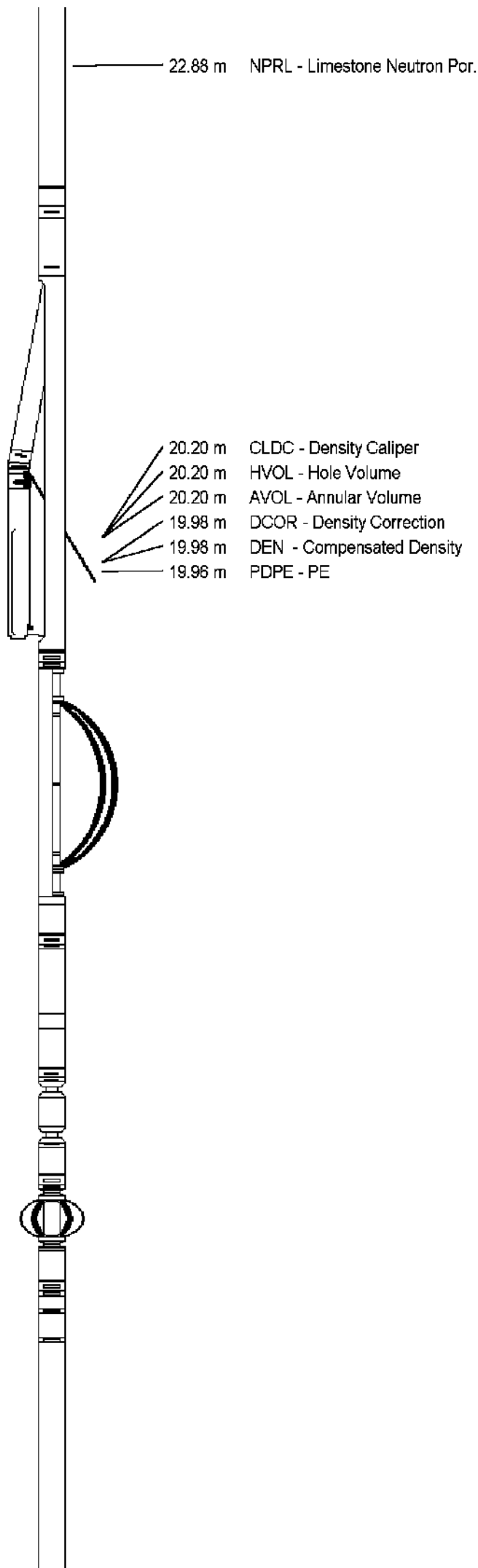
Compact Stiff Bridle Electrode Sub.  
MBE 5    Length: 3.76 m    Weight: 94.80 lb



27.98 m

———— 27.09 m

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

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

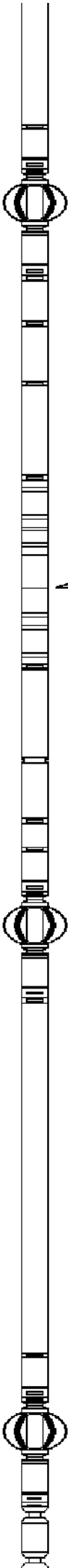
10.06 m    DSLL - Shallow Laterolog  
10.06 m    DDLL - Deep Laterolog

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	3193.40	metres
Elevation Drill Floor	33.85	metres	Depth Driller	3193.00	metres
Elevation Ground Level	-93.00	metres	Depth Logger	3195.00	metres

**Reeves**

COMPENSATED SONIC  
1:500 MD