

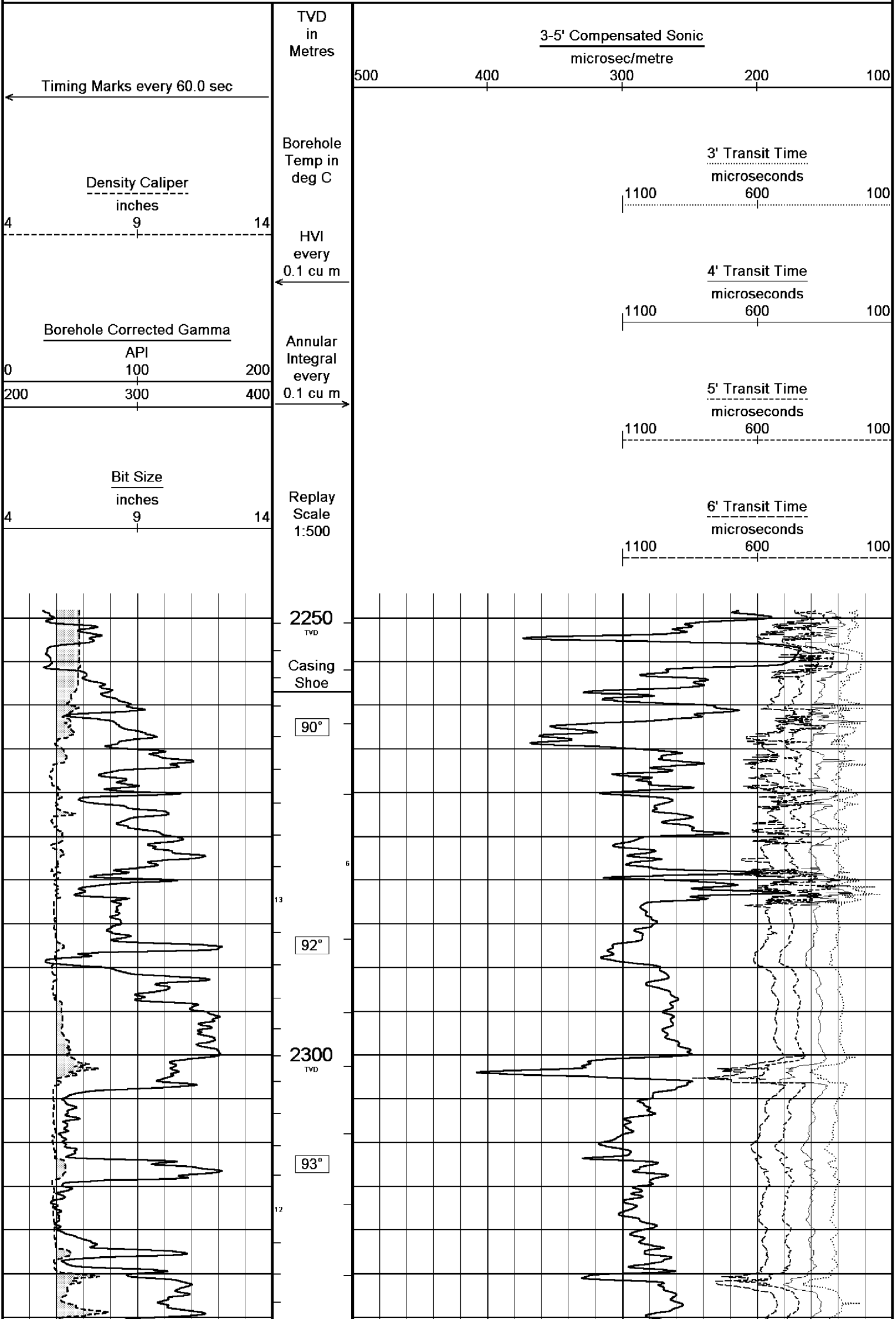
Reeves

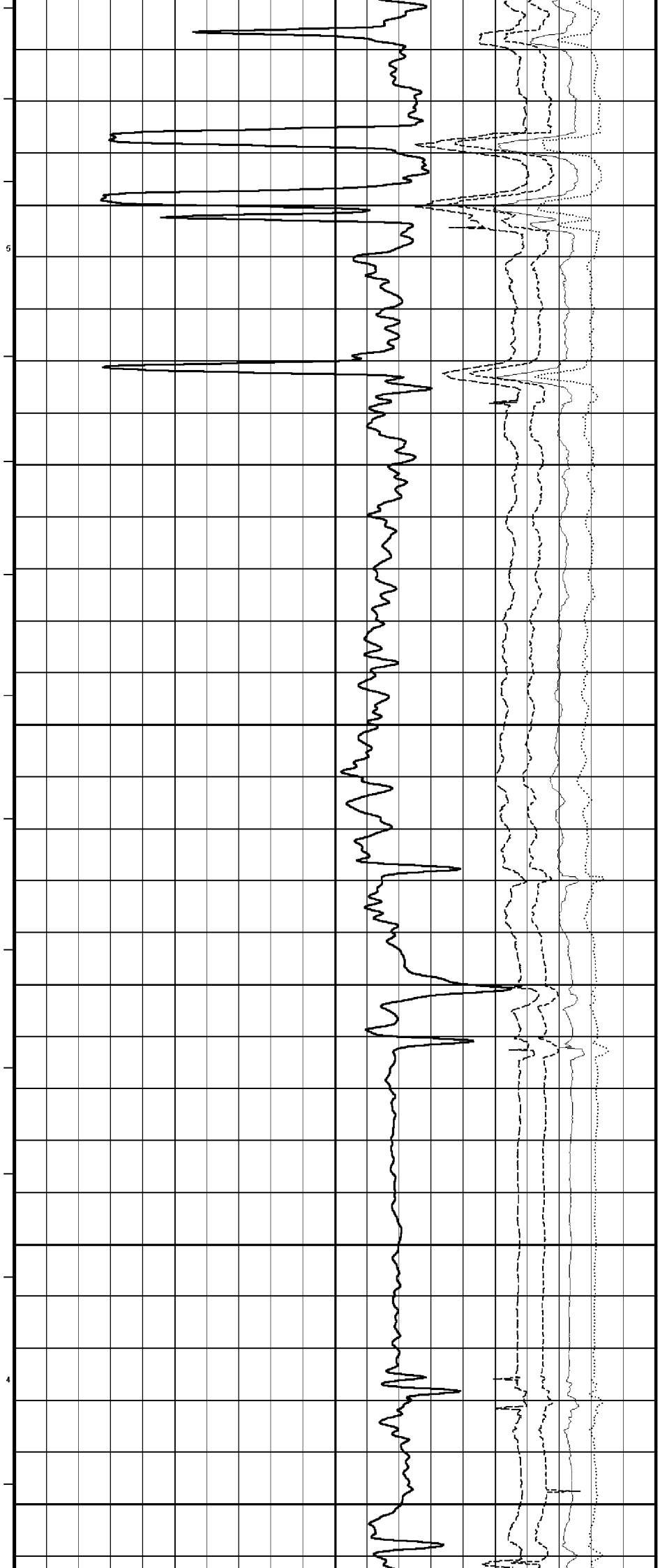
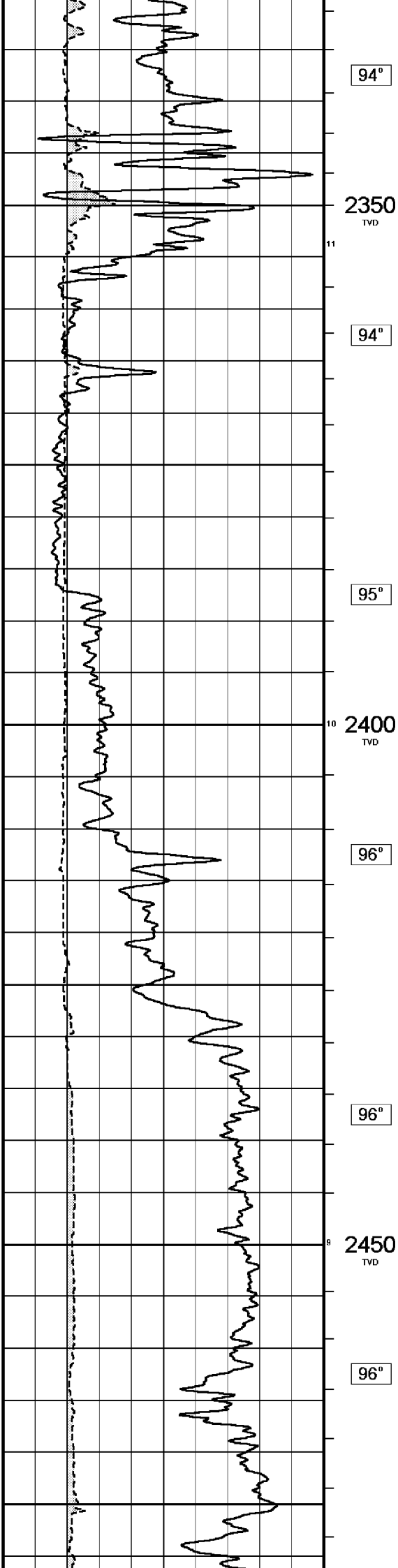
COMPENSATED SONIC 1:500 TVD

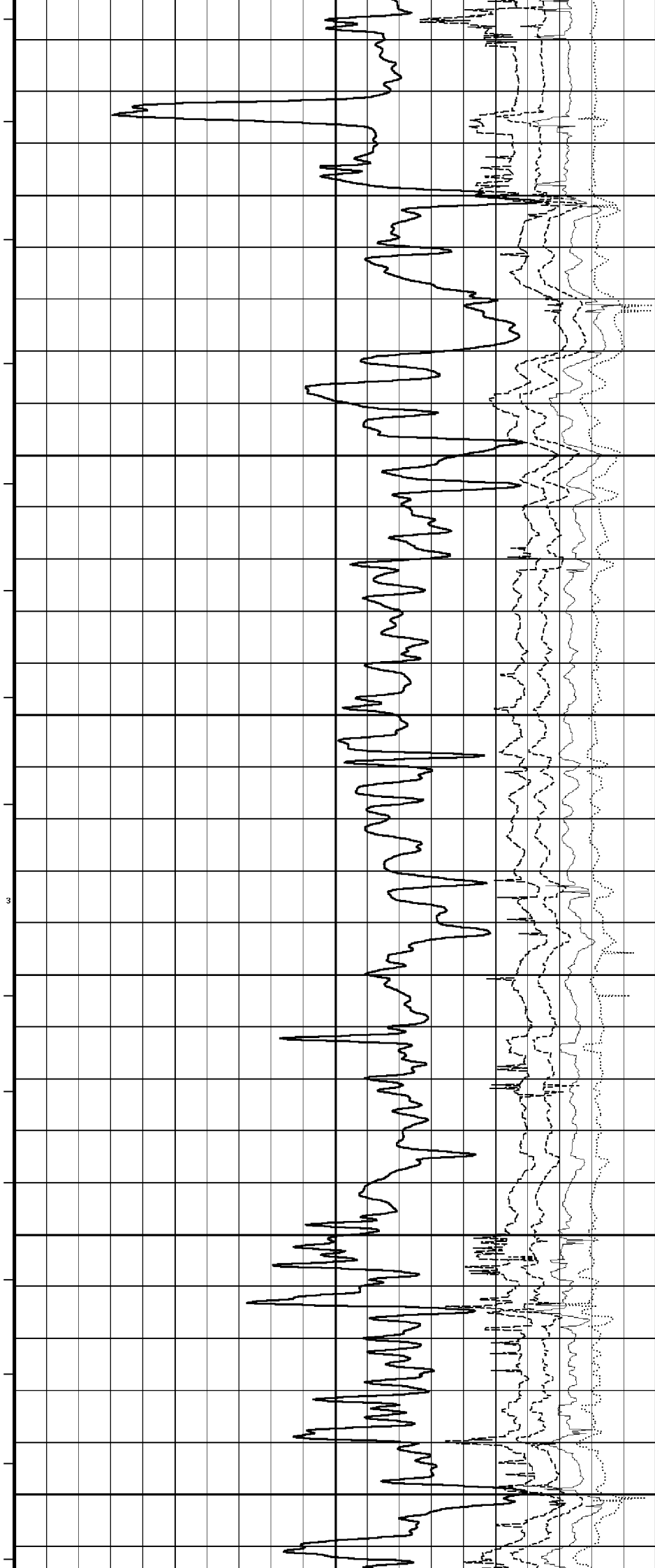
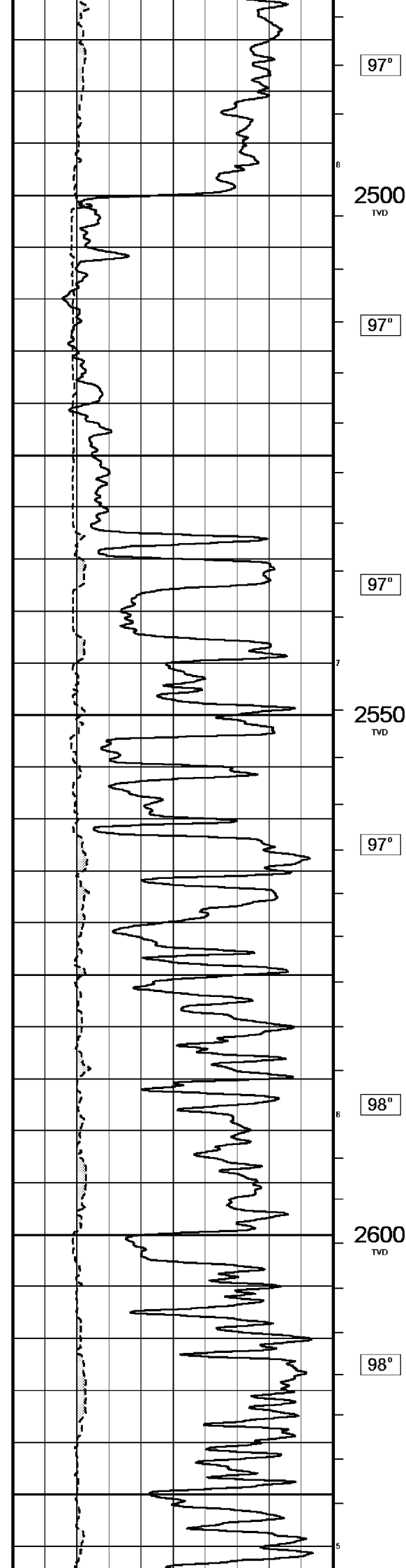
COMPANY	ESSO AUSTRALIA PTY. LTD.		
WELL	FLOUNDER A-17a		
FIELD	GIPPSLAND BASIN		
PROVINCE/COUNTY	BASS STRAIT		
COUNTRY/STATE	AUSTRALIA		
LOCATION	5758711.37 m N, 625853.66 m E 38°18'39.158" S, 148°26'22.270" E		
LSD	SEC	TWP	RGE
API Number	Other Services DUAL LATEROLOG PHOTO DENSITY COMPENSATED NEUTRON		
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		
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	KCl/PHPA/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		
Witnessed By	E.Espiritu S. Mooney, B. Arnold		
Circ. Stopped	23:15 15-AUG		

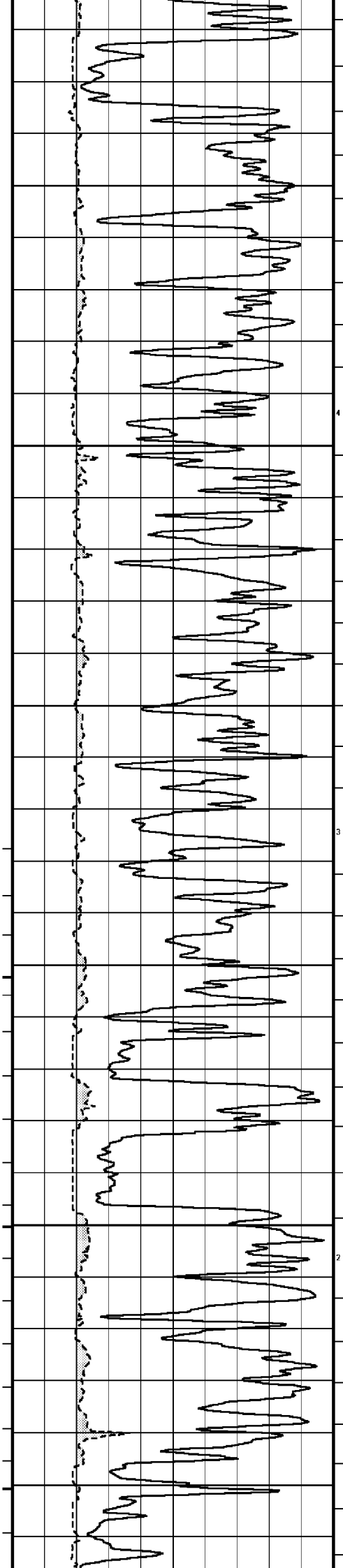
BOREHOLE RECORD				
Bit Size inches		Depth From metres	Depth To metres	
8.500		1500.00	2800.00	
6.000		2800.00	3660.00	
CASING RECORD				
Type	Size inches	Depth From metres	Shoe Depth metres	Weight pounds/ft
K55 BTC	10.750	0.00	1256.00	40.50
	7.625	1256.00	2896.00	27.00
REMARKS				
DRILLING RIG: NABORS (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.









97°

2650
TVD

97°

97°

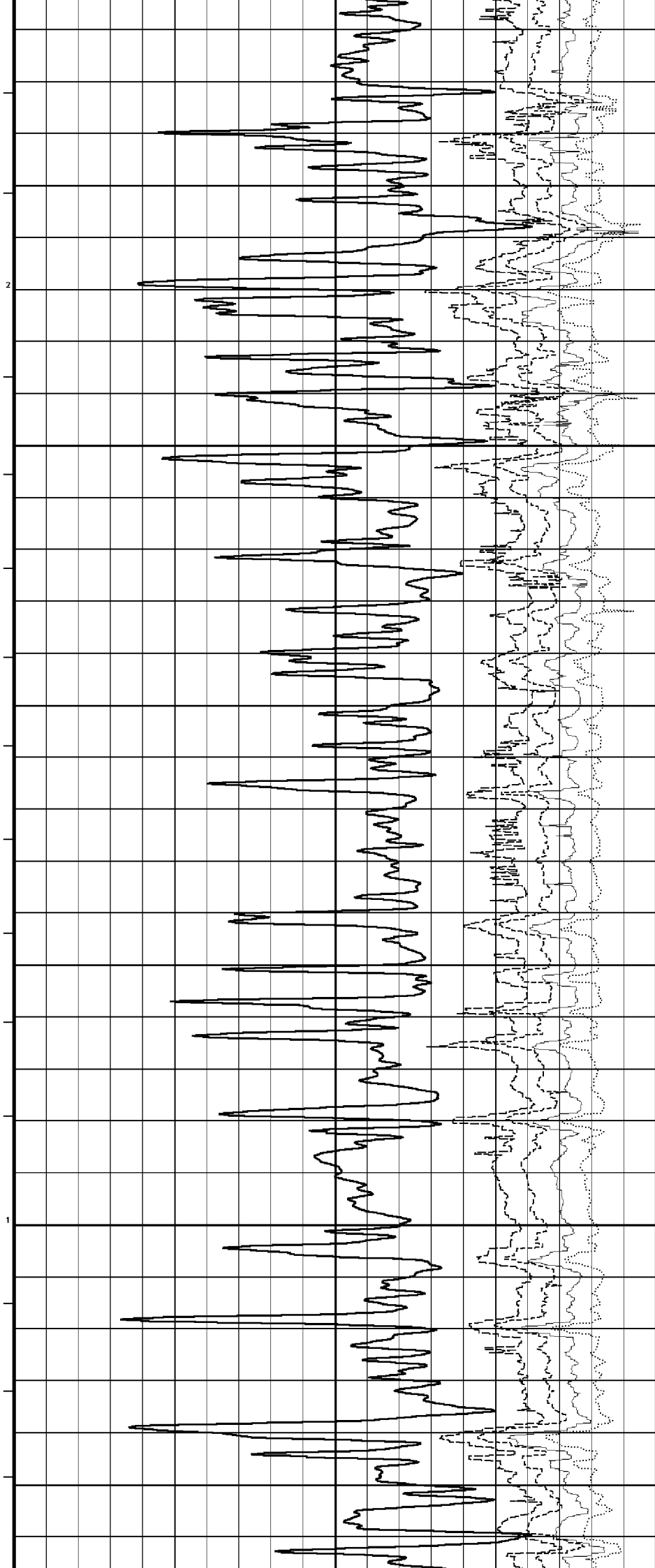
2700
TVD

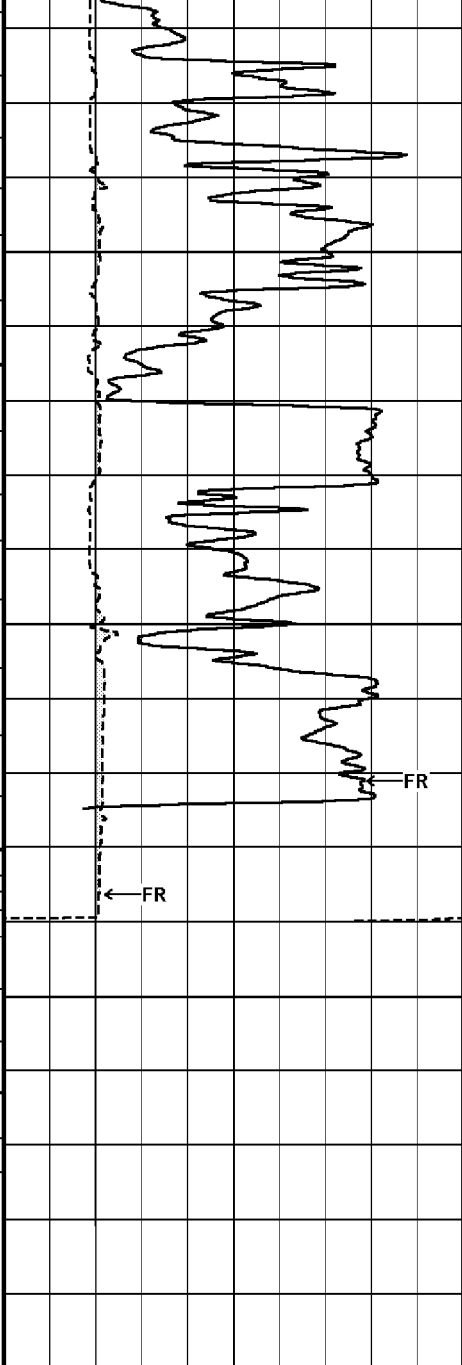
97°

97°

2750
TVD

97°





98°

2800
TVD

98°

111°

2850
TVD

TVD
in
Metres

Timing Marks every 60.0 sec

Density Caliper
inches
4 9 14

Borehole Corrected Gamma
API
0 100 200
200 300 400

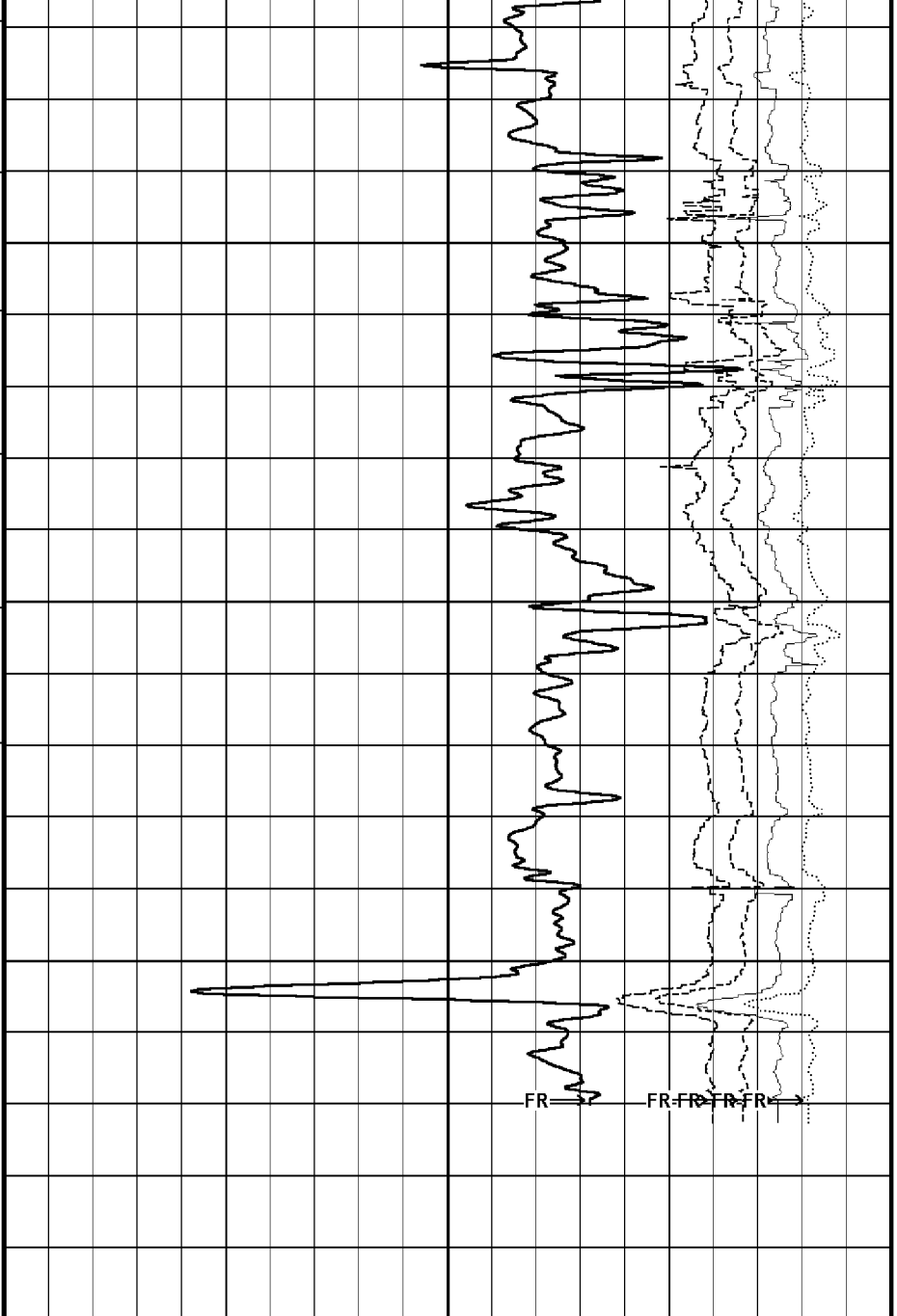
Bit Size
inches
4 9 14

Borehole
Temp in
deg C

HVI
every
0.1 cu m

Annular
Integral
every
0.1 cu m

Replay
Scale



3-5' Compensated Sonic
microsec/metre
500 400 300 200 100

3' Transit Time
microseconds
1100 600 100

4' Transit Time
microseconds
1100 600 100

5' Transit Time
microseconds
1100 600 100

6' Transit Time

	1:500	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 1:500			↑

BEFORE SURVEY CALIBRATION	C:\Fla_a17a\B & W Finals\Fla_A17a_Main_log_MSS.dta
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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

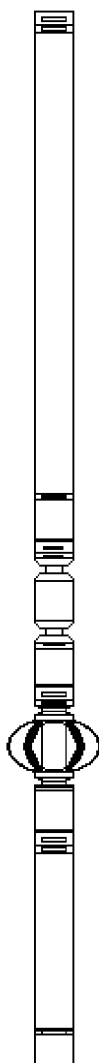
All measurements relative to tool zero.

Compact Battery Sub.
MBS 99 Length: 4.34 m Weight: 44.09 lb

Compact Knuckle Joint
SKJ 110 Length: 0.66 m Weight: 24.25 lb

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



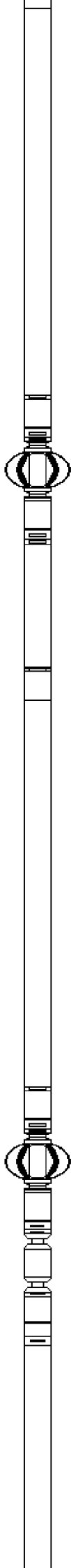
Compact Inline Standoff B
MIS 136 Length: 0.65 m Weight: 15.43 lb

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

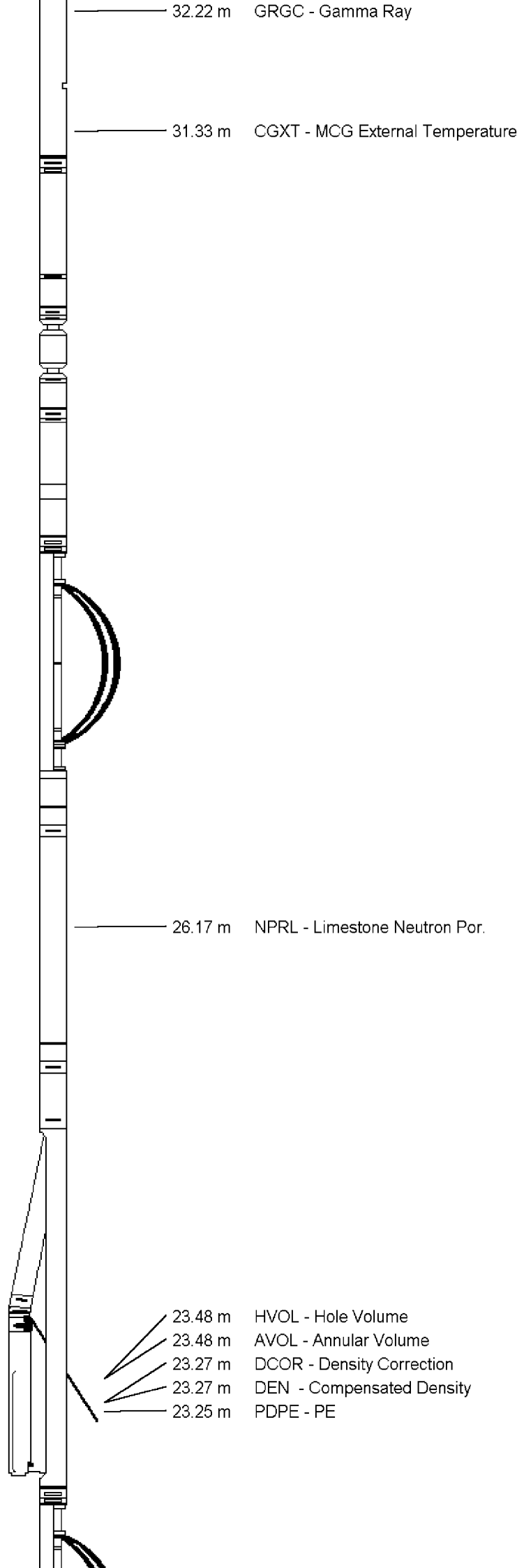
Compact Swivel Head Adaptor
SHA 27 Length: 0.83 m Weight: 26.46 lb

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

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

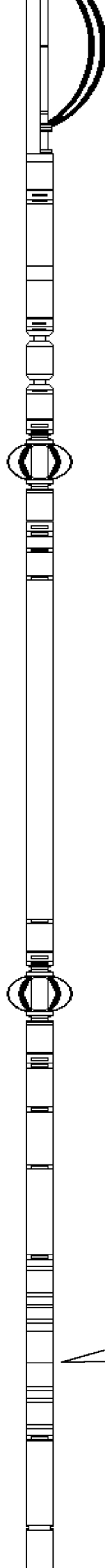
Compact Knuckle Joint
SKJ 45 Length: 0.66 m Weight: 24.25 lb

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



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

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

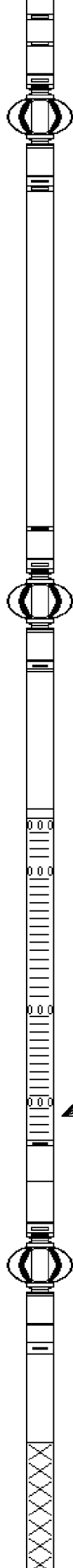
Compact Lower Guard Sub.
MLG 9 Length: 2.44 m Weight: 55.12 lb

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



4.60 m TR21 - 3' Transit Time
4.60 m TR11 - 4' Transit Time
4.60 m TR22 - 5' Transit Time
4.60 m TR12 - 6' Transit Time
4.60 m DT35 - 3-5' Compensated Sonic



Pressure Bung + Hole Finder
HFS 3 Length: 0.28 m

Weight: 6.61 lb

Total Length: 49.23 m

Tool Zero

(0.32m from bottom)

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



COMPENSATED SONIC
1:500 TVD