

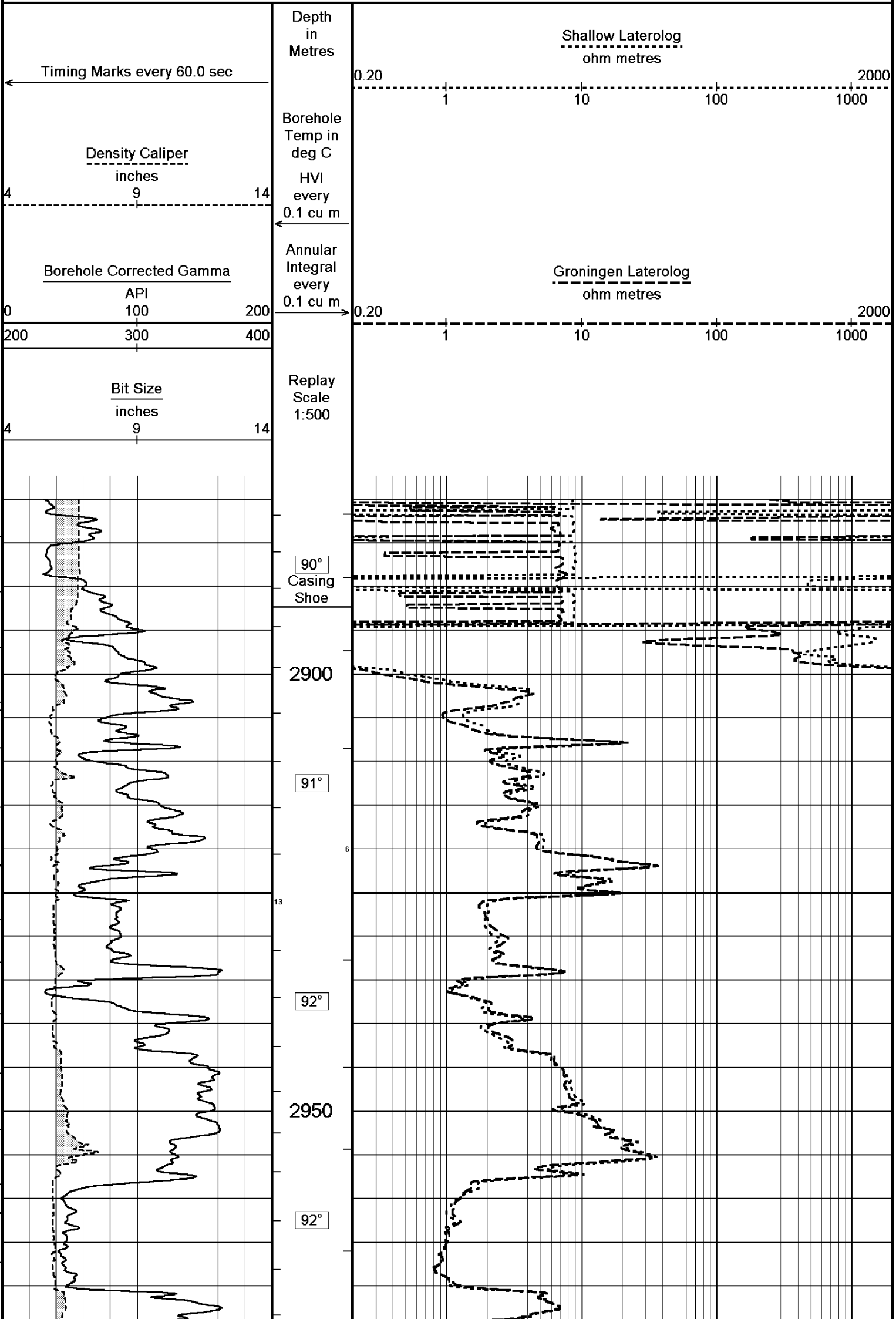
# Reeves

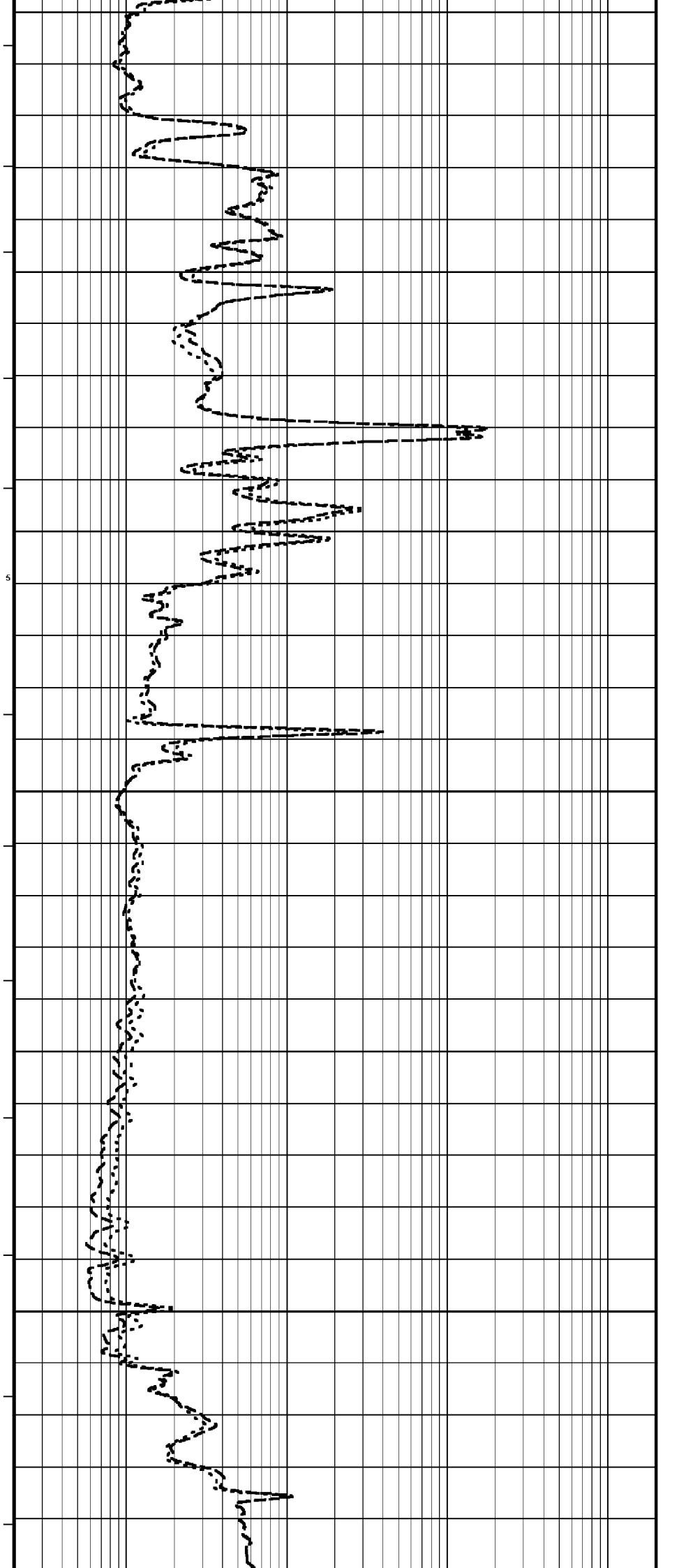
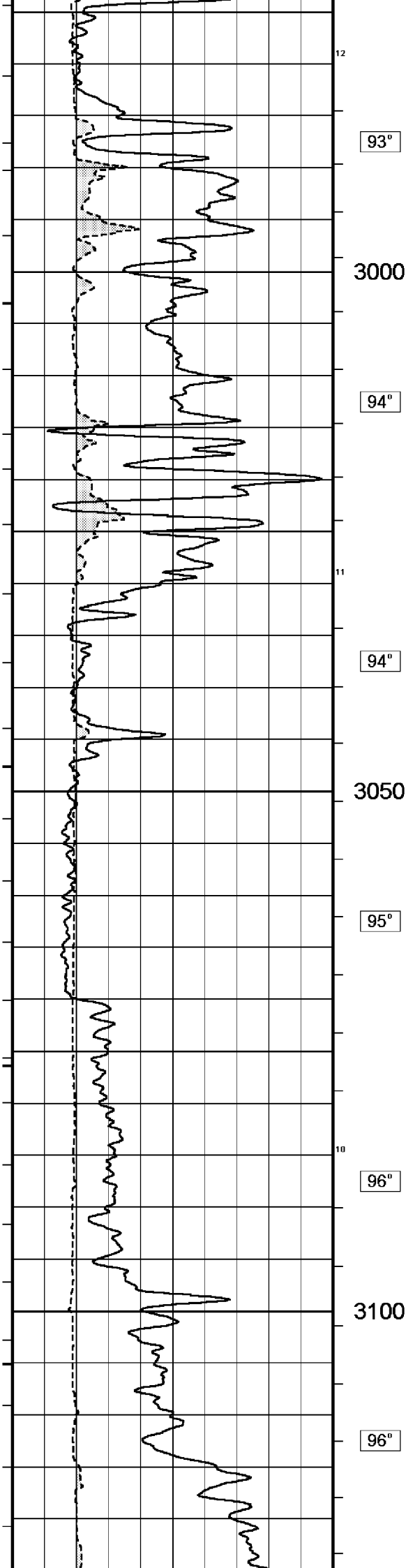
## DUAL LATEROLOG - GR 1:500 MD

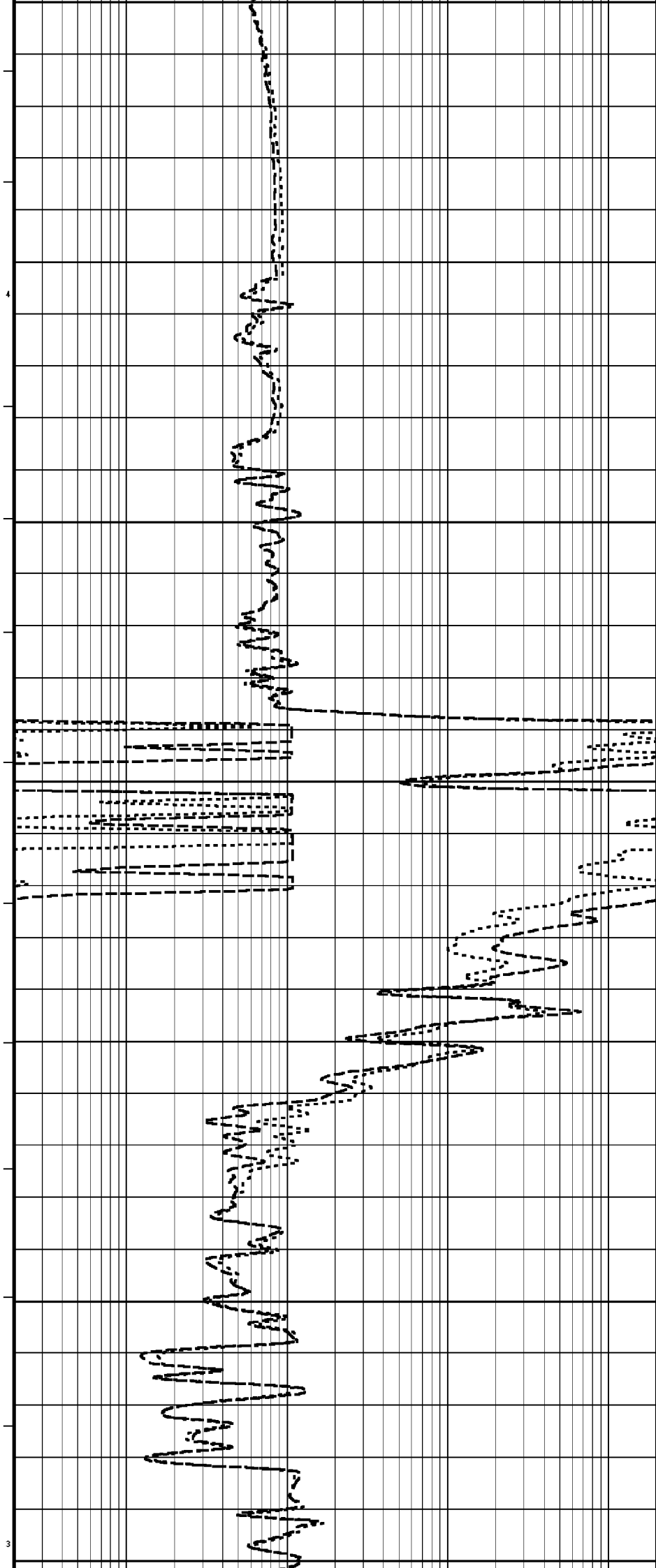
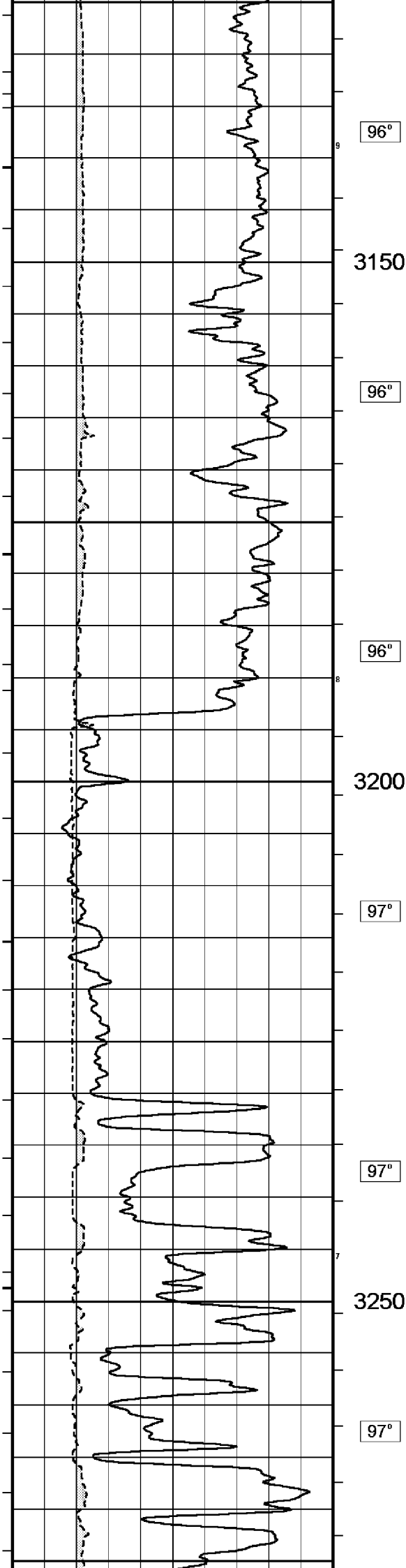
COMPANY	ESSO AUSTRALIA PTY. LTD.		
WELL	FLOUNDER A-17a		
FIELD	GIPPSLAND BASIN		
PROVINCE/COUNTY	BASS STRAIT		
COUNTRY/STATE	AUSTRALIA		
LOCATION	5758711.37 m N, 625853.66 m E 38°18'39.158" S, 148°26'22.270" E		
LSD	SEC	TWP	RGE
API Number	Other Services PHOTO DENSITY		
Permit Number	COMPENSATED NEUTRON COMPENSATED SONIC		
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	3660.00	metres	
Depth Logger	3646.00	metres	
First Reading	3639.70	metres	
Last Reading	2892.30	metres	
Casing Driller	2904.00	metres	
Casing Logger	2892.30	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		S. Mooney, B. Arnold
Witnessed By	E.Espiritu		
Circ. Stopped	23:15 15-AUG		

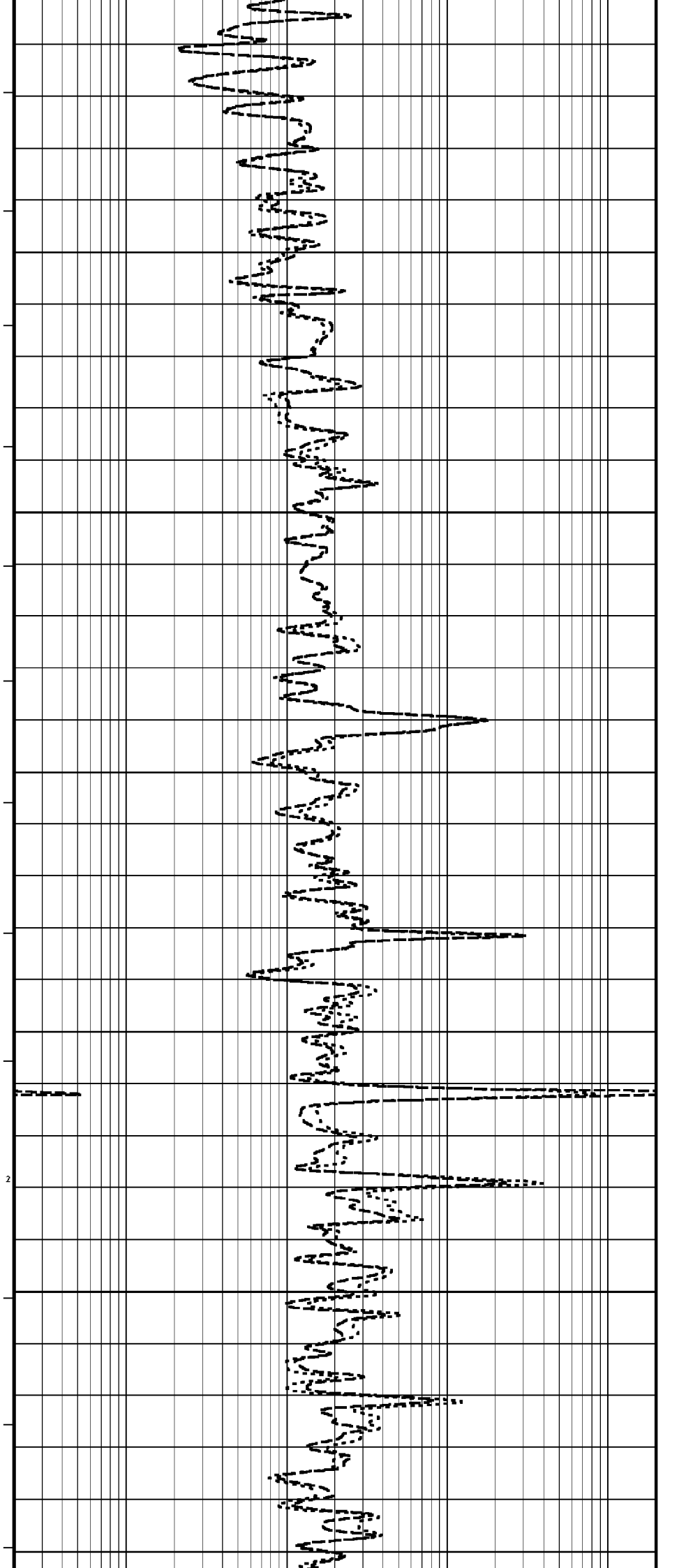
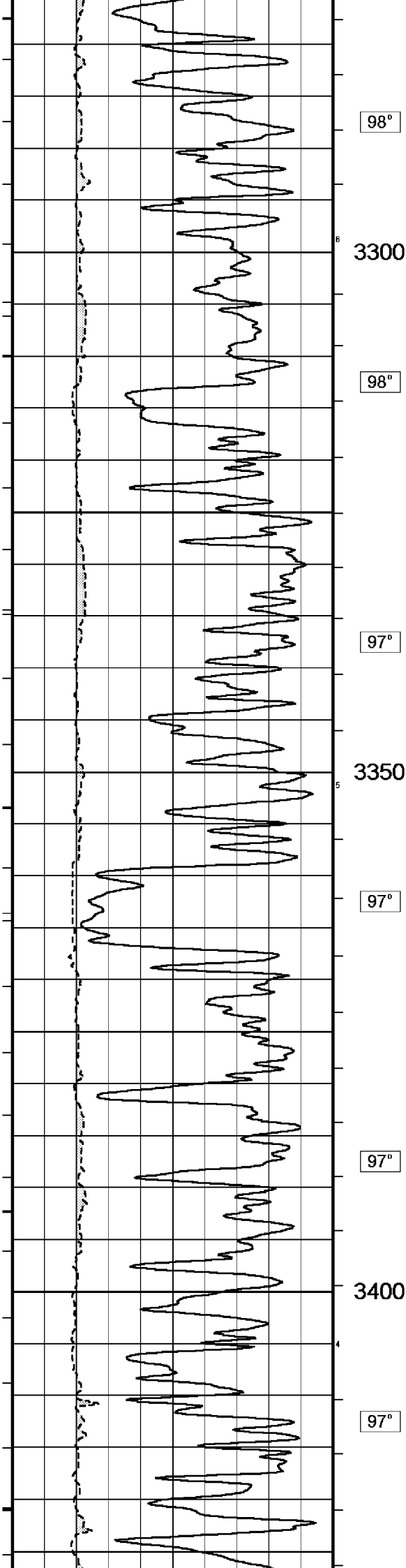
BOREHOLE RECORD				
Bit Size inches	Depth From metres		Depth To metres	
8.500	1500.00		2800.00	
6.000	2800.00		3660.00	
CASING RECORD				
Type	Size inches	Depth From metres	Shoe Depth metres	Weight pounds/ft
K55 BTC	10.750	0.00	1256.00	40.50
	7.625	1256.00	2896.00	27.00
REMARKS				
DRILLING RIG: NABORS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

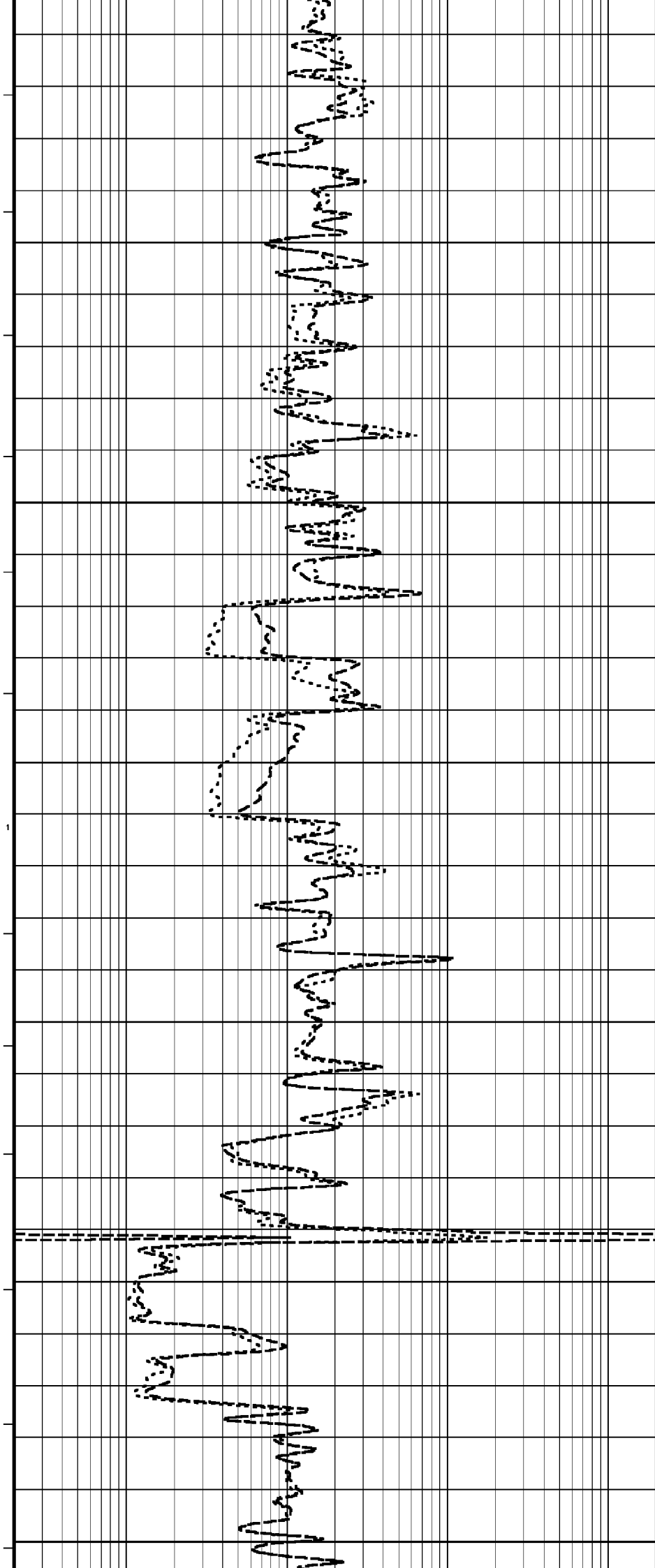
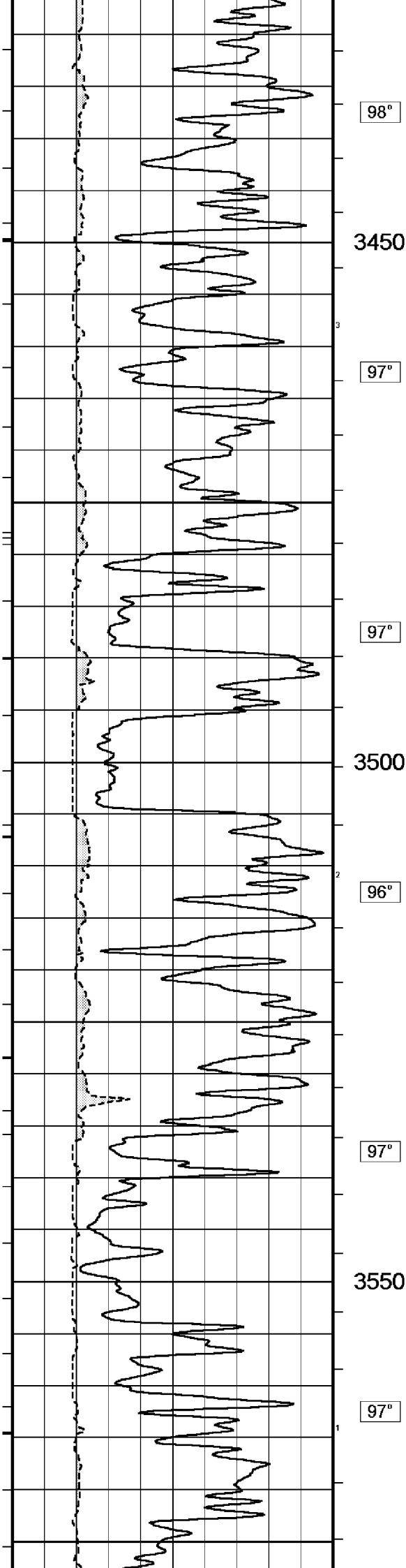
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs,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

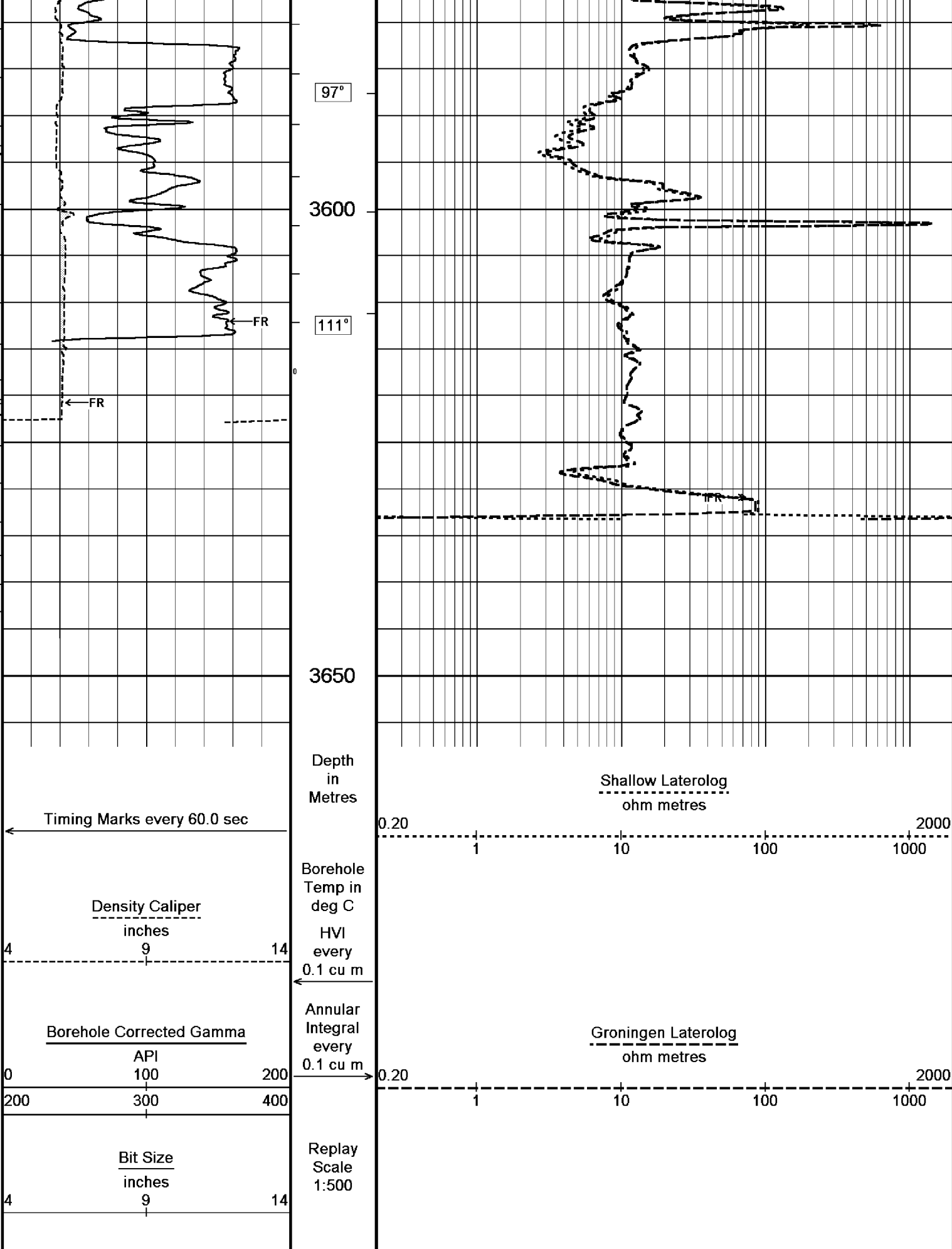












Depth Based Data - Maximum Sampling Increment 10.0cm  
Filename: C:\Fla\_a17a\B & W Finals\Fla\_A17a\_Main\_log\_MDL.dta  
System Configuration Dates: Logged 23-OCT-2002: Processed 23-OCT-2002: Plotted 23-OCT-2002:

Plotted on 23-OCT-2003 11:03

Recorded on 17-AUG-2003 18:09

MAIN LOG 1:500

BEFORE SURVEY CALIBRATION

## 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
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## 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

## Laterolog Calibration MLE 005

Base Calibration on 6-MAY-2003 14:51

Field Check on 15-AUG-2003,18:58

## Base Calibration

		Measured	Calibrated (ohm-m)
Channel	Resistor 1	Resistor 2	Resistor 1 Resistor 2
Shallow	0.0	981.5	0.0 1327.3
Deep	0.0	980.6	0.0 852.7
Groningen	0.0	981.8	0.0 852.7

Channel	Base Check (ohm-m)	Field Check (ohm-m)
Shallow	48.6	48.6
Deep	31.3	31.3
Groningen	249.9	249.9

## Laterolog Constants MLE 005

Squasher Start	40000	ohm-m
Shallow Laterolog K Factor	1.2272	



Shallow Laterolog K Factor	1.3273
Deep Laterolog K Factor	0.8527
Groningen Laterolog K Factor	0.8527
Interference Rejection	50 Hz
SP Connection	SP Bridle Electrode
Groningen Connection	Groningen Electrode

# DOWNHOLE EQUIPMENT

All measurements relative to tool zero.

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

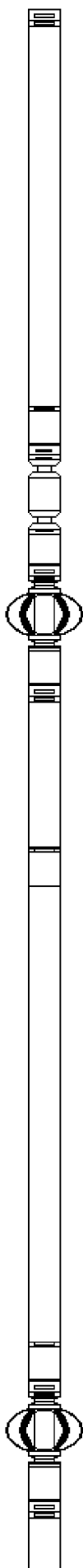
Compact Knuckle Joint  
SKJ 110 Length: 0.66 m Weight: 24.25 lb

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

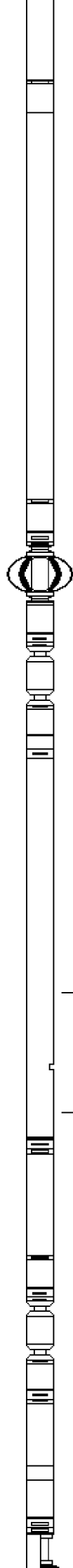
Compact Gamma  
MCG 43 Length: 2.65 m Weight: 63.93 lb

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



32.22 m GRGC - Gamma Ray

31.33 m CGXT - MCG External Temperature

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

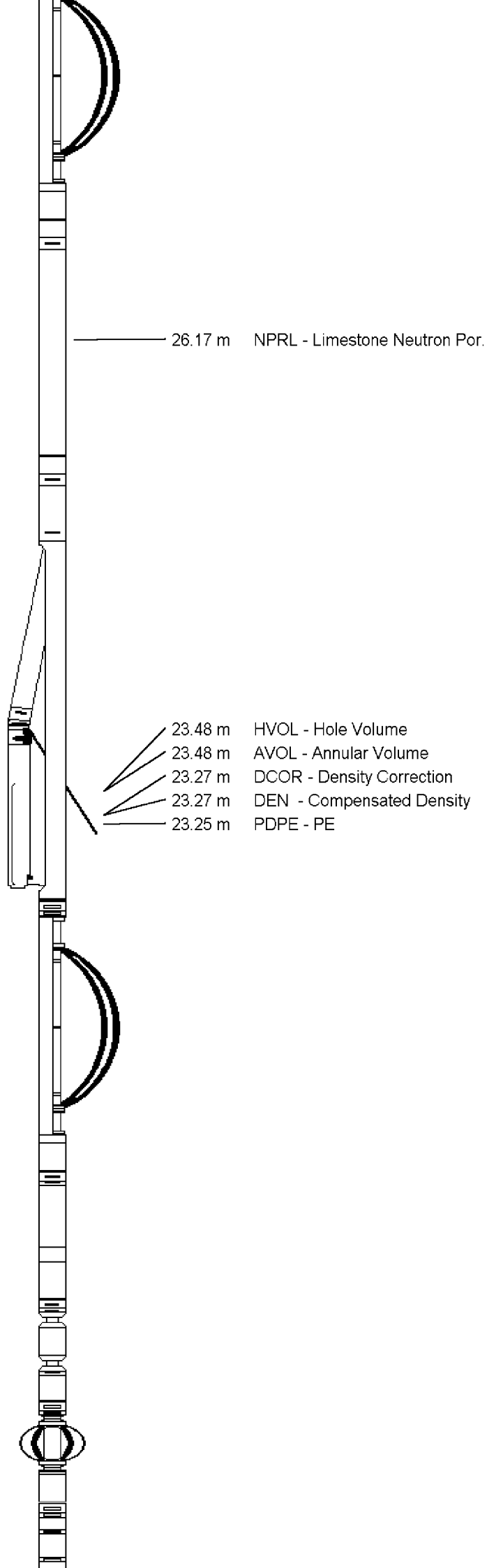
Compact Inline Bowspring A  
MIS 25 Length: 1.74 m Weight: 33.07 lb

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



MIS 15 Length: 2.74 m Weight: 60.84 lb

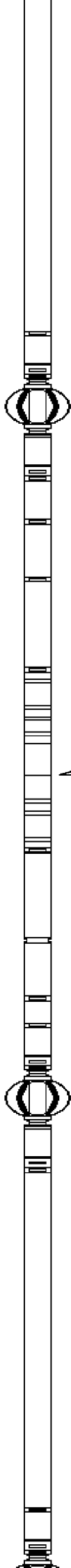
Compact Inline Standoff B  
MIS 73 Length: 0.65 m Weight: 15.43 lb

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

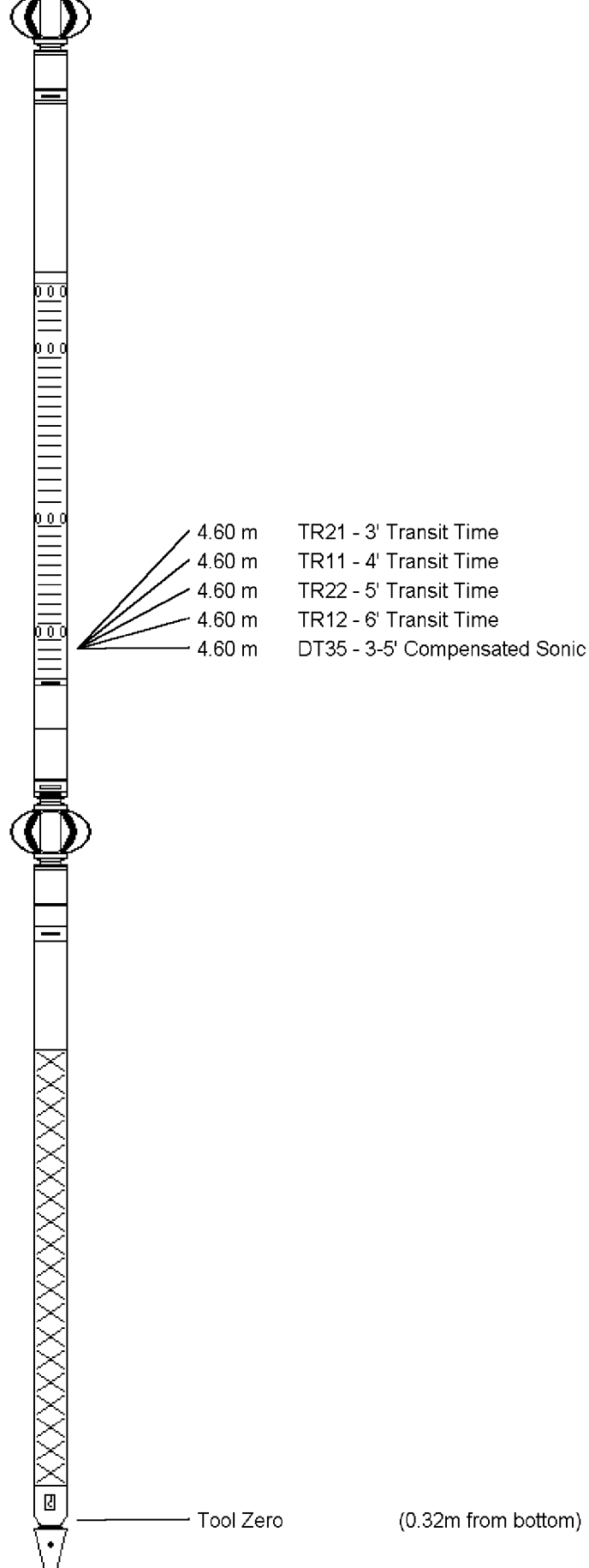
Compact Inline Standoff B  
MIS 128 Length: 0.65 m Weight: 15.43 lb

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

Pressure Bung + Hole Finder  
HFS 3 Length: 0.28 m Weight: 6.61 lb

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	3639.70	metres
Elevation Drill Floor	33.85	metres	Depth Driller	3660.00	metres
Elevation Ground Level	-93.00	metres	Depth Logger	3646.00	metres



DUAL LATEROLOG - GR  
1:500 MD