

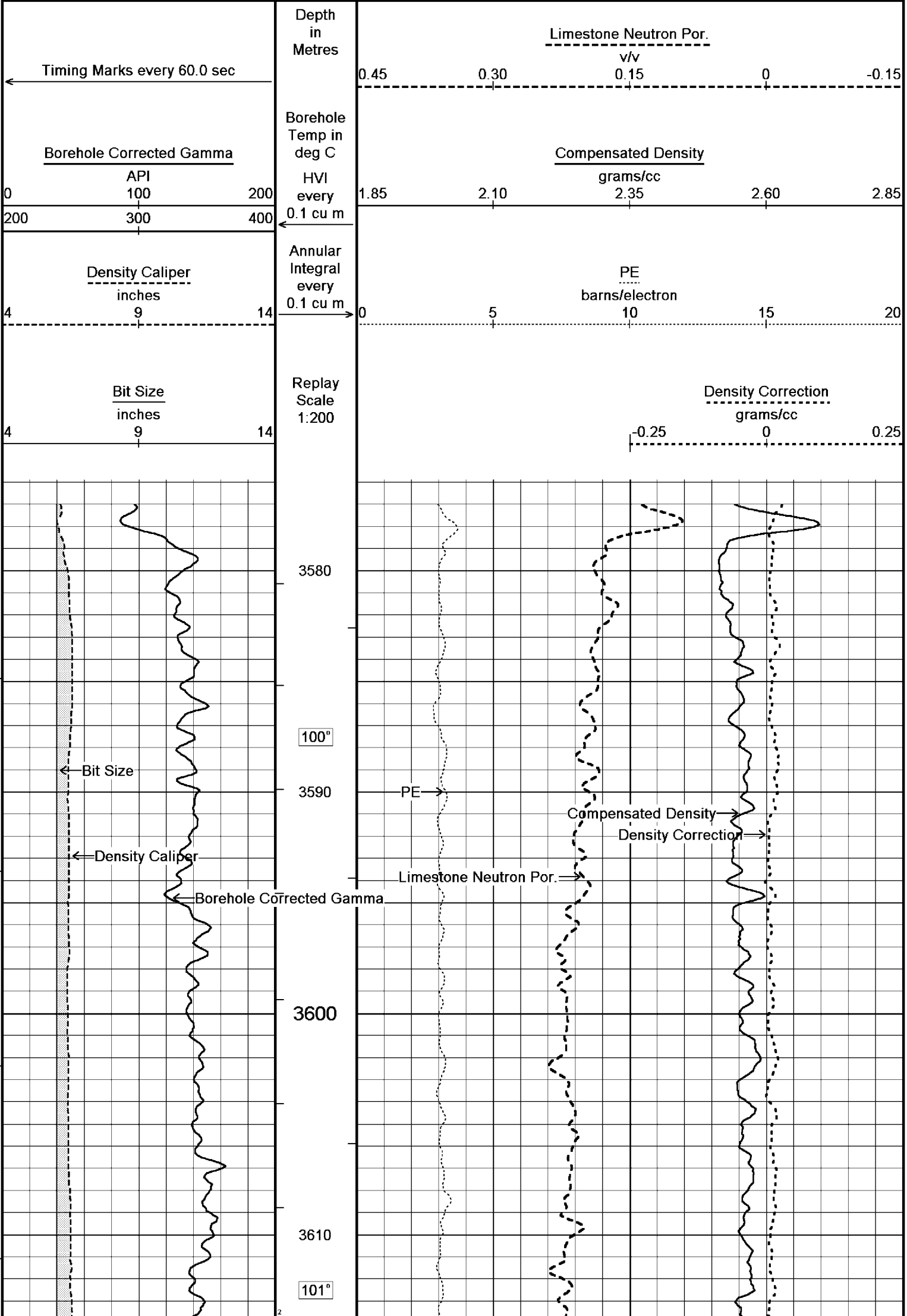
Reeves

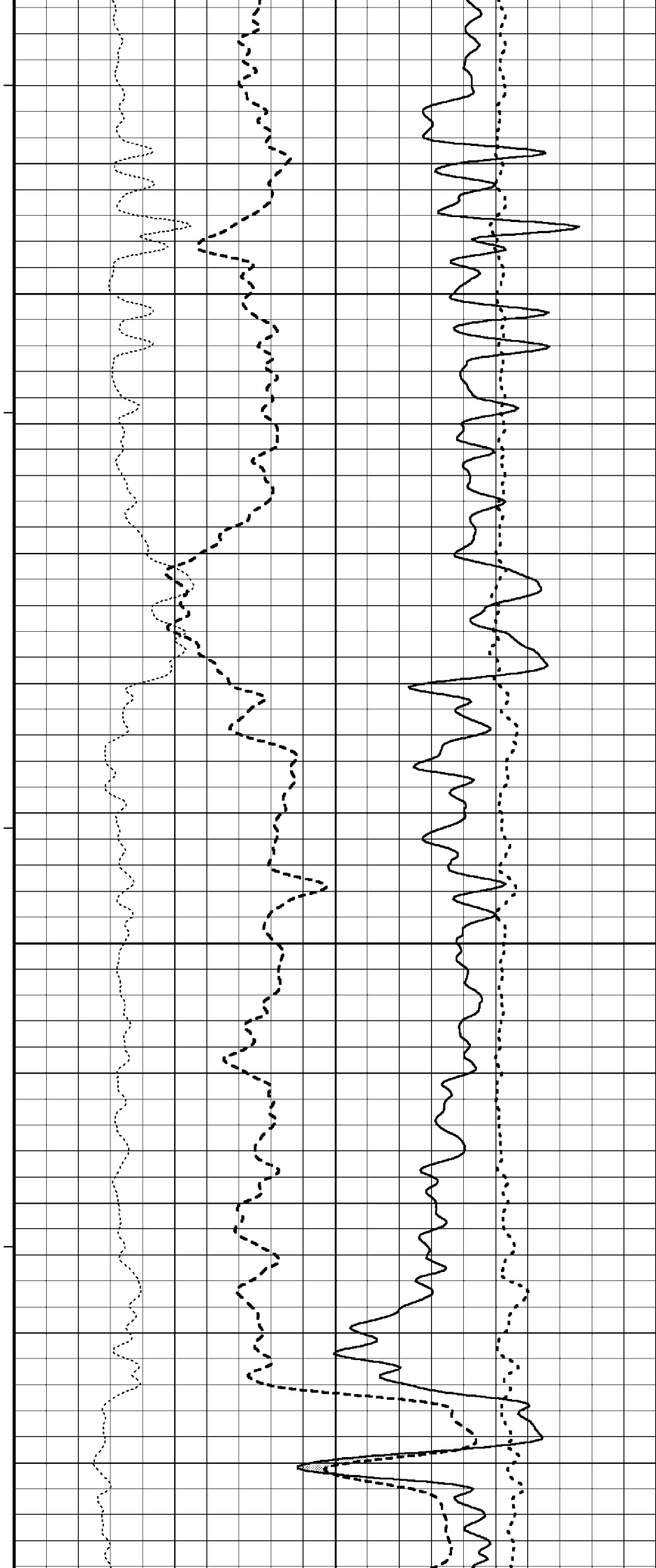
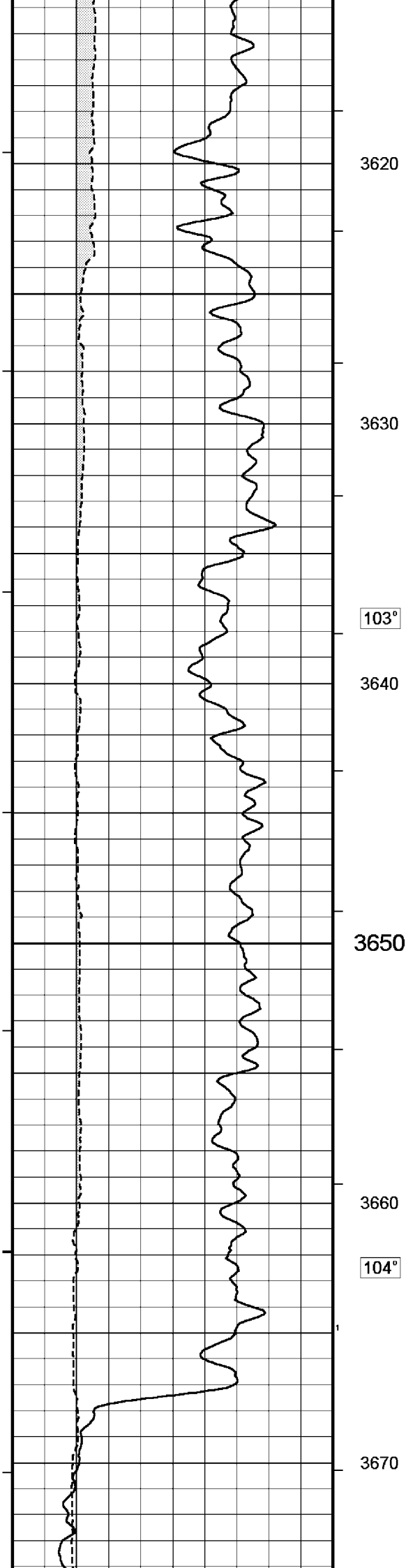
PHOTO DENSITY COMPENSATED NEUTRON 1:200 MD

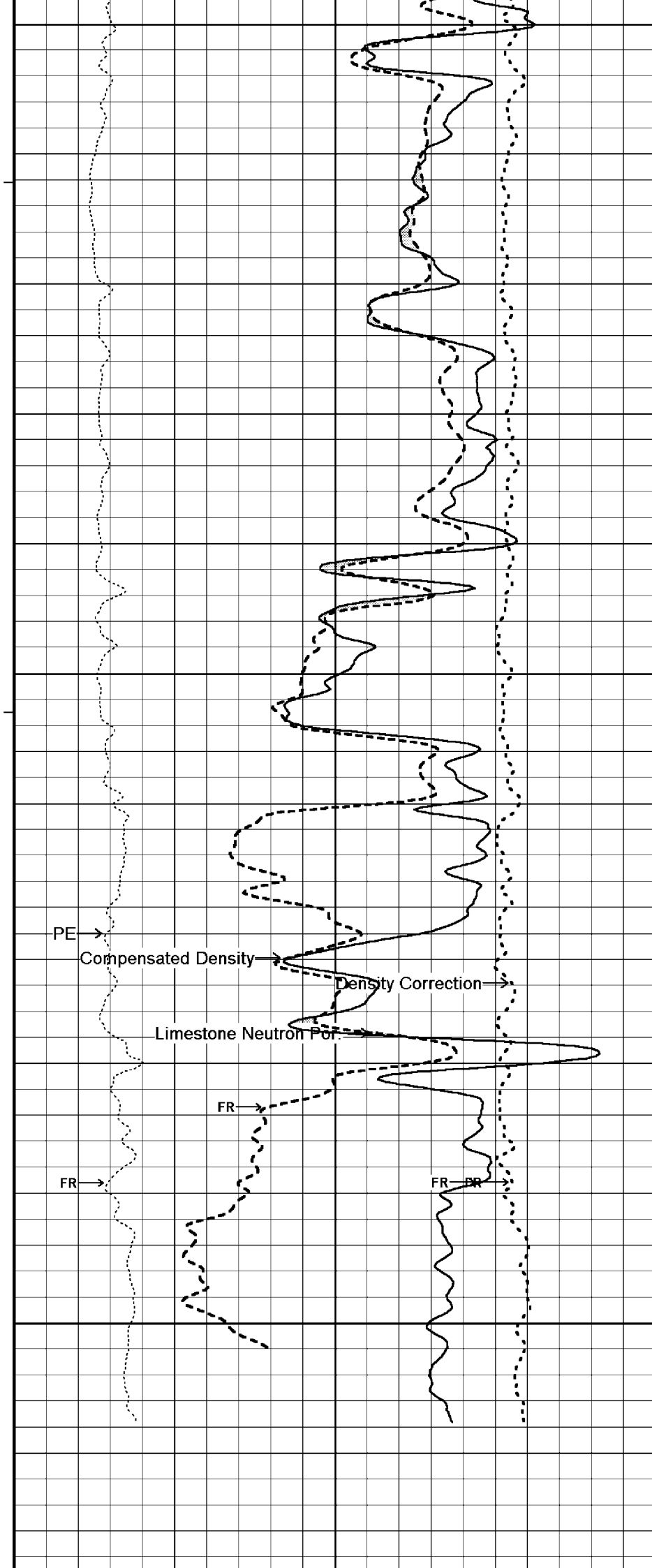
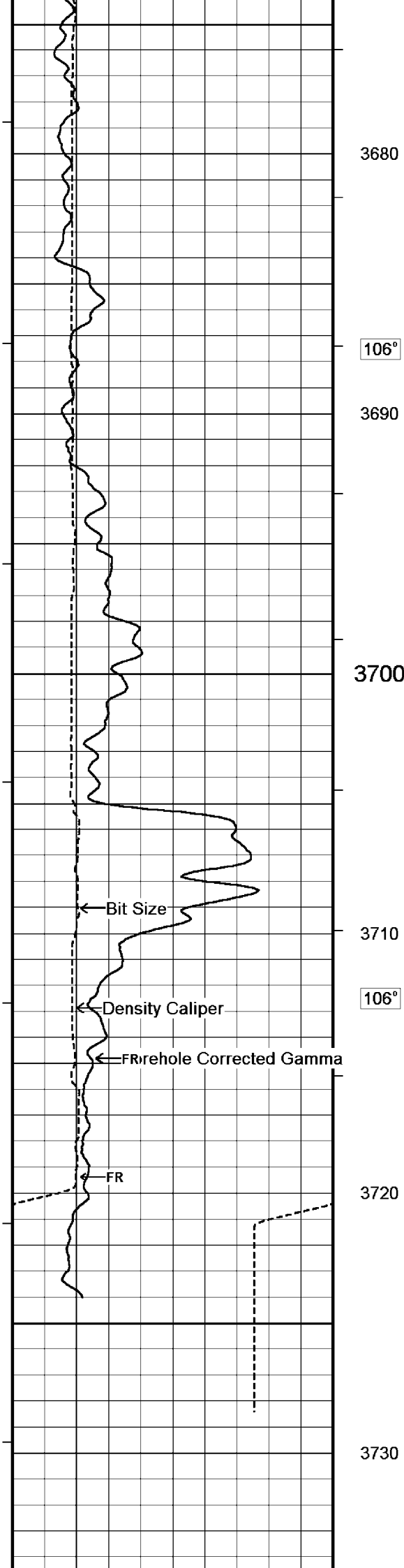
COMPANY	ESSO AUSTRALIA PTY. LTD.		
WELL	FLOUNDER A-18a		
FIELD	GIPPSLAND BASIN		
PROVINCE/COUNTY	BASS STRAIT		
COUNTRY/STATE	AUSTRALIA		
LOCATION	5758711.43 m N, 625855.81 m E 38°18'39.155" S, 148°26'22.358" E		
LSD	SEC	TWP	RGE
API Number	Other Services DUAL LATEROLOG MICRO LATEROLOG COMPENSATED SONIC		
Permit Number			
Permanent Datum MSL	, Elevation 0 metres		
Log Measured From RT@33.85 metres above Permanent Datum			
Drilling Measured From RT			
Date	30-Jun-2003		
Run Number	2		
Depth Driller	3737.00 metres		
Depth Logger	3736.85 metres		
First Reading	3736.00 metres		
Last Reading	3577.00 metres		
Casing Driller	3329.50 metres		
Casing Logger	3329.00 metres		
Bit Size	6.00 inches		
Hole Fluid Type	KCl/PHPA/GLY		
Density / Viscosity	9.90 lb/USg 75.00 sec/qt		
PH / Fluid Loss	9.00 2.60 ml/30Min		
Sample Source	FLOWLINE		
Rm @ Measured Temp	0.118 @ 25.0 ohm-m		
Rmf @ Measured Temp	0.103 @ 25.0 ohm-m		
Rmc @ Measured Temp	0.28 @ 25.0 ohm-m		
Source Rmf / Rmc	PRESS ohm-m		
Rm @ BHT	0.044 @ 106.5 ohm-m		
Time Since Circulation	15 HRS		
Max Recorded Temp	106.50 deg C		
Equipment Name	COMPACT		
Equipment / Base	1 SALE		
Recorded By	M. Barnes, P. Hodges		
Witnessed By	E. Espiritu		
Circ. Stopped	2300 29Jun03		

BOREHOLE RECORD				
Bit Size inches		Depth From metres		Depth To metres
8.500		1225.00		3337.40
6.000		3329.50		3736.00
CASING RECORD				
Type	Size inches	Depth From metres	Shoe Depth metres	Weight pounds/ft
K-55	10.750	0.00	1225.00	0.00
R3	7.000	0.00	3329.50	26.00
REMARKS				
DRILLING RIG: NABORS (ISDL) 453.				
REEVES COMPACT WIRELINE TOOLS RUN ON SCHLUMBERGER UNIT.				
HTHP: 9.2 ml/30 min @ 121°C				
MAX DEVIATION: 57.5° @ 1307 m MD.				
MAX DOG LEG SEVERITY: 5.57°/30 m MD.				
REEVES CREW: M.BARNES, G.MCMANUS, S.MOONEY, P.HODGES.				

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.







Bit Size
inches
9

Replay
Scale
1:200

Density Correction
grams/cc
0

-0.25

0.25

3650

3660

104°

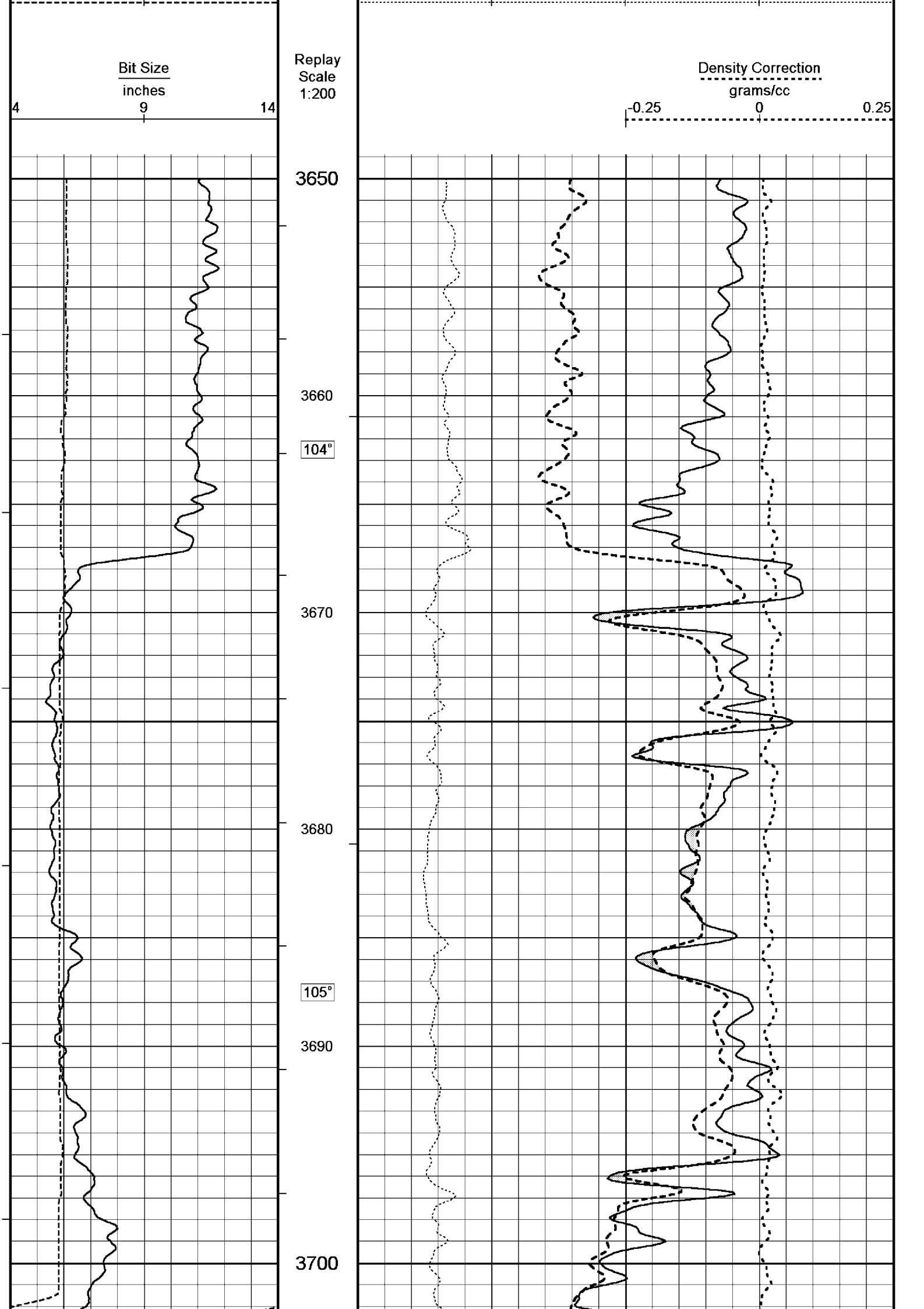
3670

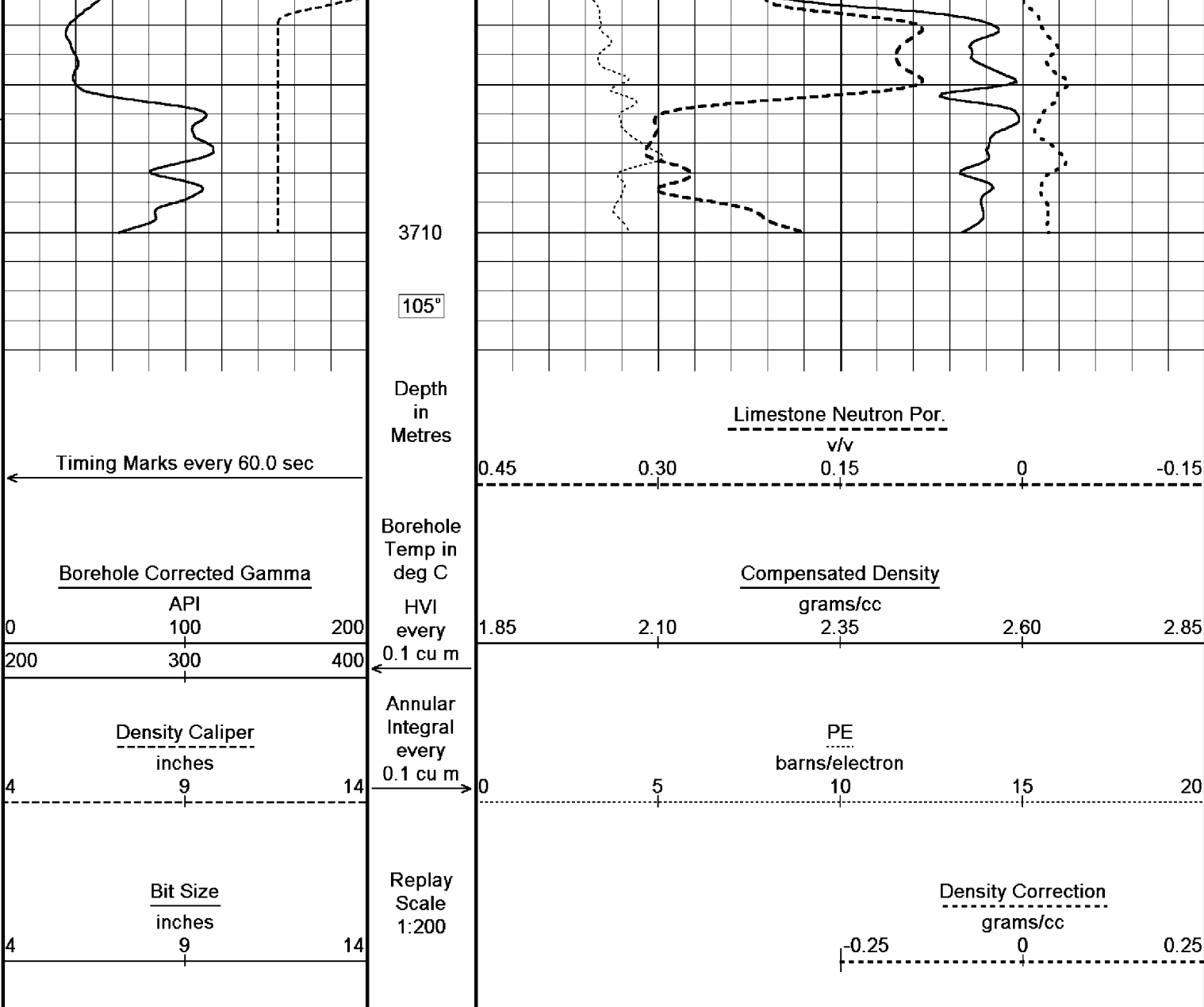
3680

105°

3690

3700





Depth Based Data - Maximum Sampling Increment 10.0cm
Filename: C:\Data\FLA A18a TD\B & W Replay\Mpd\FLA_A18a_Repeat.dta
System Configuration Dates: Logged 23-OCT-2002: Plotted 23-OCT-2002:

Plotted on 12-AUG-2003 12:22
Recorded on 30-JUN-2003 14:04

↑ REPEAT SECTION 1:200 ↑

BEFORE SURVEY CALIBRATION

C:\Data\FLA A18a TD\B & W Replay\Mpd\FLA_A18a_Main_Log.dta

General Constants All 000

General Parameters
Mud Resistivity 0.05 ohm-metres
Mud Resistivity Temperature 100.00 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 5.00 inches
Caliper for Differential Caliper None

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 044

Field Calibration on 28-MAR-2003,17:35

Measured Calibrated(Deg C)

Lower	0.00	0.00
Upper	100.00	100.00
High Resolution Temperature Constants MCG 044		
Pre-filter Length	11	
Gamma Calibration MCG 044		
	Measured	Calibrated (API)
Background	13	8
Calibrator (Gross)	1453	917
Calibrator (Net)	1439	909
Gamma Constants MCG 044		
Gamma Calibrator Number	060	
Mud Density	1.19	gm/cc
Caliper Source for Processing	Density Caliper	
Tool Position	Eccentred	
Concentration of KCl	0.00	kppm
Neutron Calibration MDN 068		
	Base Calibration on 30-MAY-2003 09:57 Field Check on 27-JUN-2003 01:03	
Base Calibration		
	Measured	Calibrated (cps)
	Near Far	Near Far
	2738 85	3714 110
Ratio	32.377	33.764
Field Calibrator at Base		
		Calibrated (cps)
		1911 2814
Ratio		0.679
Field Check		
		Calibrated (cps)
		1878 2717
Ratio		0.691
Neutron Constants MDN 068		
Neutron Source Id	724	
Neutron Jig Number	52	
Epithermal Neutron	No	
Caliper Source for Processing	Density Caliper	
Stand-off	0.00	inches
Mud Density	1.19	gm/cc
Limestone Sigma	7.10	cu
Sandstone Sigma	4.26	cu
Dolomite Sigma	4.70	cu
Formation Pressure Source	None	
Formation Pressure	N/A	kpsi
Temperature Source	MCG External Temperature	
Temperature	20.00	degrees C
Mud Salinity	56.00	kppm
Formation Fluid Salinity Source	None	
Formation Fluid Salinity	N/A	kppm
Barite Mud Correction	Not Applied	
Caliper Calibration MPD 067		
	Base Calibration on 30-JUN-2003,13:57 Field Calibration on 30-JUN-2003,13:58	
Base Calibration		
Reading No	Measured	Calibrator Size (in)
1	14801	4.61
2	24384	6.59
3	34288	8.58
4	44305	10.54
5	55264	12.61
6	N/A	N/A
Field Calibration		
	Measured Caliper (in)	Actual Caliper (in)
	5.99	5.99
Photo Density Calibration MPD 067		
	Base Calibration on 6-MAY-2003 15:04 Field Check on 27-JUN-2003 01:09	
Density Calibration		
Base Calibration		
	Measured	Calibrated (sdu)
	Near Far	Near Far
Reference 1	57806 19943	53282 19349

Field Check at Base

953.2

1156.3

Field Check

944.2

1149.1

PE Calibration				
Base Calibration		Measured		Calibrated
	WS	WH	Ratio	Ratio
Background	180	826		
Reference 1	18413	57614	0.321	0.318
Reference 2	7218	26872	0.270	0.273

Field Check at Base

179.8

825.6

Field Check

177.9

819.9

Density Constants MPD 067

Density Source Id	226	
Nylon Calibrator Number	517	
Aluminium/Fe Calibrator Number	517	
Density Shoe Profile	4 inch	
Caliper Source for Processing	Density Caliper	
PE Correction to Density	Not Applied	
Mud Density	1.19	gm/cc
Mud Density Z/A Correction	1.11	
Mud Filtrate Density	1.00	gm/cc
Dry Hole Mud Filtrate Density	1.00	gm/cc
DNCT	0.00	gm/cc
CRCT	0.00	gm/cc

Matrix Density (gm/cc)	Depth (m)
2.71	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00

DOWNHOLE EQUIPMENT

All measurements relative to tool zero.

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

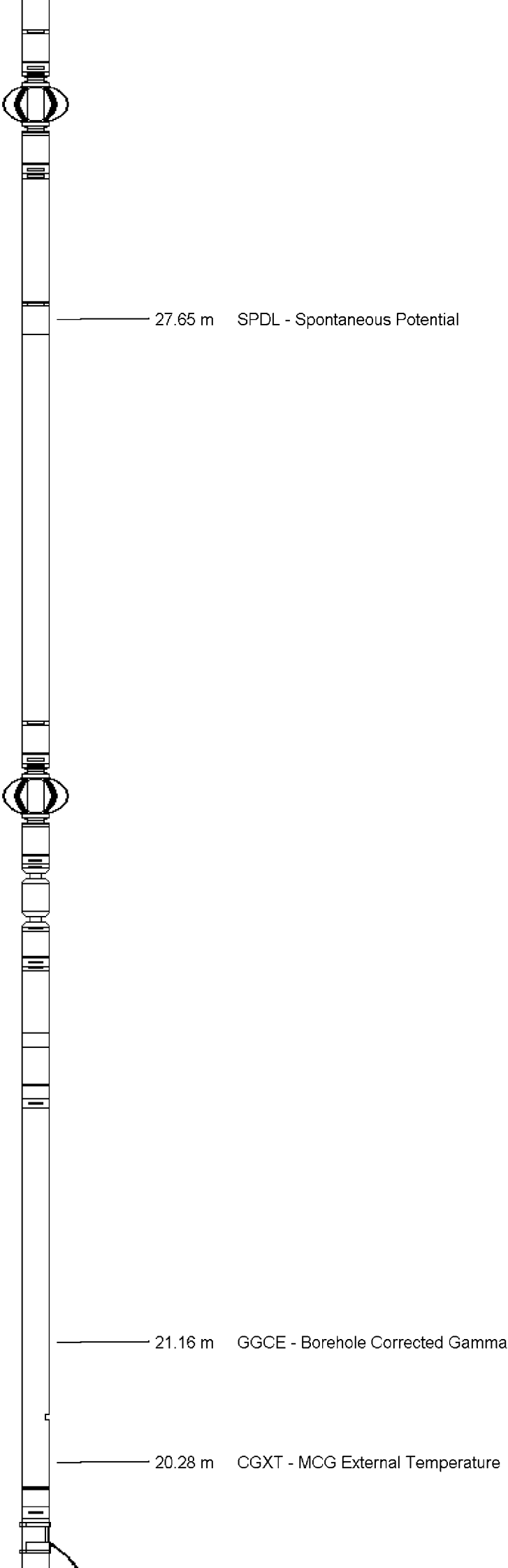
Compact Inline Standoff B
MIS 31 Length: 0.65 m Weight: 15.43 lb

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

Compact Neutron
MDN 68 Length: 1.53 m Weight: 50.71 lb



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

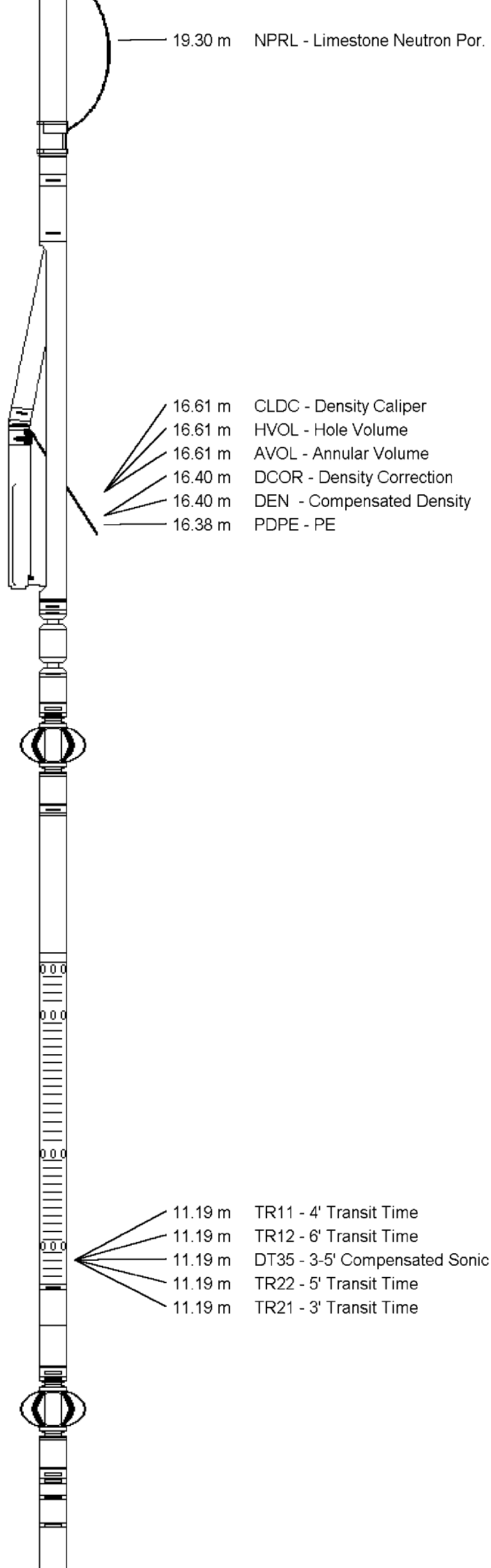
Compact Knuckle Joint
SKJ 45 Length: 0.66 m Weight: 24.25 lb

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

Compact Sonic
MSS 45 Length: 3.82 m Weight: 72.75 lb

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

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



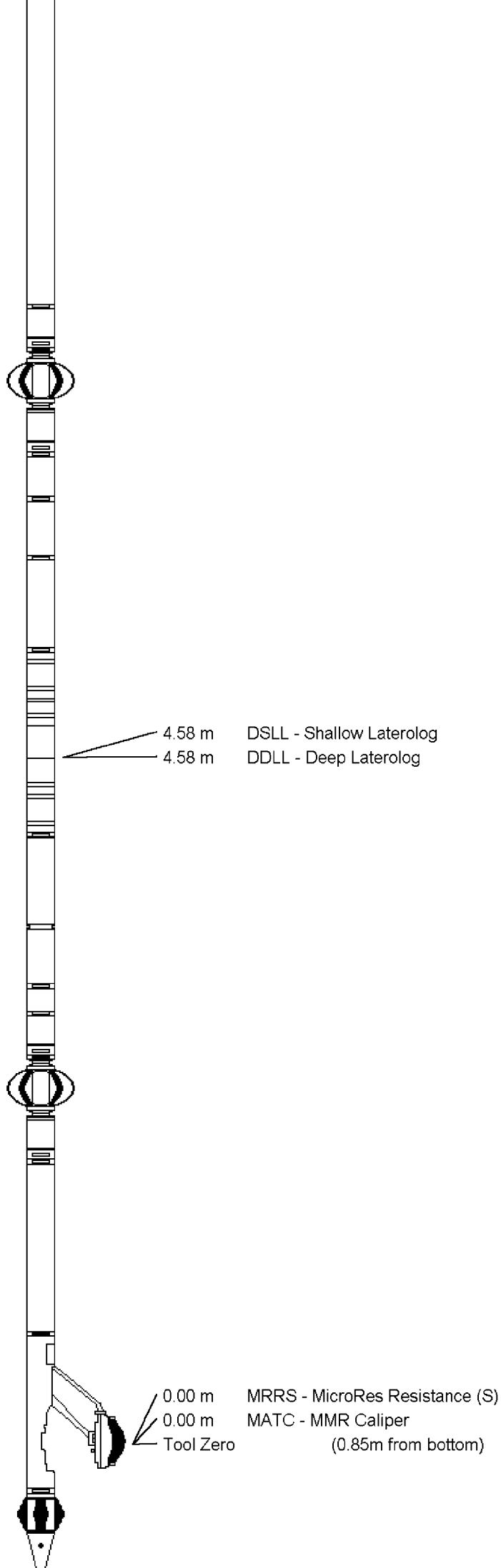
Compact Inline Standoff B
MIS 49 Length: 0.65 m Weight: 15.43 lb

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

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

Compact Micro-Resistivity
MMR 15 Length: 2.62 m Weight: 81.57 lb

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



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WELL	FLOUNDER A-18a
FIELD	GIPPSLAND BASIN
PROVINCE/COUNTY	BASS STRAIT
COUNTRY/STATE	AUSTRALIA

Elevation Kelly Bushing		metres	First Reading	3736.00	metres
Elevation Drill Floor	33.85	metres	Depth Driller	3737.00	metres
Elevation Ground Level	-93.00	metres	Depth Logger	3736.85	metres

Reeves

PHOTO DENSITY
COMPENSATED NEUTRON
1:200 MD