

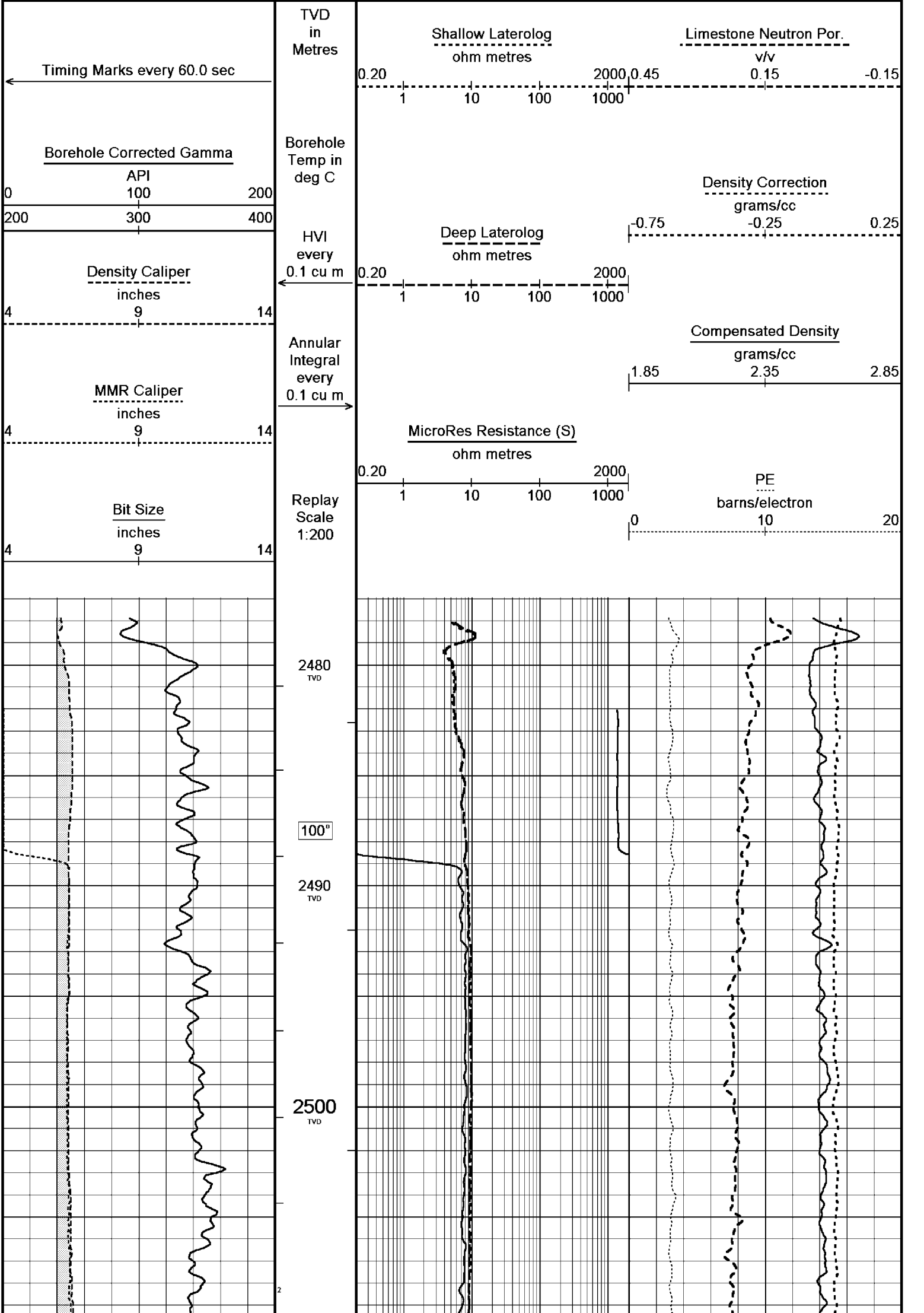
Reeves

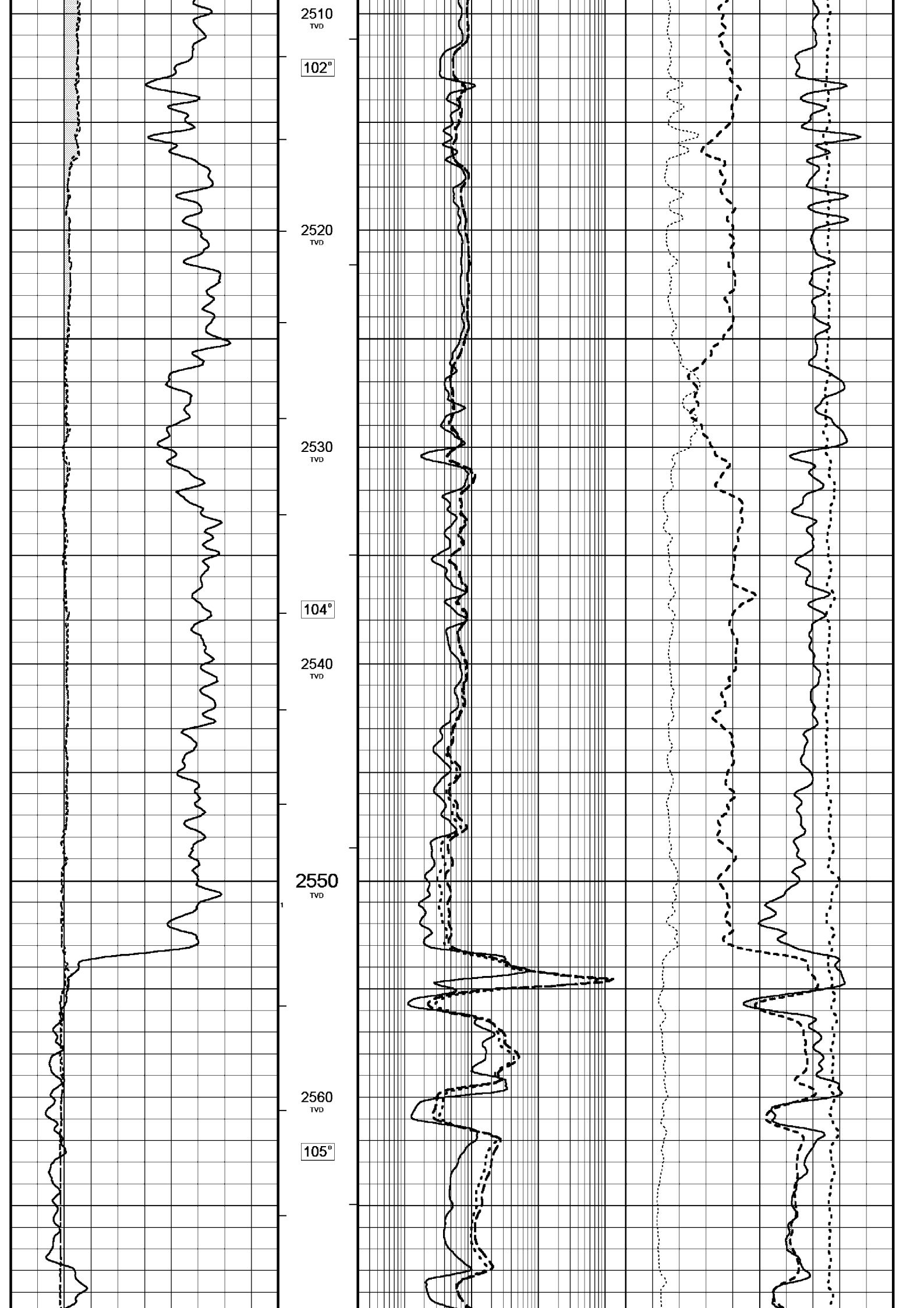
DUAL LATEROLOG - GR DENSITY - NEUTRON 1:200 TVD

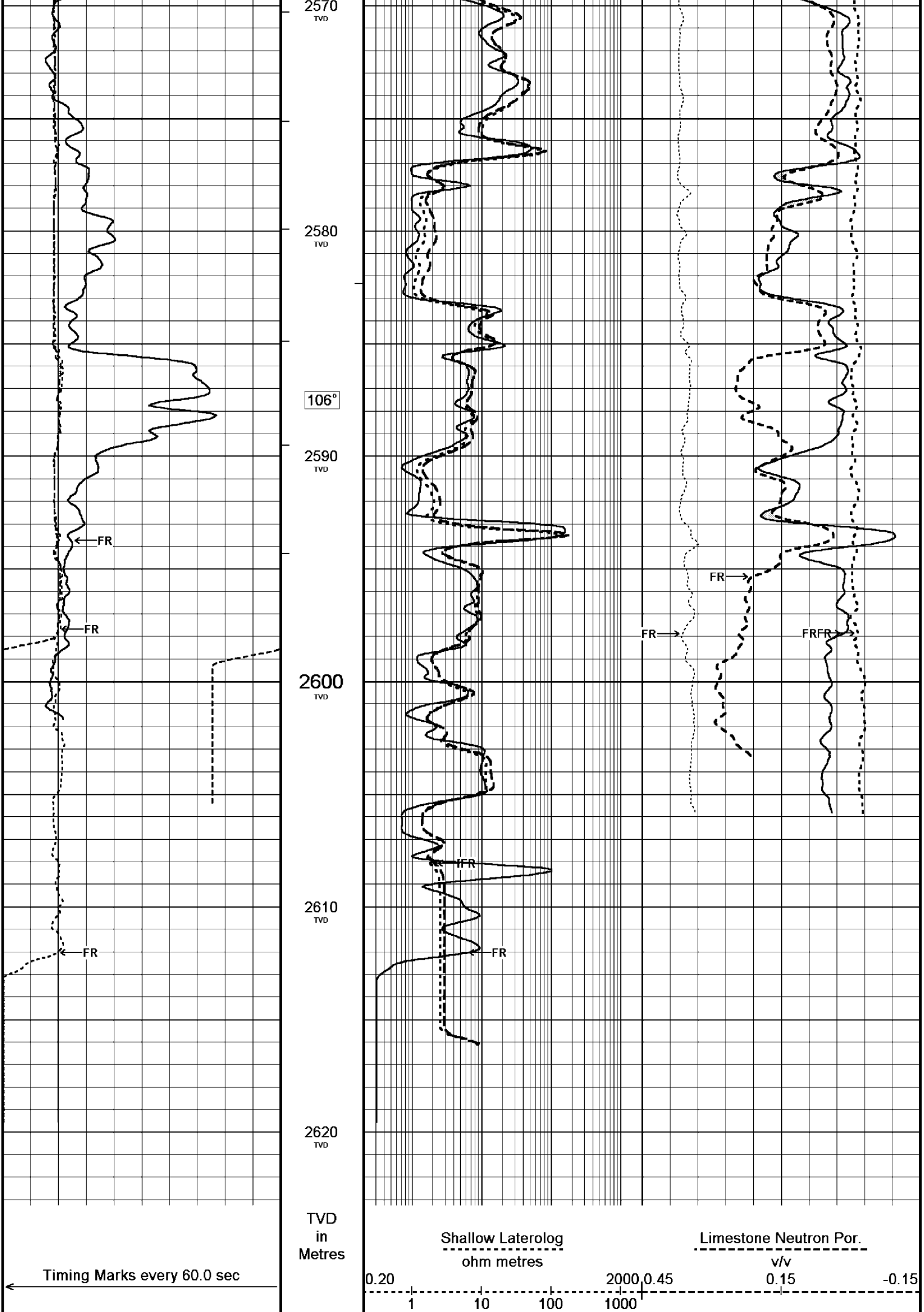
COMPANY	ESSO AUSTRALIA PTY. LTD.				
WELL	FLOUNDER A-18a				
FIELD	GIPPSLAND BASIN				
PROVINCE/COUNTY	BASS STRAIT				
COUNTRY/STATE	AUSTRALIA				
LOCATION	5758711.43 m N, 625855.81 m E 38°18'39.155" S, 148°26'22.358" E				
LSD	SEC	TWP	RGE	Other Services	
				MICRO LATEROLOG	
API Number	COMPENSATED SONIC				
Permit Number					
Permanent Datum MSL	, Elevation 0 metres			Elevations:	
Log Measured From RT@33.85 metres	above Permanent Datum			KB	metres
Drilling Measured From RT				DF	33.85 metres
				GL	-93.00 metres
Date	30-Jun-2003				
Run Number	2				
Depth Driller	2612.90			metres	
Depth Logger	2612.76			metres	
First Reading	2612.03			metres	
Last Reading	2427.10			metres	
Casing Driller	2264.06			metres	
Casing Logger	2263.63			metres	
Bit Size	6.00			inches	
Hole Fluid Type	KCl/PPH/PA/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			PRESS	
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			G. McManus, S. Mooney	
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.

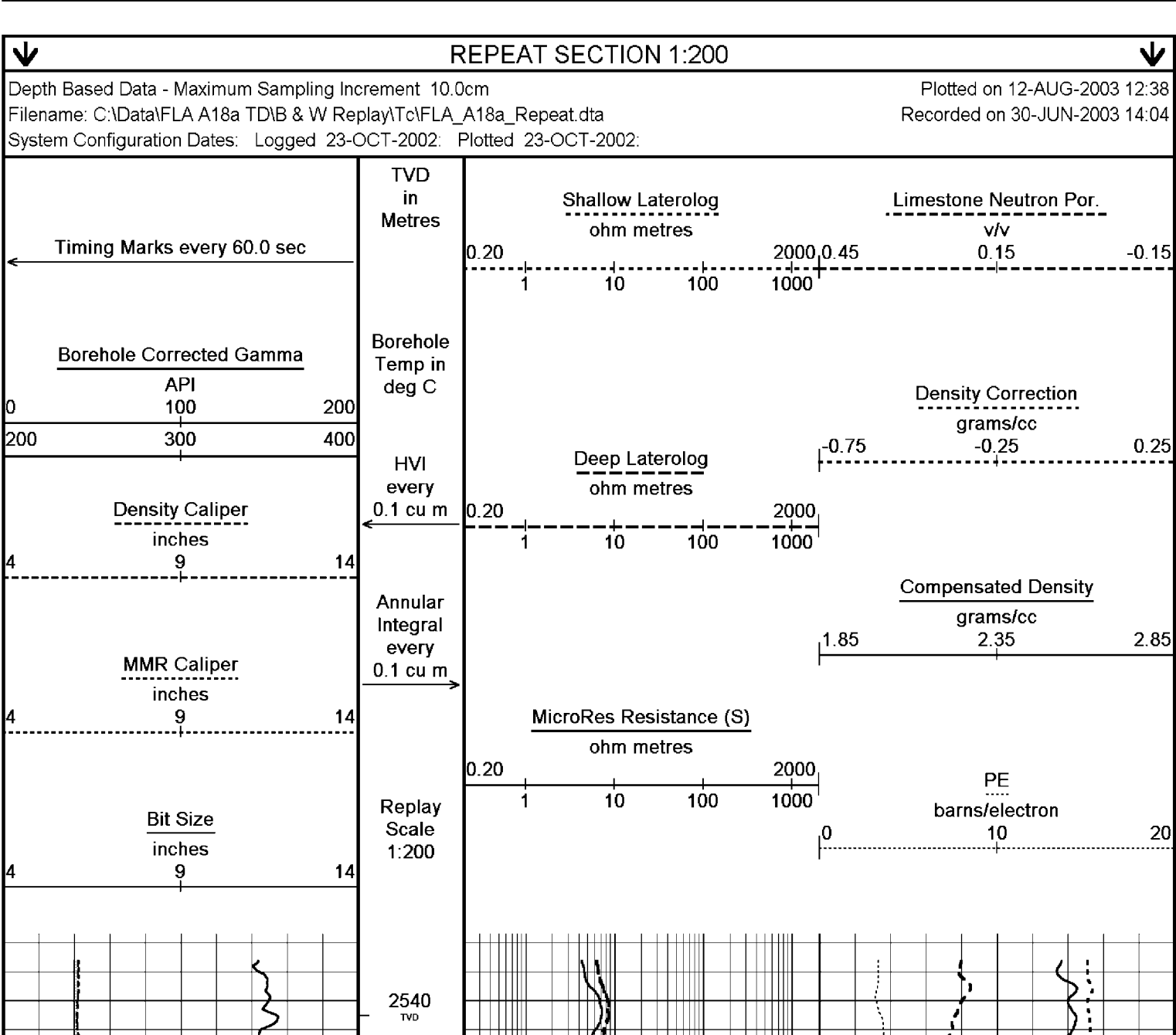
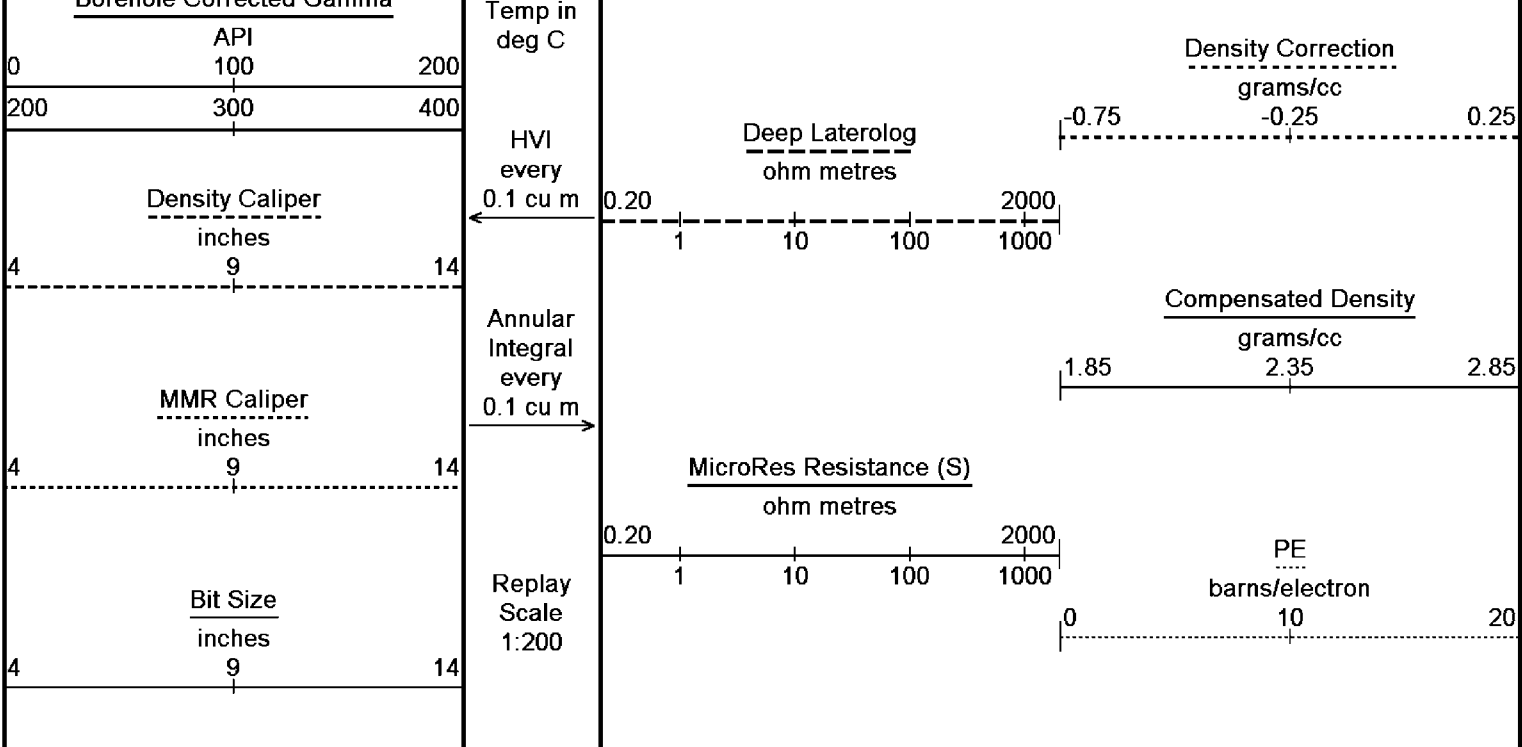


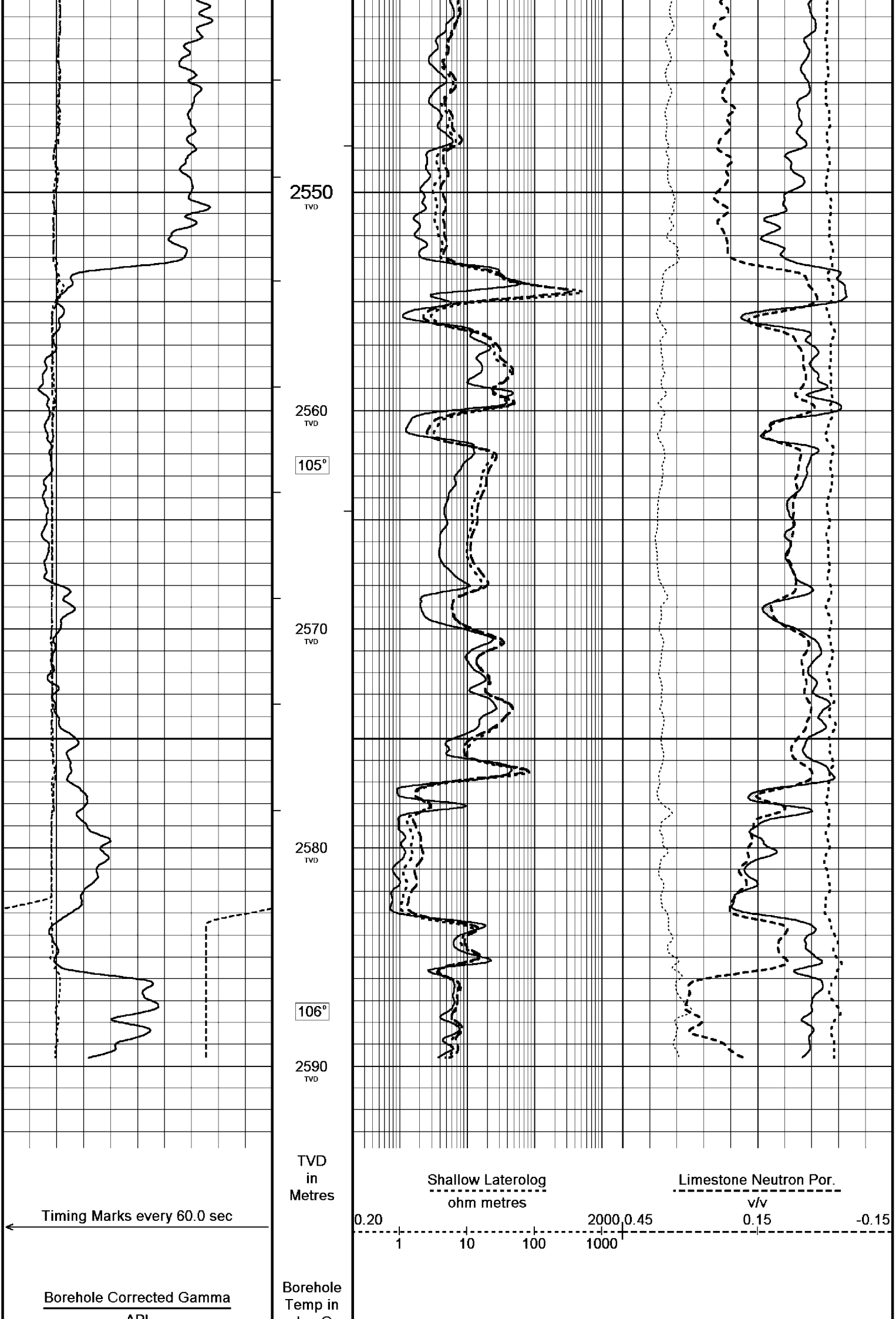


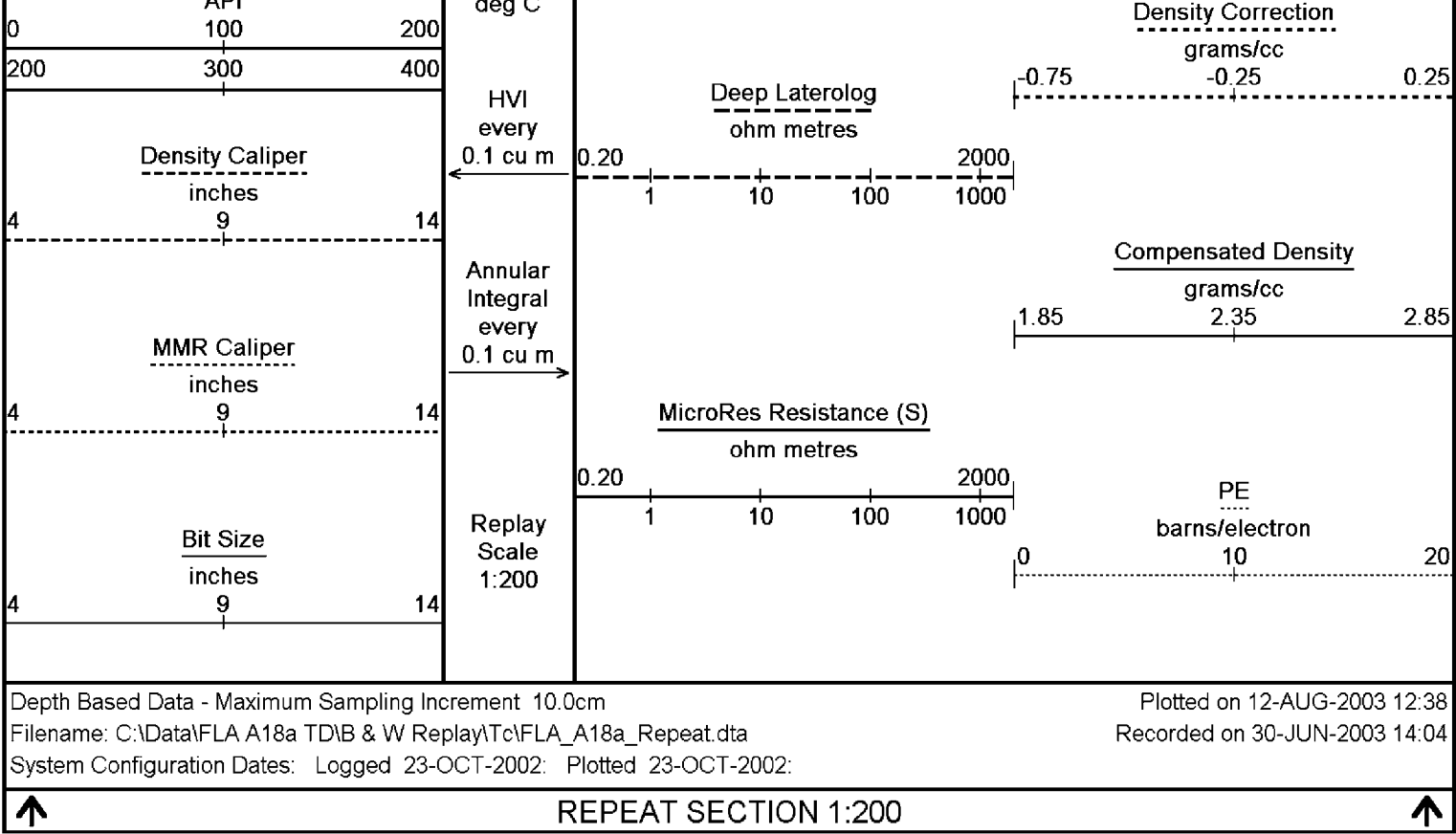


Borehole Corrected Gamma

Borehole







BEFORE SURVEY CALIBRATION			C:\Data\FLA A18a TD\B & W Replay\Tc\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			Field Calibration on 26-JUN-2003 23:43
	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	knpm	

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
32.377		33.764	

Field Calibrator at Base

Calibrated (cps)
1911 2814
0.679

Field Check

Calibrated (cps)	
1878	2717
	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
Reference 2	27010	2601	25298	2555

Field Check at Base

953.2 1156.3

Field Check

944.2 1149.1

PE Calibration

Base Calibration	Measured	Calibrated
WS	WH	Ratio
Background	826	
Reference 1	57614	0.321
Reference 2	26872	0.270

Field Check at Base

179.8 825.6

Field Check

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	

Laterolog Calibration MLE 015

Base Calibration on 6-MAY-2003,20:42
Field Check on 27-JUN-2003,00:20

Base Calibration

Channel	Measured		Calibrated (ohm-m)	
	Resistor 1	Resistor 2	Resistor 1	Resistor 2
Shallow	0.0	973.0	0.0	1327.3
Deep	0.0	973.0	0.0	852.7
Groningen	0.0	973.4	0.0	852.7
Channel	Base Check (ohm-m)		Field Check (ohm-m)	
	Shallow	49.0	49.1	
	Deep	31.5	31.5	
	Groningen	252.0	252.0	

Laterolog Constants MLE 015

Squasher Start	40000	ohm-m
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	

Micro Laterolog Calibration MMR 015

Base Calibration on 15-JUN-2003,10:23
Field Check on 27-JUN-2003 00:41

Base Calibration

	Measured		Calibrated (ohm-m)	
	Ref 1	Ref 2	Ref 1	Ref 2
	0.0	9883.0	0.0	196.0
Base Check (ohm-m)		Field Check (ohm-m)		
		7.9	0.0	

Micro Laterolog Constants MMR 015

Micro Laterolog K Factor	0.0196	
Standoff Offset	0.5000	inches

DOWNHOLE EQUIPMENT

All measurements relative to tool zero.

Compact Stiff Bridle Electrode Sub.
MBE 9 Length: 3.76 m Weight: 94.80 lb



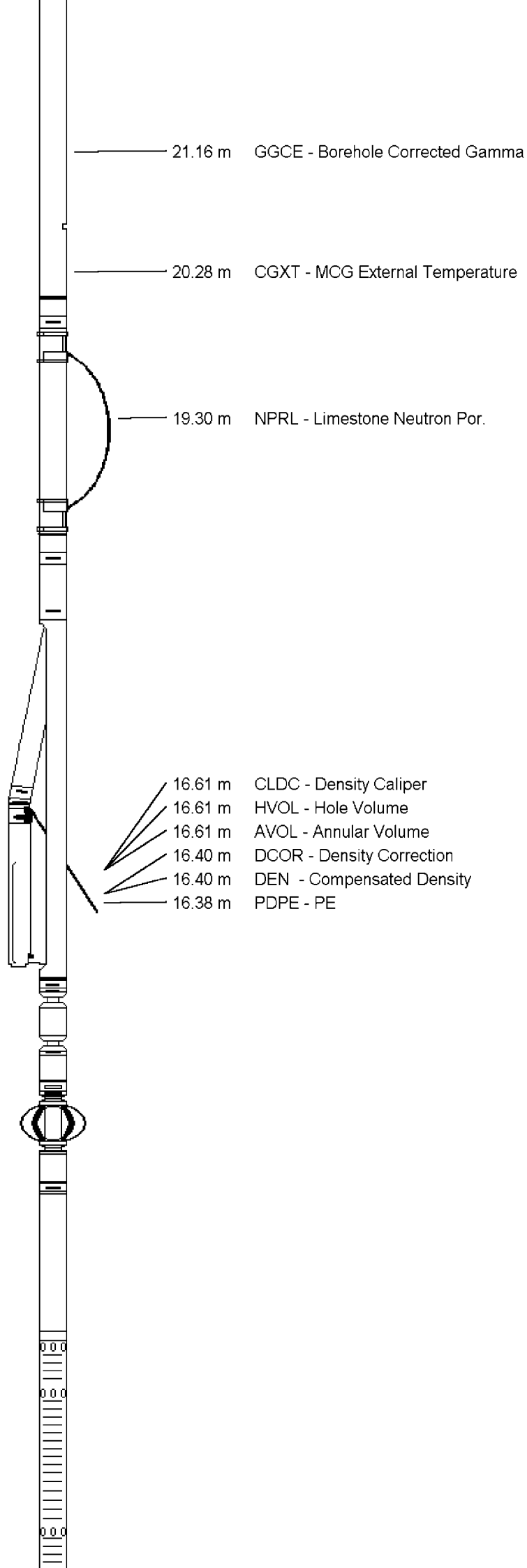
Compact Neutron
MDN 68 Length: 1.53 m Weight: 50.71 lb

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

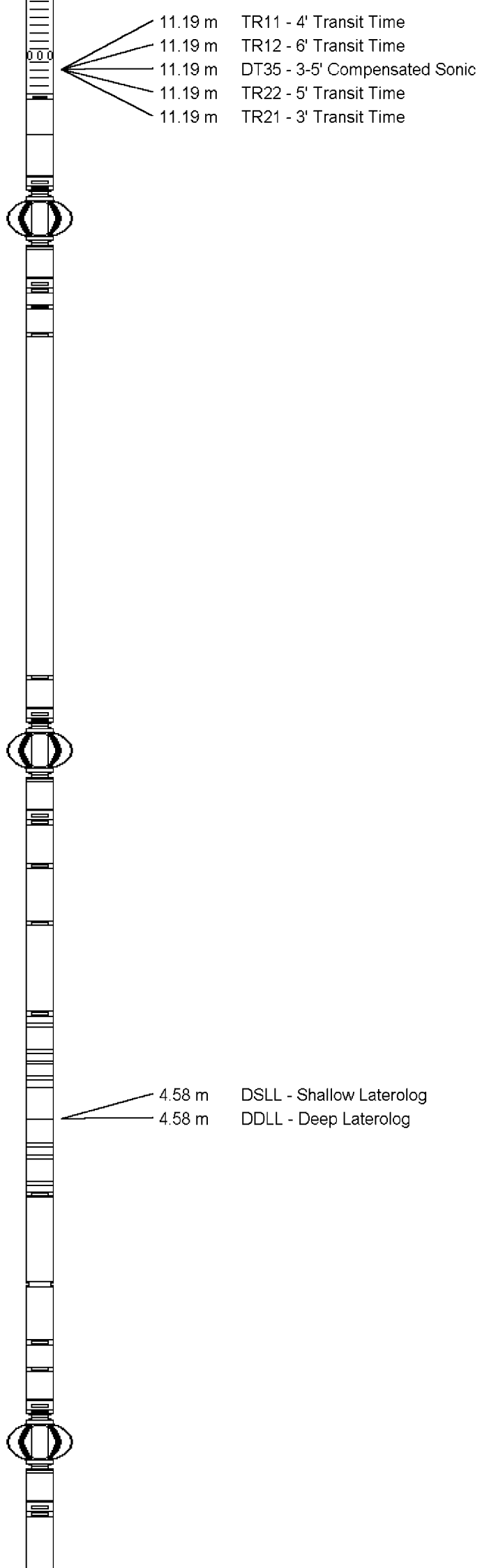
Compact Upper Guard Sub.
MUG 17 Length: 2.74 m Weight: 68.34 lb

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

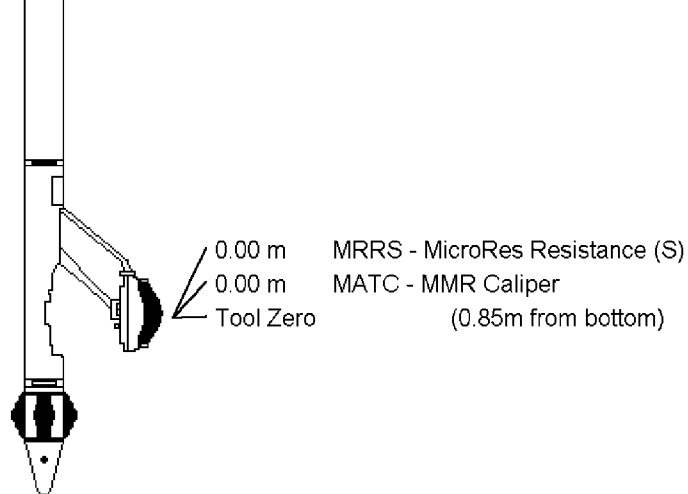
Compact Laterolog Electrode Sub.
MLE 15 Length: 3.76 m Weight: 92.59 lb

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



MMR 10 Length: 2.92 m Weight: 6.61 lb



Pressure Bung + Hole Finder
HFS 3 Length: 0.28 m

Weight: 6.61 lb

Total Length: 33.90 m

Total Weight: 884.05 lb

COMPANY	ESSO AUSTRALIA PTY. LTD.
WELL	FLOUNDER A-18a
FIELD	GIPPSLAND BASIN
PROVINCE/COUNTY	BASS STRAIT
COUNTRY/STATE	AUSTRALIA

Elevation Kelly Bushing	metres	First Reading	2612.03	metres	
Elevation Drill Floor	33.85	metres	Depth Driller	2612.90	metres
Elevation Ground Level	-93.00	metres	Depth Logger	2612.76	metres

DUAL LATEROLOG - GR
DENSITY - NEUTRON
1:200 TVD

Reeves