

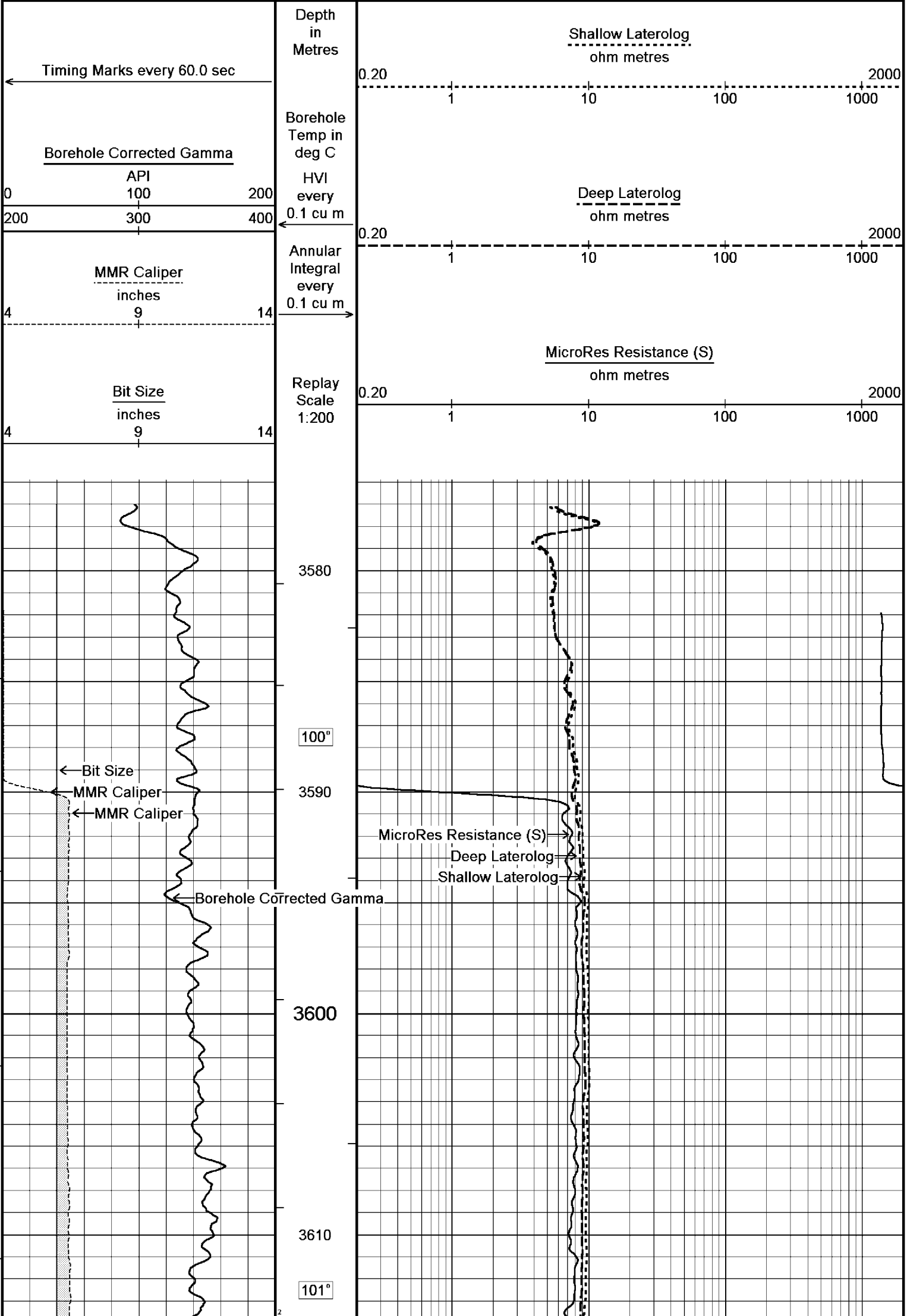
Reeves

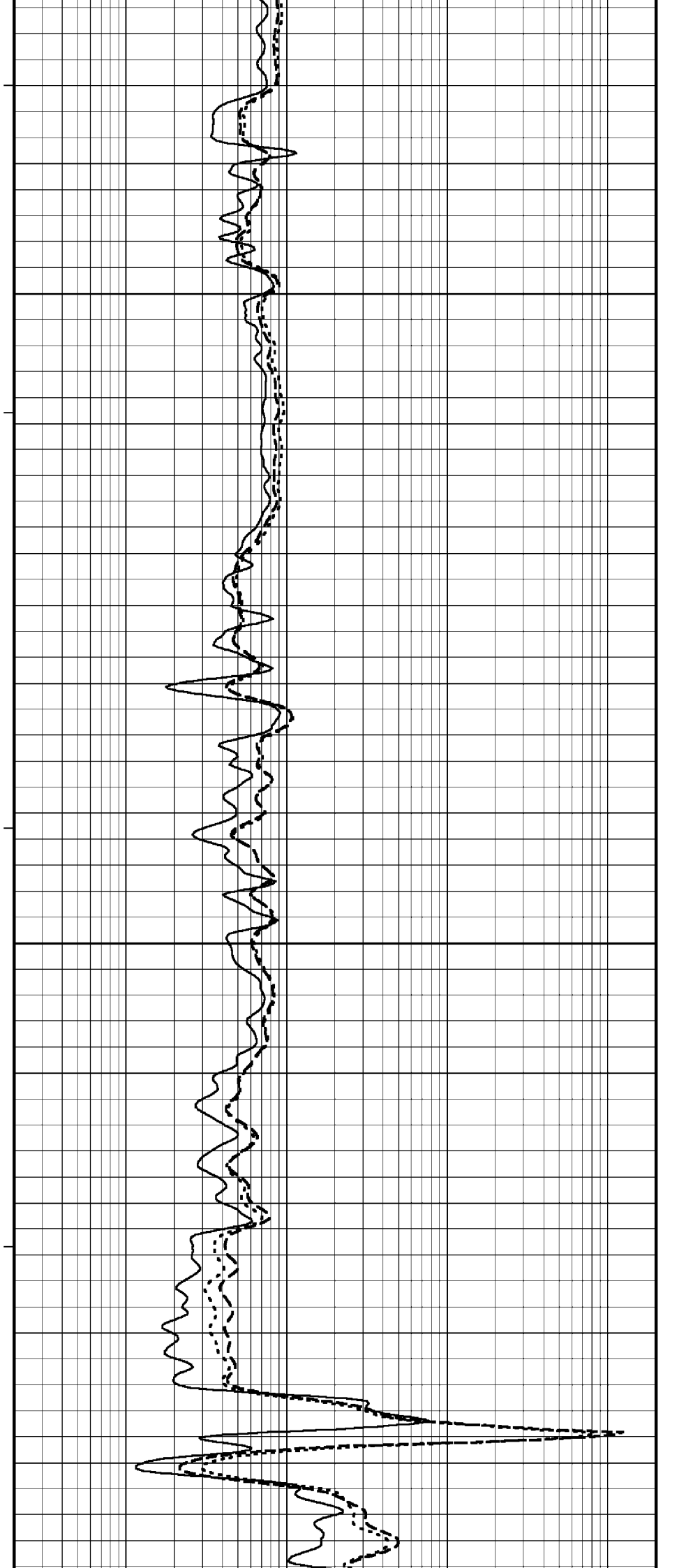
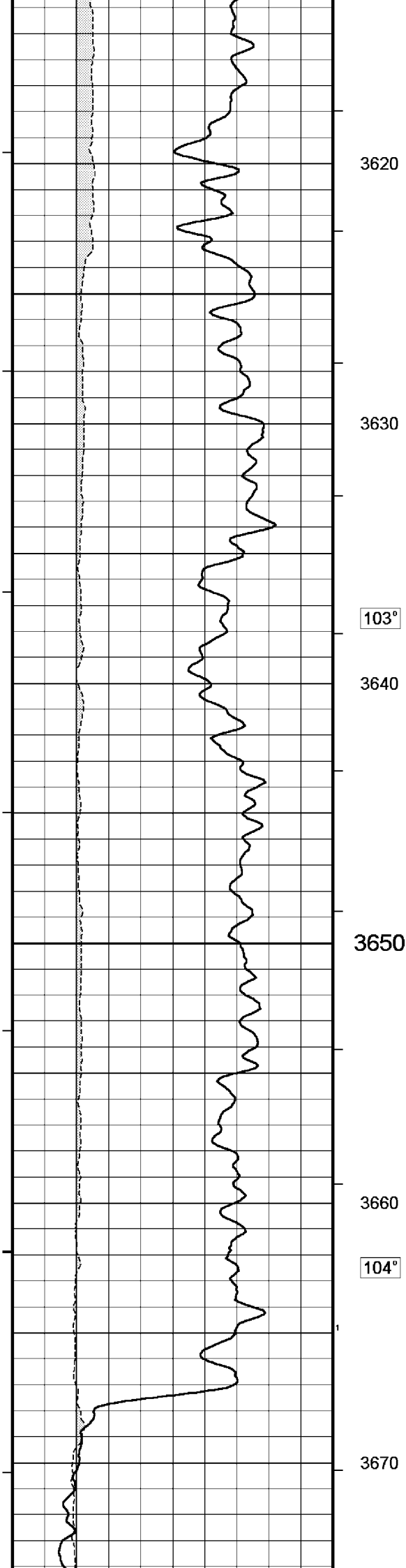
DUAL LATEROLOG - GR MICRO-LATEROLOG 1:200 MD

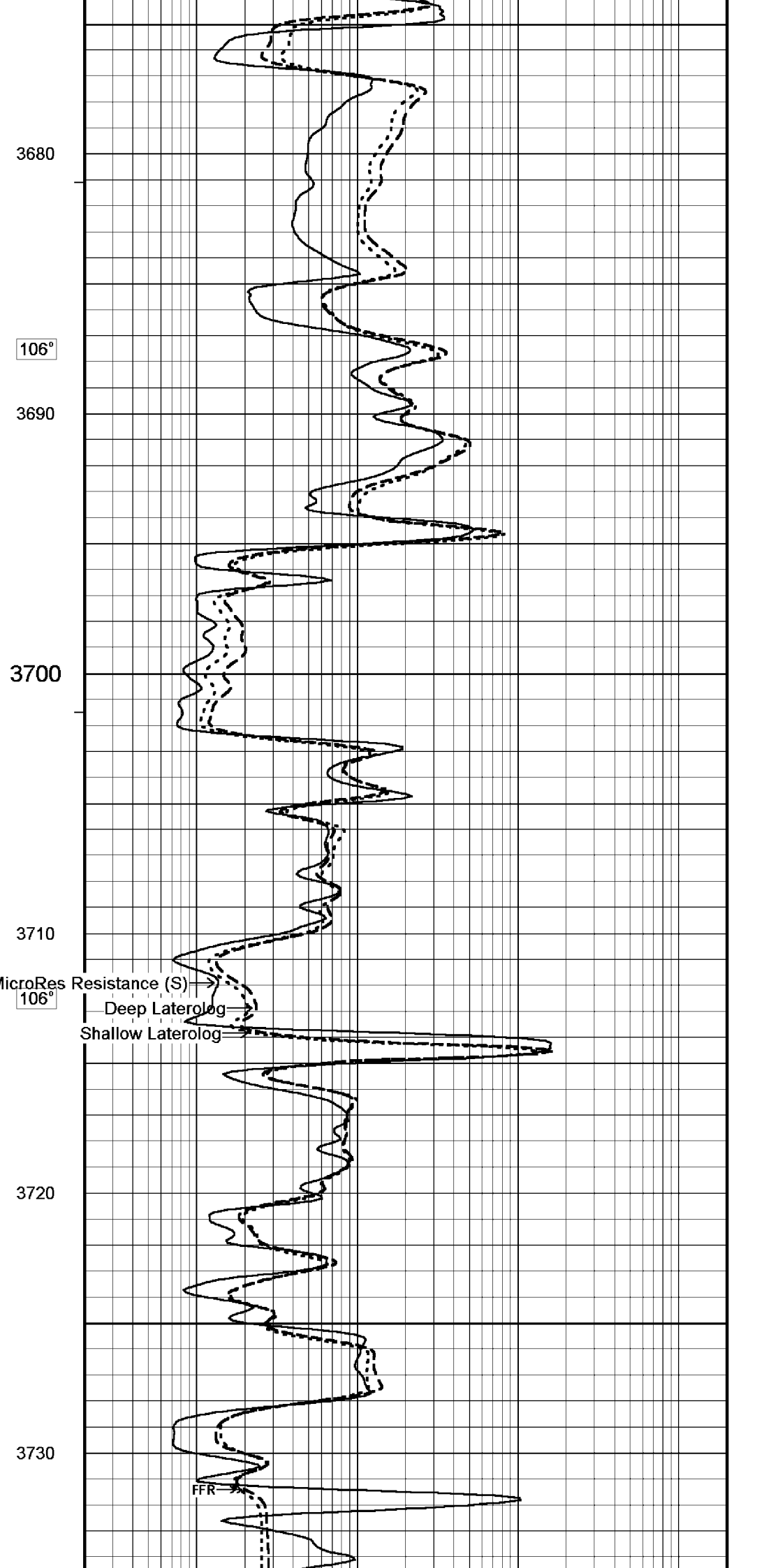
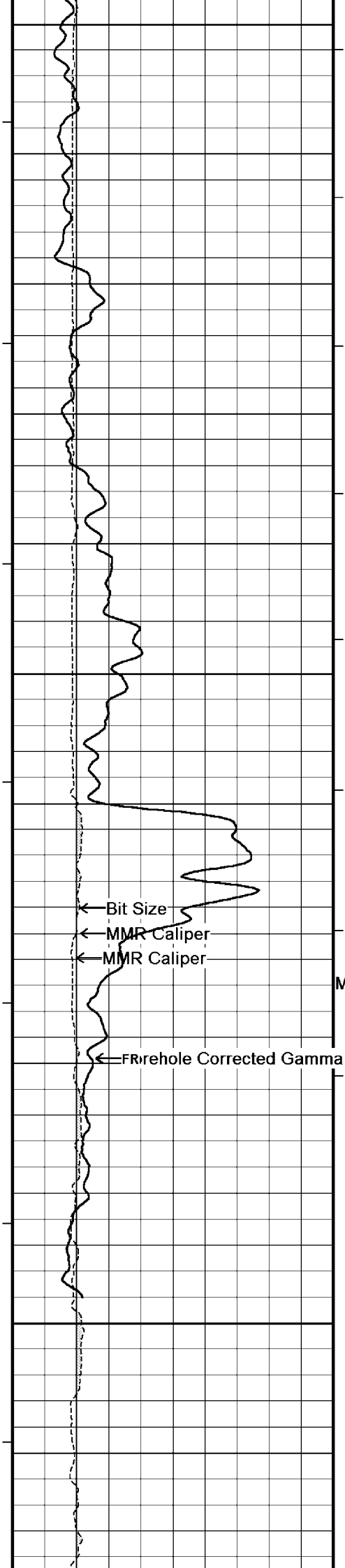
COMPANY	ESSO AUSTRALIA PTY. LTD.		
WELL	FLOUNDER A-18a		
FIELD	GIPPSLAND BASIN		
PROVINCE/COUNTY	BASS STRAIT		
COUNTRY/STATE	AUSTRALIA		
LOCATION	5758711.43 m N, 625855.81 m E 38°18'39.155" S, 148°26'22.358" E		
LSD	SEC	TWP	RGE
API Number	Other Services PHOTO DENSITY		
Permit Number	COMPENSATED NEUTRON COMPENSATED SONIC		
Permanent Datum MSL	, Elevation 0 metres		
Log Measured From RT@33.85 metres	above Permanent Datum		
Drilling Measured From RT			
Date	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

MicroRes Resistance (S)
ohm metres

0.20

1

ohm metres

10

100

1000

2000

3650

3660

104°

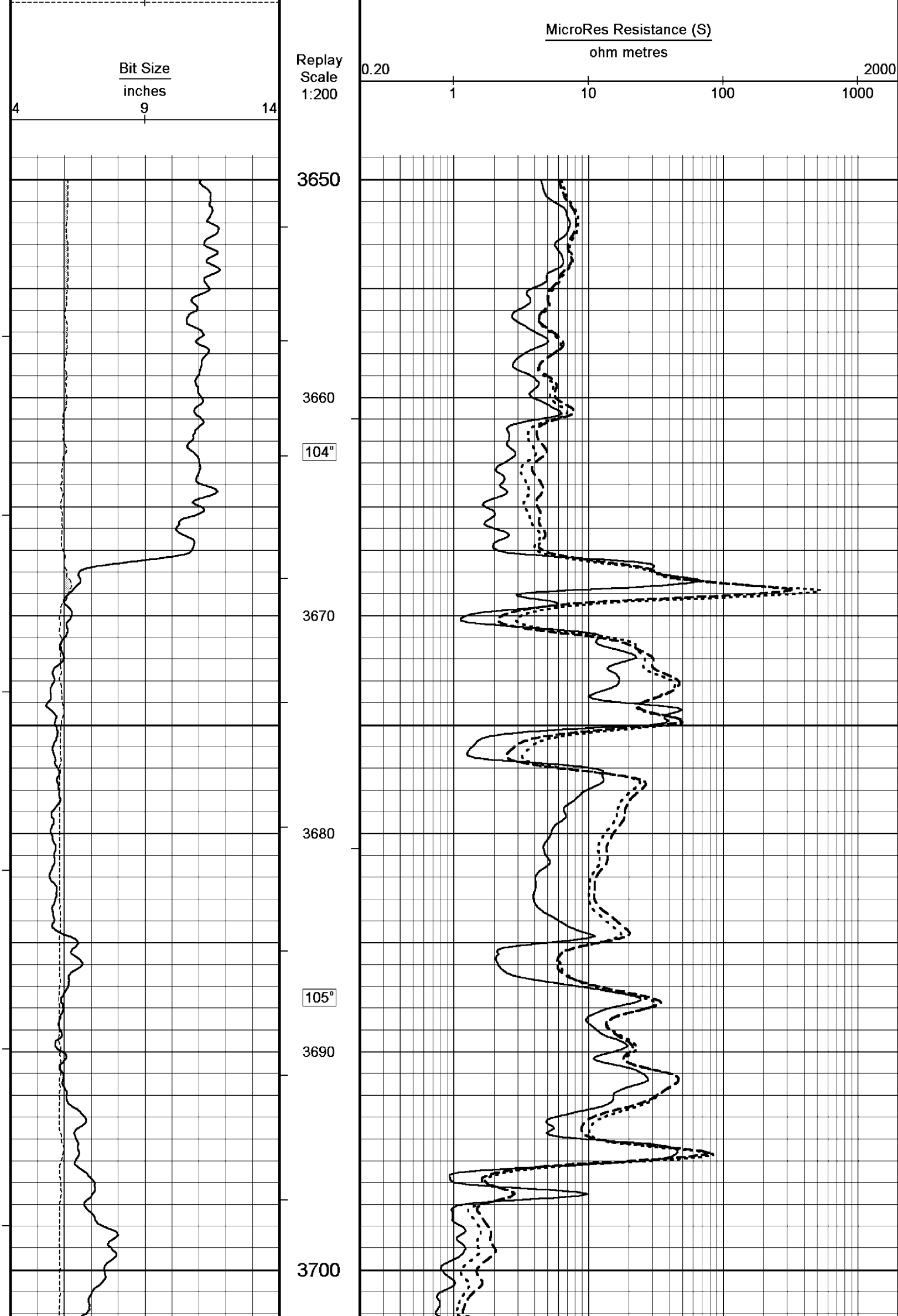
3670

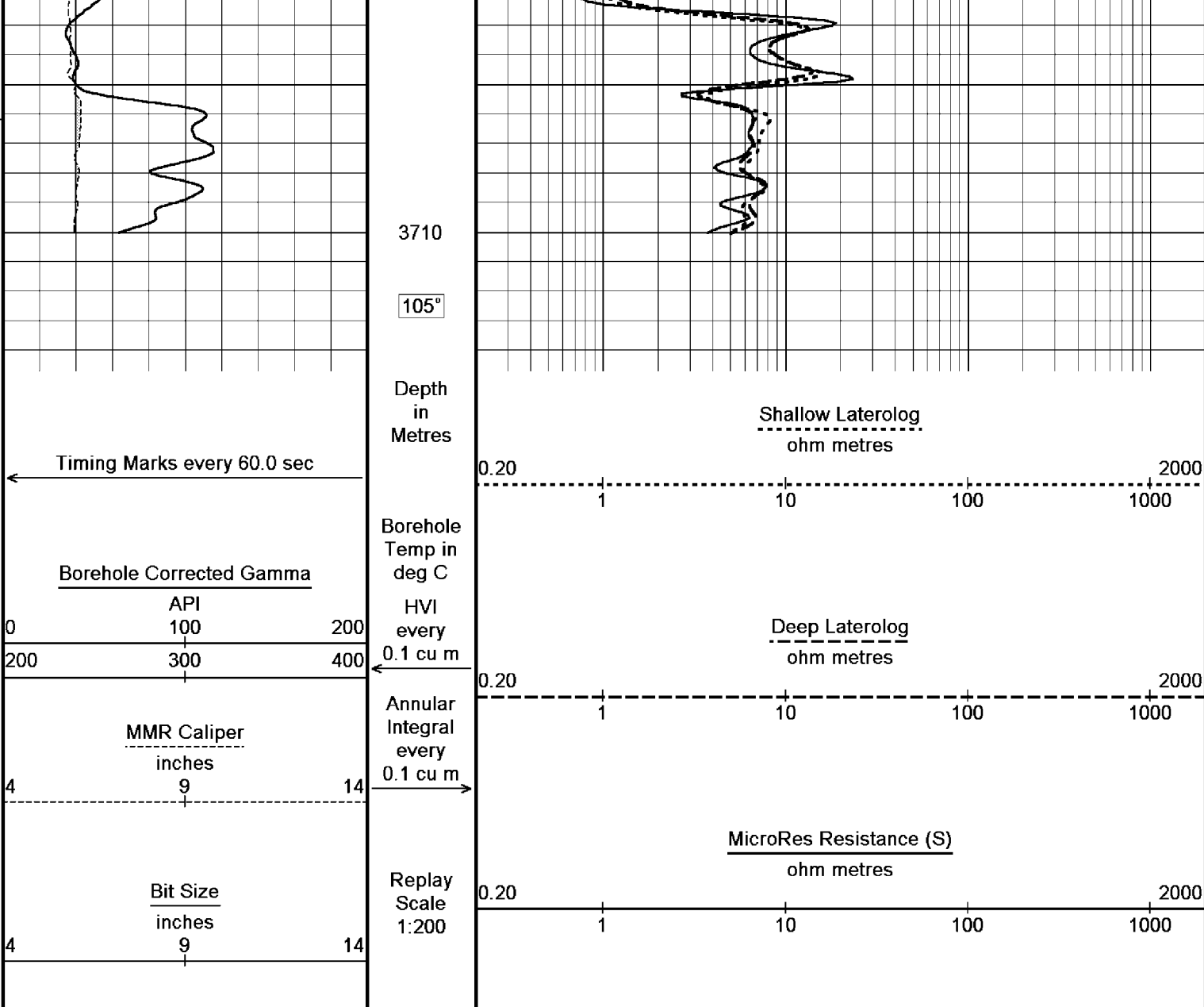
3680

105°

3690

3700





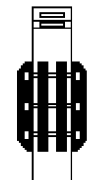
Depth Based Data - Maximum Sampling Increment 10.0cm
Filename: C:\Data\FLA A18a TD\B & W Replay\Md\FLA_A18a_Repeat.dta
System Configuration Dates: Logged 23-OCT-2002: Plotted 23-OCT-2002:
Plotted on 12-AUG-2003 12:13
Recorded on 30-JUN-2003 14:04

BEFORE SURVEY CALIBRATION		
C:\Data\FLA A18a TD\B & W Replay\Md\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
Measured Calibrated(Deg C)
Field Calibration on 28-MAR-2003,17:35

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
Field Calibration on 26-JUN-2003 23:43		
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
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
Laterolog Calibration MLE 015		
		Base Calibration on 6-MAY-2003,20:42
		Field Check on 27-JUN-2003,00:20
Base Calibration		
	Measured	Calibrated (ohm-m)
Channel	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

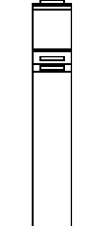
Compact Stiff Bridle Electrode Sub.
MBE 9 Length: 3.76 m Weight: 94.80 lb



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



27.65 m SPDL - Spontaneous Potential

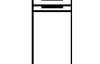
Compact Inline Standoff B
MIS 31 Length: 0.65 m Weight: 15.43 lb



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

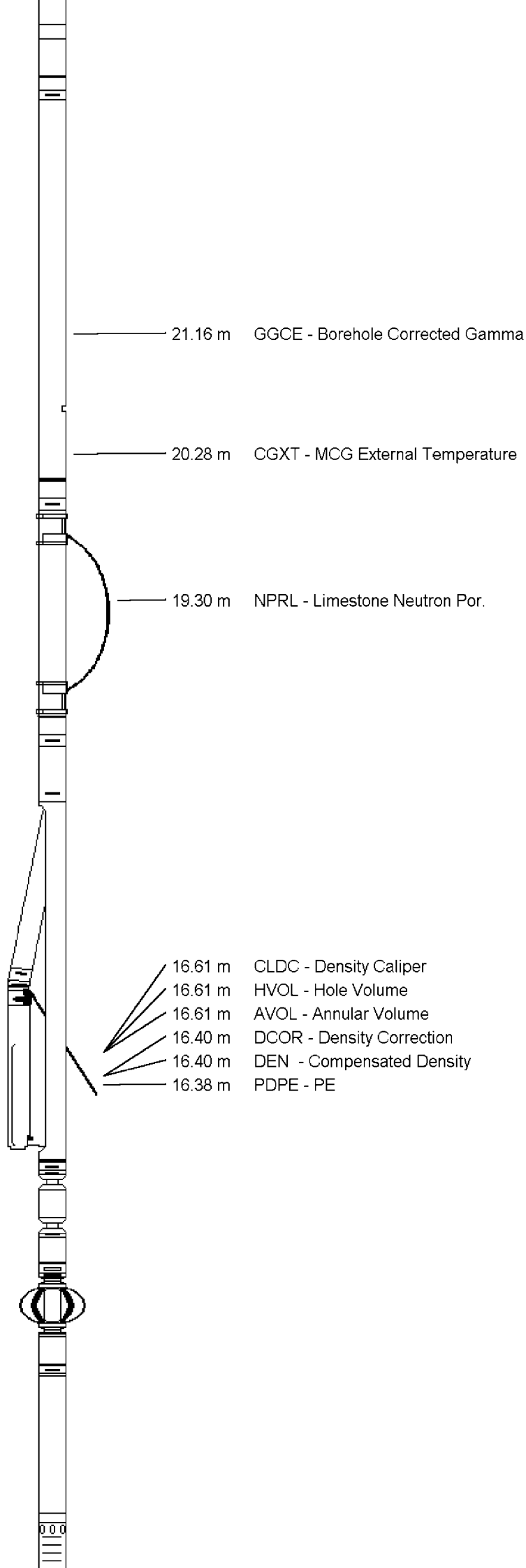
Compact Neutron
MDN 68 Length: 1.53 m Weight: 50.71 lb

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

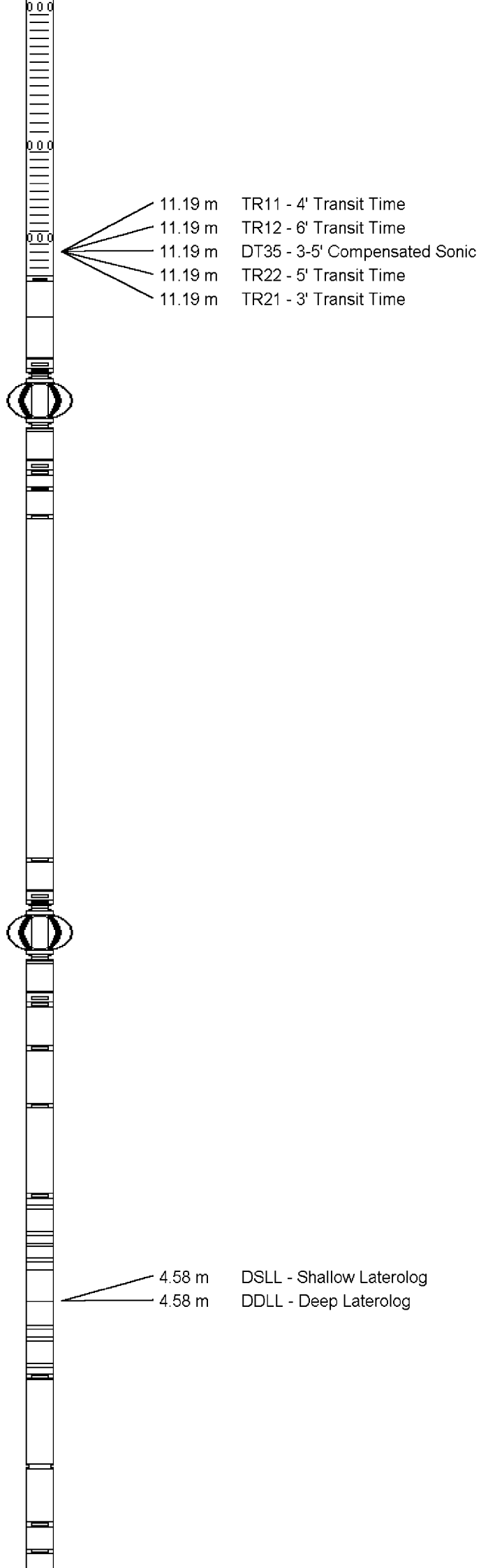


Compact Inline Standoff B
MIS 75 Length: 0.65 m Weight: 15.43 lb

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

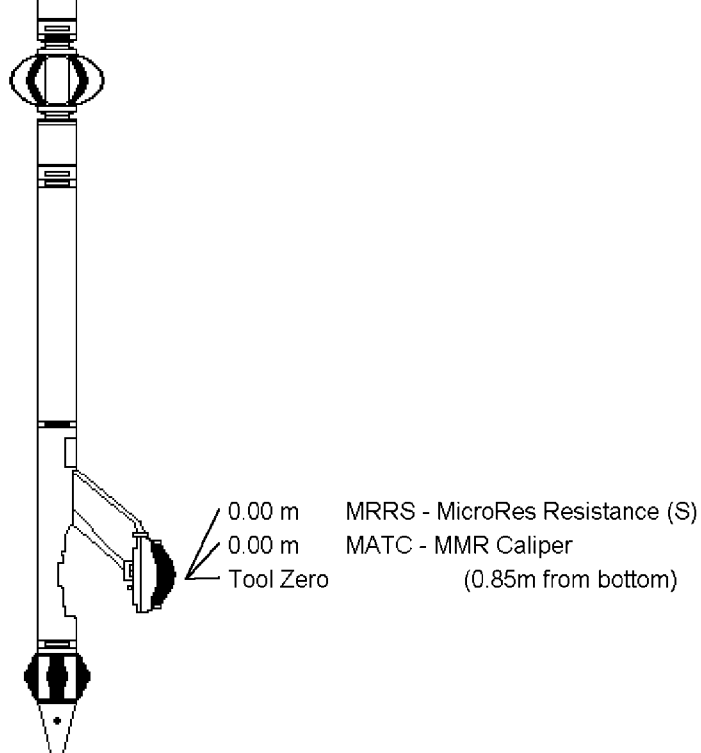
Weight: 81.57 lb

Pressure Bung + Hole Finder
HFS 3 Length: 0.28 m

Weight: 6.61 lb

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	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

DUAL LATEROLOG - GR
MICRO-LATEROLOG
1:200 MD

Reeves