

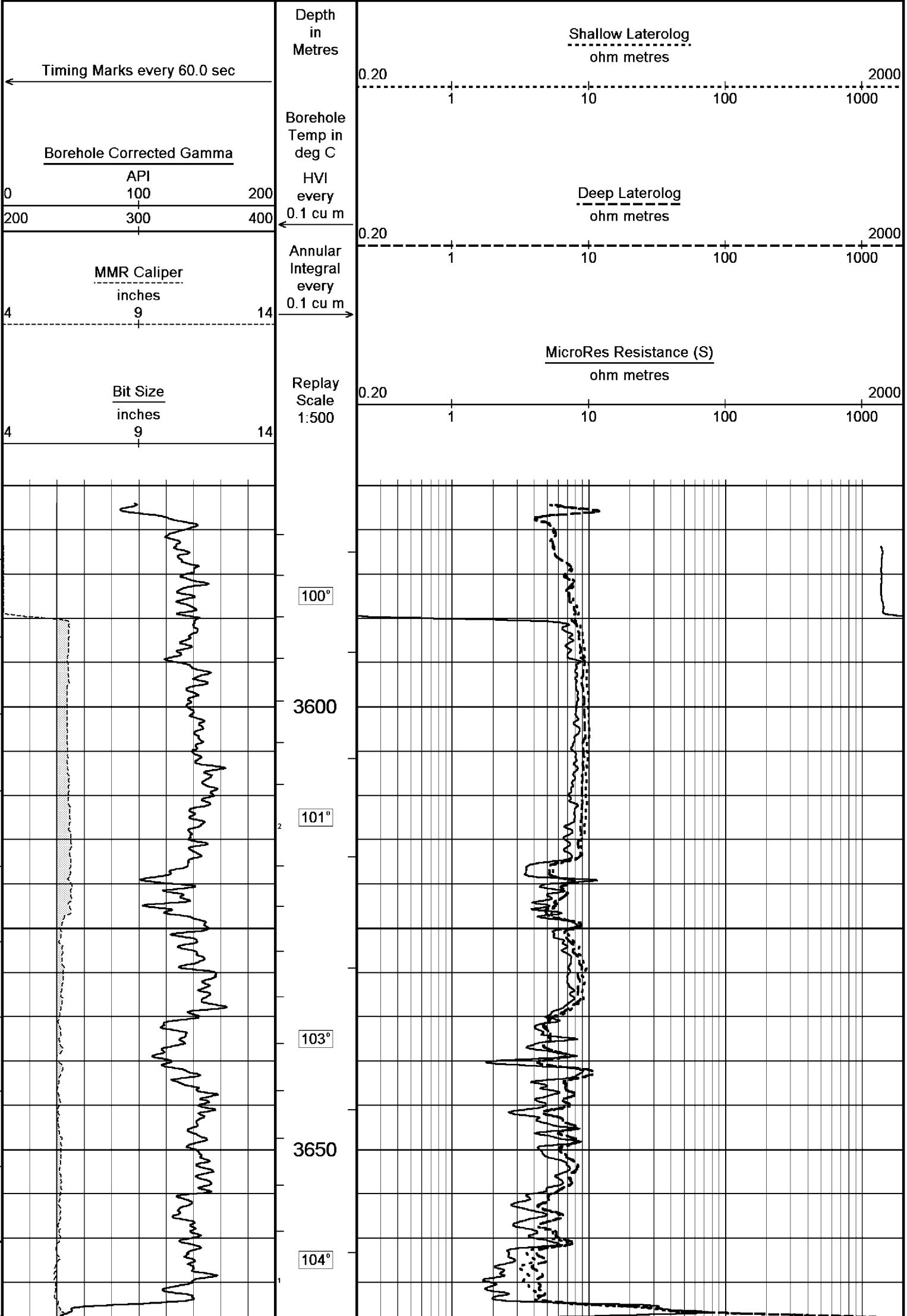
Reeves

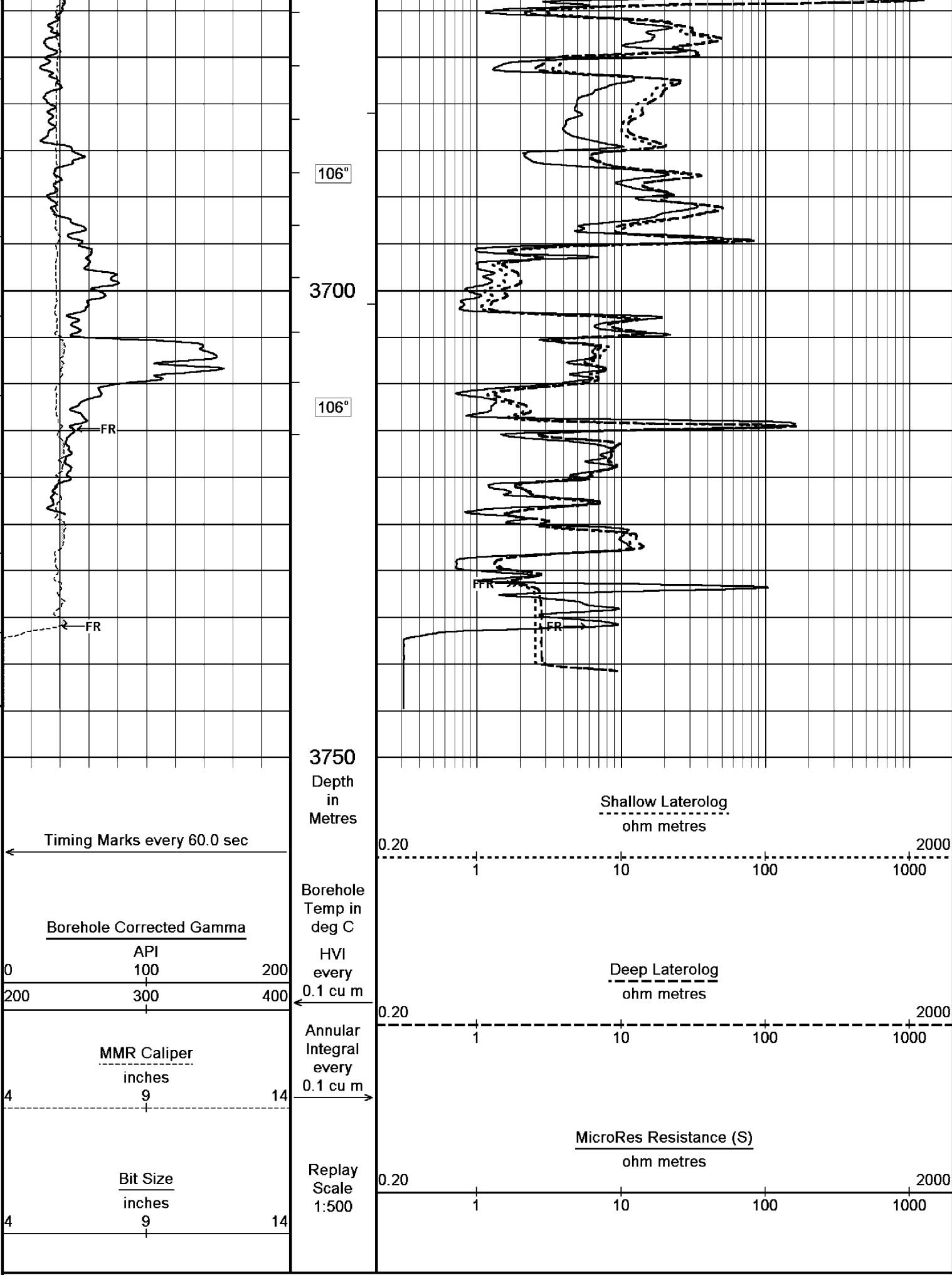
DUAL LATEROLOG - GR MICRO-LATEROLOG 1:500 MD

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.				

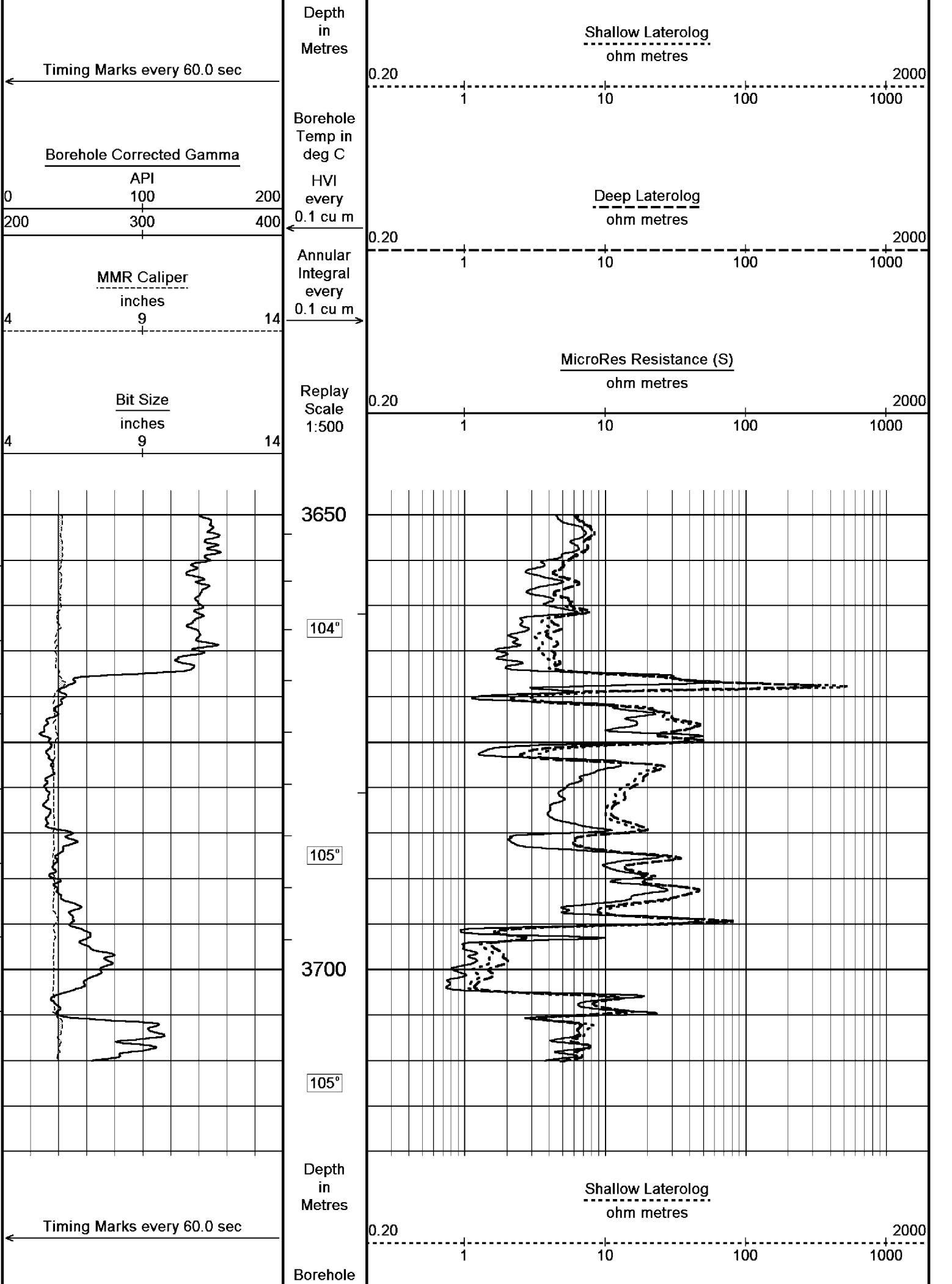
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs,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

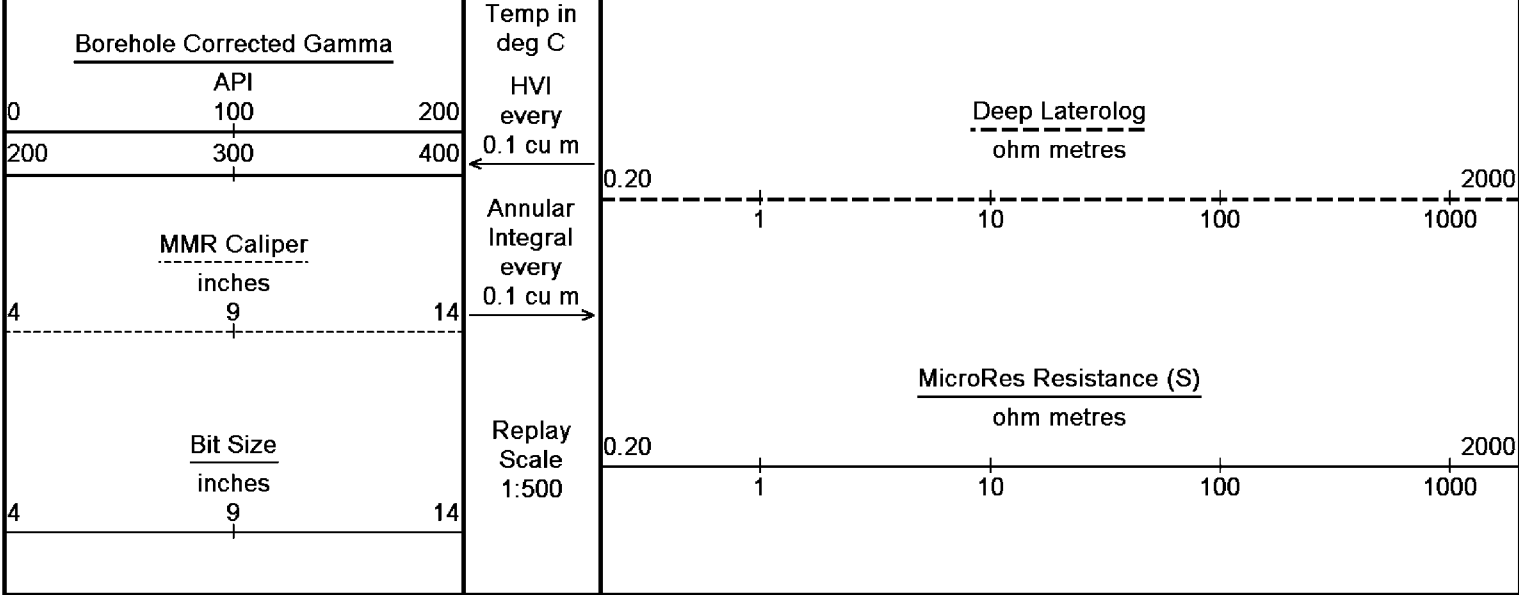




Depth Based Data - Maximum Sampling Increment 10.0cm
Filename: C:\Data\FLA A18a TD\B & W Replay\Md\FLA_A18a_Main_Log.dta
System Configuration Dates: Logged 23-OCT-2002: Plotted 23-OCT-2002:

Plotted on 12-AUG-2003 12:14
Recorded on 30-JUN-2003 14:31





Depth Based Data - Maximum Sampling Increment 10.0cm

Plotted on 12-AUG-2003 12:14

 Filename: C:\Data\FLA A18a TD\B & W Replay\Md\FLA_A18a_Repeat.dta

Recorded on 30-JUN-2003 14:04

 System Configuration Dates: Logged 23-OCT-2002: Plotted 23-OCT-2002:

↑
 REPEAT SECTION 1:500
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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			
			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	kppm	
Caliper Calibration MPD 067			
			Base Calibration on 30-JUN-2003,13:57
Base Calibration			Field Calibration on 30-JUN-2003,13:58

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

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

Ref 1	Measured		Calibrated (ohm-m)	
	Ref 1	Ref 2	Ref 1	Ref 2
0.0	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 Inline Standoff B
MIS 77 Length: 0.65 m Weight: 15.43 lb

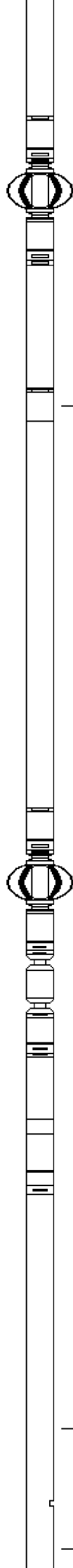
Compact Stiff Bridle Electrode Sub.
MBE 5 Length: 3.76 m Weight: 94.80 lb

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



27.65 m SPDL - Spontaneous Potential

21.16 m GGCE - Borehole Corrected Gamma

20.28 m CGXT - MCG External Temperature

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

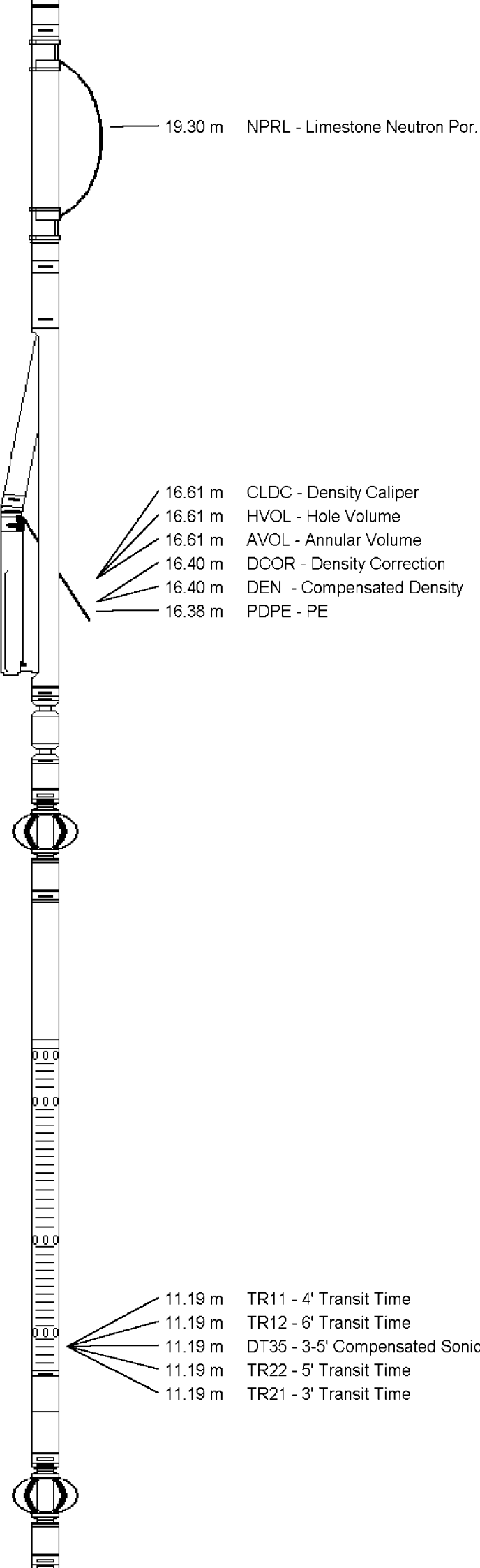
Compact Density/Caliper
MPD 67 Length: 2.92 m Weight: 90.39 lb

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



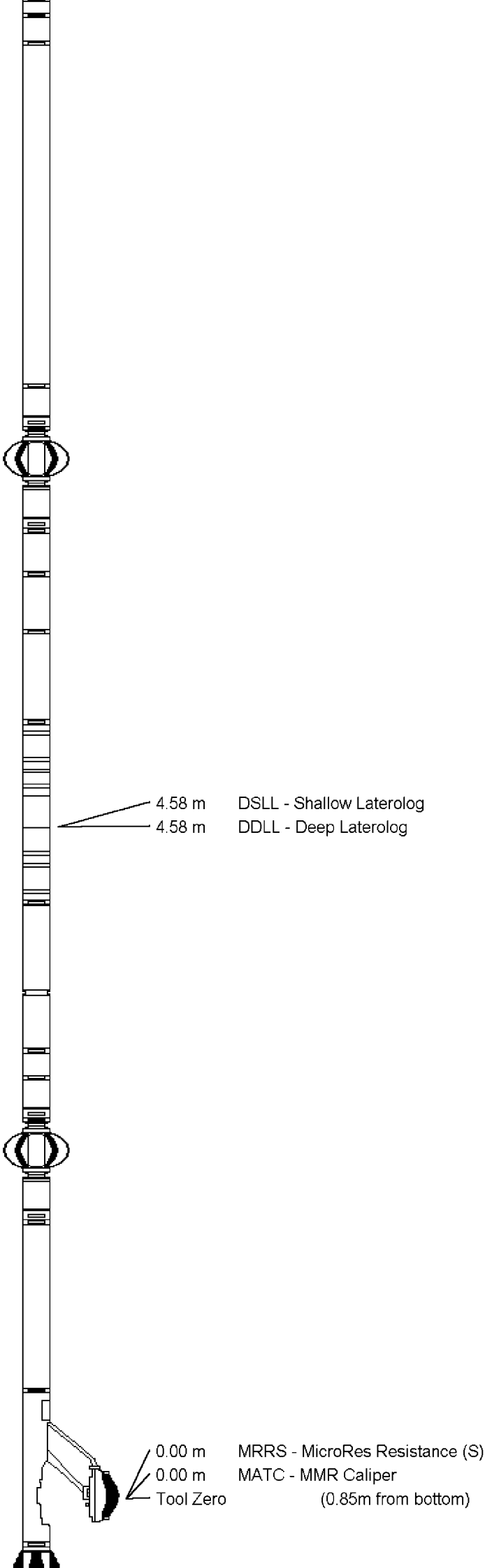
Compact Upper Guard Sub.
MUG 17 Length: 2.74 m Weight: 68.34 lb

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
1:500 MD