

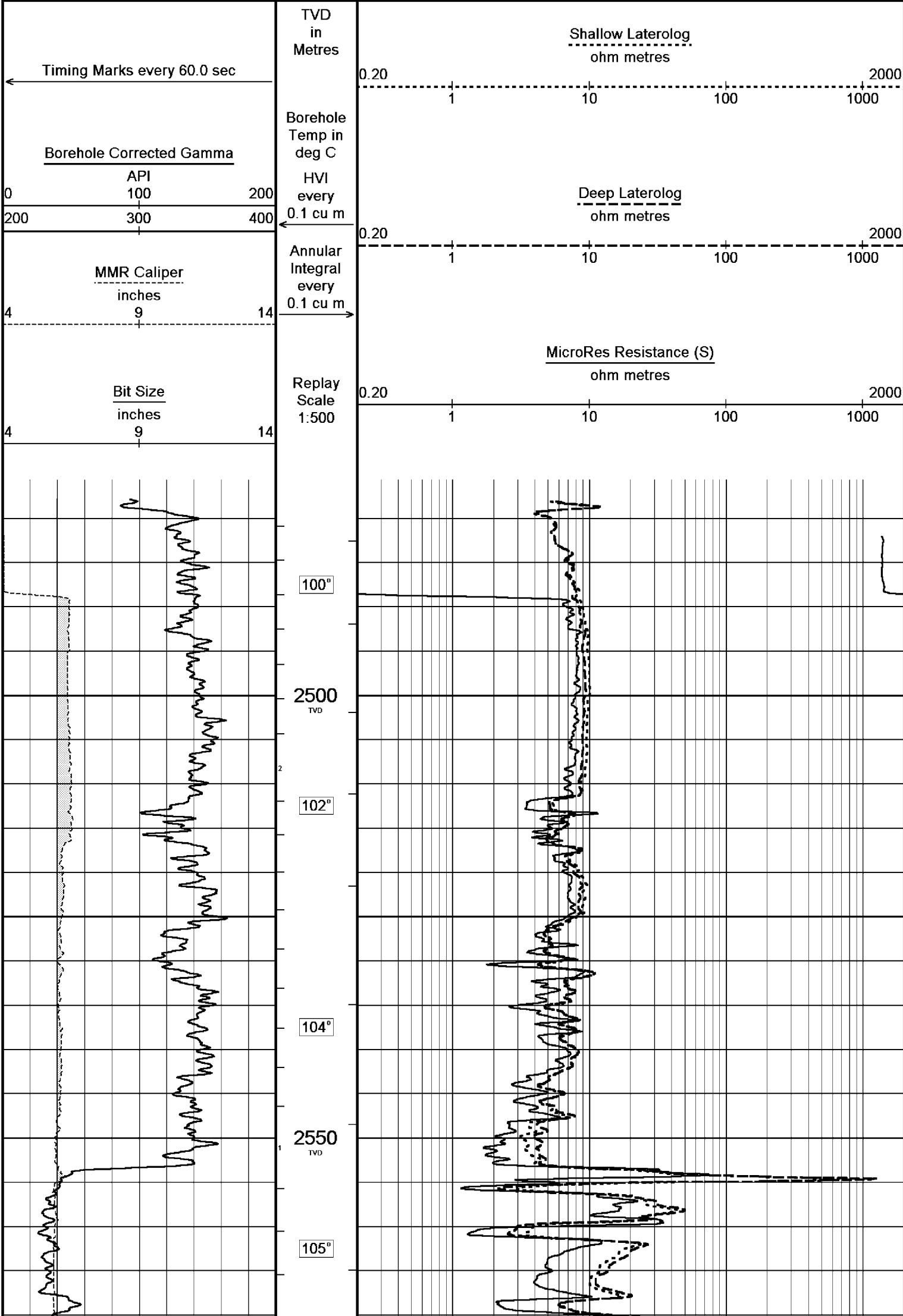
Reeves

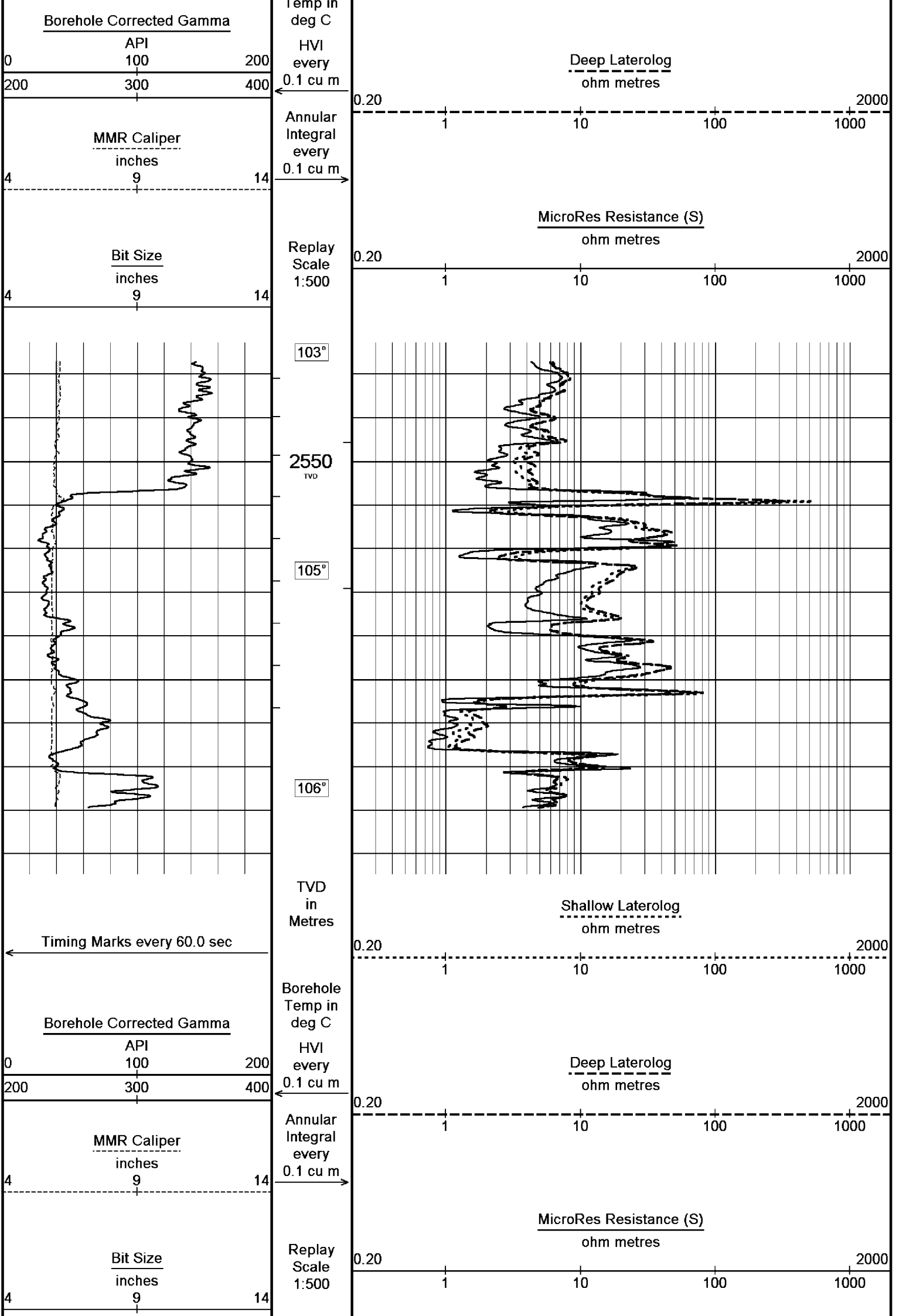
DUAL LATEROLOG - GR MICRO-LATEROLOG 1:500 TVD

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 PHOTO DENSITY COMPENSATED NEUTRON COMPENSATED SONIC
API Number				
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			Elevations: KB DF 33.85 metres GL -93.00 metres
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/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			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			
Witnessed By	E. Espiritu			G. McManus, S. Mooney
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

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



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
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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

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

Channel	Resistor 1	Measured		Calibrated (ohm-m)	
		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	
Groningem 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

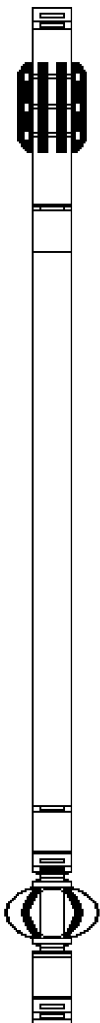
Base Calibration				
	Measured		Calibrated (ohm-m)	
	Ref 1	Ref 2	Ref 1	Ref 2
	0.0	9883.0	0.0	196.0
	Base Check (ohm-m)		Field Check (ohm-m)	
	7.9		0.0	

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 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

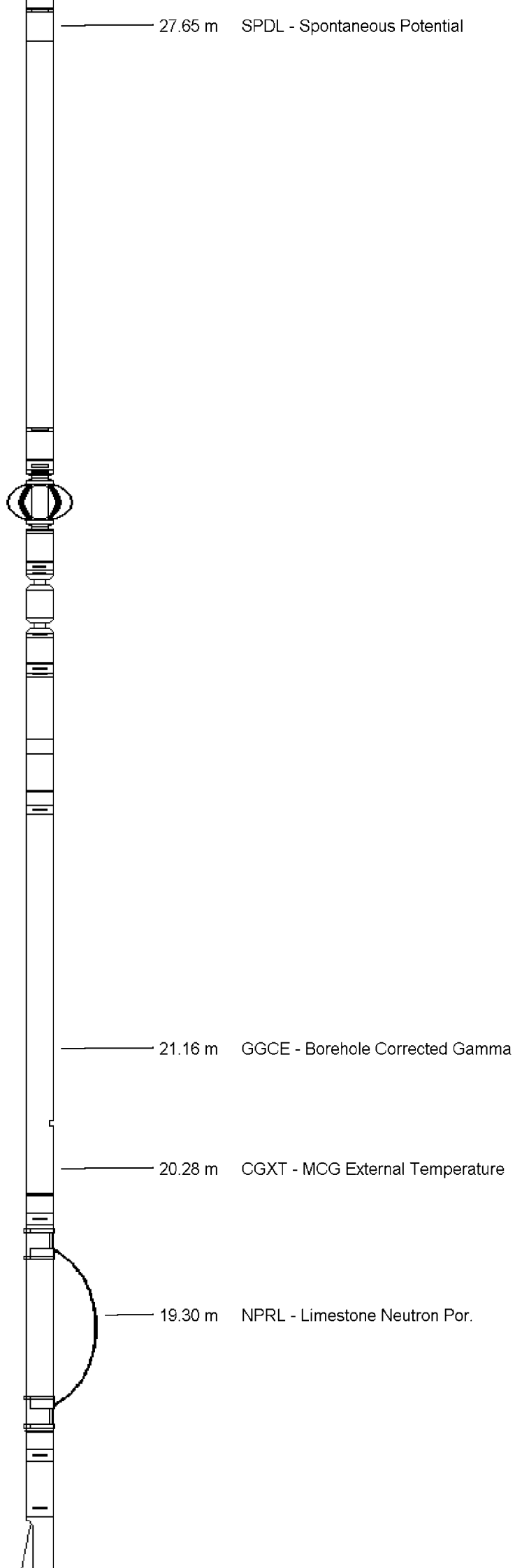
Compact Knuckle Joint
SKJ 46 Length: 0.66 m Weight: 24.25 lb

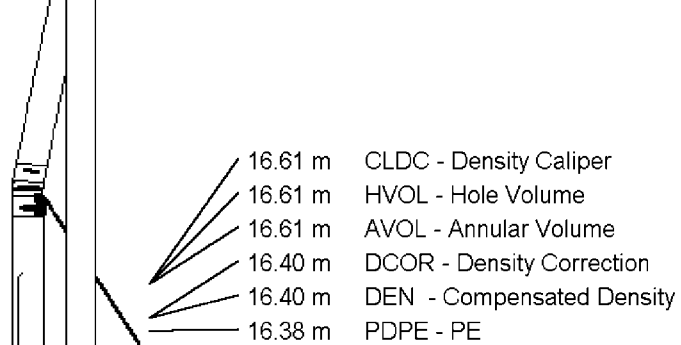
Compact Swivel Head Adaptor
SHA 27 Length: 0.83 m Weight: 26.46 lb

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

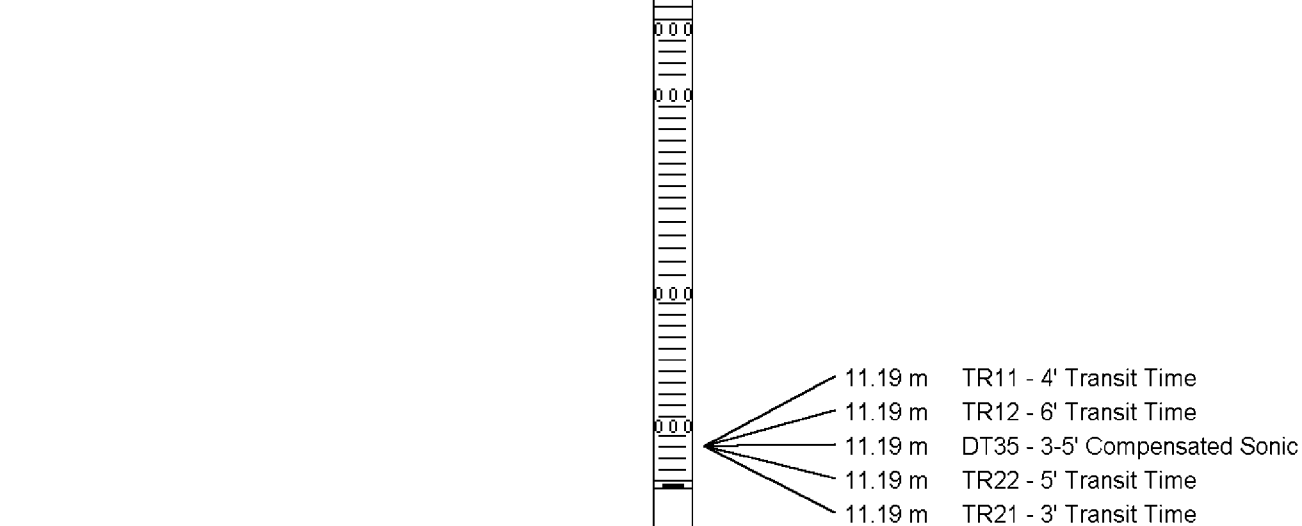




Compact Knuckle Joint
 SKJ 45 Length: 0.66 m Weight: 24.25 lb

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

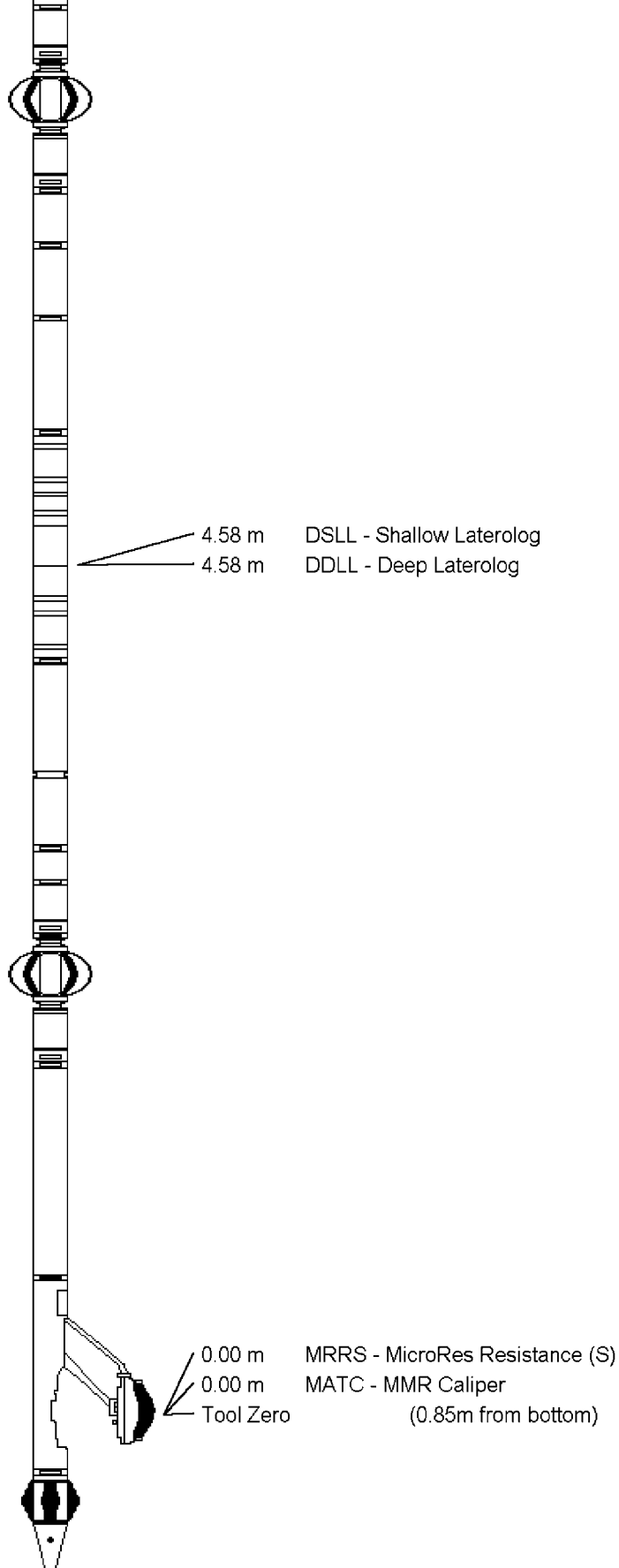
Compact Inline Standoff B
MIS 76 Length: 0.65 m Weight: 15.43 lb

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

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
MICRO-LATEROLOG
1:500 TVD