

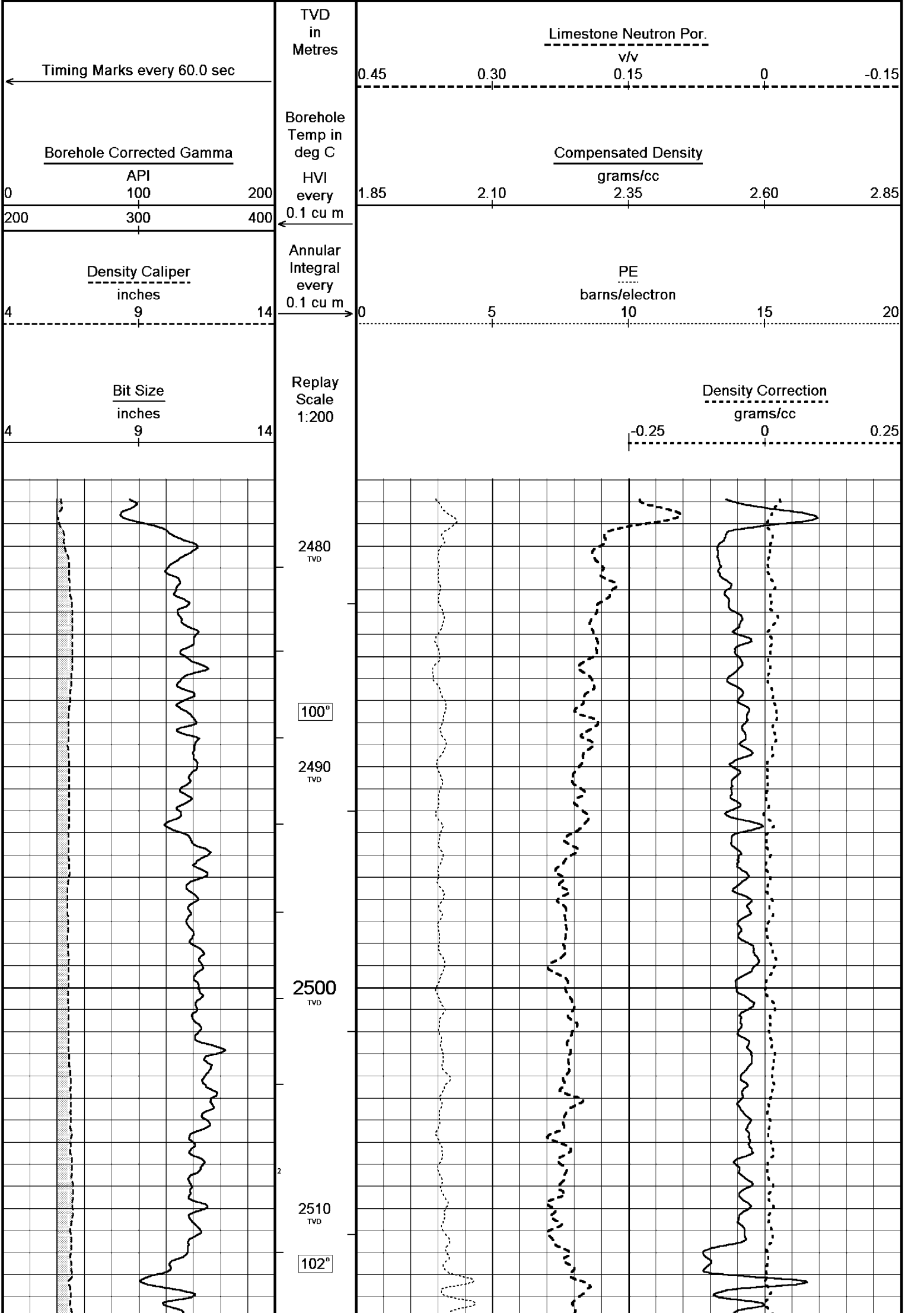
Reeves

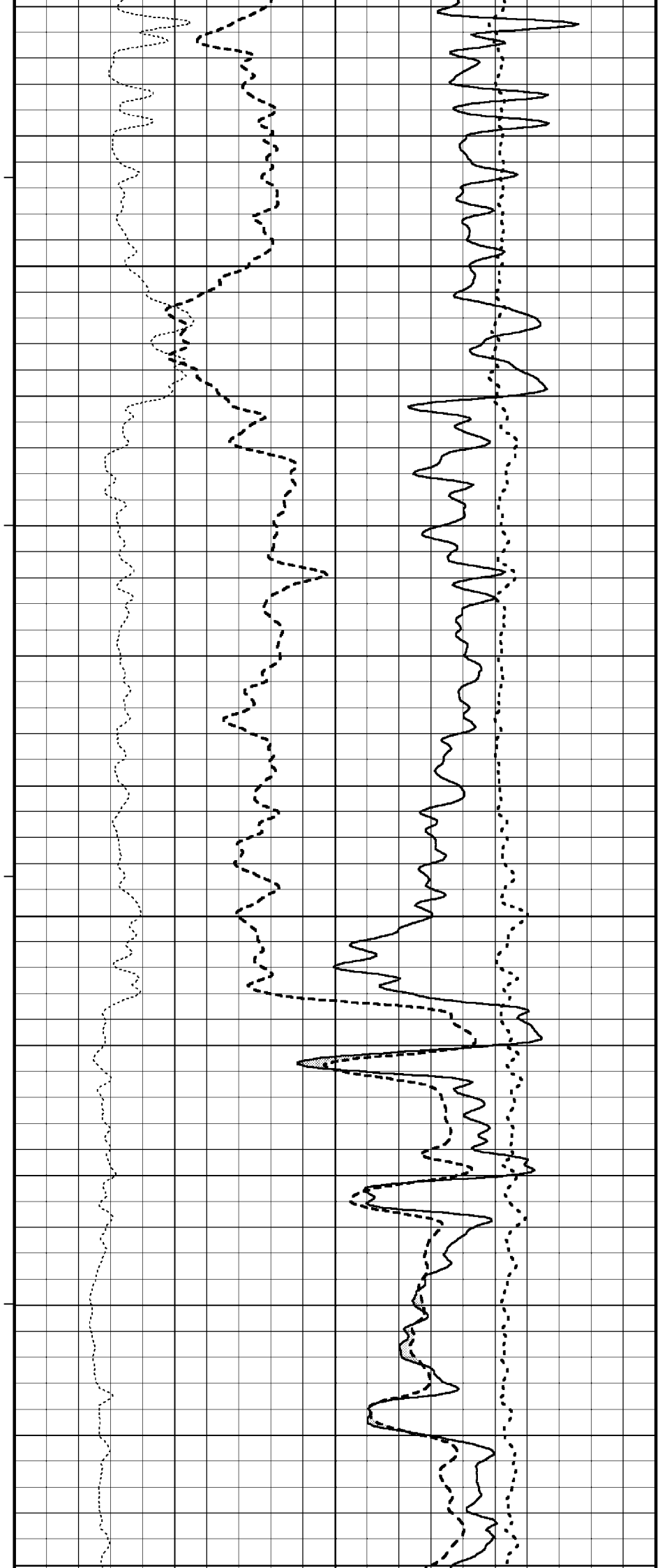
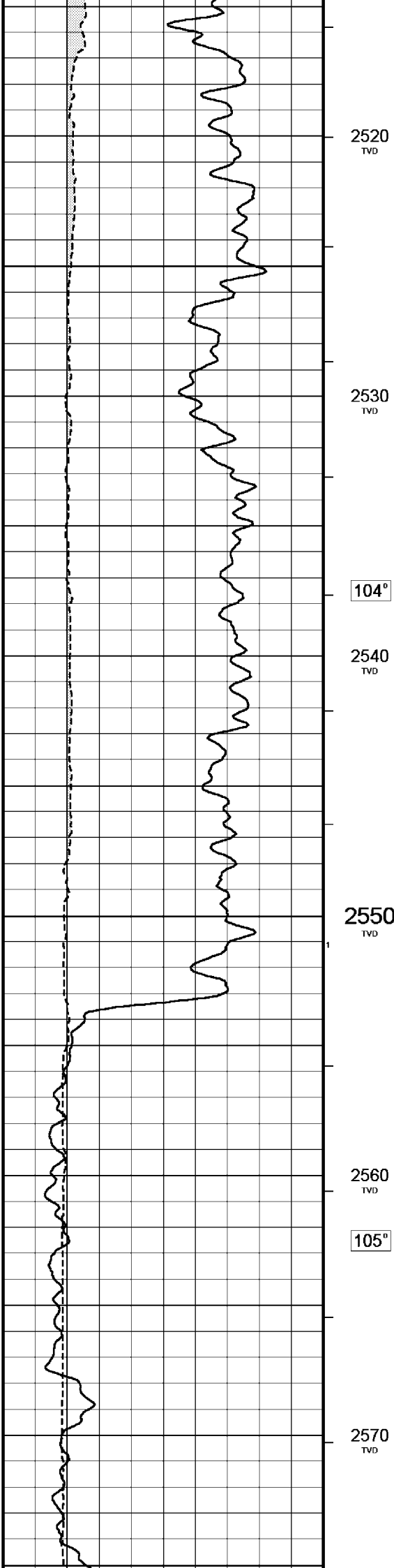
PHOTO DENSITY COMPENSATED NEUTRON 1:200 TVD

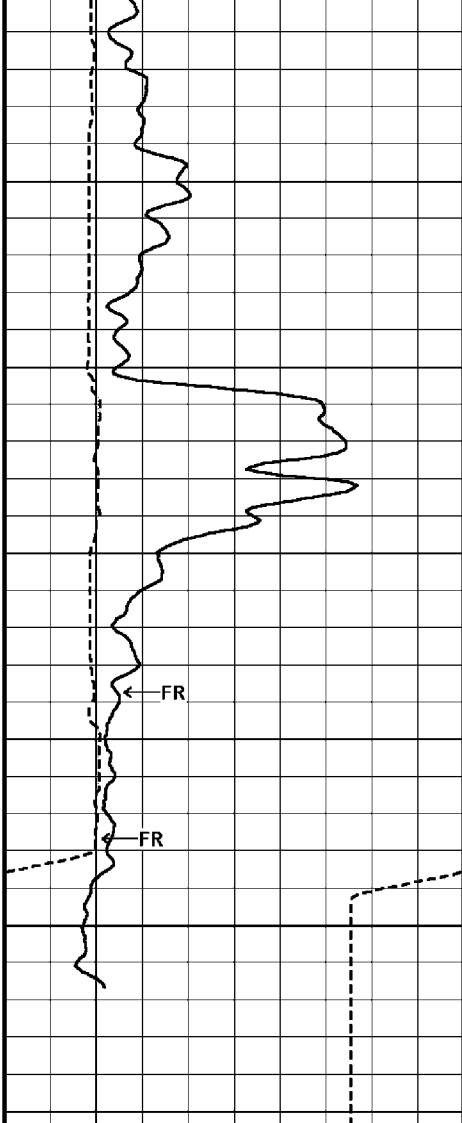
COMPANY	ESSO AUSTRALIA PTY. LTD.		
WELL	FLOUNDER A-18a		
FIELD	GIPPSLAND BASIN		
PROVINCE/COUNTY	BASS STRAIT		
COUNTRY/STATE	AUSTRALIA		
LOCATION	5758711.43 m N, 625855.81 m E 38°18'39.155" S, 148°26'22.358" E		
LSD	SEC	TWP	RGE
API Number	Other Services DUAL LATEROLOG MICRO LATEROLOG COMPENSATED SONIC		
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	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 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.







2580
TVD

106°

2590
TVD

FR

FR

2600
TVD

2610
TVD

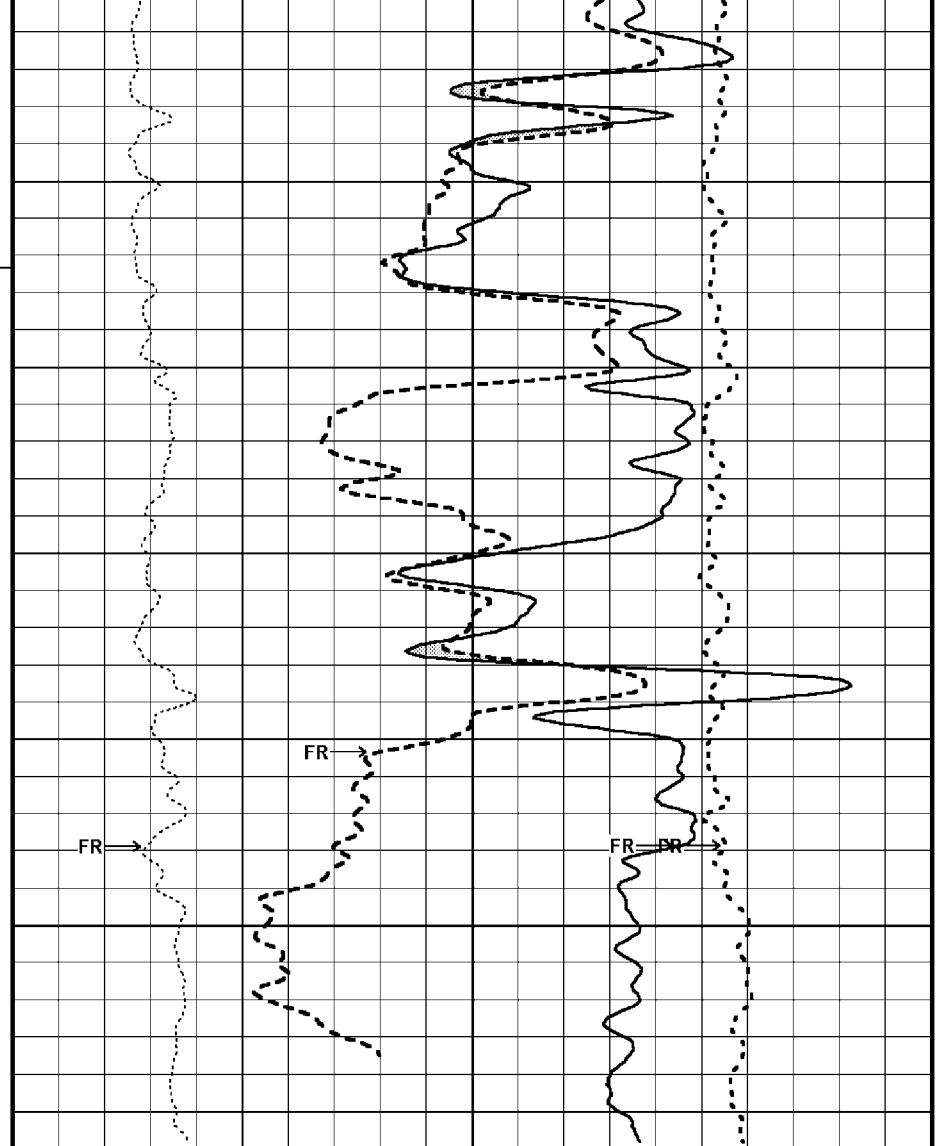
2620
TVD

TVD
in
Metres

Timing Marks every 60.0 sec

Borehole Corrected Gamma

0 100 200
200 300 400



Limestone Neutron Por.

v/v

0.45 0.30 0.15 0 -0.15

Compensated Density

grams/cc

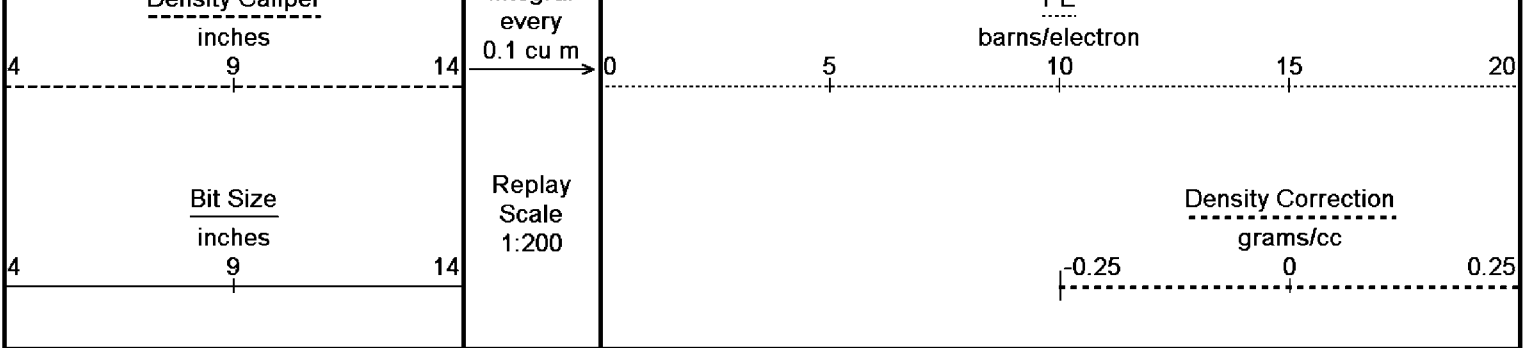
1.85 2.10 2.35 2.60 2.85

Borehole
Temp in
deg C
HVI
every
0.1 cu m

Annular
Integral

Density Caliper

DE



Depth Based Data - Maximum Sampling Increment 10.0cm

Plotted on 12-AUG-2003 12:23

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

Recorded on 30-JUN-2003 14:31

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

↑

MAIN LOG 1:200

↑

↓

REPEAT SECTION 1:200

↓

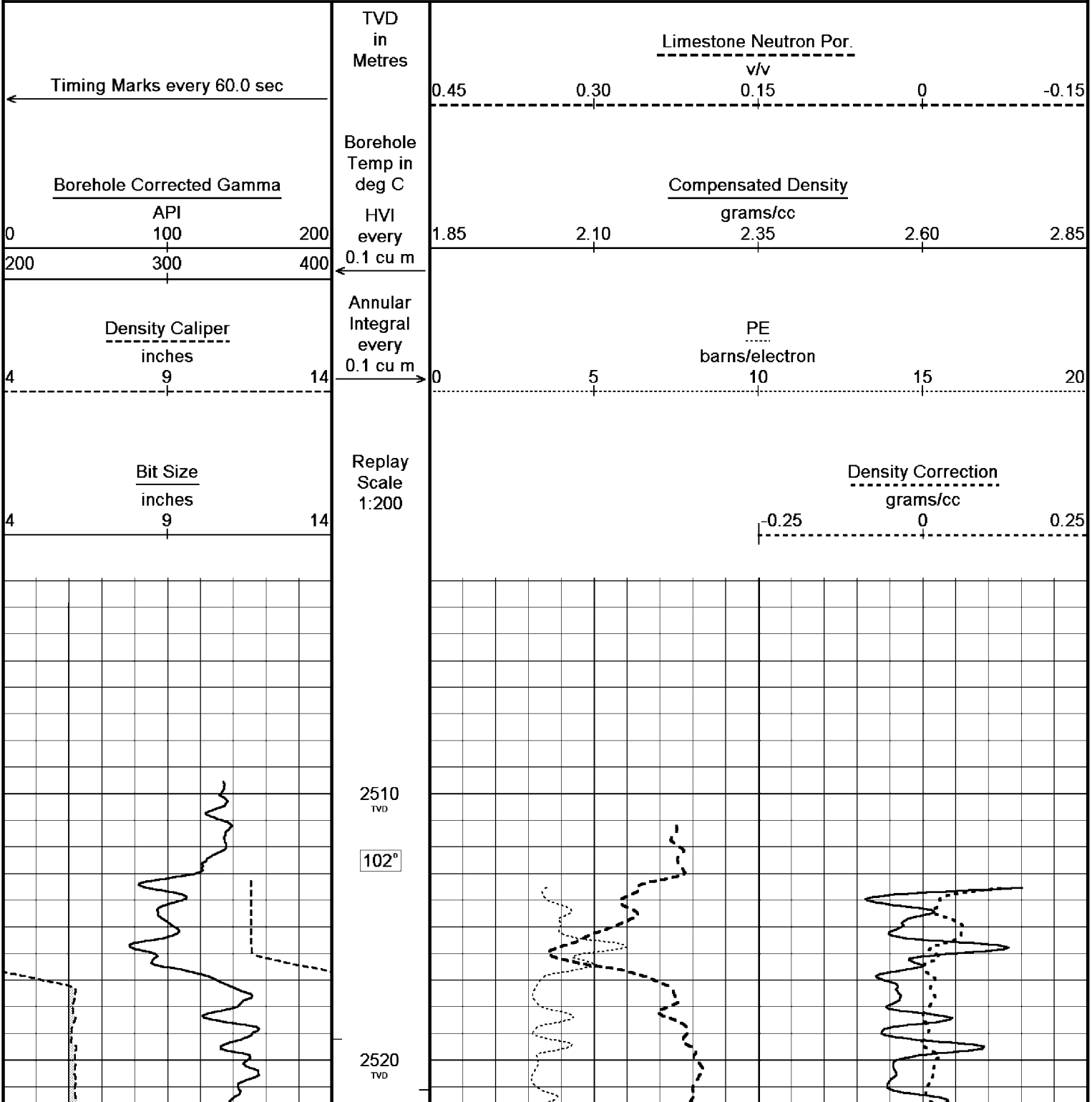
Depth Based Data - Maximum Sampling Increment 10.0cm

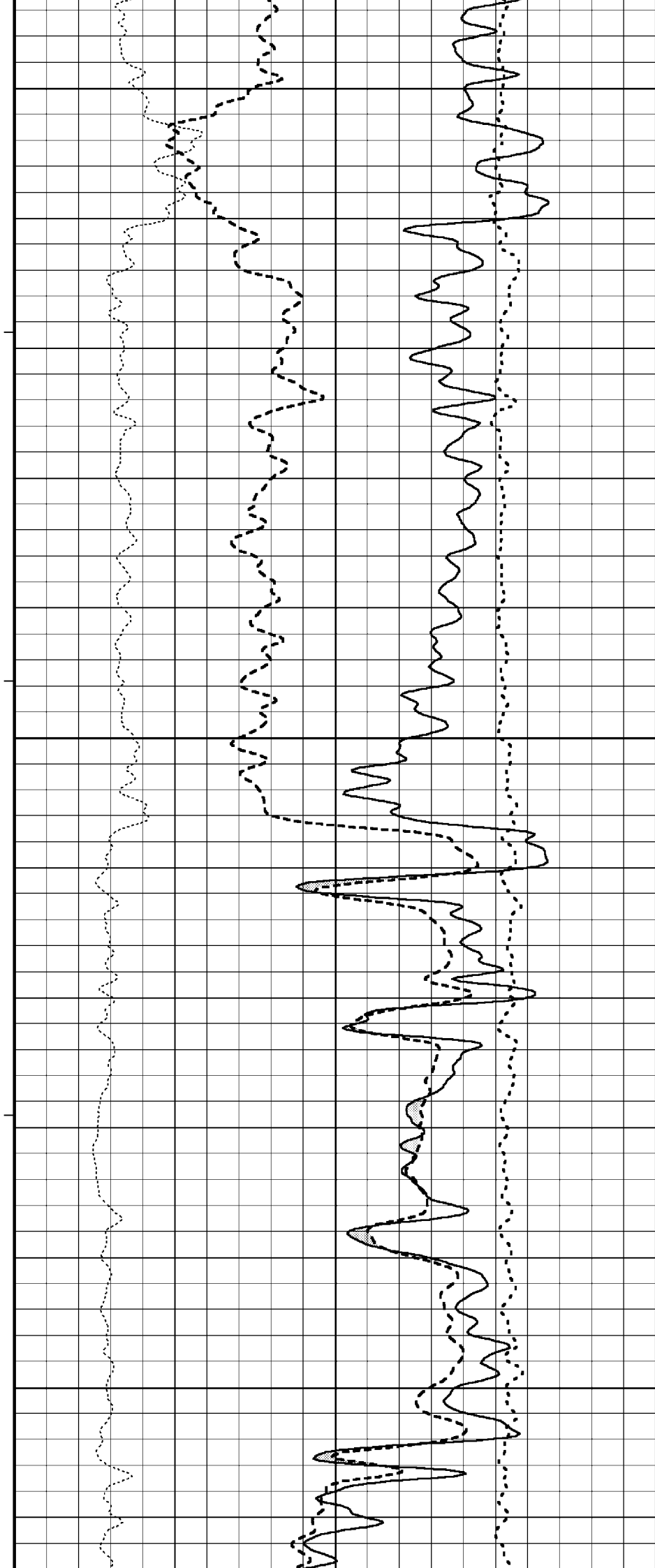
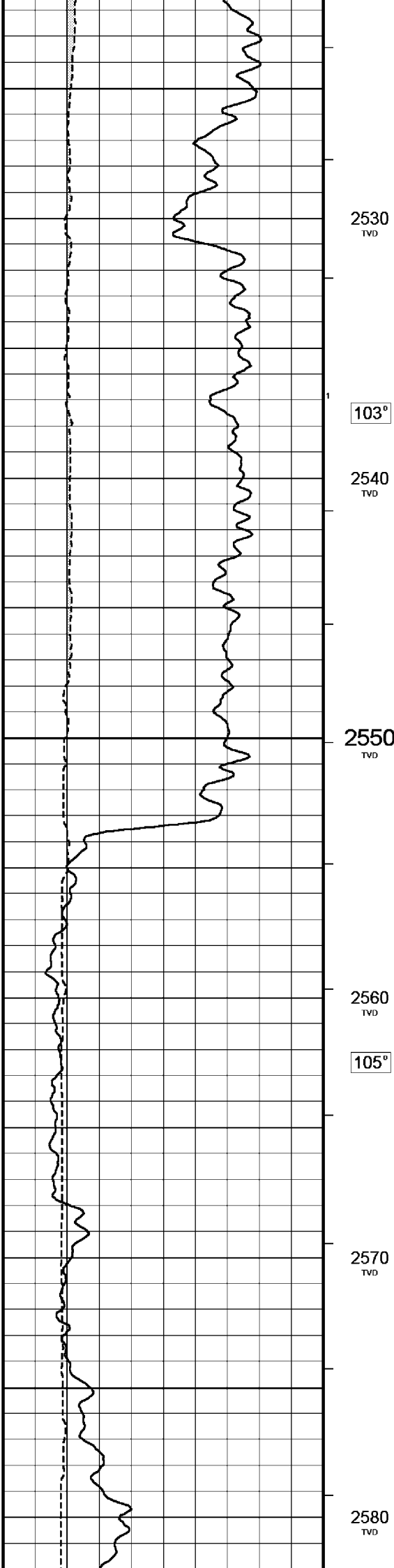
Plotted on 12-AUG-2003 12:23

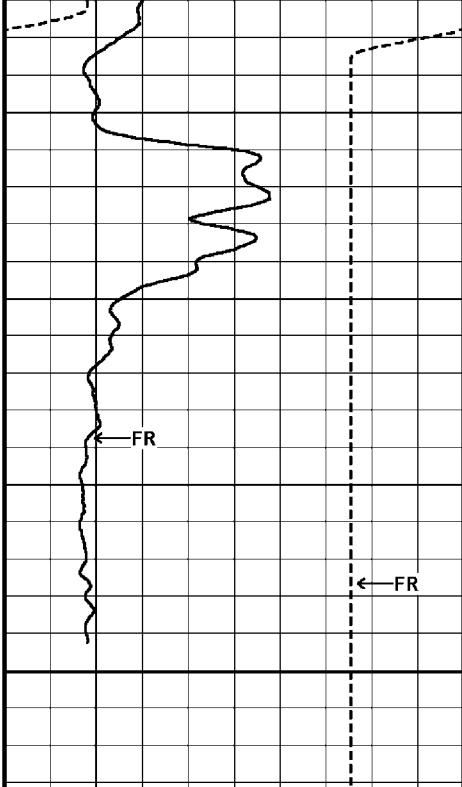
Filename: C:\Data\FLA A18a TD\B & W Replay\Mpd\FLA_A18a_Repeat.dta

Recorded on 30-JUN-2003 14:04

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







106°

2590
TVD

2600
TVD

2610
TVD

2620
TVD

TVD
in
Metres

Timing Marks every 60.0 sec

Borehole Corrected Gamma
API
0 100 200
200 300 400

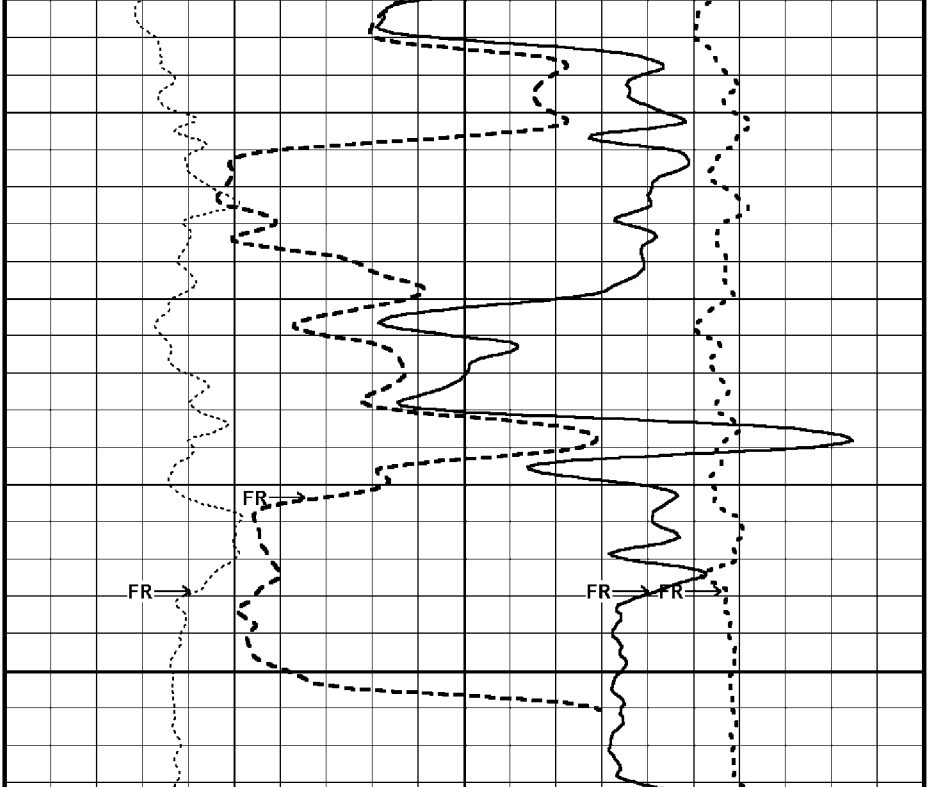
Density Caliper
inches
4 9 14

Bit Size
inches
4 9 14

Borehole
Temp in
deg C
HVI
every
0.1 cu m

Annular
Integral
every
0.1 cu m

Replay
Scale
1:200



Limestone Neutron Por.

v/v

0.45 0.30 0.15 0 -0.15

Compensated Density

grams/cc

1.85 2.10 2.35 2.60 2.85

PE

barns/electron

0 5 10 15 20

Density Correction

grams/cc

-0.25 0 0.25

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			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

Neutron Calibration MDN 068			Base Calibration on 30-MAY-2003 09:57
Base Calibration			Field Check on 27-JUN-2003 01:03
	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

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

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

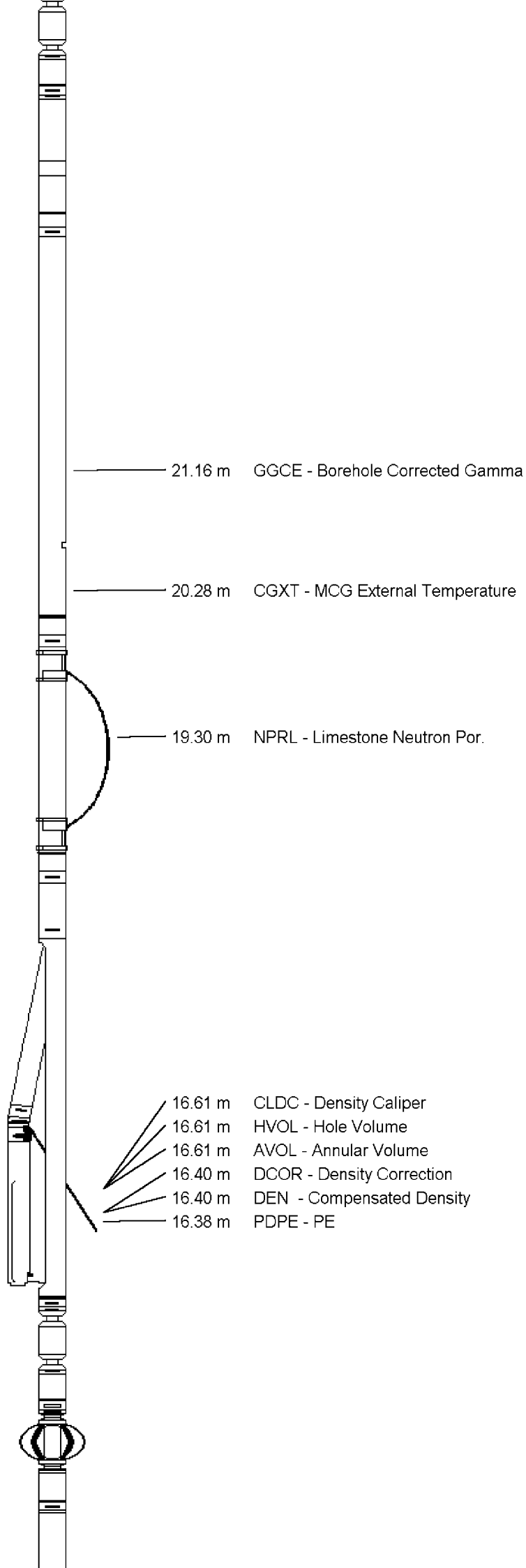
Compact Neutron
MDN 68 Length: 1.53 m Weight: 50.71 lb

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



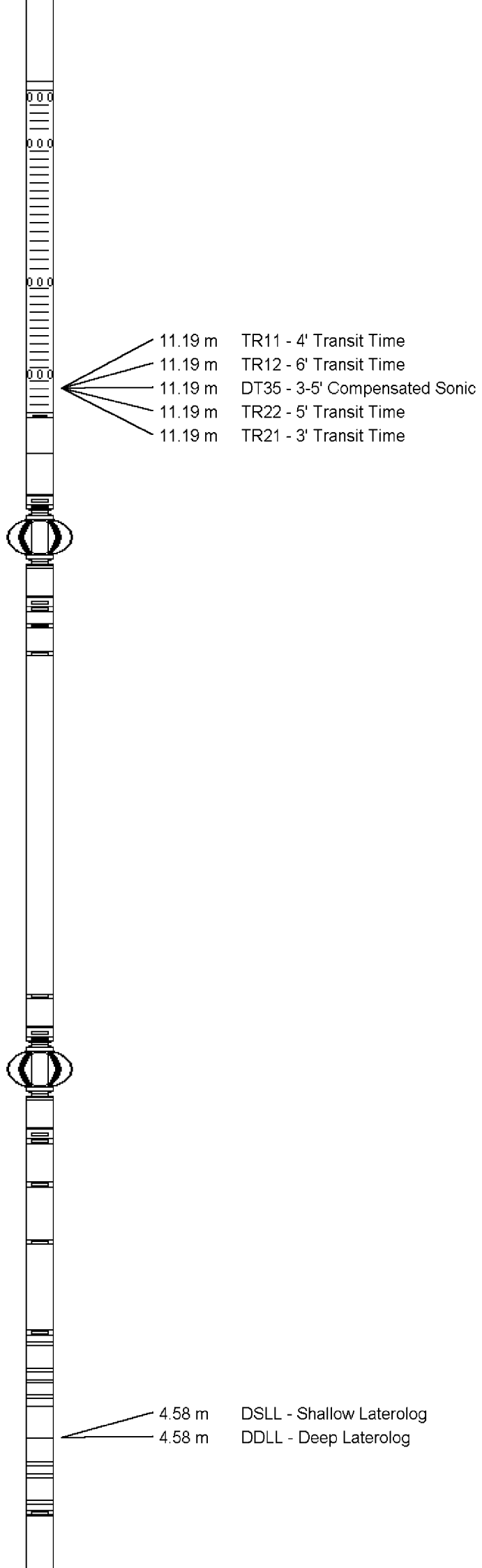
MIS 15 Length: 0.62 m Weight: 12.9 lb

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



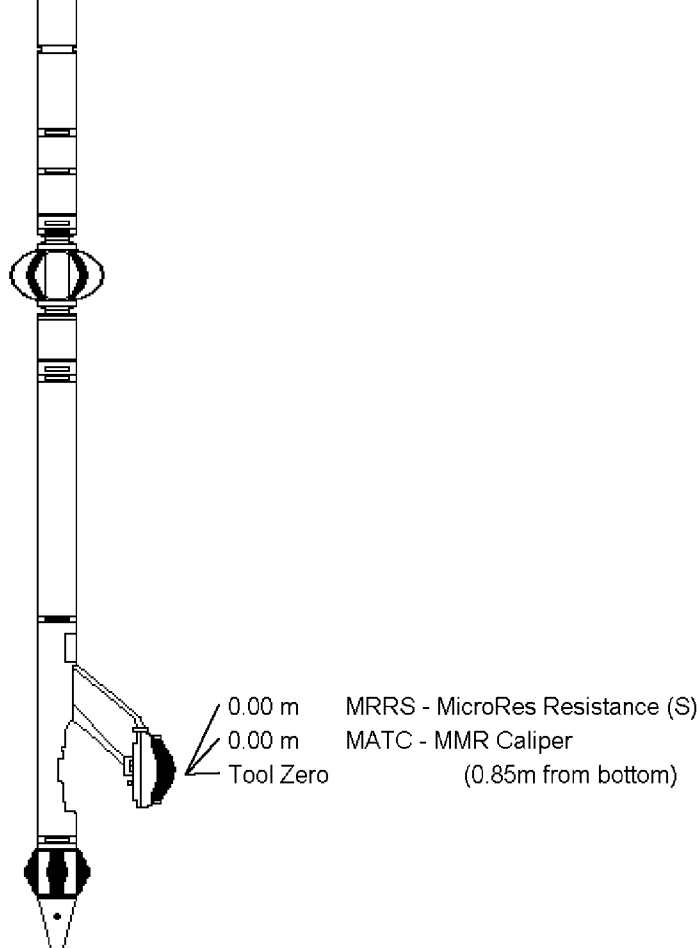
Compact Inline Standoff B
MIS 76 Length: 0.65 m Weight: 15.43 lb

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

PHOTO DENSITY
COMPENSATED NEUTRON
1:200 TVD

Reeves