

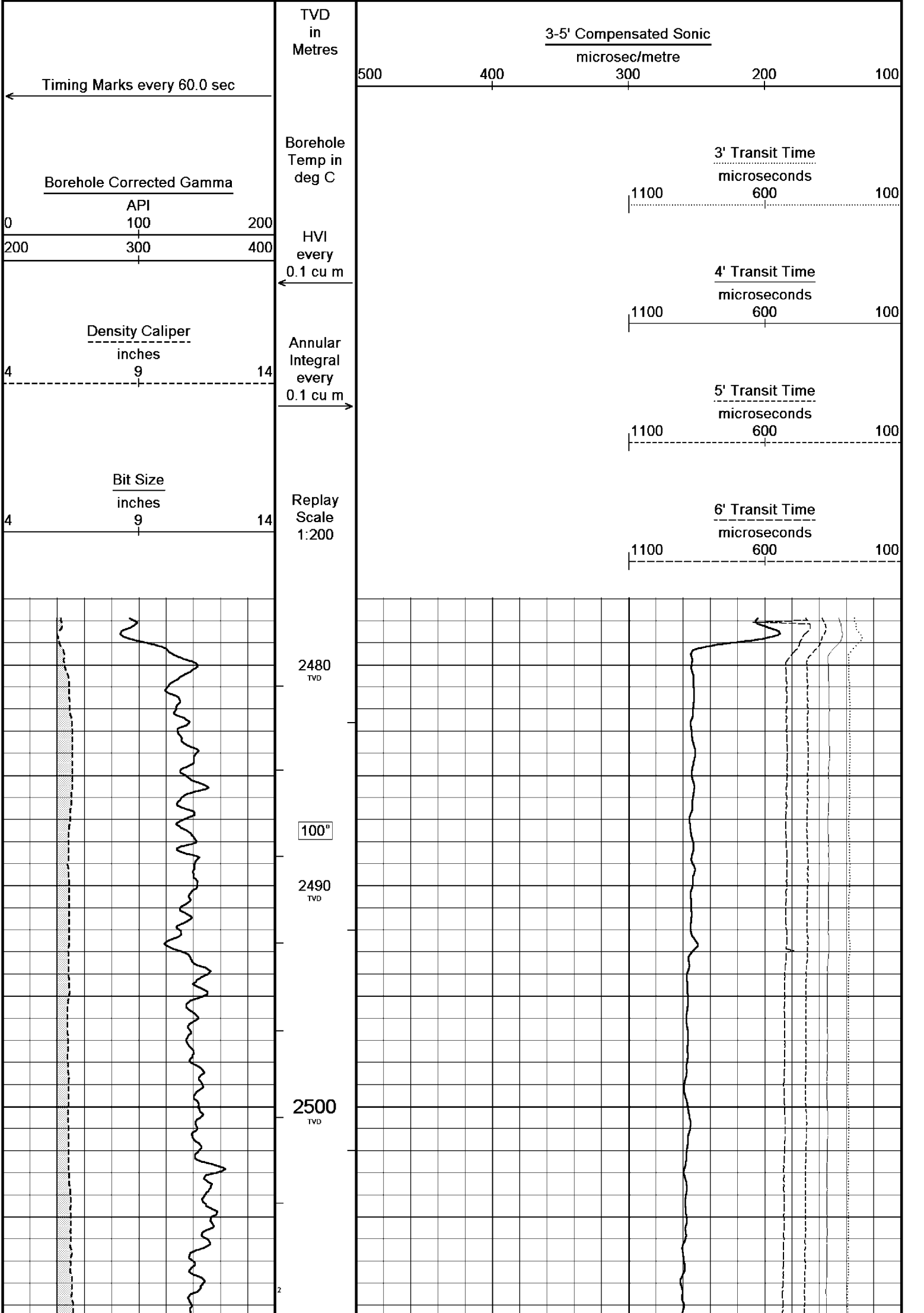
# Reeves

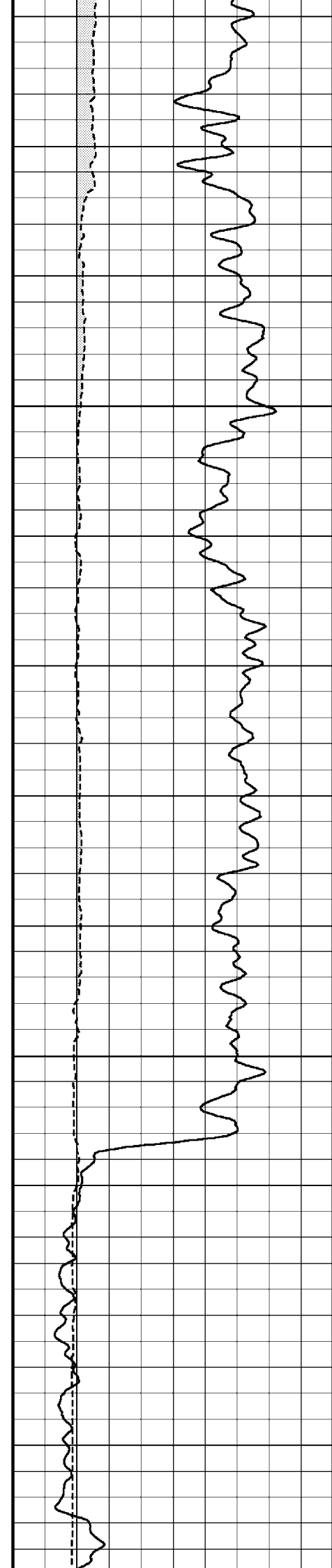
## COMPENSATED SONIC 1:200 TVD

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 DUAL LATEROLOG PHOTO DENSITY MICROLATEROLOG
API Number	COMPENSATED NEUTRON			
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 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			
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.





2510  
TVD

102°

2520  
TVD

2530  
TVD

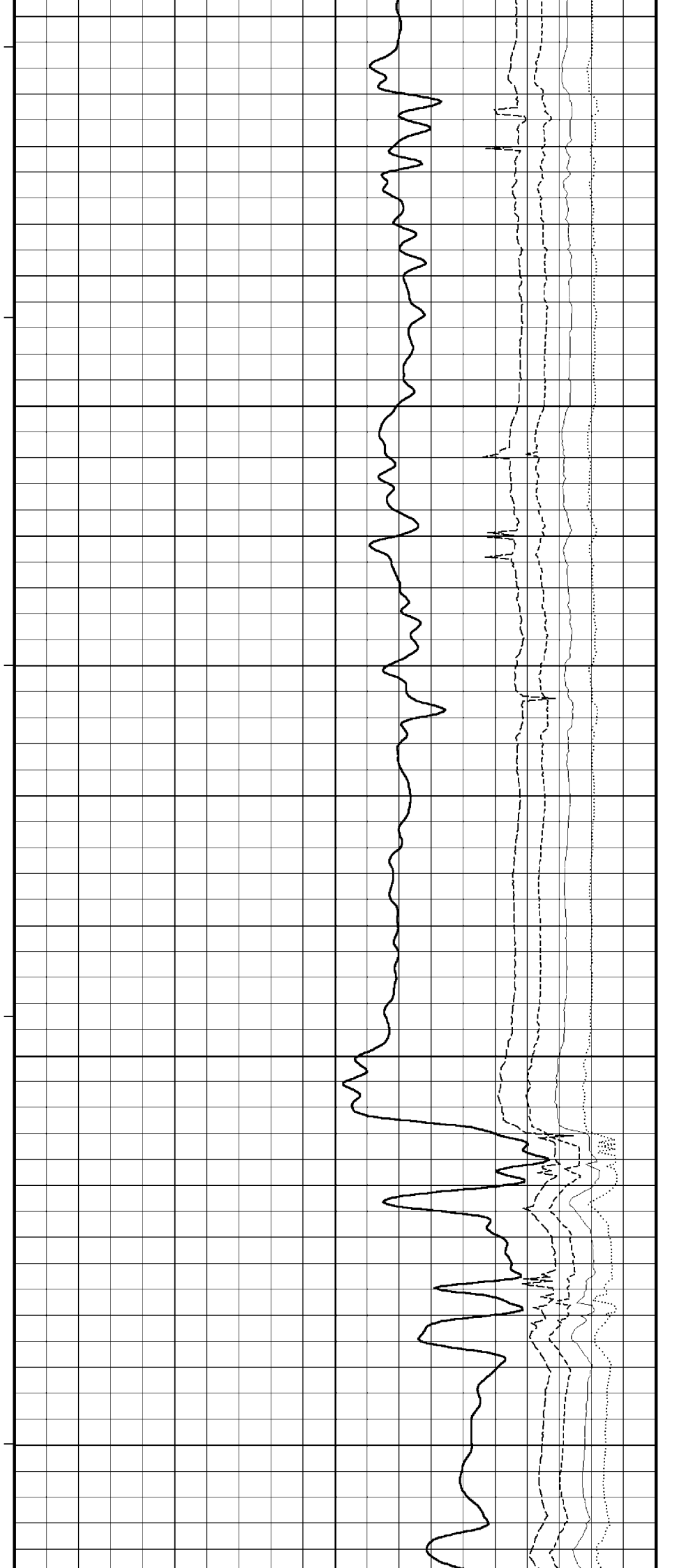
104°

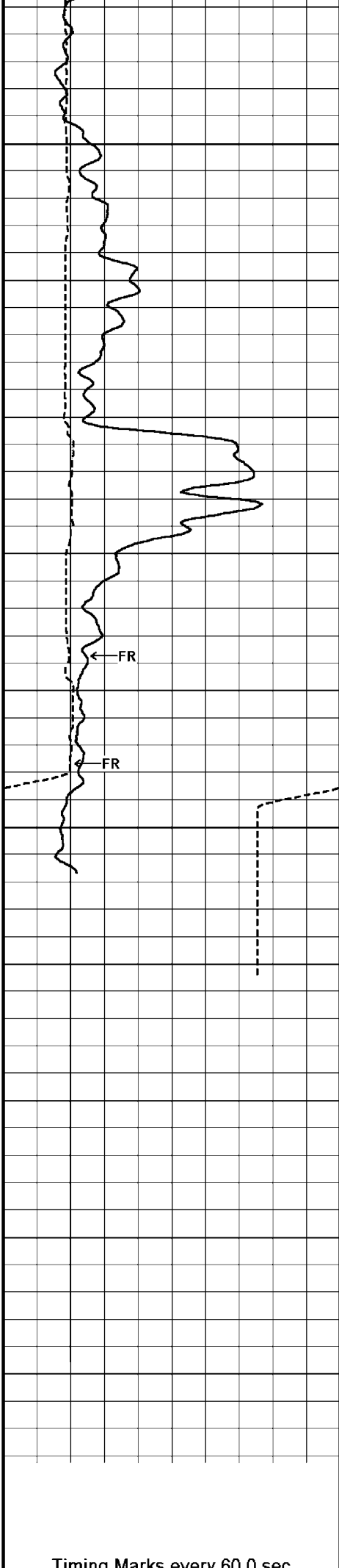
2540  
TVD

2550  
TVD

2560  
TVD

105°





2570  
TVD

2580  
TVD

106°

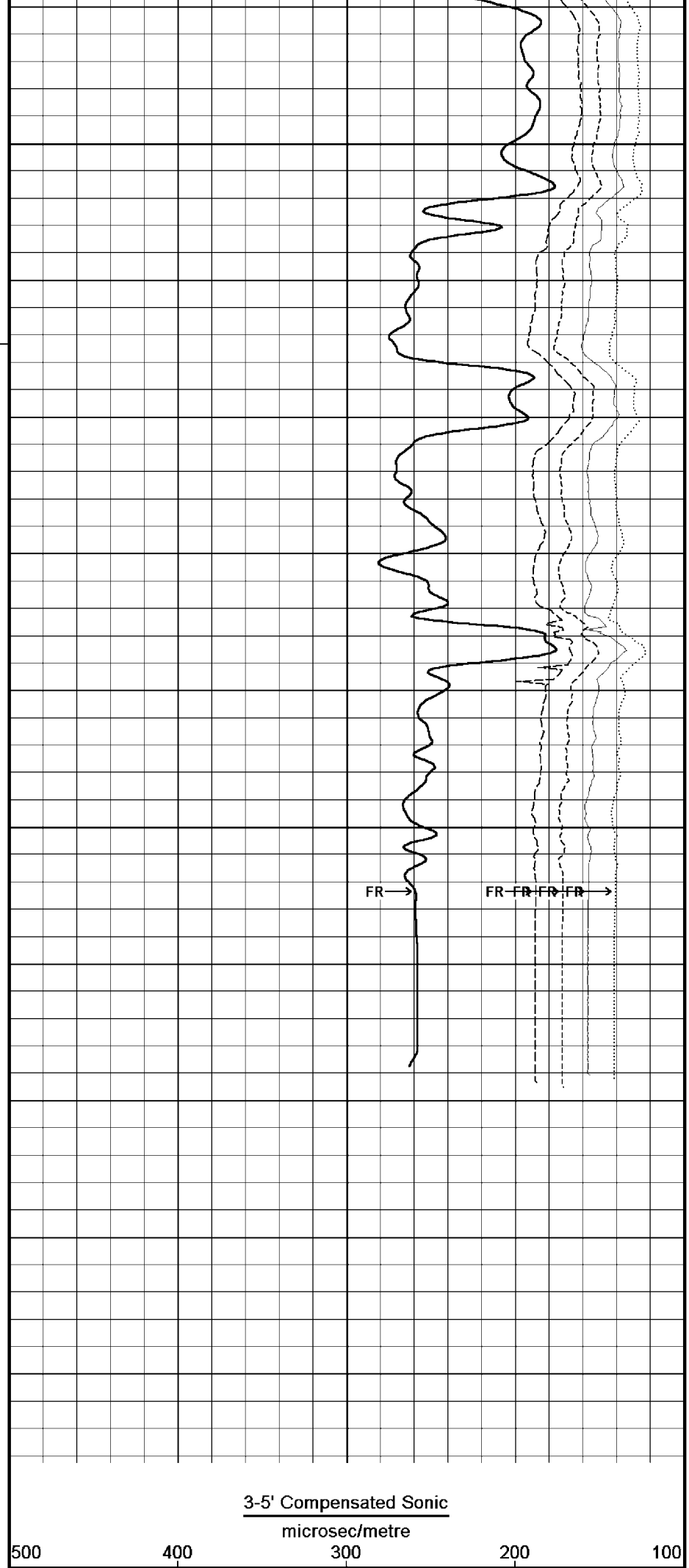
2590  
TVD

2600  
TVD

2610  
TVD

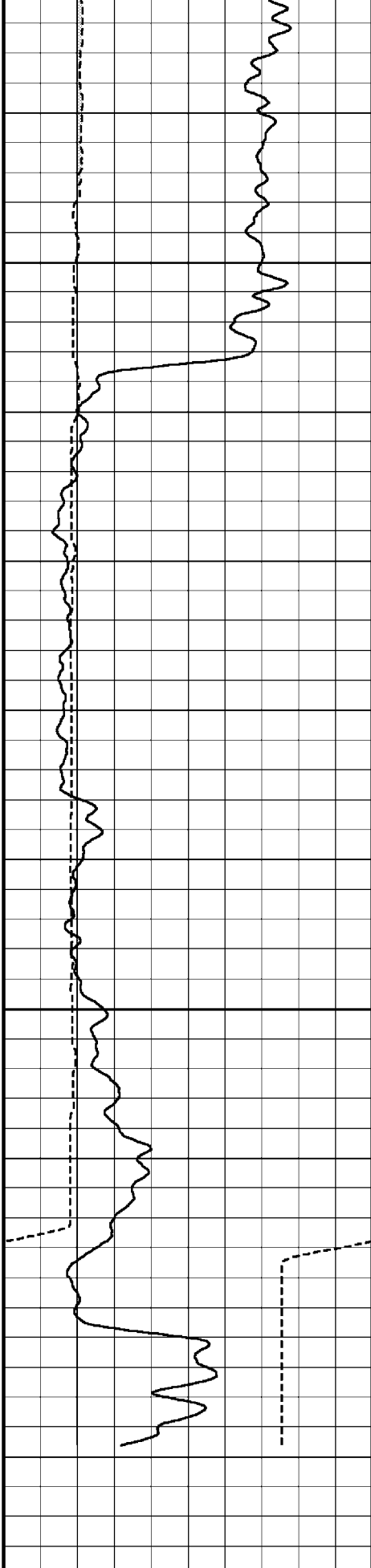
2620  
TVD

TVD  
in  
Metres



Borehole





2550  
TVD

2560  
TVD

105°

2570  
TVD

2580  
TVD

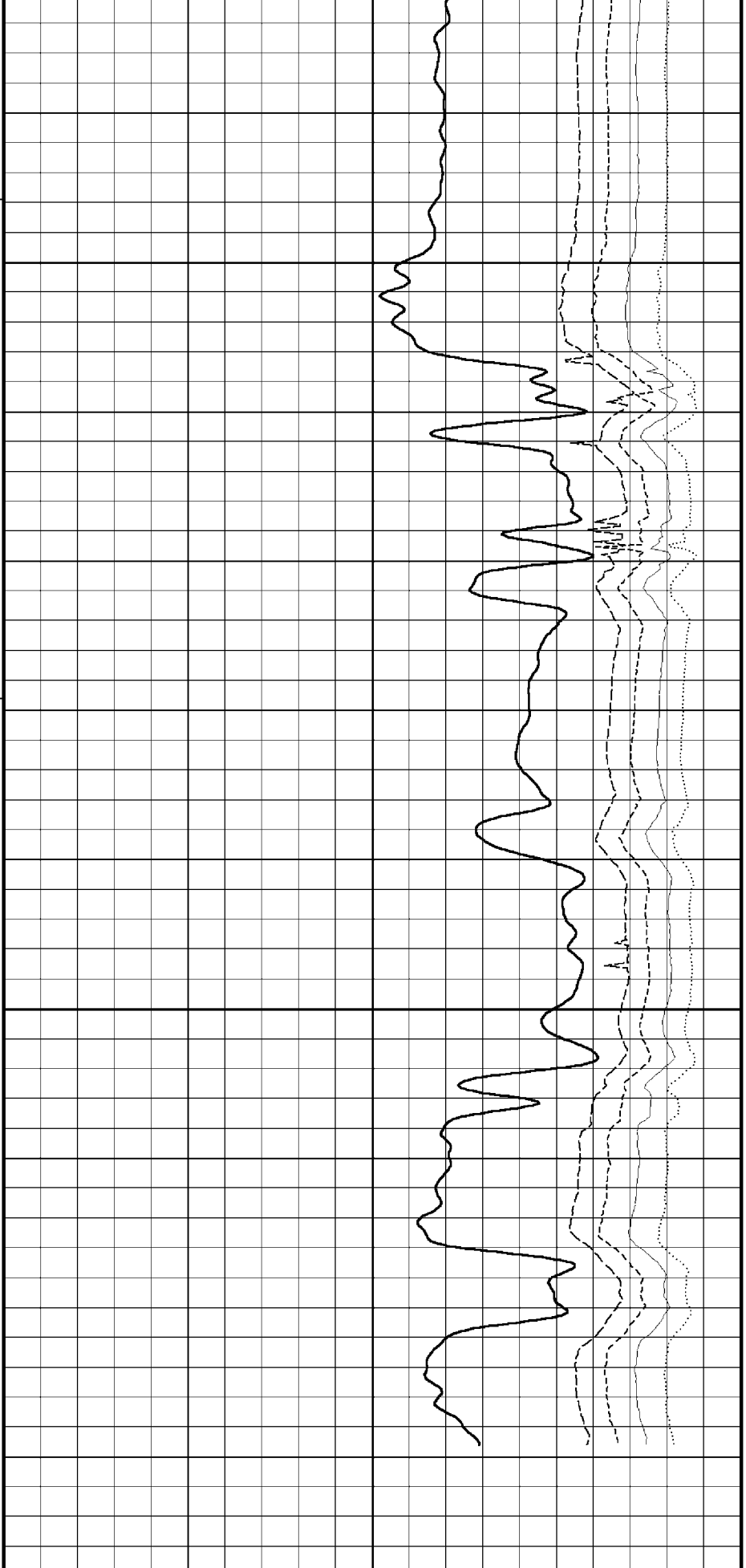
106°

2590  
TVD

TVD  
in  
Metres

Timing Marks every 60.0 sec

Borehole  
Temp in



3-5' Compensated Sonic  
microsec/metre

500 400 300 200 100

3' Transit Time  
microseconds



Concentration of RO		0.00	ppm
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	

#### Sonic Constants MSS 045

Maximum Boundary Contrast	328.08	micro-sec/m
Fluid Transit Time	620.08	micro-sec/m
Limestone Transit Time	155.84	micro-sec/m
Sandstone Transit Time	182.09	micro-sec/m
Dolomite Transit Time	142.72	micro-sec/m
Sonic used for Porosities	3-5' Compensated Sonic	
Correction for Sonde Skew	Applied	
Cycle Stretch Algorithm	Applied	
MN3FT	N/A	micro-sec
MX3FT	N/A	micro-sec

#### Fixed Gate Parameters

Start Time (micro-sec)	End Time (micro-sec)	Discriminator (mV)	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

#### Down Hole Fixed Gate Parameters

Gate Start	N/A	micro-sec
Gate Width	N/A	micro-sec

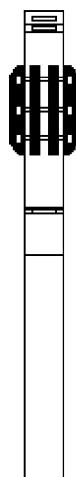
#### Full Waveform Parameters

Use derived TR for 3' Waveform	N/A
Use derived TR for 4' Waveform	N/A
Use derived TR for 5' Waveform	N/A
Use derived TR for 6' Waveform	N/A
3' Waveform Discriminator Level	N/A mV
4' Waveform Discriminator Level	N/A mV
5' Waveform Discriminator Level	N/A mV
6' Waveform Discriminator Level	N/A mV
3' Waveform Filter	N/A
4' Waveform Filter	N/A
5' Waveform Filter	N/A
6' Waveform Filter	N/A

#### 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

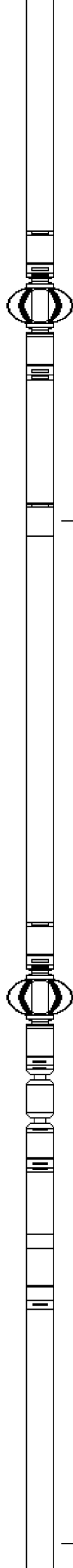
Compact Stiff Bridle Electrode Sub.  
MBE 5    Length: 3.76 m    Weight: 94.80 lb

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

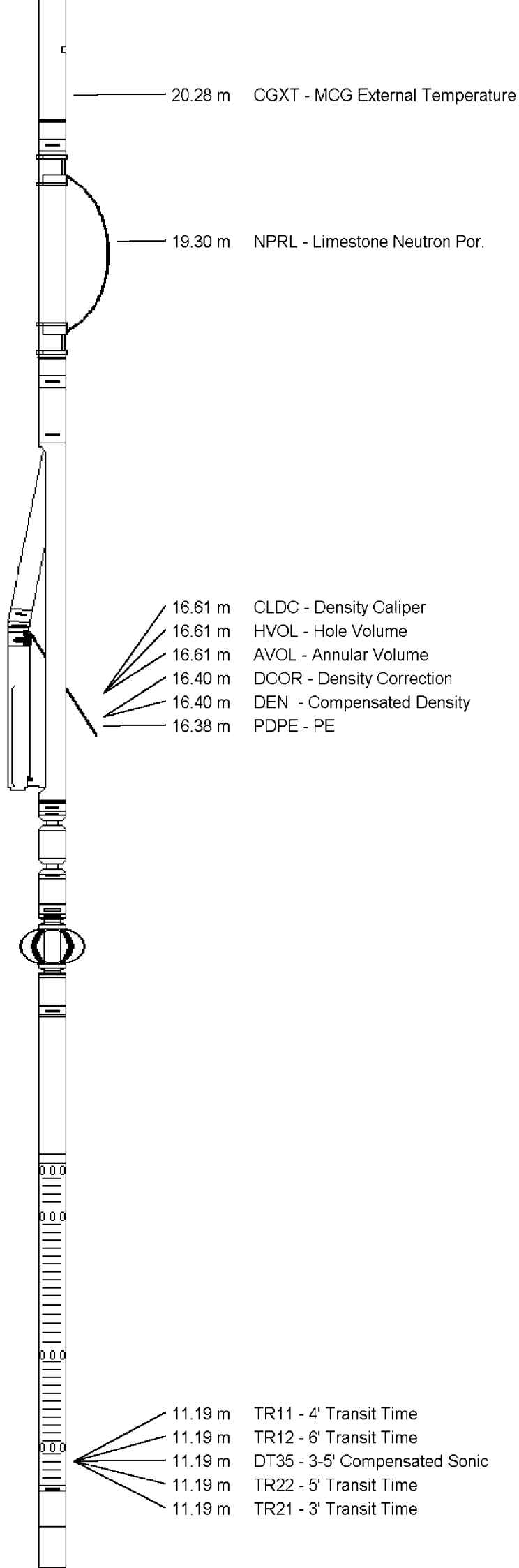
Compact Neutron  
MDN 68    Length: 1.53 m    Weight: 50.71 lb

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

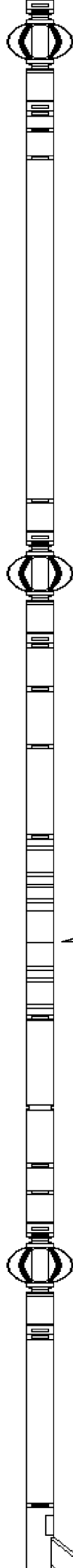
Compact Upper Guard Sub.  
MUG 17    Length: 2.74 m    Weight: 68.34 lb

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

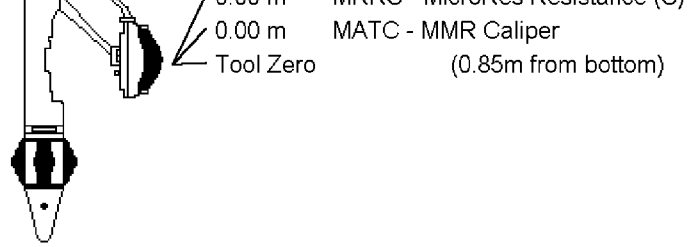
Compact Inline Standoff B  
MIS 76    Length: 0.65 m    Weight: 15.43 lb

Compact Micro-Resistivity  
MMR 15    Length: 2.62 m    Weight: 81.57 lb



4.58 m    DSLL - Shallow Laterolog  
4.58 m    DDLL - Deep Laterolog

0.00 m    MRBS - MicroRes Resistance (S)



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

<b>Reeves</b>	COMPENSATED SONIC 1:200 TVD
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