

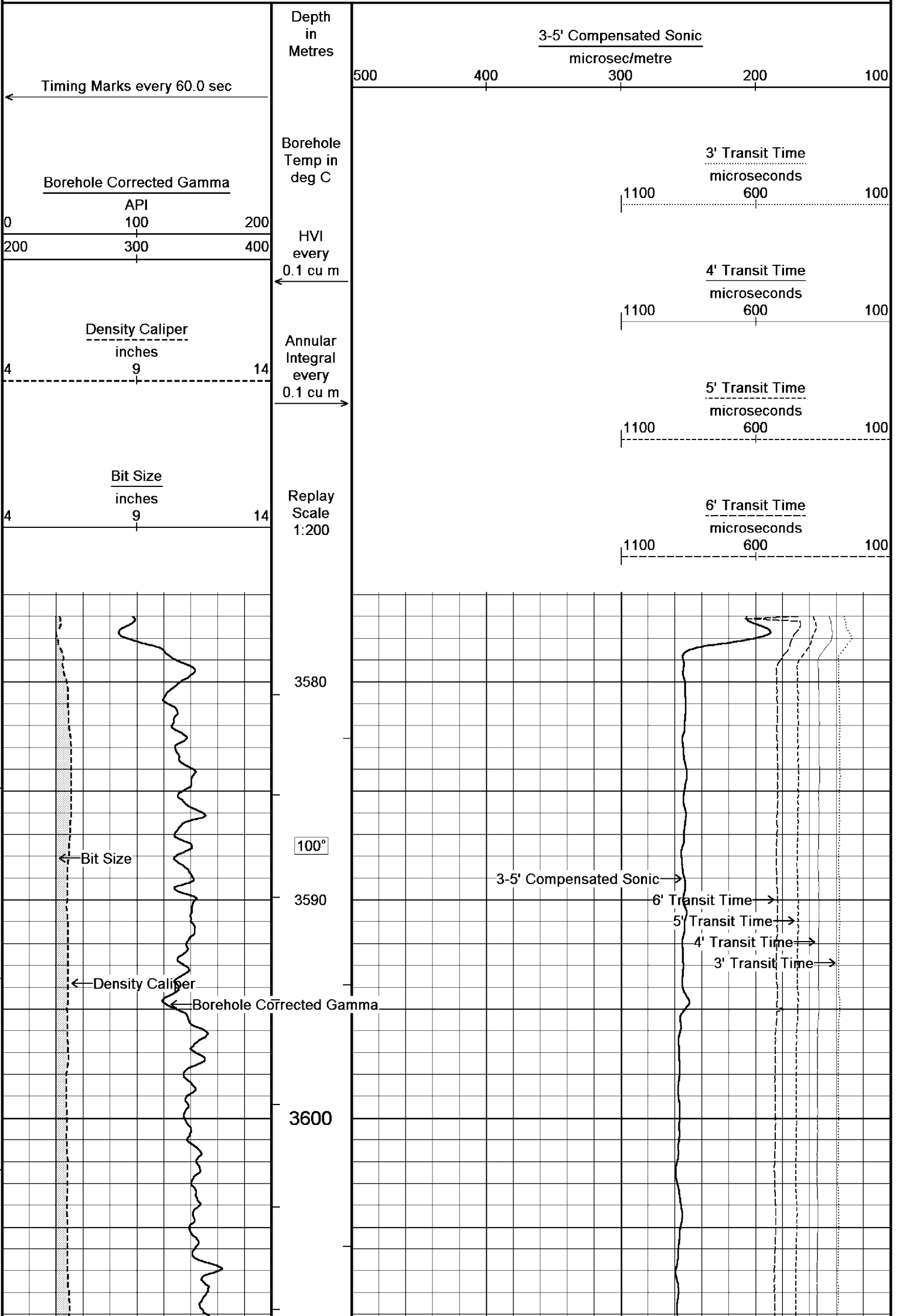
Reeves

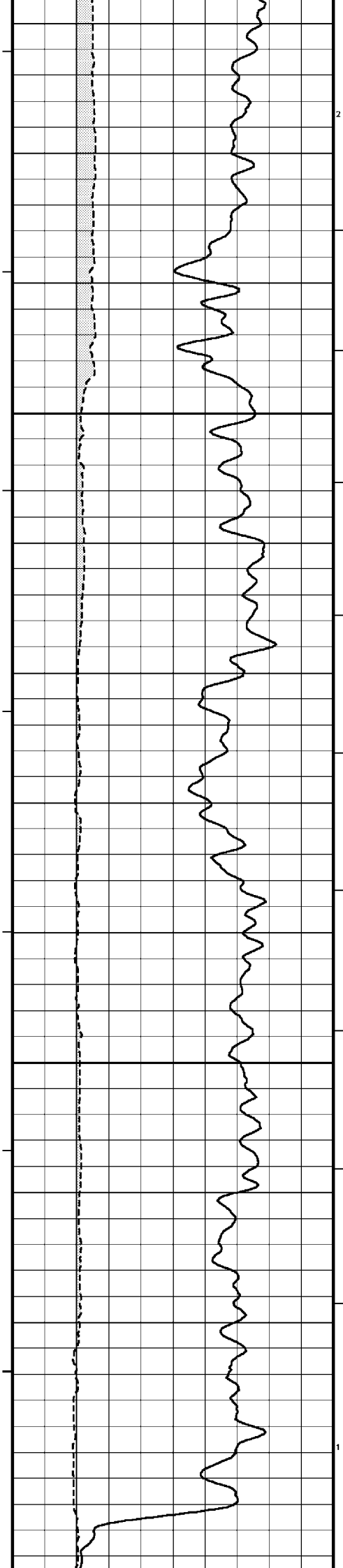
COMPENSATED SONIC 1:200 MD

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	Other Services DUAL LATEROLOG PHOTO DENSITY MICRO LATEROLOG
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	3737.00 metres			
Depth Logger	3736.85 metres			
First Reading	3736.00 metres			
Last Reading	3570.50 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.





3610

101°

3620

3630

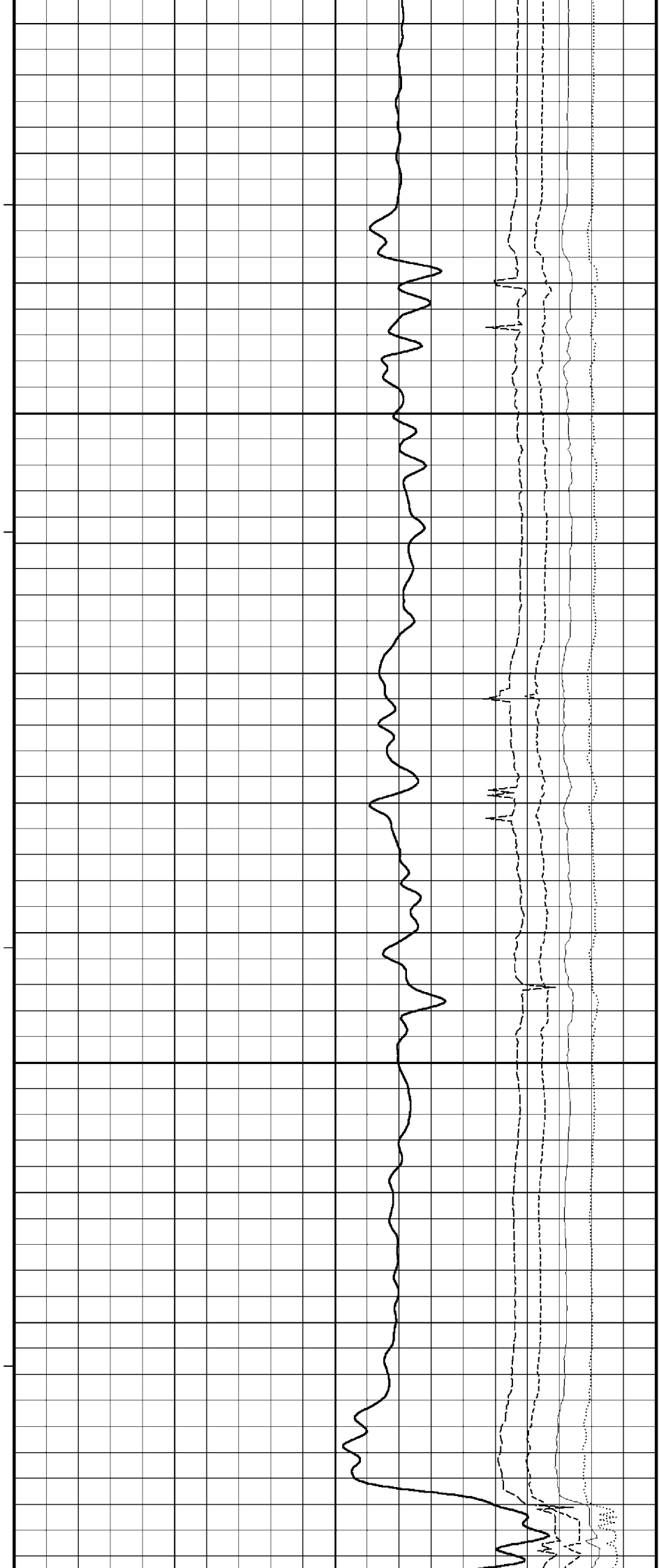
103°

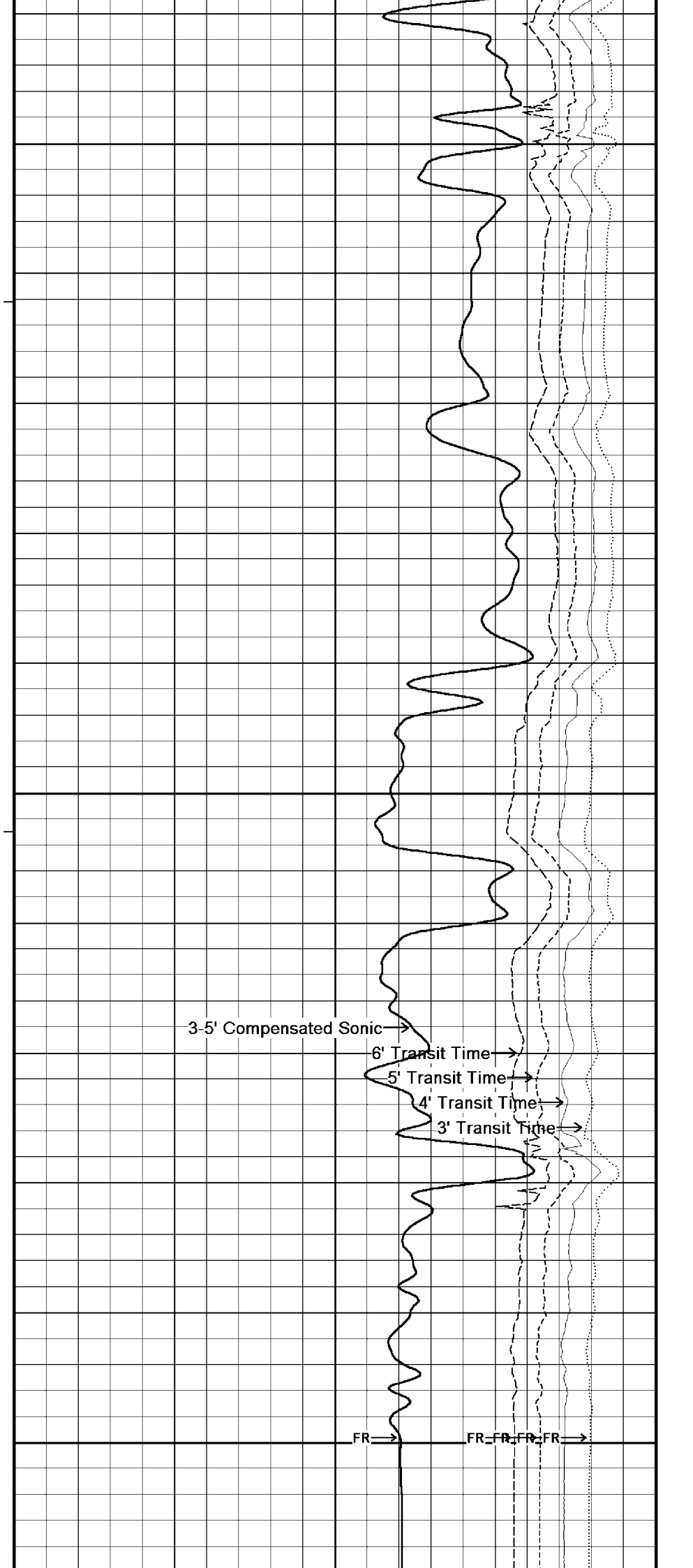
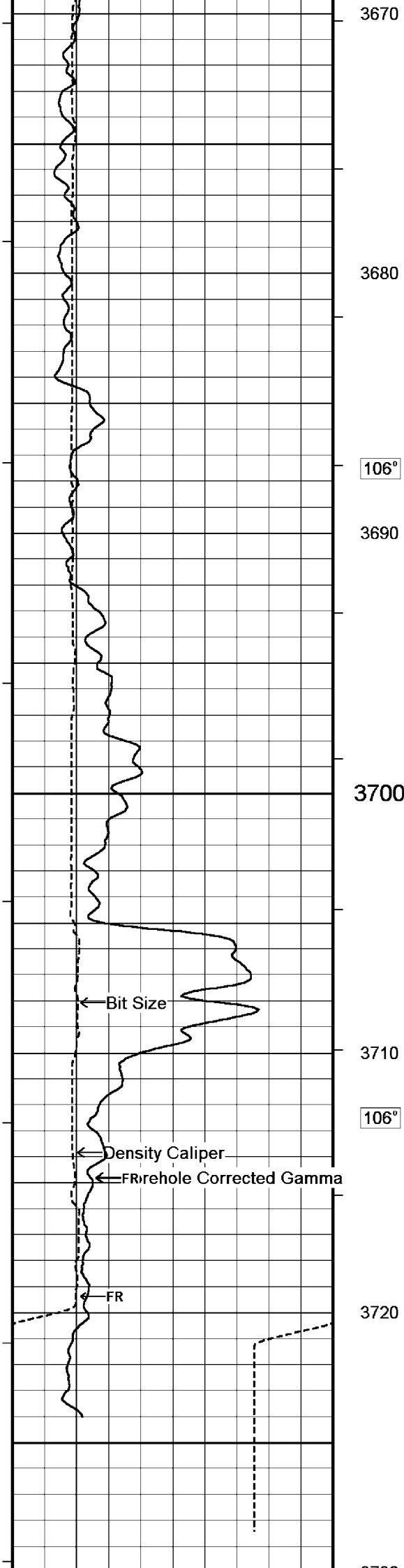
3640

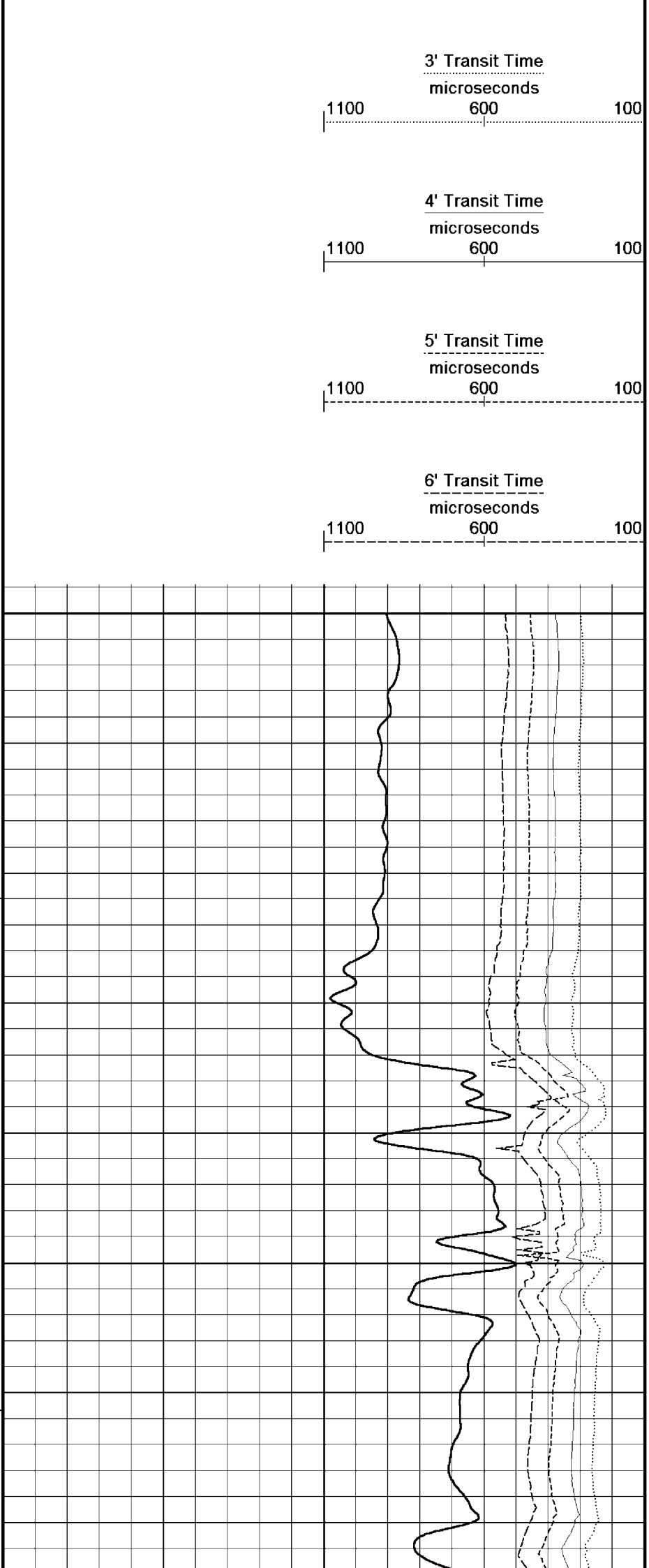
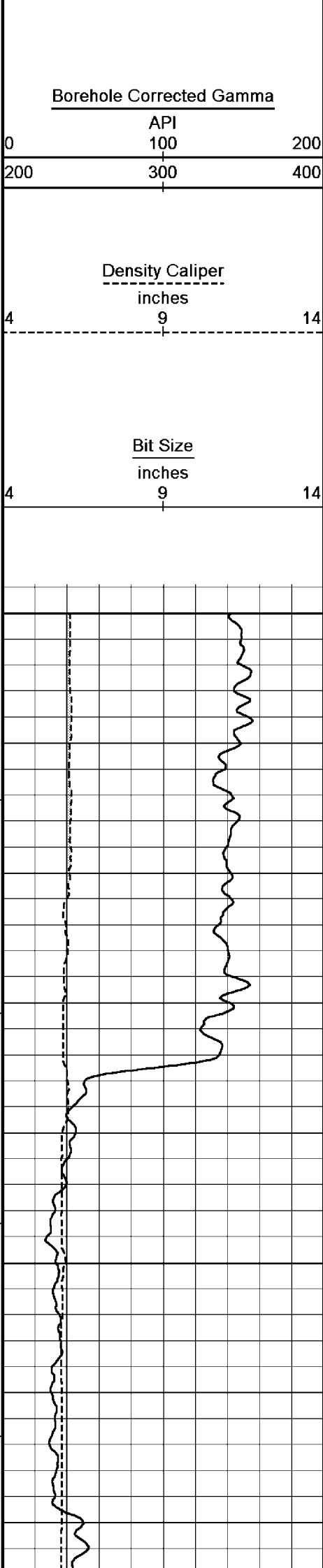
3650

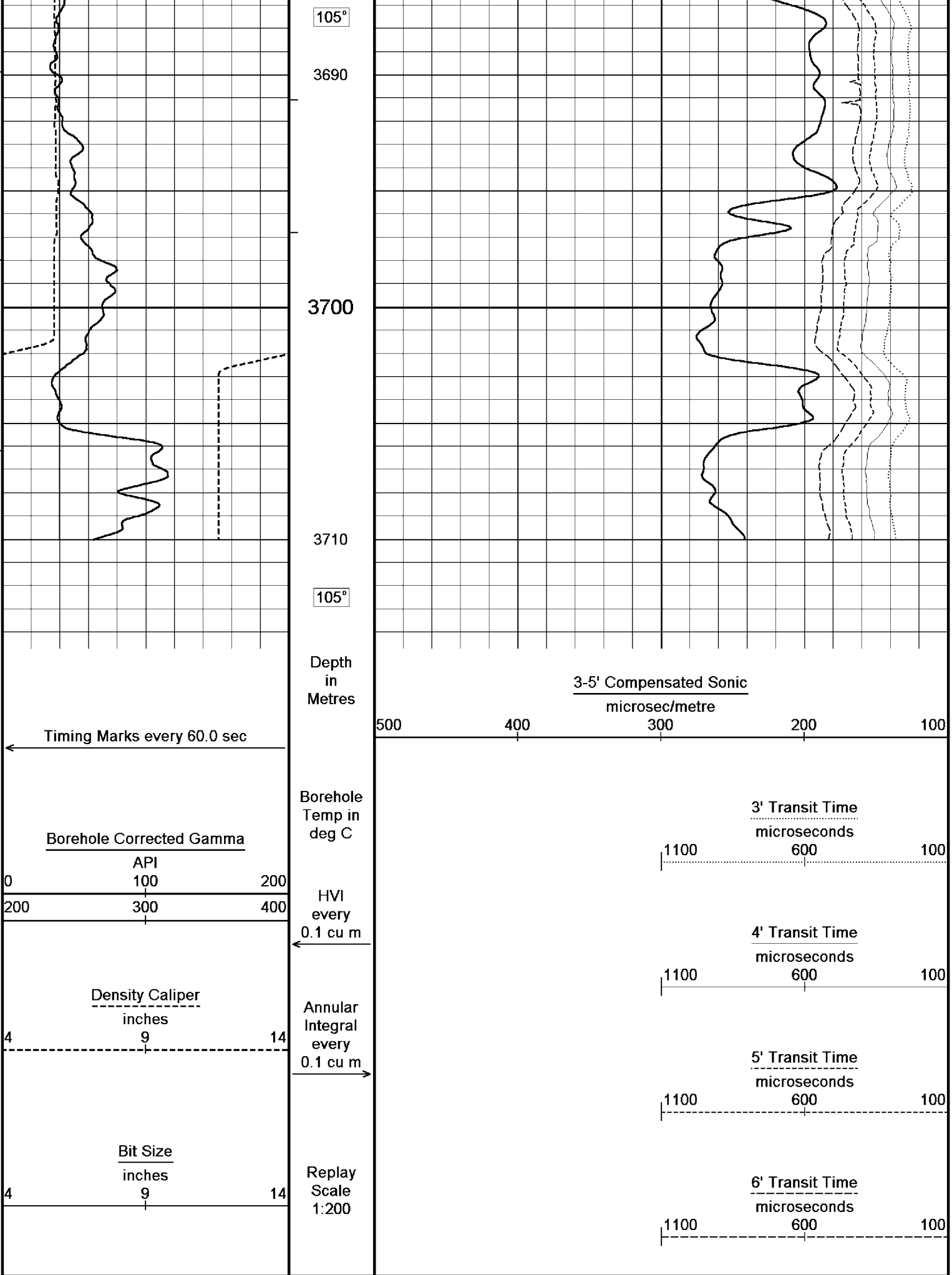
3660

104°









Depth Based Data - Maximum Sampling Increment 10.0cm
Filename: C:\Data\FLA A18a TD\B & W Replay\Mss\FLA_A18a_Repeat.dta
System Configuration Dates: Logged 23-OCT-2002: Plotted 23-OCT-2002:

Plotted on 12-AUG-2003 12:29
Recorded on 30-JUN-2003 14:04

BEFORE SURVEY CALIBRATION

C:\Data\FLA A18a TD\B & W Replay\Mss\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

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
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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



27.65 m SPDL - Spontaneous Potential

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

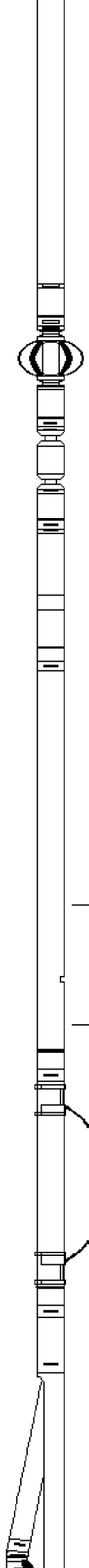
Compact Knuckle Joint
SKJ 46 Length: 0.66 m Weight: 24.25 lb

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



21.16 m GGCE - Borehole Corrected Gamma

20.28 m CGXT - MCG External Temperature

19.30 m NPRL - Limestone Neutron Por.

16.61 m CLDC - Density Caliper

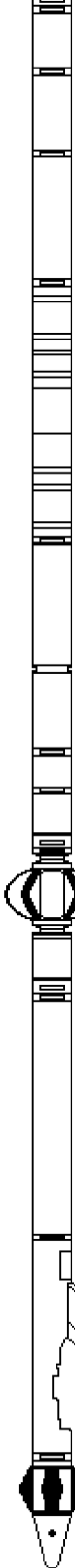
16.61 m HVOL - Hole Volume



Compact Inline Standoff B
MIS 49 Length: 0.65 m Weight: 15.43 lb

11.19 m	TR11 - 4' Transit Time
11.19 m	TR12 - 6' Transit Time
11.19 m	DT35 - 3-5' Compensated Sonic
11.19 m	TR22 - 5' Transit Time
11.19 m	TR21 - 3' Transit Time

Compact Laterolog Electrode Sub.
MLE 15 Length: 3.76 m Weight: 92.59 lb



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

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

0.00 m MRRS - MicroRes Resistance (S)
0.00 m MATC - MMR Caliper
Tool Zero (0.85m from bottom)

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



COMPENSATED SONIC
1:200 MD

