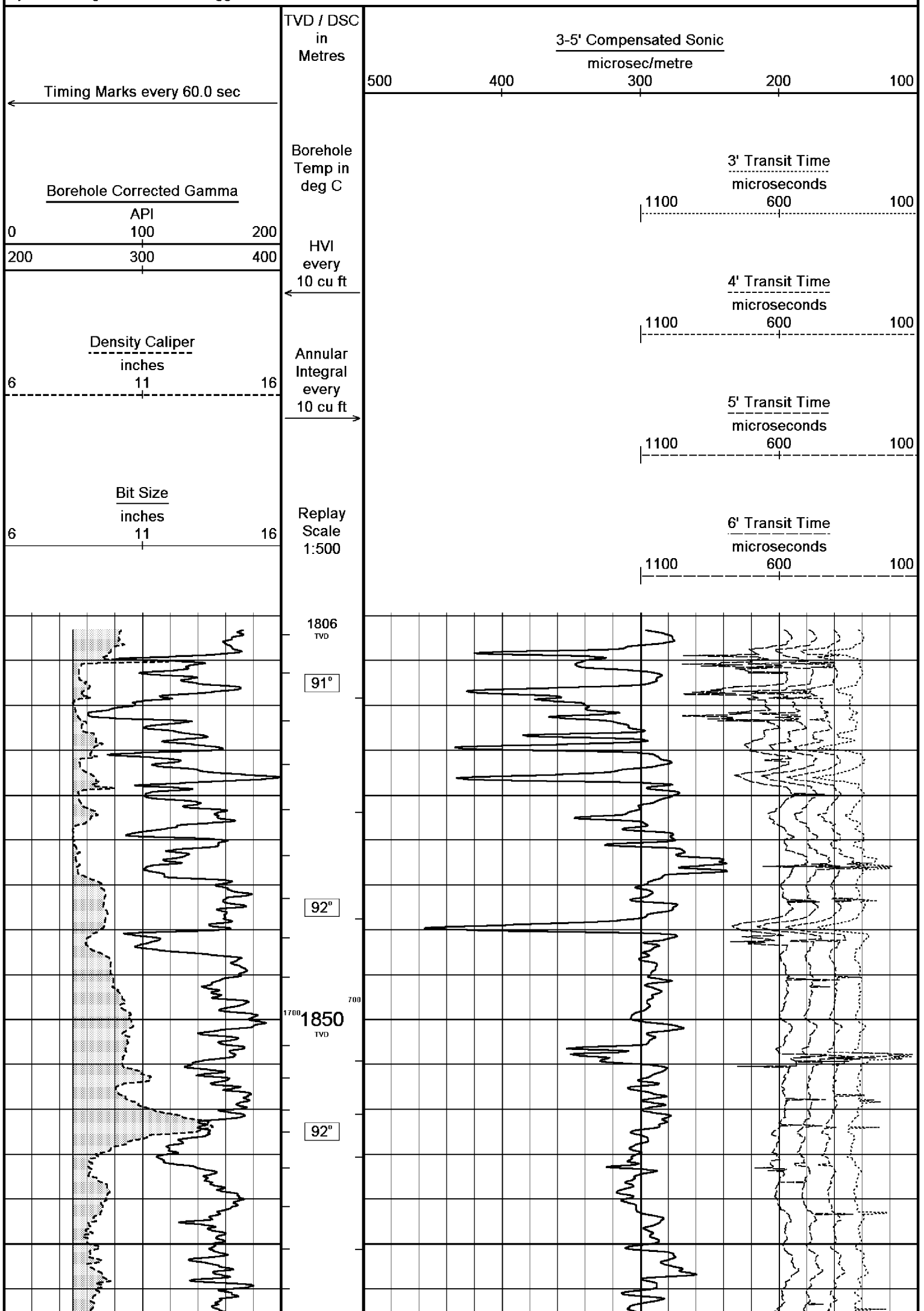
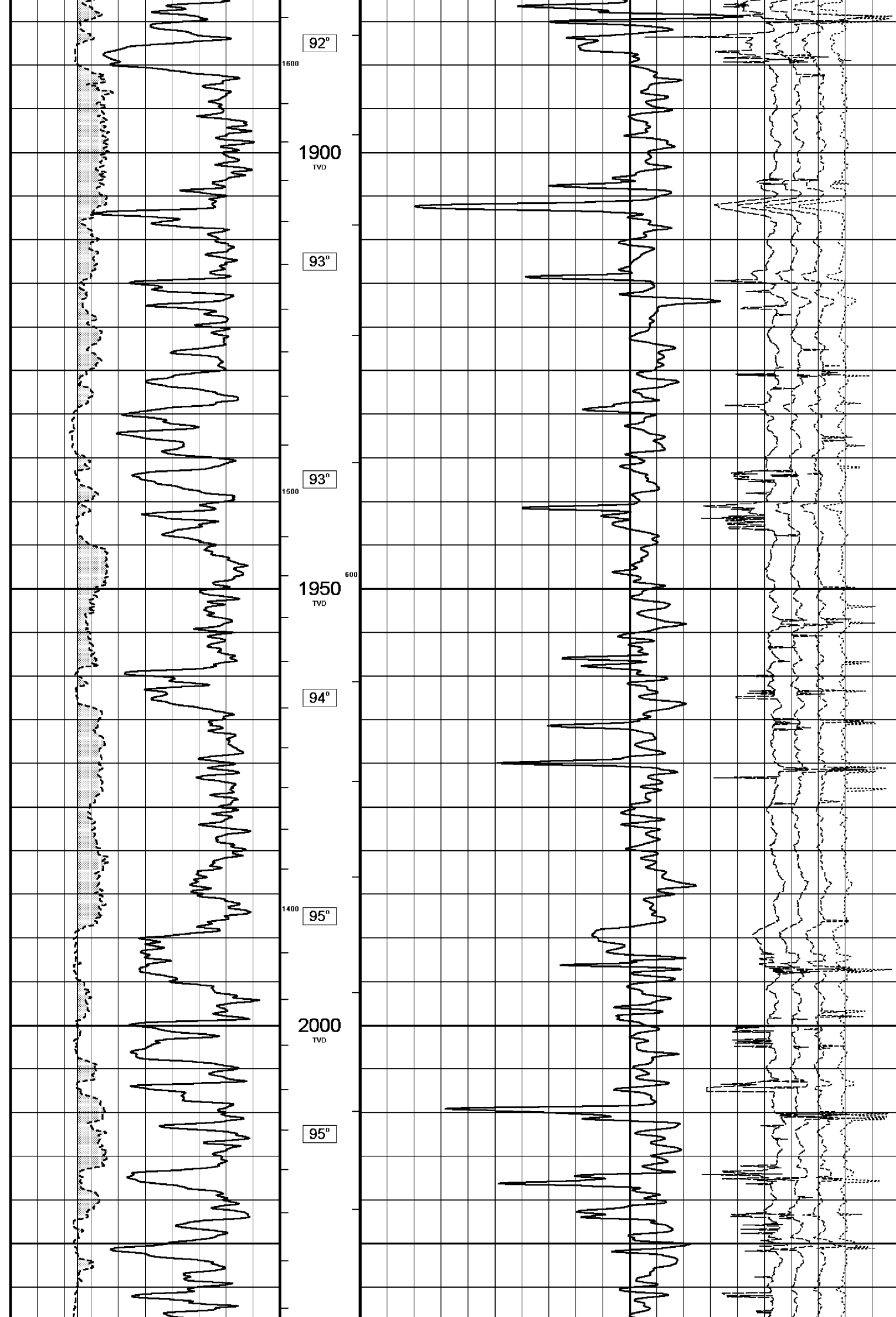


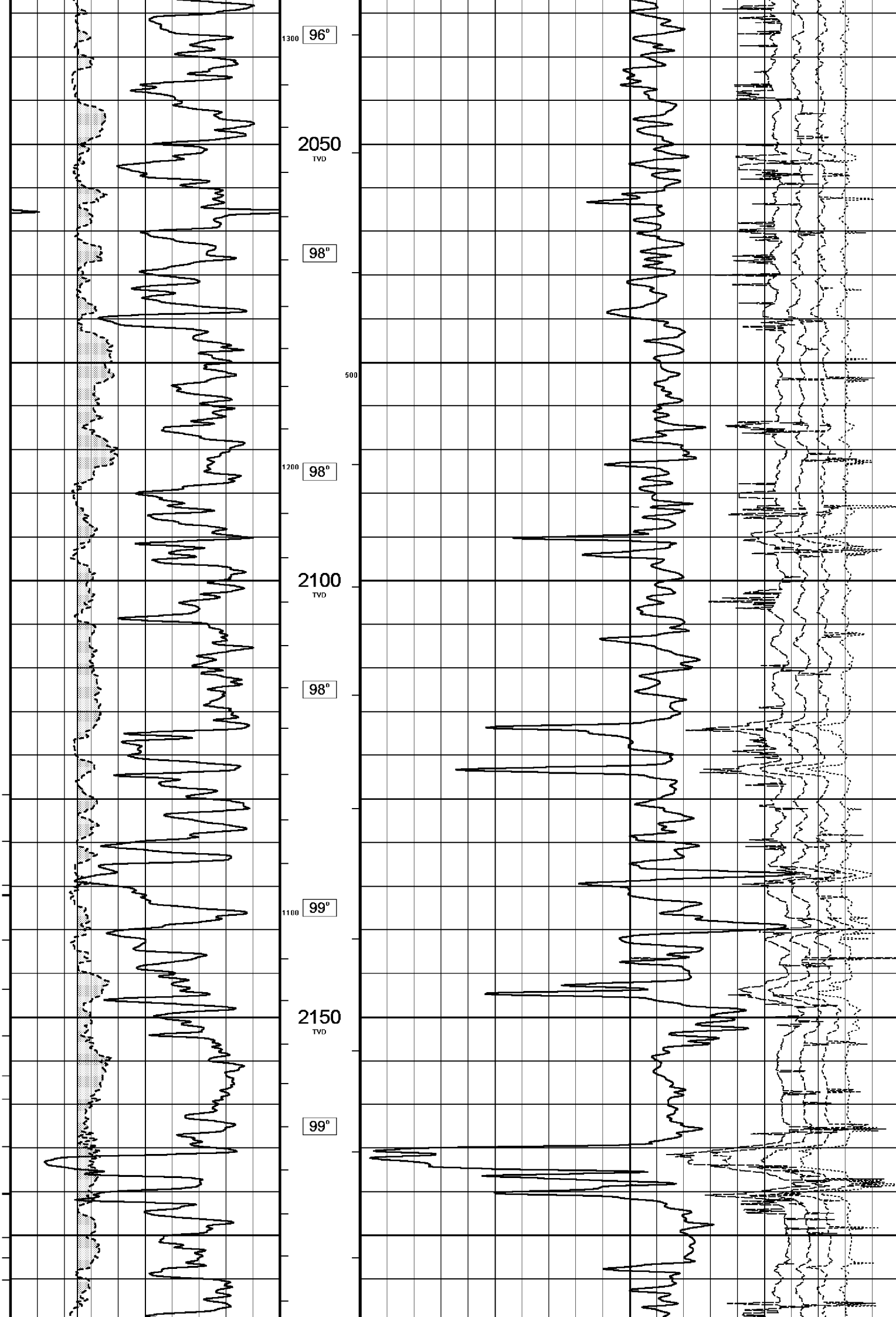
<div>Reeves</div> <div>Compact</div>			COMPENSATED SONIC			1:500 TVD			
COMPANY			Esso Australia Pty Ltd						
WELL			Marlin A10a ST						
FIELD			Turrum						
PROVINCE/COUNTY			Bass Strait						
COUNTRY/STATE			Australia						
LOCATION			38 13 49.320E , 148 13 15.712S						
			N 5767920.060 m , E 606868.950 m						
			[FINAL PRINT]						
LSD	SEC	TWP	RGE	Other Services			DUAL LATEROLOG		
API Number			VIC L3/L4			PHOTO DENSITY			
Permit Number			COMPENSATED NEUTRON						
Permanent Datum M.S.L.			, Elevation 0.00 metres			Elevations:			
Log Measured From R.T.			@ 27.91m above Permanent Datum			KB DF GL 27.91 metres metres metres			
Drilling Measured From R.T.									
Date	15-SEP-2004								
Run Number	One								
Depth Driller	2713.46 metres								
Depth Logger	2707.83 metres								
First Reading	2703.46 metres								
Last Reading	1806.66 metres								
Casing Driller	616.41 metres								
Casing Logger									
Bit Size	8.50 inches								
Hole Fluid Type	KC/PPH/PA/GLY								
Density / Viscosity	9.90 lb/USg					77.00 CP			
PH / Fluid Loss	9.10					2.80 ml/30Min			
Sample Source	Flow Line								
Rm @ Measured Temp	0.135 @ 25.0					ohm-m			
Rmf @ Measured Temp	0.098 @ 25.0					ohm-m			
Rmc @ Measured Temp	0.168 @ 25.0					ohm-m			
Source Rmf / Rmc	Press					Press			
Rm @ BHT	0.047 @114.0					ohm-m			
Time Since Circulation	23.5 Hrs								
Max Recorded Temp	114.00					deg C			
Equipment Name	CWS/CML								
Equipment / Base	1					Sale			
Recorded By	G. McManus, R. Tench								
Witnessed By	C. MENHENITT								
Circ Stopped	2200 14-Sep								

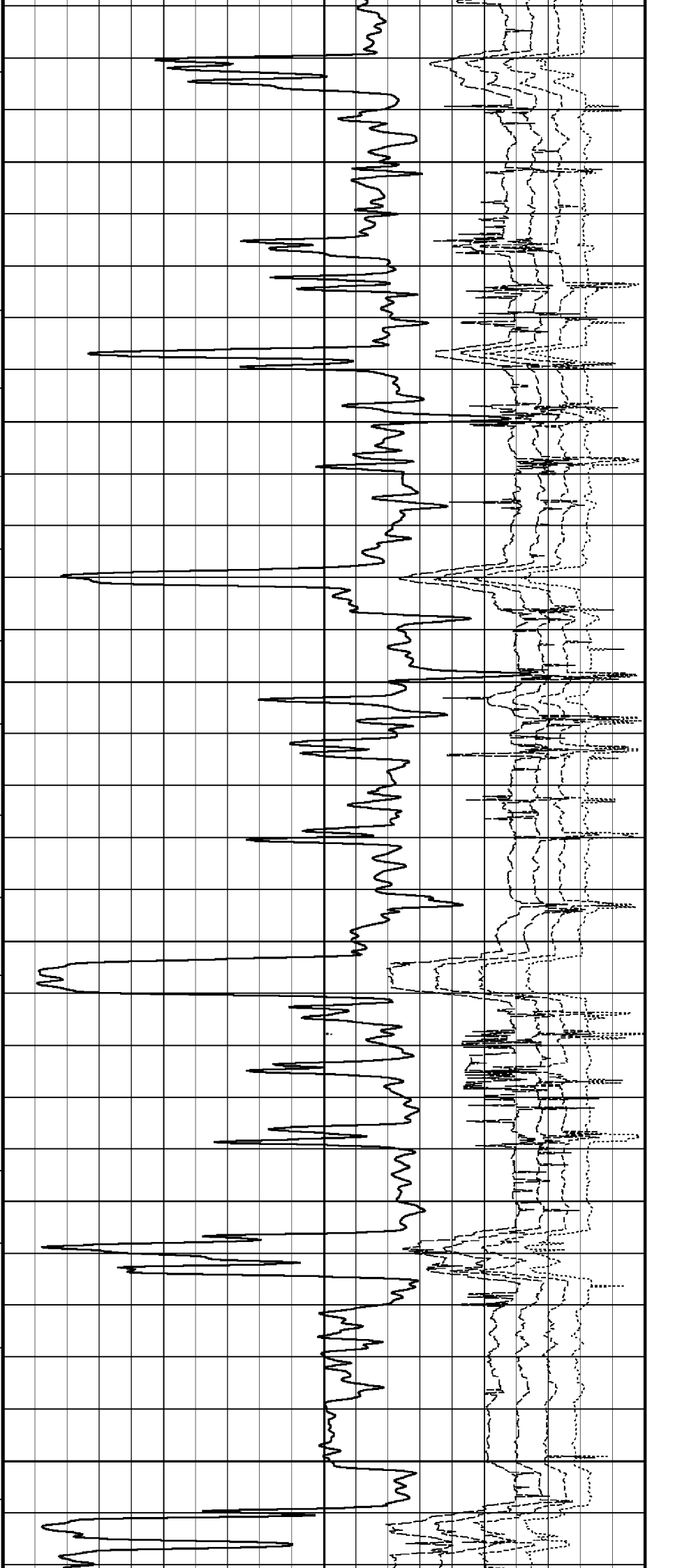
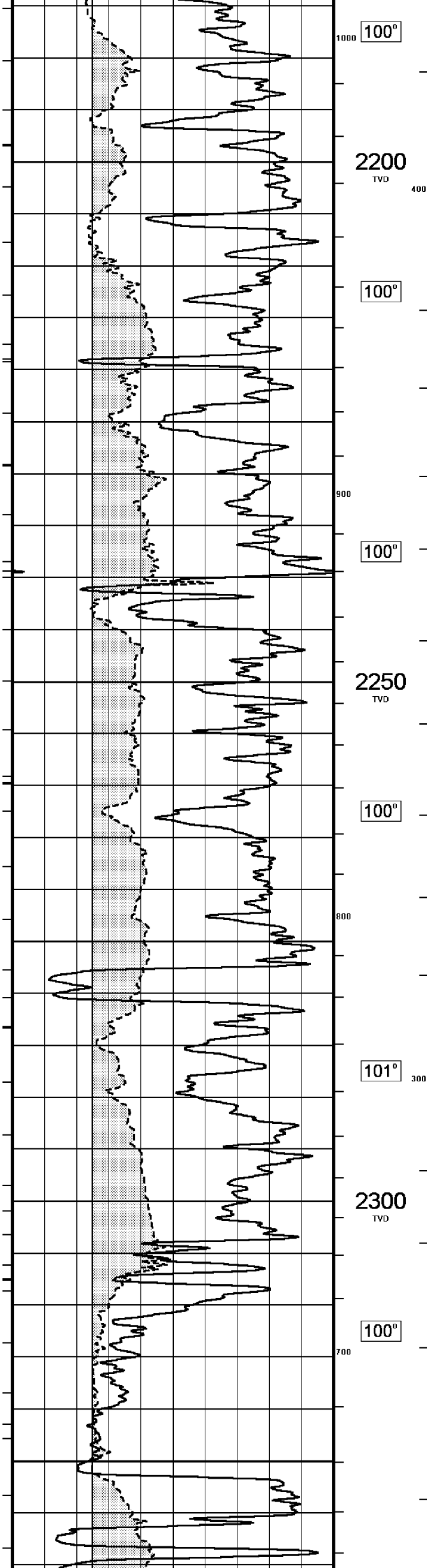
BOREHOLE RECORD				
Bit Size inches		Depth From metres		Depth To metres
8.500		642.000		3491.000
CASING RECORD				
Type	Size inches	Depth From metres	Shoe Depth metres	Weight pounds/ft
J-55	13.375	0.000	642.000	54.40
REMARKS				
Drilling Rig: Nabors 453				
Crew: G McManus; R Tench; B Goodwin; M Susa				
Open hole well logged using Reeves COMPACT logging tools and 5" Shuttle conveyed Memory logging techniques.				
Logs depth corrected and quality controlled with Anadrill gamma log.				
Caliper reading inside casing: 12.688 In.				
Inside diameter of casing: 12.615 In.				
Max Inclination: 45.1 deg at 2884.87mMDRT				
Max Dogleg Severity: 4.32 deg at 3229.06mMDRT				
Max Temperature: 114.0 deg C at 3429.90mMDRT				
Hole Volume to Last Read: 1790 ft^3				
Annular Volume to Last Read: 735 ft^3				

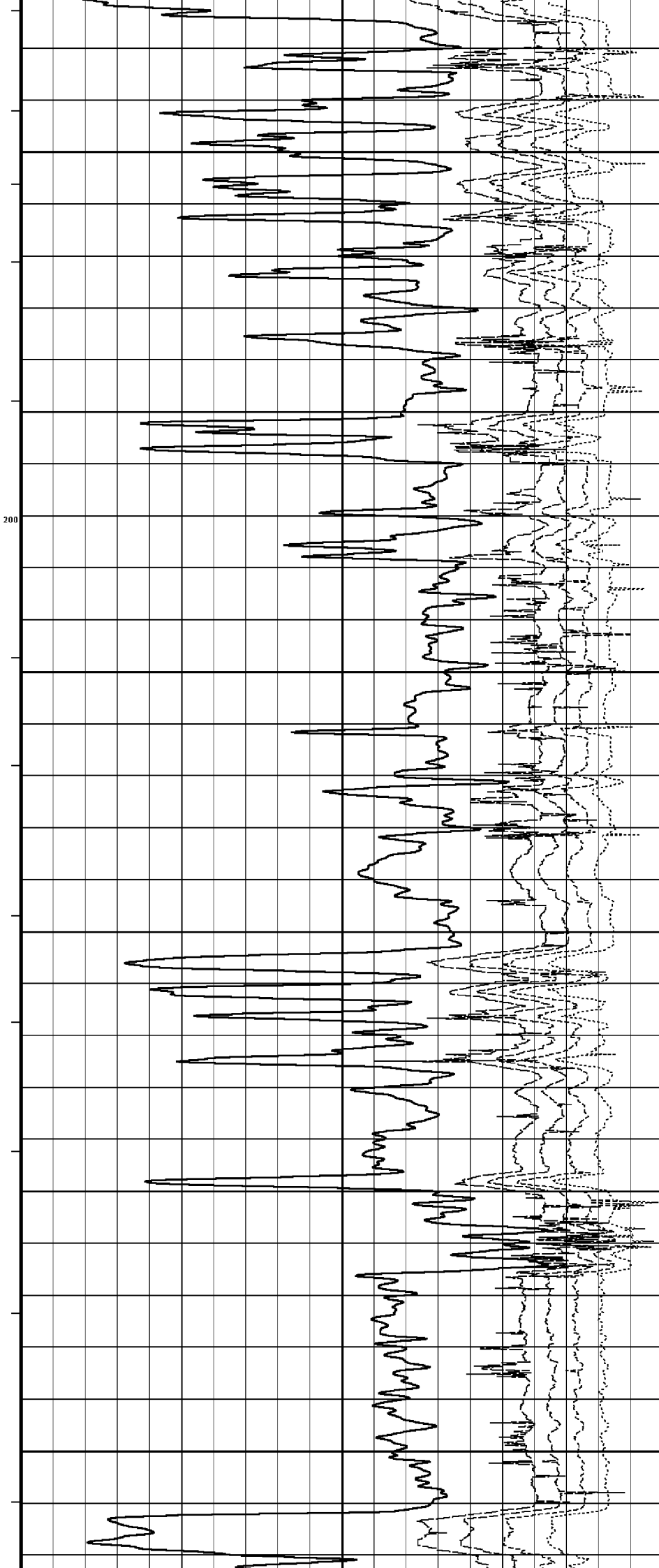
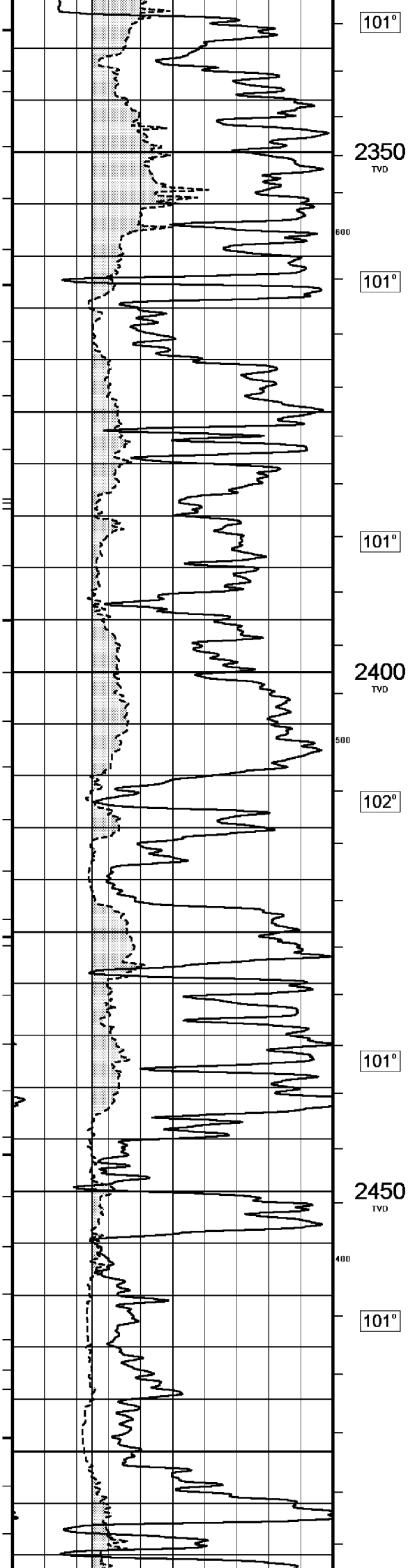
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs,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

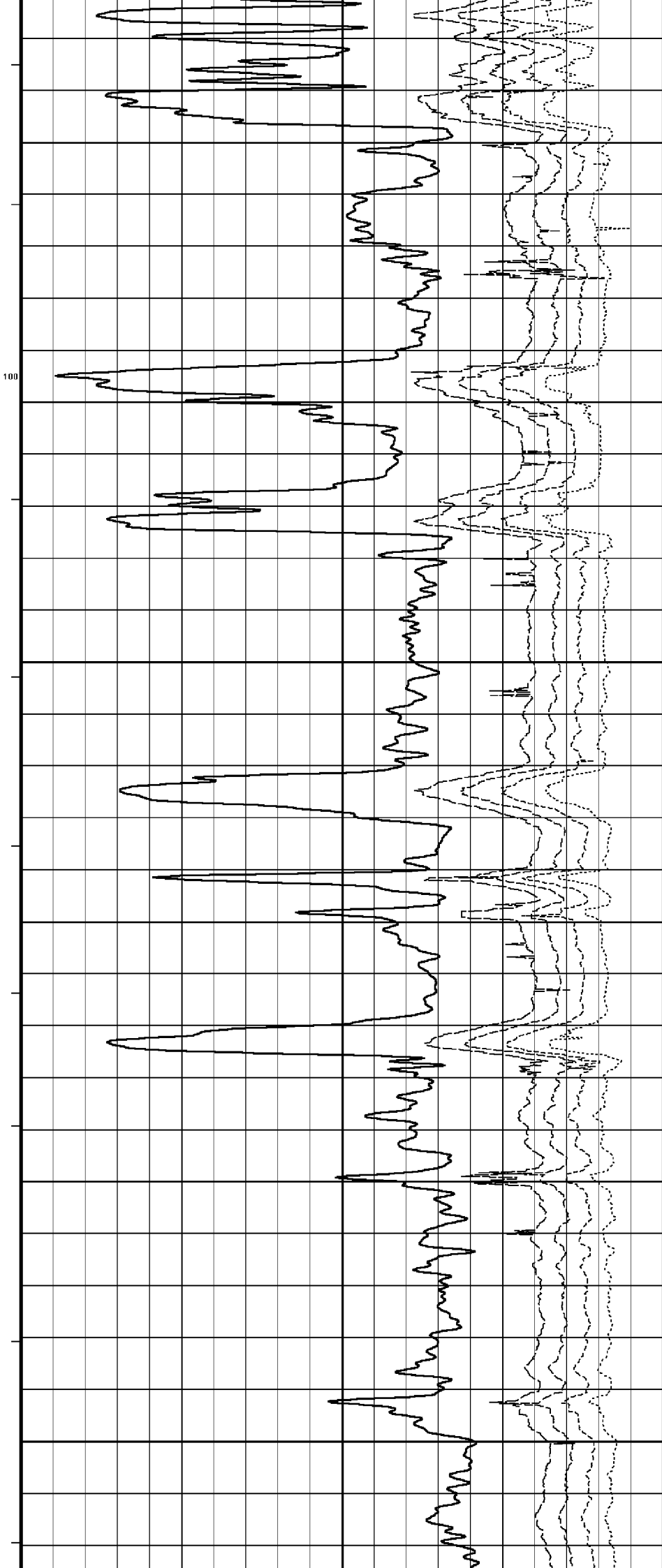
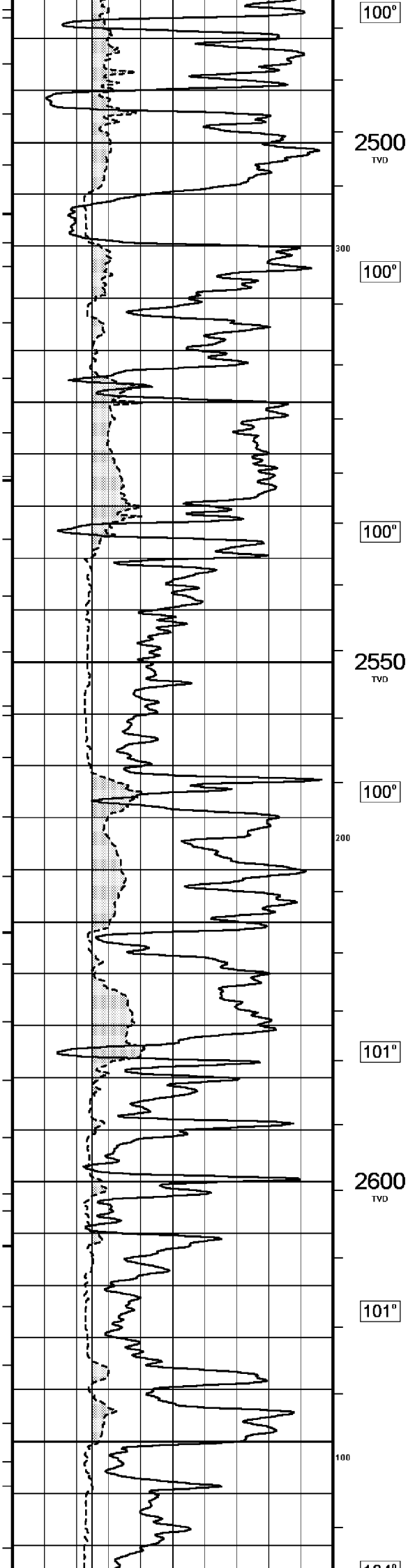


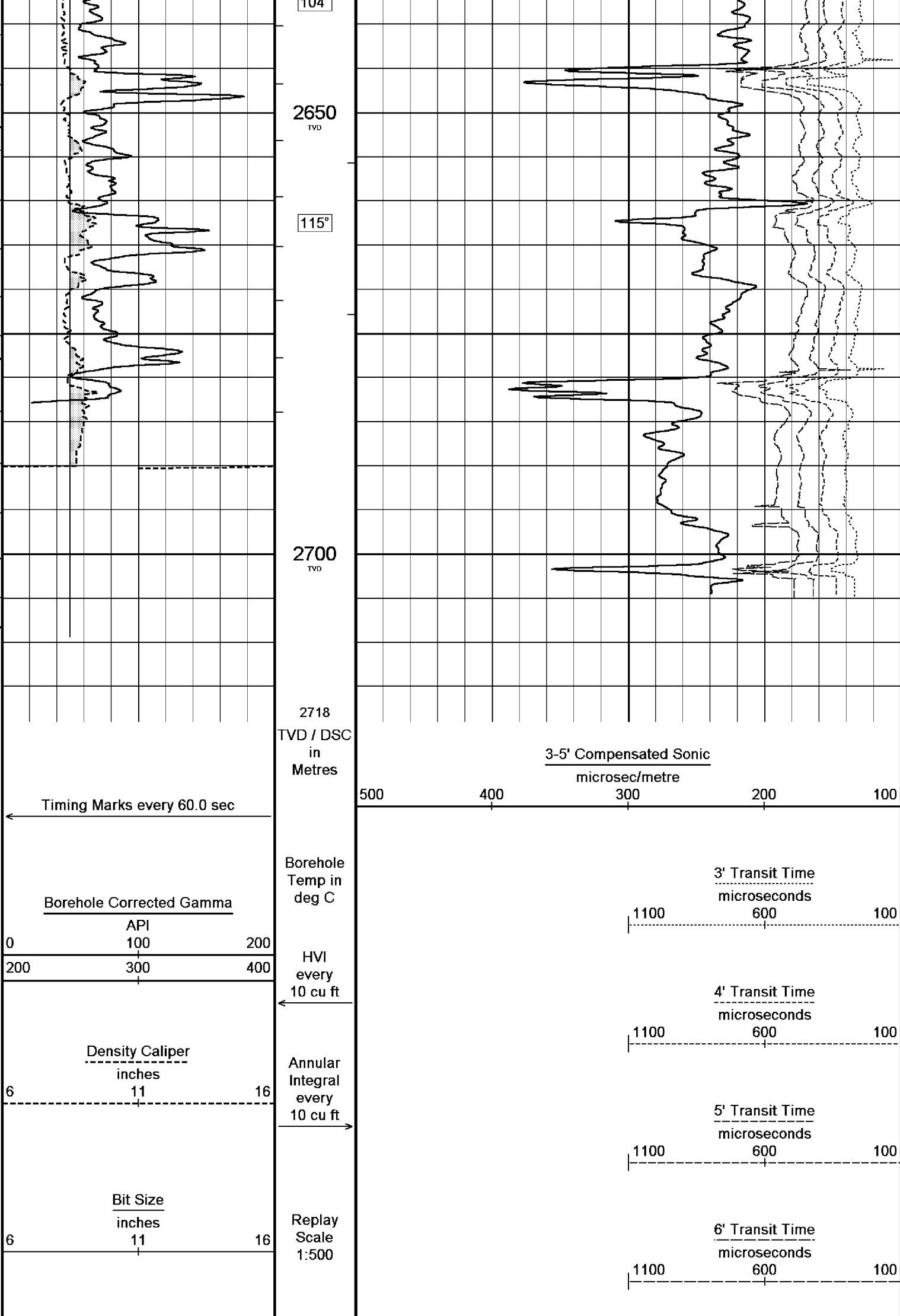














MAIN LOG 1:500



BEFORE SURVEY CALIBRATION

C:\MLA A10AST\FINALS\BLACK AND WHITE PRESENTATIONS\MLA_A10AST_Main_Log_MSS.dta

General Constants All 000

General Parameters

Mud Resistivity	0.135	ohm-metres
Mud Resistivity Temperature	25.000	degrees C
Water Level	0.000	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	7.000	inches
Caliper for Differential Caliper	Density Caliper	

Rwa Parameters

Porosity used	Base Density Porosity
Resistivity used	Deep Induction
RWA Constant A	0.610
RWA Constant M	2.150

High Resolution Temperature Calibration MCG 043

Field Calibration on 10-FEB-2004,09:37

	Measured	Calibrated(Deg C)
Lower	0.00	0.00
Upper	100.00	100.00

High Resolution Temperature Constants MCG 043

Pre-filter Length	11
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Gamma Calibration MCG 043

Field Calibration on 13-SEP-2004 17:13

	Measured	Calibrated (API)
Background	7	4
Calibrator (Gross)	1404	913
Calibrator (Net)	1397	909

Gamma Constants MCG 043

Gamma Calibrator Number	60	
Mud Density	1.18	gm/cc
Caliper Source for Processing	Density Caliper	
Tool Position	Eccentred	
Concentration of KCl	0.00	kppm

Caliper Calibration MPD 083

Base Calibration on 1-SEP-2004 10:37

Field Calibration on 13-SEP-2004 18:41

Base Calibration

Reading No	Measured	Calibrator Size (in)
1	13072	4.01
2	21358	5.99
3	29792	7.98
4	38288	9.94
5	47695	12.01
6	N/A	N/A

Field Calibration

Measured Caliper (in)	Actual Caliper (in)
7.95	7.98

Sonic Constants MSS 047

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
Initial Discriminator Level	0.0000	mVolts

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	
Semblance Level	N/A	
Semblance Window Width	N/A	micro-sec
Sonic 1 Despiker	N/A	N/A
Sonic 2 Despiker	N/A	N/A

DOWNHOLE EQUIPMENT

C:\MLA A10AST\FINALS\BLACK AND WHITE PRESENTATIONS\MLA_A10AST_Main_Log_MSS.dta

Compact Swivel Head Adaptor
SHA 64 Length: 0.83 m Weight: 26.5 lb

Compact Knuckle Joint
SKJ 111 Length: 0.66 m Weight: 24.3 lb

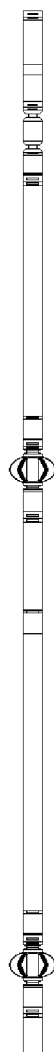
Compact Battery Sub.
MBS 99 Length: 4.34 m Weight: 88.2 lb

Compact Inline Standoff B
MIS 144 Length: 0.65 m Weight: 15.4 lb

Compact Stiff Bridle Electrode Sub.
MBE 18 Length: 3.76 m Weight: 94.8 lb

Compact Inline Standoff B
MIS 142 Length: 0.65 m Weight: 15.4 lb

Compact Stiff Bridle Electrode Sub.



Compact Swivel Head Electrode Sub.
MBE 19 Length: 3.76 m Weight: 94.8 lb

Compact Inline Standoff B
MIS 141 Length: 0.65 m Weight: 15.4 lb

Thrid Bridle MBE 20
MLK 111 Length: 3.76 m Weight: 94.8 lb

Compact Inline Standoff B
MIS 140 Length: 0.65 m Weight: 15.4 lb

Compact Knuckle Joint
SKJ 110 Length: 0.66 m Weight: 24.3 lb

Compact Gamma
MCG 43 Length: 2.65 m Weight: 63.9 lb

Compact Memory Sub.
MMS 24 Length: 0.95 m Weight: 22.0 lb

Compact Knuckle Joint
SKJ 100 Length: 0.66 m Weight: 24.3 lb

Compact Swivel Head Adaptor
SHA 71 Length: 0.83 m Weight: 26.5 lb

Compact Inline Bowspring A
MIS 94 Length: 1.74 m Weight: 33.1 lb

Compact Neutron
MDN 85 Length: 1.53 m Weight: 50.7 lb

Compact Density/Caliper
MPD 83 Length: 2.92 m Weight: 90.4 lb

Compact Inline Bowspring A
MIS 24 Length: 1.74 m Weight: 33.1 lb

Compact Knuckle Joint
SKJ 102 Length: 0.66 m Weight: 24.3 lb



31.38 m GGCE - Borehole Corrected Gamma
30.50 m CGXT - MCG External Temperature

22.65 m AVOL - Annular Volume
22.65 m HVOL - Hole Volume
22.65 m CLDC - Density Caliper

Compact Inline Standoff B
MIS 139 Length: 0.65 m Weight: 15.4 lb

Compact Upper Guard Sub.
MUG 5 Length: 2.74 m Weight: 68.3 lb

Compact Inline Standoff B
MIS 136 Length: 0.65 m Weight: 15.4 lb

Compact Laterolog Electrode Sub.
MLE 17 Length: 3.76 m Weight: 92.6 lb

Compact Inline Standoff B
MIS 133 Length: 0.65 m Weight: 15.4 lb

Compact Lower Guard Sub.
MLG 7 Length: 2.44 m Weight: 55.1 lb

Compact Inline Standoff B
MIS 130 Length: 0.65 m Weight: 15.4 lb

Compact Sonic
MSS 47 Length: 3.82 m Weight: 72.8 lb

Compact Inline Standoff B
MIS 132 Length: 0.65 m Weight: 15.4 lb

Compact Induction
MAI 39 Length: 3.29 m Weight: 48.5 lb

Pressure Bung + Hole Finder
HFS 3 Length: 0.40 m Weight: 6.6 lb

Total Length: 53.77 m Weight: 1298.5 lb



4.60 m TR21 - 3' Transit Time
4.60 m TR12 - 6' Transit Time
4.60 m TR22 - 5' Transit Time
4.60 m TR11 - 4' Transit Time
4.60 m DT35 - 3-5' Compensated Sonic
Tool Zero (0.44m from bottom)

All measurements relative to tool zero.

COMPANY	Esso Australia Pty Ltd				
WELL	Marlin A10a ST				
FIELD	Turrum				
PROVINCE/COUNTY	Bass Strait				
COUNTRY/STATE	Australia				

Elevation Kelly Bushing		metres	First Reading	2703.46	metres
Elevation Drill Floor	27.91	metres	Depth Driller	2713.46	metres
Elevation Ground Level	-59.00	metres	Depth Logger	2707.83	metres



COMPENSATED SONIC

1:500 TVD