

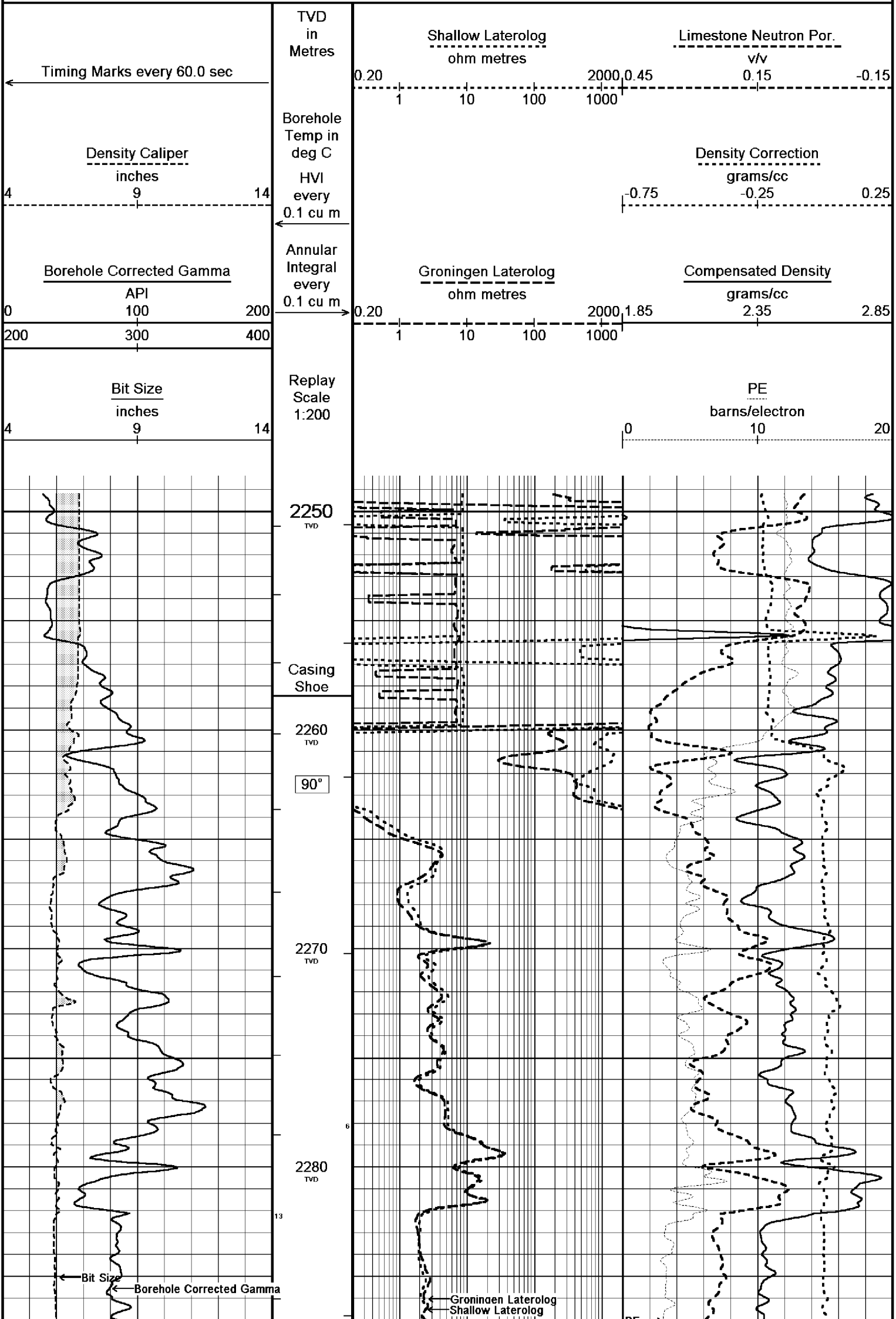
Reeves

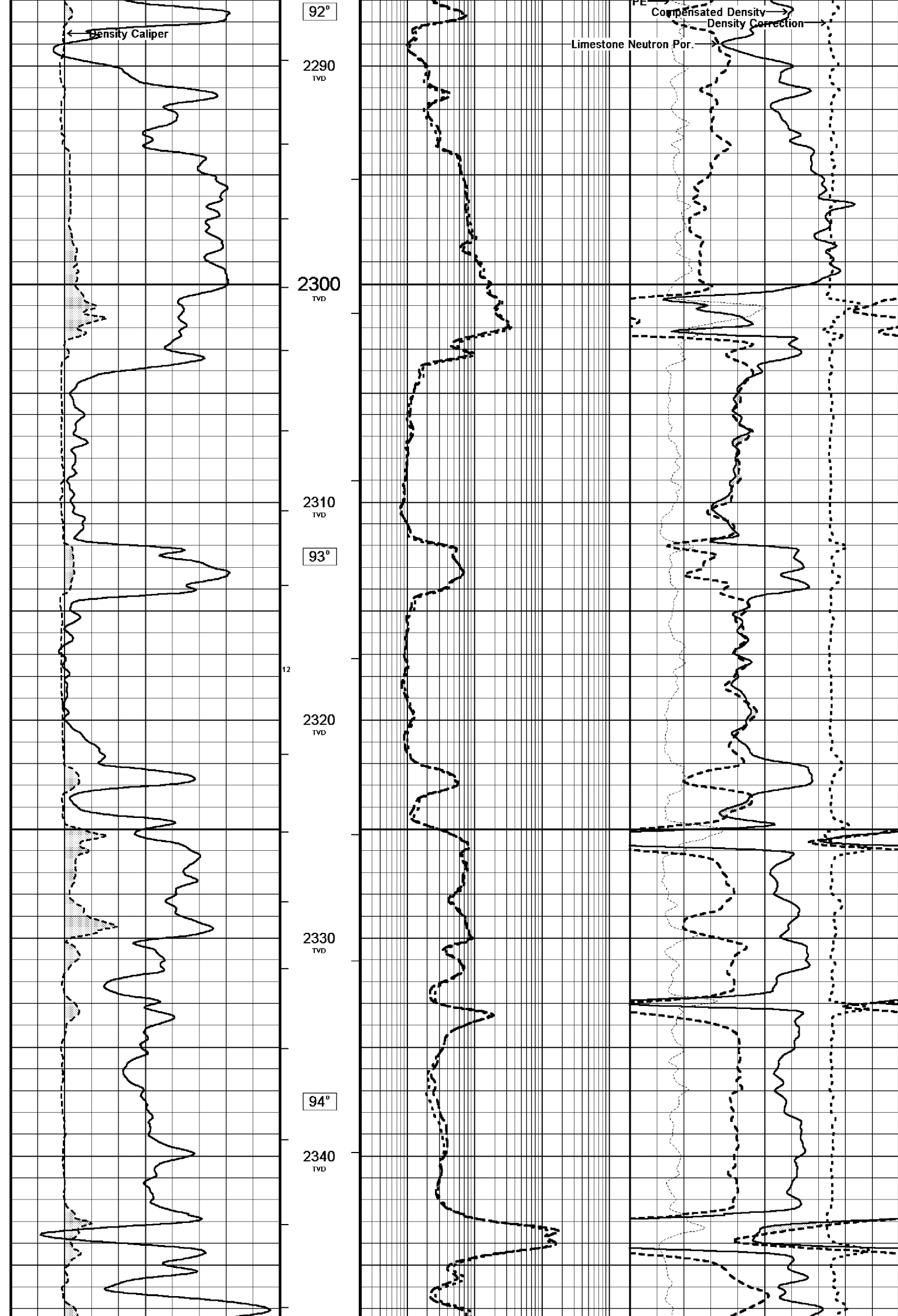
DUAL LATEROLOG - GR DENSITY - NEUTRON 1:200 TVD

COMPANY	ESSO AUSTRALIA PTY. LTD.		
WELL	FLOUNDER A-17a		
FIELD	GIPPSLAND BASIN		
PROVINCE/COUNTY	BASS STRAIT		
COUNTRY/STATE	AUSTRALIA		
LOCATION	5758711.37 m N, 625853.66 m E 38°18'39.158" S, 148°26'22.270" E		
LSD	SEC	TWP	RGE
API Number	Other Services		
Permit Number	COMPENSATED SONIC		
Permanent Datum MSL	, Elevation 0		metres
Log Measured From RT@33.85 metres	above Permanent Datum		
Drilling Measured From RT			
Date	17-Aug-2003		
Run Number	2		
Depth Driller	2878.00	metres	
Depth Logger	2865.40	metres	
First Reading	2859.80	metres	
Last Reading	2258.40	metres	
Casing Driller	2267.00	metres	
Casing Logger	2258.40	metres	
Bit Size	6.00	inches	
Hole Fluid Type	KCl/PPH/AGLY		
Density / Viscosity	9.20 lb/USg	70.00 sec/qt	
PH / Fluid Loss	9.30	3.10 ml/30Min	
Sample Source	FLOWLINE		
Rm @ Measured Temp	0.101 @ 25.0	ohm-m	
Rmf @ Measured Temp	0.083 @ 25.0	ohm-m	
Rmc @ Measured Temp	0.146 @ 25.0	ohm-m	
Source Rmf / Rmc	PRESS	PRESS	
Rm @ BHT	0.036 @ 111.0	ohm-m	
Time Since Circulation	30 HRS		
Max Recorded Temp	111.00	deg C	
Equipment Name	COMPACT		
Equipment / Base	1	SALE	
Recorded By	G. McManus, R. Tench		S. Mooney, B. Arnold
Witnessed By	E.Espiritu		
Circ. Stopped	23:15 15-AUG		

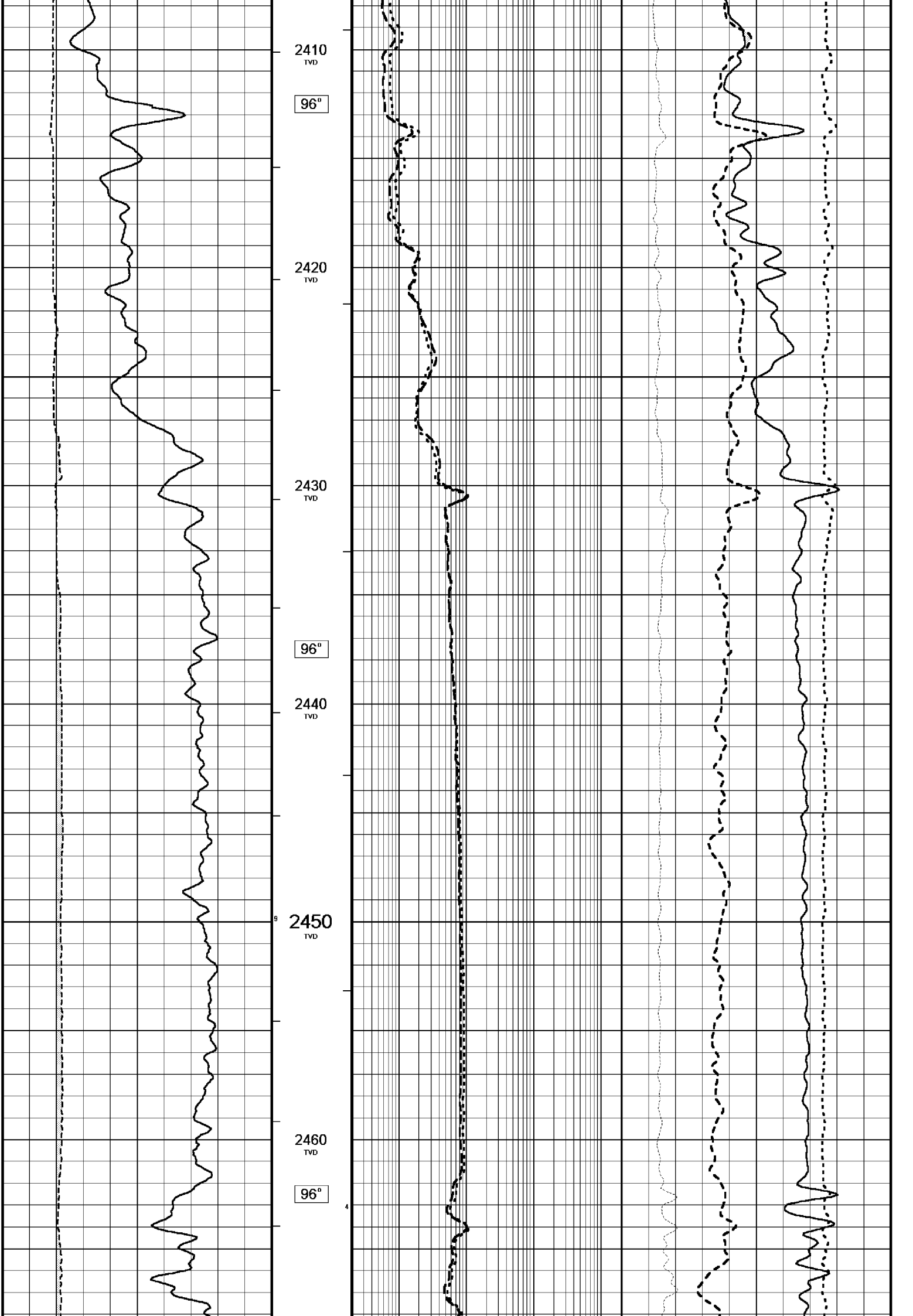
BOREHOLE RECORD				
Bit Size inches	Depth From metres		Depth To metres	
8.500	1500.00		2800.00	
6.000	2800.00		3660.00	
CASING RECORD				
Type	Size inches	Depth From metres	Shoe Depth metres	Weight pounds/ft
K55 BTC	10.750	0.00	1256.00	40.50
	7.625	1256.00	2896.00	27.00
REMARKS				
DRILLING RIG: NABORS (ISDL) 453.				
REEVES COMPACT TOOLS RAN WITH 3½" WELL SHUTTLE.				
MAX DEVIATION: 43.3° @ 3283 m.				
GRONINGEN LATEROLOG PRESENTED WITH ORIGINAL LOGGING CONSTANT.				
ENHANCED MODEL PROCESSING USED FOR INDUCTION DATA (NOT PRESENTED).				
REEVES CREW: R.TENCH, G.MCMANUS, S.MOONEY AND BILL ARNOLD				

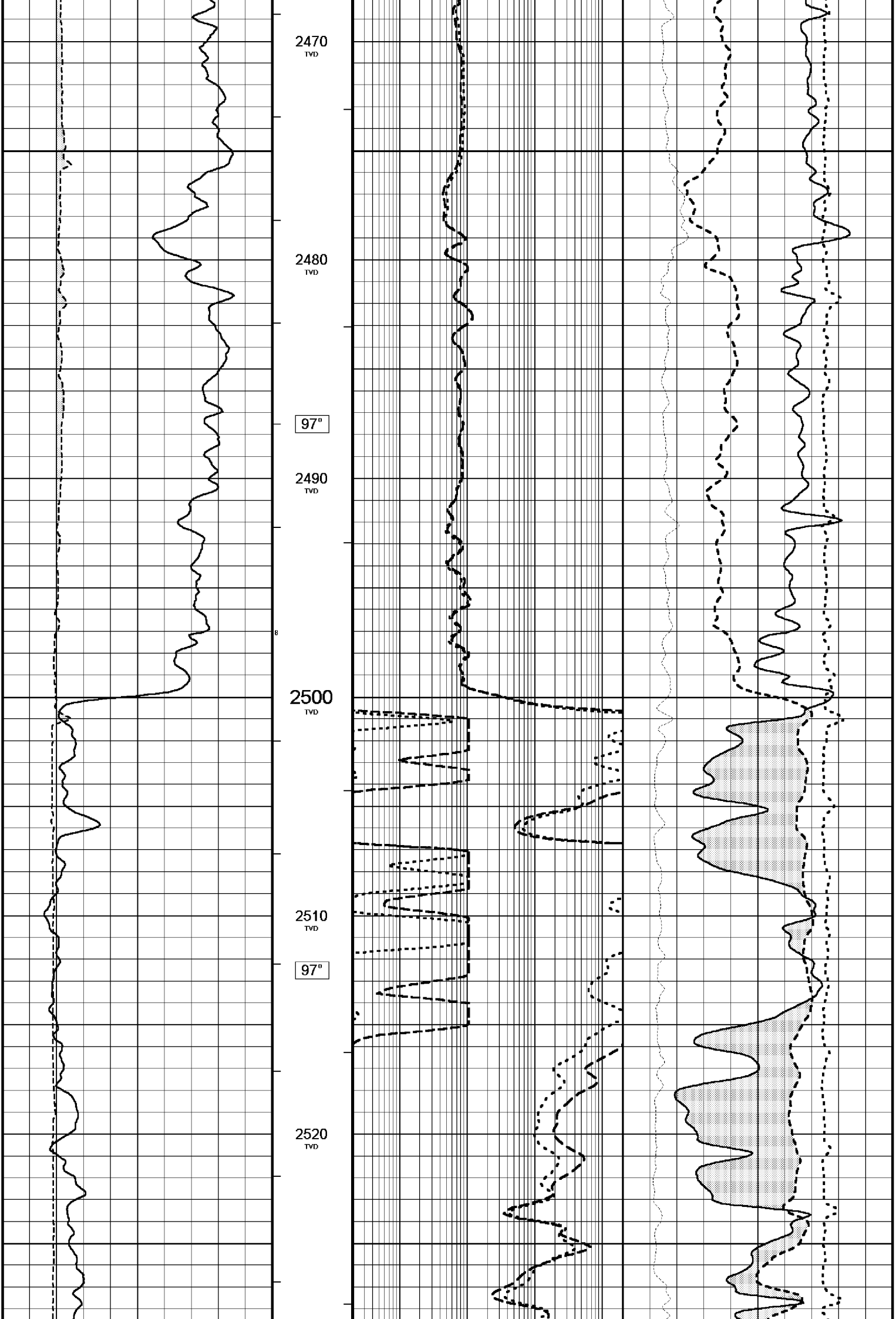
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs,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

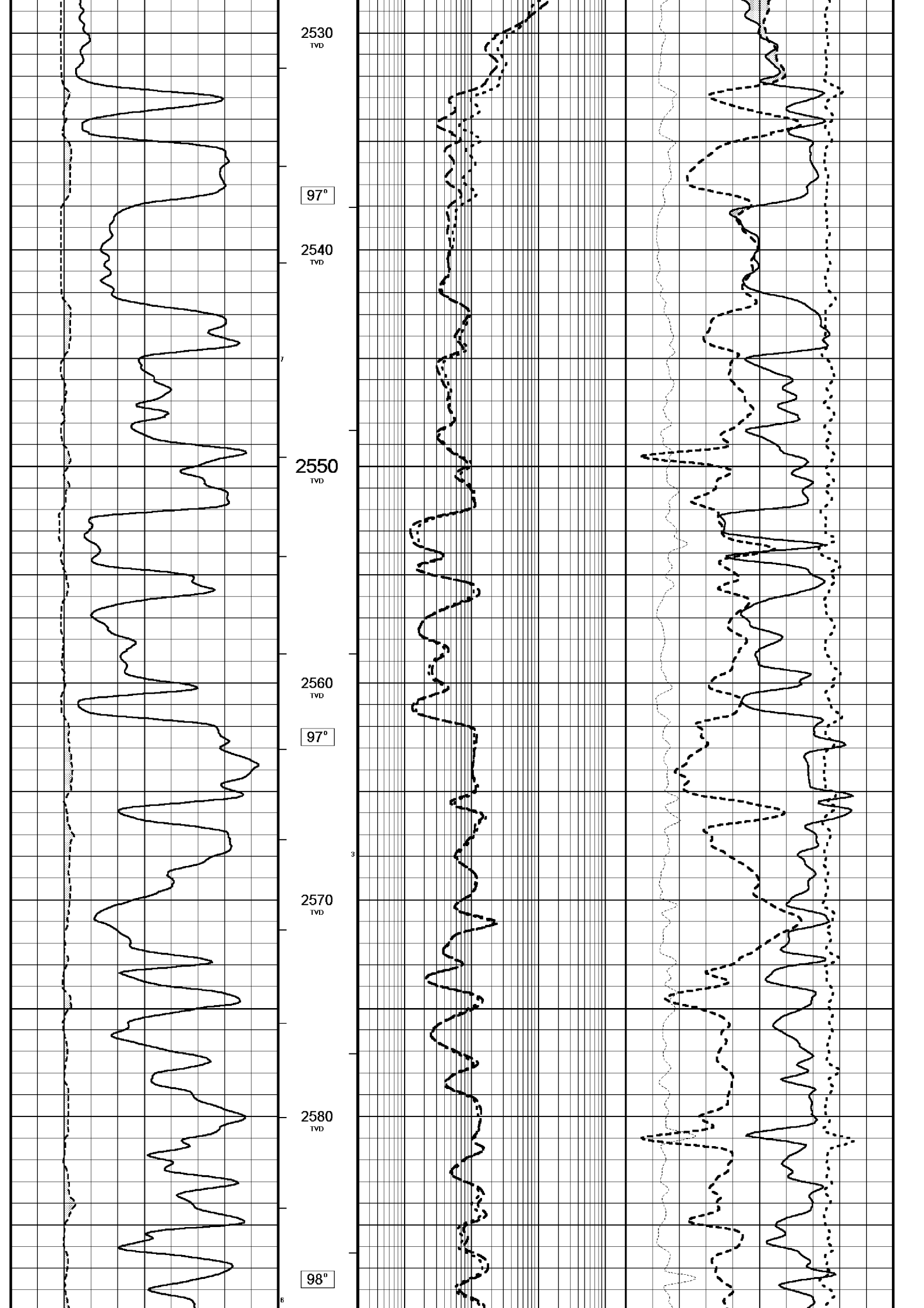


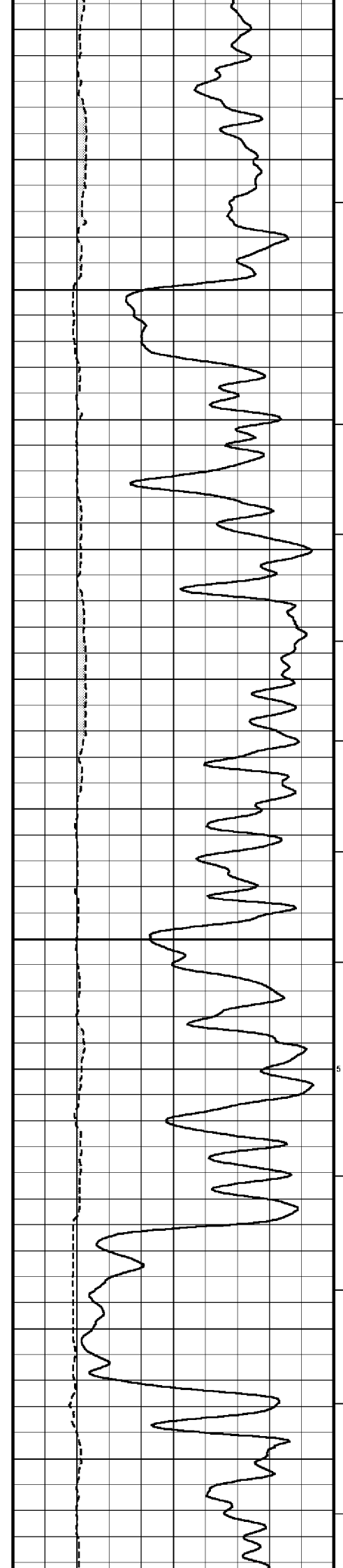












2590
TVD

2600
TVD

2610
TVD

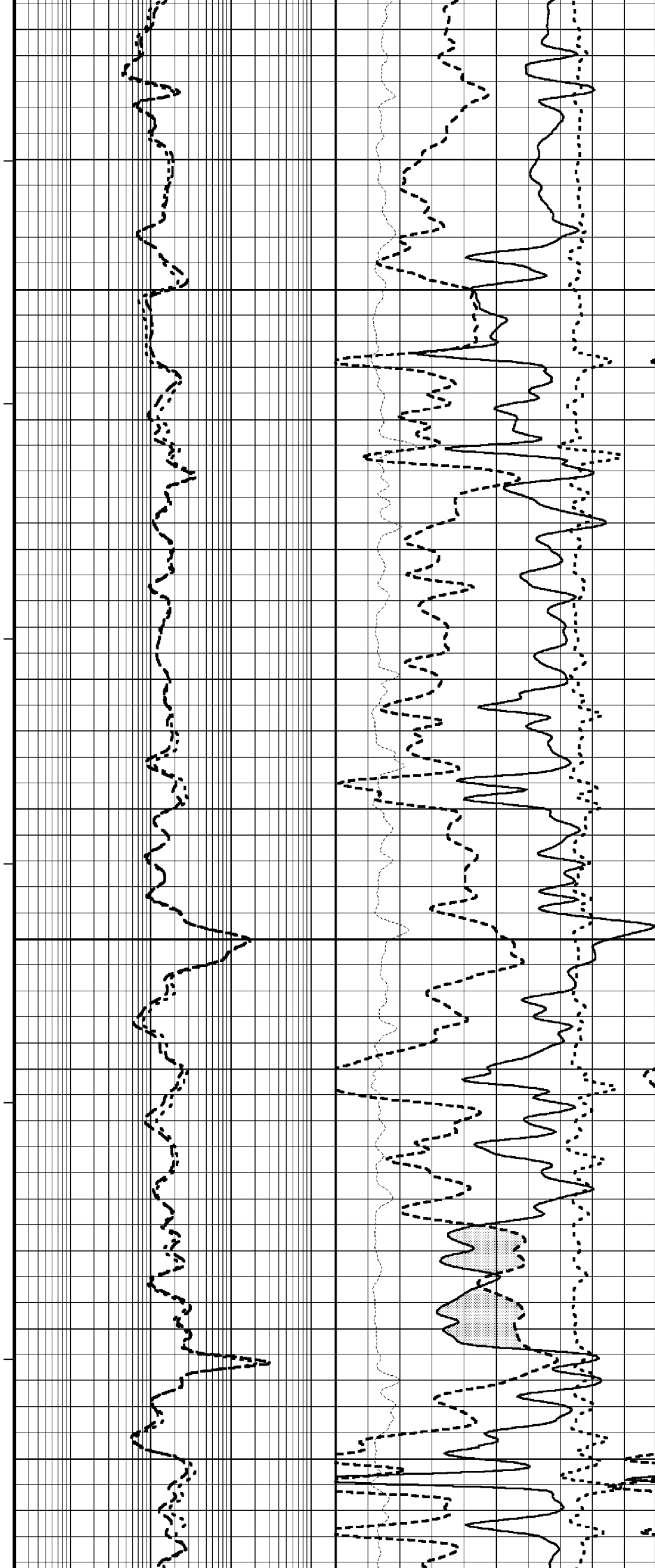
98°

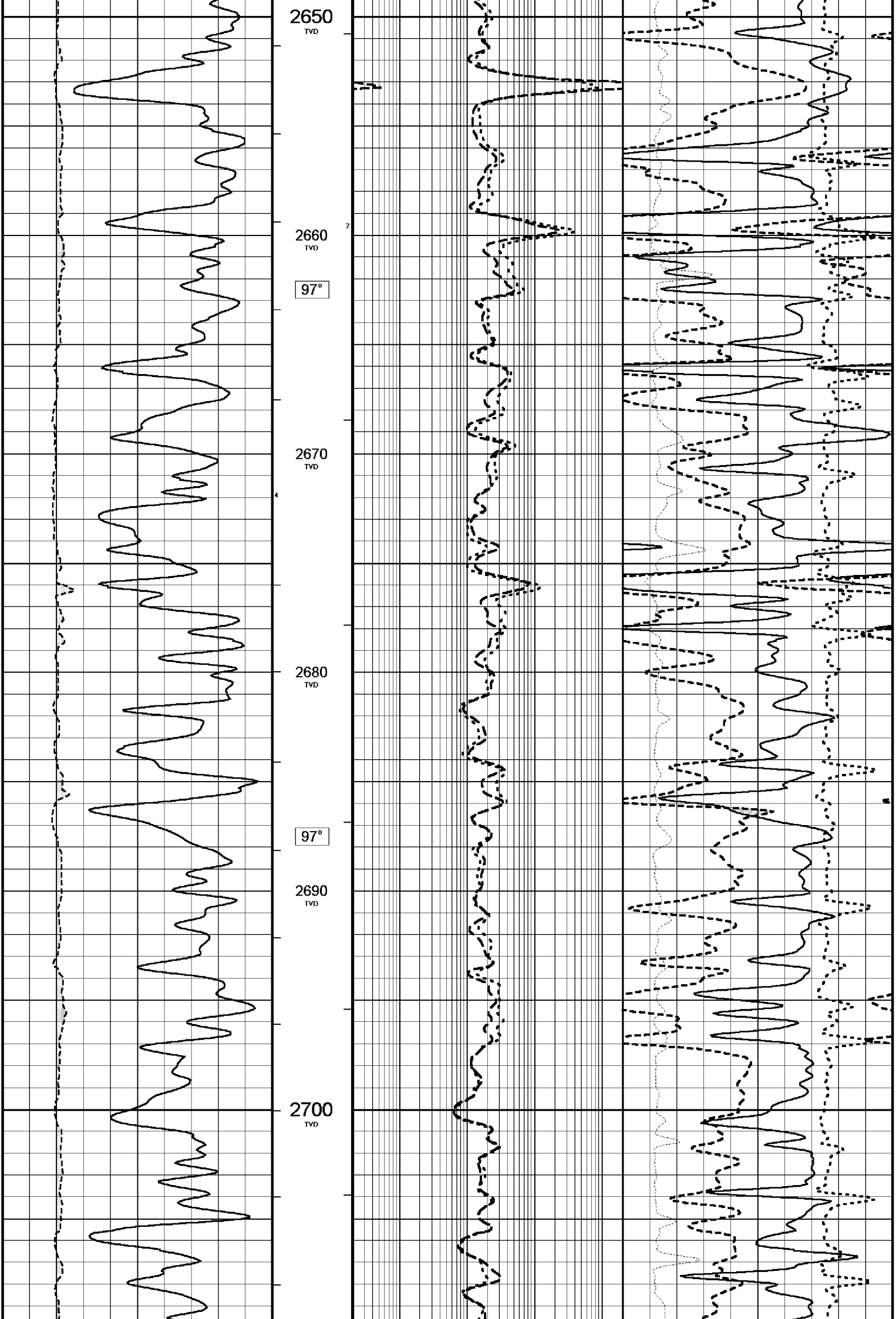
2620
TVD

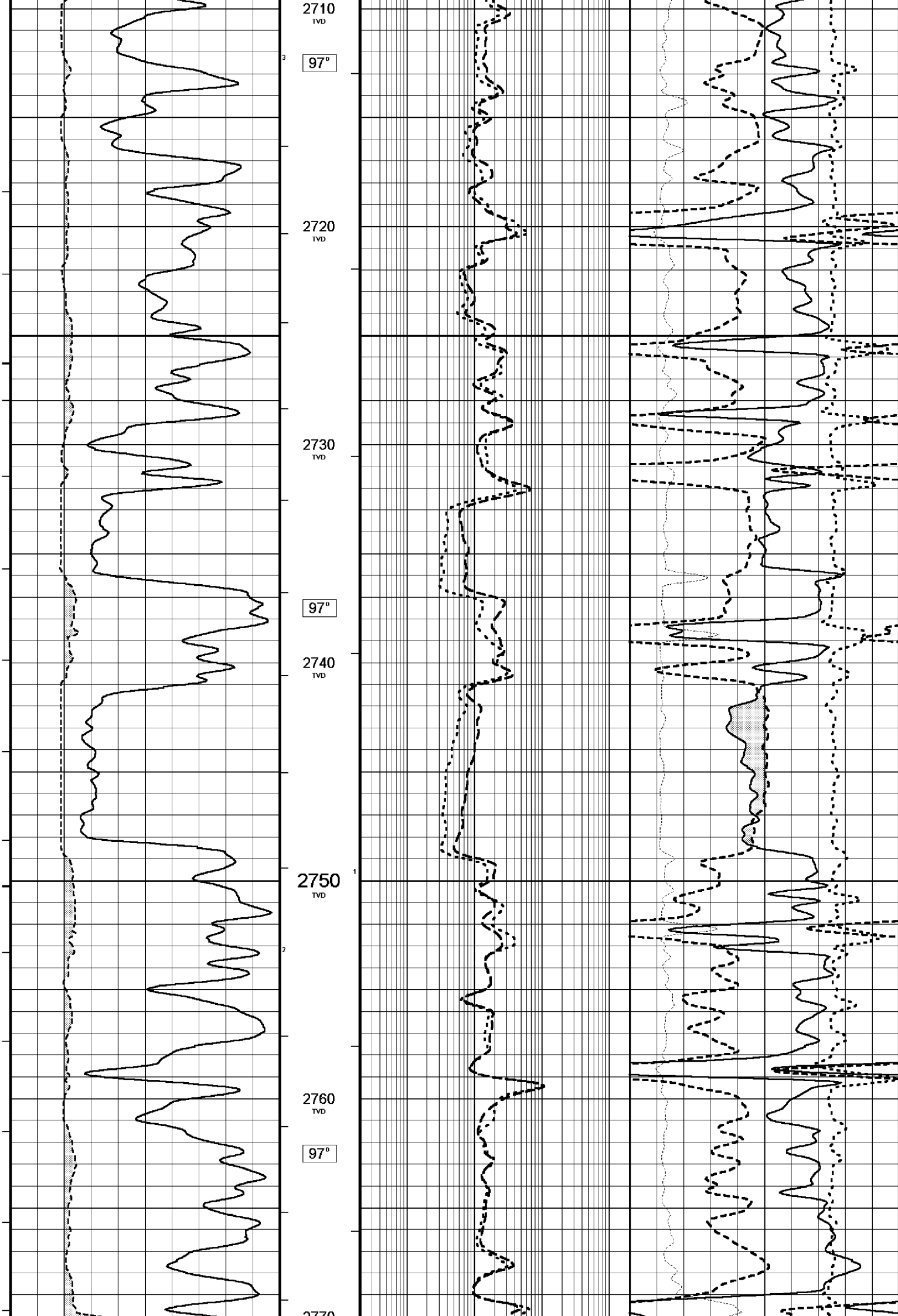
2630
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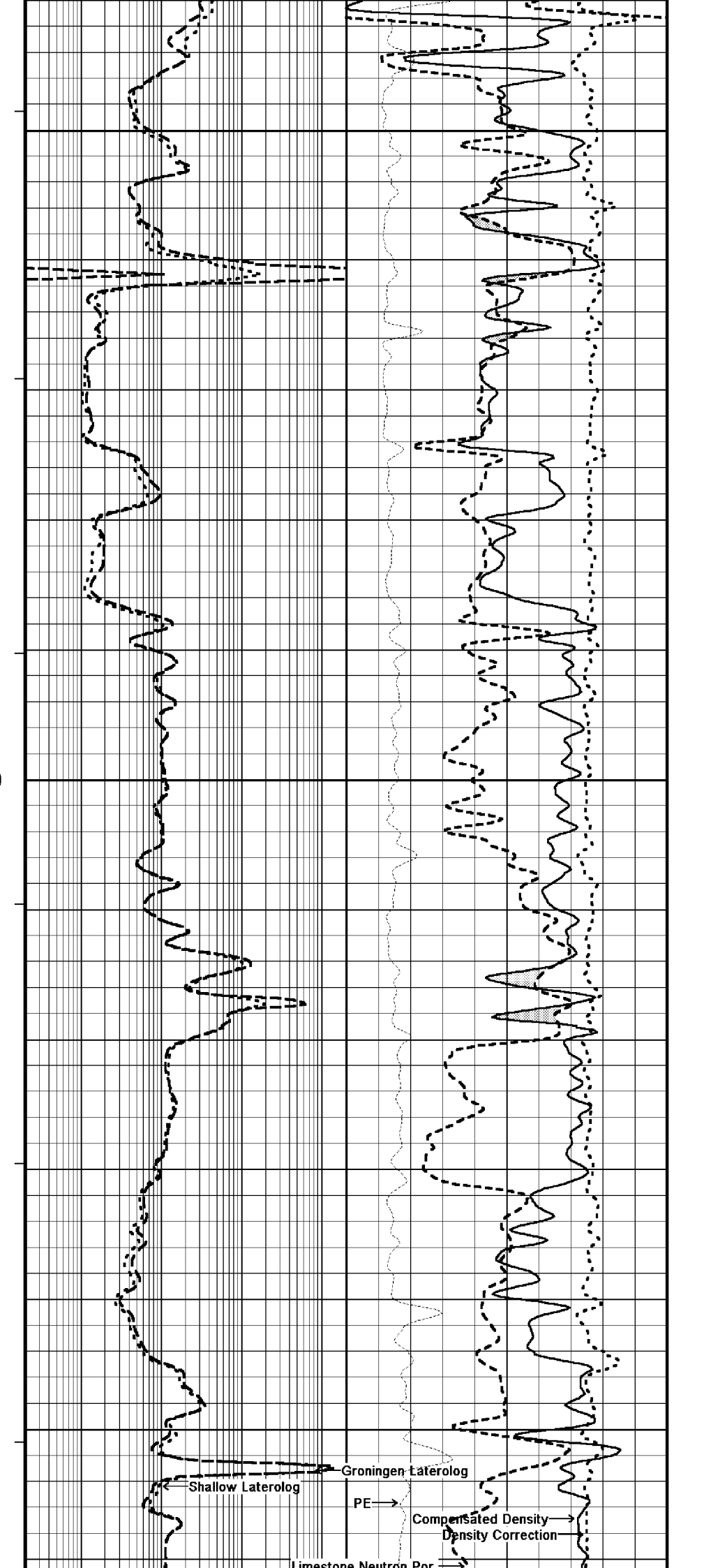
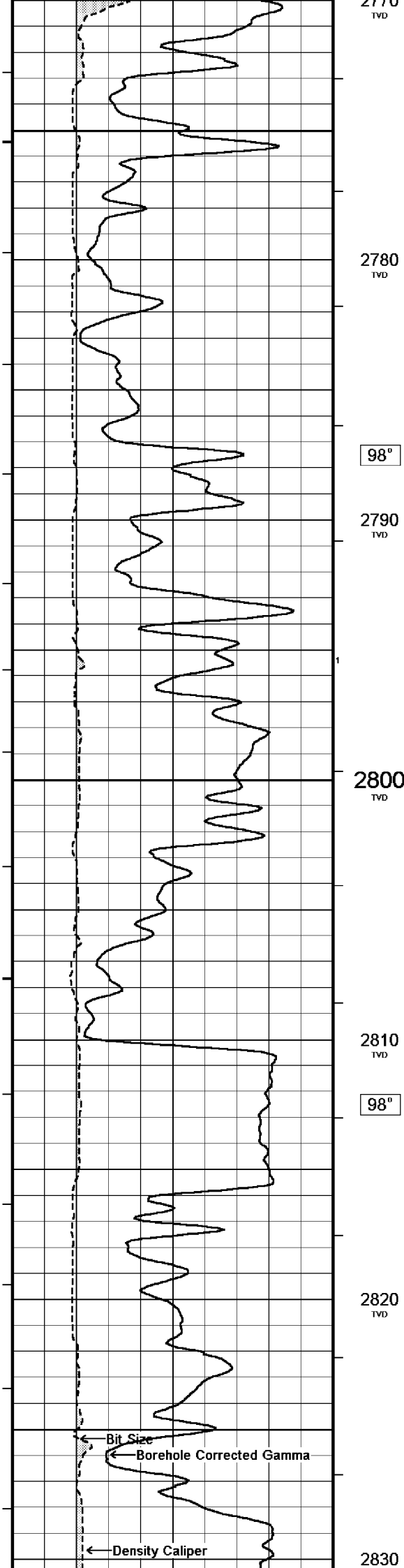
97°

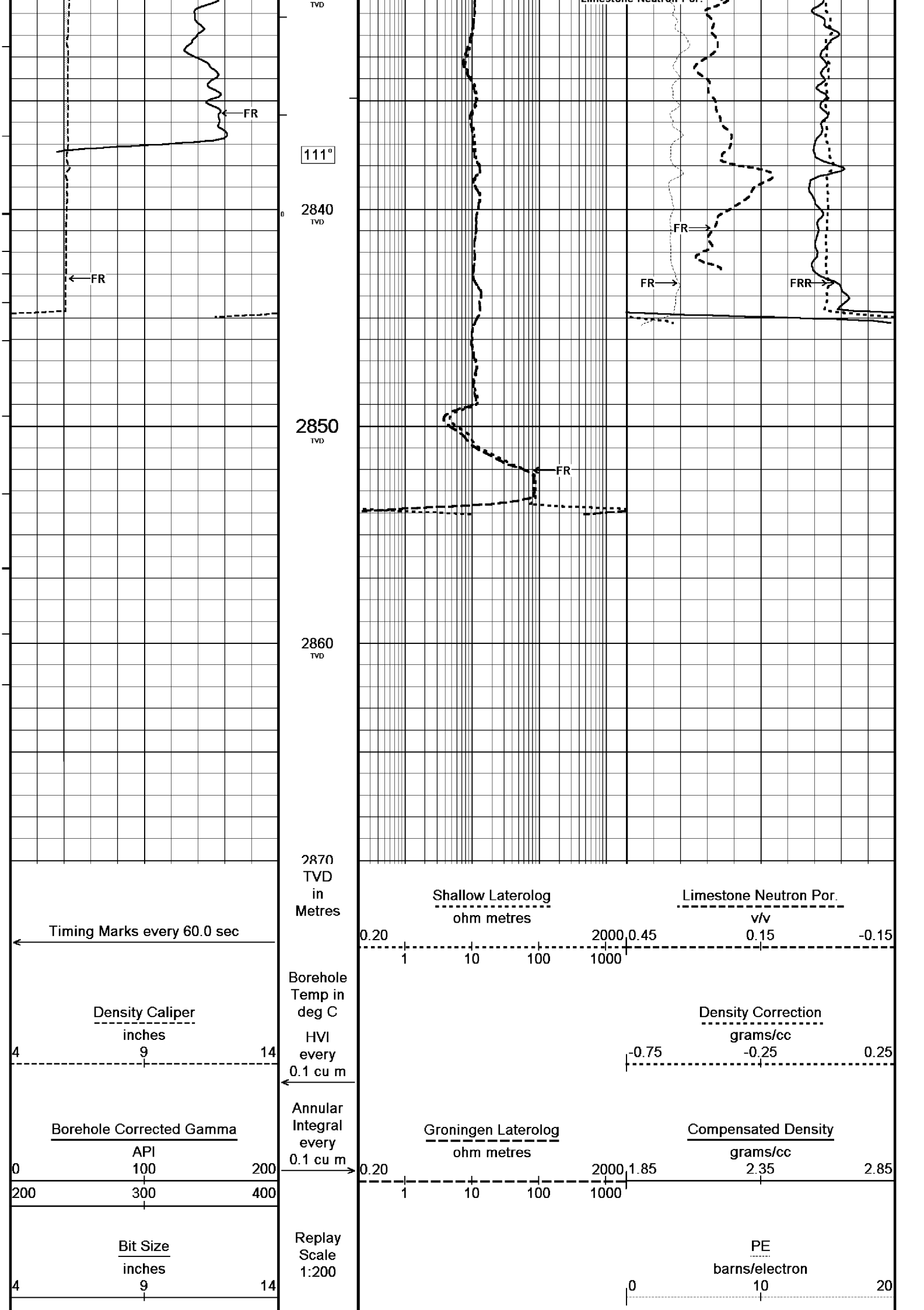
2640
TVD











BEFORE SURVEY CALIBRATION

C:\Fla_a17a\B & W Finals\Fla_A17a_Main_log_TC.dta

General Constants All 000		
General Parameters		
Mud Resistivity	0.10	ohm-metres
Mud Resistivity Temperature	25.00	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	4.50	inches
Caliper for Differential Caliper	Density Caliper	
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 043			Field Calibration on 9-AUG-2002,07:03
	Measured	Calibrated(Deg C)	
Lower	20.50	20.00	
Upper	51.00	50.00	

High Resolution Temperature Constants MCG 043	
Pre-filter Length	11

Gamma Calibration MCG 043			Field Calibration on 15-AUG-2003 19:05
	Measured	Calibrated (API)	
Background	16	11	
Calibrator (Gross)	1419	920	
Calibrator (Net)	1403	909	

Gamma Constants MCG 043		
Gamma Calibrator Number	60	
Mud Density	1.15	gm/cc
Caliper Source for Processing	Density Caliper	
Tool Position	Eccentred	
Concentration of KCl	0.00	kppm

Neutron Calibration MDN 042			Base Calibration on 2-AUG-2003 10:04
			Field Check on 15-AUG-2003 20:39
Base Calibration			
	Measured	Calibrated (cps)	
	Near Far	Near Far	
	3104 98	3714 110	
Ratio	31.769	33.764	
Field Calibrator at Base			
		Calibrated (cps)	
		1679 2371	
Ratio		0.708	
Field Check			
		Calibrated (cps)	
		1692 2398	
Ratio		0.706	

Neutron Constants MDN 042	
Neutron Source Id	NSN-E-739
Neutron Jig Number	NE-C-052
Epithermal Neutron	No
Caliper Source for Processing	Density Caliper

Stand-off	0.00	inches
Mud Density	1.15	gm/cc
Limestone Sigma	7.10	cu
Sandstone Sigma	4.26	cu
Dolomite Sigma	4.70	cu
Formation Pressure Source	None	
Formation Pressure	N/A	kpsi
Temperature Source	MCG External Temperature	
Temperature	20.00	degrees C
Mud Salinity	42.30	kppm
Formation Fluid Salinity Source	None	
Formation Fluid Salinity	N/A	kppm
Barite Mud Correction	Not Applied	

Caliper Calibration MPD 066

Base Calibration on 22-OCT-2003,14:18

Field Calibration on 22-OCT-2003,14:18

Base Calibration

Reading No	Measured	Calibrator Size (in)
1	12128	4.58
2	20304	6.56
3	28752	8.56
4	37248	10.52
5	46672	12.58
6	N/A	N/A

Field Calibration

Measured Caliper (in)	Actual Caliper (in)
6.00	6.00

Photo Density Calibration MPD 066

Base Calibration on 2-AUG-2003 14:56

Field Check on 15-AUG-2003 20:32

Density Calibration

Base Calibration	Measured		Calibrated (sdu)	
	Near	Far	Near	Far
Reference 1	53064	18614	53282	19349
Reference 2	24973	2526	25298	2555

Field Check at Base

980.9 1146.2

Field Check

969.2 1145.5

PE Calibration

Base Calibration	WS	Measured		Calibrated Ratio
		WH	Ratio	
Background	188	856		
Reference 1	16447	52883	0.313	0.318
Reference 2	6593	24840	0.267	0.273

Field Check at Base

187.7 855.8

Field Check

188.0 845.9

Density Constants MPD 066

Density Source Id	242	
Nylon Calibrator Number	517	
Aluminium/Fe Calibrator Number	517	
Density Shoe Profile	4 inch	
Caliper Source for Processing	Density Caliper	
PE Correction to Density	Not Applied	
Mud Density	1.15	gm/cc
Mud Density Z/A Correction	1.11	
Mud Filtrate Density	1.00	gm/cc
Dry Hole Mud Filtrate Density	1.00	gm/cc
DNCT	0.00	gm/cc
CRCT	0.00	gm/cc

Matrix Density (gm/cc) Depth (m)

2.71	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00

0.00	0.00
0.00	0.00
0.00	0.00

Laterolog Calibration MLE 005	Base Calibration on 6-MAY-2003 14:51
	Field Check on 15-AUG-2003,18:58

Base Calibration				
Channel	Resistor 1	Measured	Calibrated (ohm-m)	
		Resistor 2	Resistor 1	Resistor 2
Shallow	0.0	981.5	0.0	1327.3
Deep	0.0	980.6	0.0	852.7
Groningen	0.0	981.8	0.0	852.7
Channel	Base Check (ohm-m)		Field Check (ohm-m)	
Shallow		48.6		48.6
Deep		31.3		31.3
Groningen		249.9		249.9

Laterolog Constants MLE 005

Squasher Start	40000	ohm-m
Shallow Laterolog K Factor	1.3273	
Deep Laterolog K Factor	0.8527	
Groningen Laterolog K Factor	0.8527	
Interference Rejection	50 Hz	
SP Connection	SP Bridle Electrode	
Groningen Connection	Groningen Electrode	

DOWNHOLE EQUIPMENT
All measurements relative to tool zero.

Compact Battery Sub.
MBS 99 Length: 4.34 m Weight: 44.09 lb

Compact Knuckle Joint
SKJ 110 Length: 0.66 m Weight: 24.25 lb

Compact Inline Standoff B
MIS 135 Length: 0.65 m Weight: 15.43 lb

Compact Stiff Bridle Electrode Sub.
MBE 18 Length: 3.76 m Weight: 94.80 lb



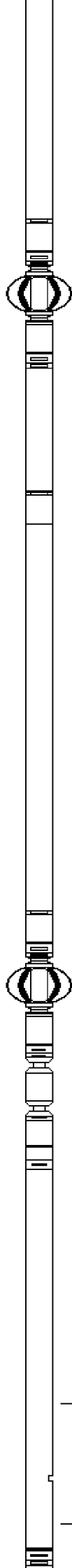
Compact Inline Standoff B
MIS 136 Length: 0.65 m Weight: 15.43 lb

Compact Stiff Bridle Electrode Sub.
MBE 17 Length: 3.76 m Weight: 94.80 lb

Compact Inline Standoff B
MIS 132 Length: 0.65 m Weight: 15.43 lb

Compact Knuckle Joint
SKJ 102 Length: 0.66 m Weight: 24.25 lb

Compact Gamma
MCG 43 Length: 2.65 m Weight: 63.93 lb



32.22 m GRGC - Gamma Ray

31.33 m CGXT - MCG External Temperature

Compact Memory Sub.
MMS 24 Length: 0.95 m Weight: 22.05 lb

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

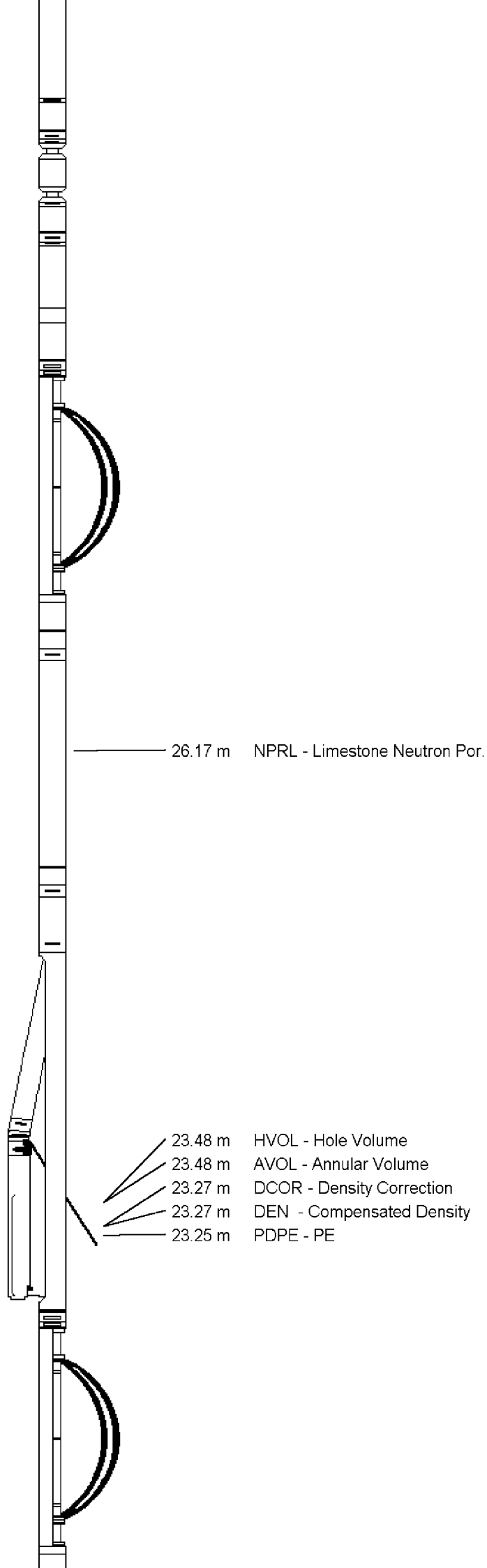
Compact Swivel Head Adaptor
SHA 27 Length: 0.83 m Weight: 26.46 lb

Compact Inline Bowspring A
MIS 24 Length: 1.74 m Weight: 33.07 lb

Compact Neutron
MDN 42 Length: 1.53 m Weight: 50.71 lb

Compact Density/Caliper
MPD 66 Length: 2.92 m Weight: 90.39 lb

Compact Inline Bowspring A
MIS 25 Length: 1.74 m Weight: 33.07 lb



Compact Swivel Head Adaptor
SHA 28 Length: 0.83 m Weight: 26.46 lb

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

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

Compact Upper Guard Sub.
MUG 16 Length: 2.74 m Weight: 68.34 lb

Compact Inline Standoff B
MIS 73 Length: 0.65 m Weight: 15.43 lb

Compact Laterolog Electrode Sub.
MLE 5 Length: 3.76 m Weight: 92.59 lb

Compact Inline Standoff B
MIS 30 Length: 0.65 m Weight: 15.43 lb



13.35 m DSLL - Shallow Laterolog
13.35 m DDLL - Deep Laterolog

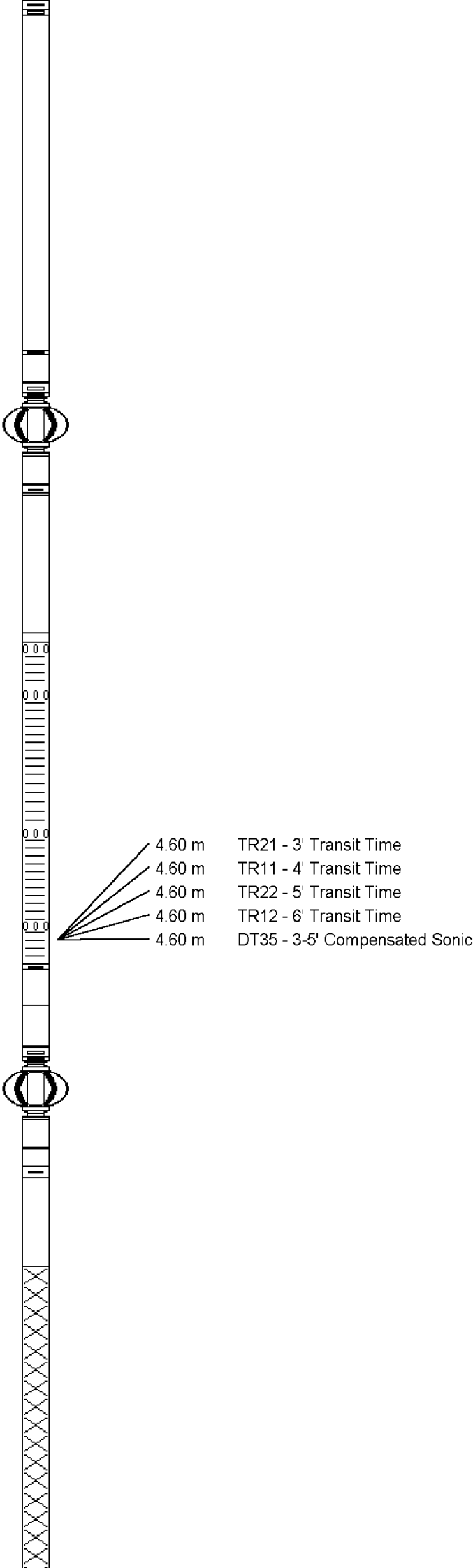
Compact Lower Guard Sub.
MLG 9 Length: 2.44 m Weight: 55.12 lb

Compact Inline Standoff B
MIS 130 Length: 0.65 m Weight: 15.43 lb

Compact Sonic
MSS 47 Length: 3.82 m Weight: 72.75 lb

Compact Inline Standoff B
MIS 128 Length: 0.65 m Weight: 15.43 lb

Compact Induction
MAI 39 Length: 3.29 m Weight: 48.50 lb



Pressure Bung + Hole Finder
HFS 3 Length: 0.28 m

Weight: 6.61 lb

Total Length: 49.23 m



Tool Zero

(0.32m from bottom)

Total Weight: 1144.20 lb

COMPANY	ESSO AUSTRALIA PTY. LTD.
WELL	FLOUNDER A-17a
FIELD	GIPPSLAND BASIN
PROVINCE/COUNTY	BASS STRAIT
COUNTRY/STATE	AUSTRALIA

Elevation Kelly Bushing		metres	First Reading	2859.80	metres
Elevation Drill Floor	33.85	metres	Depth Driller	2878.00	metres
Elevation Ground Level	-93.00	metres	Depth Logger	2865.40	metres

DUAL LATEROLOG - GR
DENSITY - NEUTRON
1:200 TVD

