

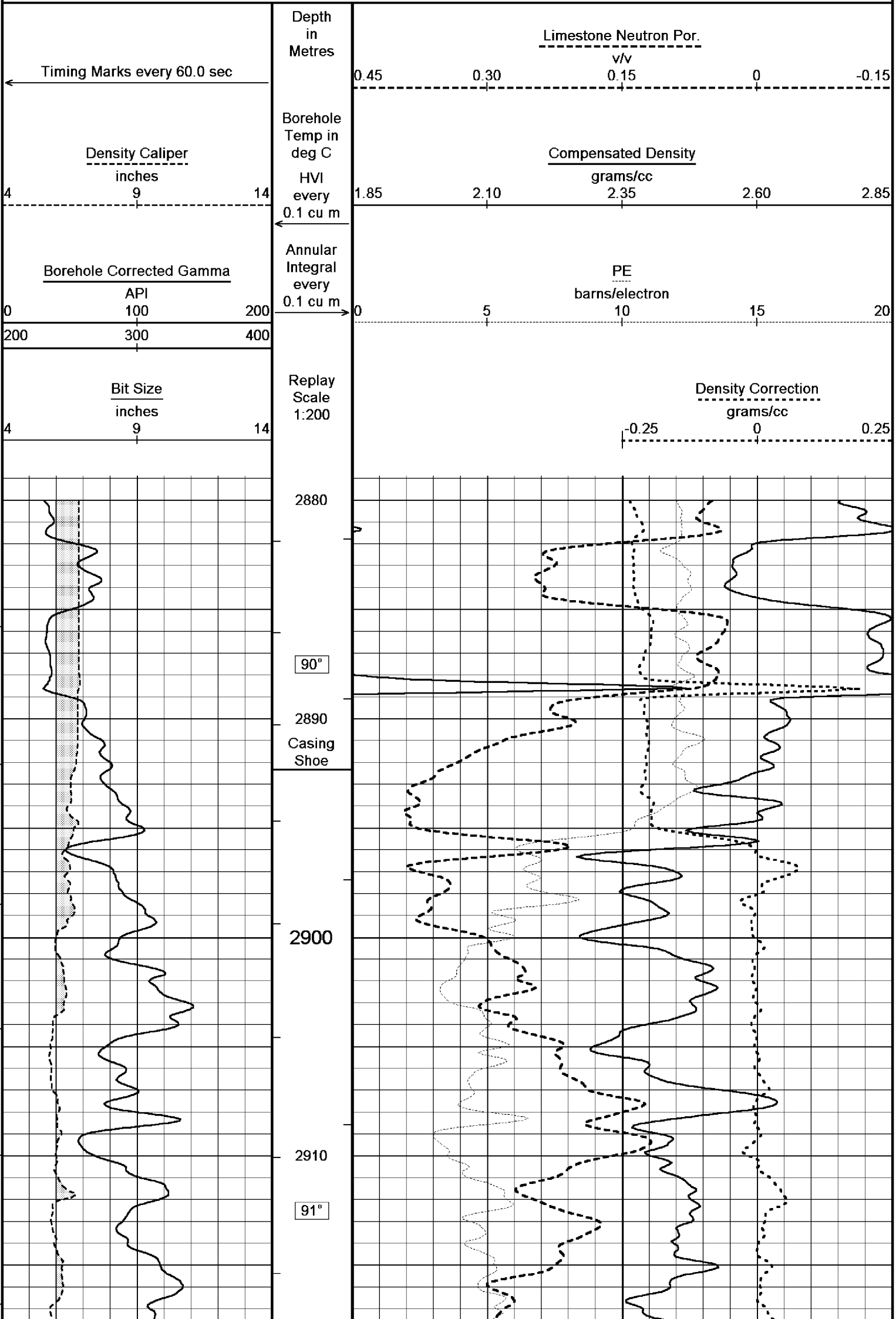
Reeves

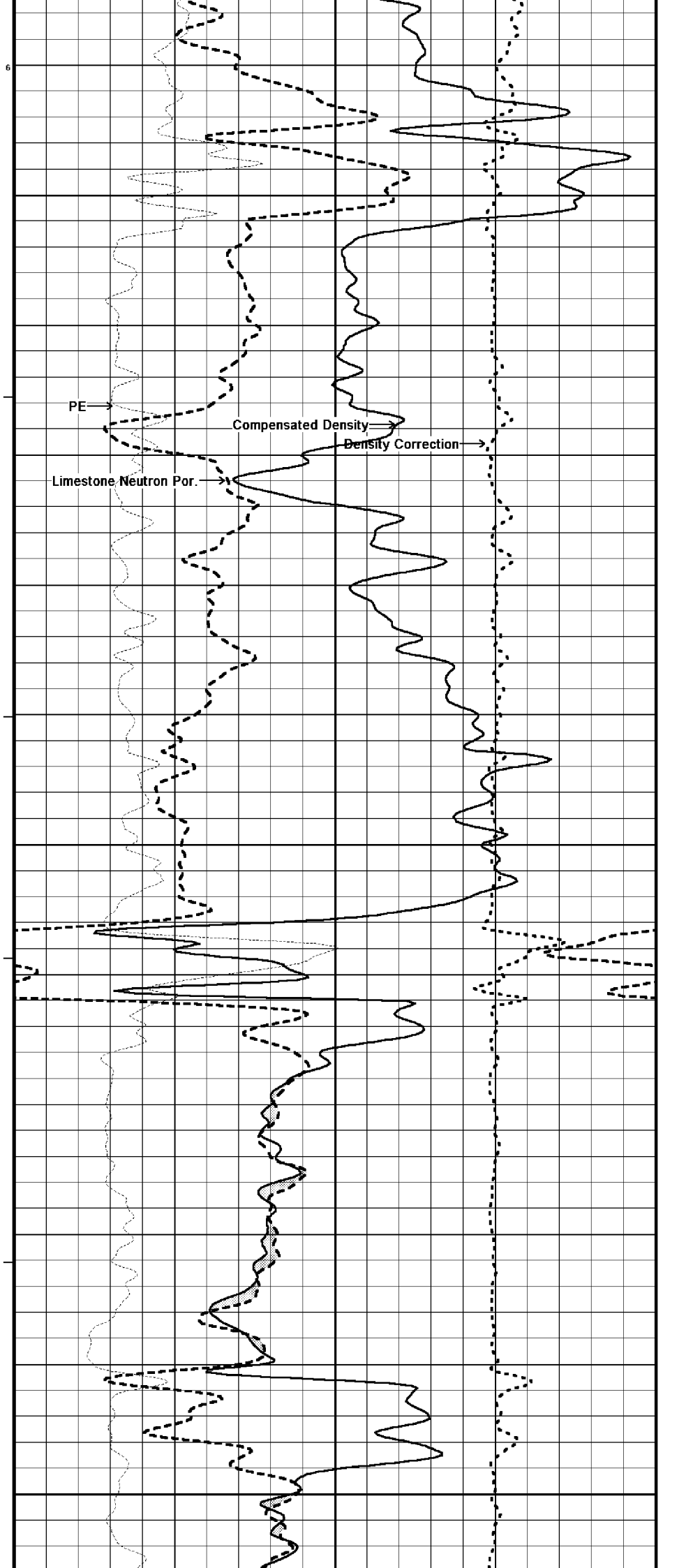
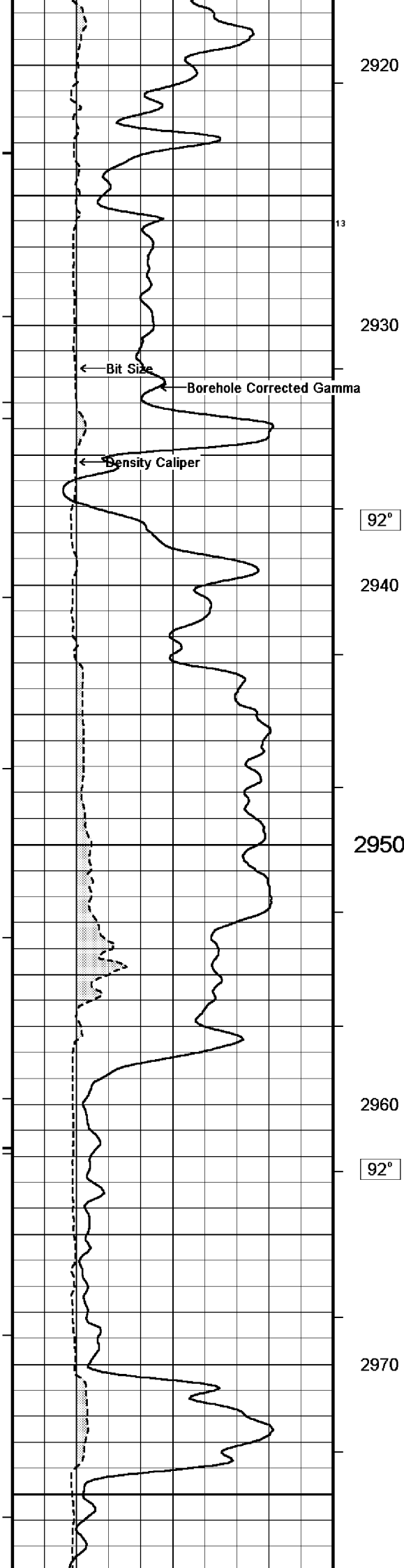
PHOTO DENSITY COMPENSATED NEUTRON 1:200 MD

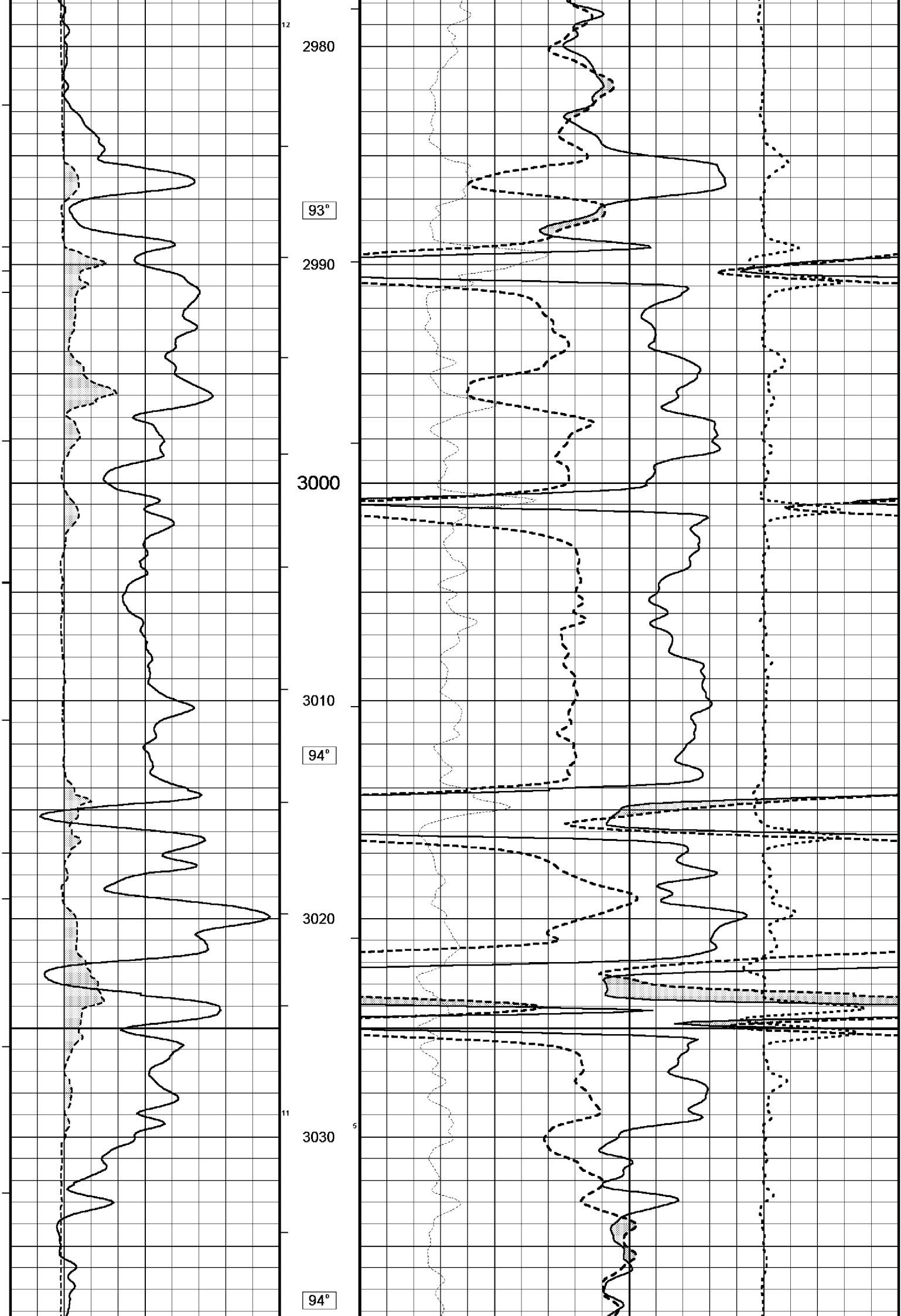
COMPANY	ESSO AUSTRALIA PTY. LTD.		
WELL	FLOUNDER A-17a		
FIELD	GIPPSLAND BASIN		
PROVINCE/COUNTY	BASS STRAIT		
COUNTRY/STATE	AUSTRALIA		
LOCATION	5758711.37 m N, 625853.66 m E 38°18'39.158" S, 148°26'22.270" E		
LSD	SEC	TWP	RGE
API Number	Other Services DUAL LATEROLOG		
Permit Number	COMPENSATED SONIC		
Permanent Datum MSL	, Elevation 0 metres		Elevations: KB metres DF 33.85 metres GL -93.00 metres
Log Measured From RT@33.85 metres above Permanent Datum			
Drilling Measured From RT			
Date	17-Aug-2003		
Run Number	2		
Depth Driller	3660.00 metres		
Depth Logger	3646.00 metres		
First Reading	3639.70 metres		
Last Reading	2892.30 metres		
Casing Driller	2904.00 metres		
Casing Logger	2892.30 metres		
Bit Size	6.00 inches		
Hole Fluid Type	KC/PPH/PA/GLY		
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		

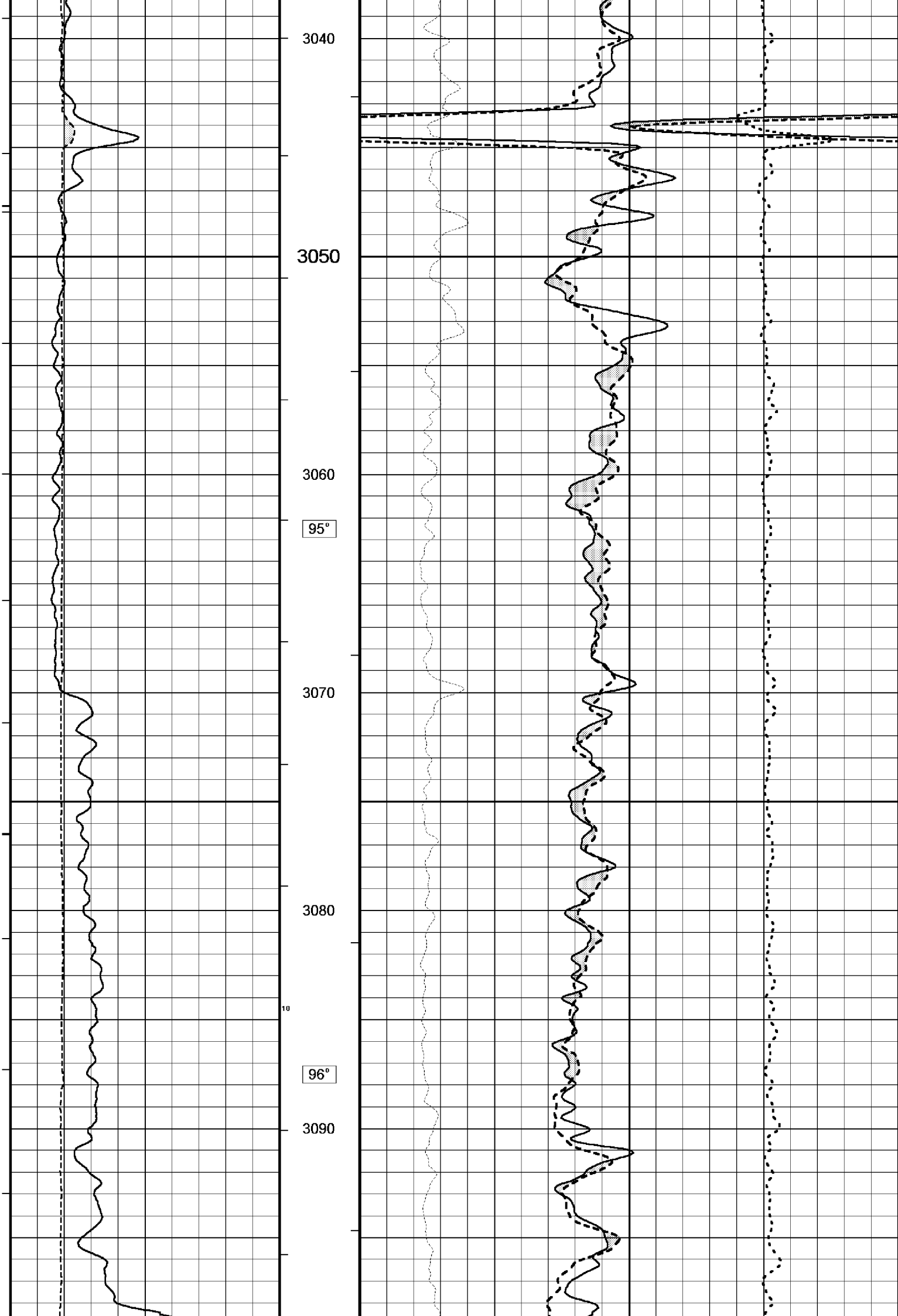
BOREHOLE RECORD				
Bit Size inches	Depth From metres		Depth To metres	
8.500	1500.00		2800.00	
6.000	2800.00		3660.00	
CASING RECORD				
Type	Size inches	Depth From metres	Shoe Depth metres	Weight pounds/ft
K55 BTC	10.750	0.00	1256.00	40.50
	7.625	1256.00	2896.00	27.00
REMARKS				
DRILLING RIG: NABORS (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				

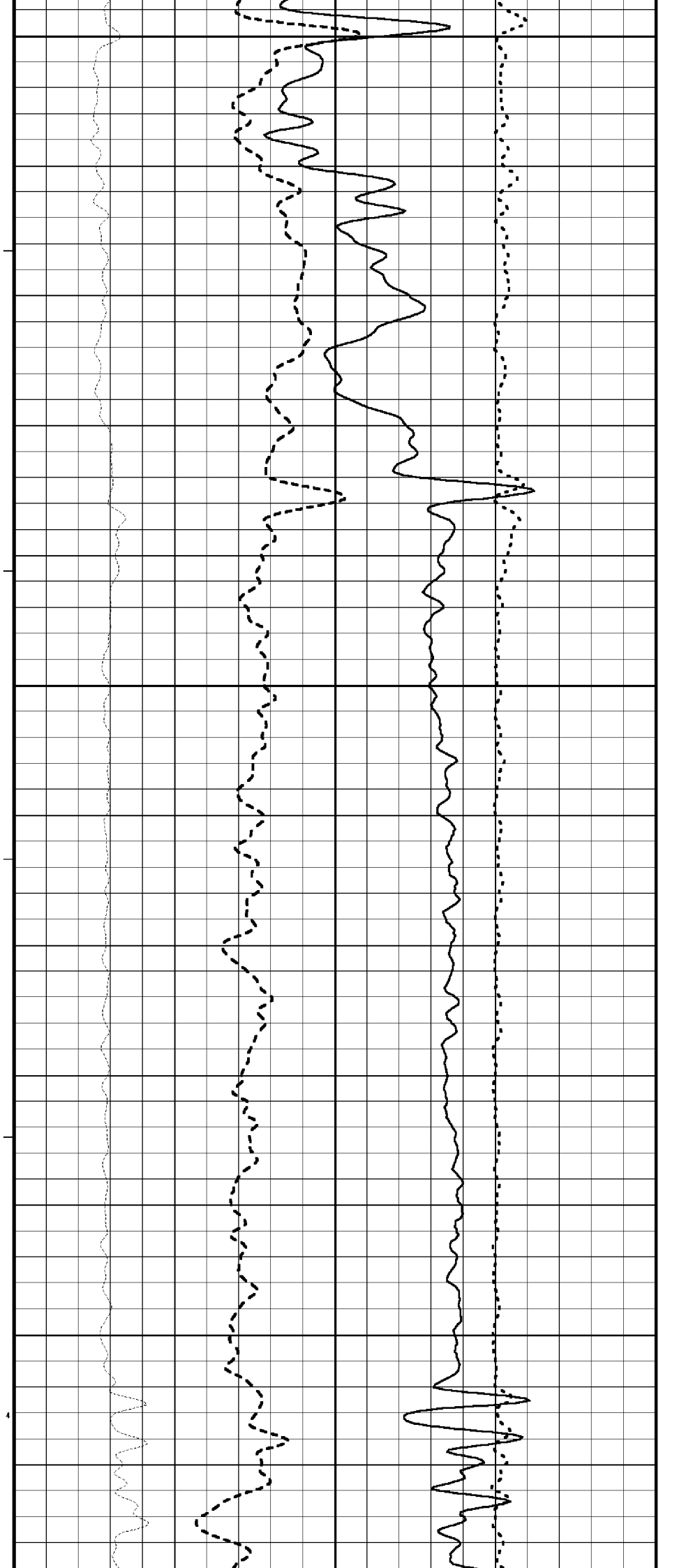
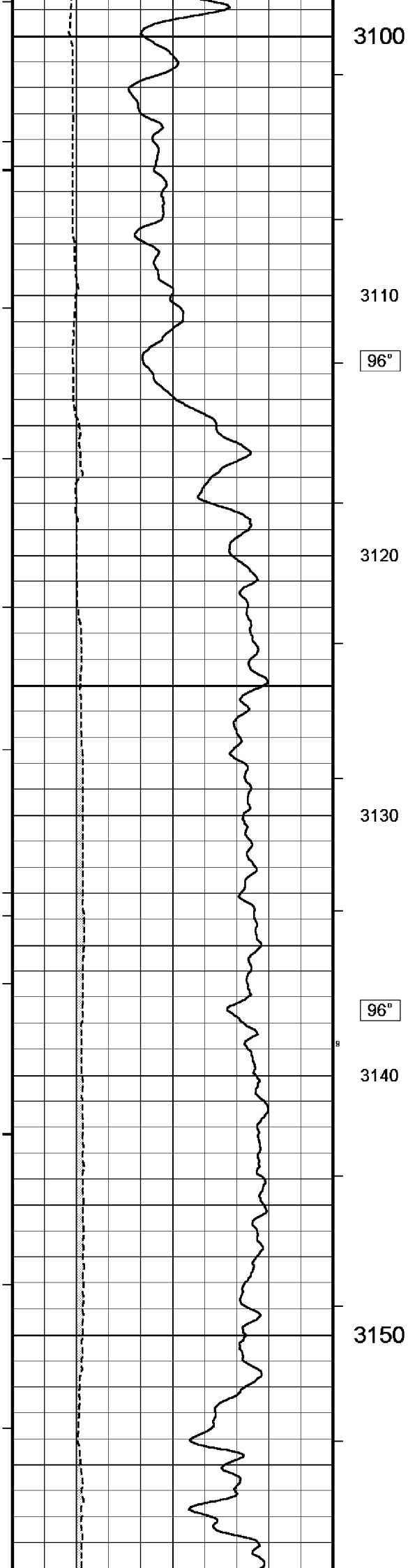
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs,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

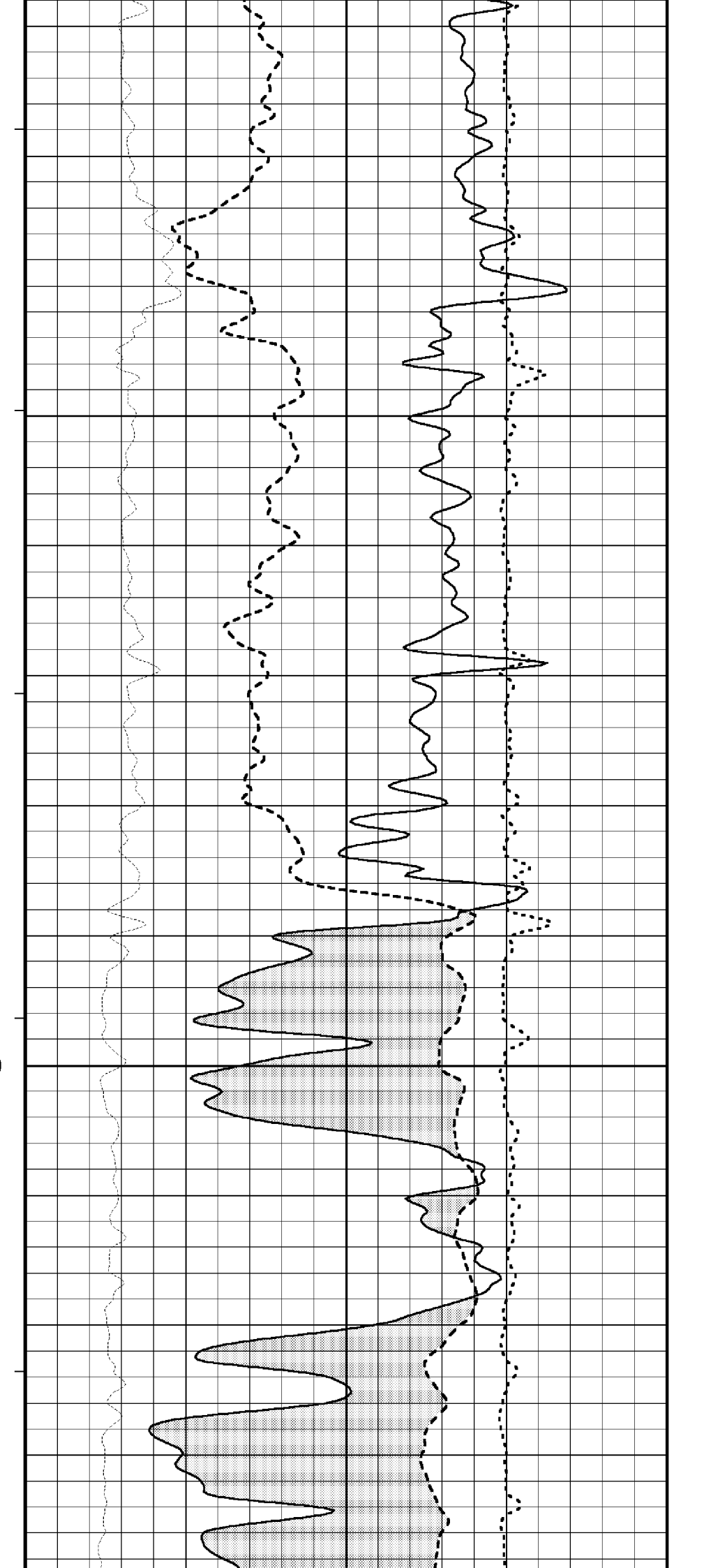
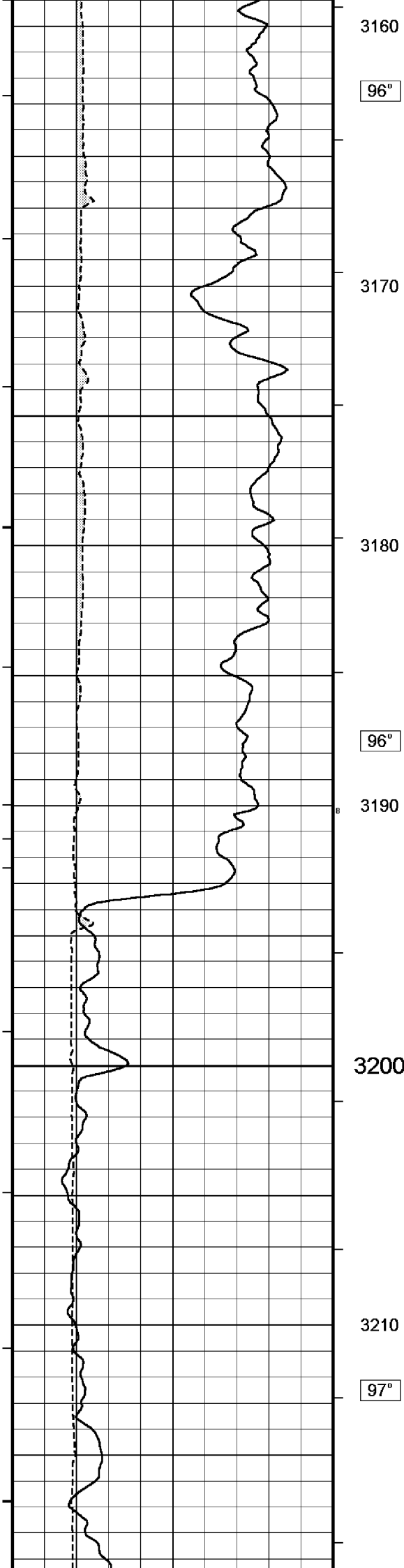


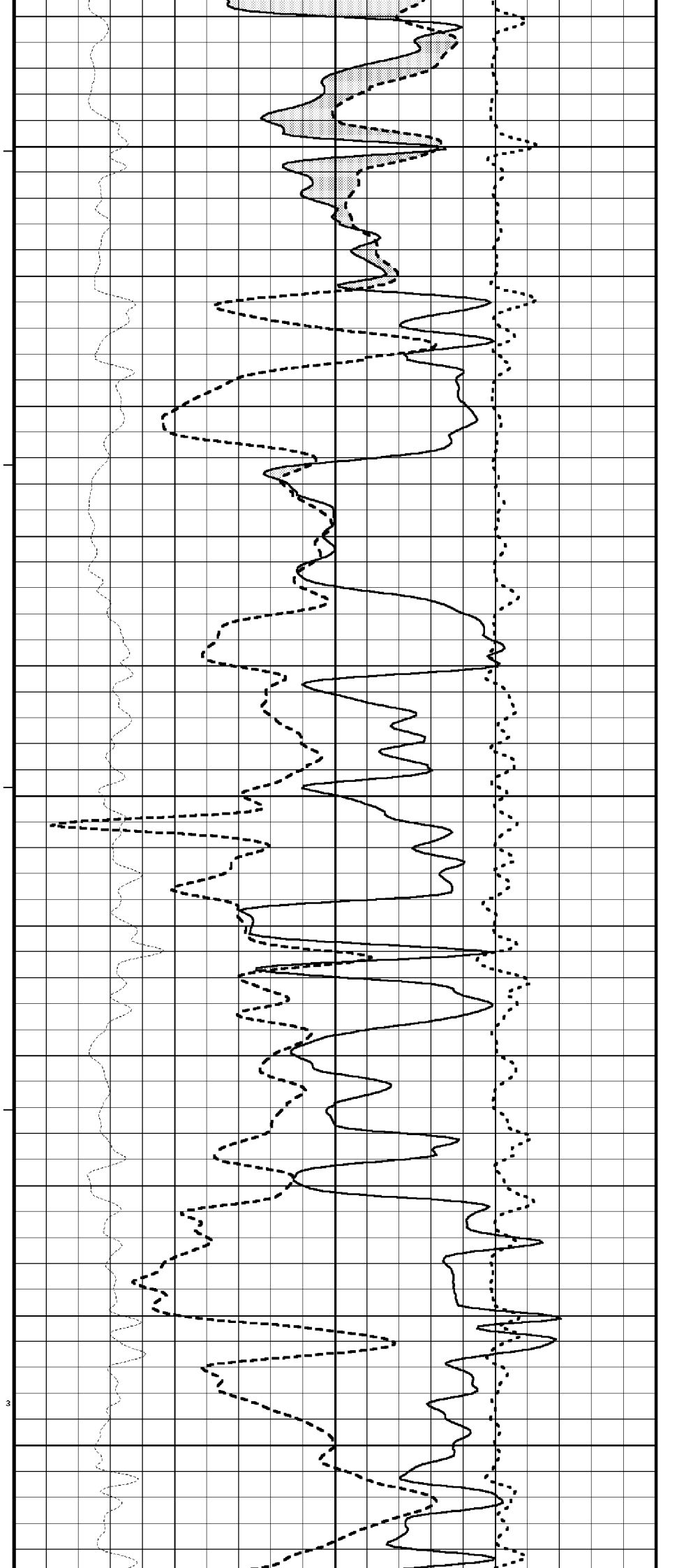
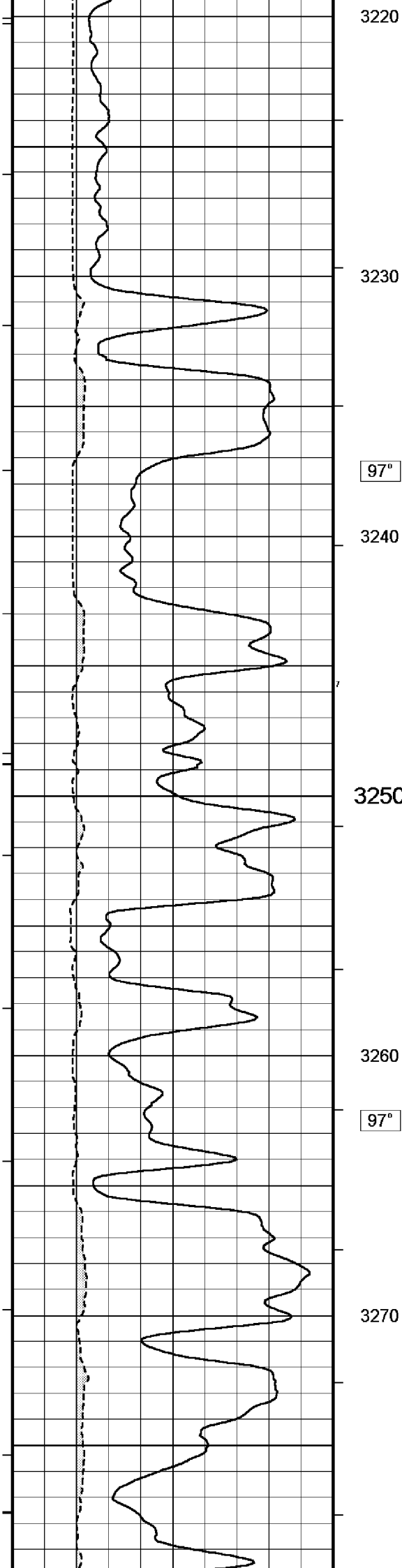


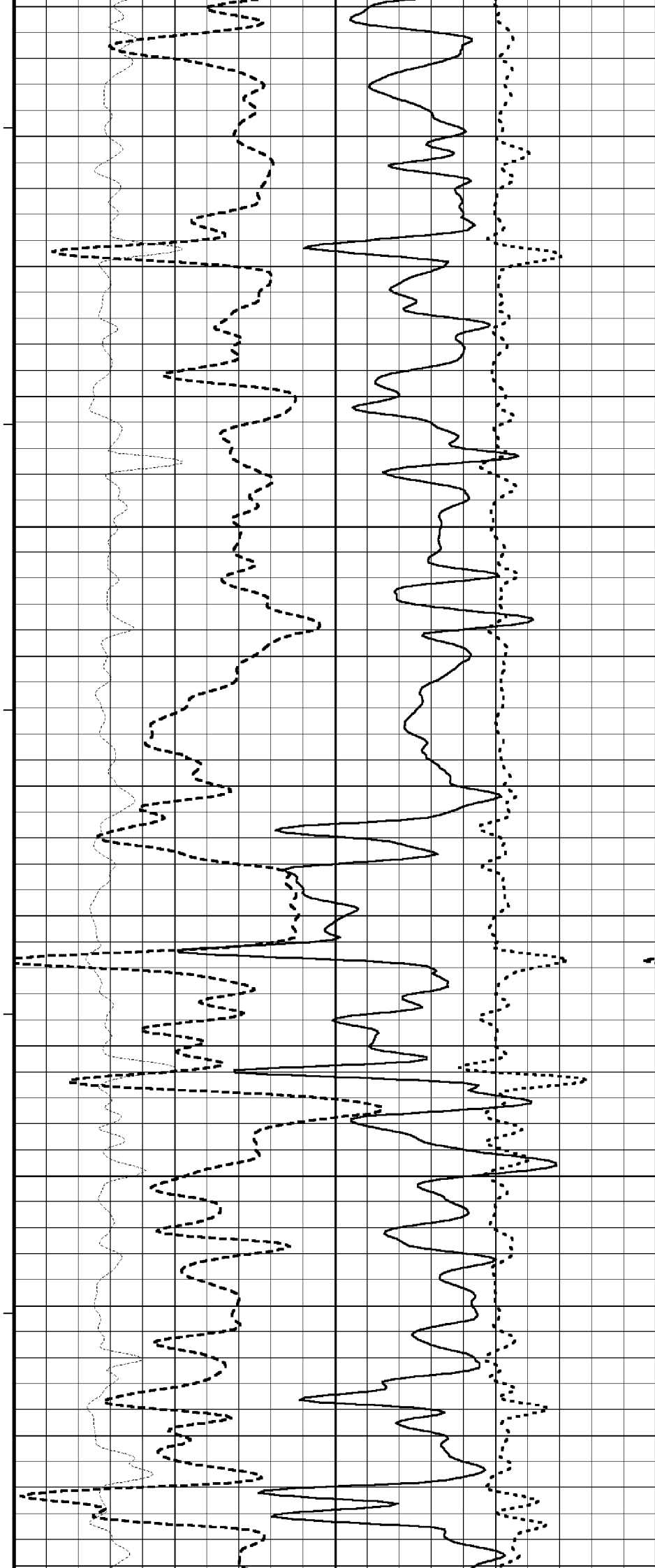
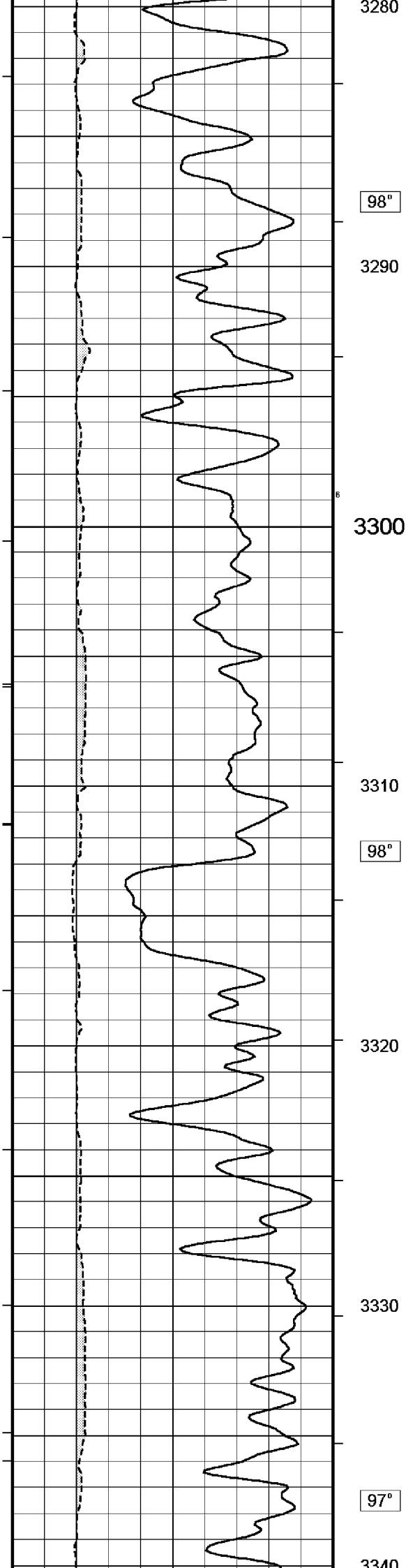


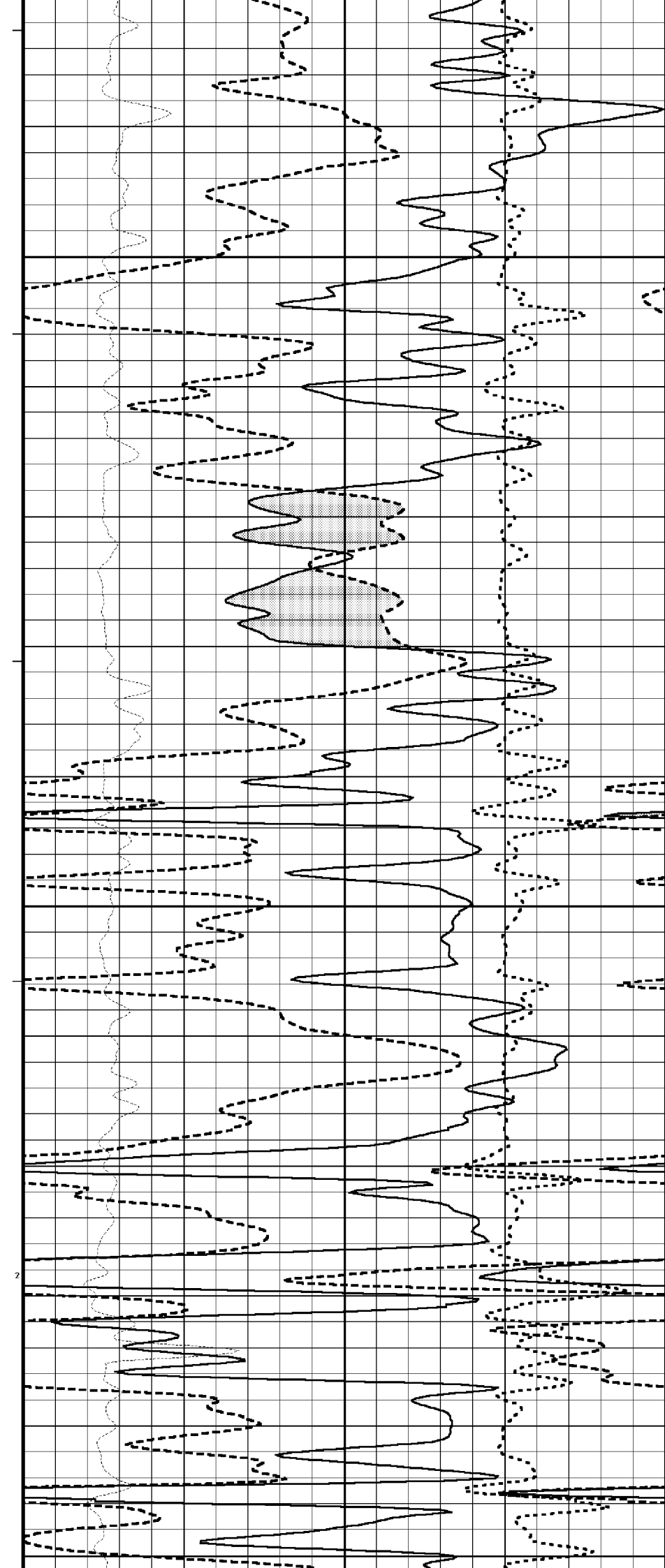
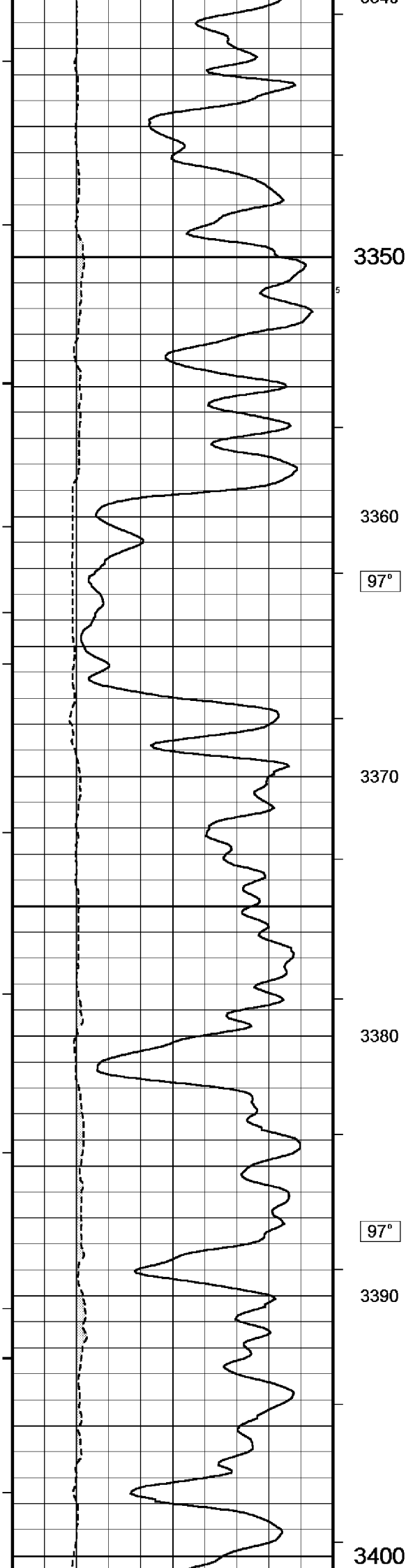


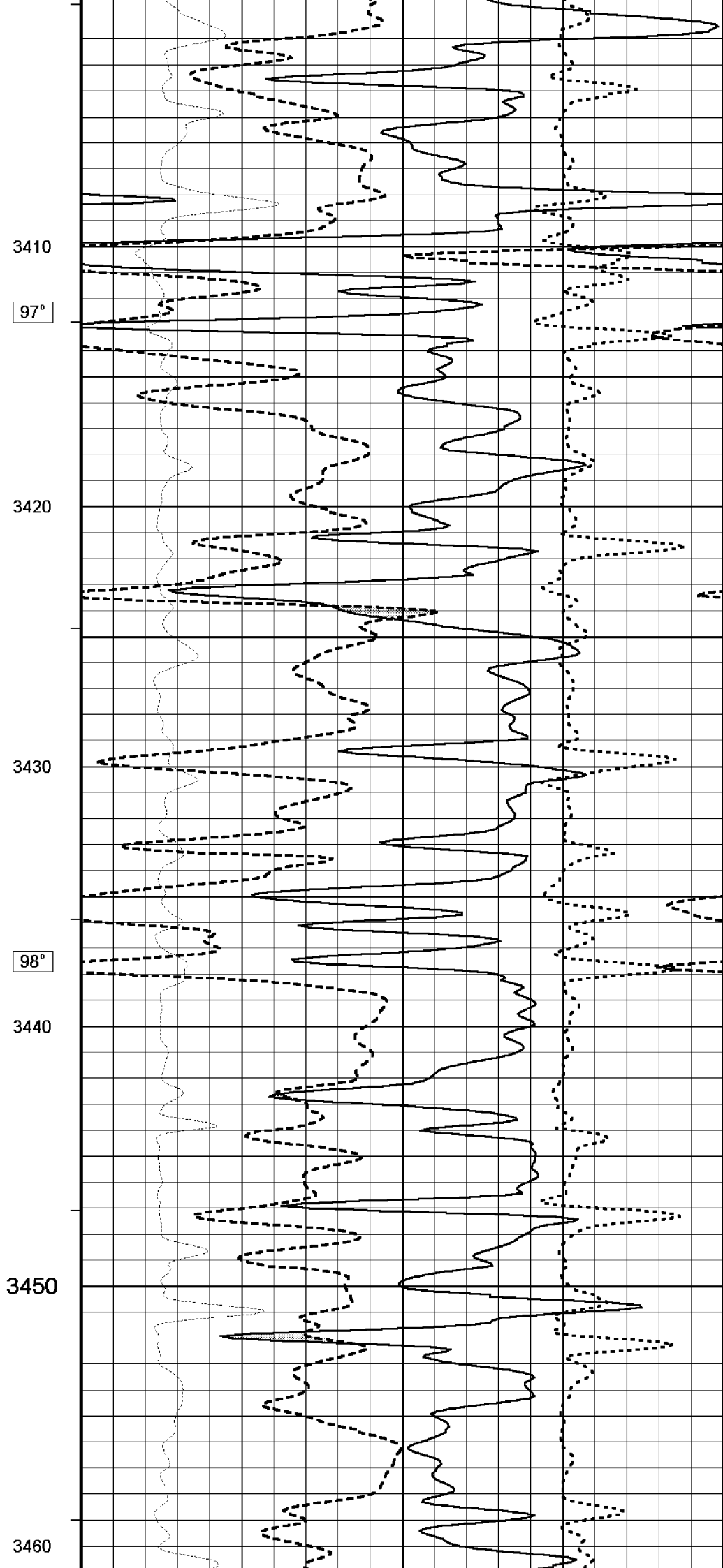
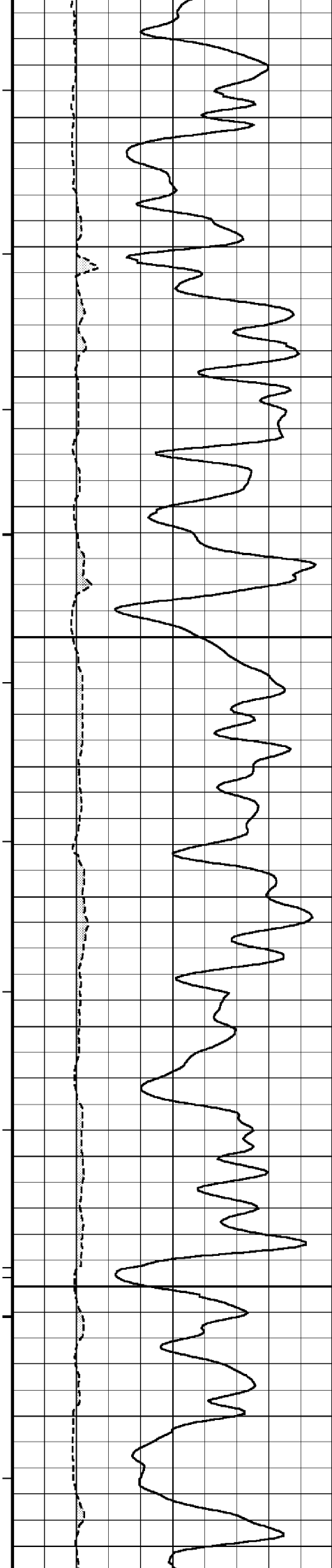


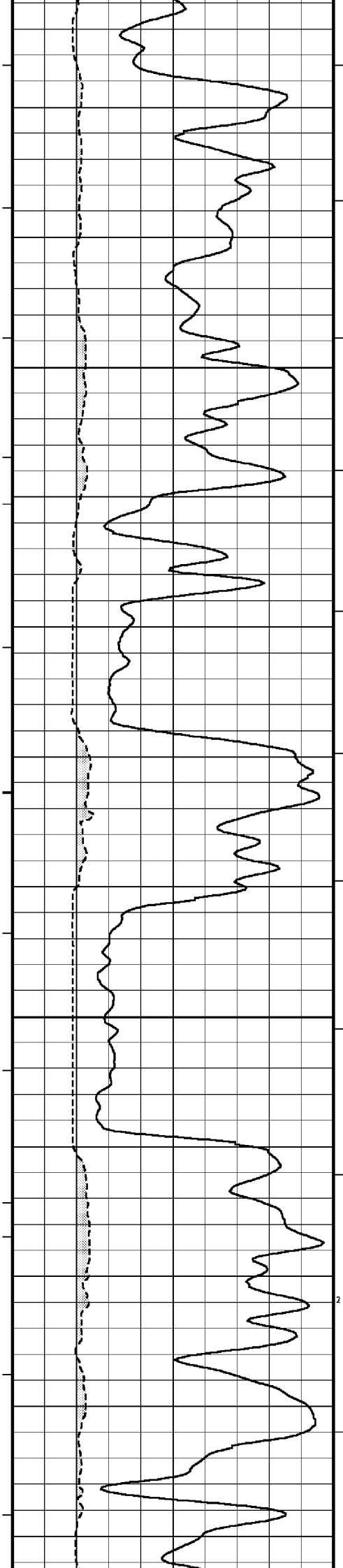












97°

3470

3480

97°

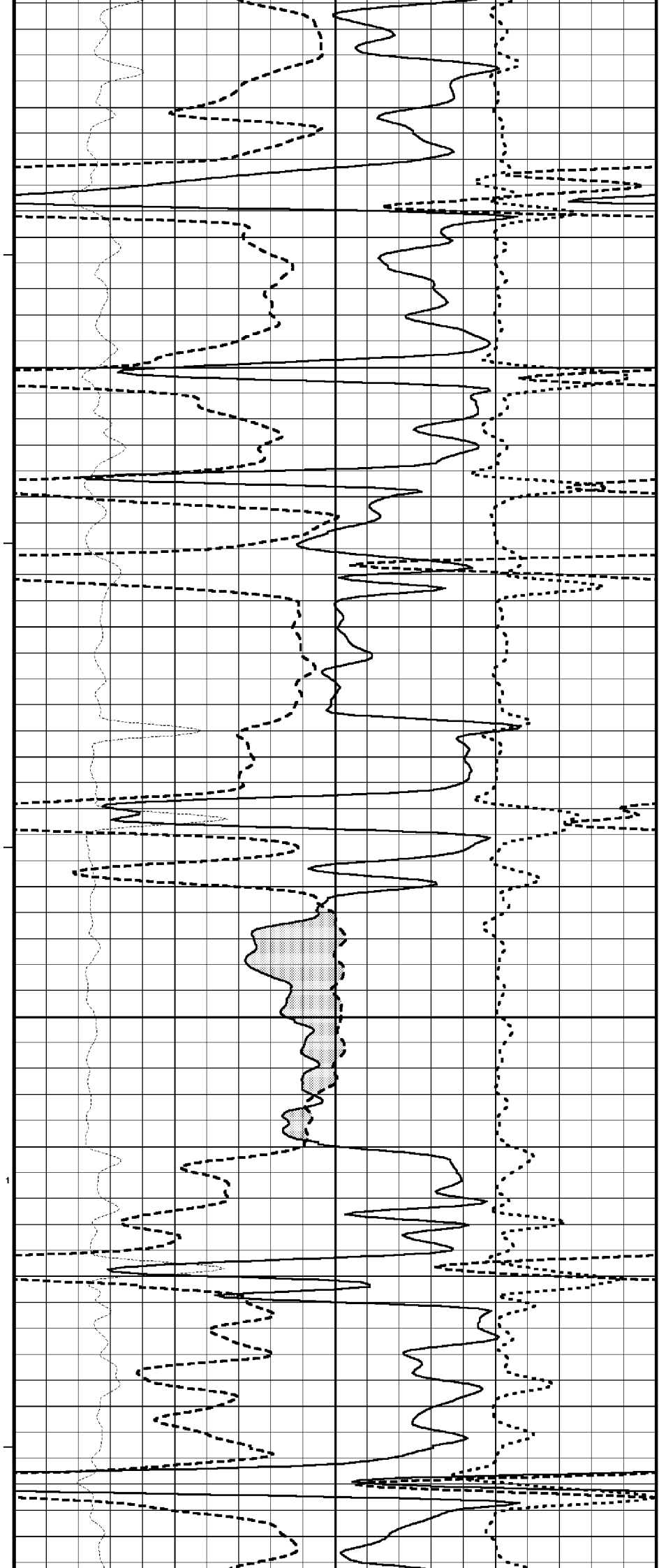
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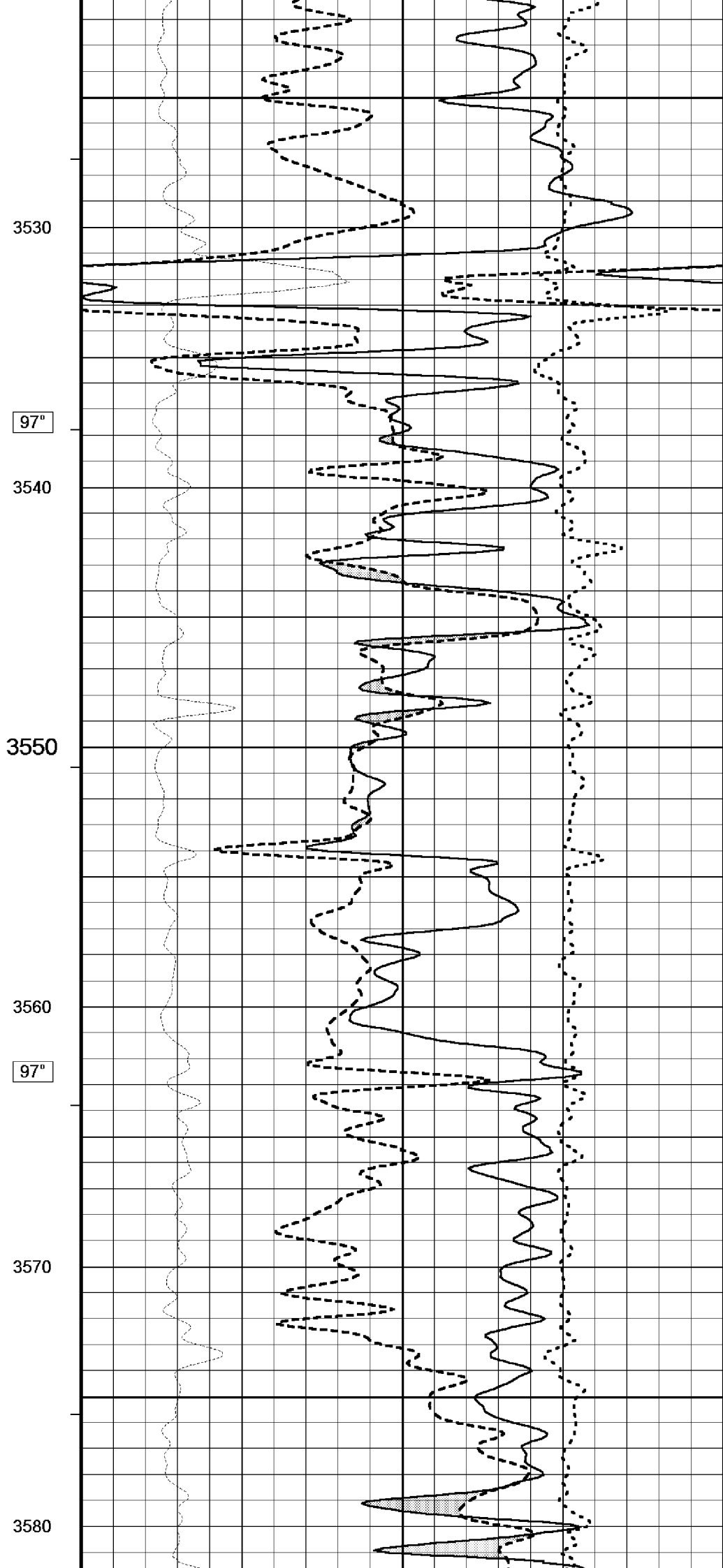
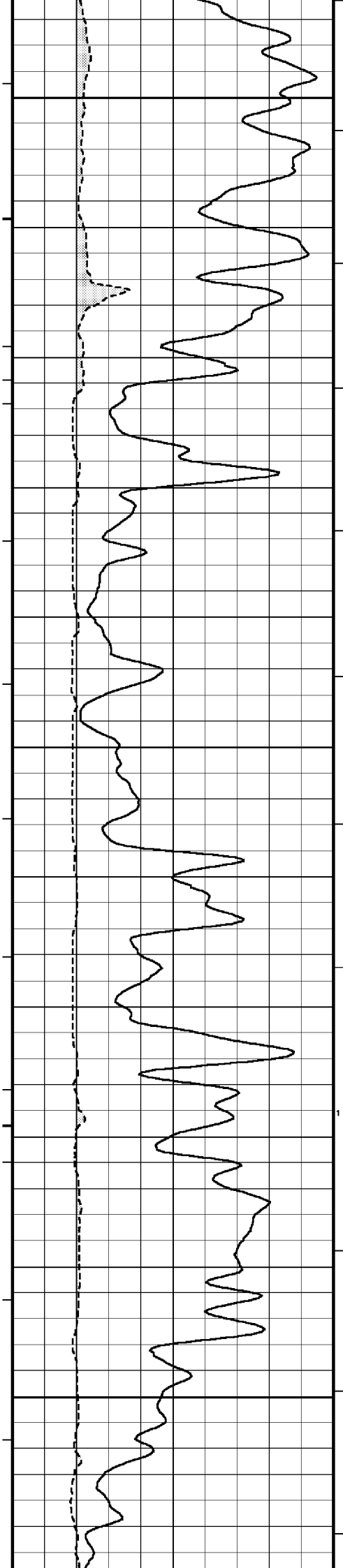
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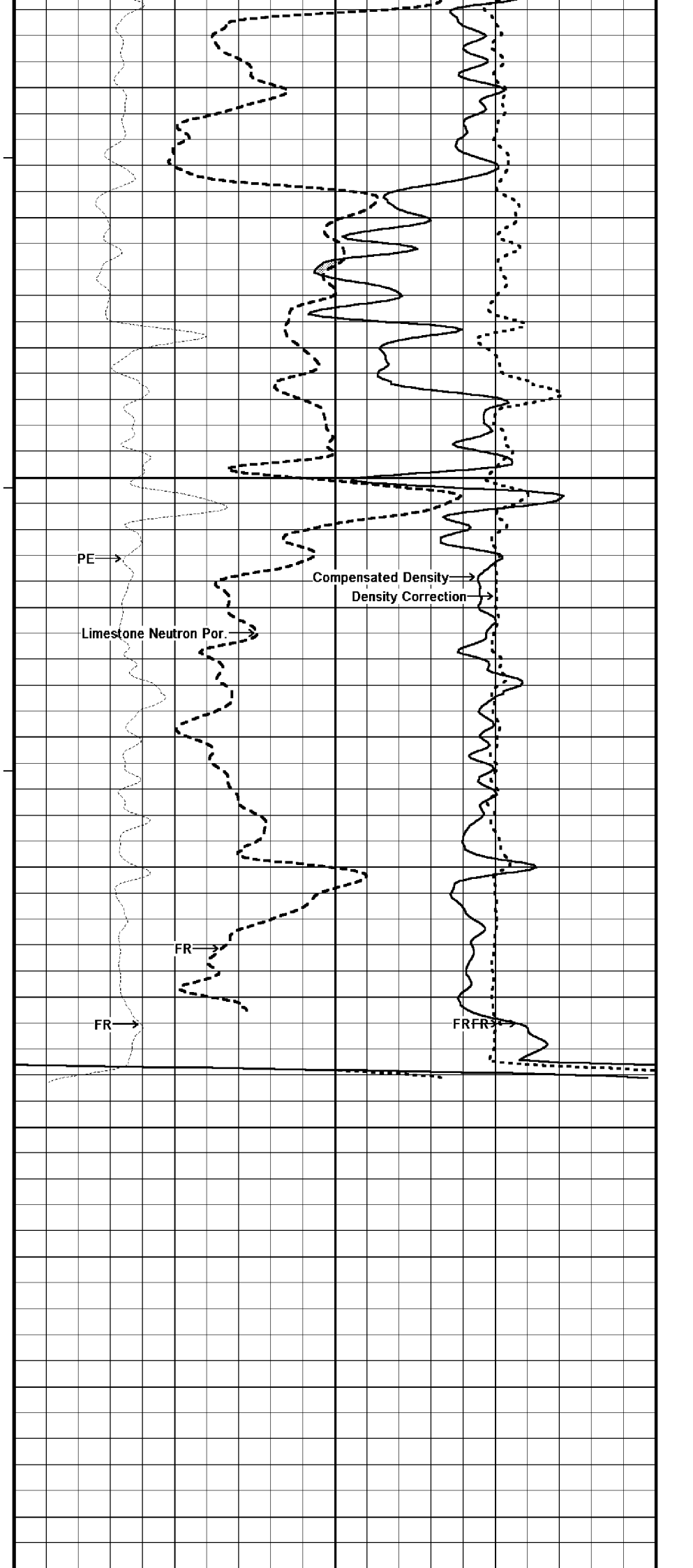
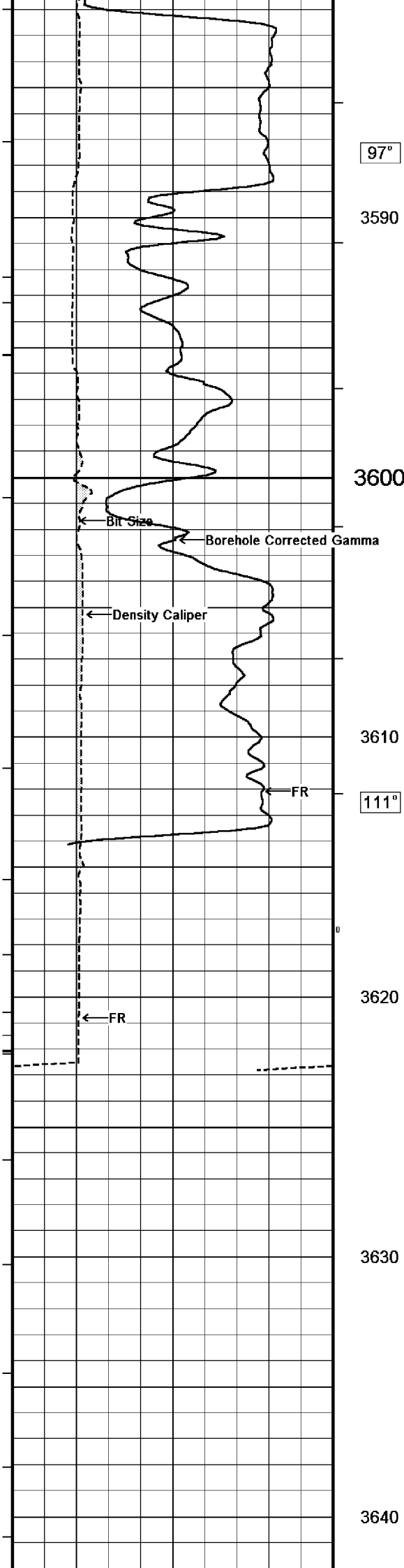
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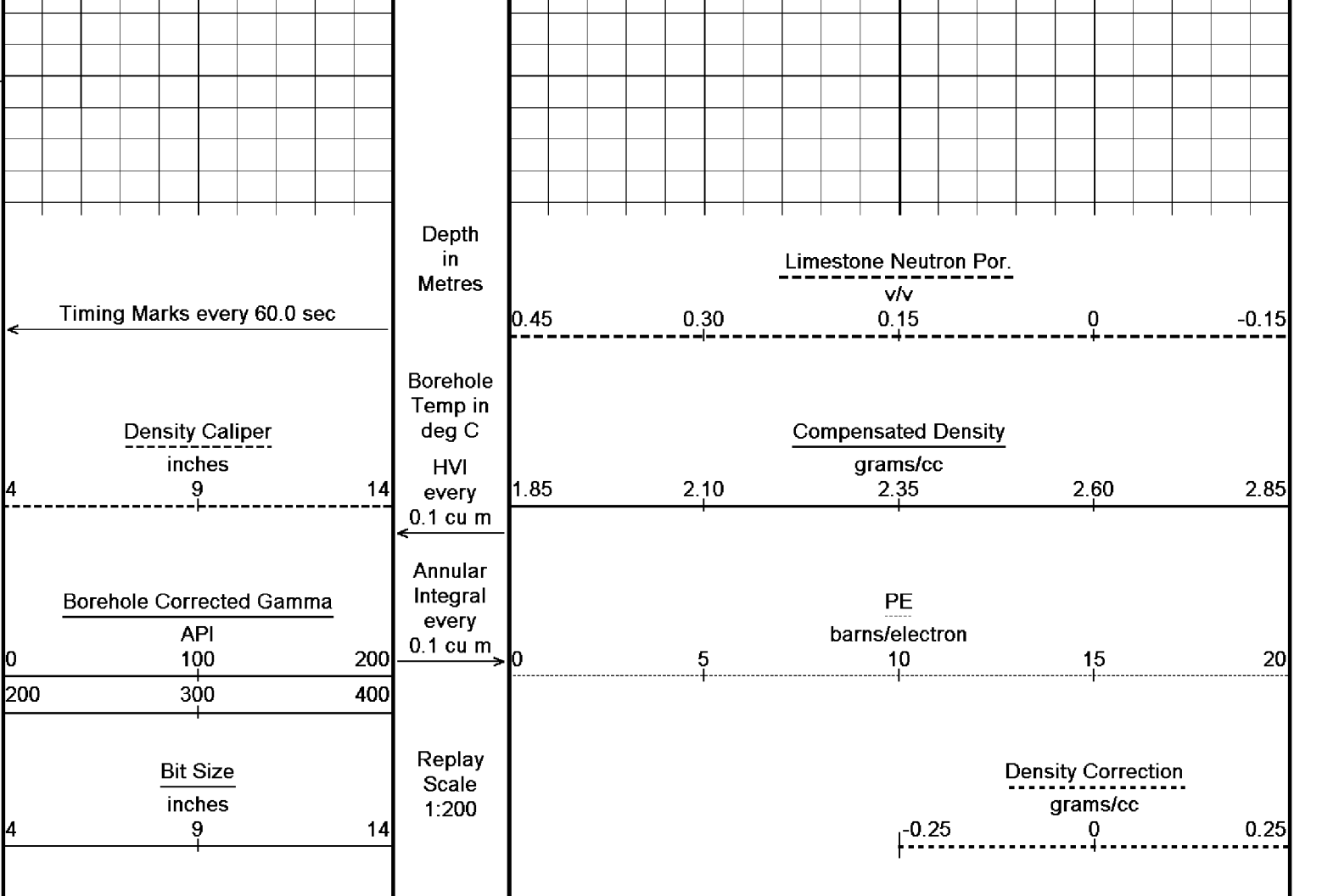
96°

3520









Depth Based Data - Maximum Sampling Increment 10.0cm
Filename: C:\Fla_a17a\B & W Finals\Fla_A17a_Main_log_MPD.dta
System Configuration Dates: Logged 23-OCT-2002: Processed 23-OCT-2002: Plotted 23-OCT-2002:
Plotted on 23-OCT-2003 11:04
Recorded on 17-AUG-2003 18:09
MAIN LOG 1:200

BEFORE SURVEY CALIBRATION			
C:\Fla_a17a\B & W Finals\Fla_A17a_Main_log_MPD.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			

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 WH	Ratio	Calibrated 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

DOWNHOLE EQUIPMENT

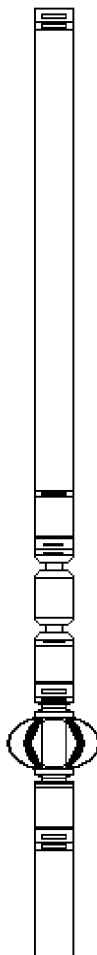
All measurements relative to tool zero.

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



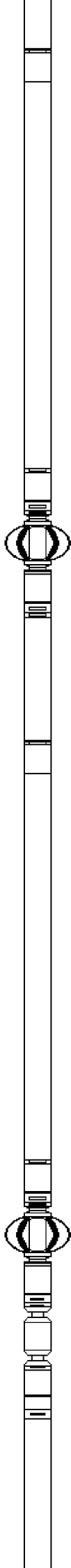
Compact Inline Standoff B
MIS 136 Length: 0.65 m Weight: 15.43 lb

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



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

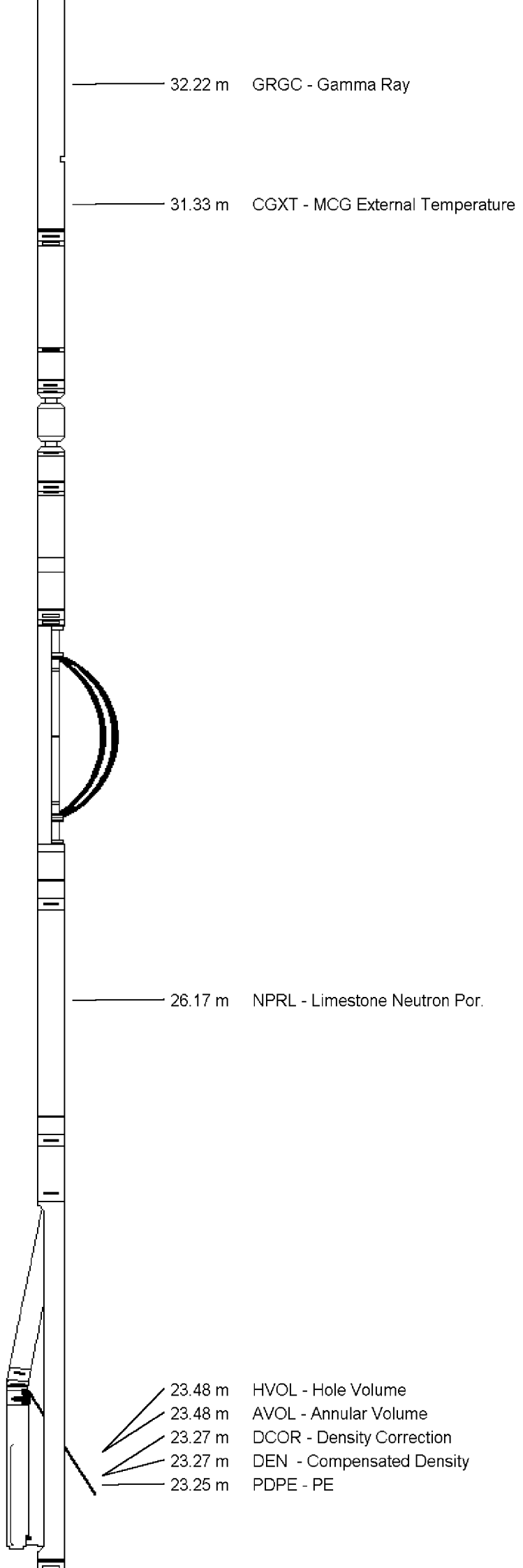
Compact Knuckle Joint
SKJ 46 Length: 0.66 m Weight: 24.25 lb

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

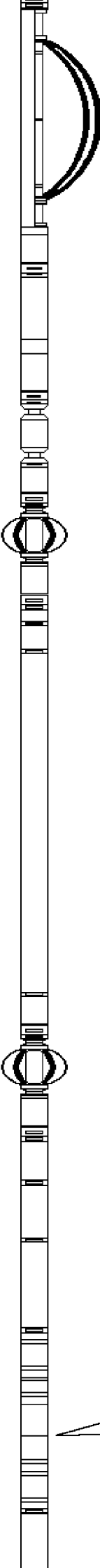
Compact Knuckle Joint
SKJ 45 Length: 0.66 m Weight: 24.25 lb

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



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

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

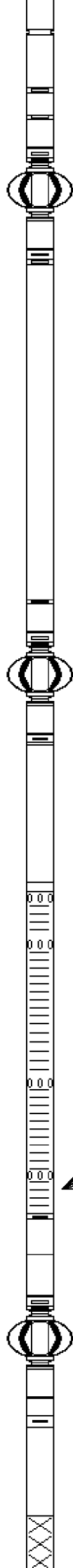
Compact Lower Guard Sub.
MLG 9 Length: 2.44 m Weight: 55.12 lb

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



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

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	3639.70	metres
Elevation Drill Floor 33.85	metres	Depth Driller	3660.00	metres
Elevation Ground Level -93.00	metres	Depth Logger	3646.00	metres

PHOTO DENSITY
COMPENSATED NEUTRON
1:200 MD

Reeves