



## MAIN LOG 1:500

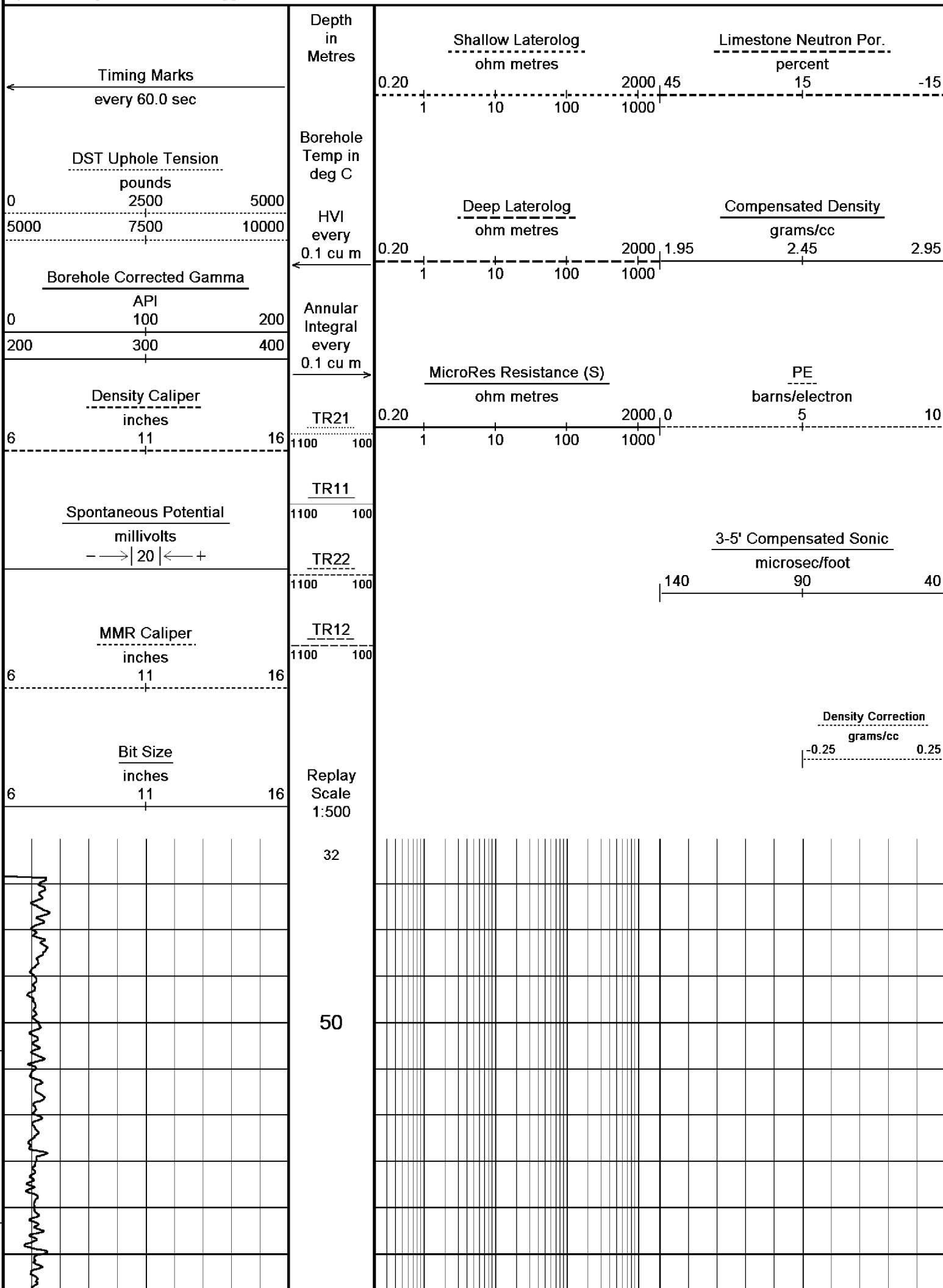
Depth Based Data - Maximum Sampling Increment 10.0cm

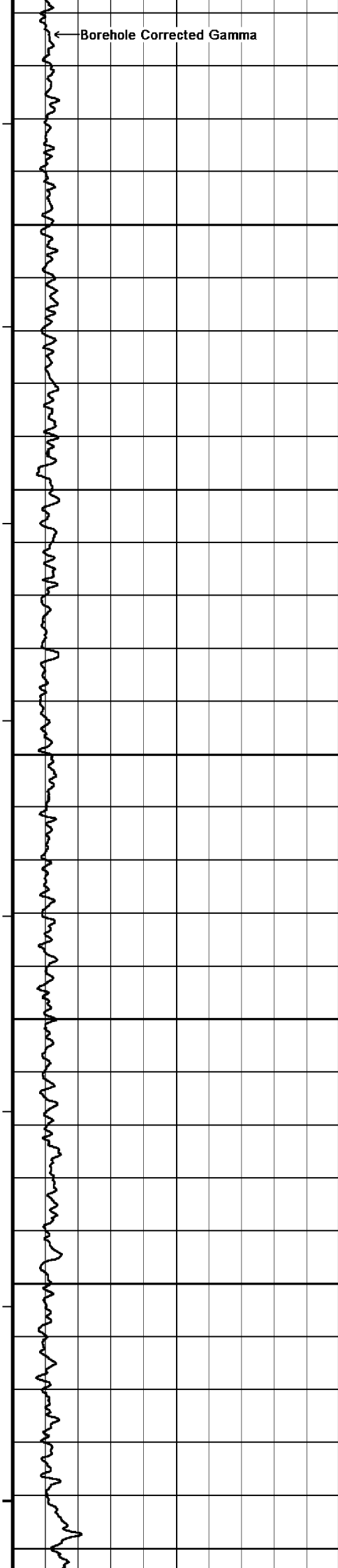
Plotted on 06-OCT-2005 16:19

Filename: C:\logs\Origin\Childers Cove Run 2\SUPERCOMBO\_COMBINED\_MAIN\_LOG.dta

Recorded on 04-OCT-2005 00:45

System Configuration Dates: Logged : Plotted 17-JUN-2004:

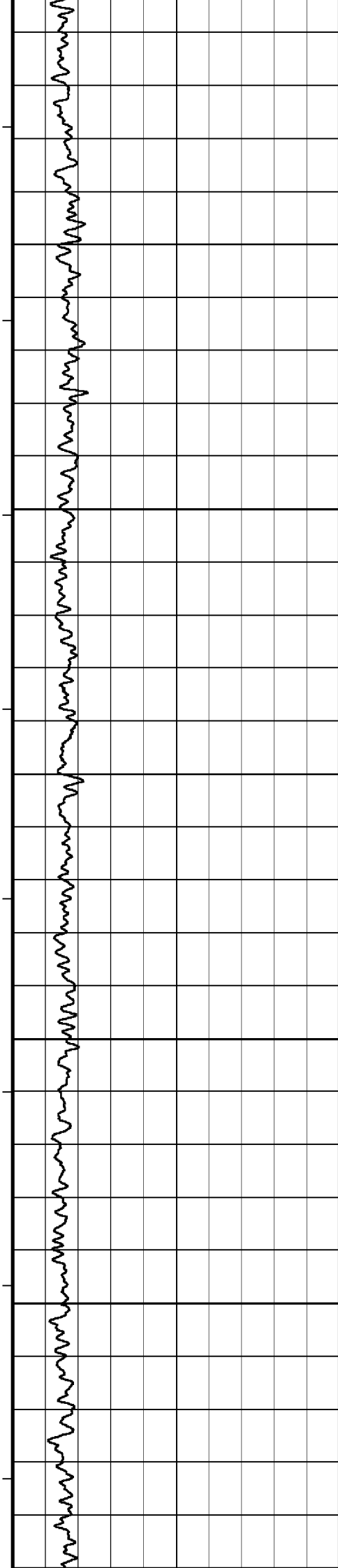




100

150

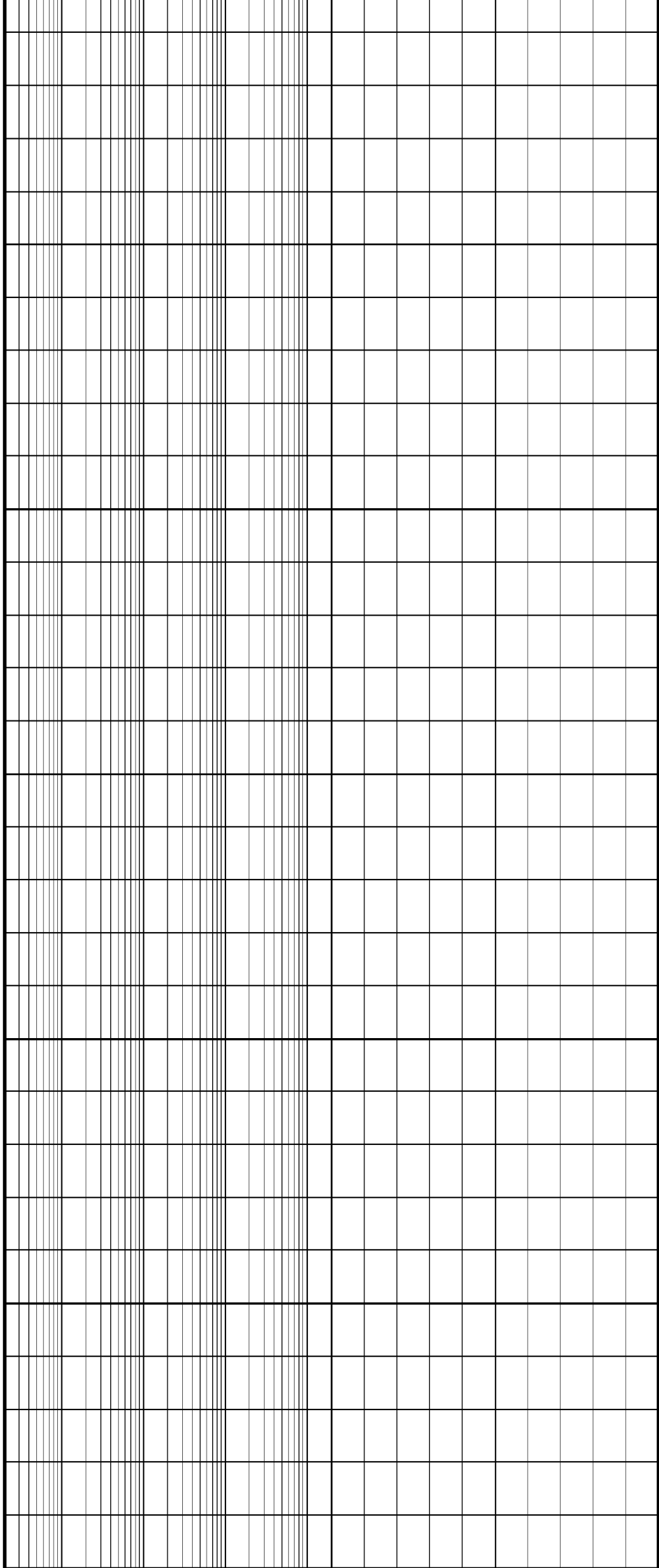
200

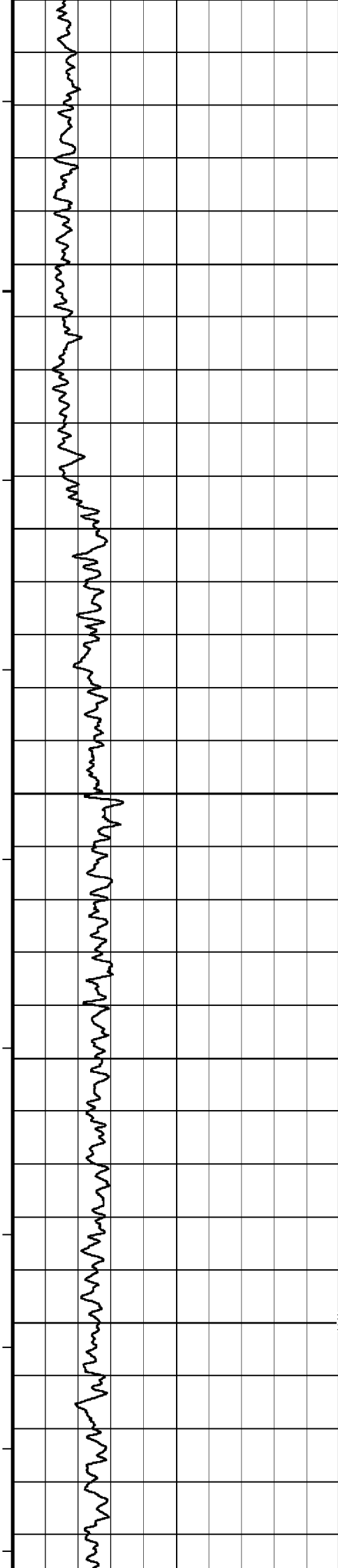


250

300

350

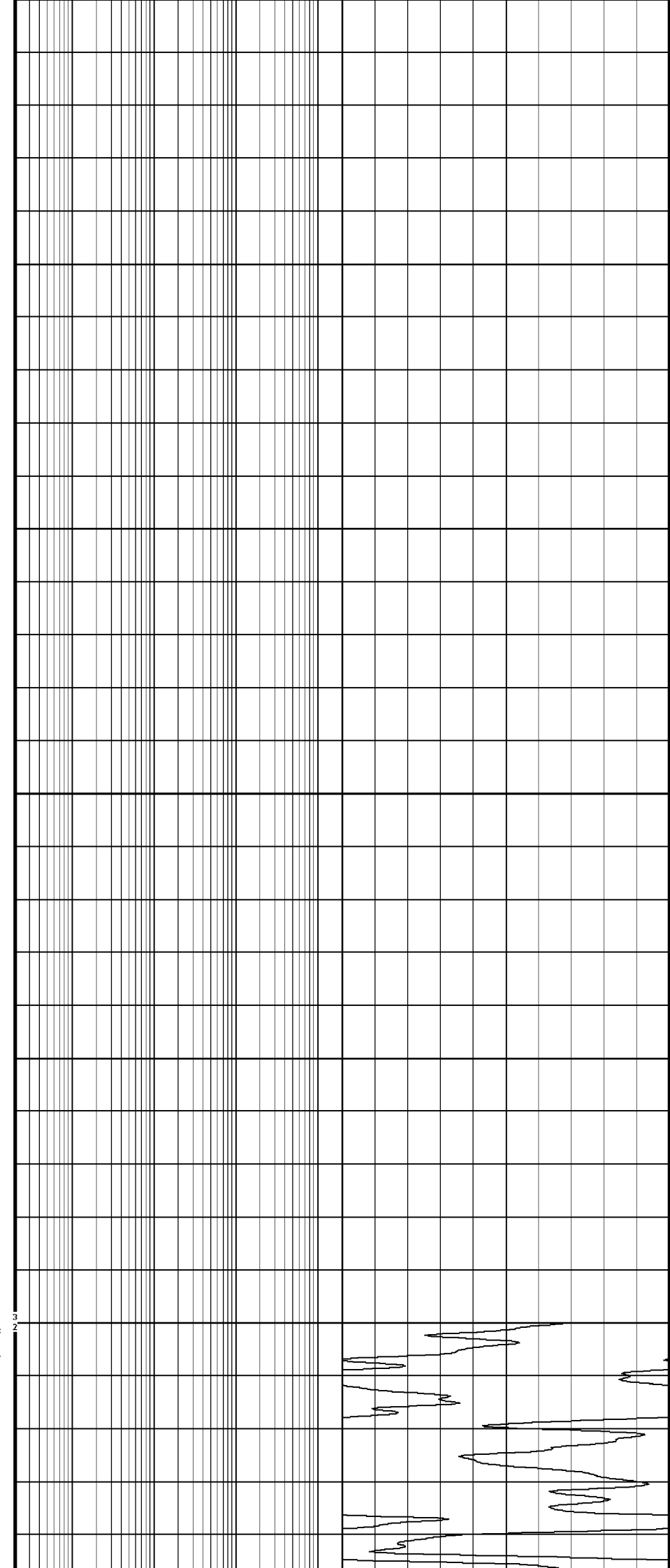
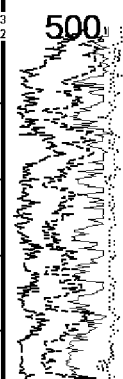


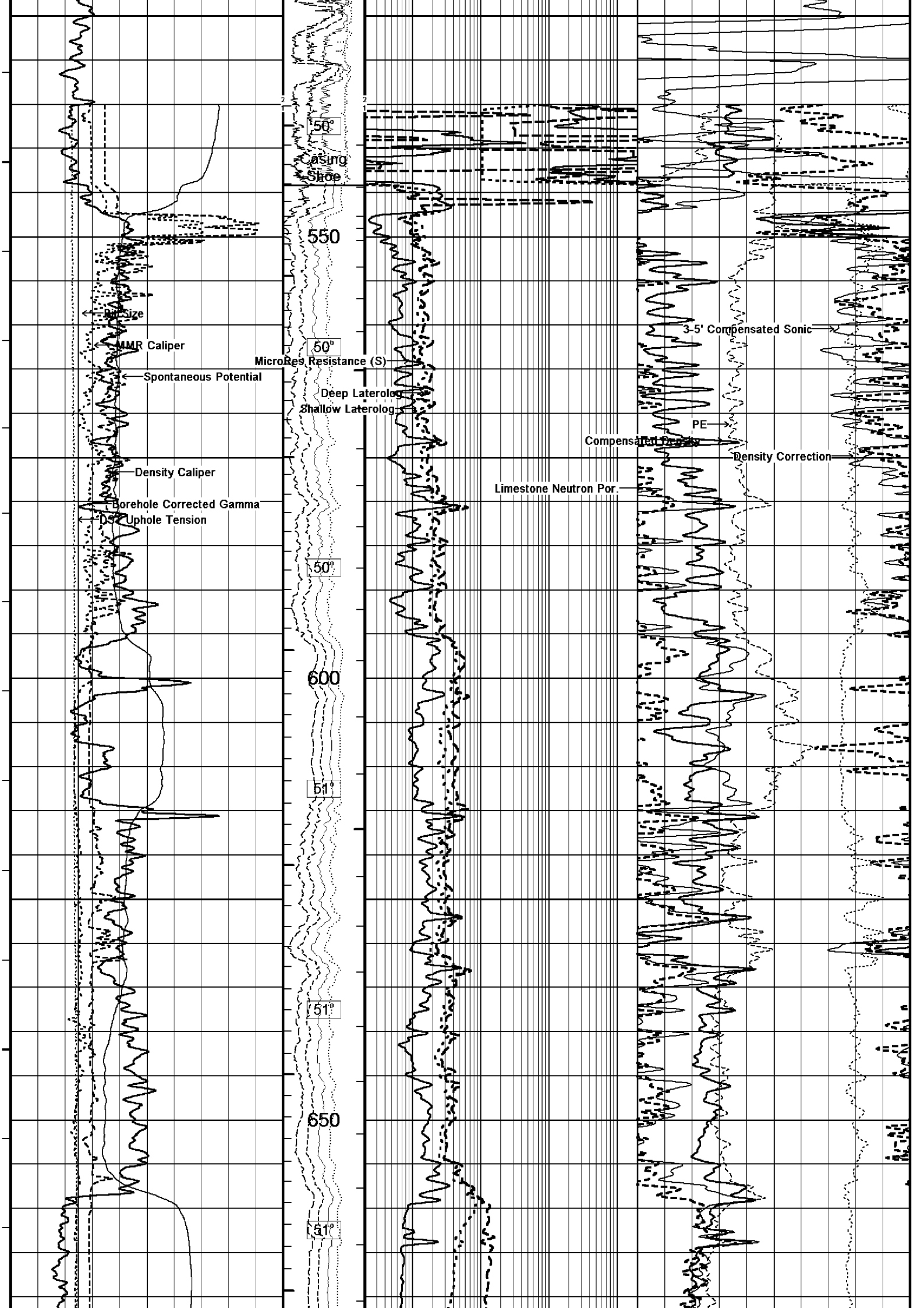


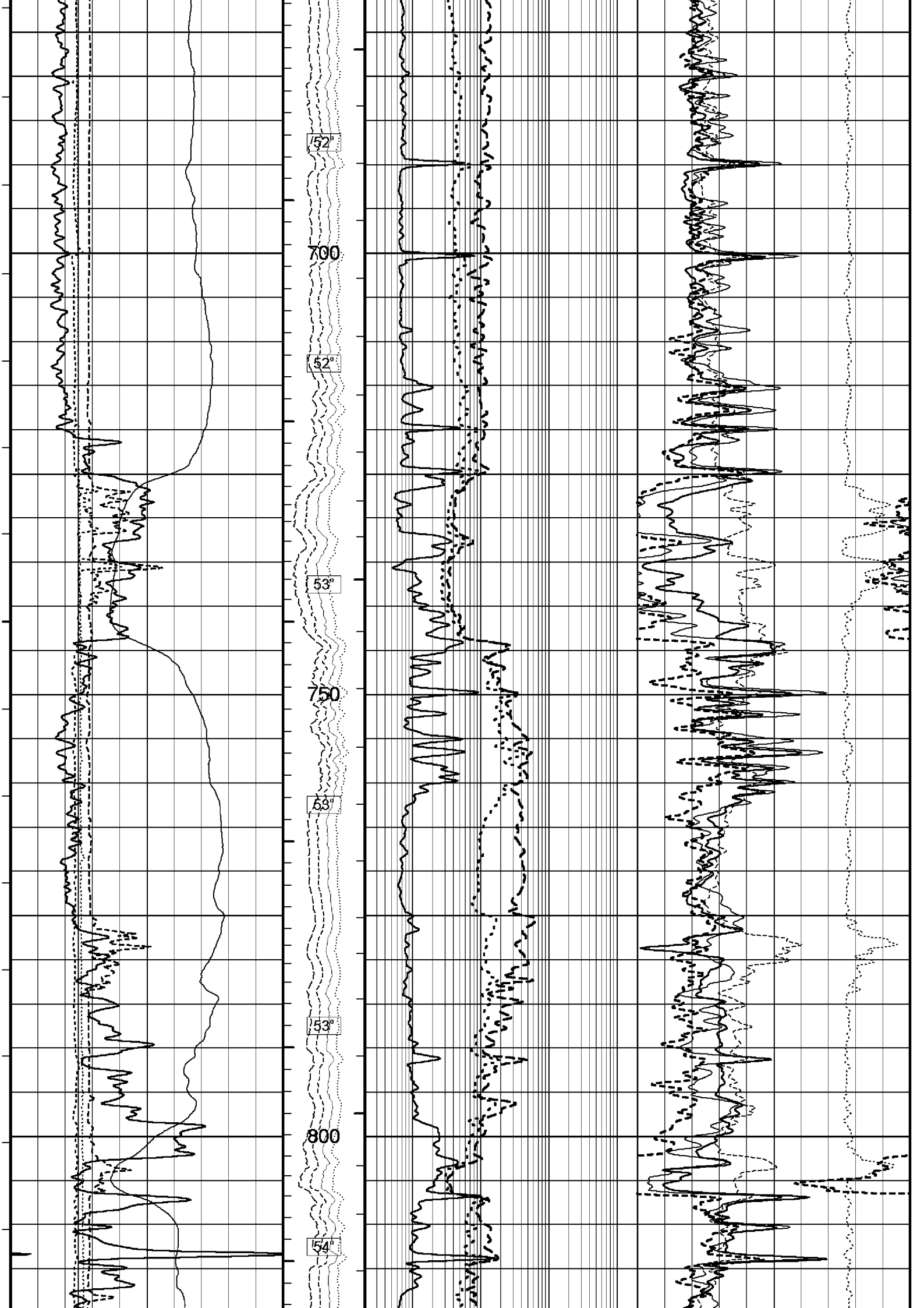
400

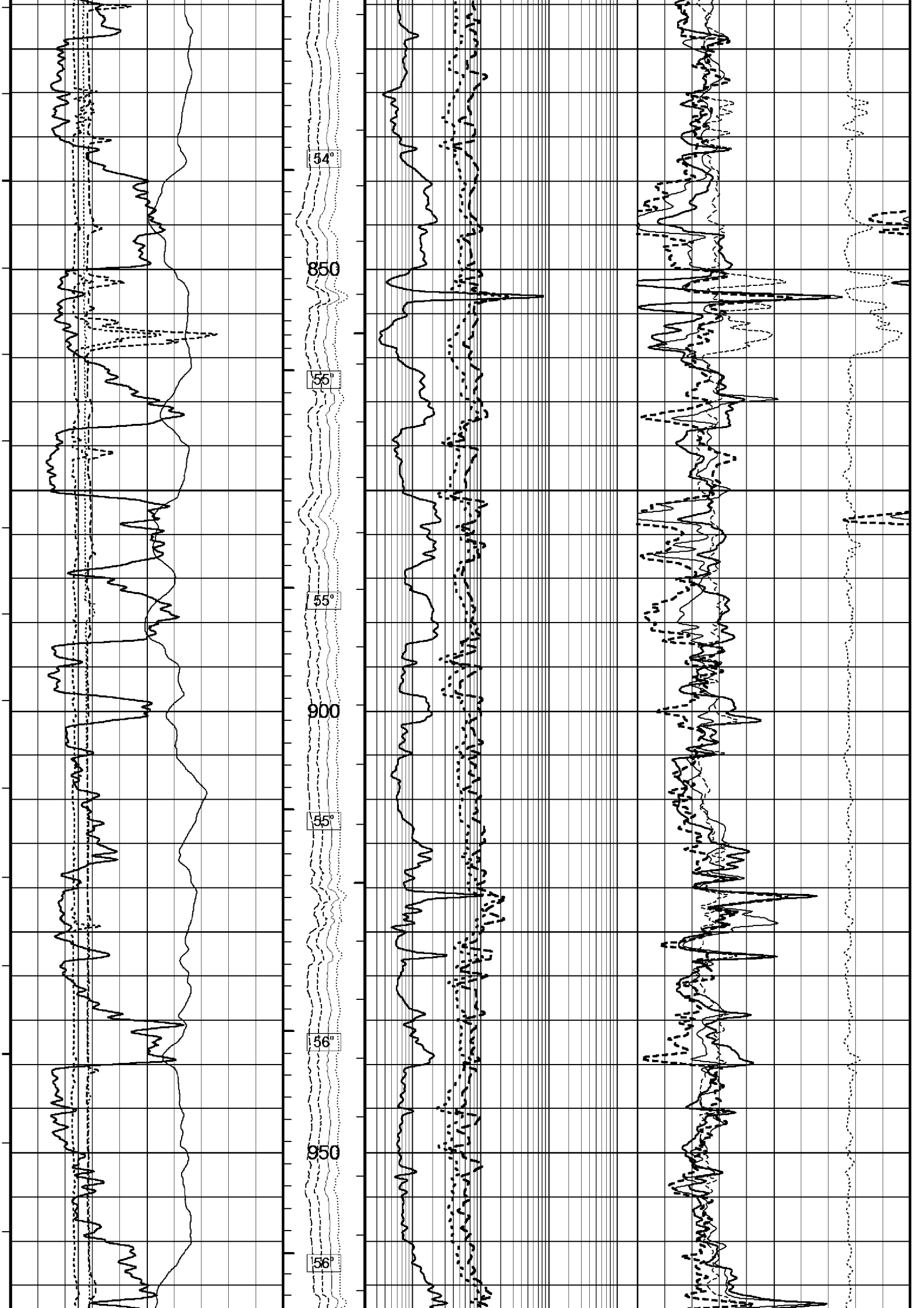
450

500

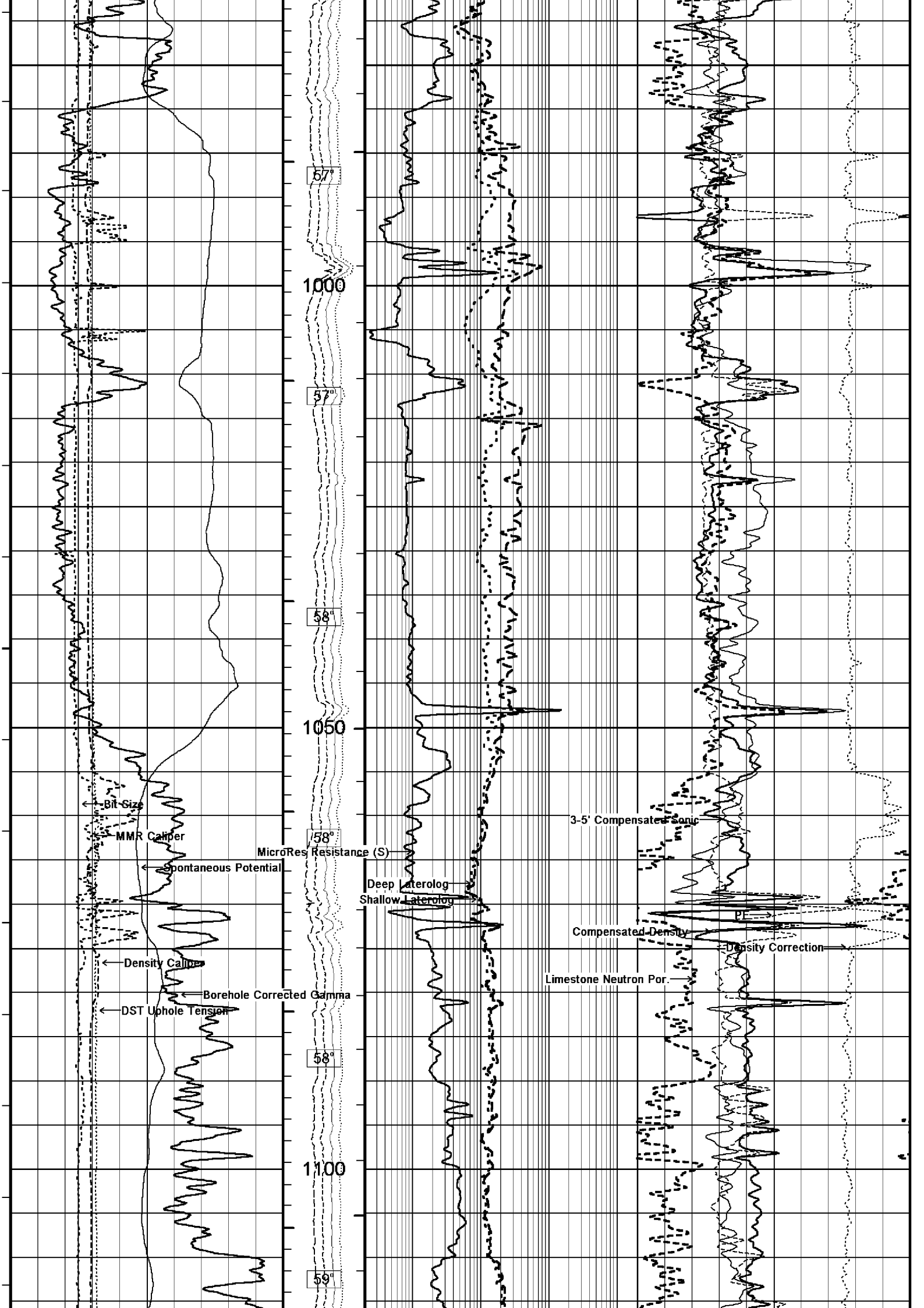


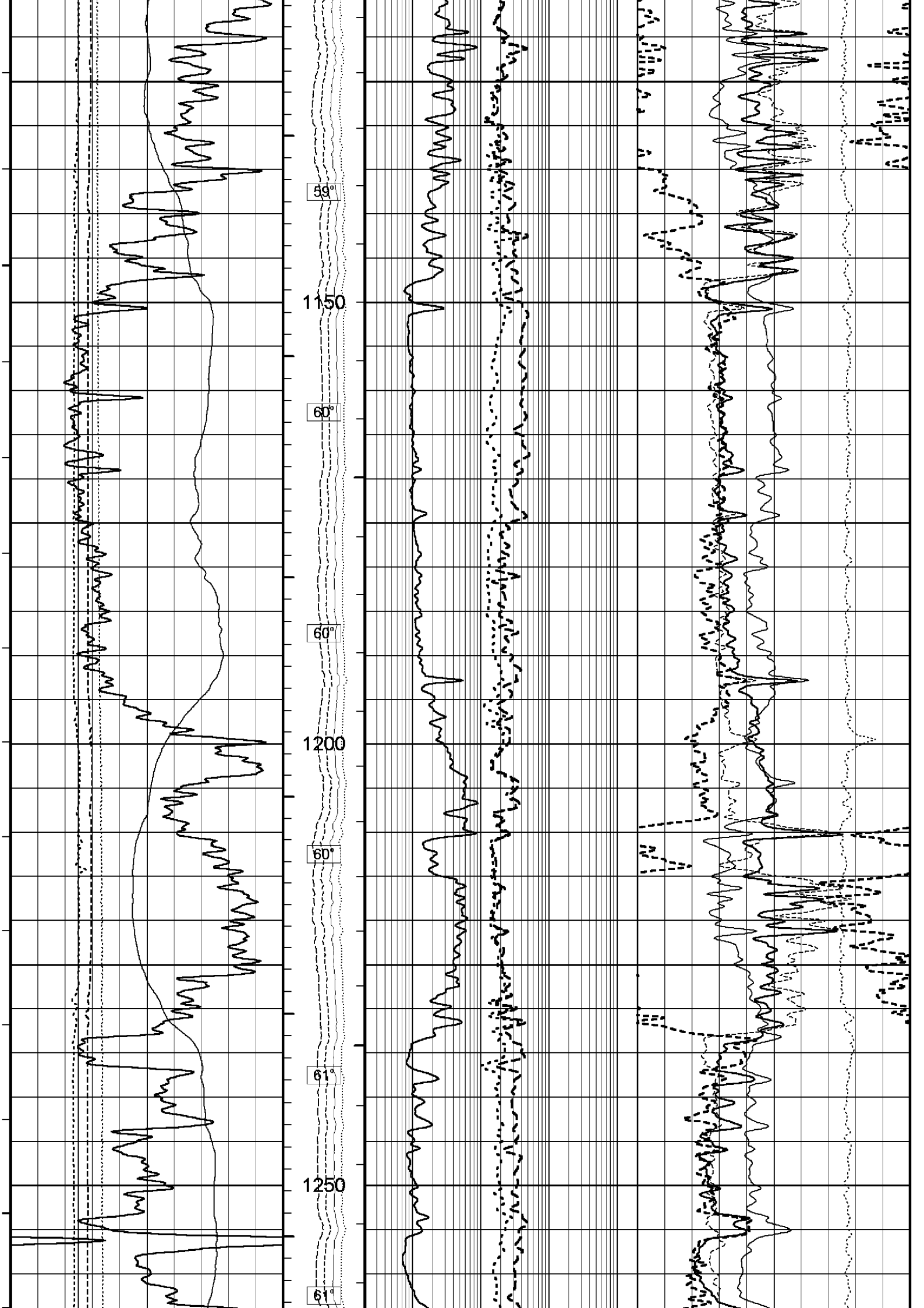


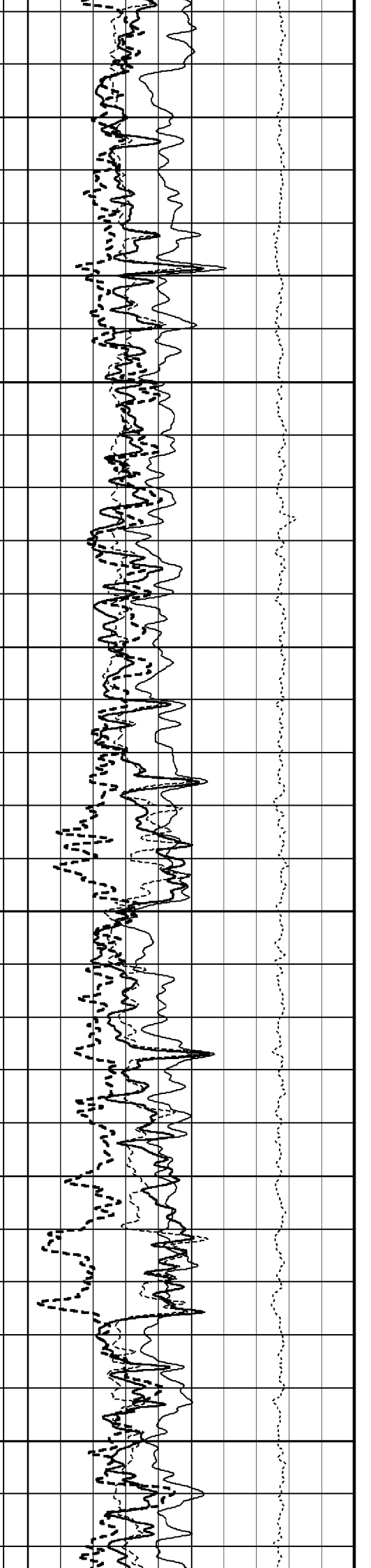
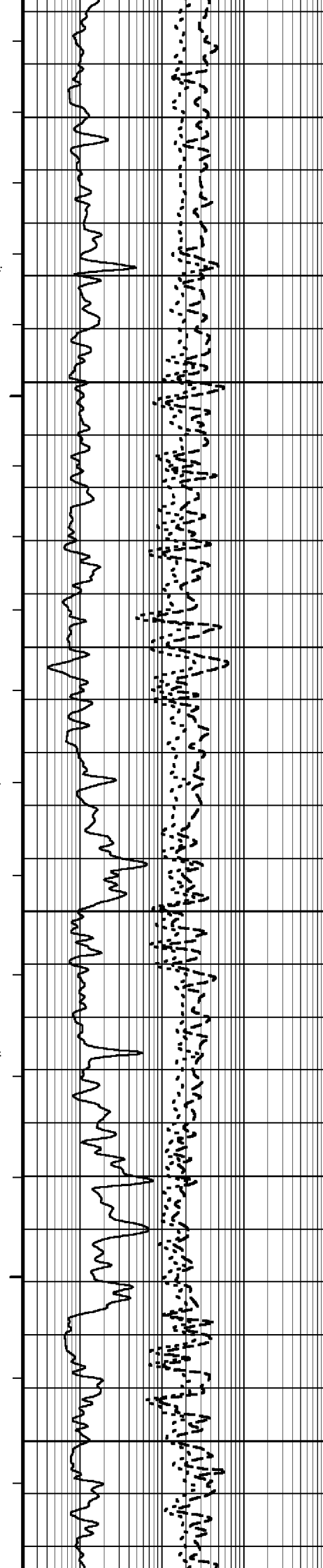
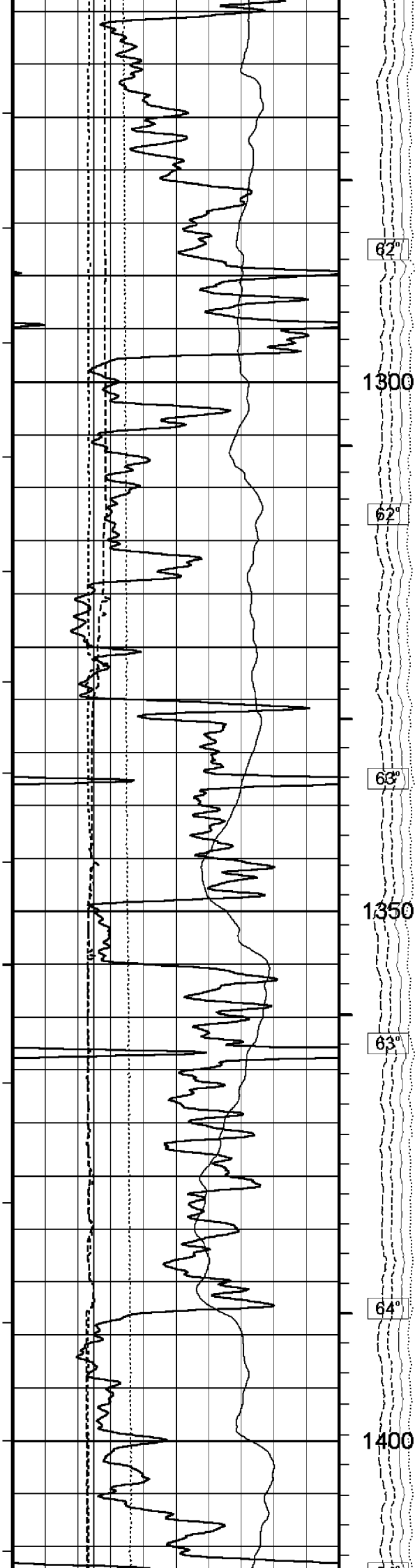


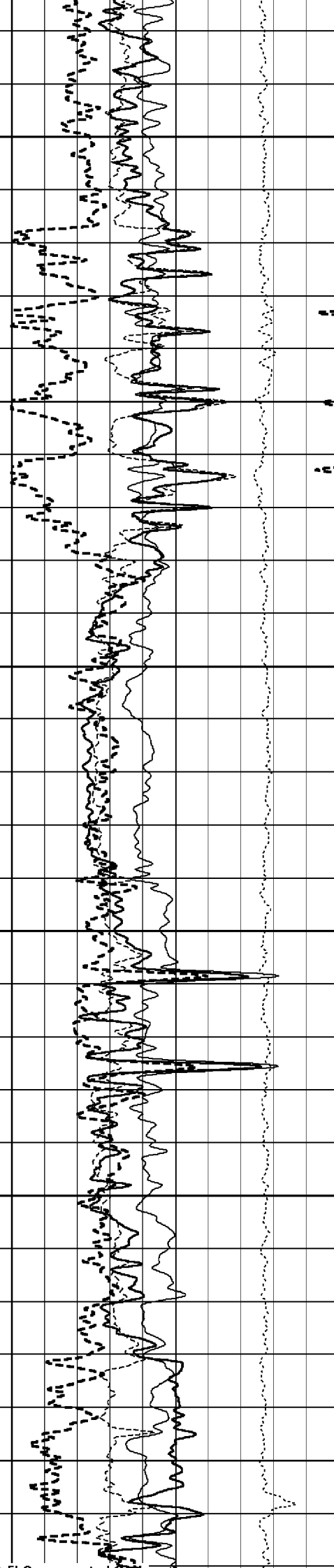
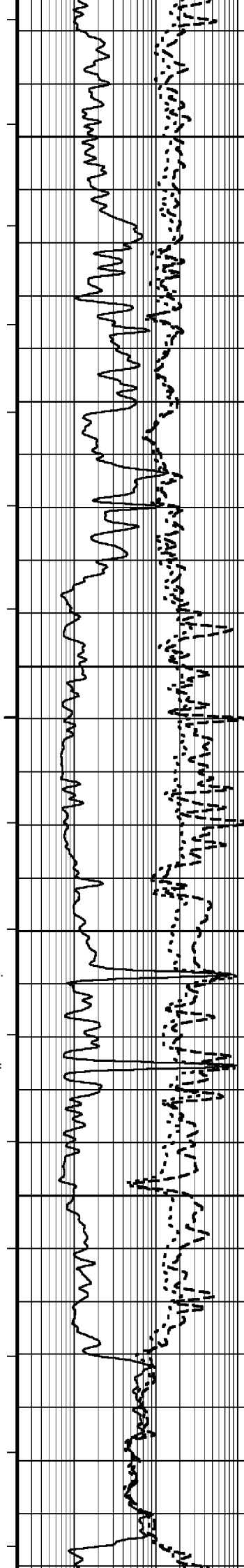
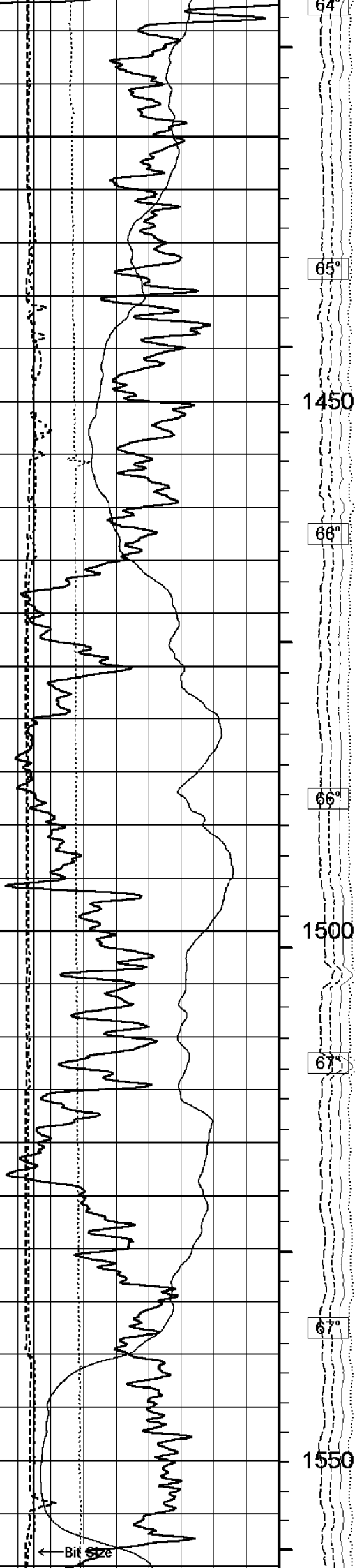


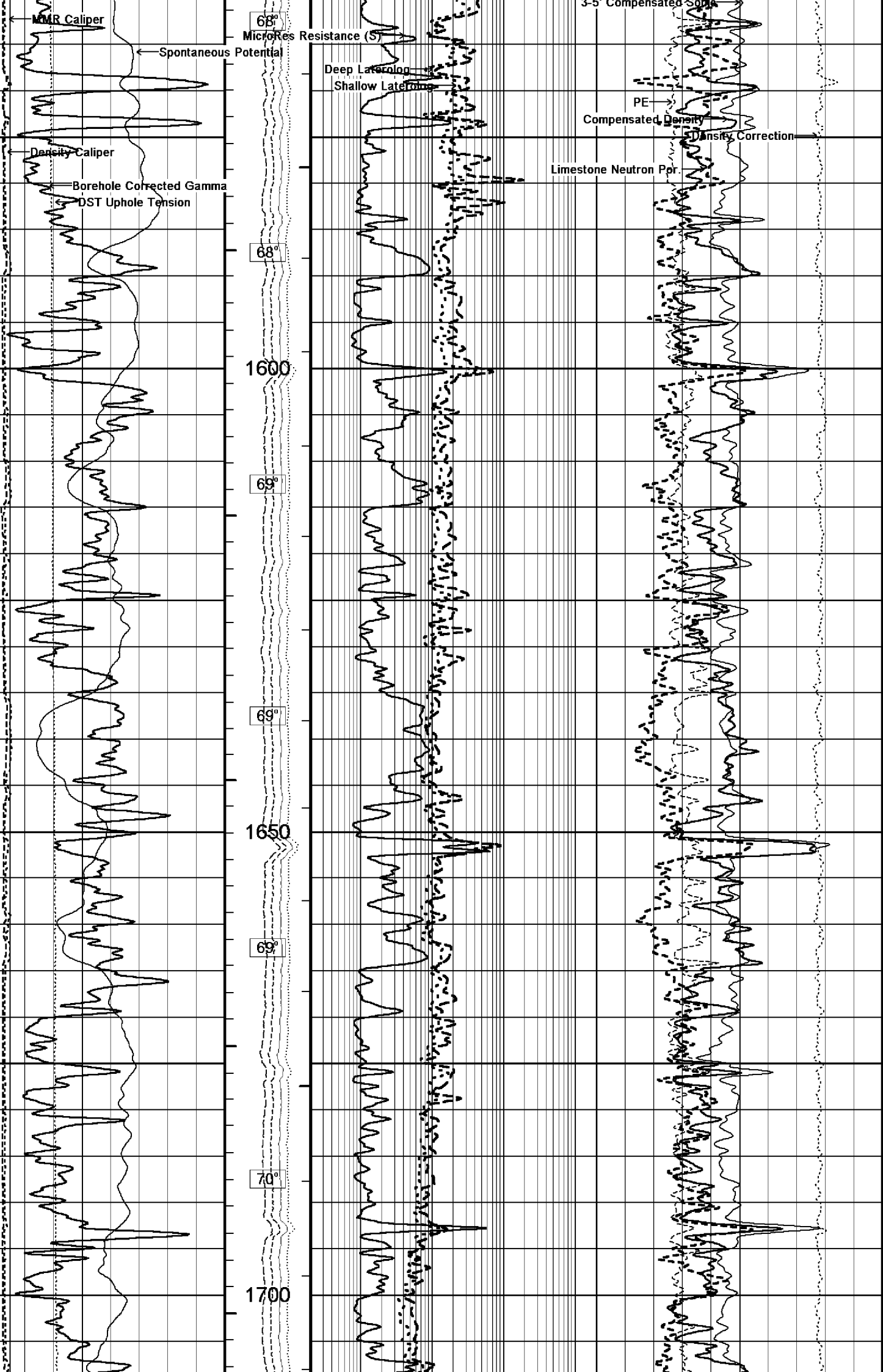


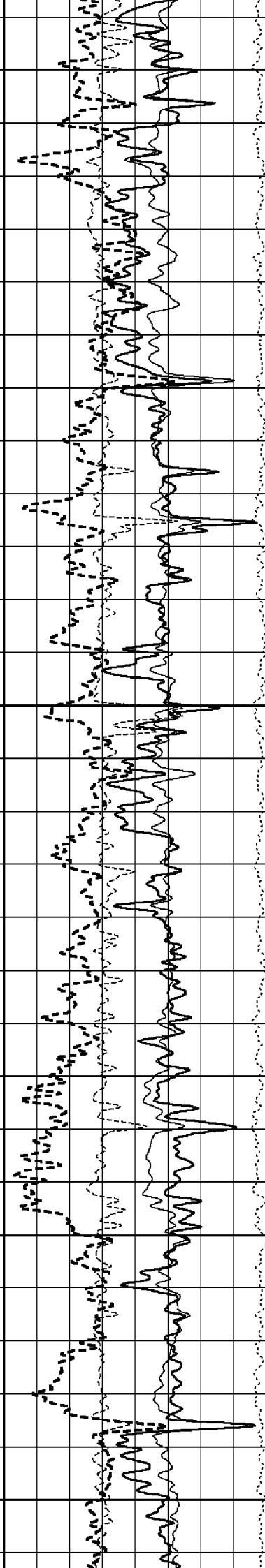
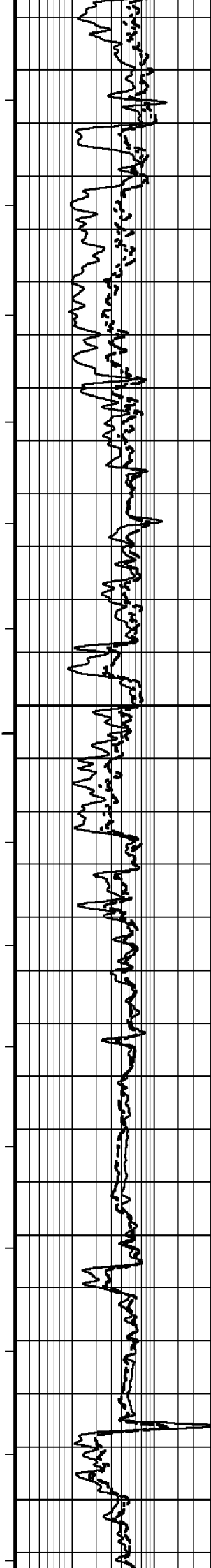
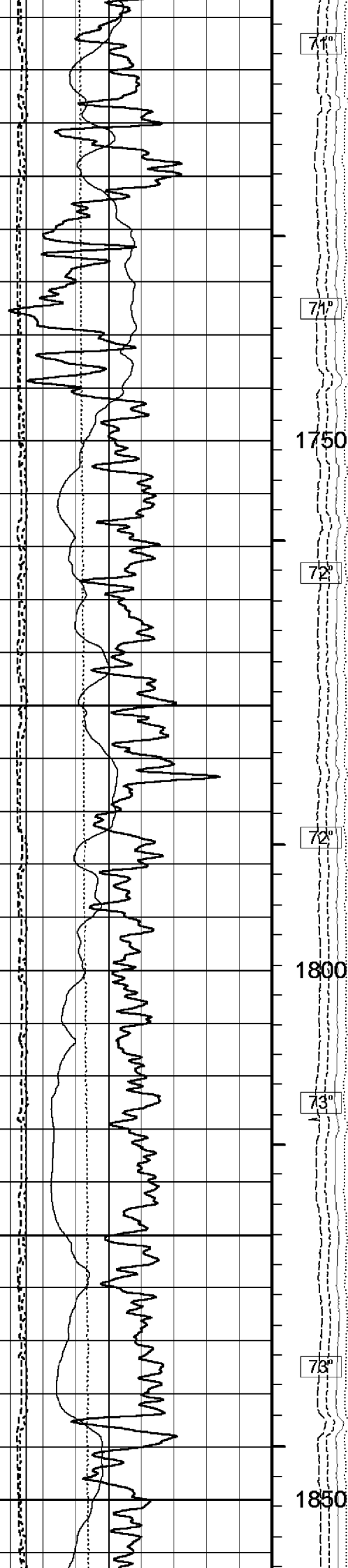


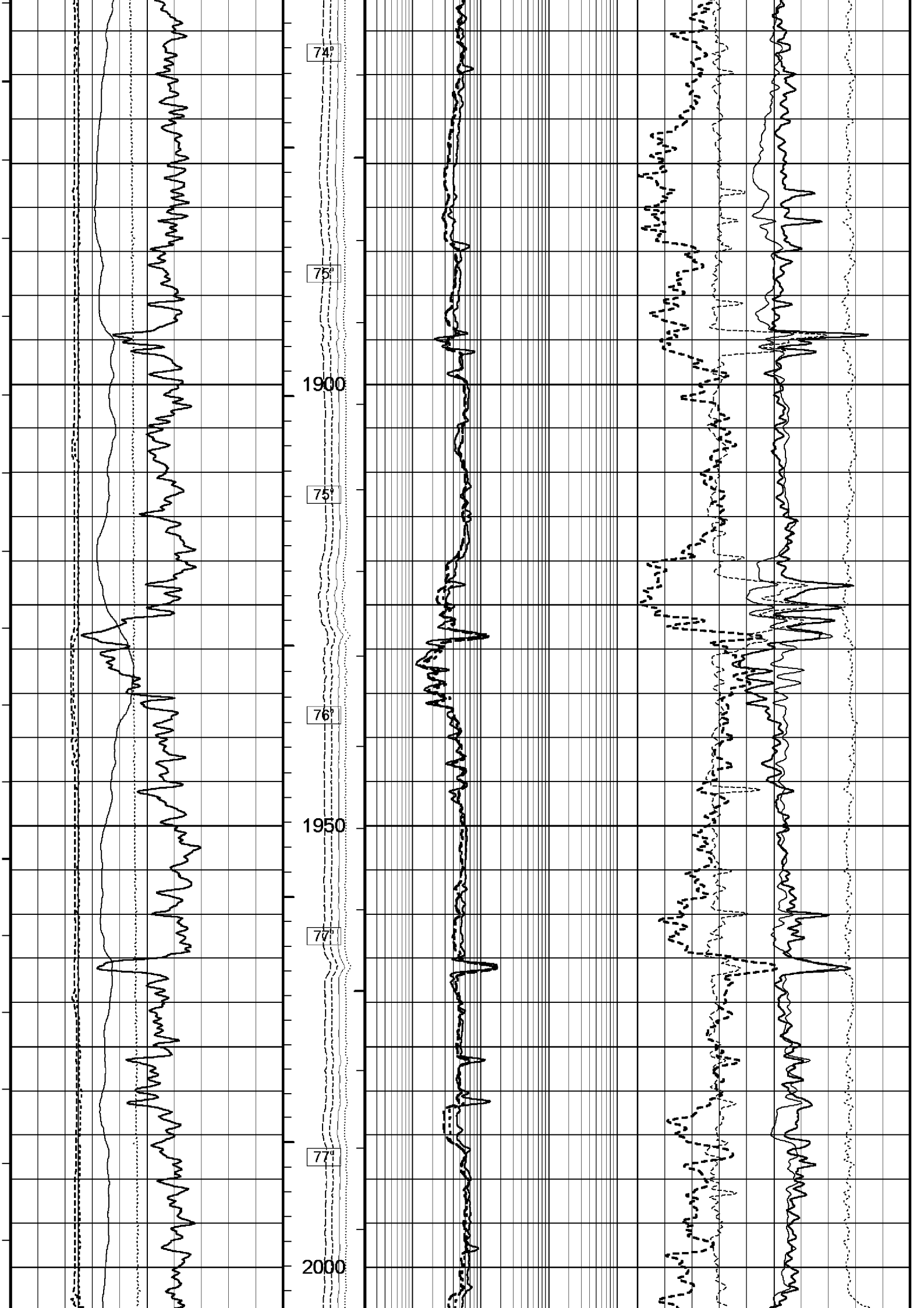


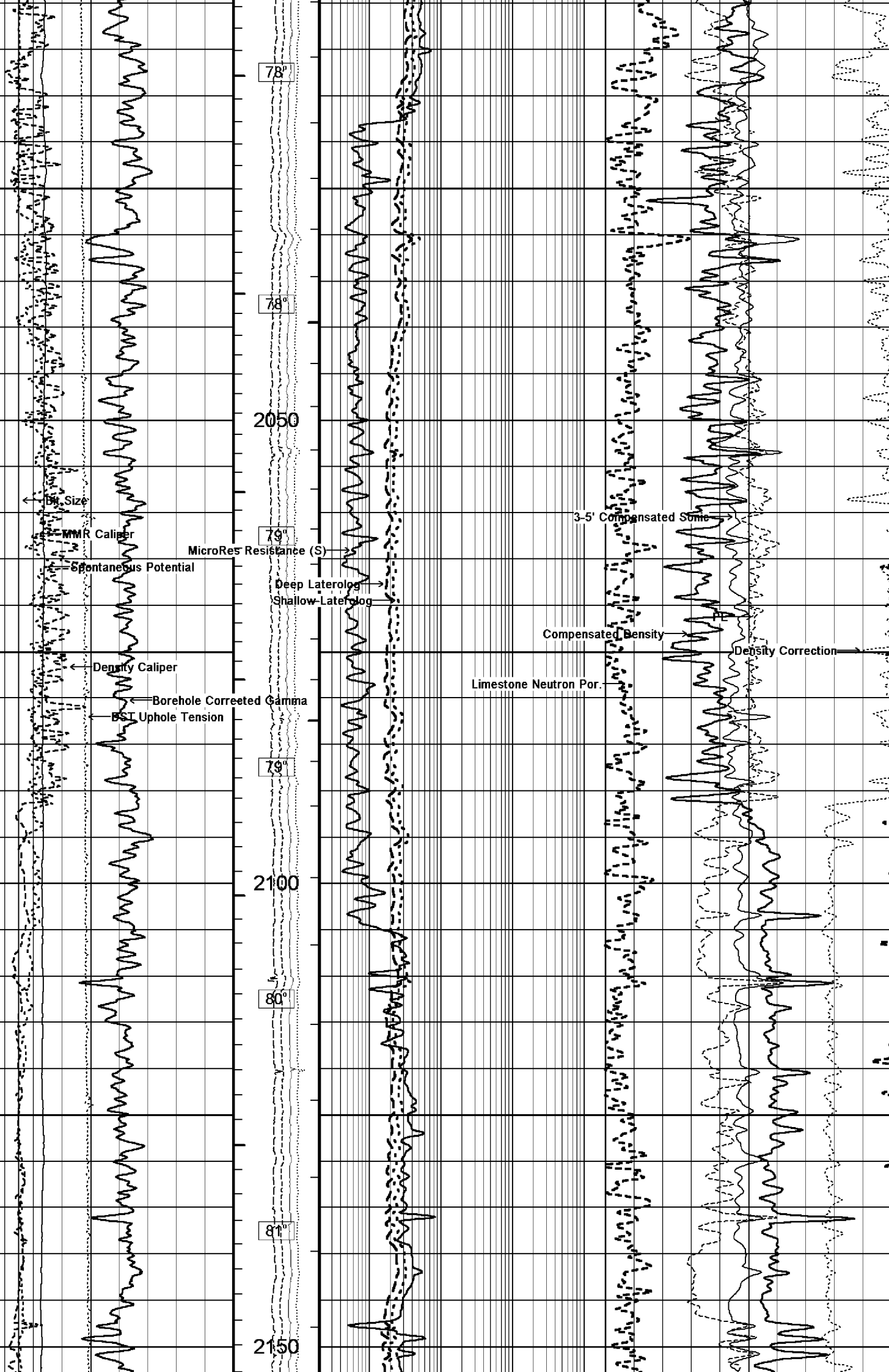




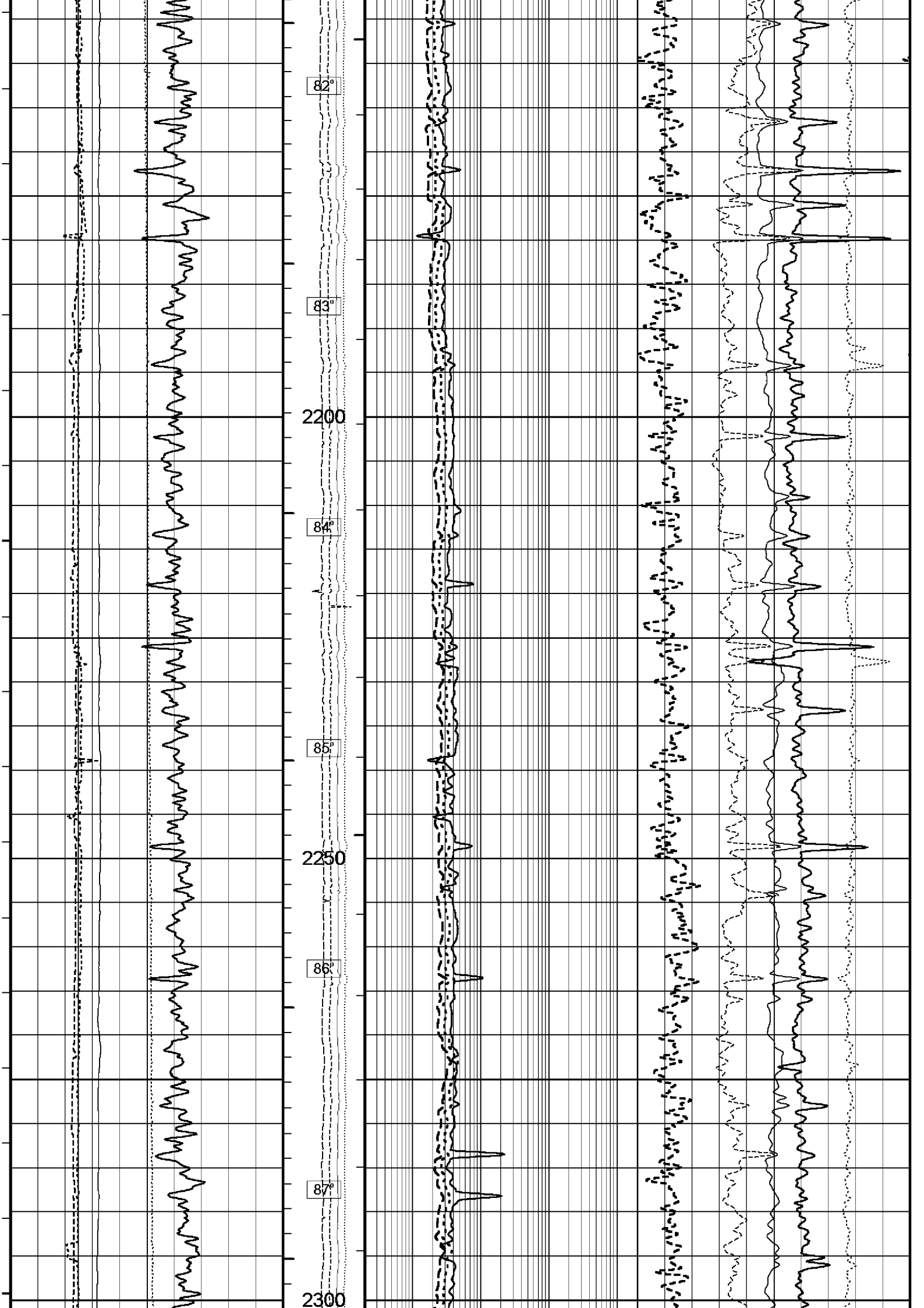


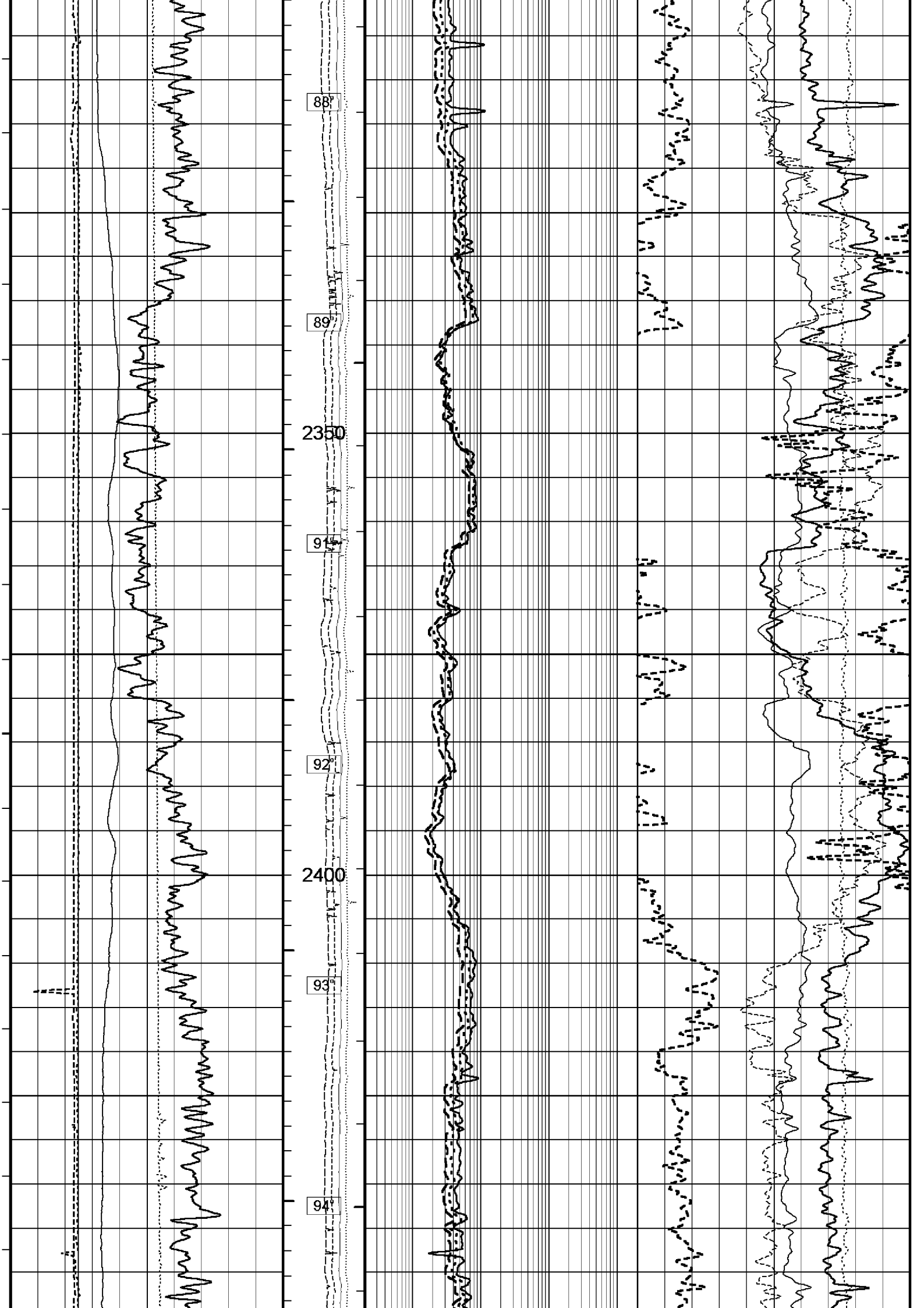


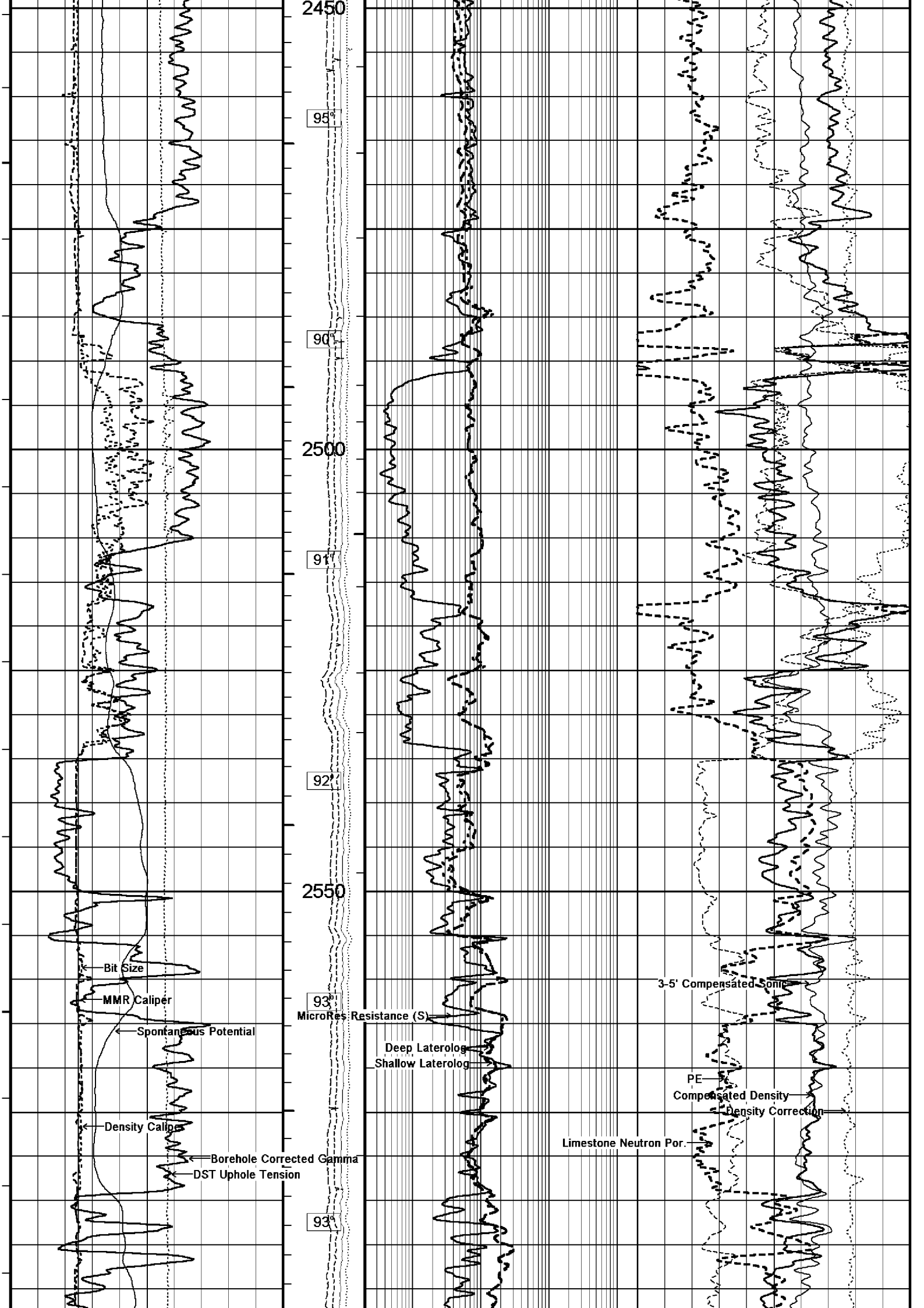


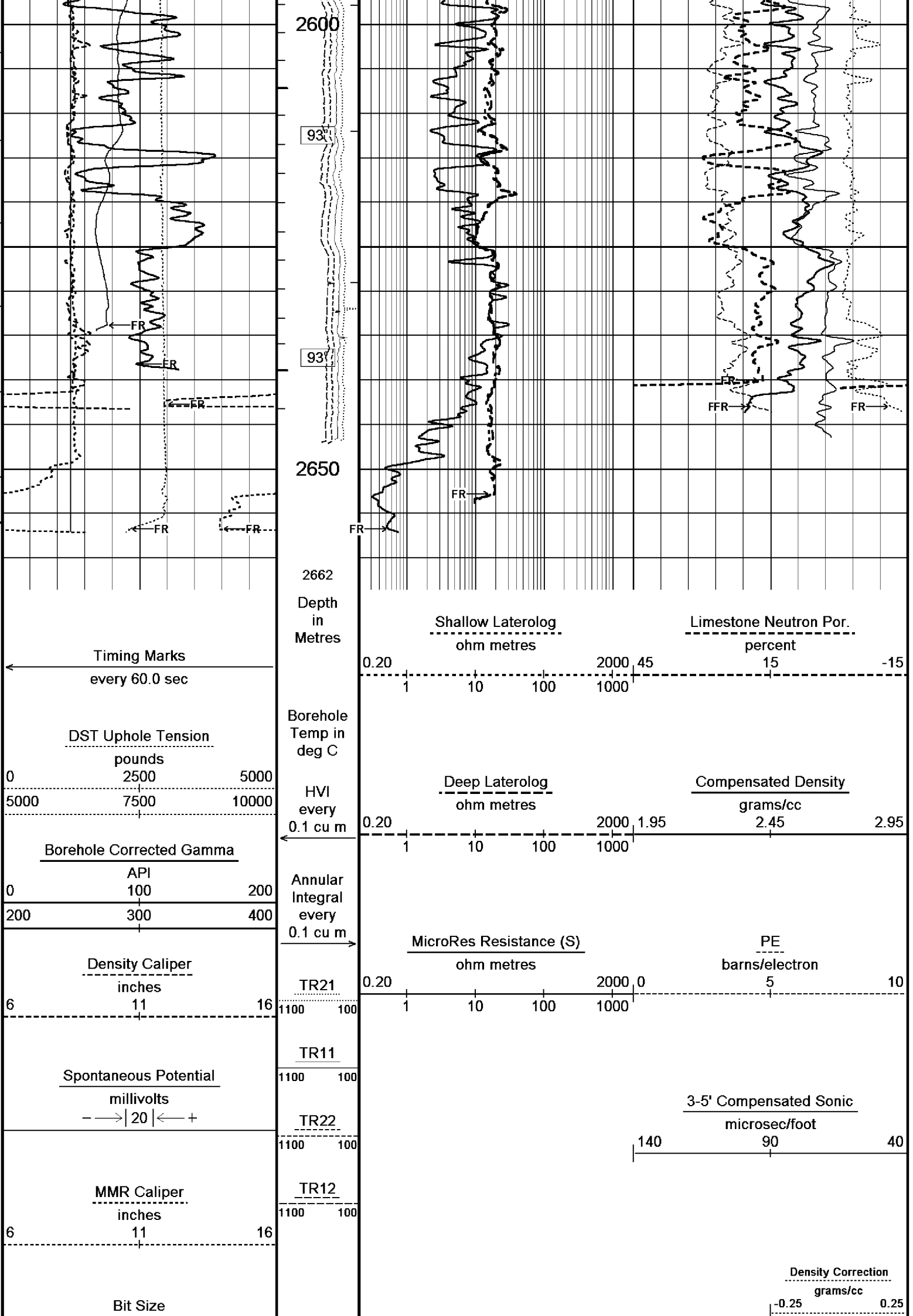


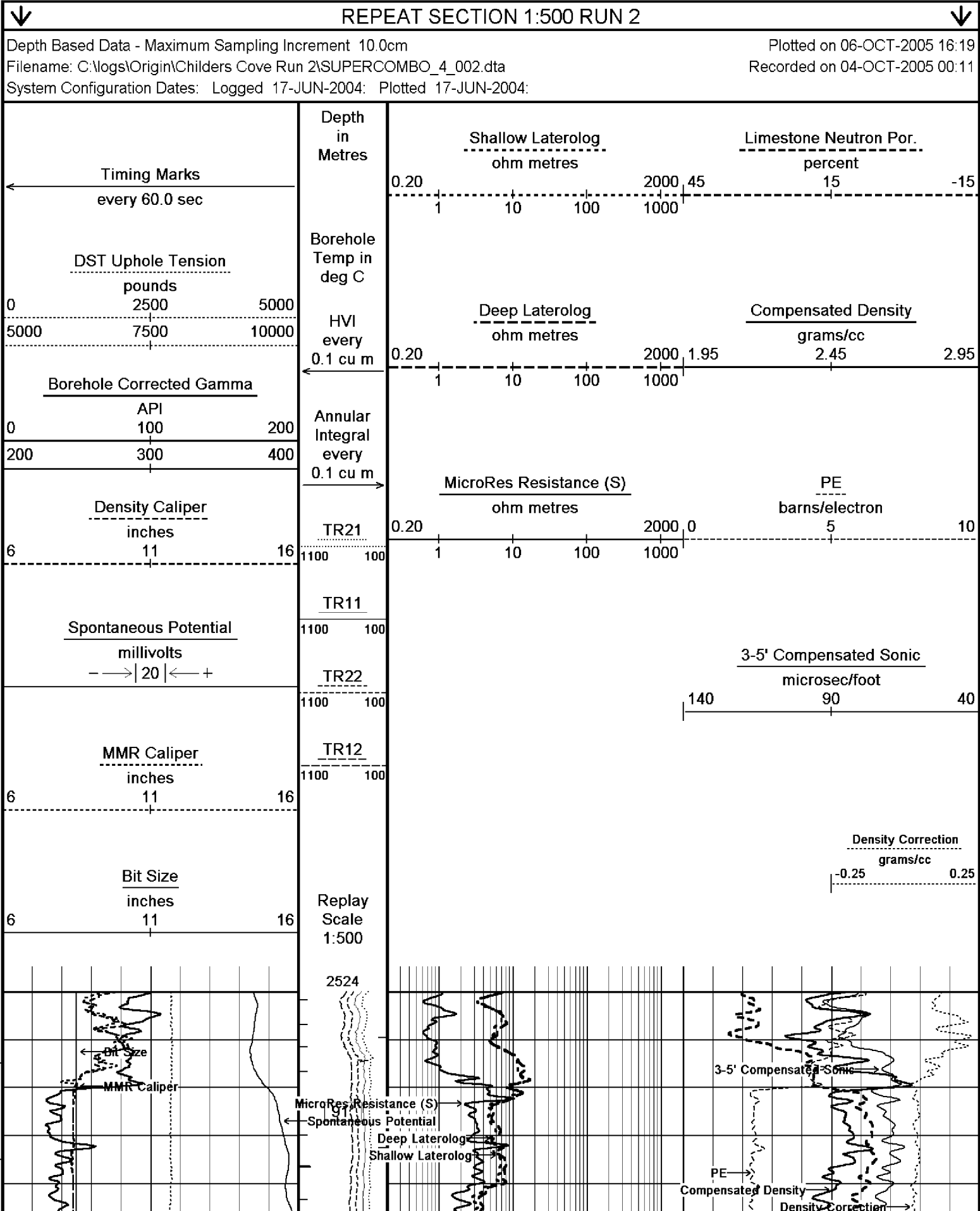


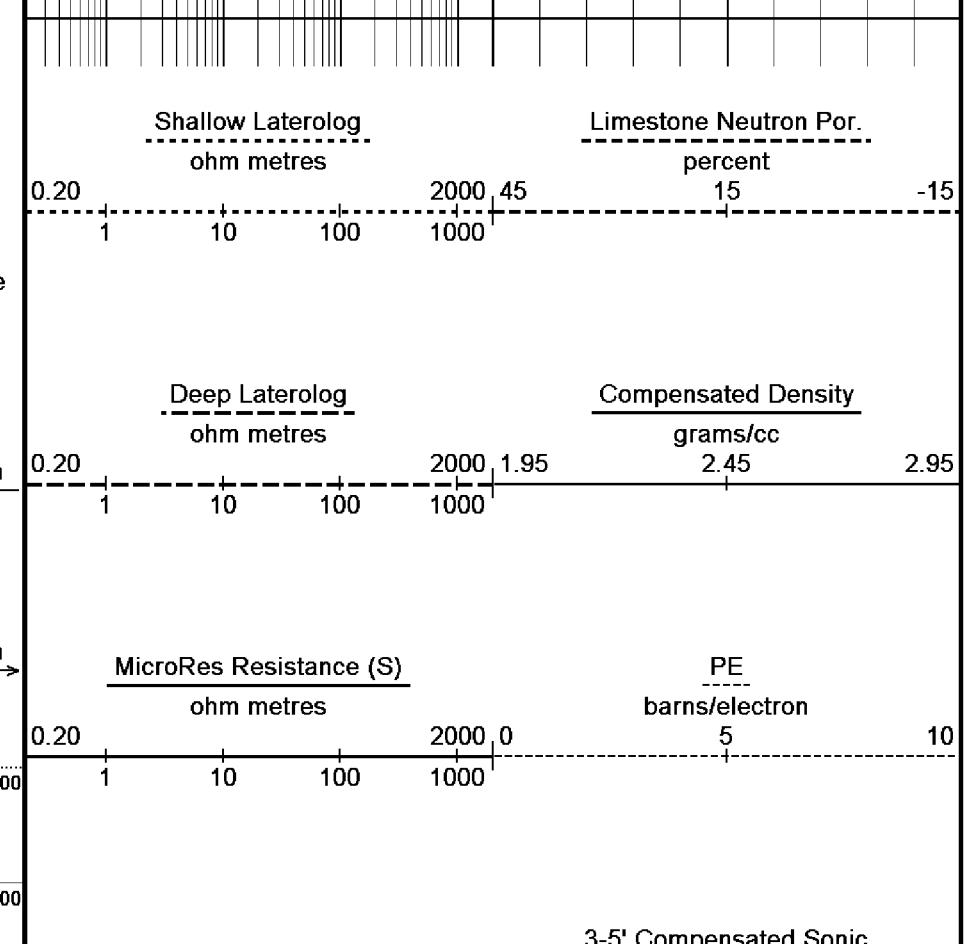
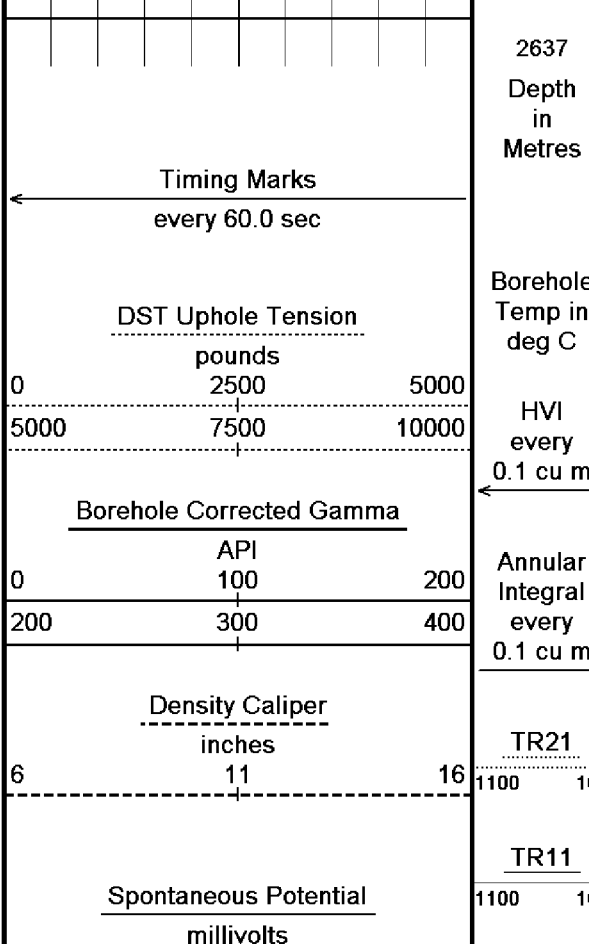
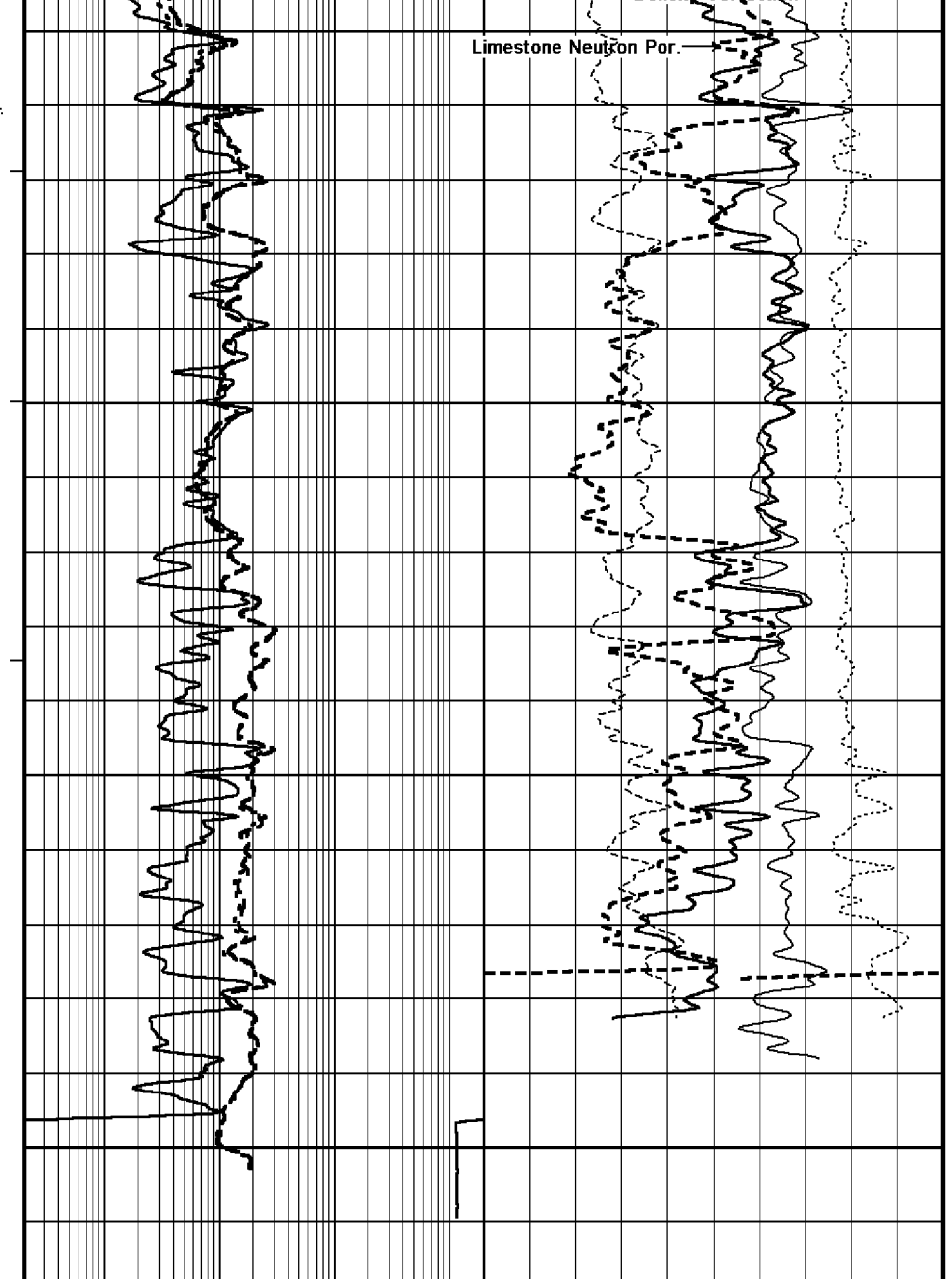
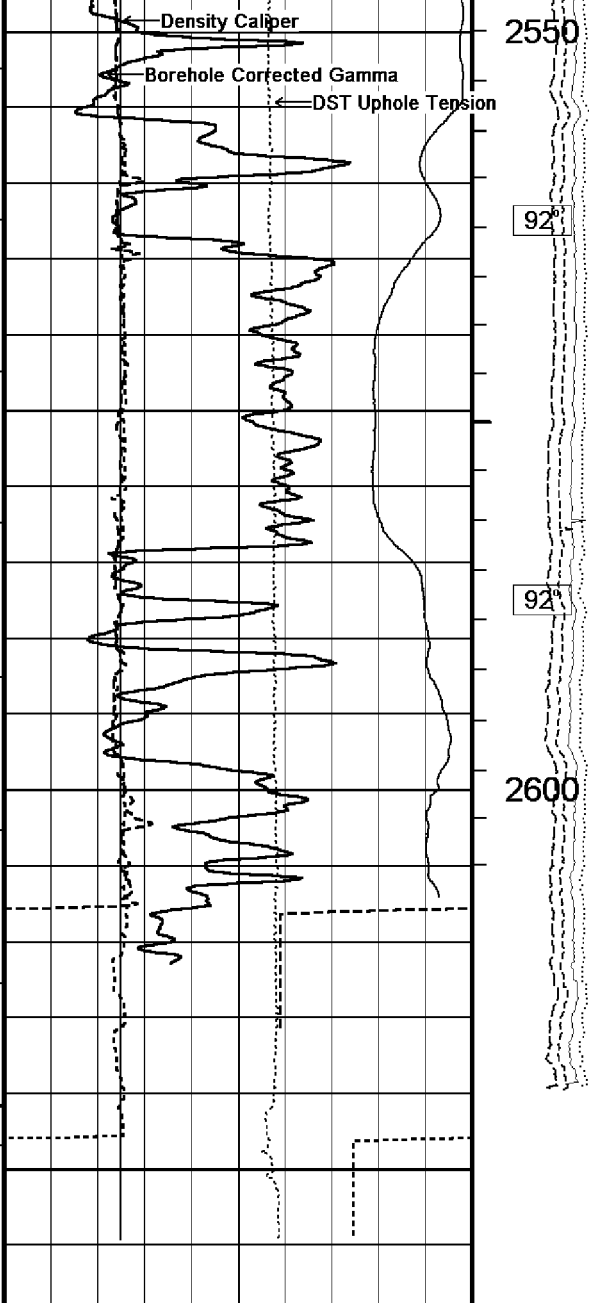


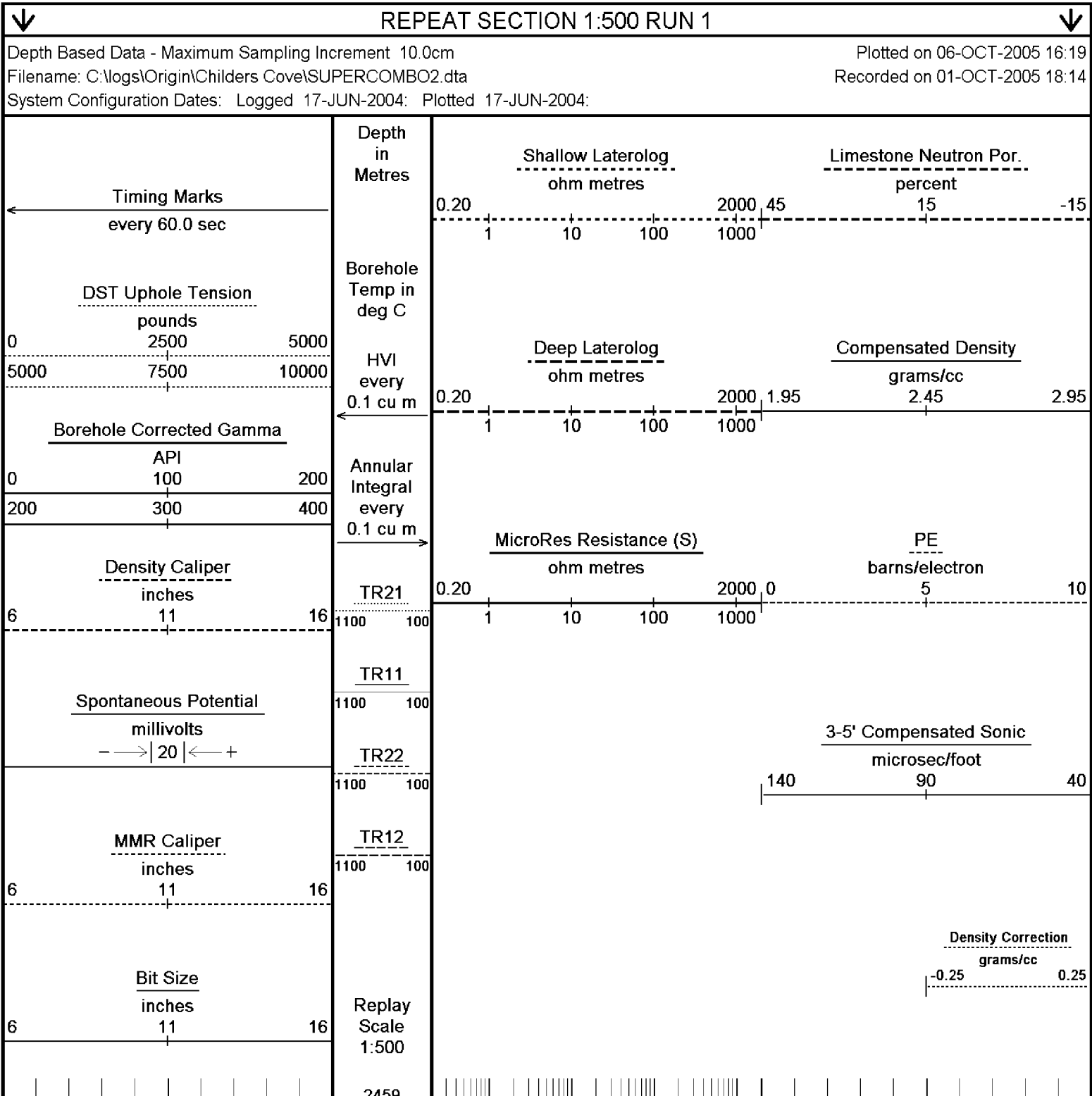
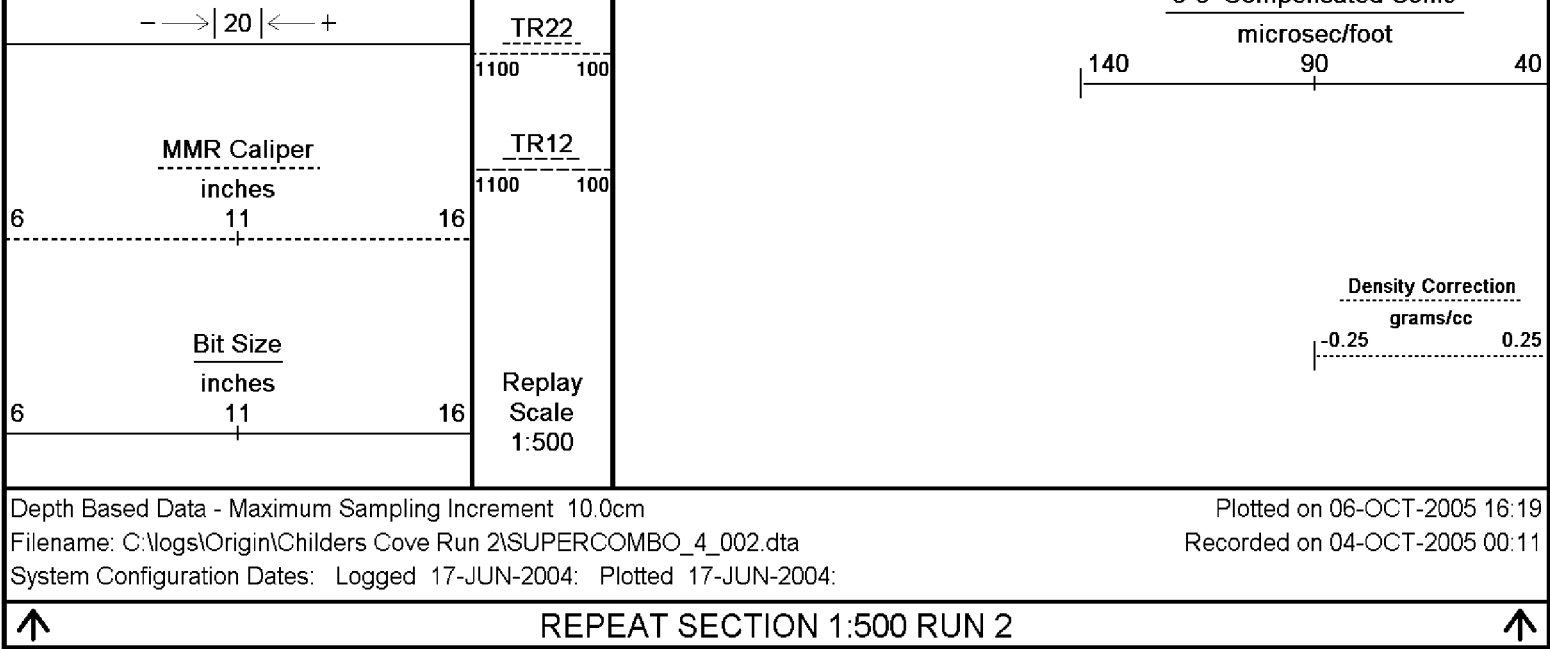


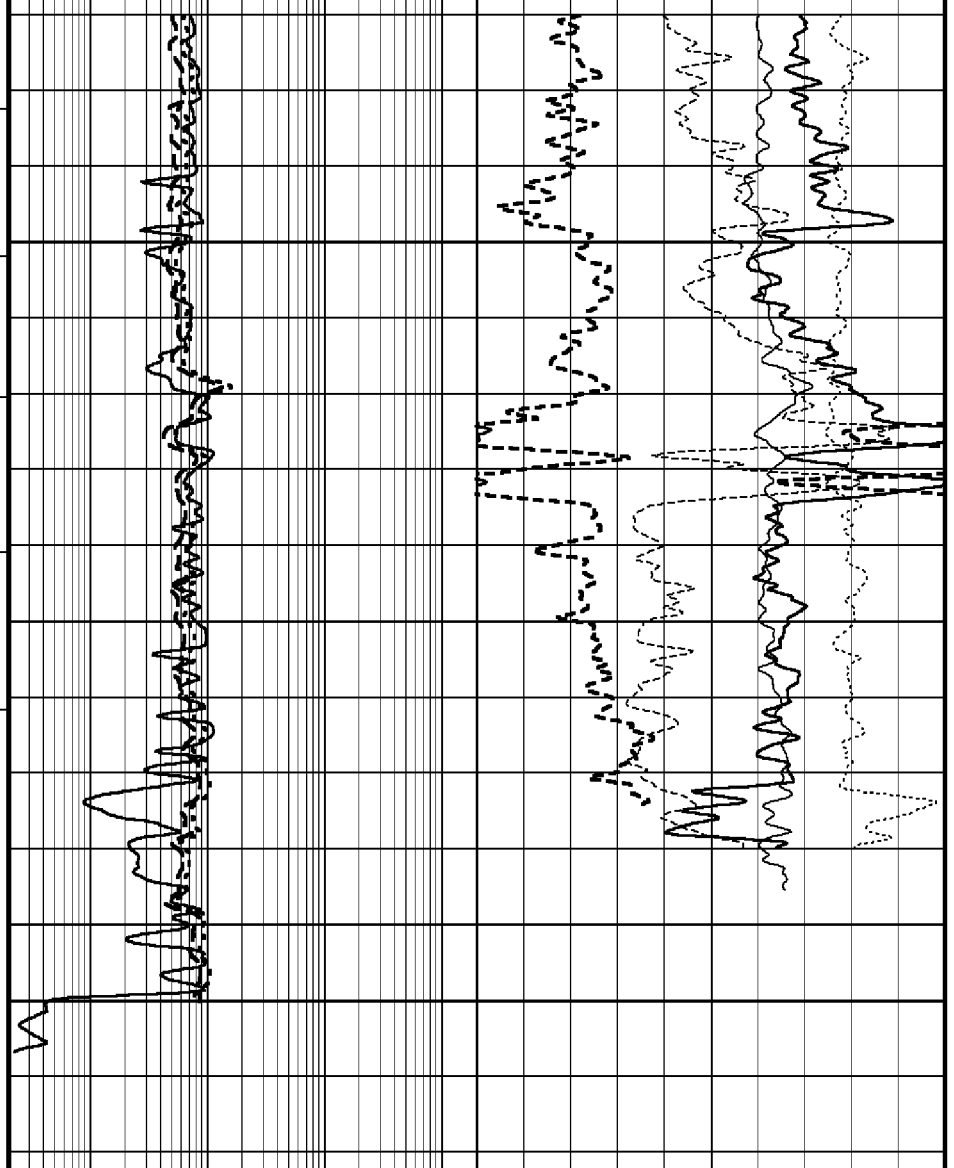
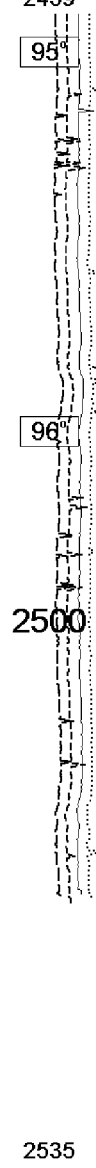
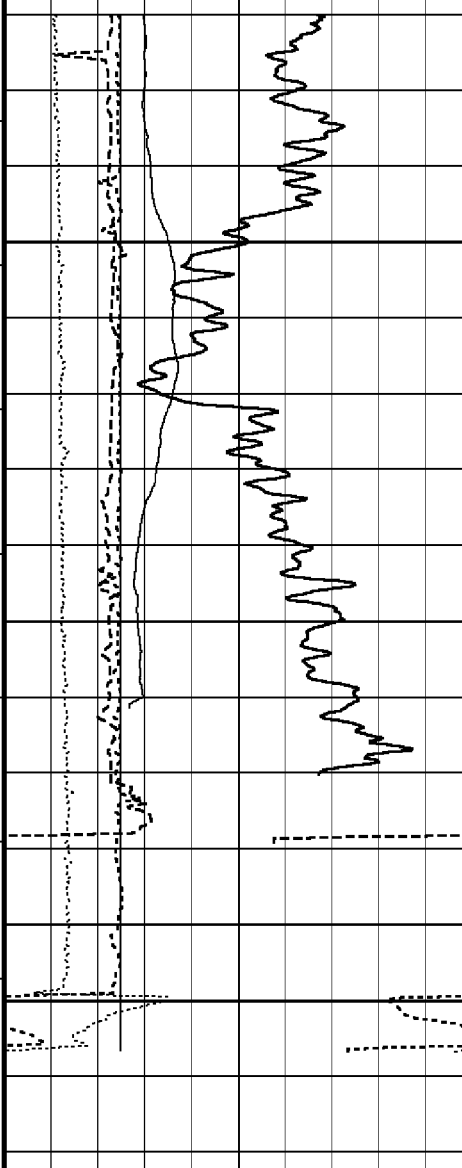












Timing Marks  
every 60.0 sec

DST Uphole Tension  
pounds  
0 2500 5000  
5000 7500 10000

Borehole Corrected Gamma  
API  
0 100 200  
200 300 400

Density Caliper  
inches  
6 11 16

Spontaneous Potential  
millivolts  
- -> | 20 | <- +

MMR Caliper  
inches

2535  
Depth  
in  
Metres

Borehole  
Temp in  
deg C  
HVI  
every  
0.1 cu m

Annular  
Integral  
every  
0.1 cu m

TR21  
1100 100

TR11  
1100 100

TR22  
1100 100

TR12  
1100 100

Shallow Laterolog  
ohm metres

Limestone Neutron Por.  
percent

0.20 1 10 100 1000 2000 45 15 -15

Deep Laterolog  
ohm metres

Compensated Density  
grams/cc

0.20 1 10 100 1000 2000 1.95 2.45 2.95

MicroRes Resistance (S)  
ohm metres

PE  
barns/electron

0.20 1 10 100 1000 2000 0 5 10

3-5' Compensated Sonic  
microsec/foot

140 90 40



6

11

16

Bit Size

inches

6

11

16

Replay

Scale

1:500

Density Correction

grams/cc

-0.25

0.25

Depth Based Data - Maximum Sampling Increment 10.0cm

Plotted on 06-OCT-2005 16:19

Filename: C:\logs\Origin\Childers Cove\SUPERCOMBO2.dta

Recorded on 01-OCT-2005 18:14

System Configuration Dates: Logged 17-JUN-2004: Plotted 17-JUN-2004:

↑

REPEAT SECTION 1:500 RUN 1

↑

DOWNHOLE EQUIPMENT

C:\logs\Origin\Childers Cove\SUPERCOMBO2.dta

Compact Stiff Bridle Electrode Sub.  
MBE 22 Length: 3.76 m Weight: 94.8 lb

Compact Stiff Bridle Electrode Sub.  
MBE 42 Length: 3.76 m Weight: 94.8 lb

Compact Gamma  
MCG 98 Length: 2.65 m Weight: 63.9 lb

Compact Neutron  
MDN 43 Length: 1.53 m Weight: 50.7 lb

Compact Density/Caliper  
MPD 66 Length: 2.92 m Weight: 90.4 lb

22.90 m SPDL - Spontaneous Potential

18.56 m GGCE - Borehole Corrected Gamma

17.67 m CGXT - MCG External Temperature

16.69 m NPRL - Limestone Neutron Por.

14.01 m AVOL - Annular Volume

14.01 m HVOL - Hole Volume

14.01 m CLDC - Density Caliper

13.80 m DEN - Compensated Density

Compact Knuckle Joint  
SKJ 3      Length: 0.66 m      Weight: 24.3 lb

Compact Sonic  
MSS 49      Length: 3.82 m      Weight: 72.8 lb

Compact Upper Guard Sub.  
MUG 20      Length: 2.74 m      Weight: 68.3 lb

Compact Laterolog Electrode Sub.  
MLE 16      Length: 3.76 m      Weight: 92.6 lb

Compact Micro-Resistivity  
MMR 5      Length: 2.62 m      Weight: 81.6 lb

Pressure Bung + Hole Finder  
HFS 3      Length: 0.28 m      Weight: 6.6 lb

Total      Length: 28.50 m      Weight: 740.8 lb

13.80 m      DCOR - Density Correction  
13.78 m      PDPE - PE

9.24 m      TR21 - 3' Transit Time  
9.24 m      TR22 - 5' Transit Time  
9.24 m      TR11 - 4' Transit Time  
9.24 m      DT35 - 3-5' Compensated Sonic

9.24 m      TR12 - 6' Transit Time

3.93 m      DSLL - Shallow Laterolog  
3.93 m      DDLL - Deep Laterolog

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

All measurements relative to tool zero.

## BEFORE SURVEY CALIBRATION

C:\logs\Origin\Childers Cove Run 2\SUPERCOMBO\_COMBINED\_MAIN\_LOG.dta

### General Constants All 000

#### General Parameters

Mud Resistivity	3.210	ohm-metres
Mud Resistivity Temperature	20.000	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	Limestone Sonic Porosity
Resistivity used	Deep Laterolog
RWA Constant A	0.610
RWA Constant M	2.150

Gamma Calibration MCG 098		Field Calibration on 3-OCT-2005,19:46	
	Measured	Calibrated (API)	
Background	29	22	
Calibrator (Gross)	1029	771	
Calibrator (Net)	1000	749	

Gamma Constants MCG 098			
Gamma Calibrator Number	30		
Mud Density	1.16	gm/cc	
Caliper Source for Processing	Density Caliper		
Tool Position	Eccentred		
Concentration of KCl	0.00	kppm	

High Resolution Temperature Calibration MCG 098		Field Calibration on 3-OCT-2005,20:14	
	Measured	Calibrated(Deg C)	
Lower	0.00	0.00	
Upper	100.00	100.00	

High Resolution Temperature Constants MCG 098	
Pre-filter Length	11

Neutron Calibration MDN 043		Base Calibration on 22-AUG-2005 15:53	
		Field Check on 3-OCT-2005,20:14	
Base Calibration			
	Measured	Calibrated (cps)	
	Near Far	Near Far	
	3021 94	3714 110	
Ratio	32.071	33.764	
Field Calibrator at Base		Calibrated (cps)	
		1674 2333	
Ratio		0.717	
Field Check		Calibrated (cps)	
		1647 2293	
Ratio		0.718	

Neutron Constants MDN 043			
Neutron Source Id	NSNE-747		
Neutron Jig Number	31		
Epithermal Neutron	No		
Caliper Source for Processing	Density Caliper		
Stand-off	0.00	inches	
Mud Density	1.16	gm/cc	
Limestone Sigma	7.10	cu	
Sandstone Sigma	4.26	cu	
Dolomite Sigma	4.70	cu	
Formation Pressure Source	Constant Value		
Formation Pressure	0.00	kpsi	
Temperature Source	Constant Value		
Temperature	20.00	degrees C	
Mud Salinity	11.57	kppm	
Formation Fluid Salinity Source	Constant Value		
Formation Fluid Salinity	0.00	kppm	
Barite Mud Correction	Not Applied		

Photo Density Calibration MPD 066		Base Calibration on 22-AUG-2005,12:13	
		Field Check on 3-OCT-2005,20:15	
Density Calibration			
Base Calibration			
	Measured	Calibrated (sdu)	
	Near Far	Near Far	
Reference 1	49825 17938	53111 19310	
Reference 2	23308 2480	24951 2530	
Field Check at Base			
	918.0 1089.7		
Field Check			

Field Check 919.8 1086.8

PE Calibration

Base Calibration

	WS	Measured WH	Ratio	Calibrated Ratio
Background	176	793		
Reference 1	15856	49650	0.321	0.320
Reference 2	6240	23176	0.271	0.273

Field Check at Base

176.0	793.2
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Field Check

173.6	795.1
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Density Constants MPD 066

Density Source Id	NSDL250	
Nylon Calibrator Number	DNC-D-536	
Aluminium/Fe Calibrator Number	DAC-D-536	
Density Shoe Profile	8 inch	
Caliper Source for Processing	Density Caliper	
PE Correction to Density	Not Applied	
Mud Density	1.16	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

Caliper Calibration MPD 066

Base Calibration on 22-AUG-2005 11:11  
Field Calibration on 3-OCT-2005,20:15

Base Calibration

Reading No	Measured	Calibrator Size (in)
1	11983	4.01
2	20446	5.99
3	29120	7.98
4	37568	9.94
5	47008	12.01
6	N/A	N/A

Field Calibration

Measured Caliper (in)	Actual Caliper (in)
8.91	8.92

Sonic Constants MSS 049

Maximum Boundary Contrast	100.00	micro-sec/ft
Fluid Transit Time	189.00	micro-sec/ft
Limestone Transit Time	47.50	micro-sec/ft
Sandstone Transit Time	55.50	micro-sec/ft
Dolomite Transit Time	43.50	micro-sec/ft
Sonic used for Porosities	3-5' Compensated	
Correction for Sonde Skew	Applied	
Cycle Stretch Algorithm	Applied	
MN3FT	0.00	micro-sec
MX3FT	1500.00	micro-sec

Fixed Gate Parameters

Start Time (micro-sec)	End Time (micro-sec)	Discriminator (mV)	Depth (m)
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	0.00	0.00	0.00

## Down Hole Fixed Gate Parameters

Gate Start	0.00	micro-sec
Gate Width	0.00	micro-sec
Initial Discriminator Level	0.0000	mVolts

## Full Waveform Parameters

Use 3' Waveform to derive TR	No	
Use 4' Waveform to derive TR	No	
Use 5' Waveform to derive TR	No	
Use 6' Waveform to derive TR	No	
3' Waveform Discriminator Level	0.30	mV
4' Waveform Discriminator Level	0.30	mV
5' Waveform Discriminator Level	0.15	mV
6' Waveform Discriminator Level	0.15	mV
3' Waveform Filter	0	
4' Waveform Filter	0	
5' Waveform Filter	0	
6' Waveform Filter	0	
Semblance Level	0.50	
Semblance Window Width	120.00	micro-sec
Sonic 1 Despiker	100.00	micro-sec/ft
Sonic 2 Despiker	100.00	micro-sec/ft

## Laterolog Calibration MLE 016

Base Calibration on 24-AUG-2005 11:54

Field Check on 3-OCT-2005,20:15

## Base Calibration

Channel	Measured		Calibrated (ohm-m)	
	Resistor 1	Resistor 2	Resistor 1	Resistor 2
Shallow	9.7	965.7	13.3	1327.3
Deep	9.7	966.0	8.5	852.7
Groningen	9.7	966.3	8.5	852.7

Channel	Base Check (ohm-m)	Field Check (ohm-m)
Shallow	49.4	49.4
Deep	31.7	31.7
Groningen	253.9	253.9

## Laterolog Constants MLE 016

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	None	

## SP Calibration MLE 016

Field Calibration on 3-OCT-2005,20:16

	Measured	Calibrated (mV)
Reference 1	93.1	100.0
Reference 2	-114.1	-100.0

## Micro Laterolog Calibration MMR 005

Base Calibration on 24-AUG-2005 09:35

Field Check on 3-OCT-2005,20:16

## Base Calibration

	Measured		Calibrated (ohm-m)	
	Ref 1	Ref 2	Ref 1	Ref 2
	0.0	9744.7	0.0	196.0

Base Check (ohm-m)	Field Check (ohm-m)
8.1	8.0

## Micro Laterolog Constants MMR 005

Micro Laterolog K Factor	0.0196	
Standoff Offset	0.0000	inches

COMPANY

ORIGIN ENERGY RESOURCES LIMITED

WELL

CHILDERS COVE 1

FIELD

ONSHORE OTWAY BASIN

PROVINCE/COUNTY

VICTORIA

COUNTRY/STATE

AUSTRALIA

COUNTRY/STATE AUSTRALIA

Elevation Kelly Bushing	51.50	metres	First Reading	2656.80	metres
Elevation Drill Floor		metres	Depth Driller	2658.00	metres
Elevation Ground Level	46.20	metres	Depth Logger	2656.80	metres



DLL - SLL - MLL - SONIC  
DENSITY - NEUTRON  
1:500