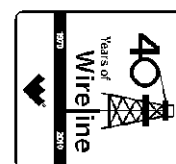


**Weatherford****COMPOSITE LOG****TREK RESOURCES, INC****DAY 15-4****BRAMAN, N****SUMNER****U.S.A. / KANSAS****330' FSL & 330' FWL**

COMPANY

WELL

FIELD

PROVINCE/COUNTY

COUNTRY/STATE

LOCATION

SEC

15

API Number

Permit Number

Permanent Datum GL, Elevation 1122 feet

Log Measured From KB

Drilling Measured From KB

Date

Run Number

Depth Driller

Depth Logger

First Reading

Last Reading

Casing Driller

Casing Logger

Bit Size

Hole Fluid Type

Density / Viscosity

PH / Fluid Loss

Sample Source

Rm @ Measured Temp

Rmf @ Measured Temp

Rmc @ Measured Temp

Source Rmf / Rmc

Rm @ BHT

Time Since Circulation

Max Recorded Temp

Equipment Name

Equipment / Base

Recorded By

Witnessed By

06-MAY-2012

ONE

3889.00

3879.00

3876.00

257.00

256.00

257.00

7.875

WBM

9.30

9.00

PIT

1.0 @ 70.0

0.80 @ 70.0

1.20 @ 70.0

CALC

0.61 @ 118.0

6 HOURS

118.00

COMPACT

13039

B. BROWN

S. HASH

feet

KB

DF

GL

1132.00

1130.00

1122.00

58.00

CP

10.80

ml/30Min

ohm-m

ohm-m

ohm-m

CALC

ohm-m

deg F

OKC

BOREHOLE RECORD

Last Edited: 06-MAY-2012 02:12

Bit Size
inchesDepth From
feetDepth To
feet

7.875

256.00

3889.00

CASING RECORD

Type

Size
inchesDepth From
feetShoe Depth
feetWeight
pounds/ft

SURFACE

7.875

0.00

256.00

23.00

REMARKS

TOOLS RAN: SHA, MCG, MML, MDN, MPD, MFE, MAI RAN IN COMBINATION

HARDWARE: MAI: TWO 0.5 INCH STANDOFFS USED.

MFE: ONE 0.5 INCH STANDOFF USED

MDN: DUAL NEUTRON BOW SPRINGS USED.

MPD: 8 INCH PROFILE PLATE USED.

2.71 G/CC DENSITY MATRIX USED TO CALCULATE POROSITY

ALL INTERVALS LOGGED AND SCALED PER CUSTOMER'S REQUEST.

TOTAL HOLE VOLUME FROM TD TO SC' = 1600 CU.FT.

ANNULAR HOLE VOLUME WITH 5.5 INCH PRODUCTION CASING FROM TD TO SC' = 1000 CU.FT.

SERVICE ORDER # 3534375

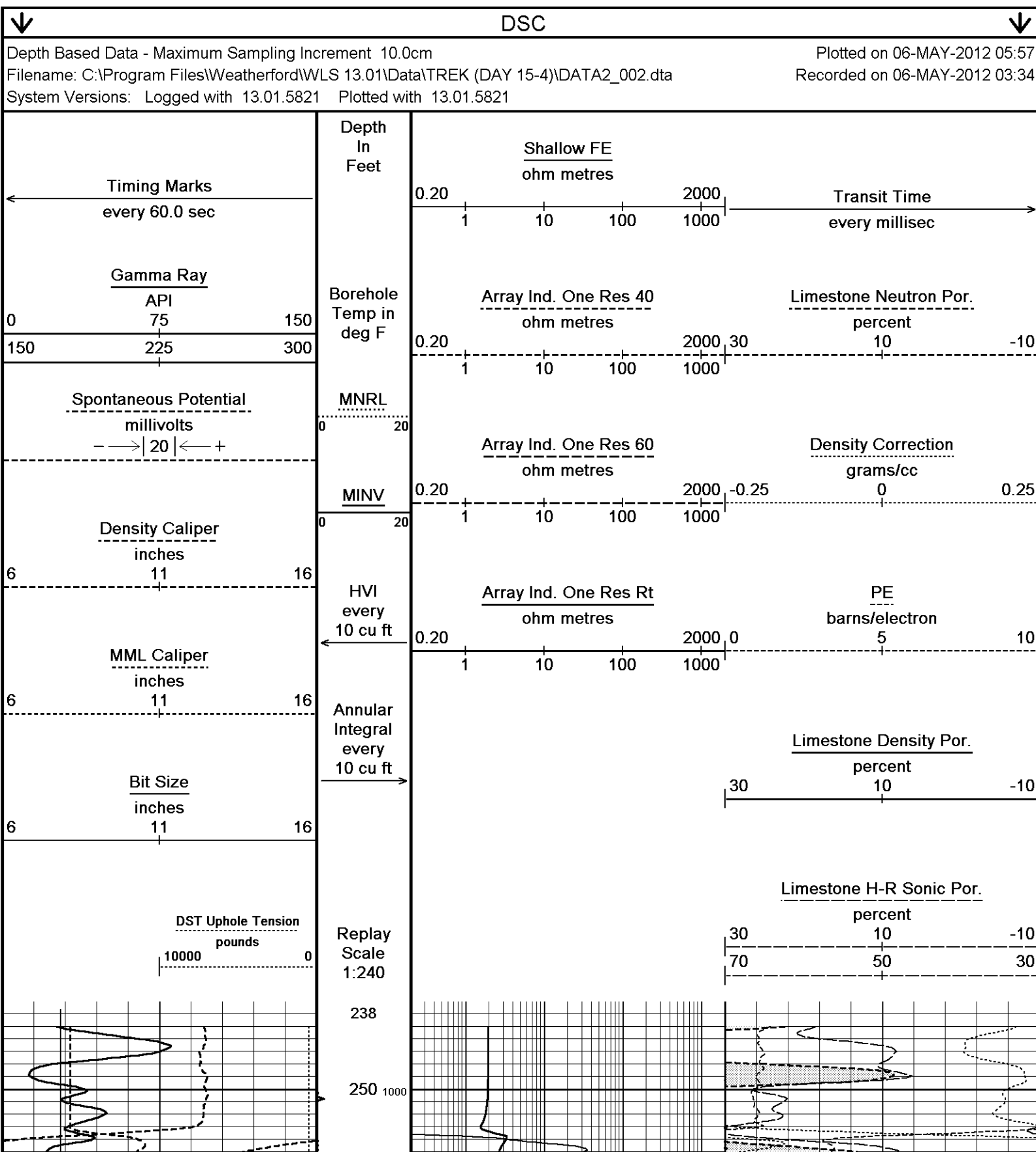
RIG: BERENTZ #5

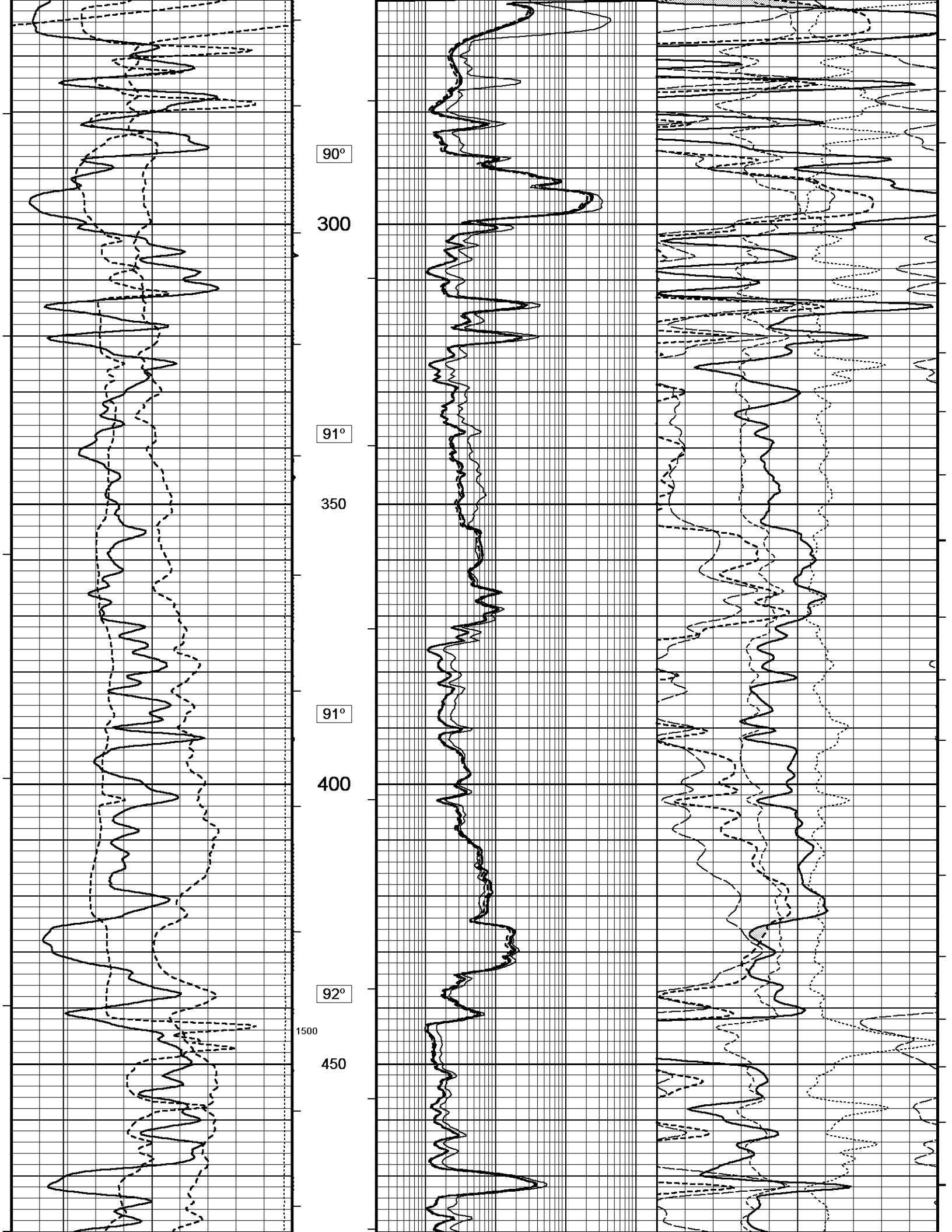
OPERATOR(S): K. CHAFFIN

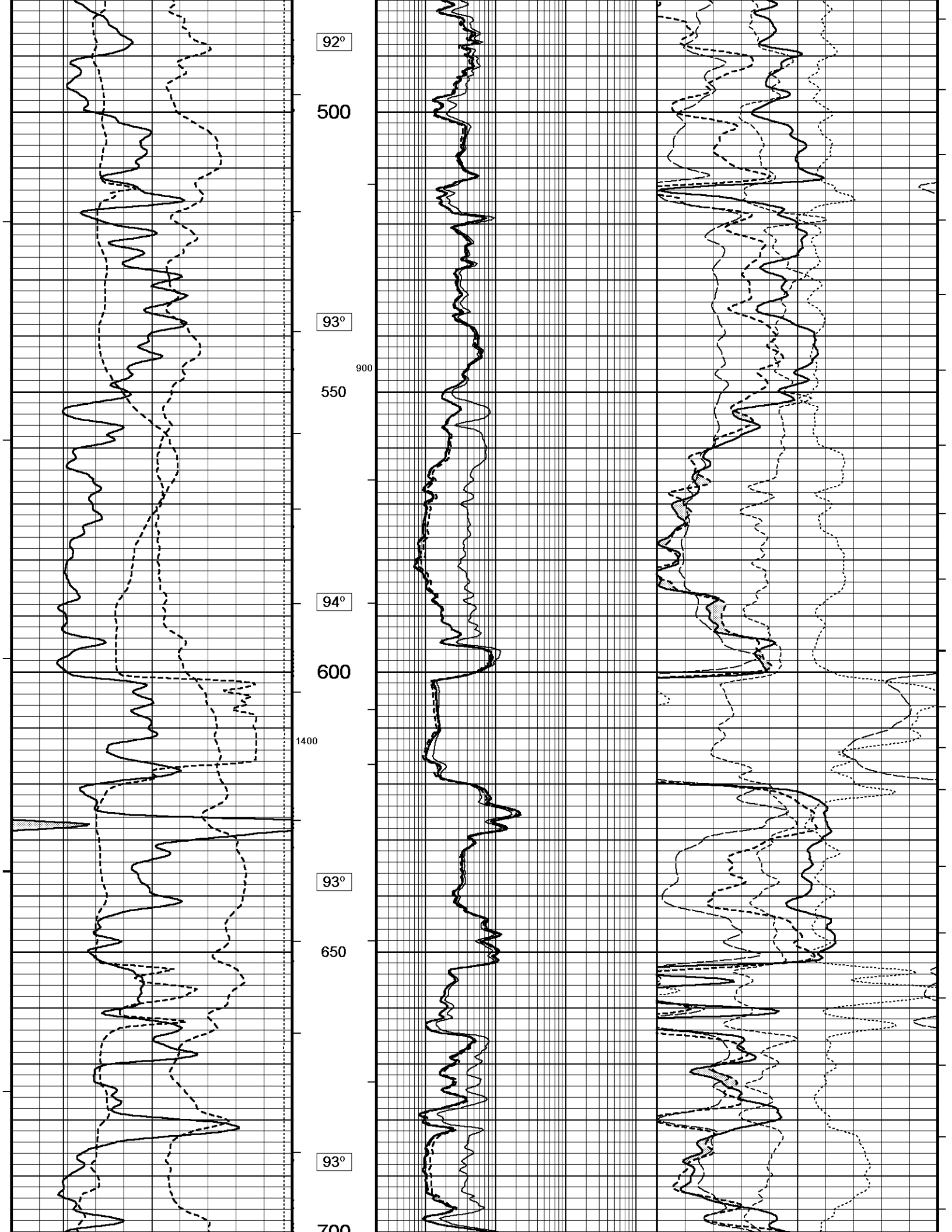
HOLE RUGOSITY AND WASHOUTS WILL AFFECT LOG QUALITY AND REPEATABILITY

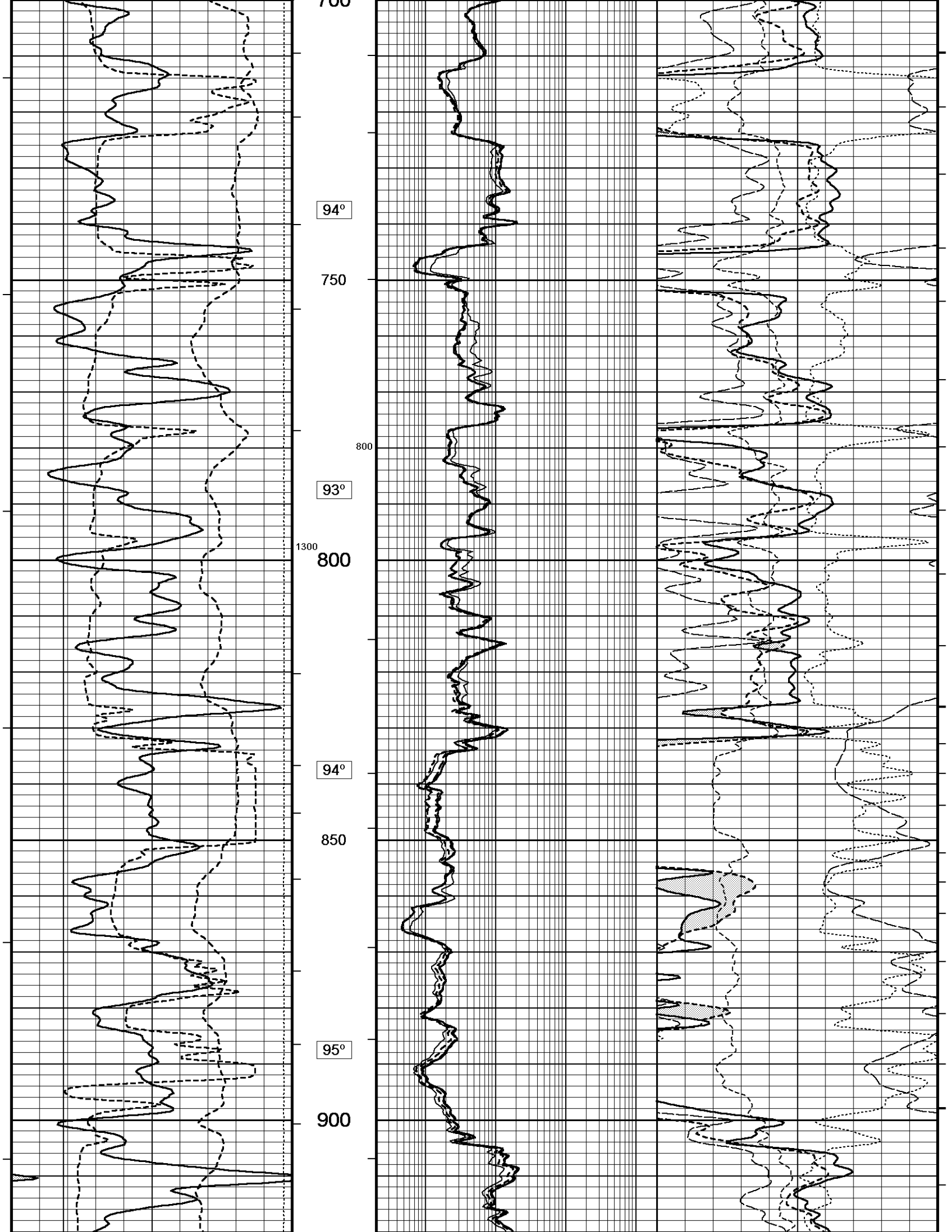
LCM AND/OR GAS BUBBLES IN MUD COLUMB WILL AFFECT SONIC DATA QUALITY AND REPEATABILITY

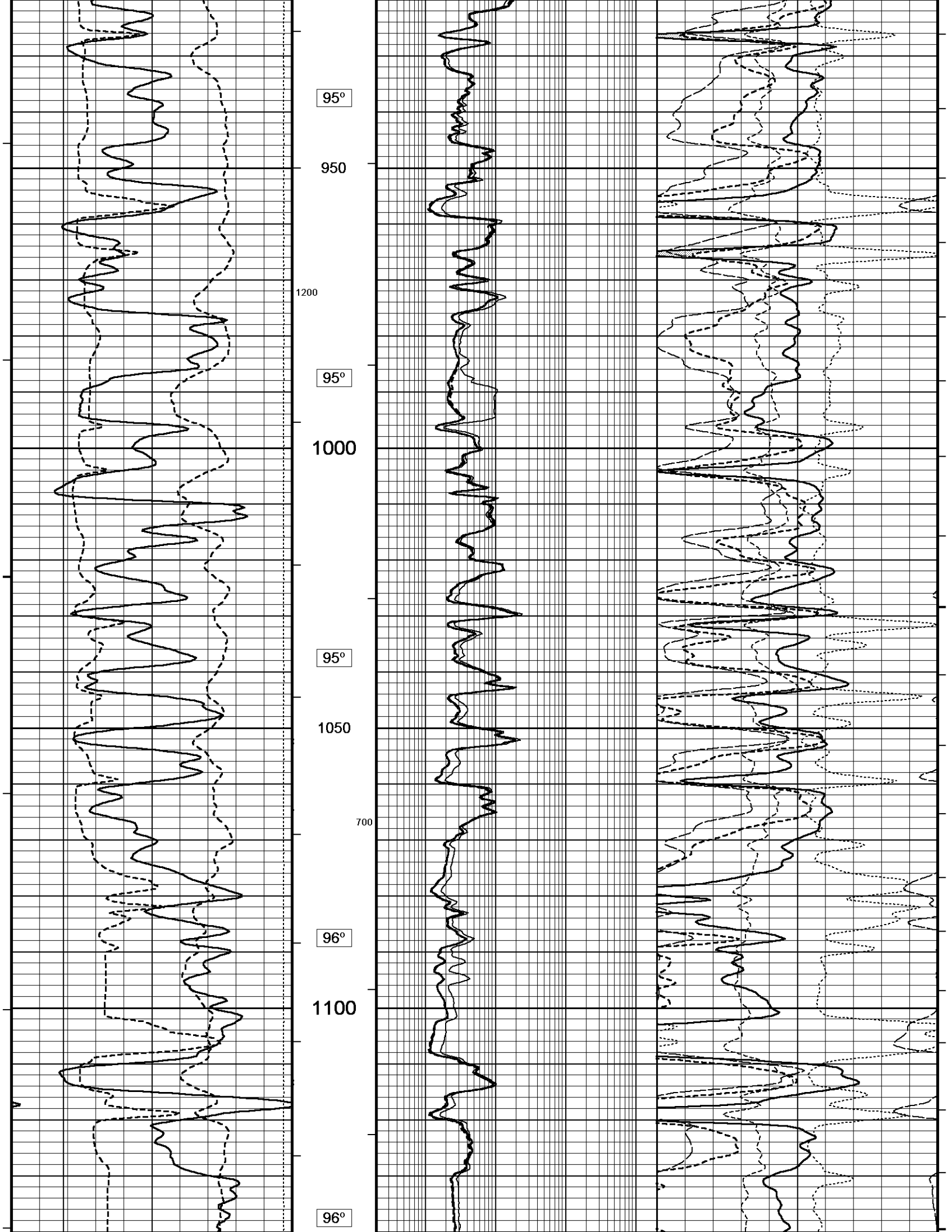
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs,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

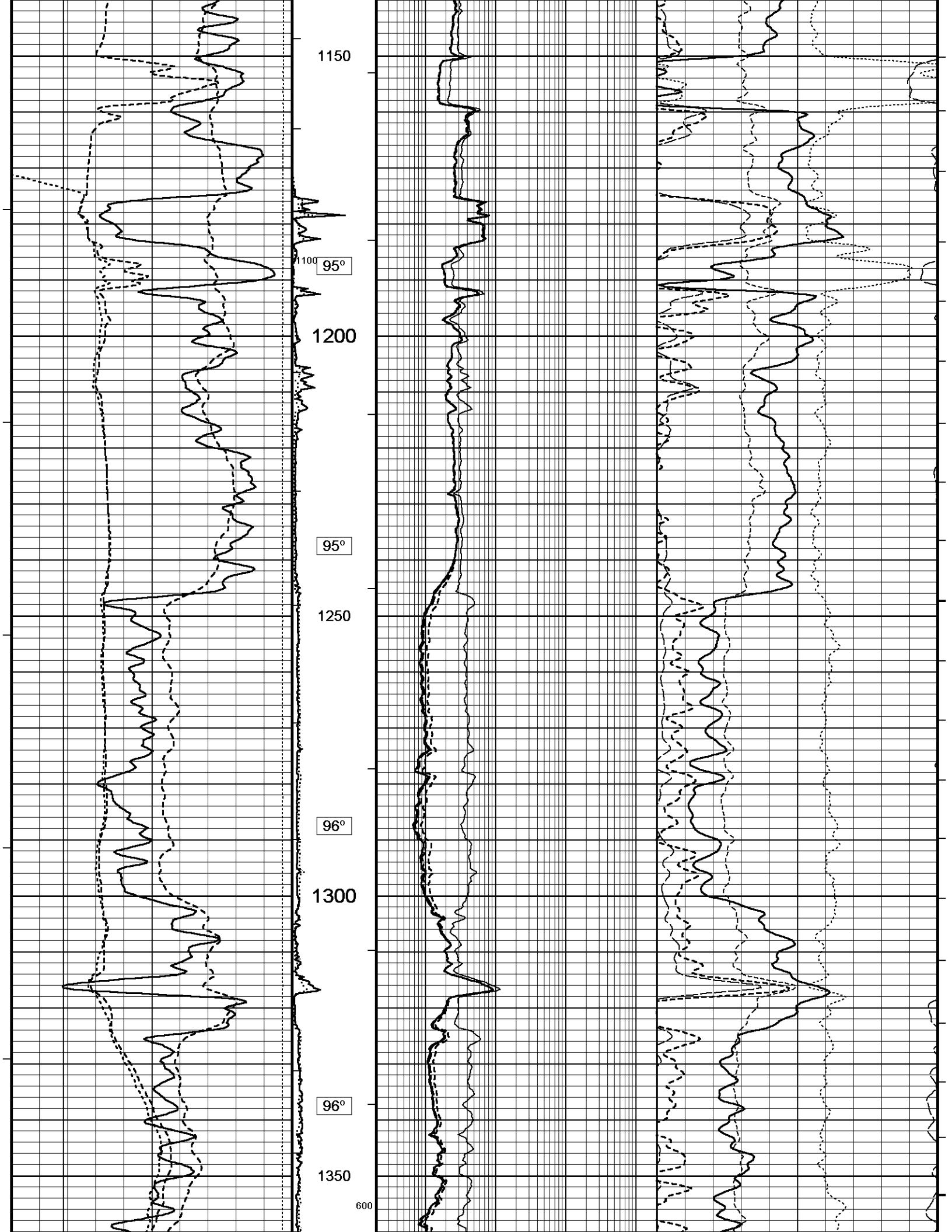


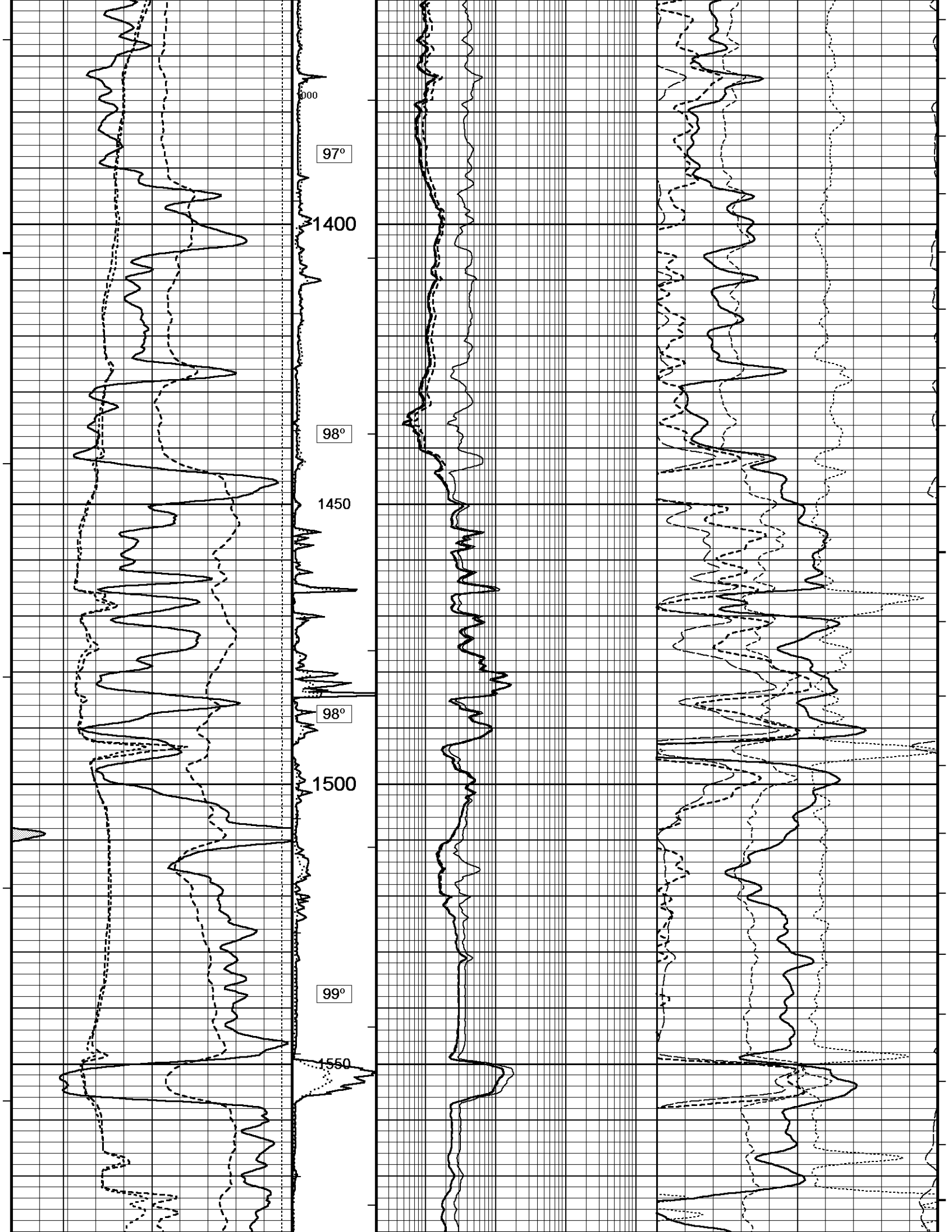


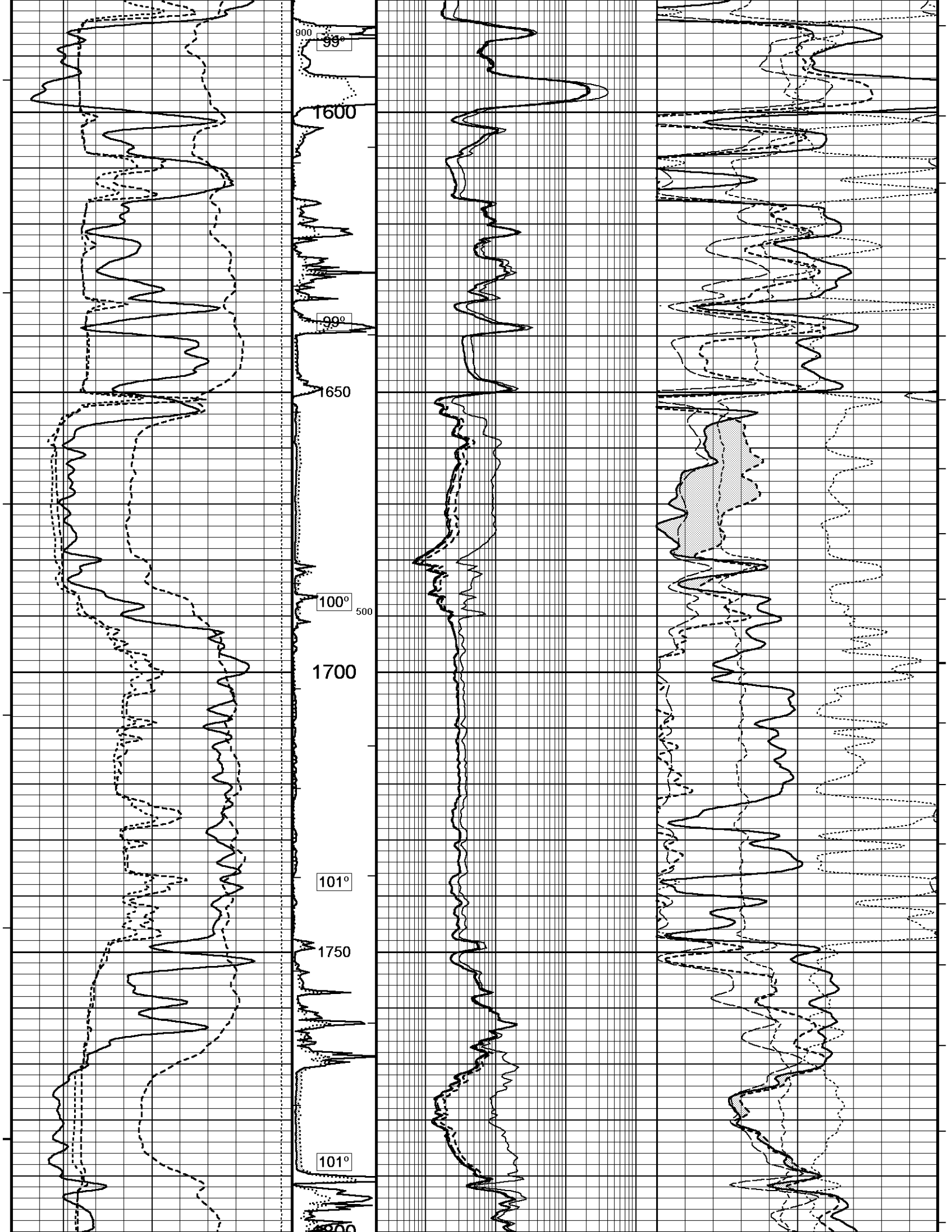


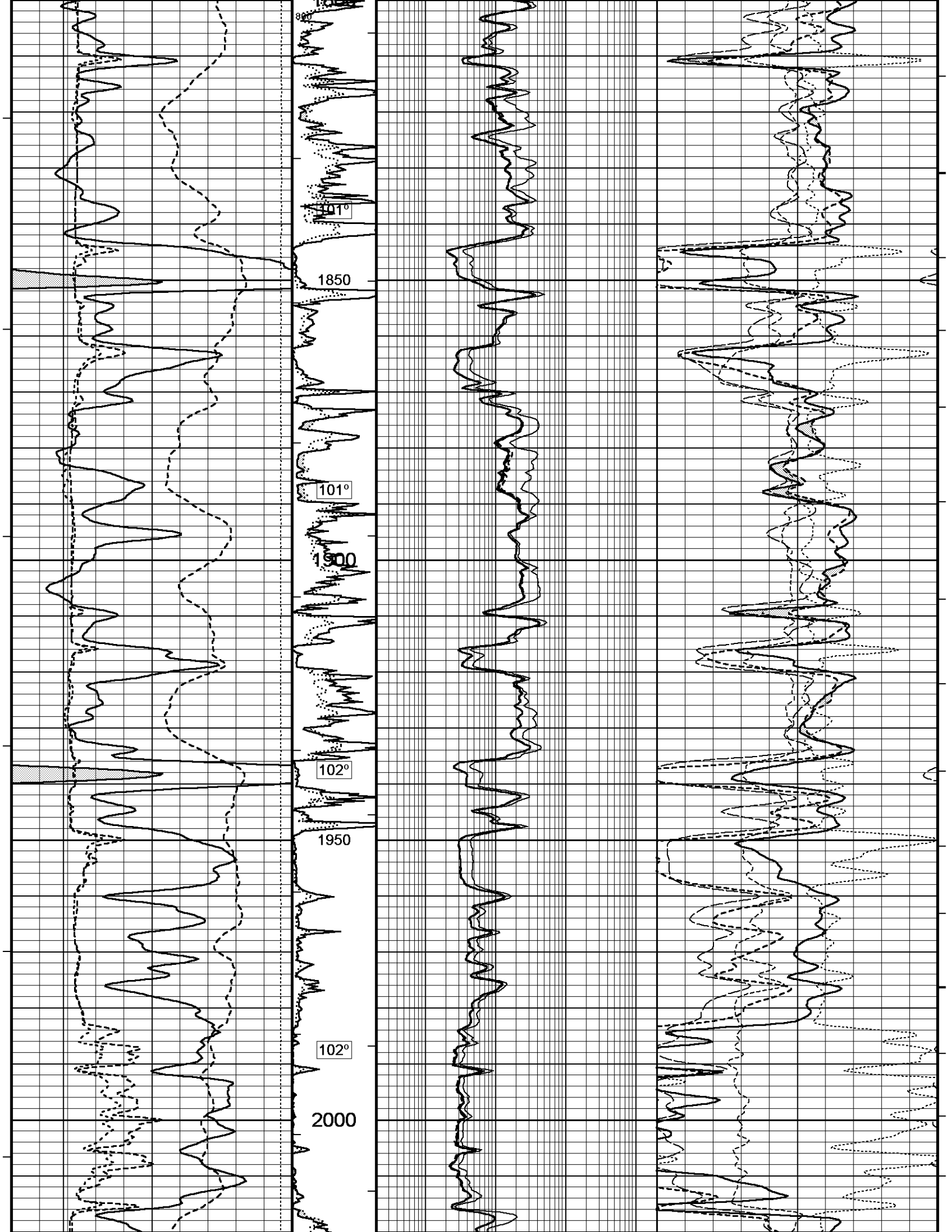


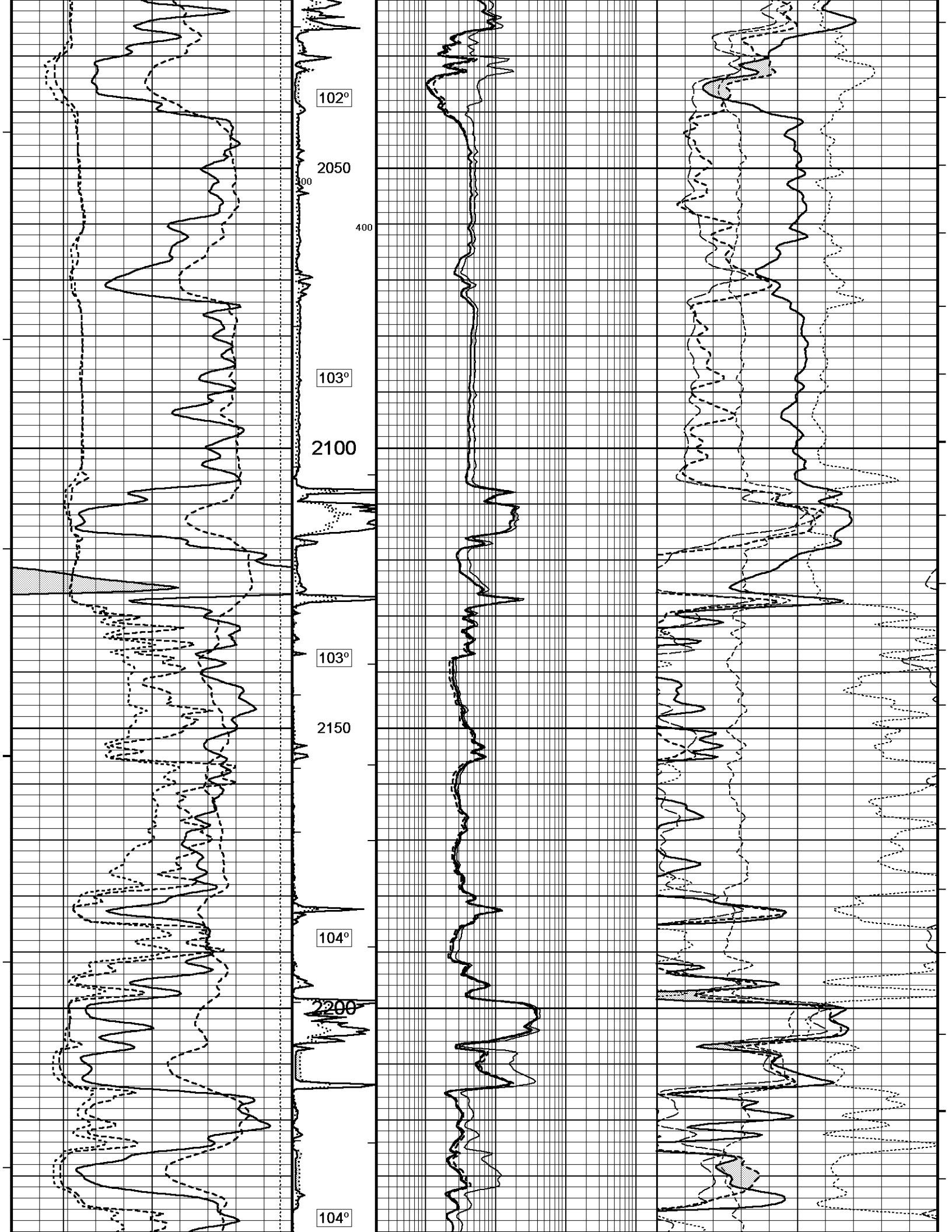


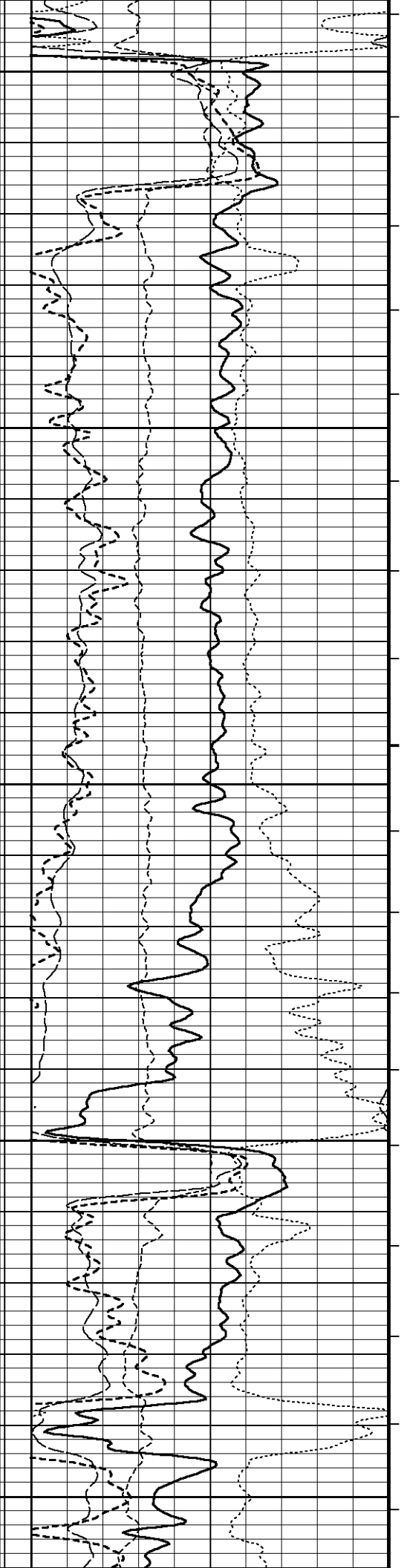
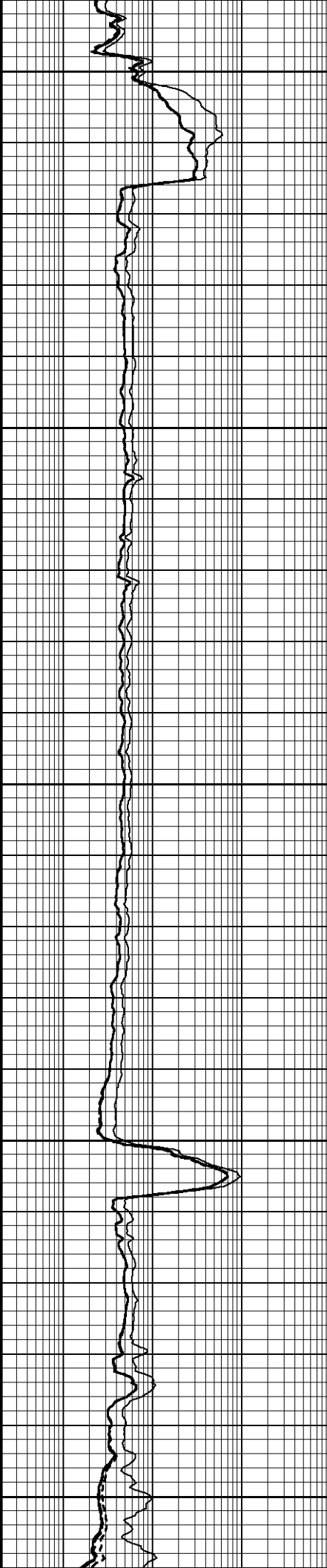
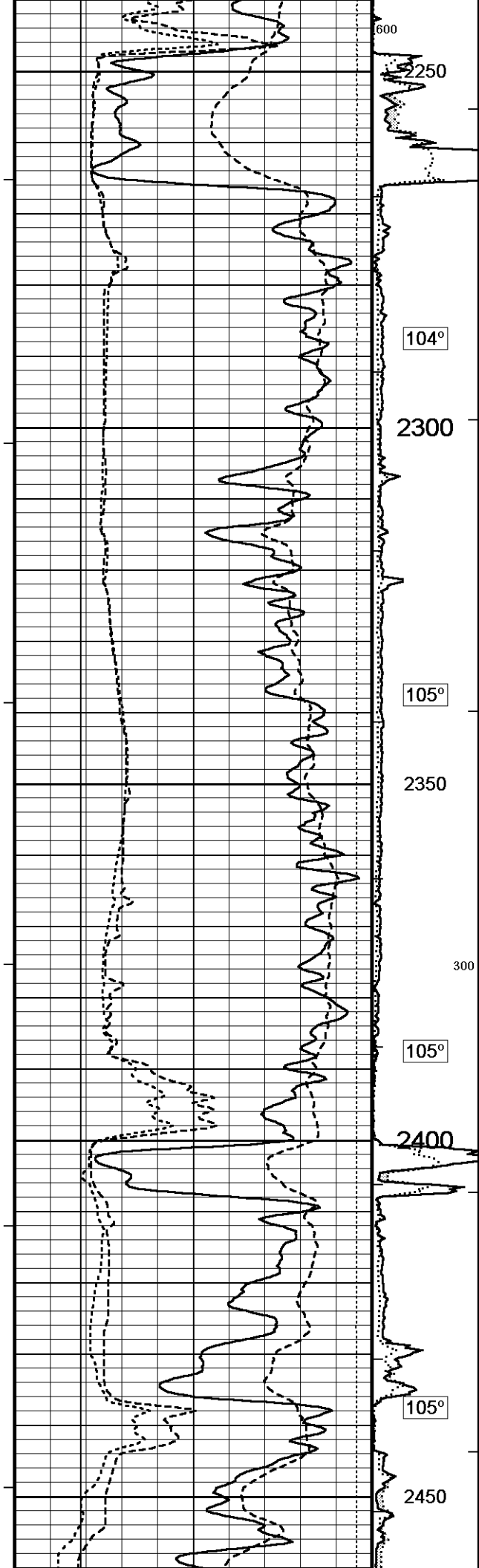


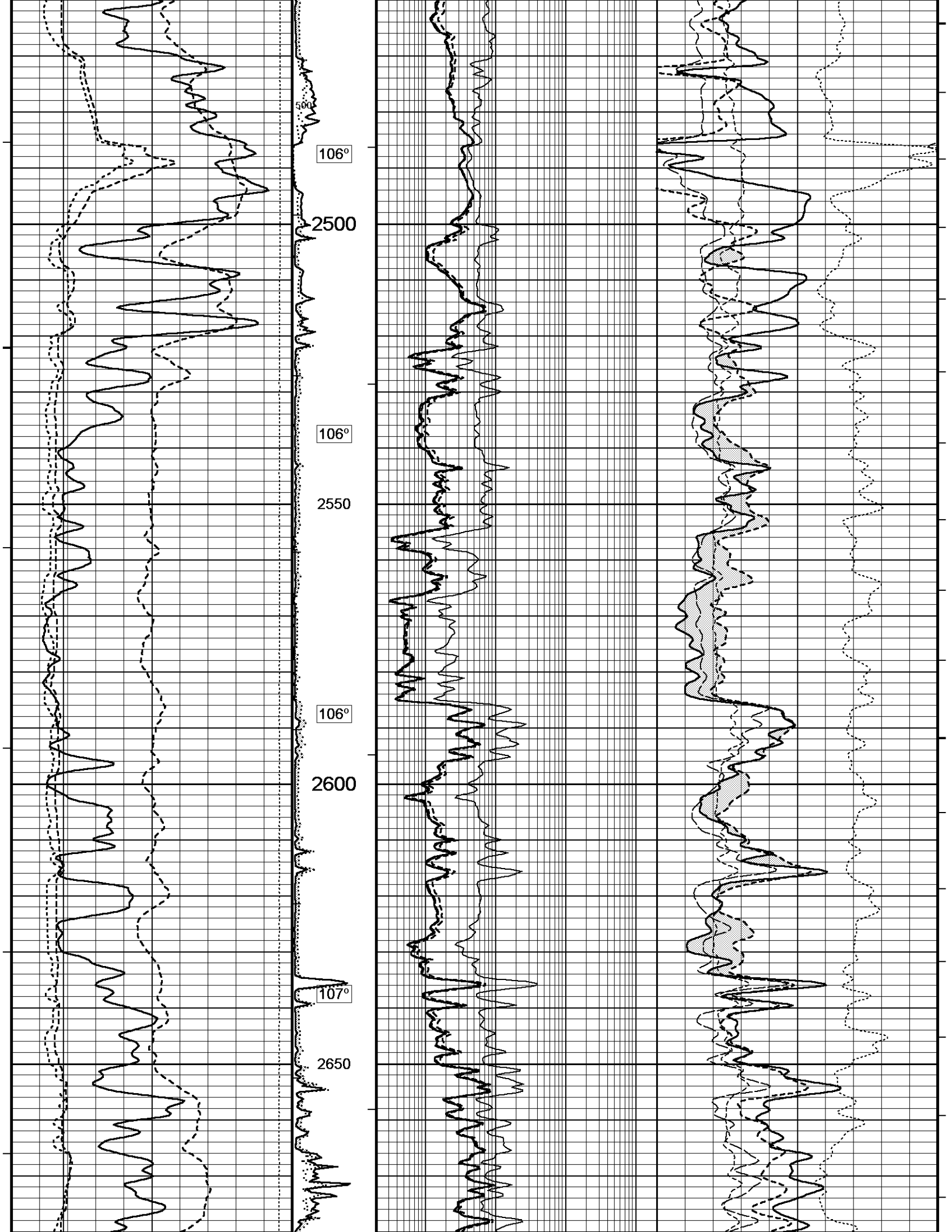


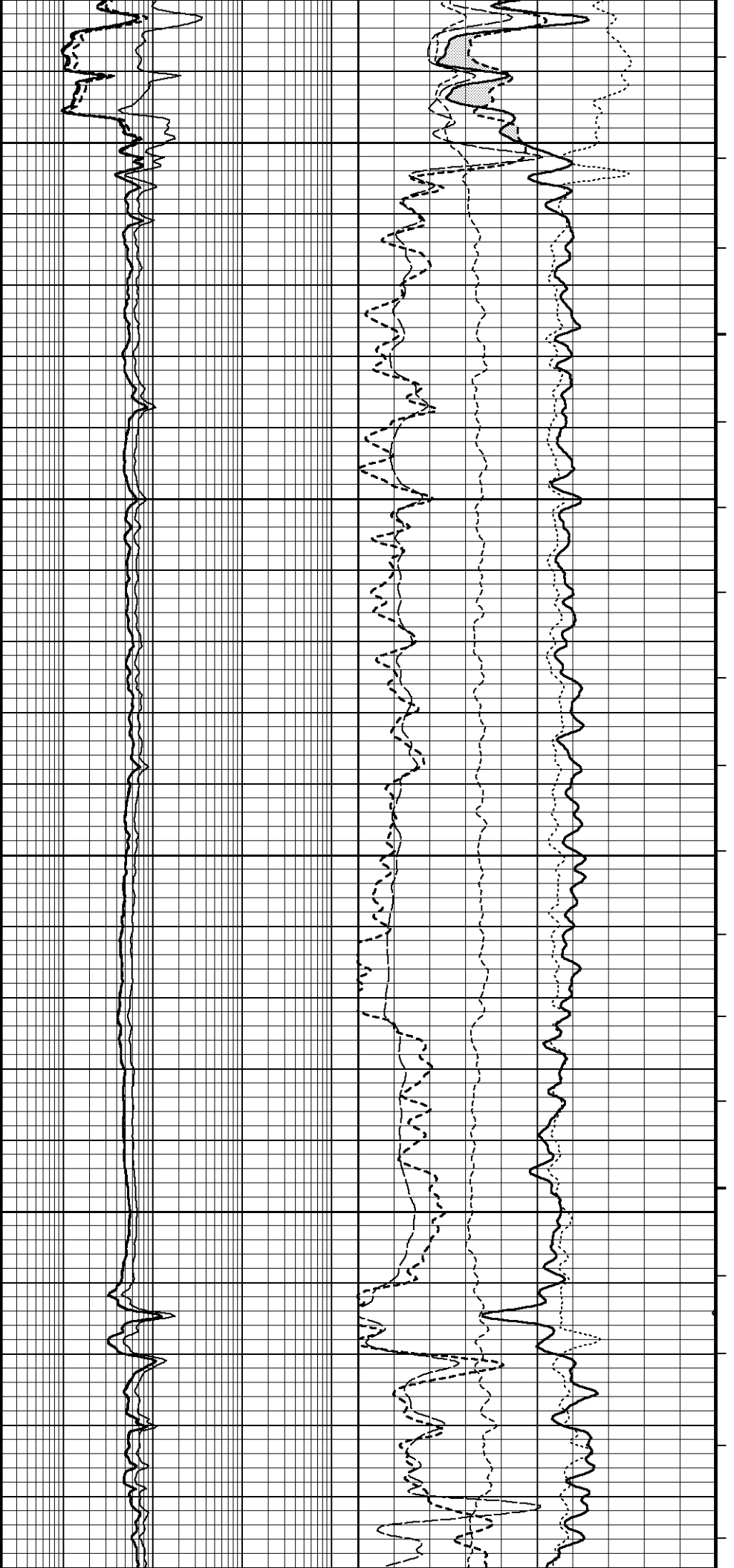
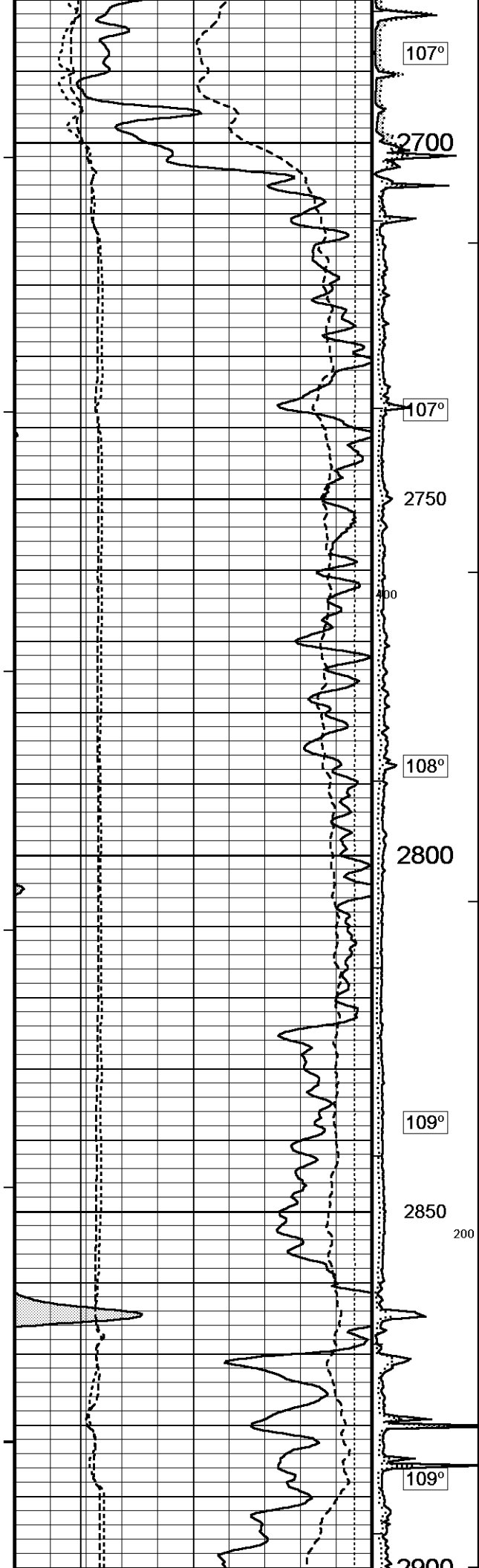


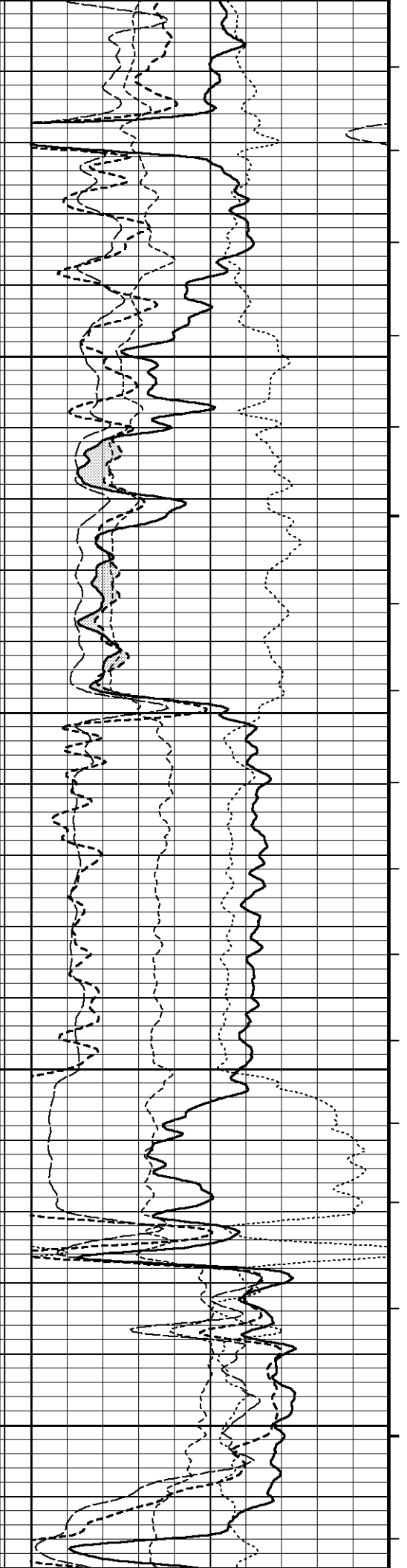
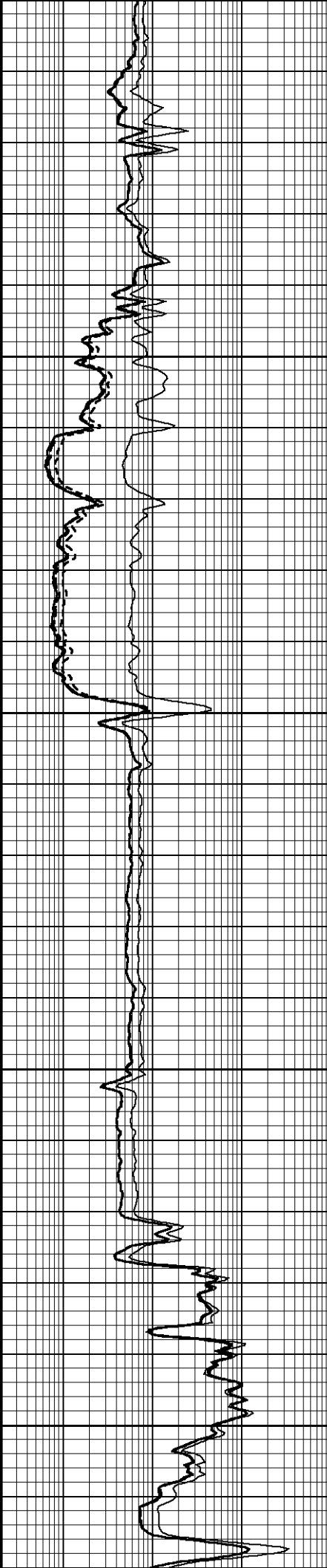
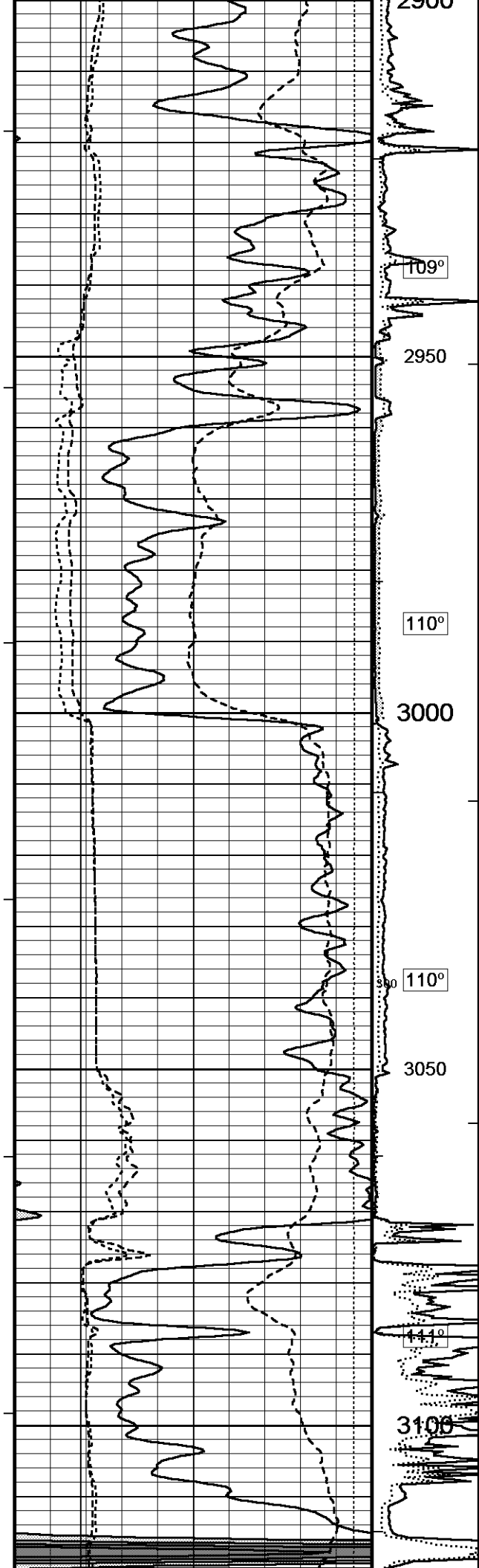


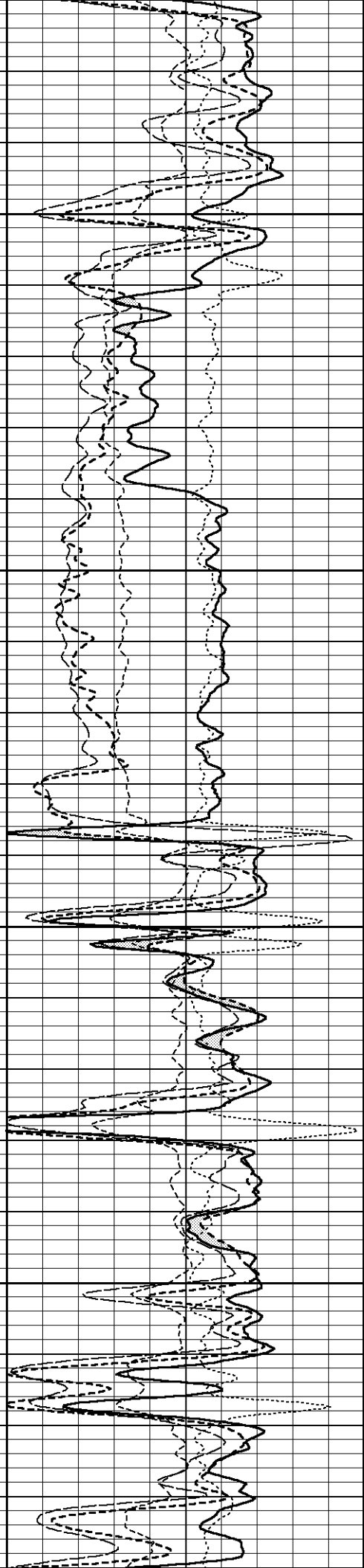
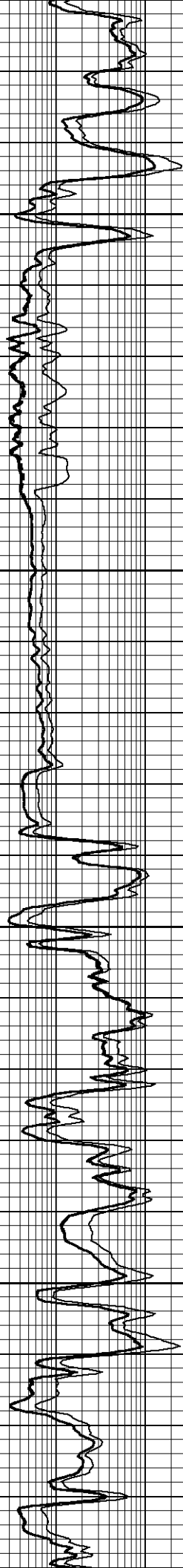
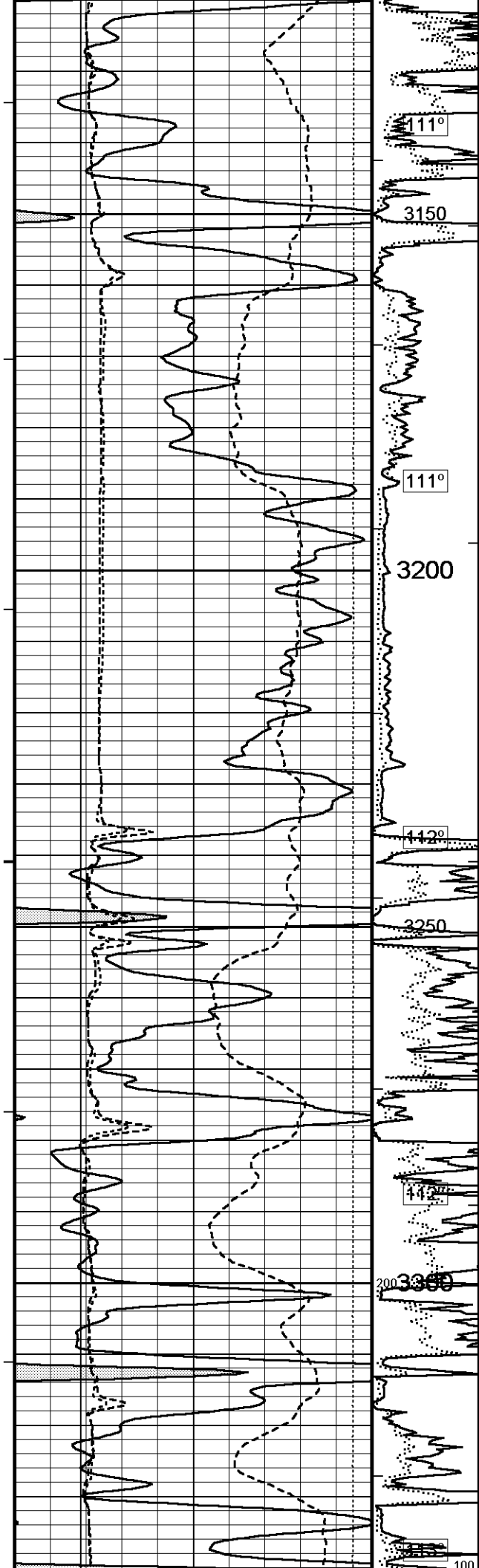


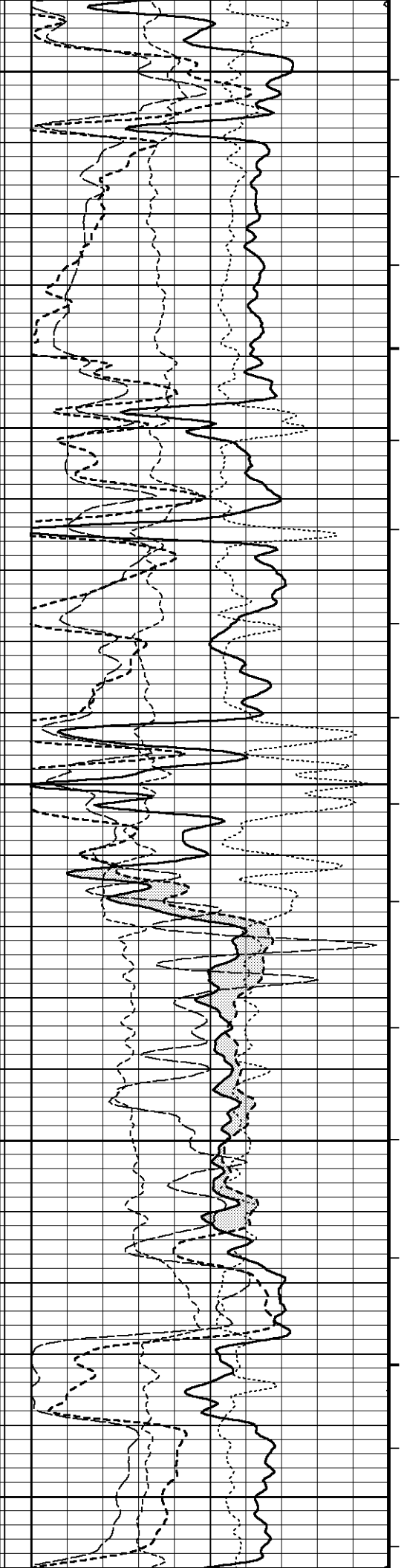
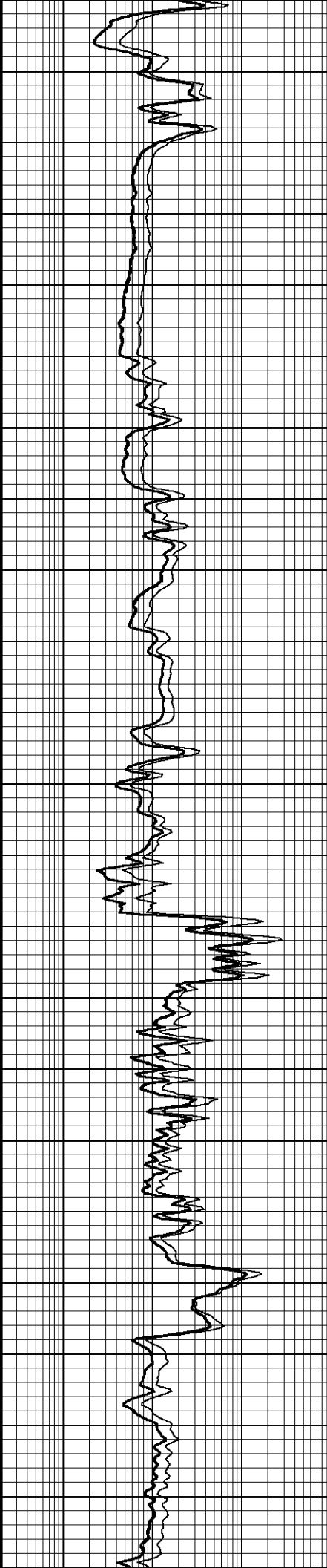
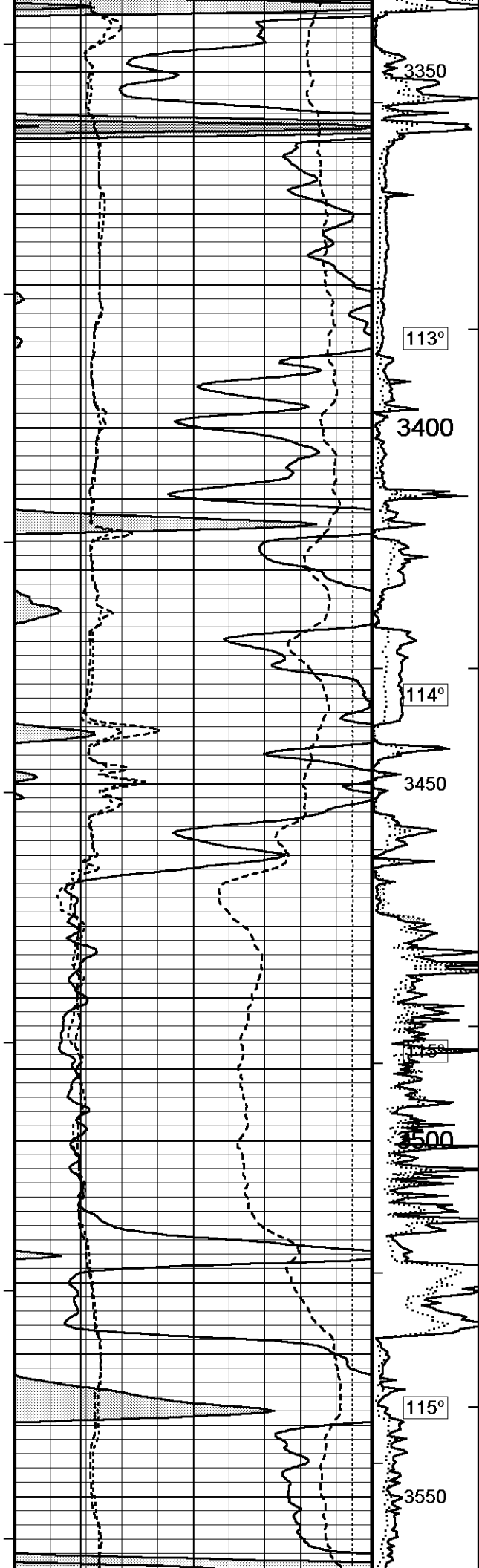


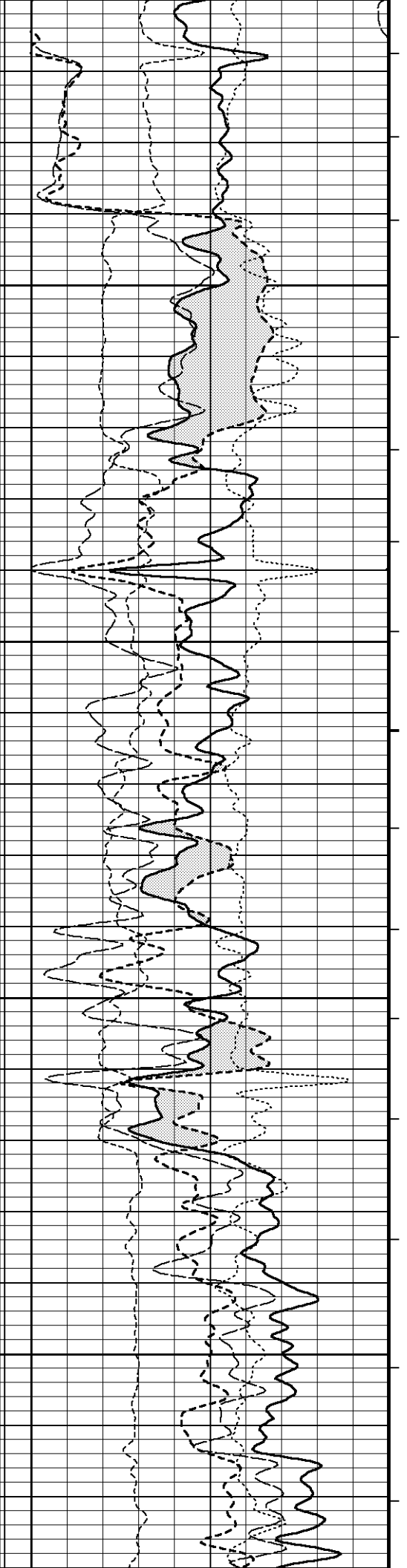
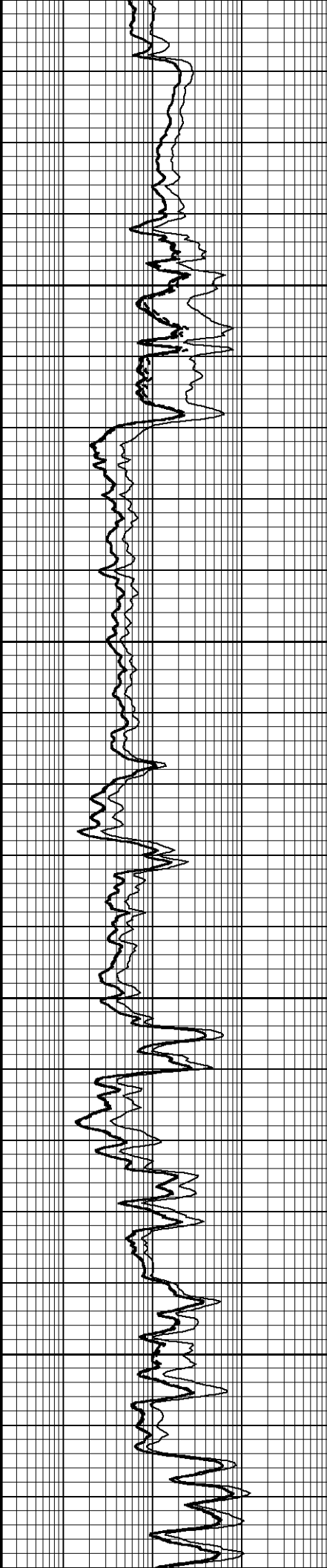
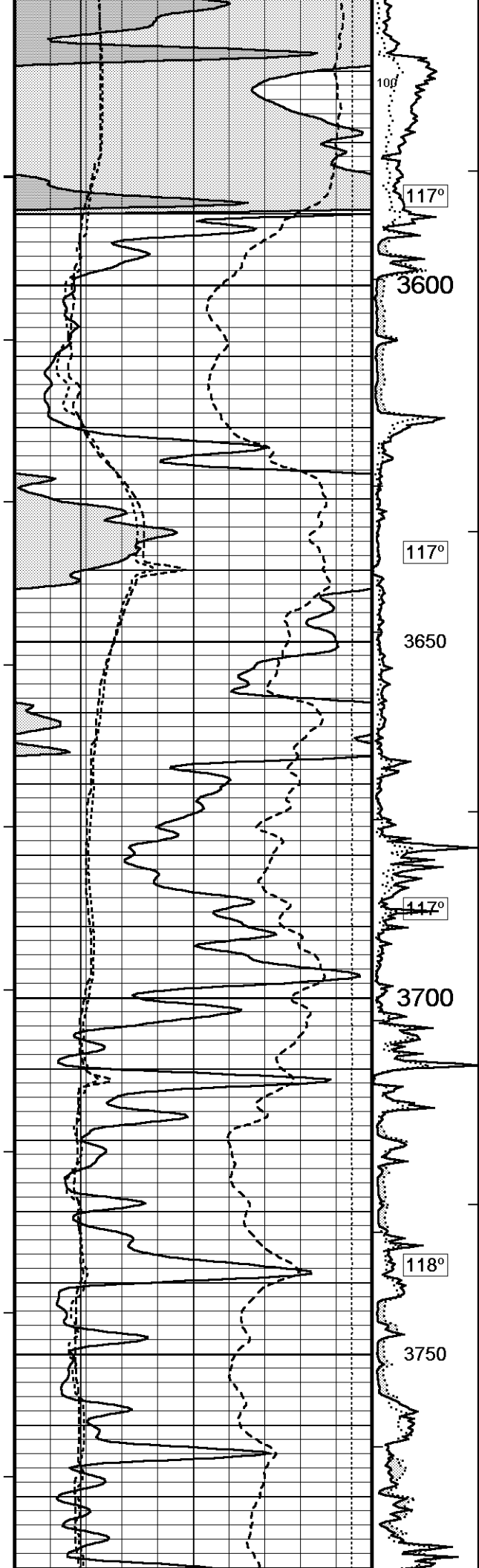


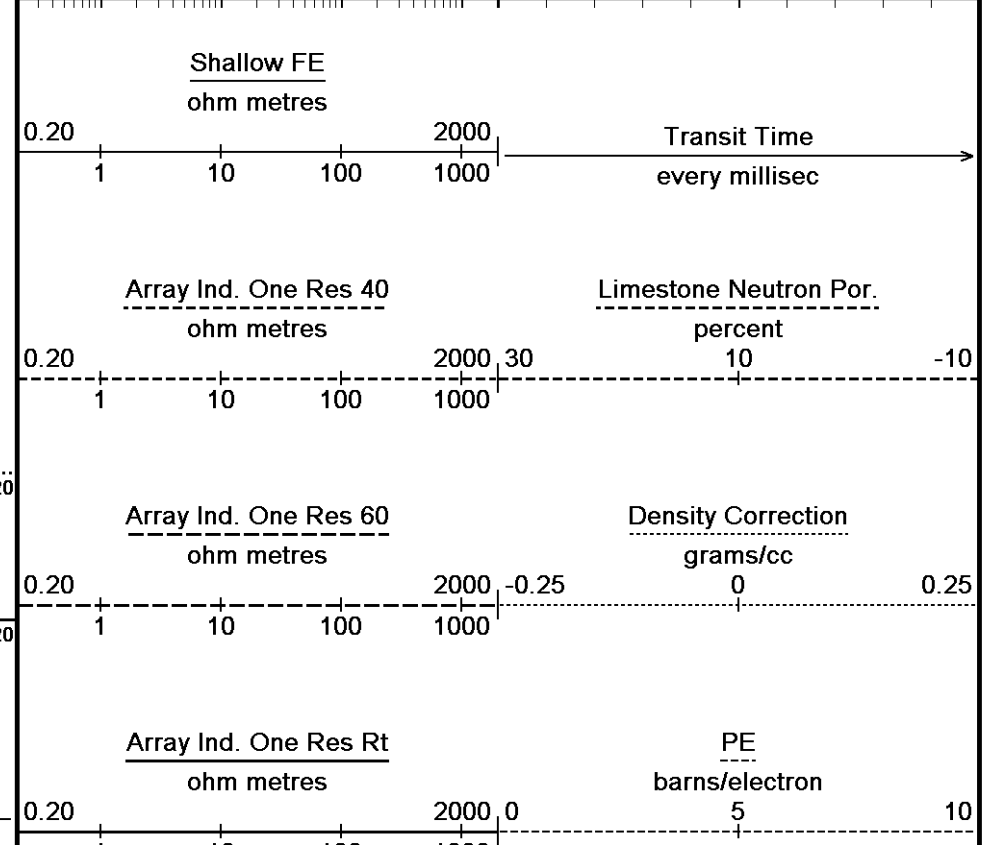
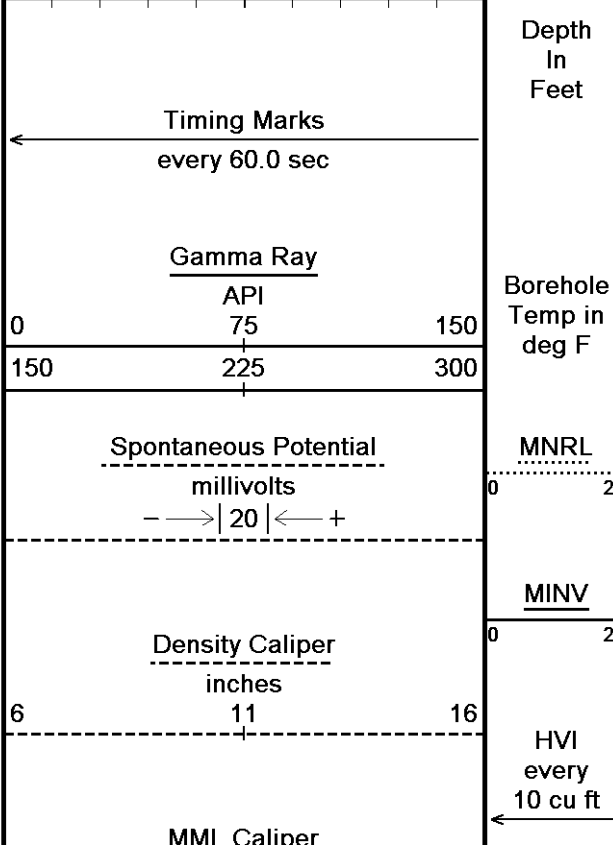
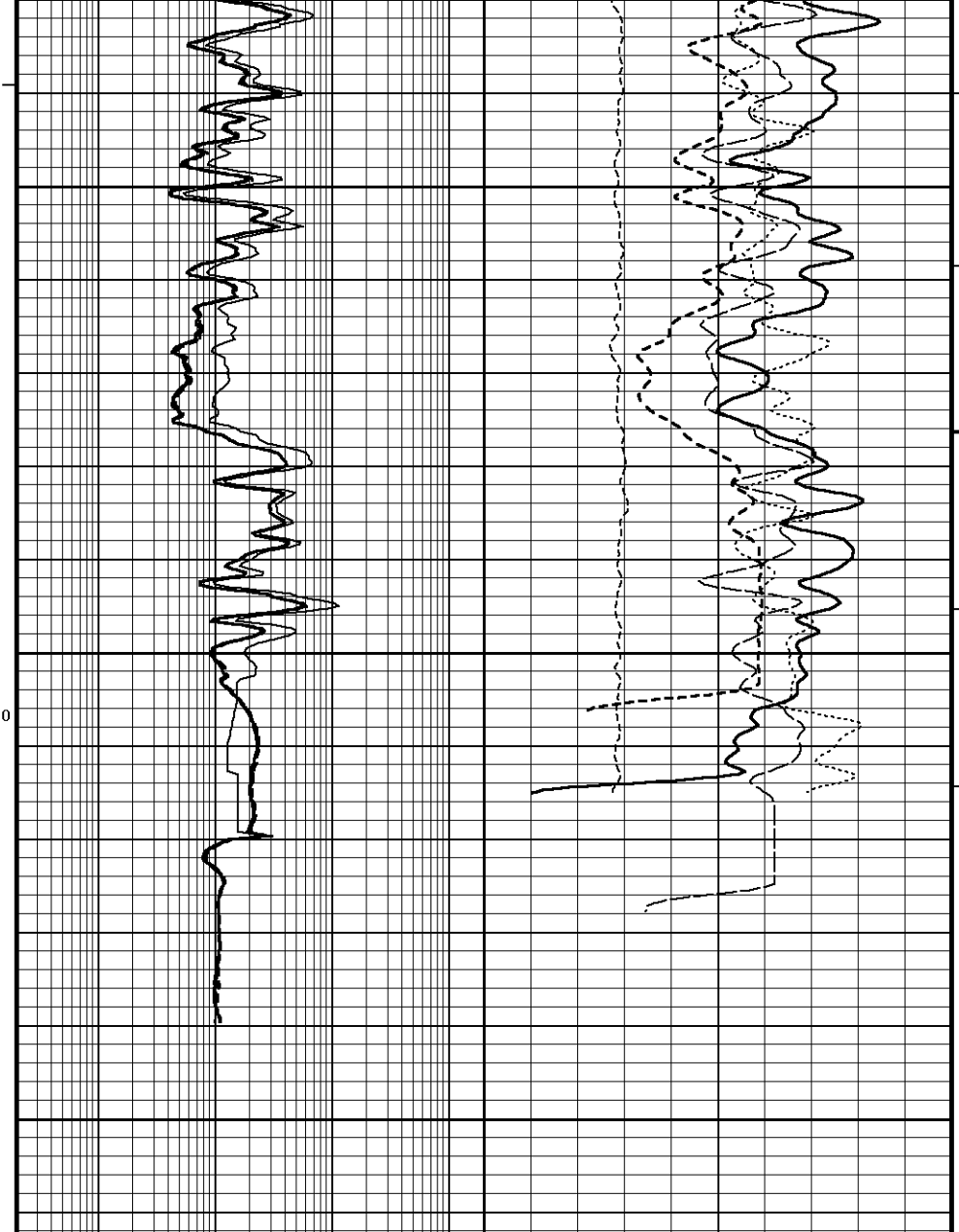
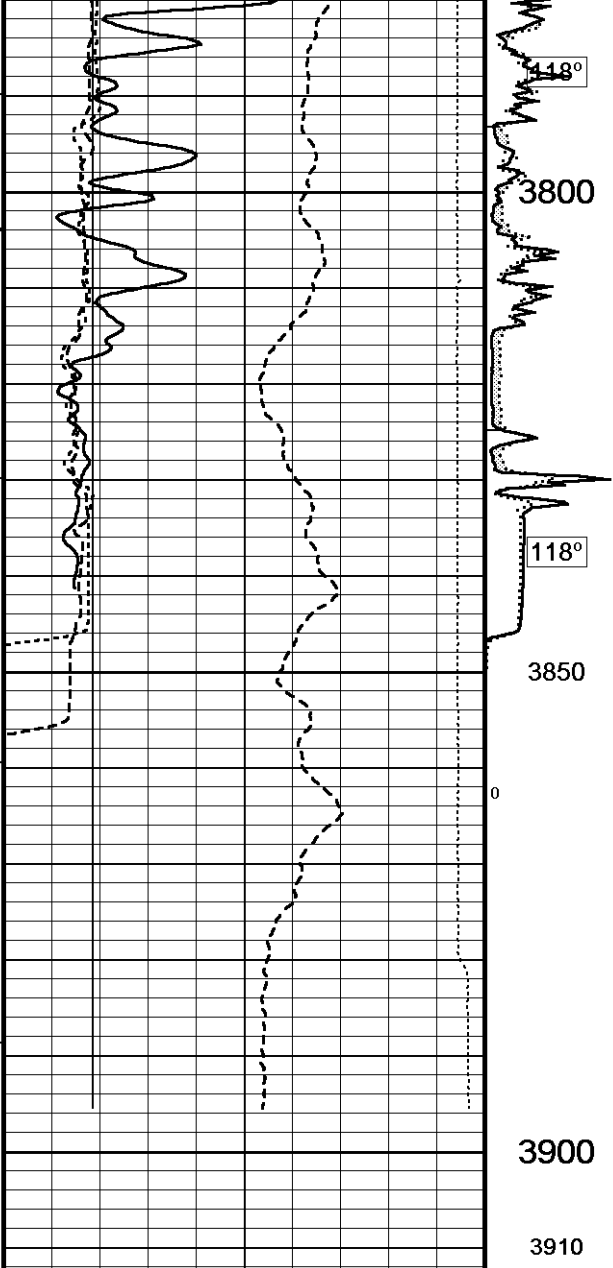


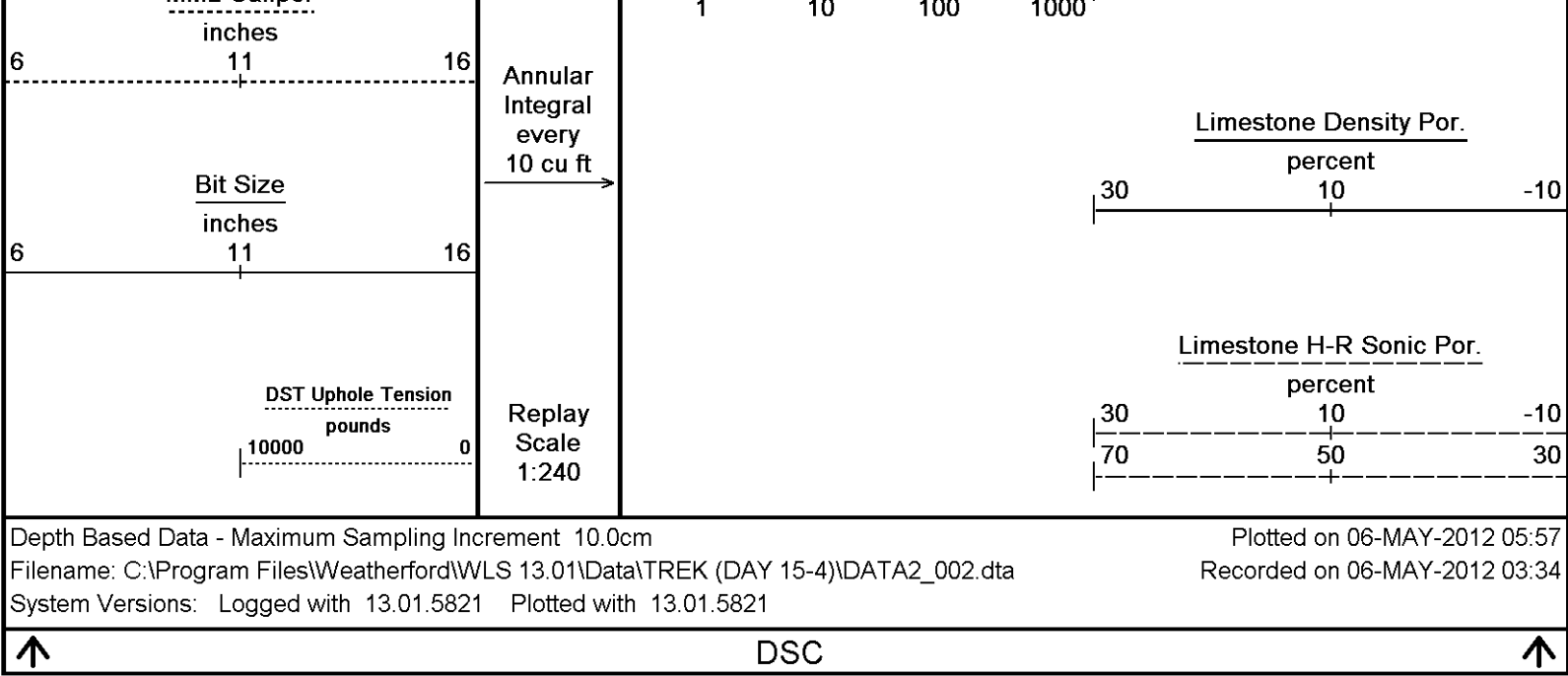












BEFORE SURVEY CALIBRATION			
C:\Program Files\Weatherford\WLS 13.01\Data\TREK (DAY 15-4)\DATA2_002.dta			
General Constants All 000		Last Edited on 06-MAY-2012,01:53	
General Parameters			
Mud Resistivity	1.000	ohm-metres	
Mud Resistivity Temperature	70.000	degrees F	
Water Level	0.000	feet	
Density/Neutron Processing	Wet Hole		
Hole/Annular Volume and Differential Caliper Parameters			
HVOL Method	Single Caliper		
HVOL Caliper 1	Density Caliper		
HVOL Caliper 2	N/A		
Annular Volume Diameter	5.500	inches	
Caliper for Differential Caliper	Density Caliper		
Rwa Parameters			
Porosity used	Limestone Density Por.		
Resistivity used	Array Ind. One Res Rt		
RWA Constant A	0.610		
RWA Constant M	2.150		
Gamma Calibration MCG-B 31		Field Calibration on 01-MAY-2012 08:30	
	Measured	Calibrated (API)	
Background	44	30	
Calibrator (Gross)	1365	927	
Calibrator (Net)	1322	897	
Gamma Constants MCG-B 31		Last Edited on 06-MAY-2012,02:11	
Gamma Calibrator Number			
Mud Density	1.11	gm/cc	
Caliper Source for Processing	Density Caliper		
Tool Position	Eccentred		
Concentration of KCl	0.00	kppm	
High Resolution Temperature Calibration MCG-B 31		Field Calibration on 18-APR-2012,10:11	
	Measured	Calibrated(Deg F)	
Lower	10.00	10.00	
Upper	100.00	100.00	
High Resolution Temperature Constants MCG-B 31		Last Edited on	

Caliper Calibration MML-A 7

Base Calibration on 18-APR-2012 08:58
Field Calibration on 03-MAY-2012 10:00

Base Calibration

Reading No	Measured	Calibrator Size (in)
1	15211	5.96
2	18535	7.98
3	21950	9.94
4	25696	11.90
5	0	0.00
6	N/A	N/A

Field Calibration

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

Micro Normal and Micro Inverse Calibration MML-A 7

Base Calibration on 18-APR-2012 08:48
Field Check on 03-MAY-2012 09:43

Base Calibration

Channel	Measured		Calibrated (ohm-m)	
	Resistor 1	Resistor 2	Resistor 1	Resistor 2
Micro Normal	12.1	59.8	2.6	12.8
Micro Inverse	15.7	77.9	1.7	8.4

Channel	Base Check (ohm-m)	Field Check (ohm-m)
Micro Normal	32.4	32.4
Micro Inverse	16.4	16.4

Micro Normal and Micro Inverse Constants MML-A 7

Last Edited on 06-MAY-2012,02:10

Pad Type	8-12 in Soft Rubber Inflatable 006-9011-159		
Micro Normal K Factor	0.5110		
Micro Inverse K Factor	0.3380		
Standoff Offset	N/A	inches	

Neutron Calibration MDN-A.B 31

Base Calibration on 05-MAR-2012 13:28
Field Check on 03-MAY-2012,09:52

Base Calibration

	Measured		Calibrated (cps)	
	Near	Far	Near	Far
	3308	102	3714	110
Ratio	32.392		33.764	

Field Calibrator at Base

Calibrated (cps)
2229
3259
Ratio
0.684

Field Check

Calibrated (cps)
2199
3255
Ratio
0.676

Neutron Constants MDN-A.B 31

Last Edited on 03-MAY-2012,14:39

Neutron Source Id	N1054	
Neutron Jig Number	N639	
Epithermal Neutron	No	
Caliper Source for Processing	Density Caliper	
Stand-off	0.00	inches
Mud Density	1.00	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	None	
Temperature	N/A	degrees F
Mud Salinity	0.00	kppm
Salinity Correction	Not Applied	
Formation Fluid Salinity Source	Constant Value	
Formation Fluid Salinity	0.00	kppm
Barite Mud Correction	Not Applied	

Base Calibration

	Measured	Calibrated (ohm-m)
Reference 1	0.0	0.0
Reference 2	968.0	126.8
Base Check		282.8
Field Check		282.4

FE Constants MFE-A.A 54

Last Edited on 02-MAY-2012,08:31

Running Mode	No Sleeve	
MFE K Factor	0.1268	
Caliper Source for FE correction	Density Caliper	
Caliper Value for FE correction	N/A	inches
Rm Source for FE correction	Temperature Corr	
Temp. for Rm Corr.	MCG External Temperature	
Stand-off	0.5	inches

Sonic Constants MSS-A.A 101

Last Edited on 19-APR-2012,13:05

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 Sonic	
Correction for Sonde Skew	Applied	
Cycle Stretch Algorithm	Applied	
MN3FT	N/A	micro-sec
MX3FT	N/A	micro-sec
Hunt-Raymer Constant	83.13	micro-sec/ft

Sonde Mode	Compensated
Hole Type	Open Hole

Sonde Parameters

	Measured	Calibrated
Offset	N/A	0.0000
Free Pipe	N/A	N/A
Peak Amplitude Source		N/A

Waveform	Start Time (micro-sec)	Width (micro-sec)	Pre Gain	Start Gain	Discriminator (mV)
3'	N/A	N/A	N/A	N/A	N/A
4'	N/A	N/A	N/A	N/A	N/A
5'	N/A	N/A	N/A	N/A	N/A
6'	N/A	N/A	N/A	N/A	N/A

Processed Fixed Gate Parameters

Waveform Used For Processing	N/A			
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

Full Waveform Parameters

Use 3' Waveform to derive TR	N/A	
Use 4' Waveform to derive TR	N/A	
Use 5' Waveform to derive TR	N/A	
Use 6' Waveform to derive TR	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

Induction Calibration MAI-A.A 66

Base Calibration on 29-SEP-2009,08:06

Field Check on 03-MAY-2012 09:56

Base Calibration

Test Loop Calibration

Channel	Measured		Calibrated (mmho/m)	
	Low	High	Low	High
1	16.3	454.6	9.3	966.2
2	5.6	370.2	7.6	821.4
3	3.7	253.8	5.2	566.0
4	1.9	131.5	2.6	279.2

Array Temperature 78.4 Deg F

Channel	Base Check (mmho/m)		Field Check (mmho/m)	
	Low	High	Low	High
1	0.0	0.0	15.4	4012.7
2	0.0	0.0	32.1	3653.7
3	0.0	0.0	28.5	3137.1
4	0.0	0.0	19.9	2113.2
Deep	0.0	0.0	16.3	2025.2
Medium	0.0	0.0	41.8	4149.2
Shallow	0.0	0.0	49.8	5432.4

Array Temperature 0.0 77.1 Deg F

Induction Constants MAI-A.A 66

Last Edited on 03-MAY-2012,09:56

Induction Model	RtAP-WBM		
Caliper for Borehole Corr.	Density Caliper		
Hole Size for Borehole Correction	N/A	inches	
Tool Centred	No		
Stand-off Type	Fins		
Stand-off	0.50	inches	
Number of Fins on Stand-off	6.0000		
Stand-off Fin Angle	60.00	degrees	
Stand-off Fin Width	0.5000	inches	
Borehole Corr. Rm Source	Temperature Corr		
Temp. for Rm Corr.	MCG External Temperature		
Squasher Start	0.0060	mhos/metre	
Squasher Offset	N/A	mhos/metre	
Borehole Normalisation			
DRM1	0.0000	DRC1	0.0000
DRM2	0.0000	DRC2	0.0000
MRM1	0.0000	MRC1	0.0000
MRM2	0.0000	MRC2	0.0000
SRM1	0.0000	SRC1	0.0000
SRM2	0.0000	SRC2	0.0000

Calibration Site Corrections

Channel 1	0.00	mmhos/metre
Channel 2	0.00	mmhos/metre
Channel 3	0.00	mmhos/metre
Channel 4	0.00	mmhos/metre

Apparent Porosity and Water Saturation Constants

Archie Constant (A)	1.00	
Cementation Exponent (M)	2.00	
Saturation Exponent (N)	2.00	
Saturation of Water for Apor	100.00	percent
Resistivity of Water for Apor and Sw	0.05	ohm-m
Resistivity of Mud Filtrate for Sw	0.00	ohm-m
Source for Rt	0.00	
Source for Pxo	0.00	

Caliper Calibration MPD-A.A 11

Base Calibration on 11-APR-2012 05:06

Field Calibration on 03-MAY-2012 10:04

Base Calibration

Reading No	Measured	Calibrator Size (in)
1	17402	4.01
2	25808	5.96
3	34480	7.98
4	43088	9.94
5	50672	11.90
6	N/A	N/A

Field Calibration

Measured Caliper (in)	Actual Caliper (in)
8.05	7.98

Photo Density Calibration MPD-A.A 11

Base Calibration on 05-MAR-2012 10:39

Field Check on 03-MAY-2012 09:50

Density Calibration

Base Calibration	Measured		Calibrated (sdu)	
	Near	Far	Near	Far
Reference 1	58202	30661	59869	31110
Reference 2	24577	2753	24557	2522

Field Check at Base

1220.8 1316.9

Field Check

1217.5 1310.7

PE Calibration

Base Calibration	Measured		Calibrated
	WS	WH	Ratio
Background	217	1071	
Reference 1	20744	57987	0.361
Reference 2	6361	24415	0.263

Field Check at Base

217.3 1071.3

Field Check

218.8 1069.6

Density Constants MPD-A.A 11

Last Edited on 06-MAY-2012,02:11

Density Source Id	P56135B
Nylon Calibrator Number	633
Aluminium Calibrator Number	633
Density Shoe Profile	8 inch
Caliper Source for Processing	Density Caliper
PE Correction to Density	Not Applied
Mud Density	1.11 gm/cc
Mud Density Z/A Multiplier	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
Density Z/A Correction	Hybrid

Matrix Density (gm/cc)	Depth (ft)
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

COMPANY	TREK RESOURCES, INC
WELL	DAY 15-4
FIELD	BRAMAN, N
PROVINCE/COUNTY	SUMNER
COUNTRY/STATE	U.S.A. / KANSAS

Elevation Kelly Bushing	1132.00	feet	First Reading	3876.00	feet
Elevation Drill Floor	1130.00	feet	Depth Driller	3889.00	feet
Elevation Ground Level	1122.00	feet	Depth Logger	3879.00	feet



Weatherford®

COMPOSITE LOG

