



Weatherford[®]

**CML WELL SHUTTLE
COMPACT ARRAY INDUCTION
LOG**

**COMPANY SANDRIDGE EXPLORATION & PRODUCTION
WELL PETER 3404 1-20H**

**PROVINCE/COUNTY SUMNER
COUNTRY/STATE USA / KANSAS
LOCATION 200' FSL & 510' FEL**

SEC 20 TWP 34S RGE 4W
API Number 15-191-22668
Permit Number

**Other Services
MDN/MPP
CMI**

**Permanent Datum G.L., Elevation 1220 feet
Log Measured From KB
Drilling Measured From K.B.**

Elevations: feet
KB 1242.00
DF 1242.00
GL 1220.00

Date	03-FEB-2013		
Run Number	ONE		
Depth Driller	11618.00	feet	
Depth Logger	11549.00	feet	
First Reading	11542.00	feet	
Last Reading	4787.00	feet	
Casing Driller	4787.00	feet	
Casing Logger	4787.00	feet	
Bit Size	6.125	inches	
Hole Fluid Type	WATER		
Density / Viscosity	8.40 lb/USg	28.00 CP	
PH / Fluid Loss	8.00	60.00 ml/30Min	
Sample Source	FLOWLINE		
Rm @ Measured Temp	1.98 @ 52.7	ohm-m	
Rmf @ Measured Temp	1.58 @ 52.7	ohm-m	
Rmc @ Measured Temp	2.37 @ 52.7	ohm-m	
Source Rmf / Rmc	CALC	CALC	
Rm @ BHT	0.76 @ 136.0	ohm-m	
Time Since Circulation	1 HOUR		
Max Recorded Temp	136.00	deg F	
Equipment Name	COMPACT		
Equipment / Base	18064	OKC	
Recorded By	C. GRIFFIN		
Witnessed By	T. ALCORN		
S.O.#/AFE	3539585/ DC12598		

BOREHOLE RECORD Last Edited: 02-FEB-2013 20:35

Bit Size inches	Depth From feet	Depth To feet
6.125	4787.00	11618.00

CASING RECORD

Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
INTERMED	7.000	0.00	4787.00	26.00
INTERMED	9.625	0.00	545.00	36.00

REMARKS

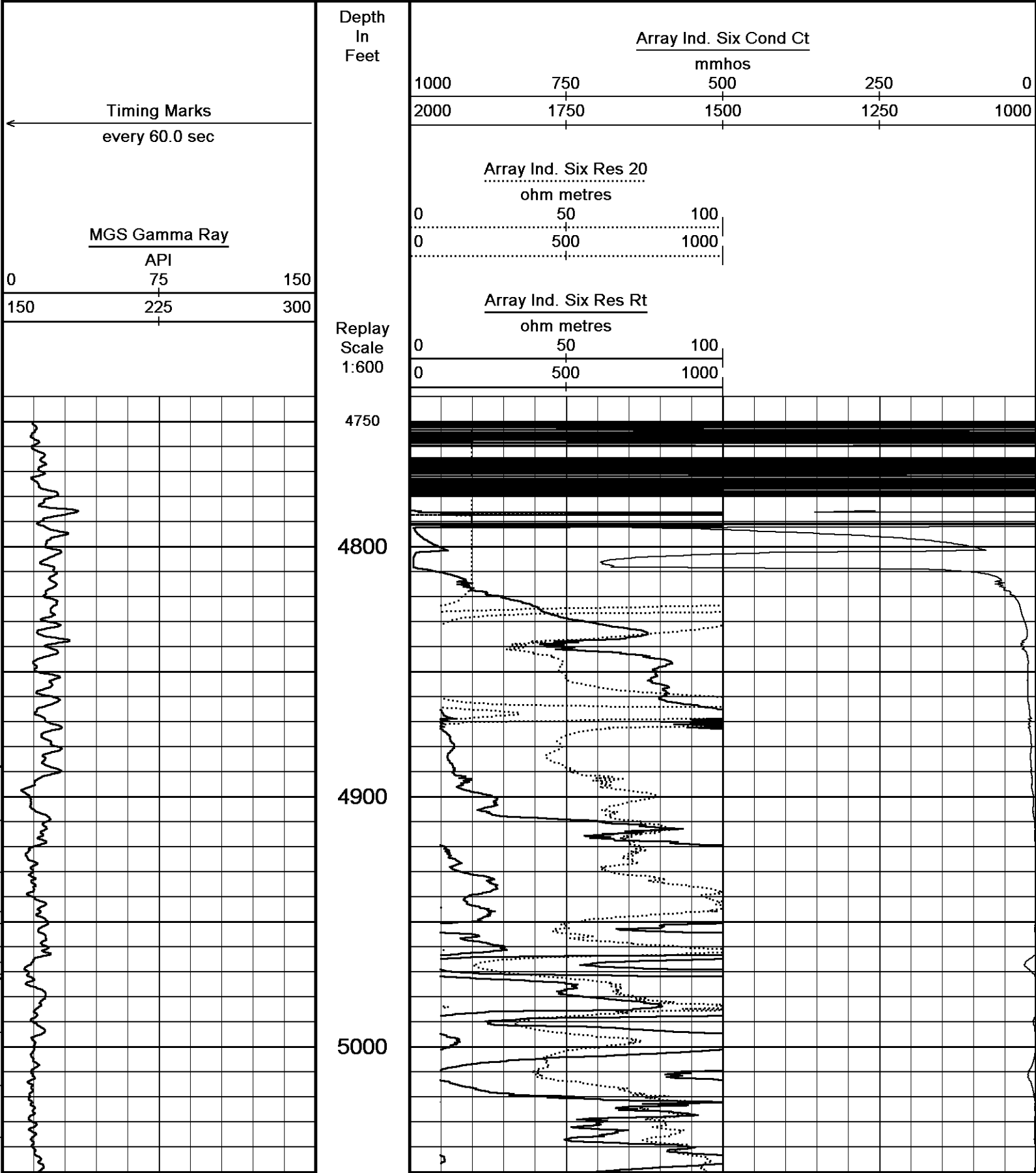
WLS SOFTWARE VERSION 13.03. USED.
 TOOLS RUN ON DRILLPIPE USING COMPACT WELL SHUTTLE DEPLOYMENT TECHNIQUE.
 DEPTH MEASURED USING ADVANTAGE RIG DEPTH CORRECTED TO PIPE TALLY.
 TOOLS DEPLOYED WITH MULE SHOE SITTING AT 11448 FT.
 AFTER DEPLOYMENT LOGGING TOOL WAS AT 11549 FT.
 WELL FLOW DURING LOGGING OPERATION WAS NOT NORMAL
 4.5 " PRODUCTION CASING USED TO CALCULATE ANNULAR HOLE VOLUMES.
 OPERATORS: J. TURNER, S. WORLEY
 RIG: LATSHAW 38

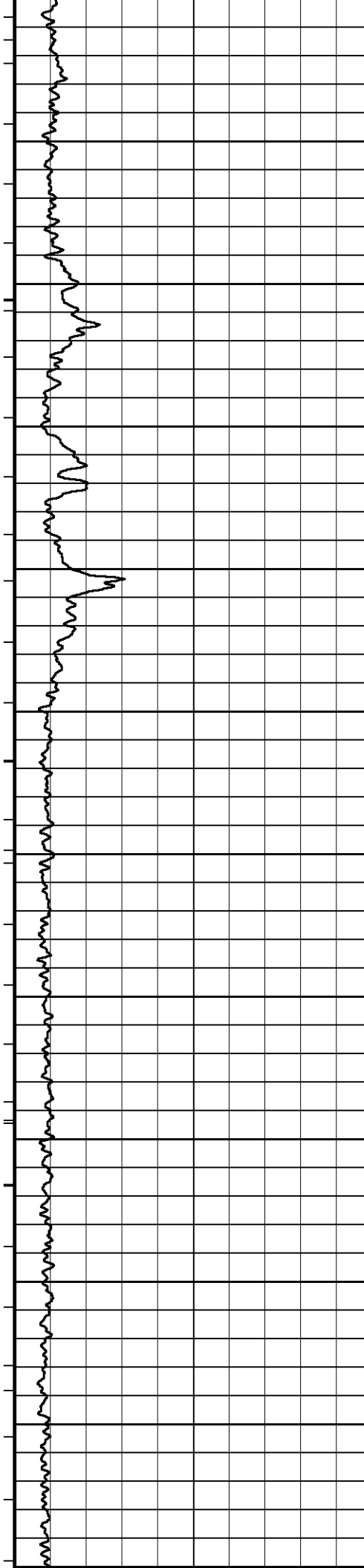
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy

or correctness of any interpretations, and we shall not, 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.

DSC

Depth Based Data - Maximum Sampling Increment 10.0cm Plotted on 03-FEB-2013 20:06
 Filename: C:\Data\Sandridge\Sandridge Peter 3404 1-20HMMS158 Depthlog.dta Recorded on 03-FEB-2013 19:01
 System Versions: Processed with 13.03.7779 Plotted with 13.03.7779





5100

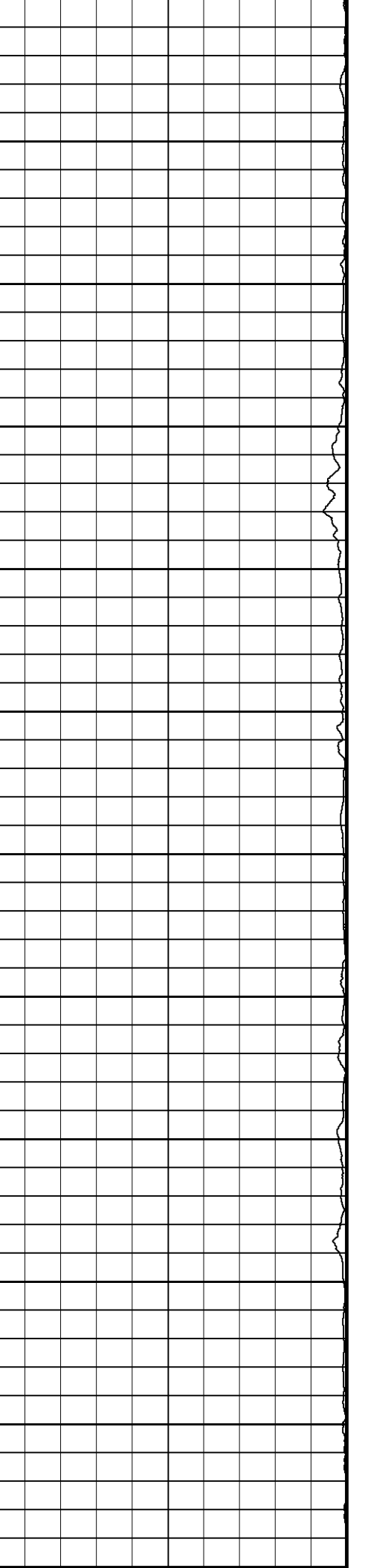
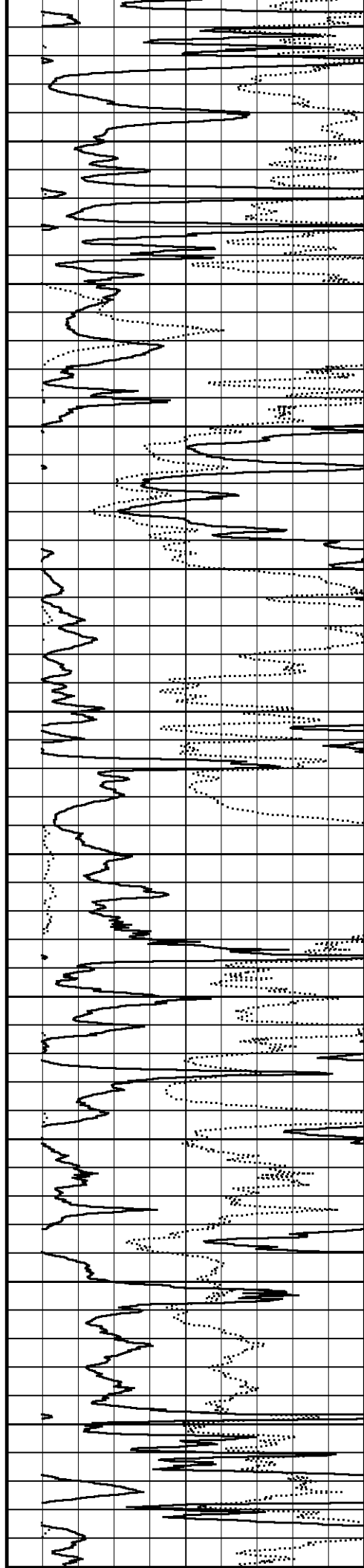
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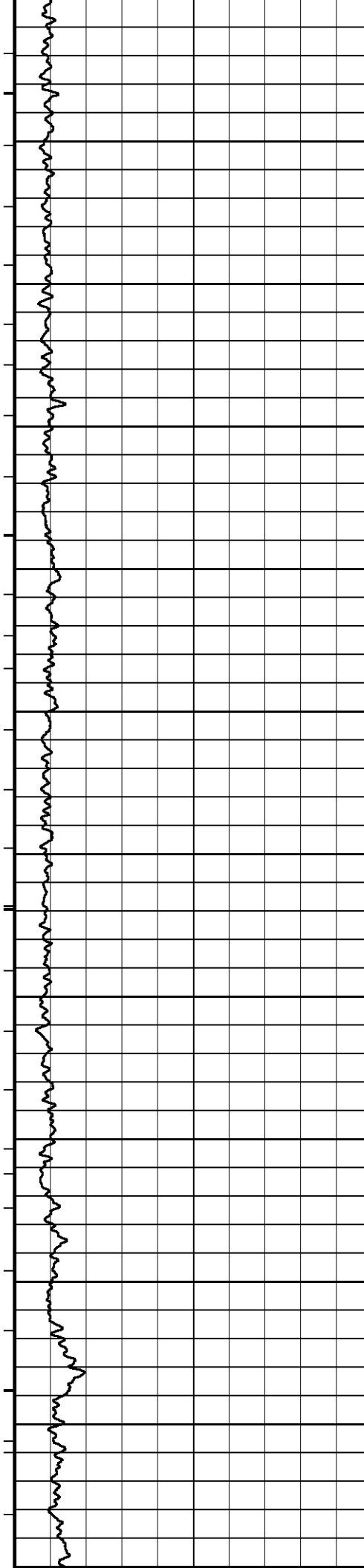
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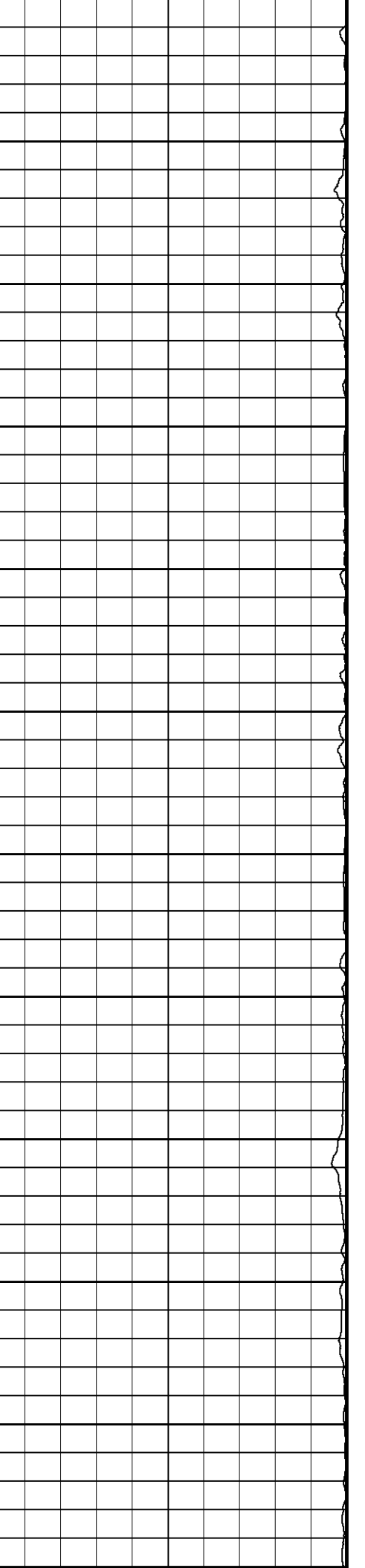
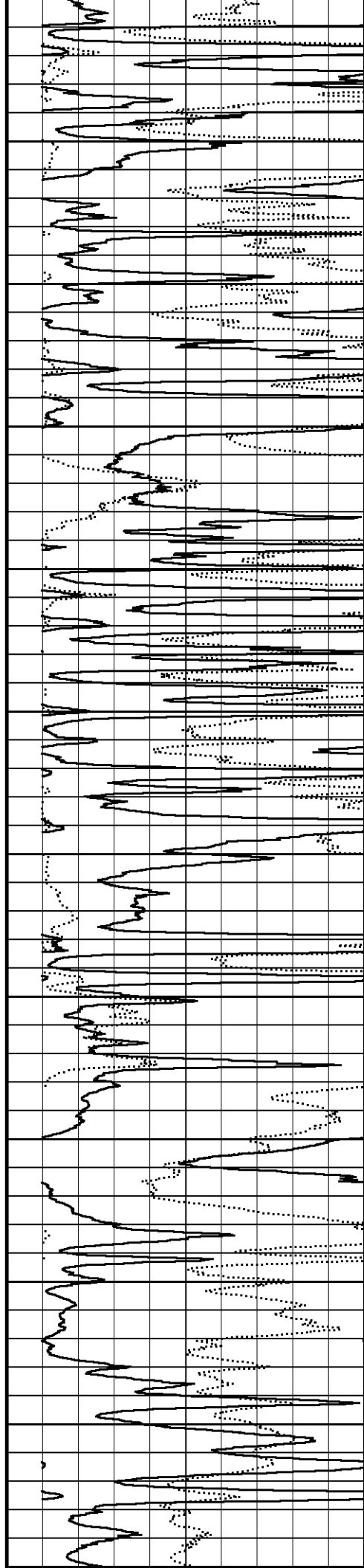
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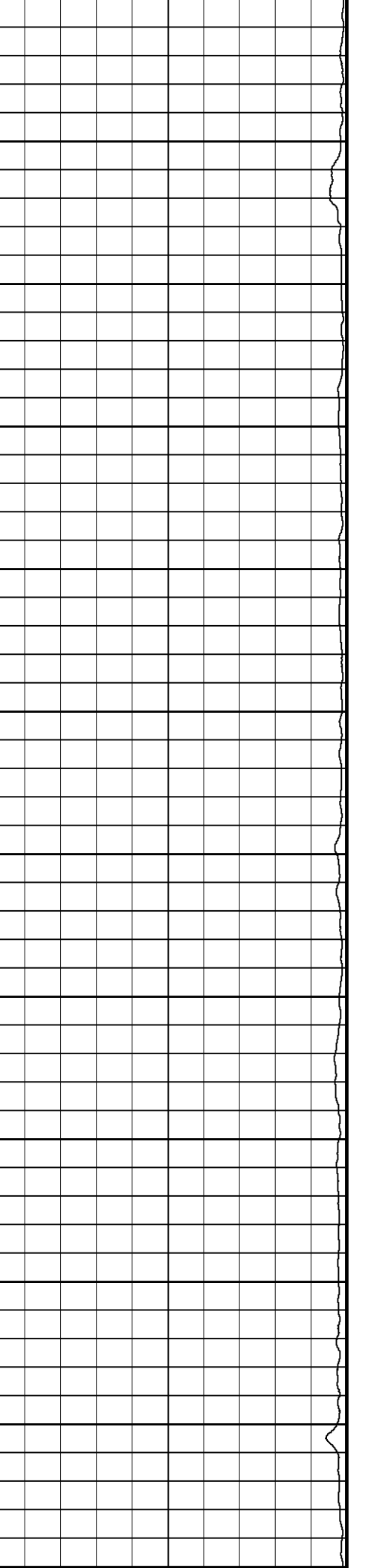
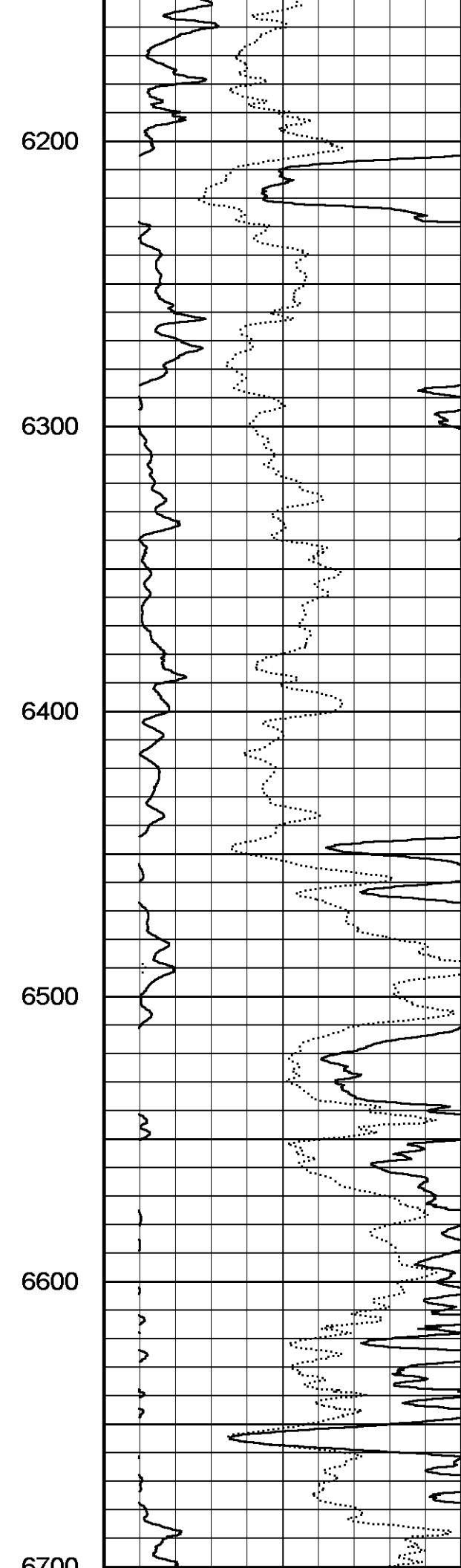
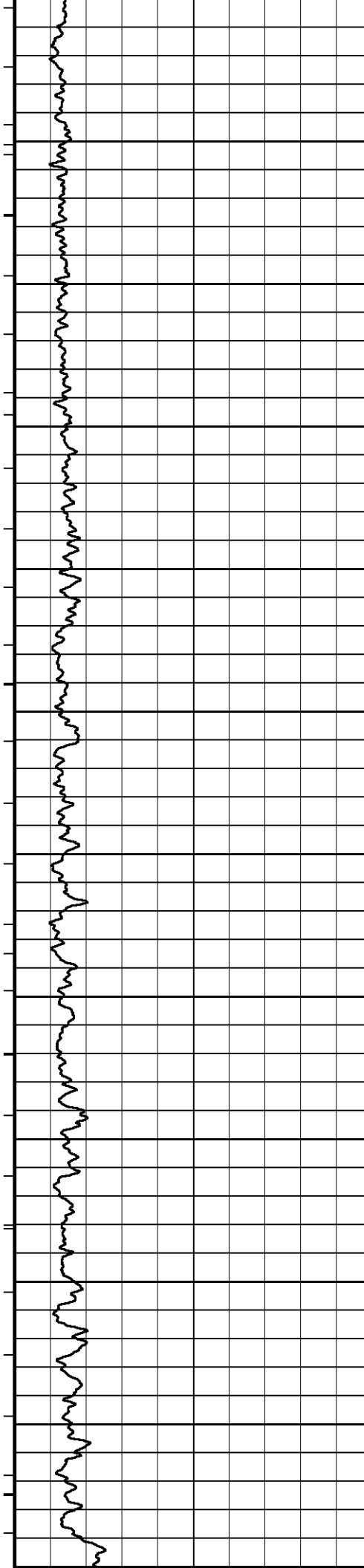
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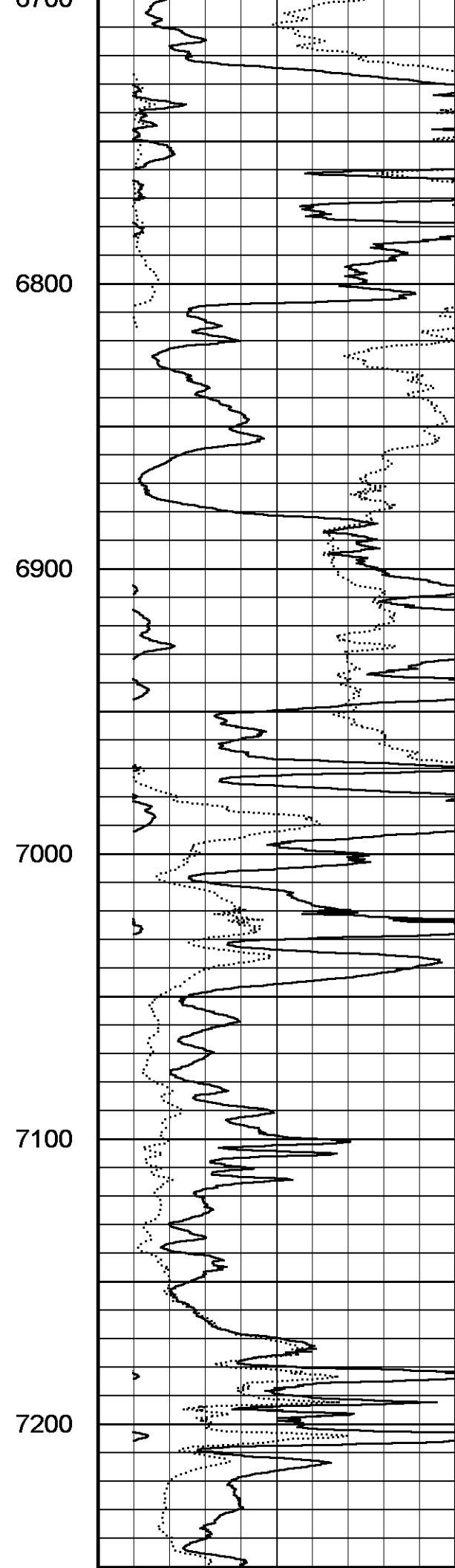
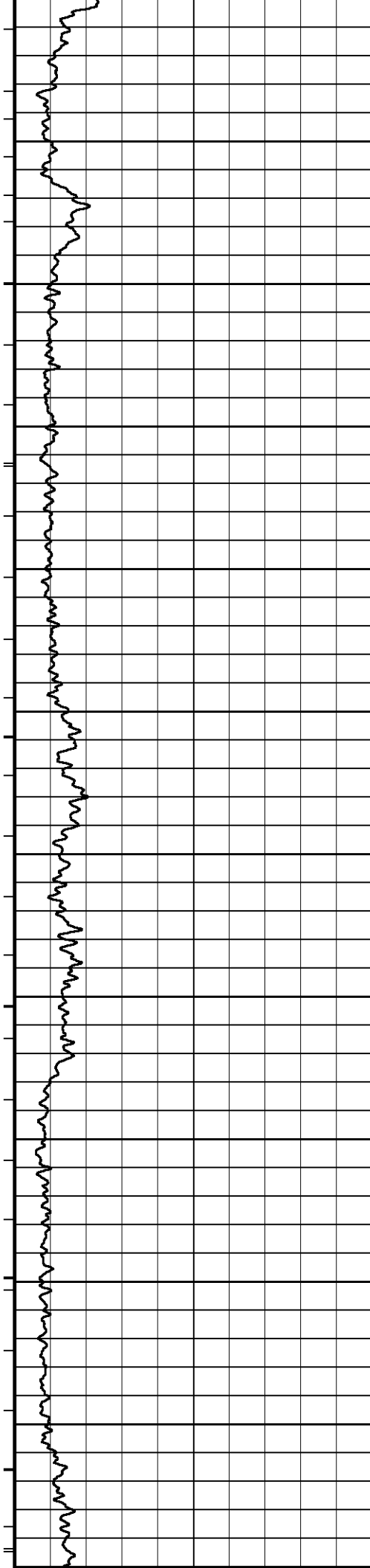
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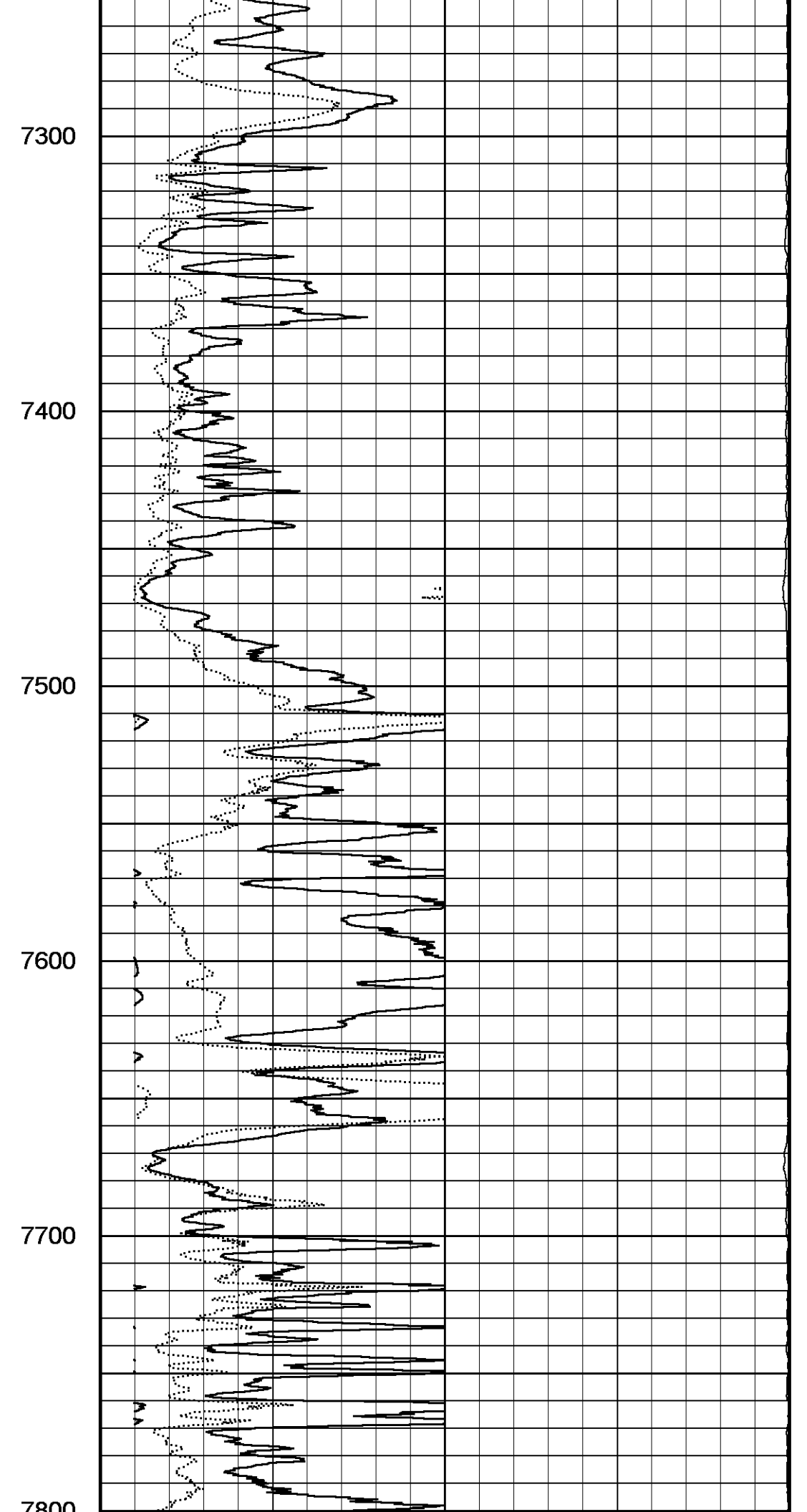
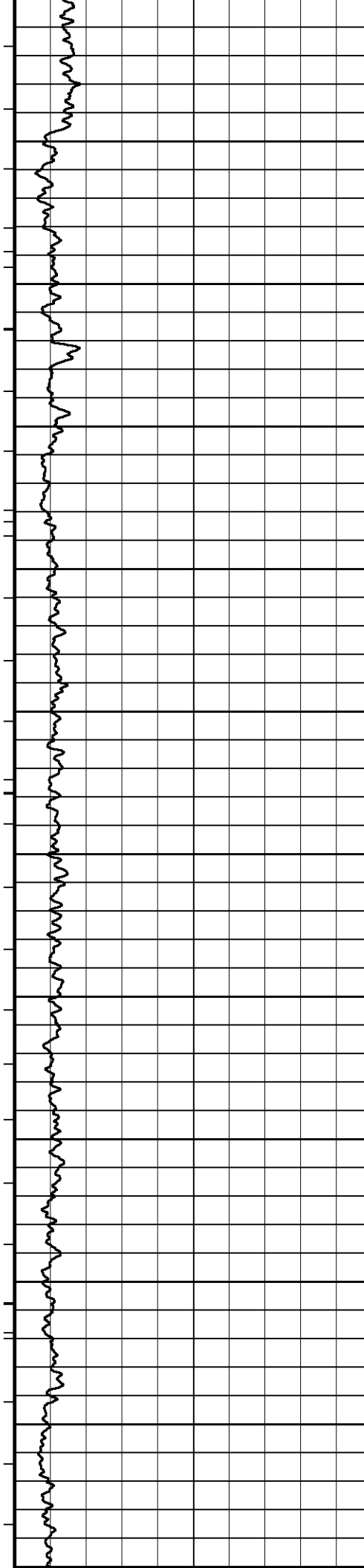
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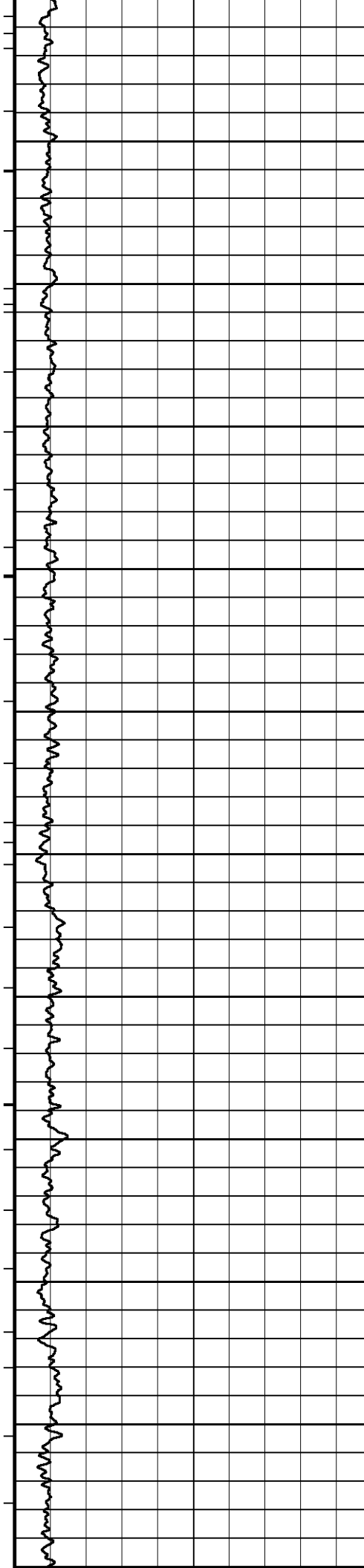
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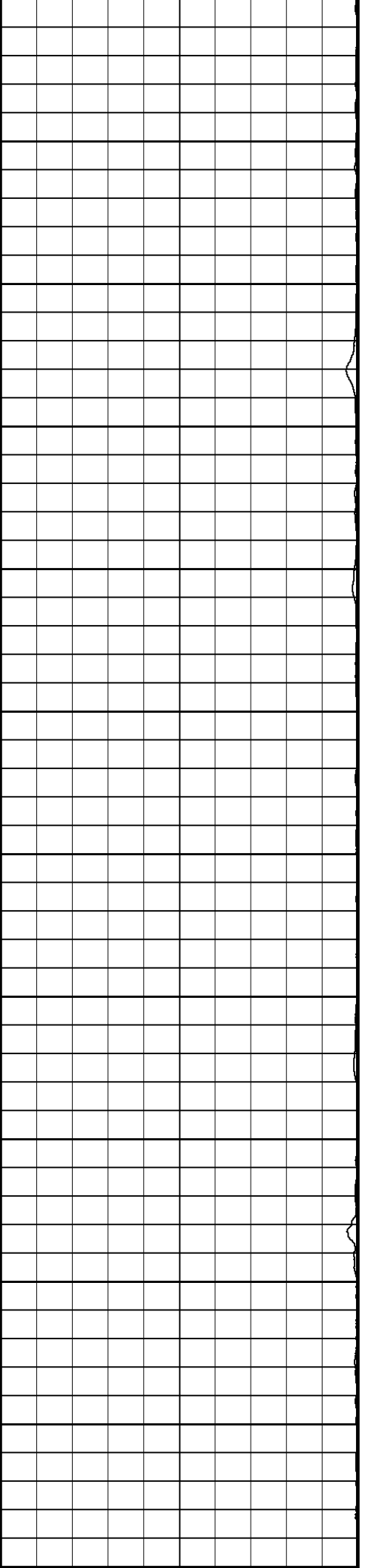
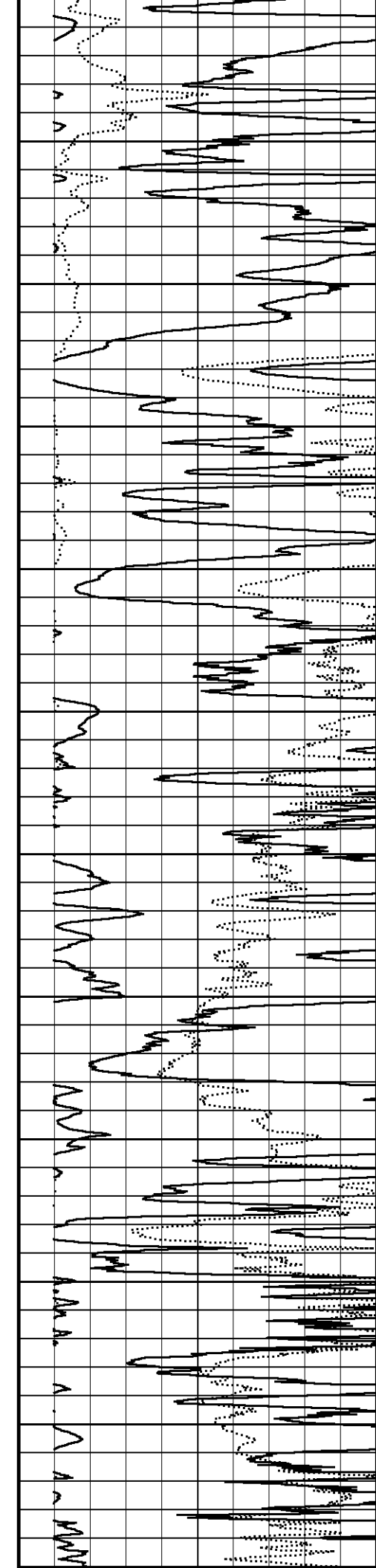


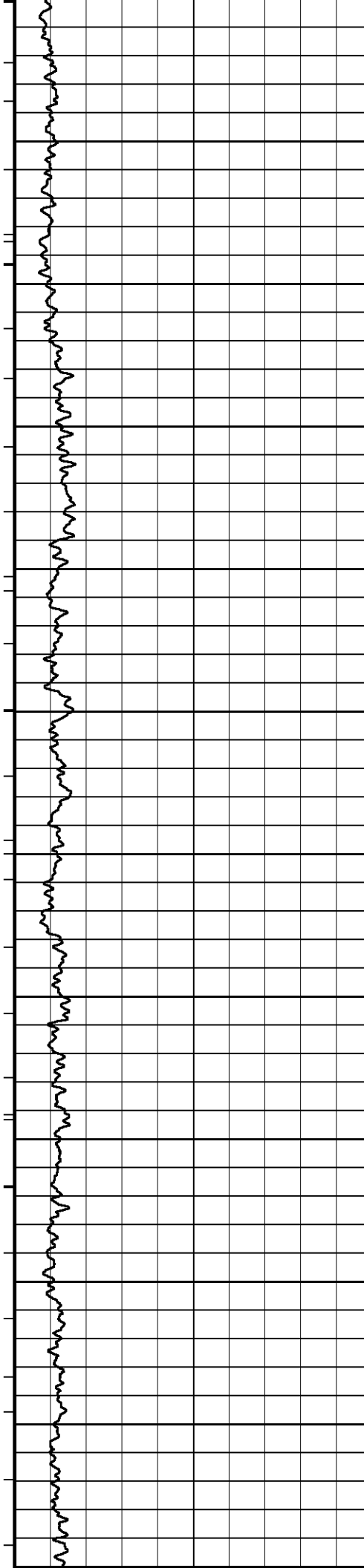






7800
7900
8000
8100
8200
8300





8400

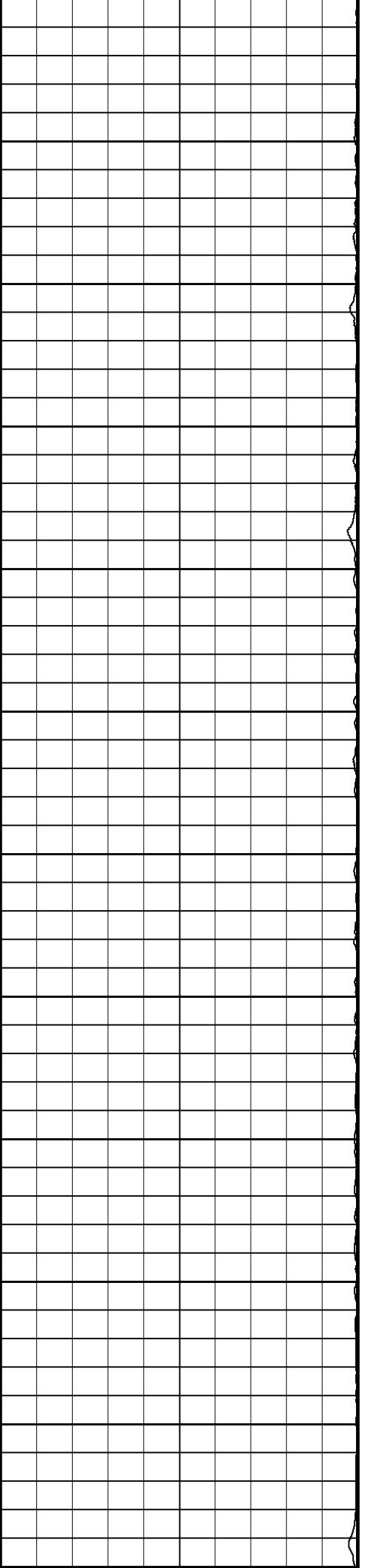
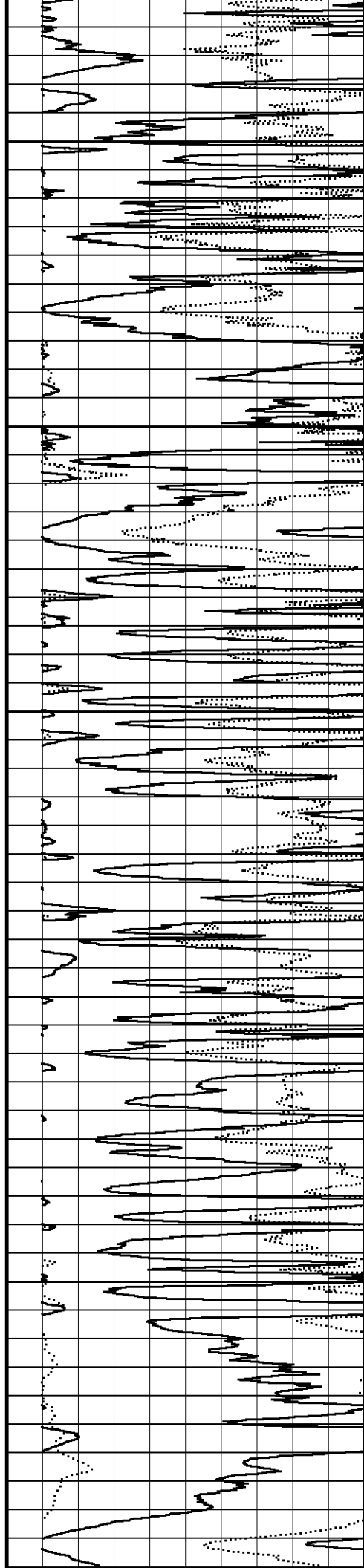
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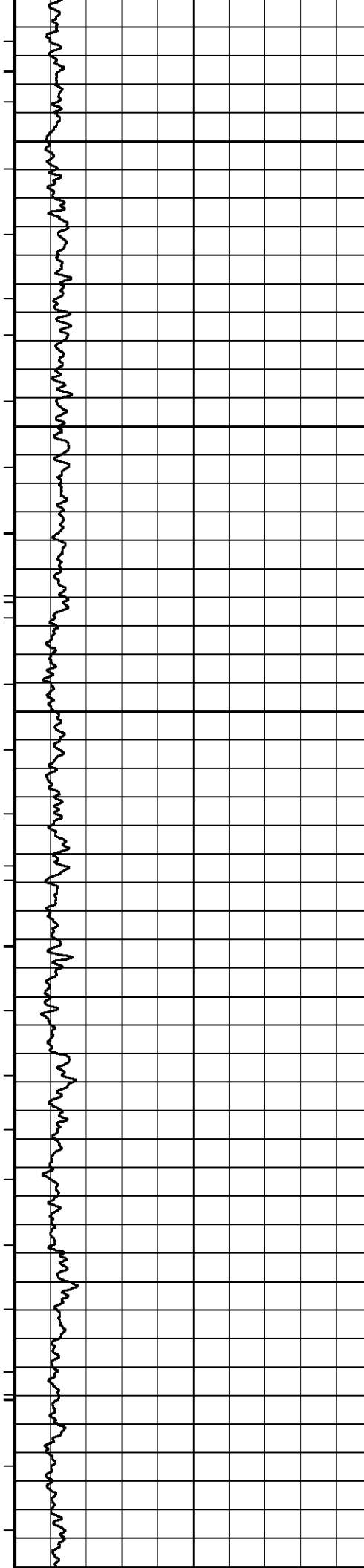
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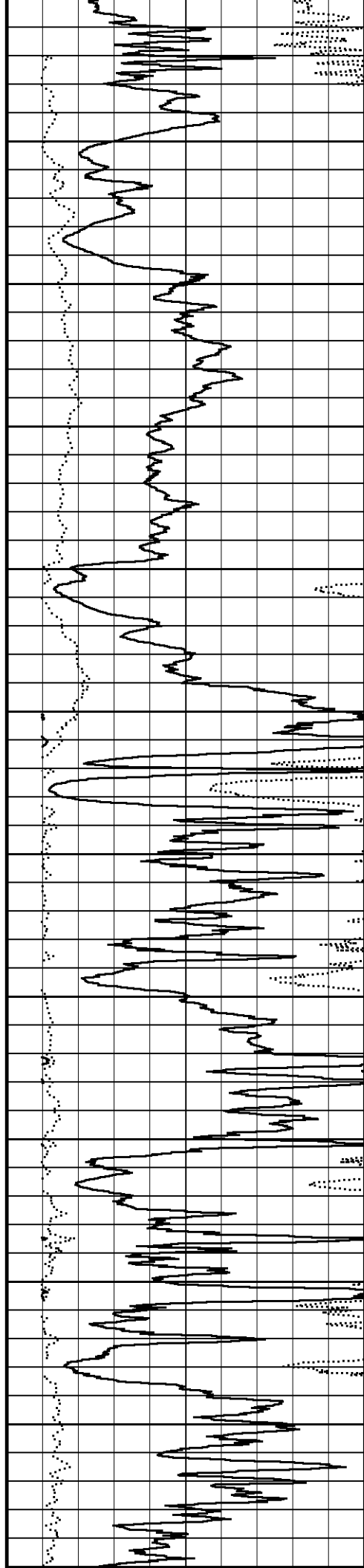
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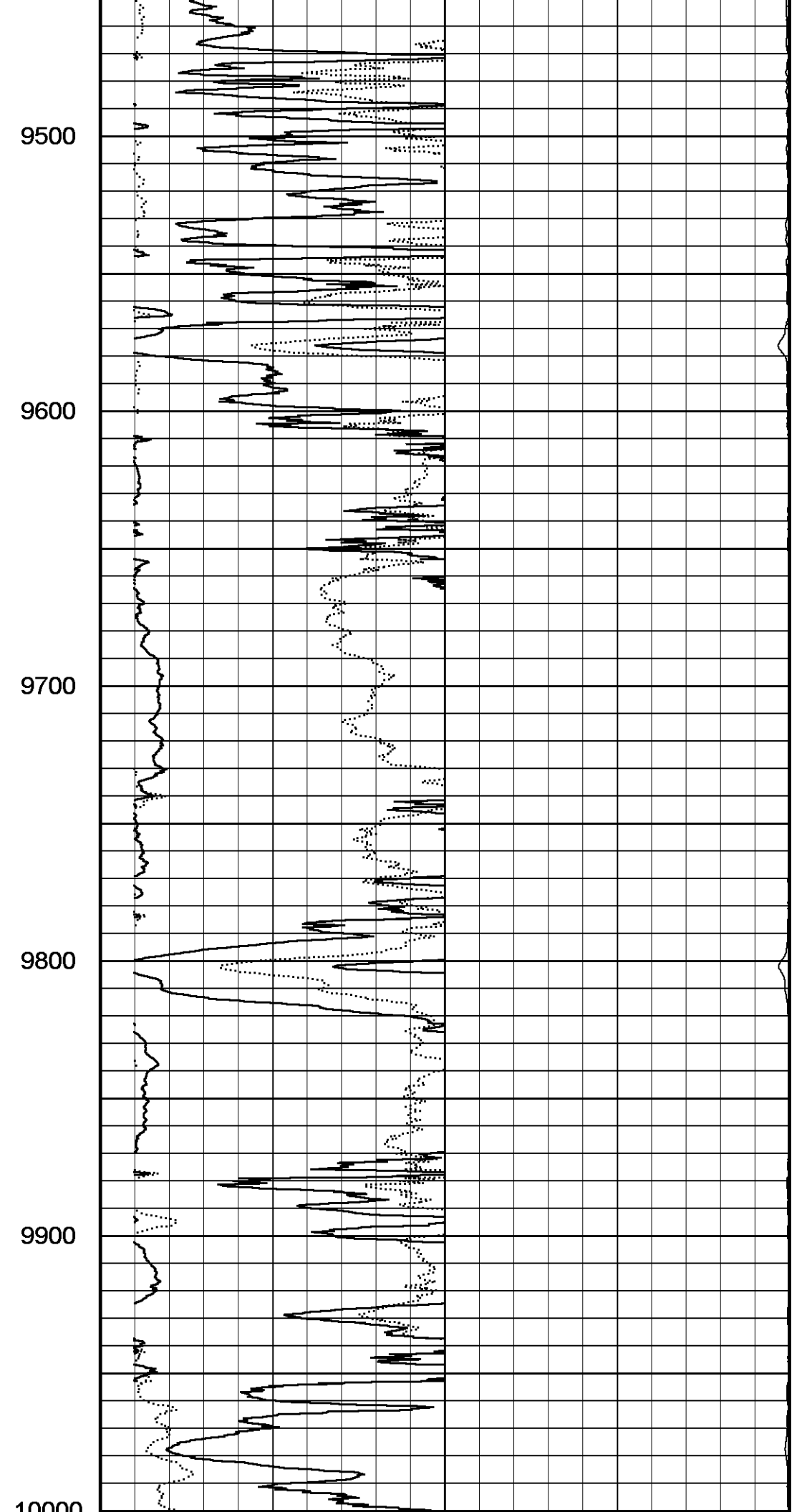
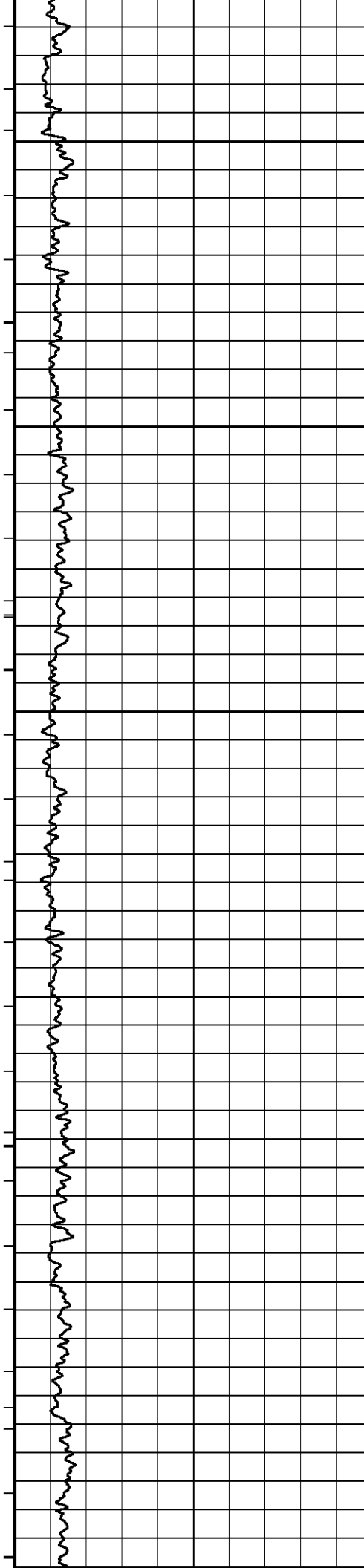
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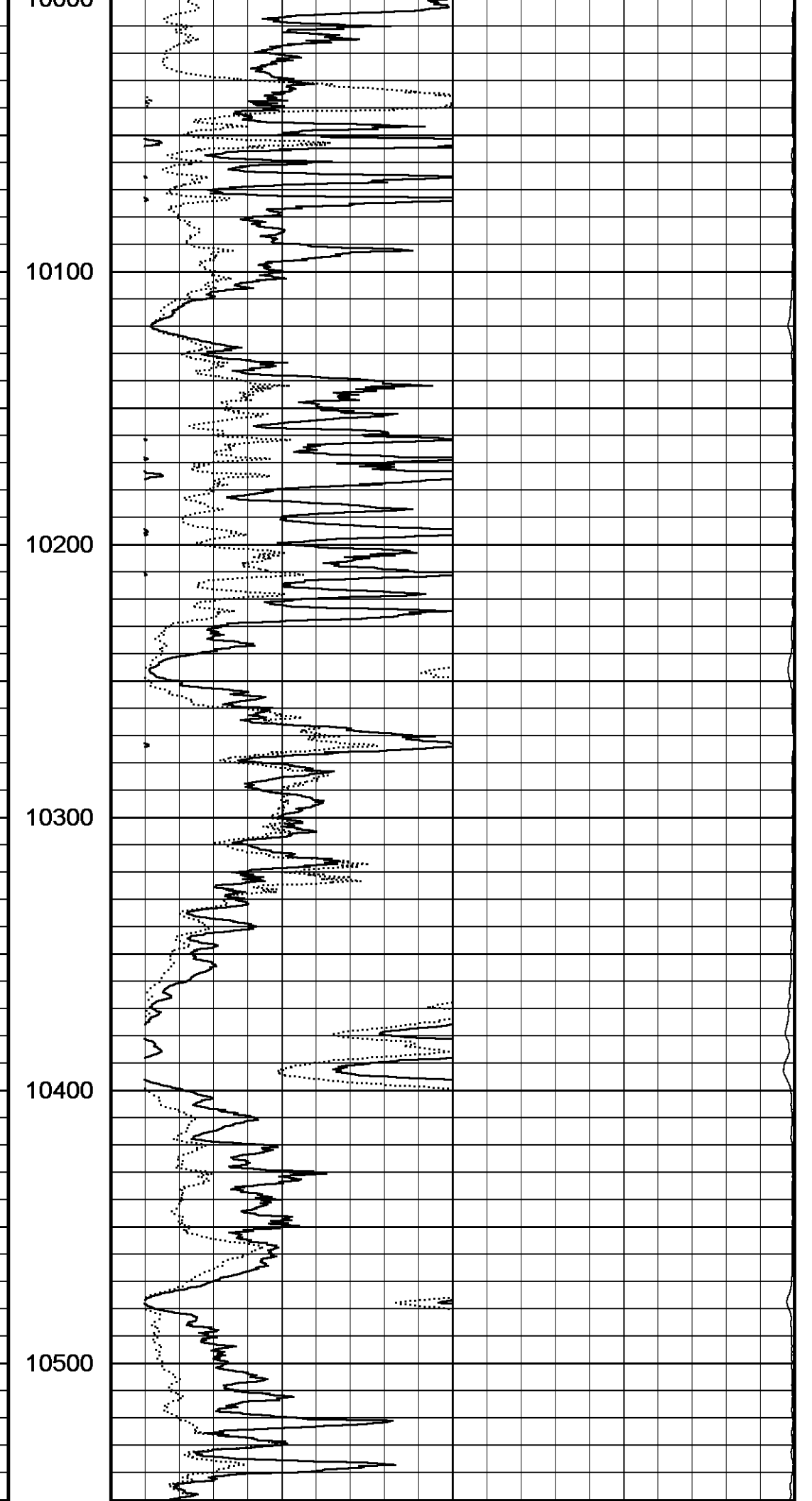
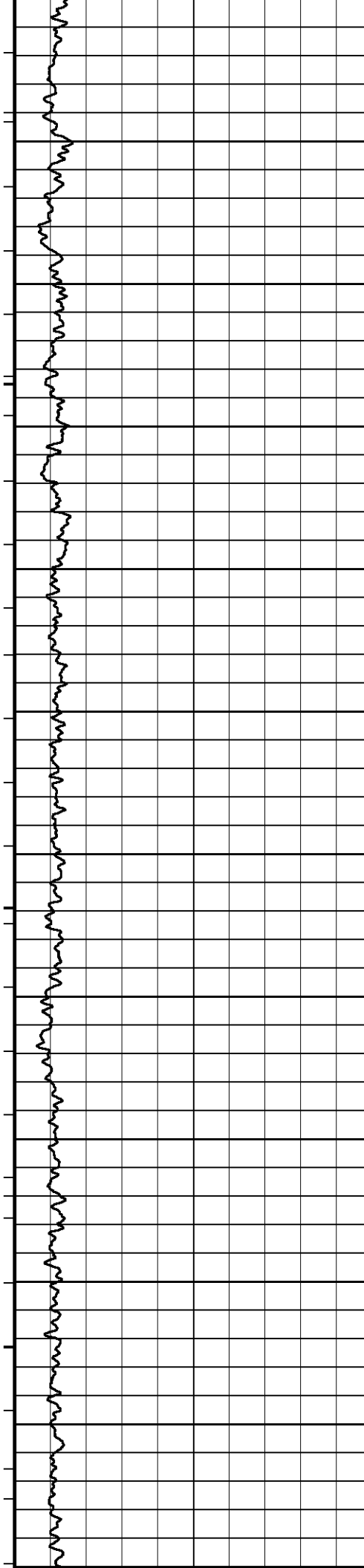


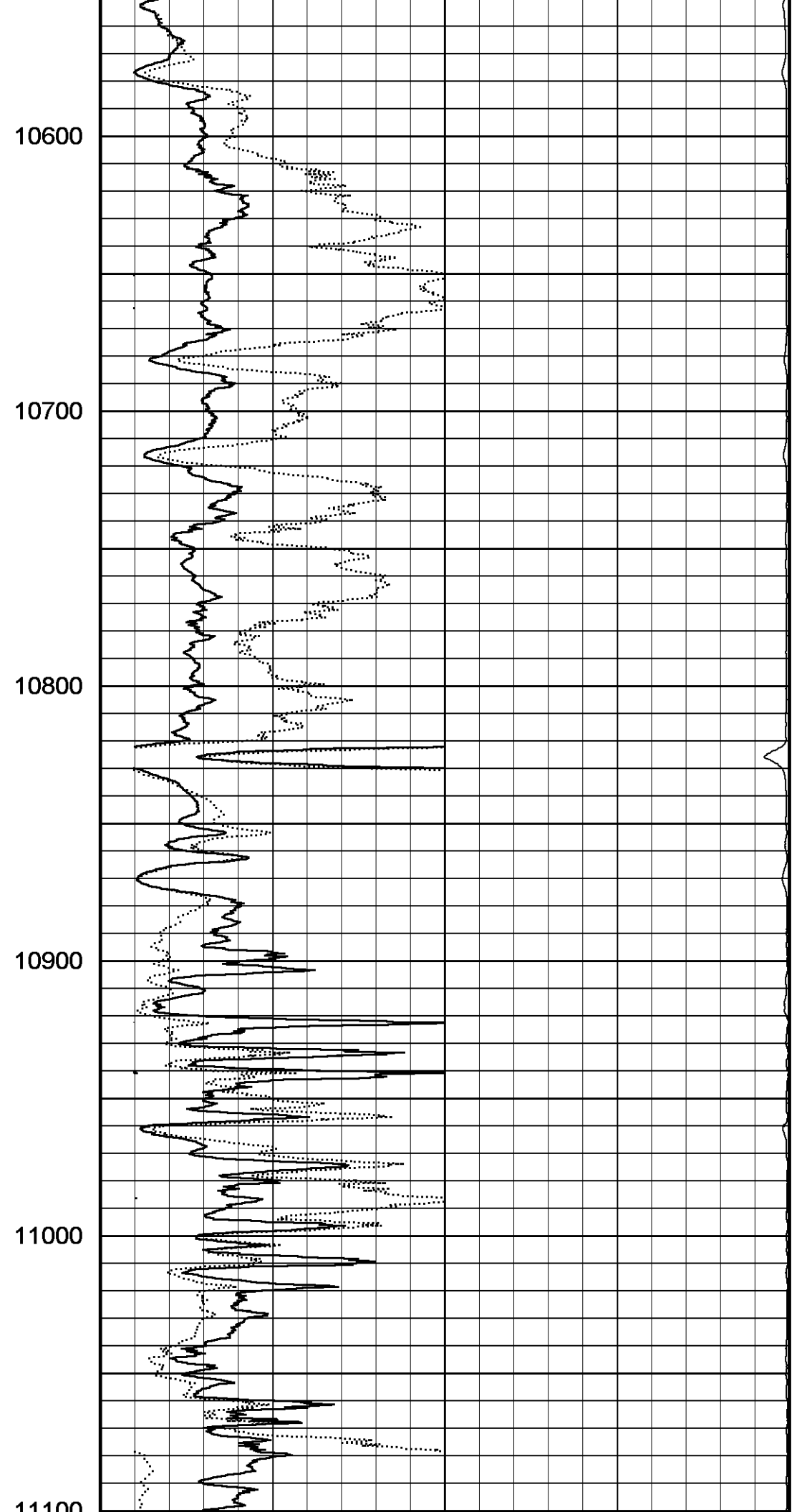
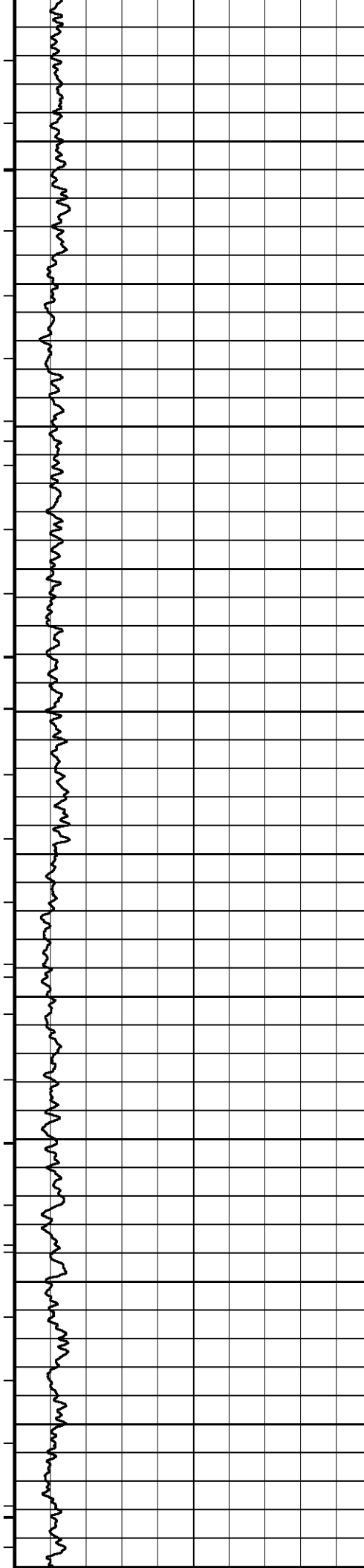


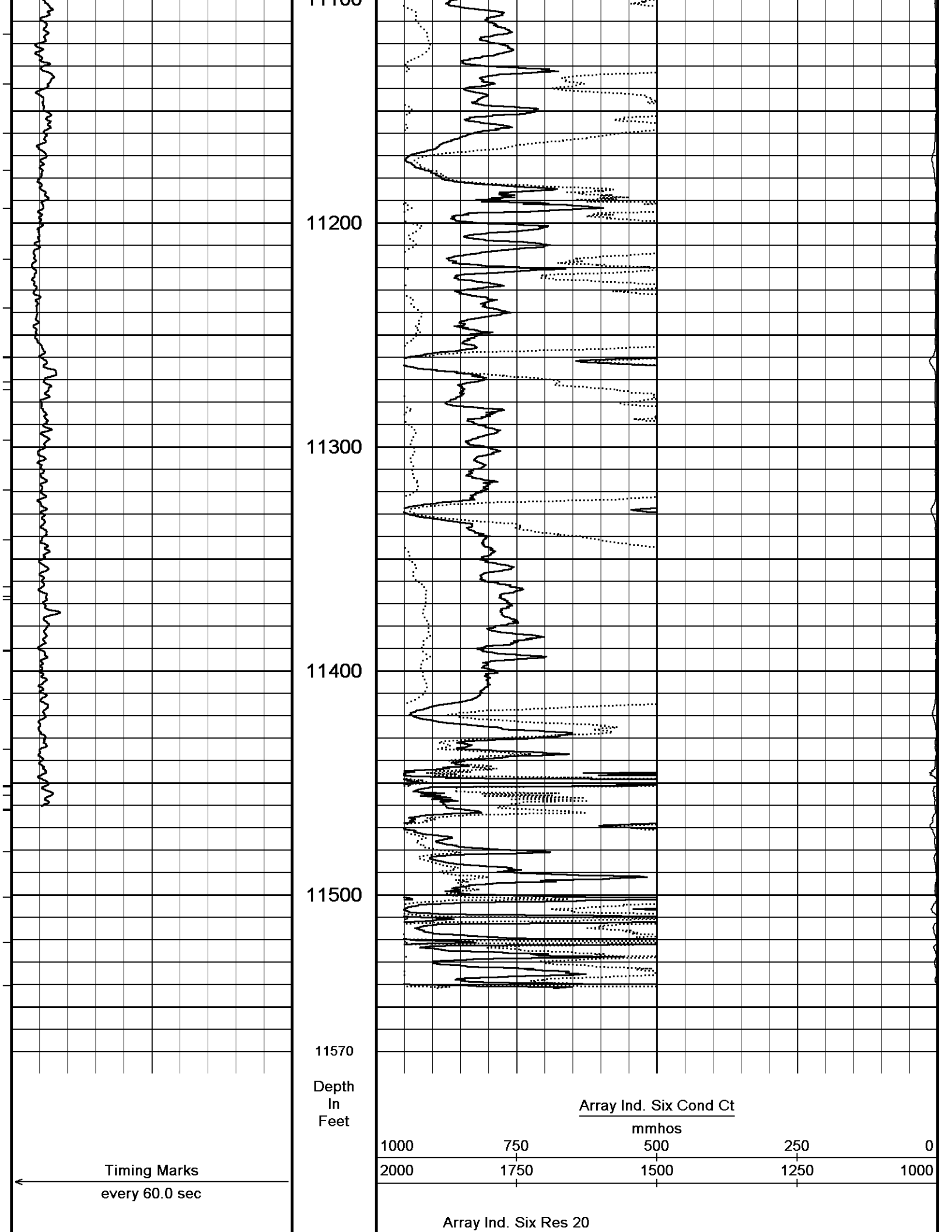
8500
9000
9100
9200
9300
9400











11100
11200
11300
11400
11500
11570

Depth
In
Feet

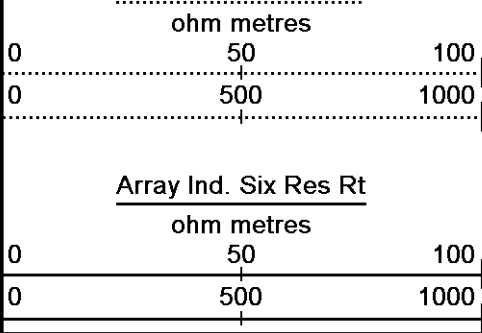
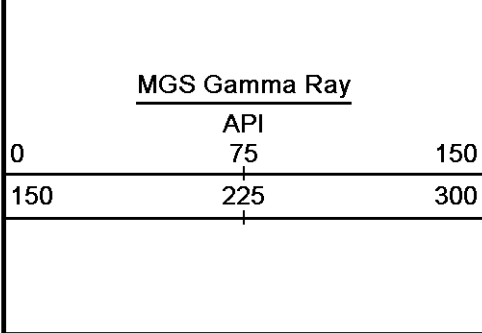
Array Ind. Six Cond Ct

mmhos

1000 750 500 250 0
2000 1750 1500 1250 1000

Timing Marks
every 60.0 sec

Array Ind. Six Res 20

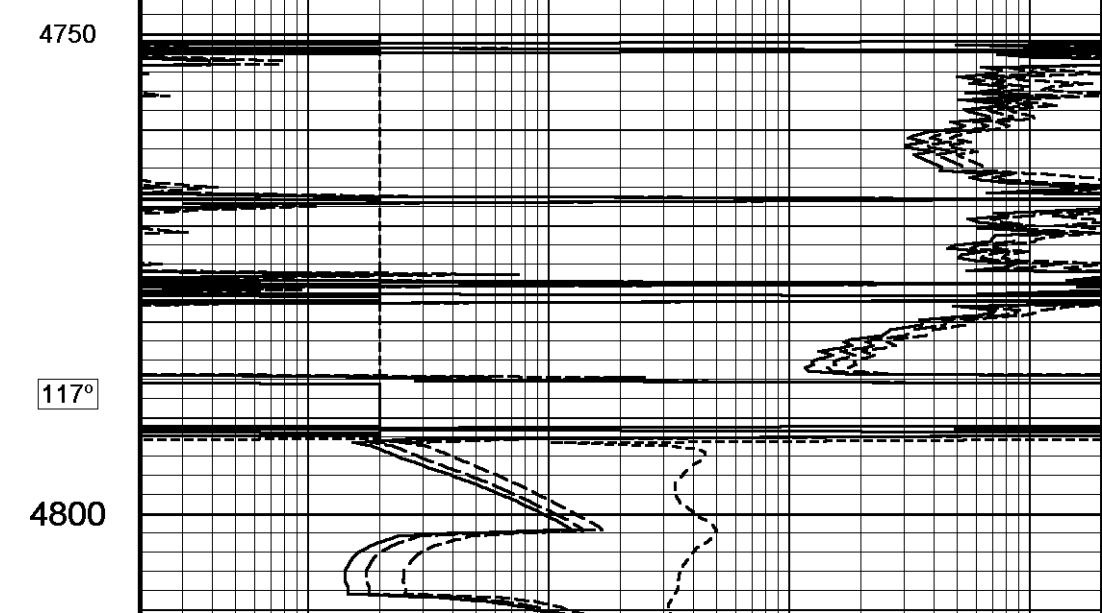
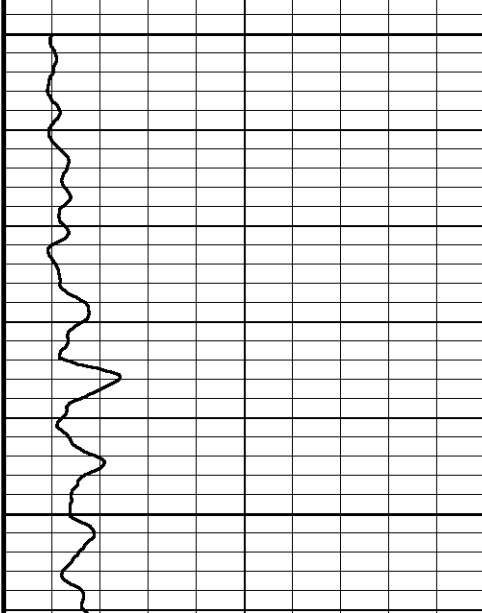
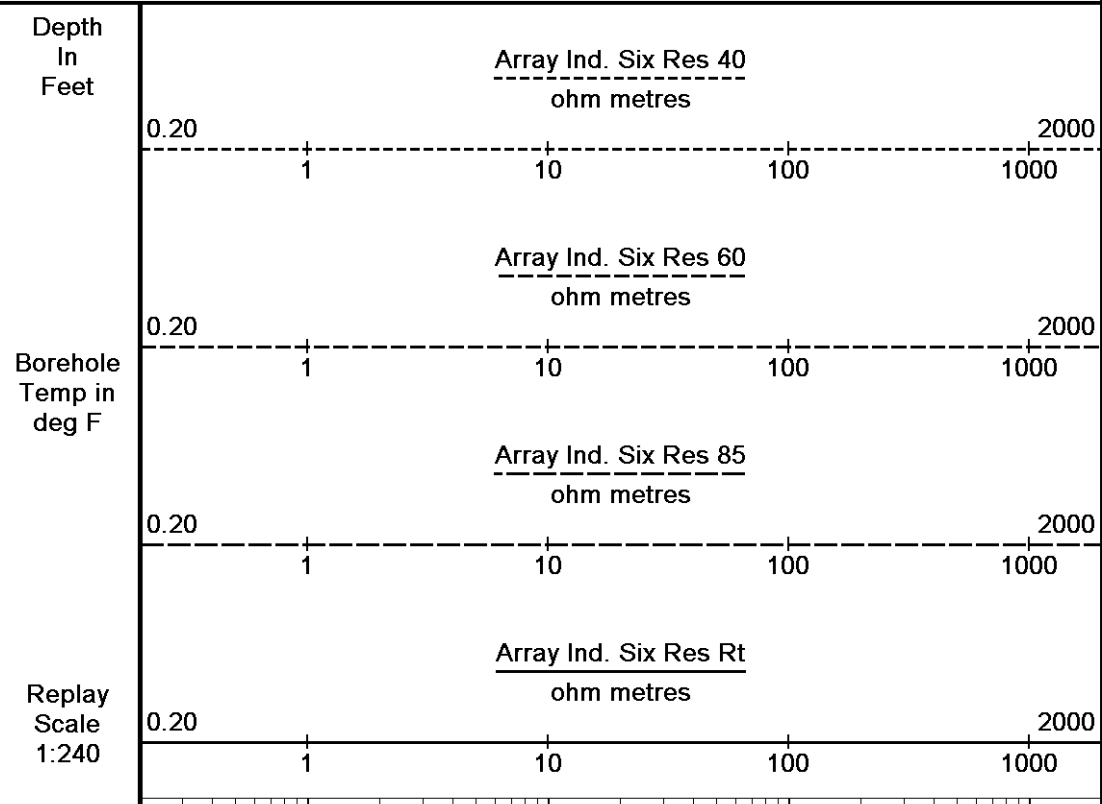
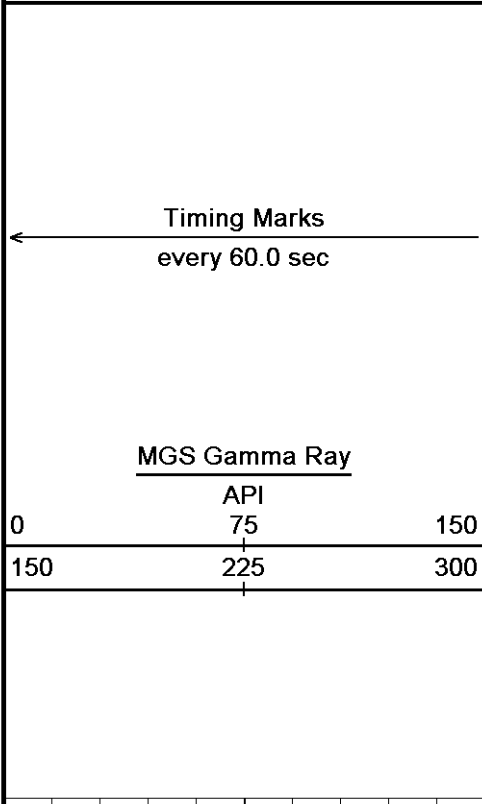


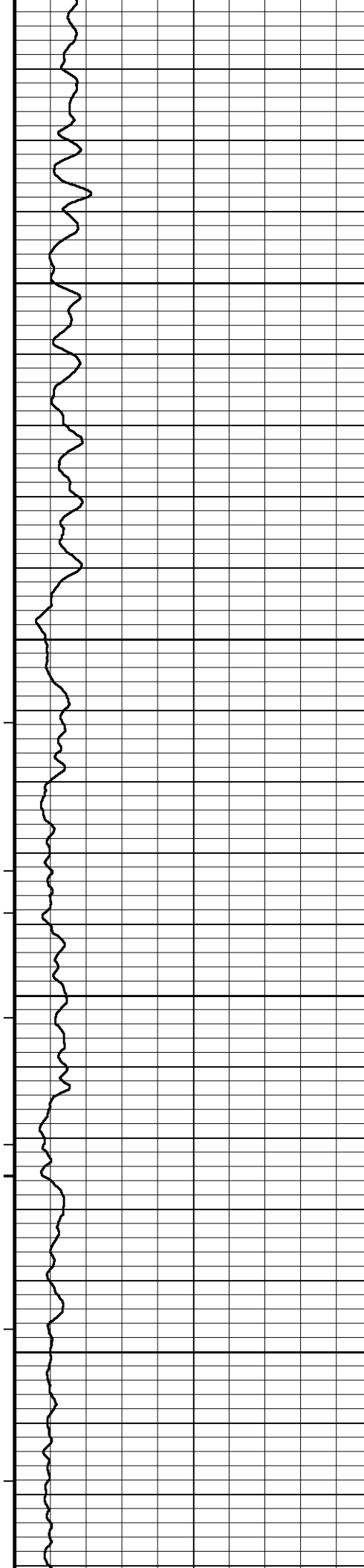
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↑ DSC ↑

↓ DSC ↓

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119°

4850

120°

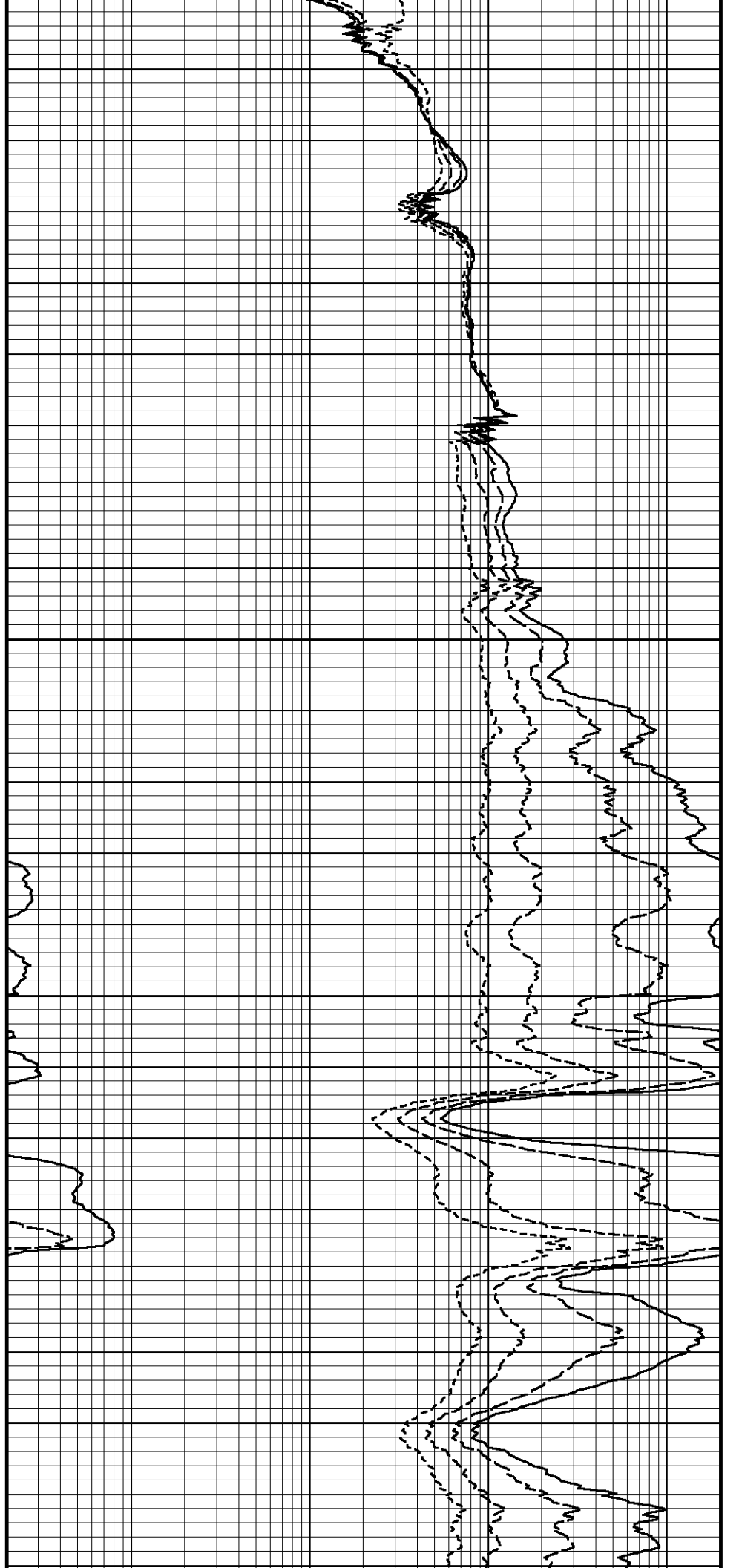
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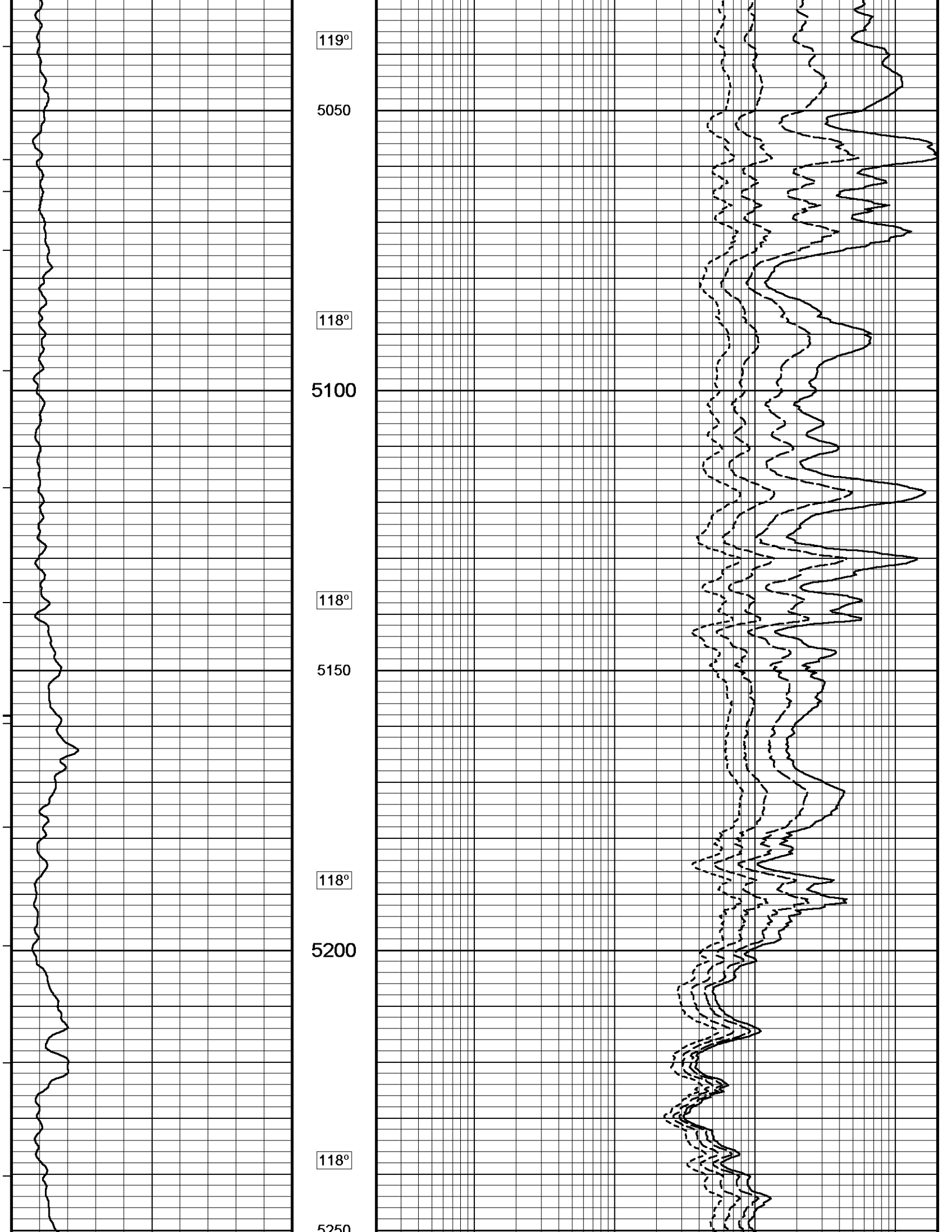
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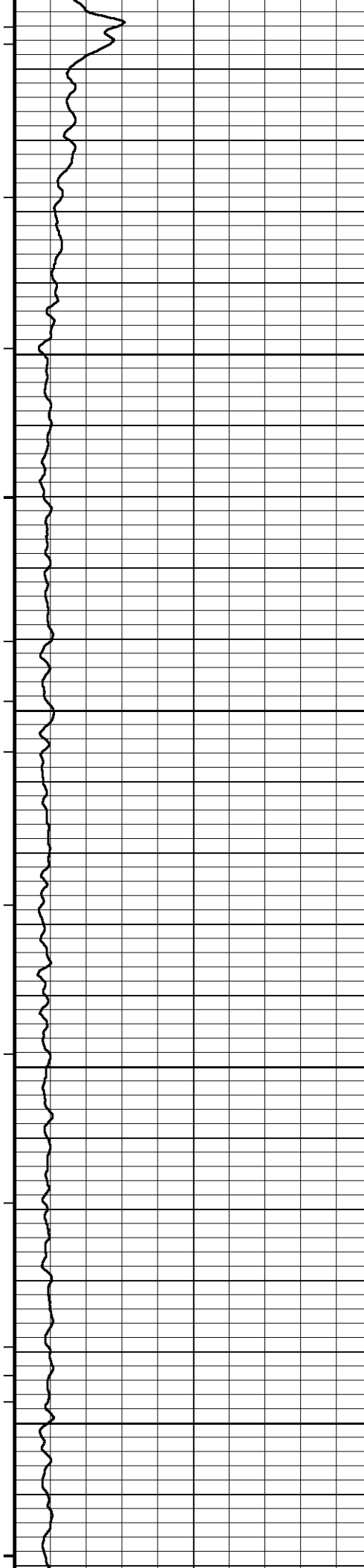
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119°

5000







5250

118°

5300

119°

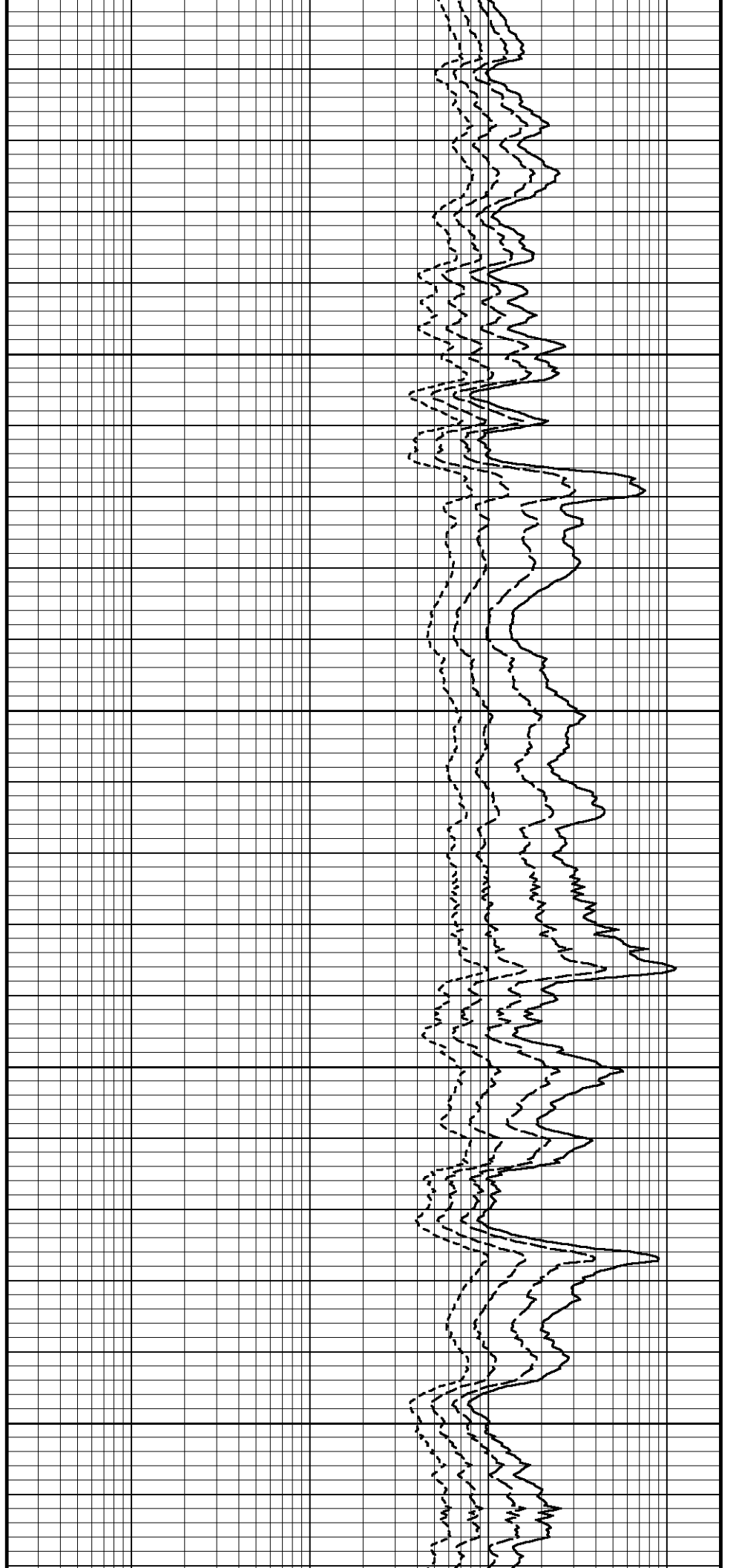
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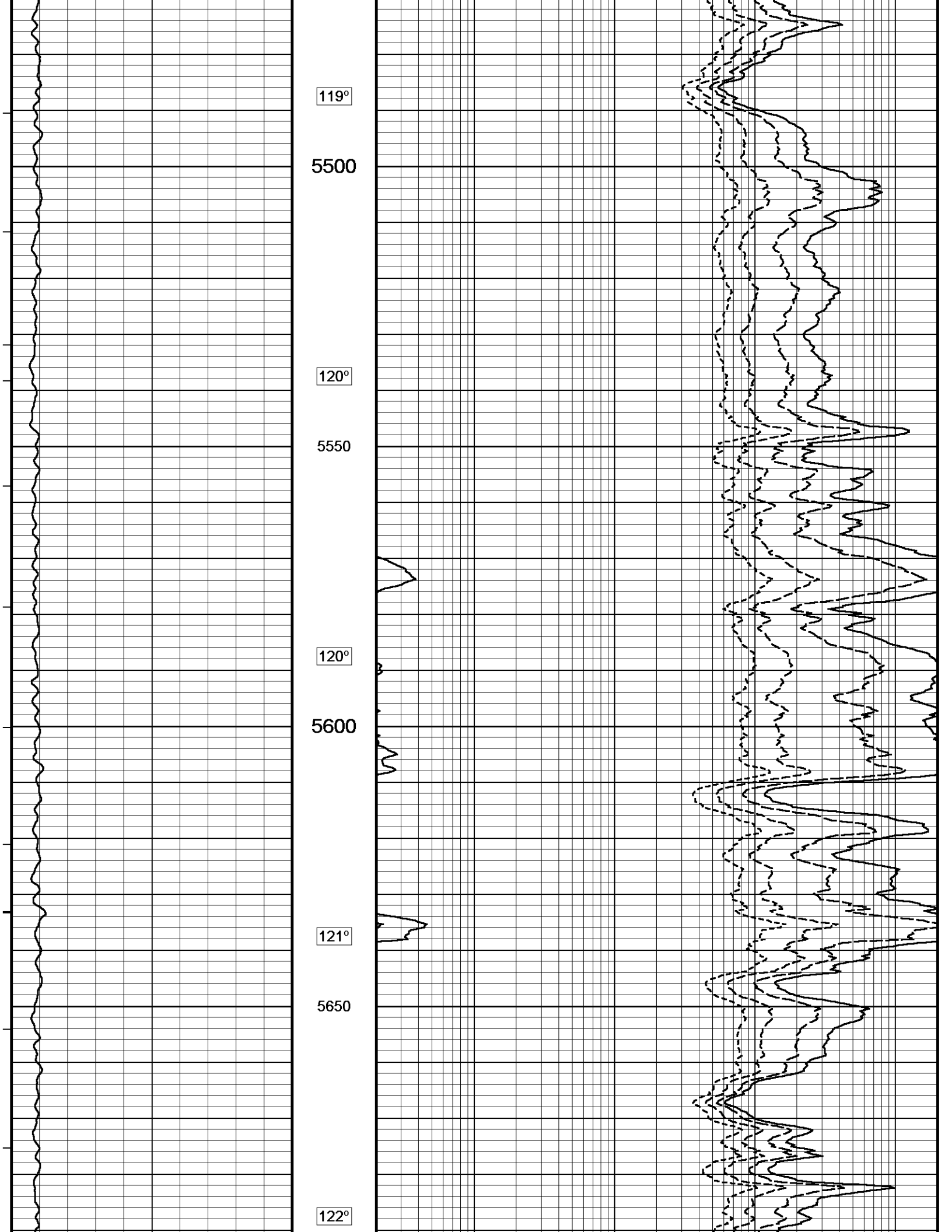
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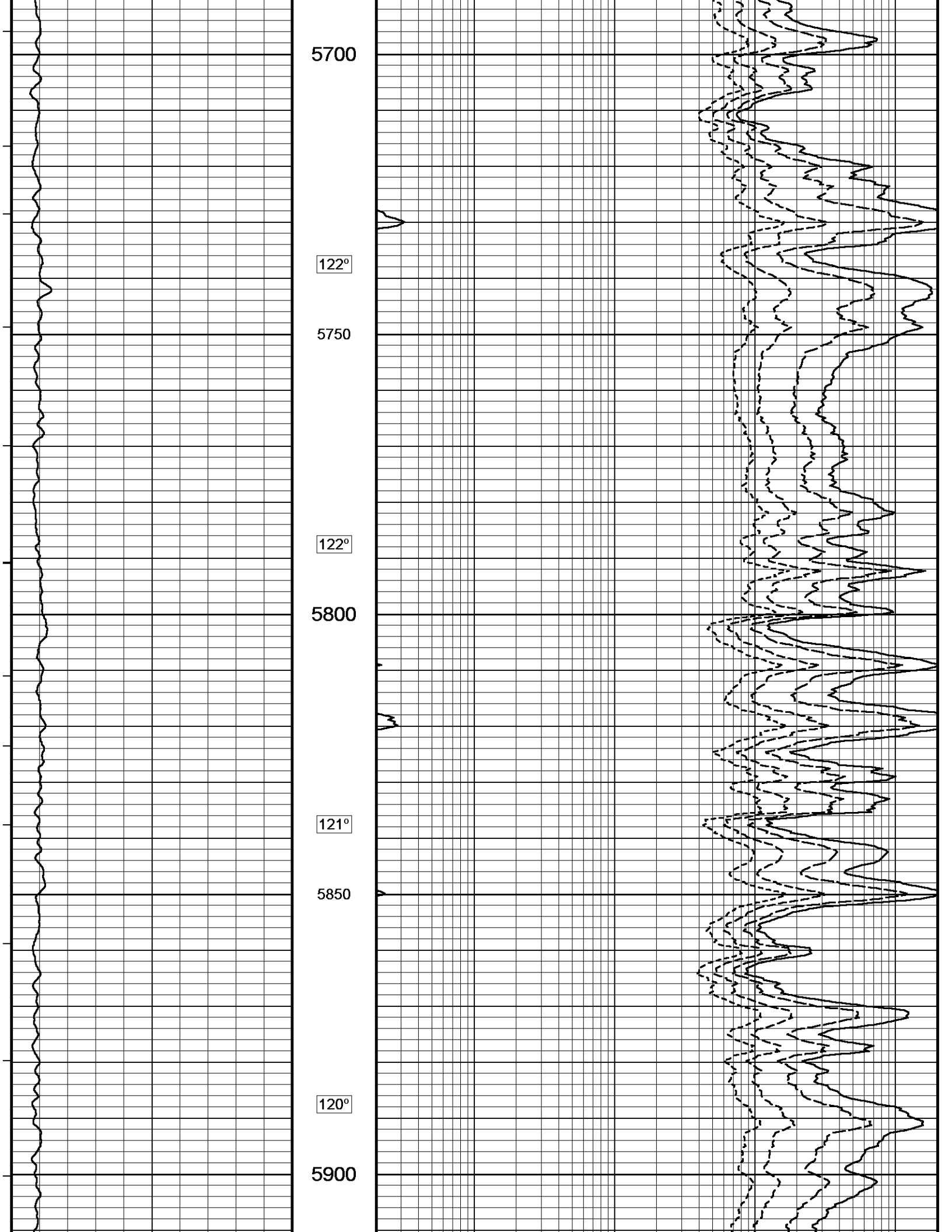
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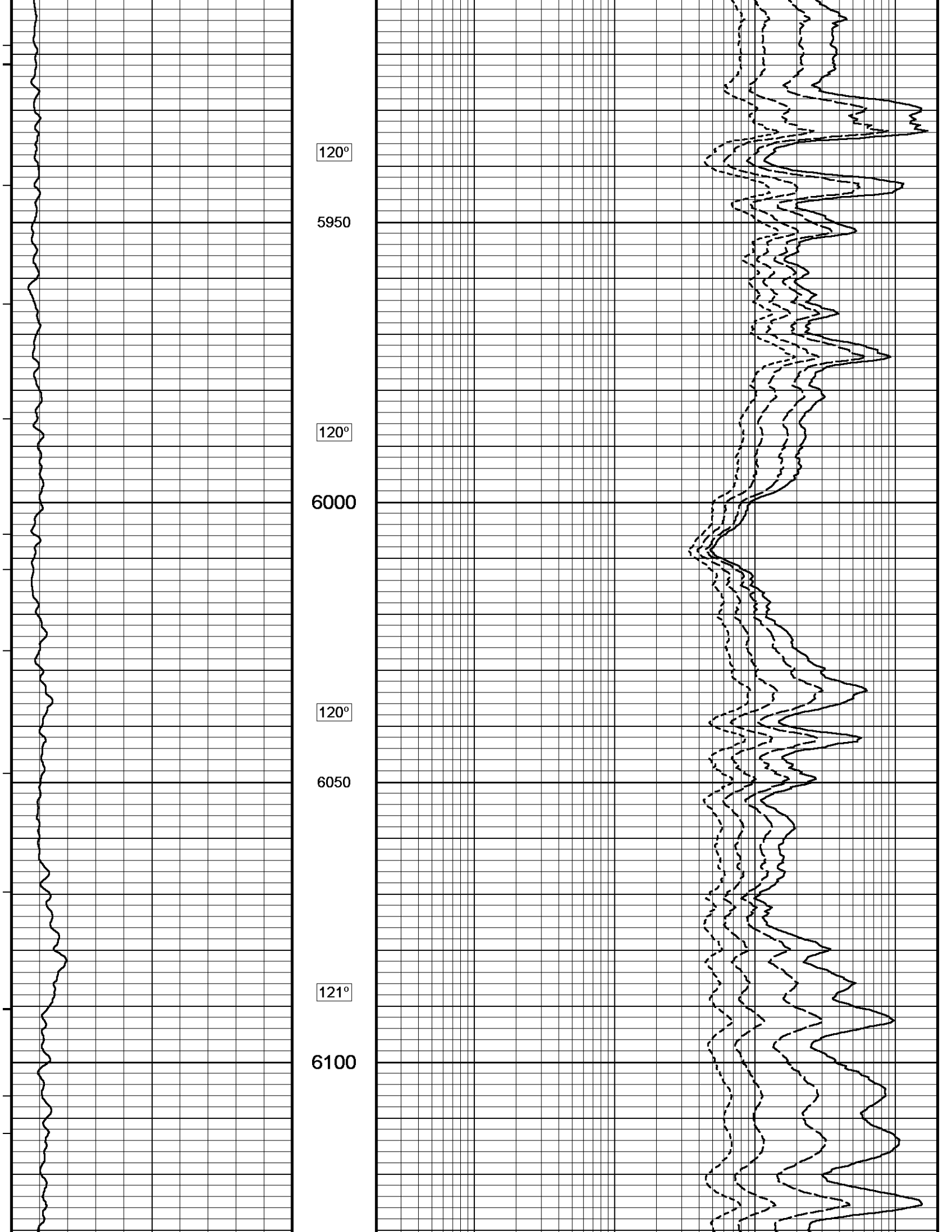
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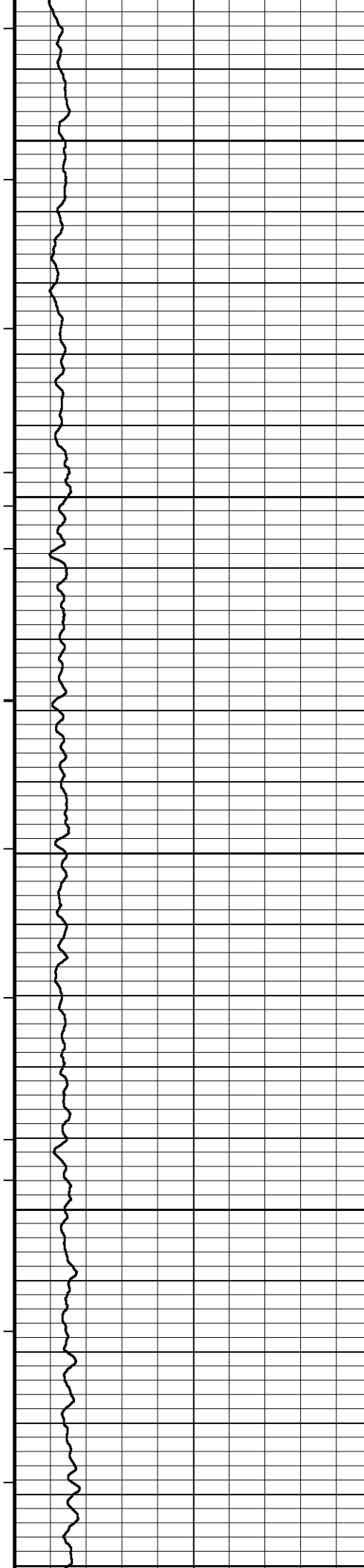
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121°

6150

121°

6200

121°

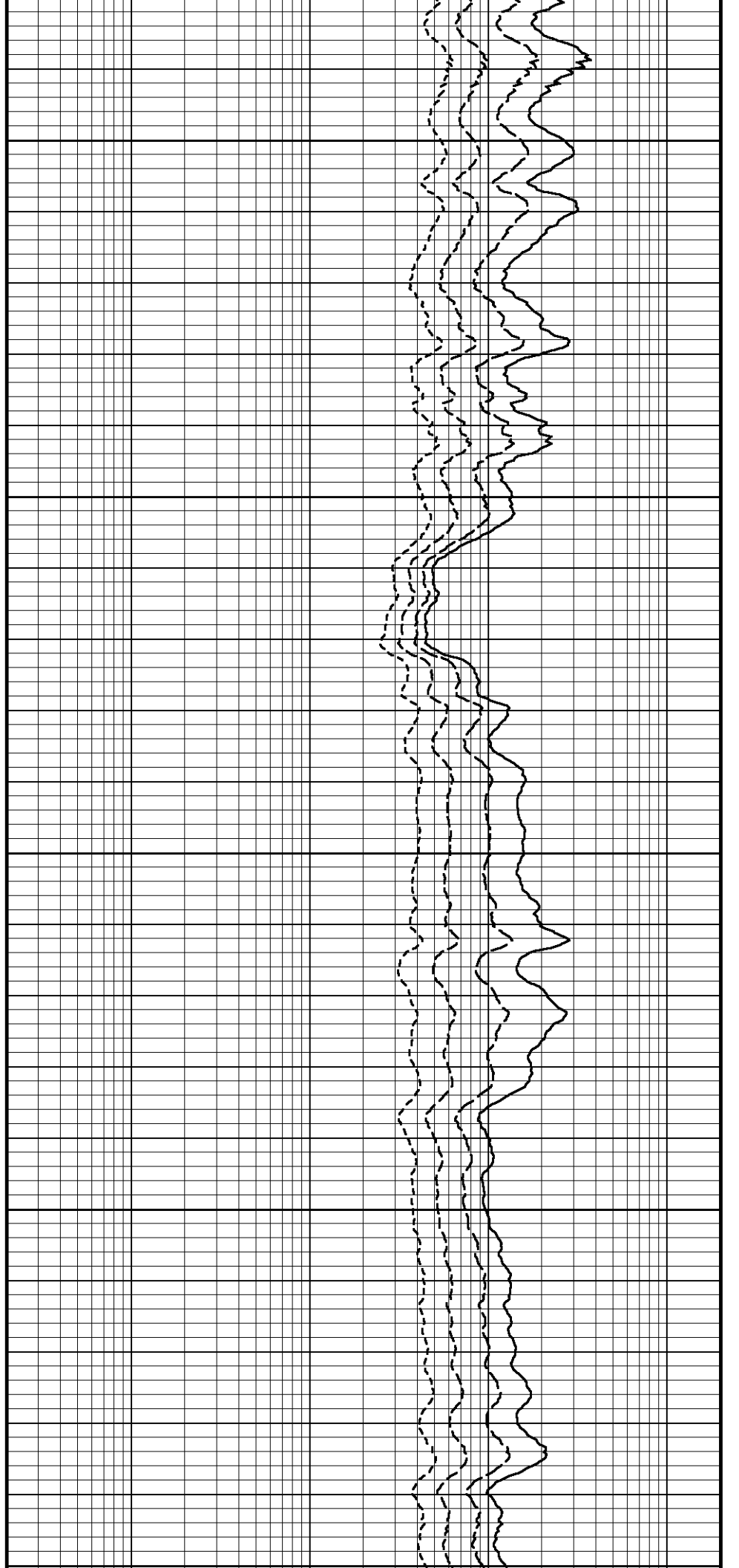
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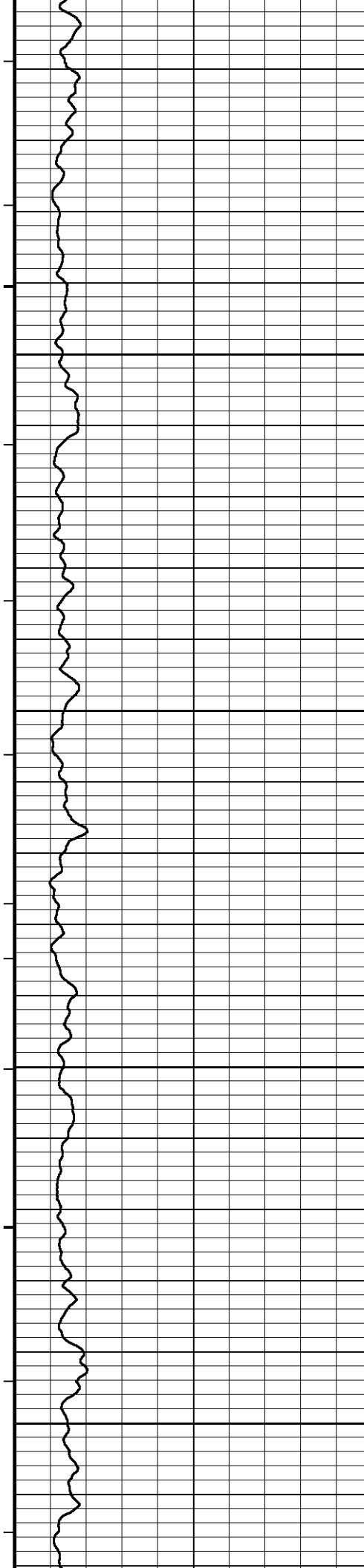
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6300

122°

6350





6530

122°

6400

123°

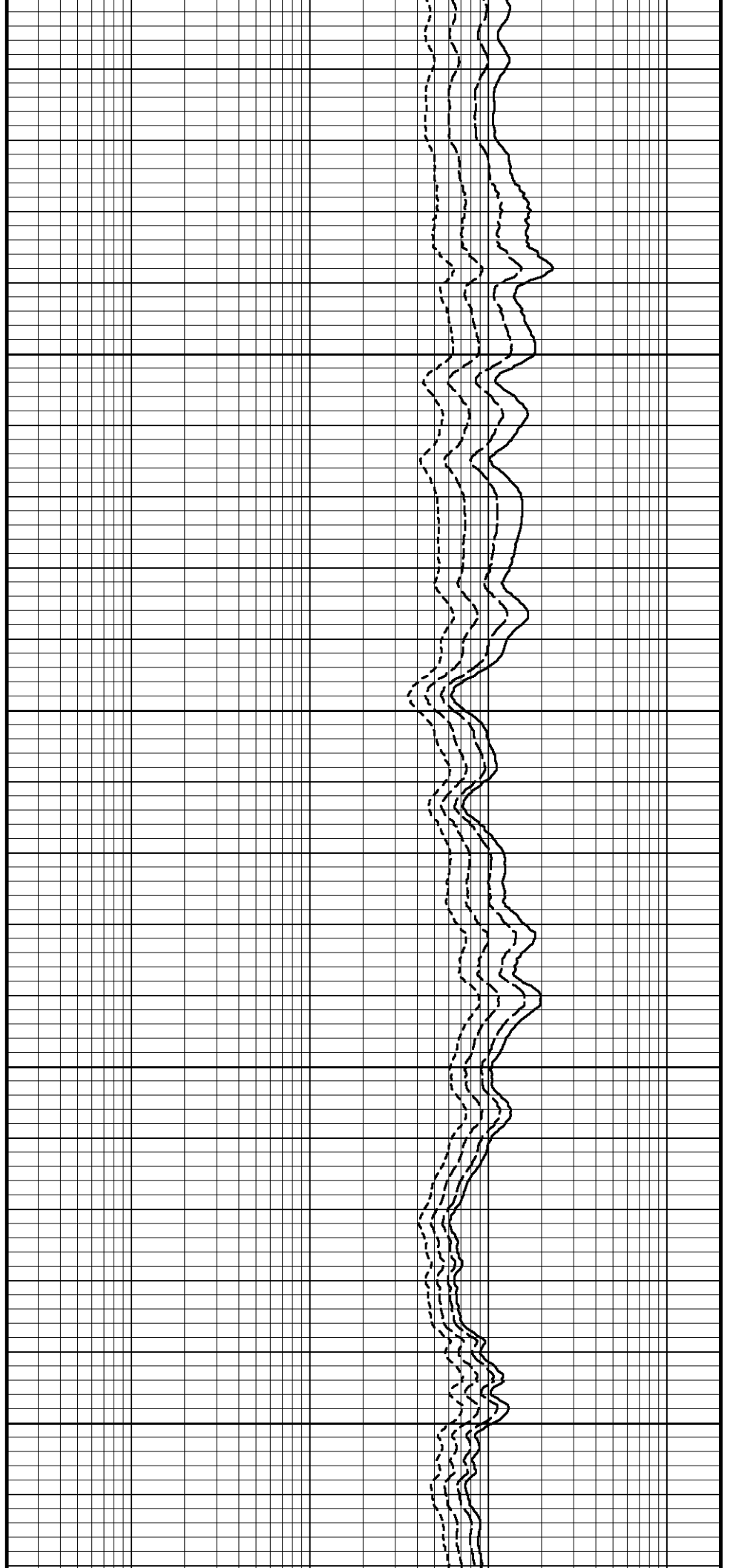
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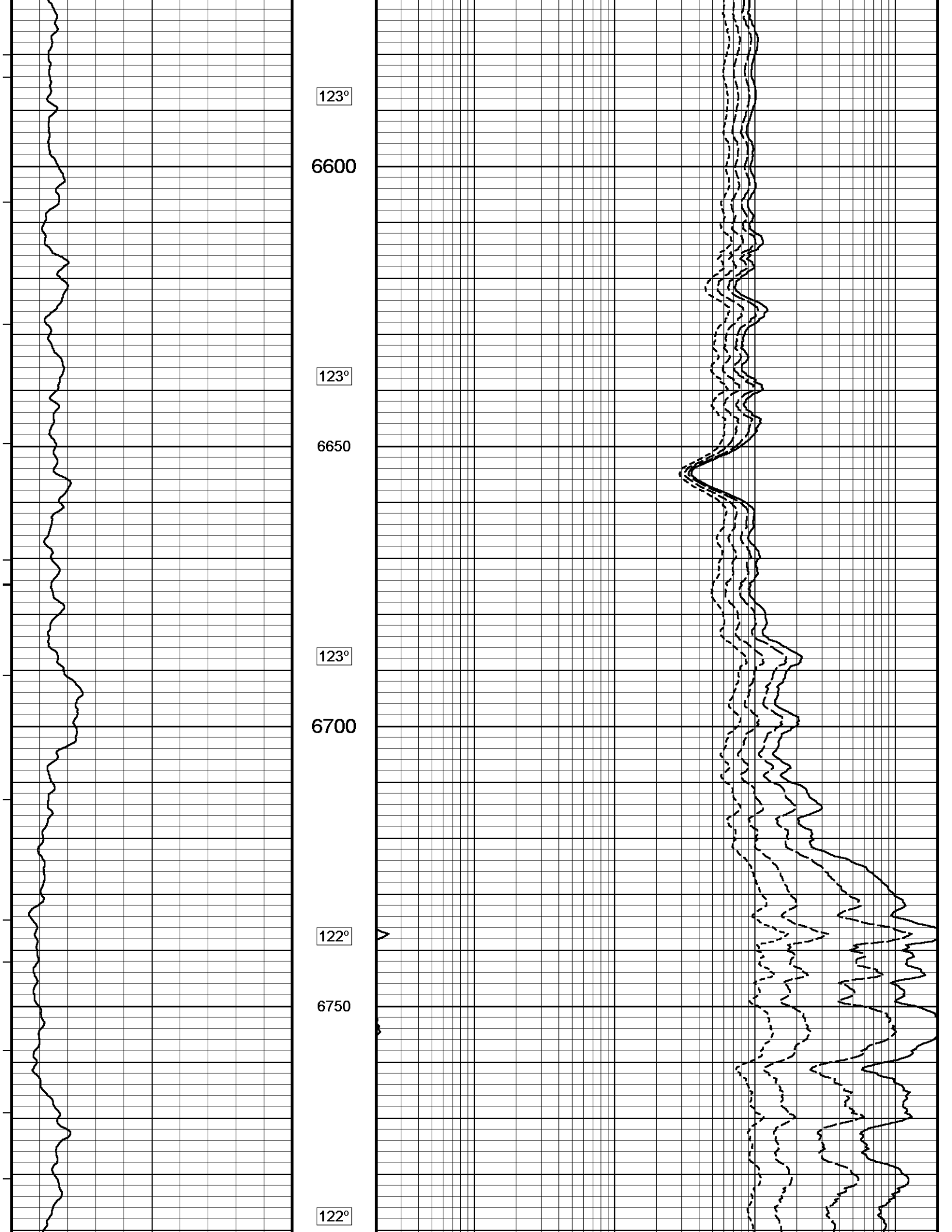
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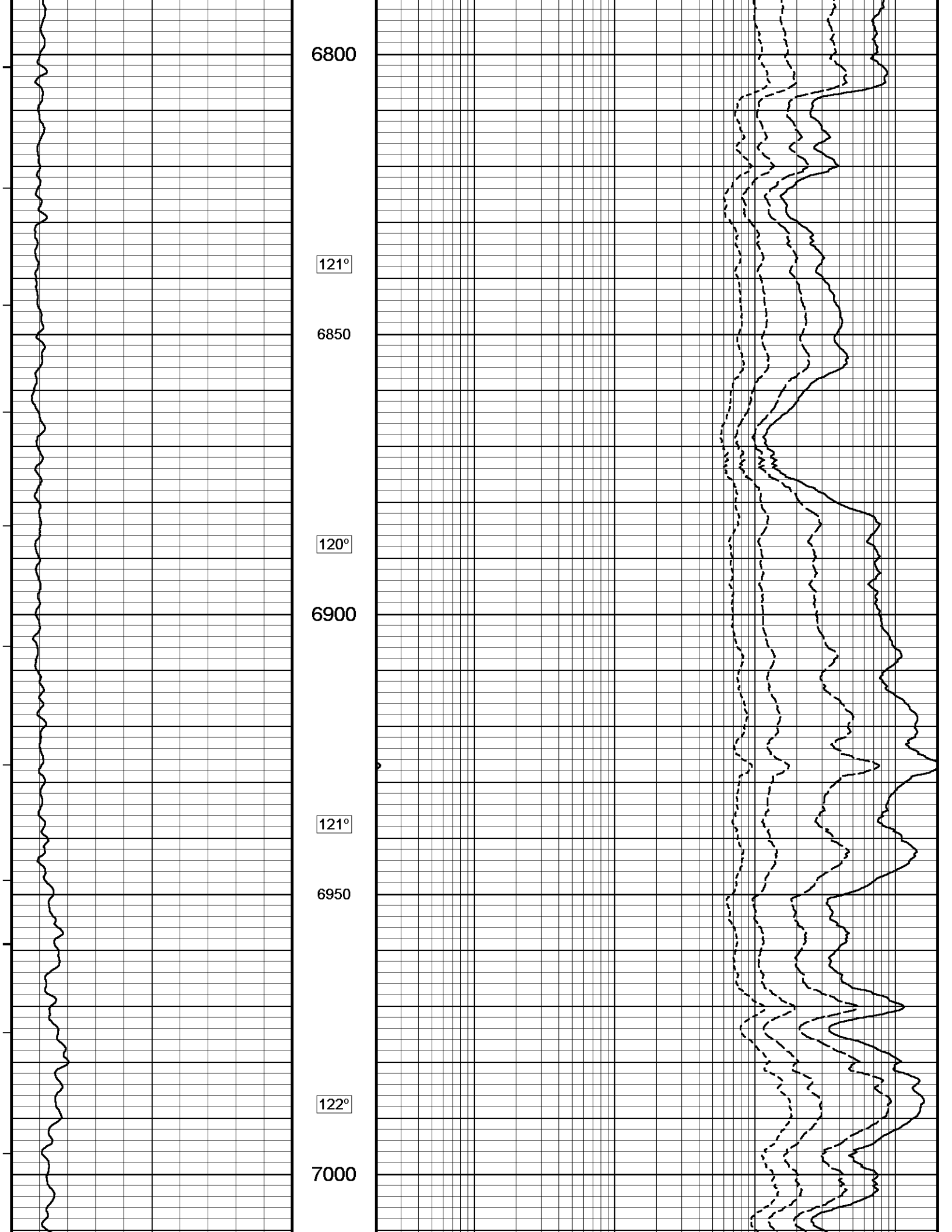
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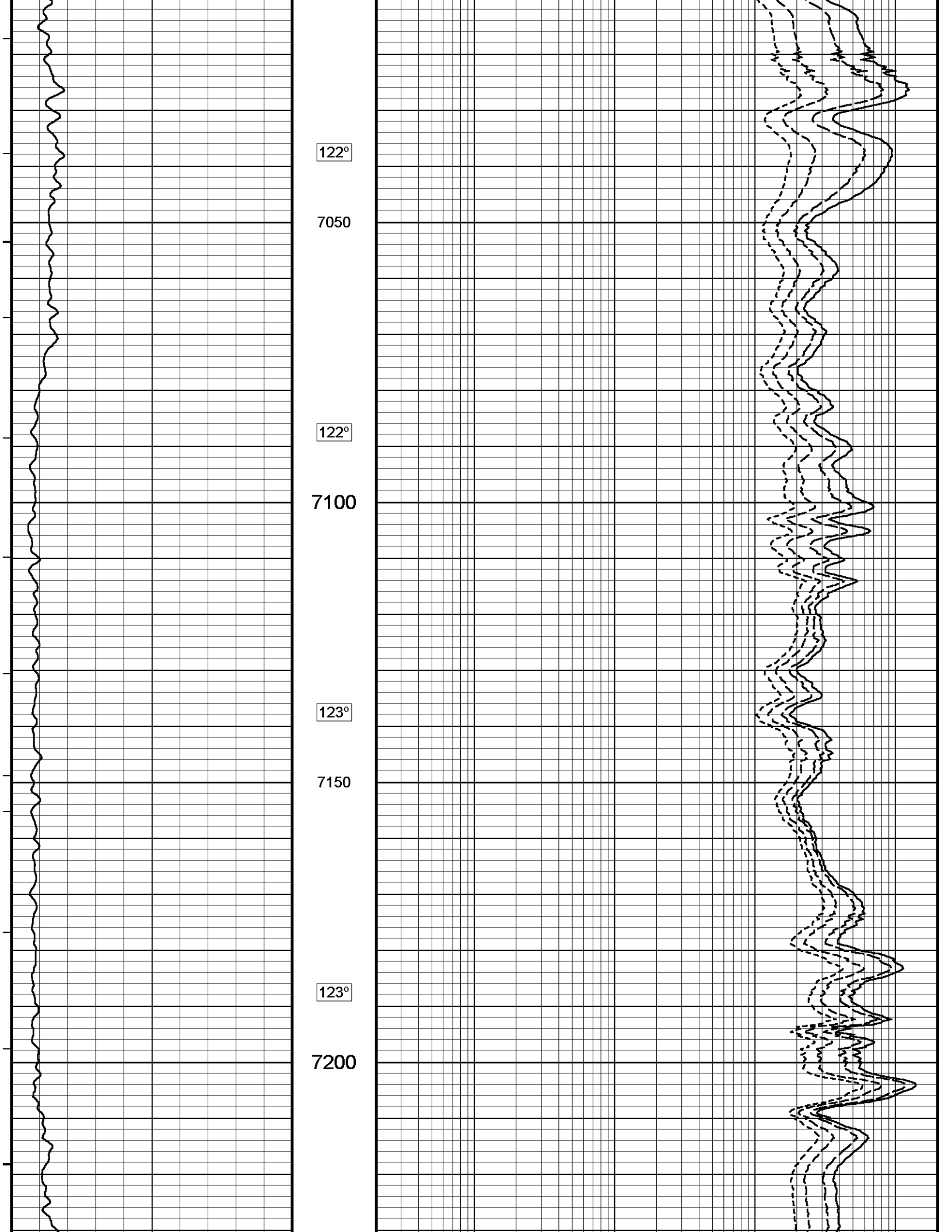
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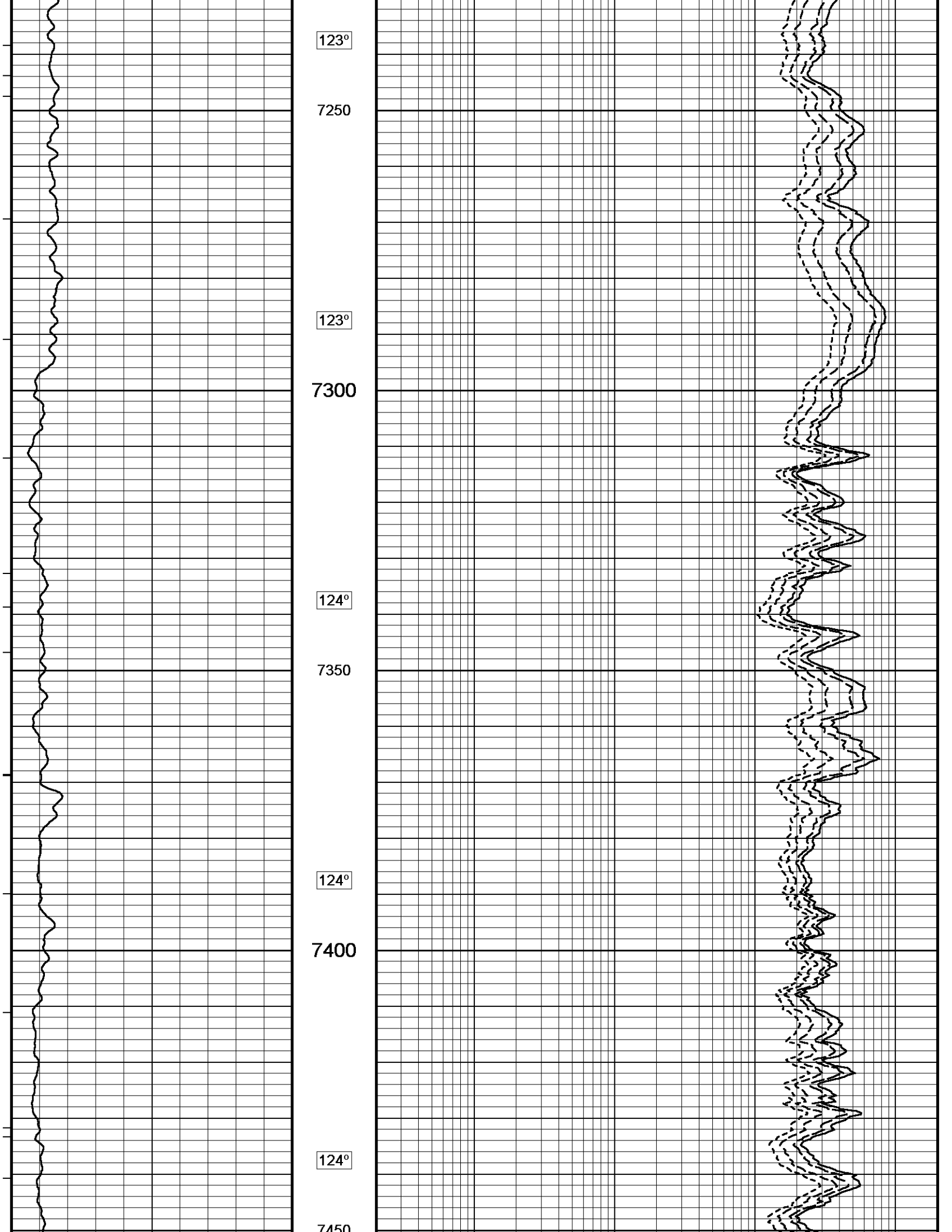
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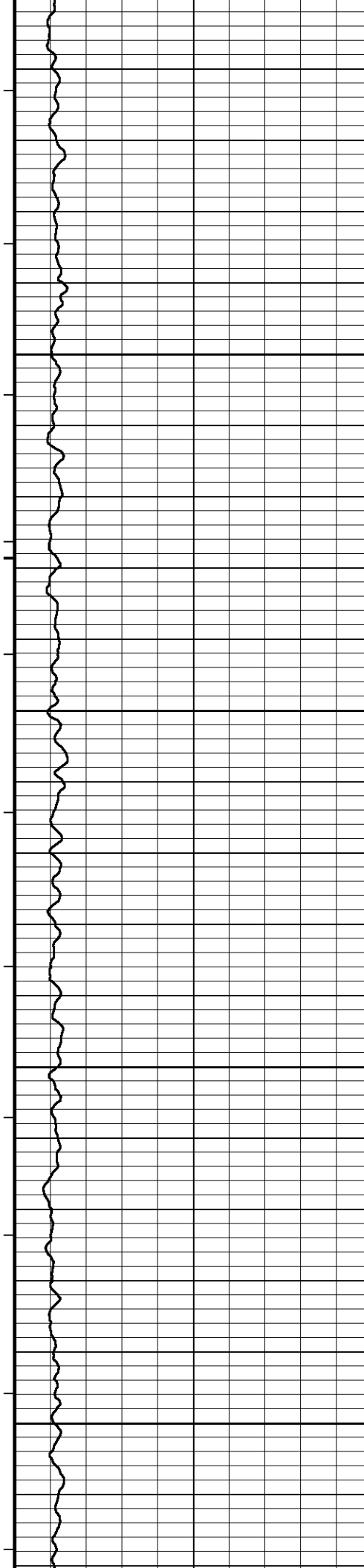












7450

125°

7500

125°

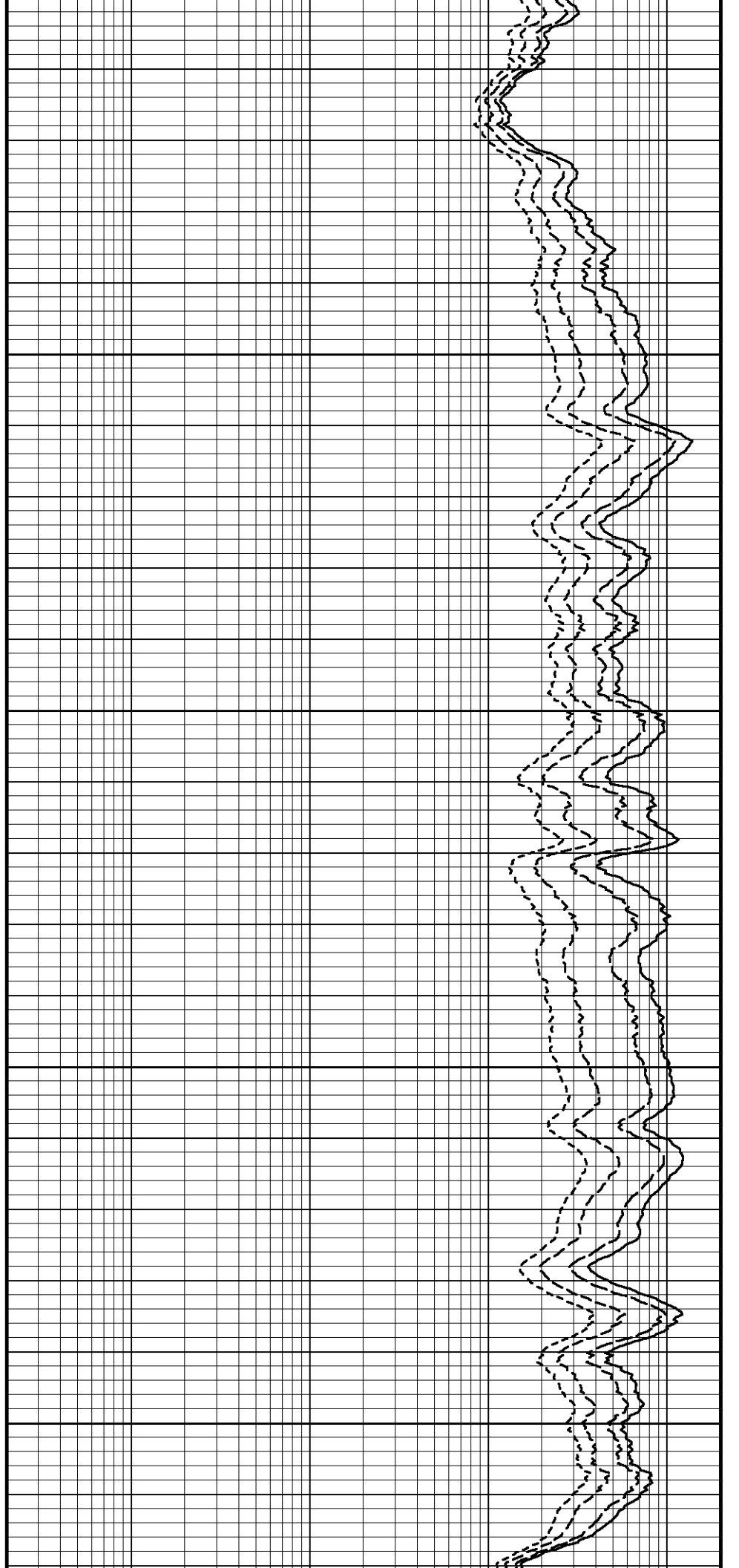
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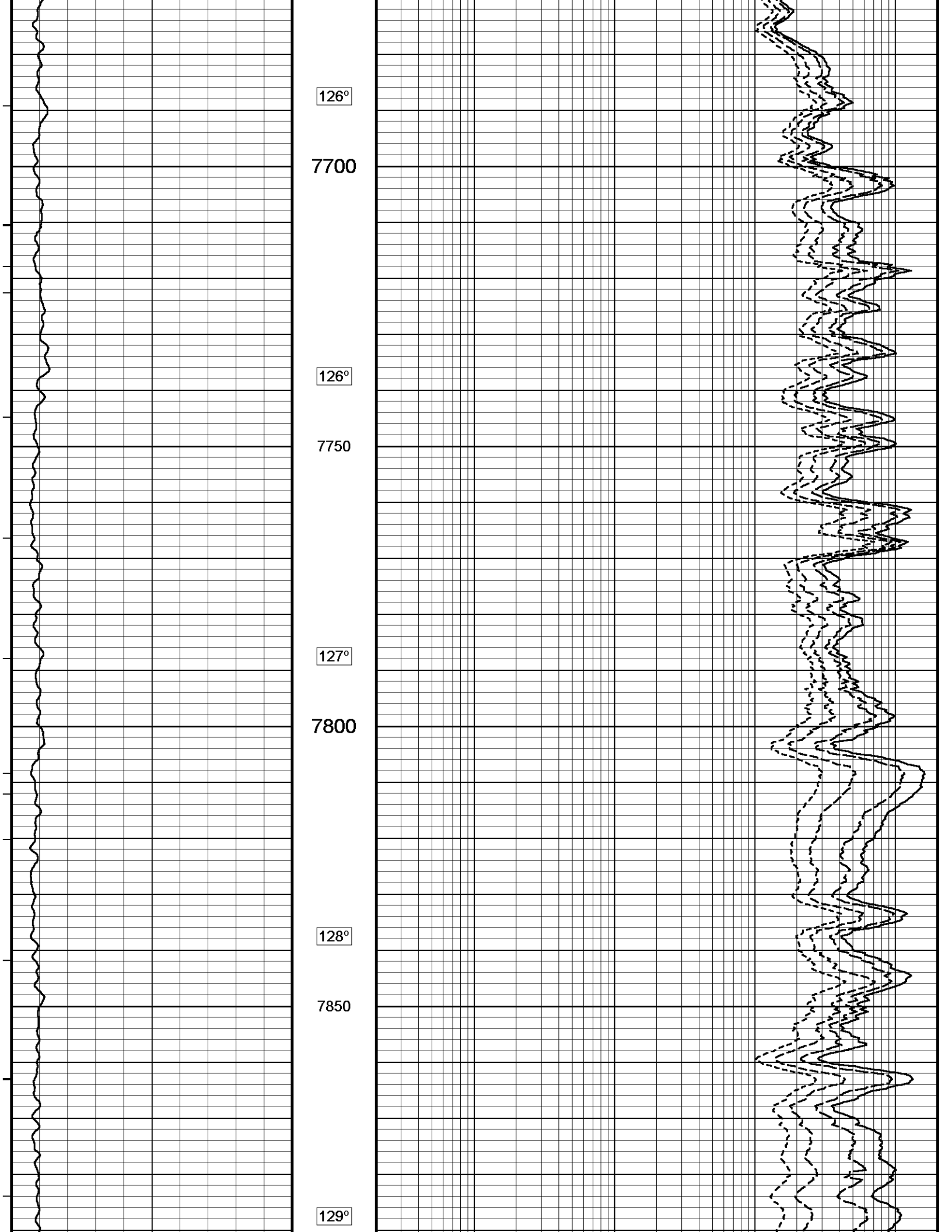
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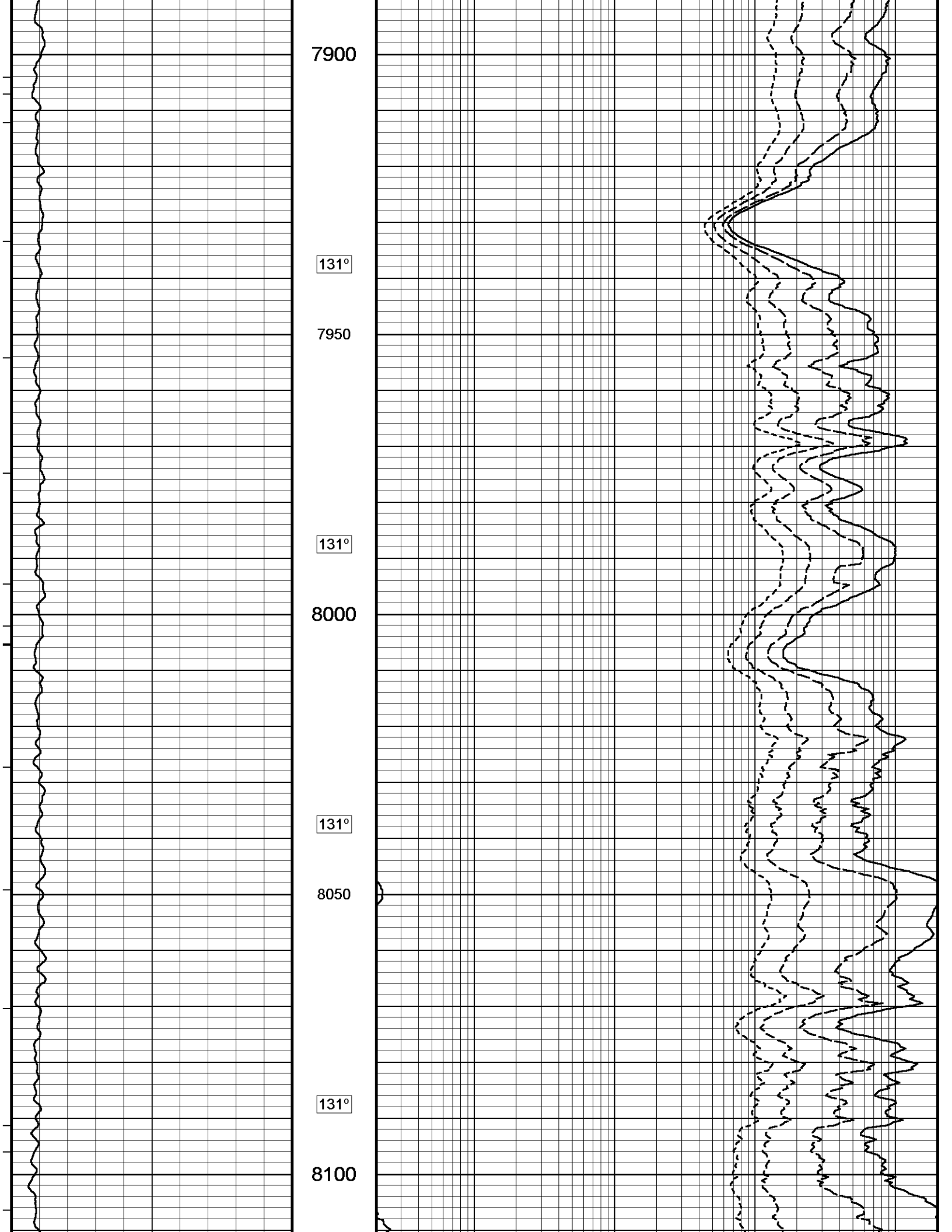
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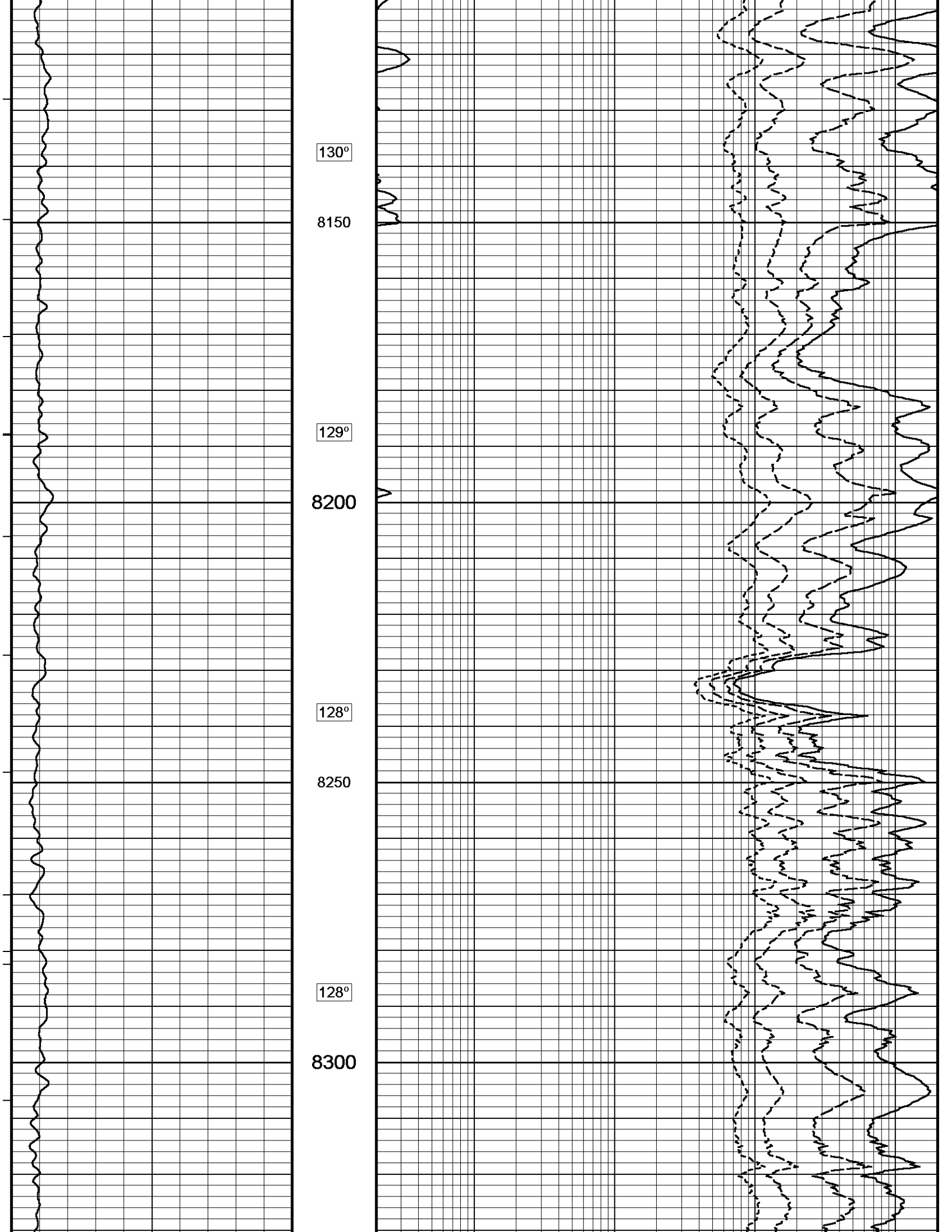
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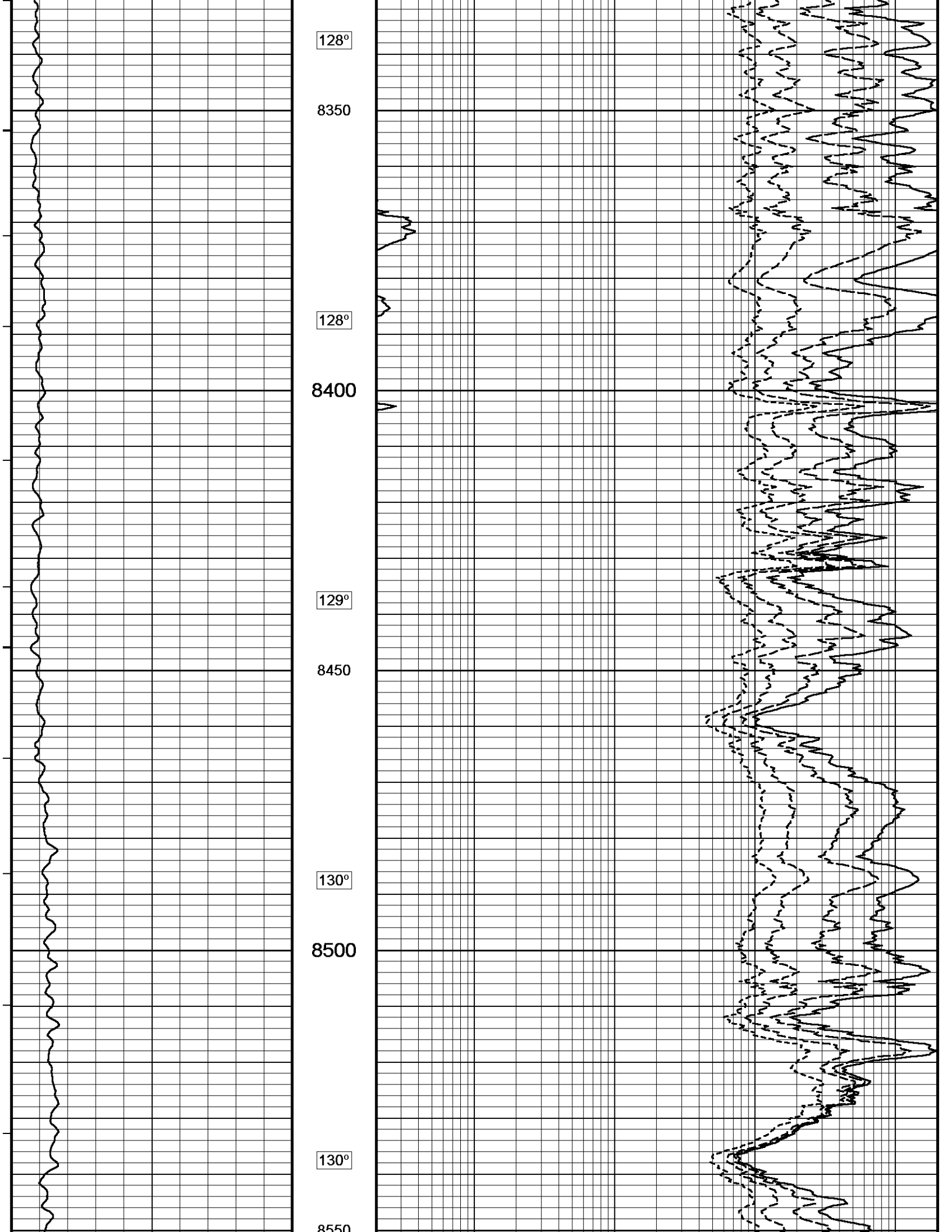
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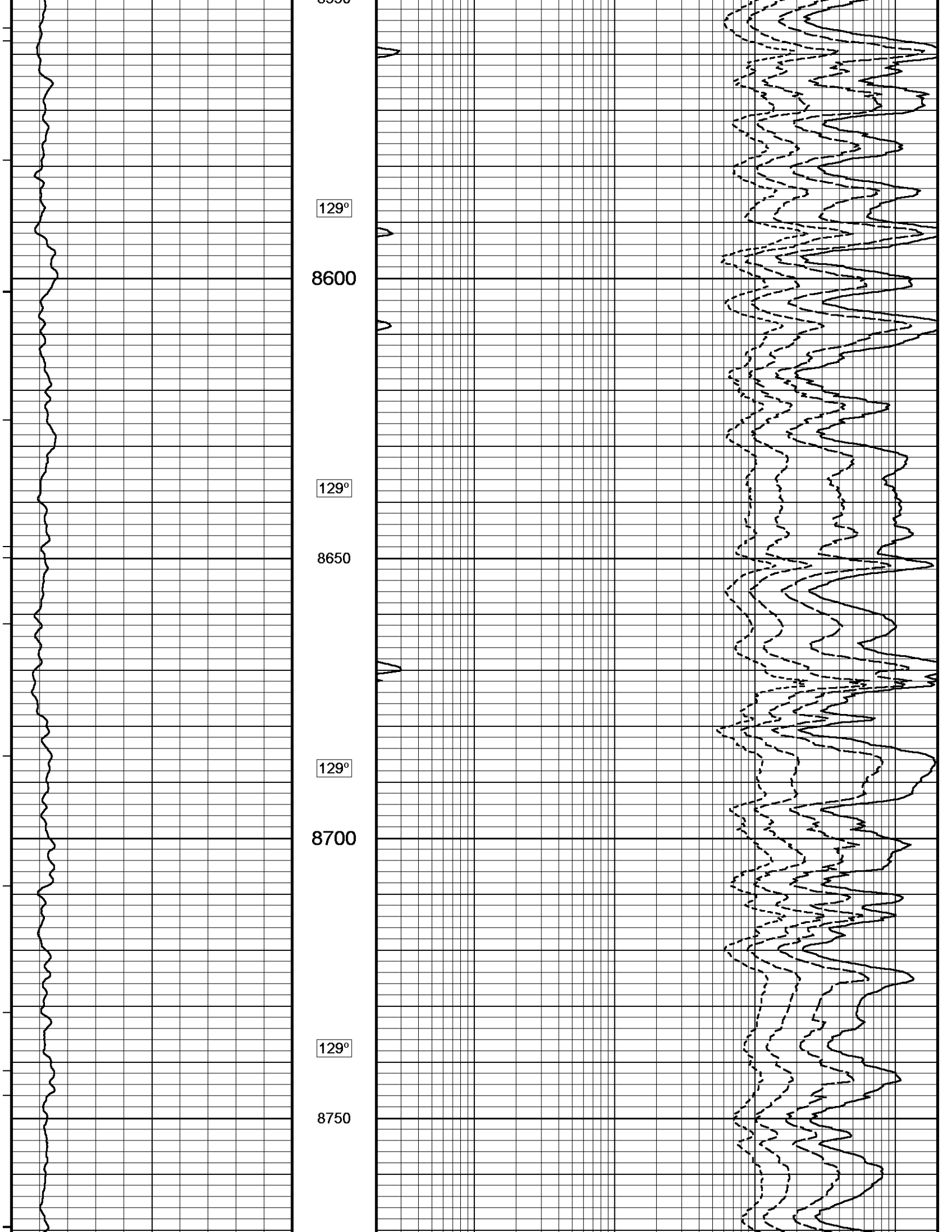


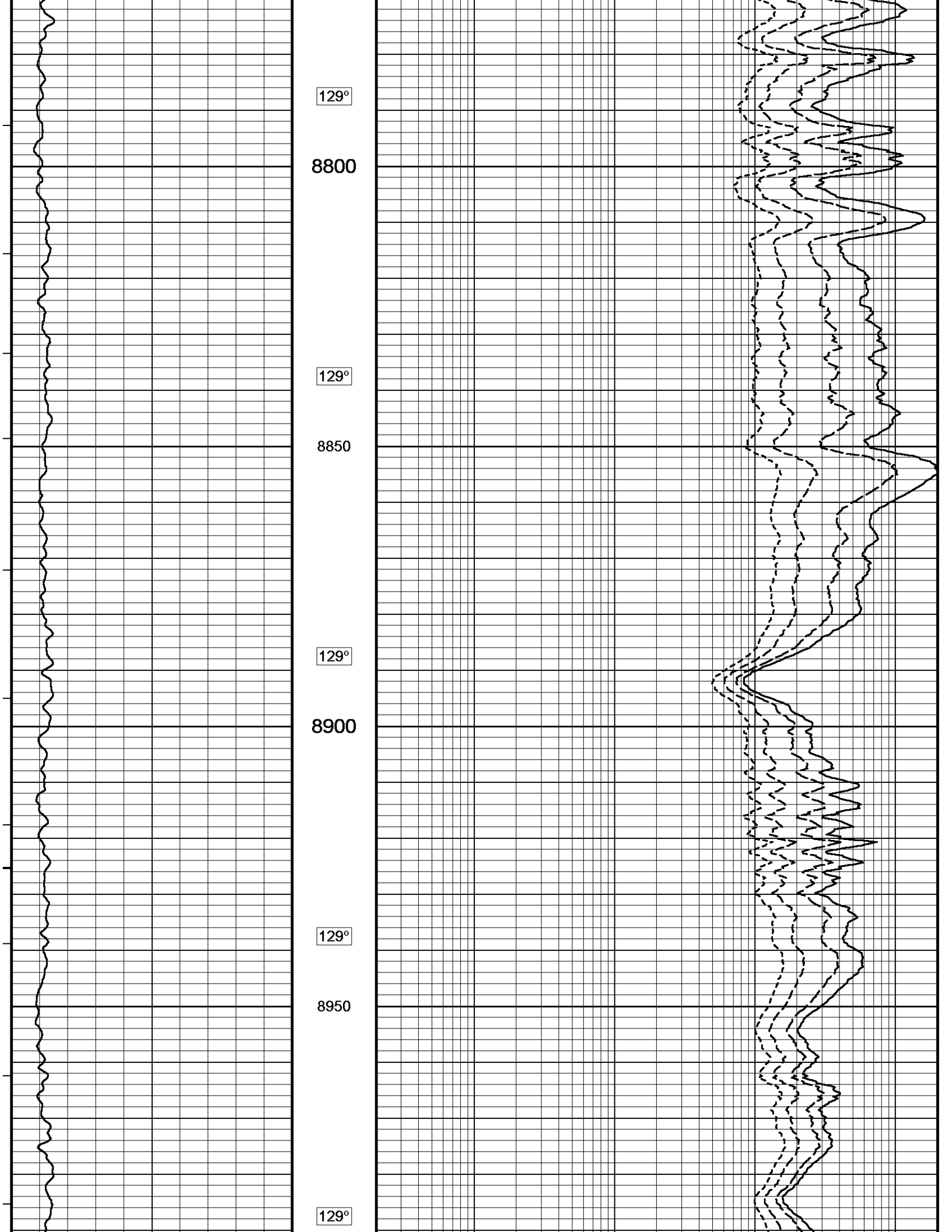


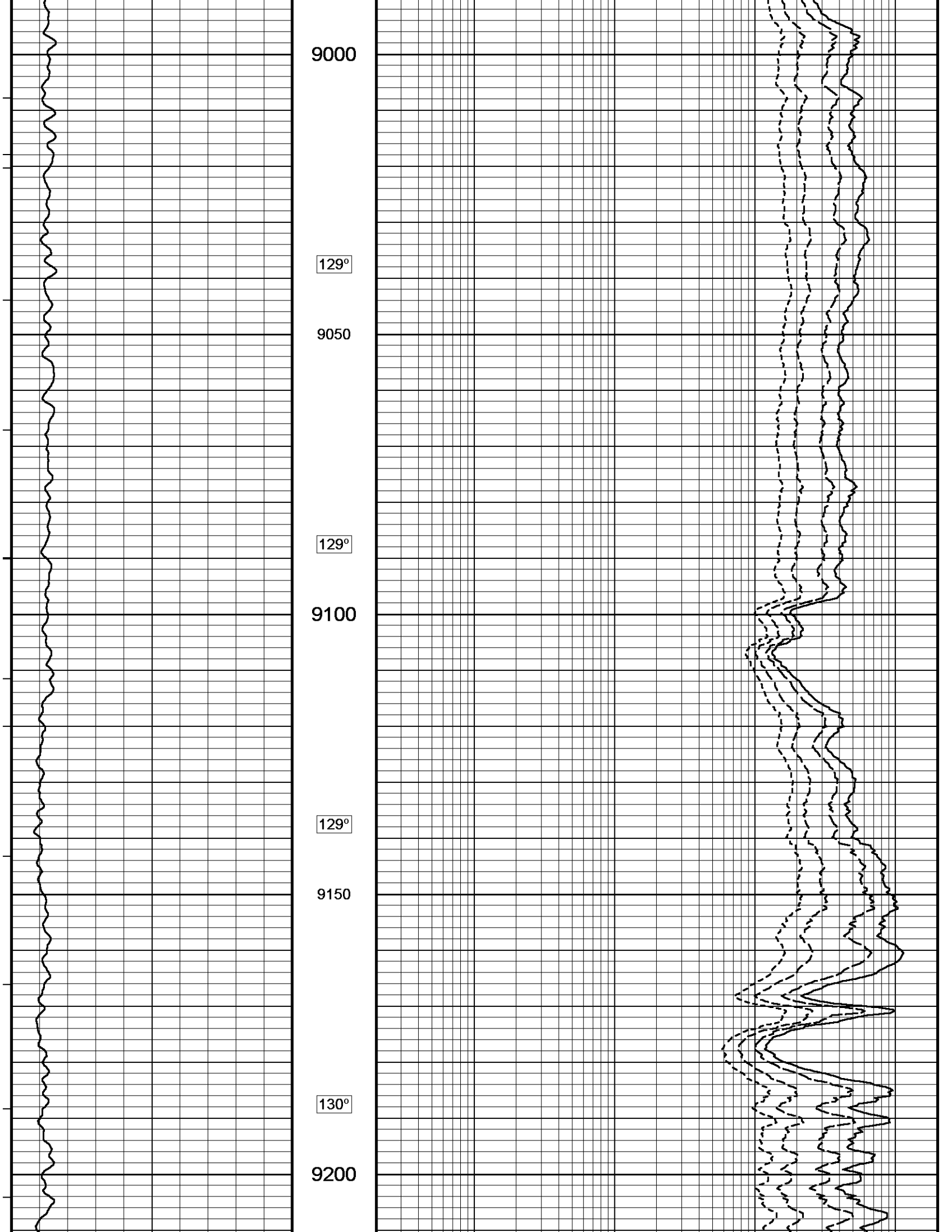


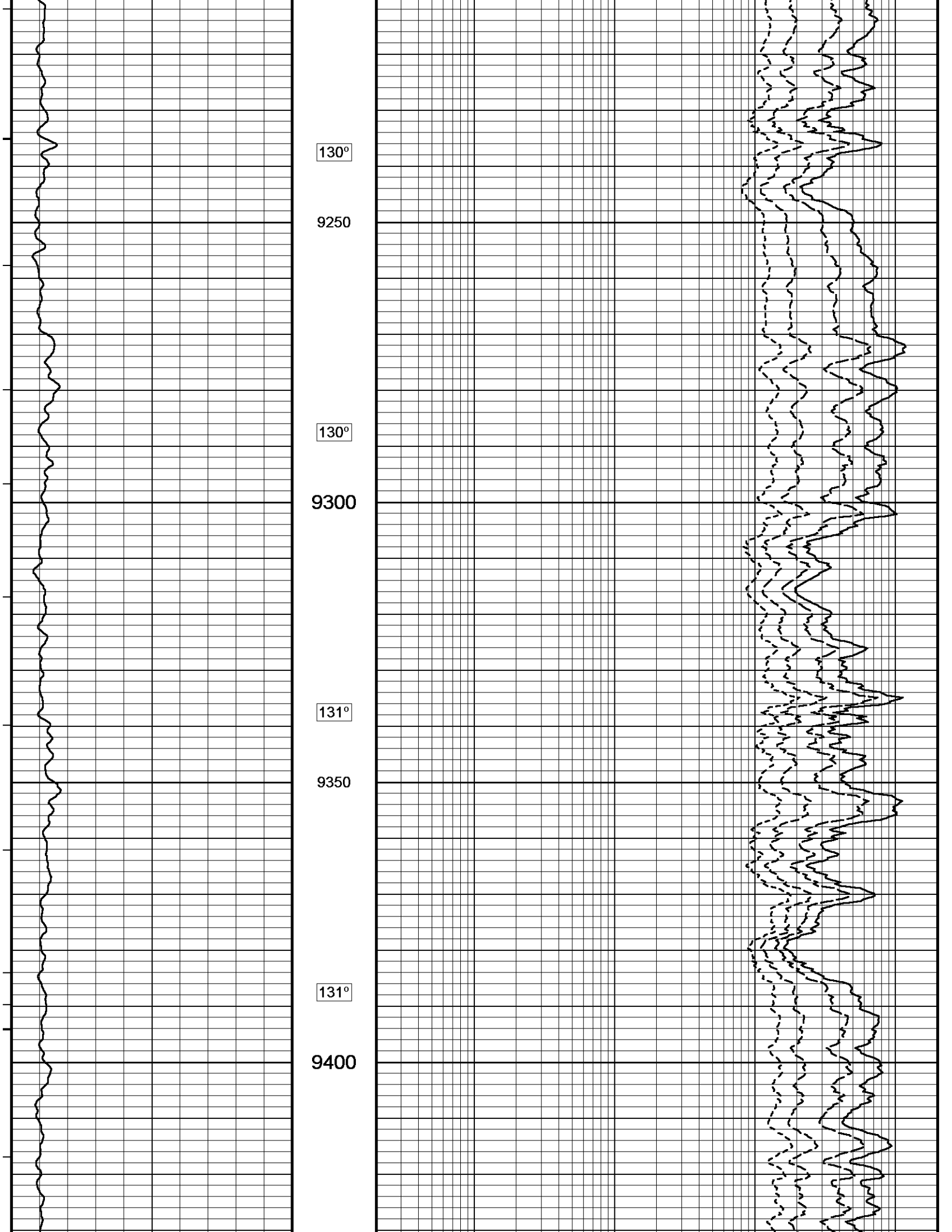


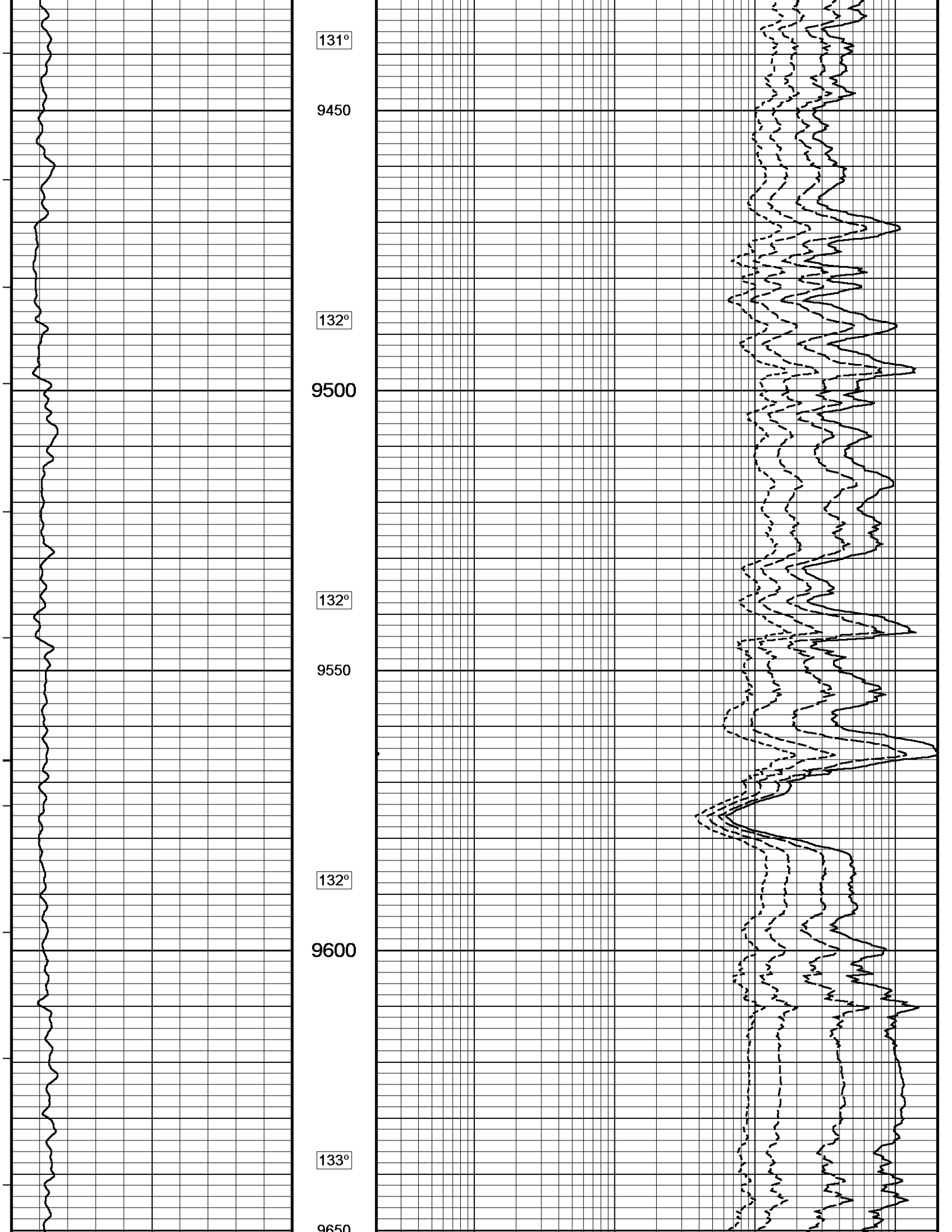


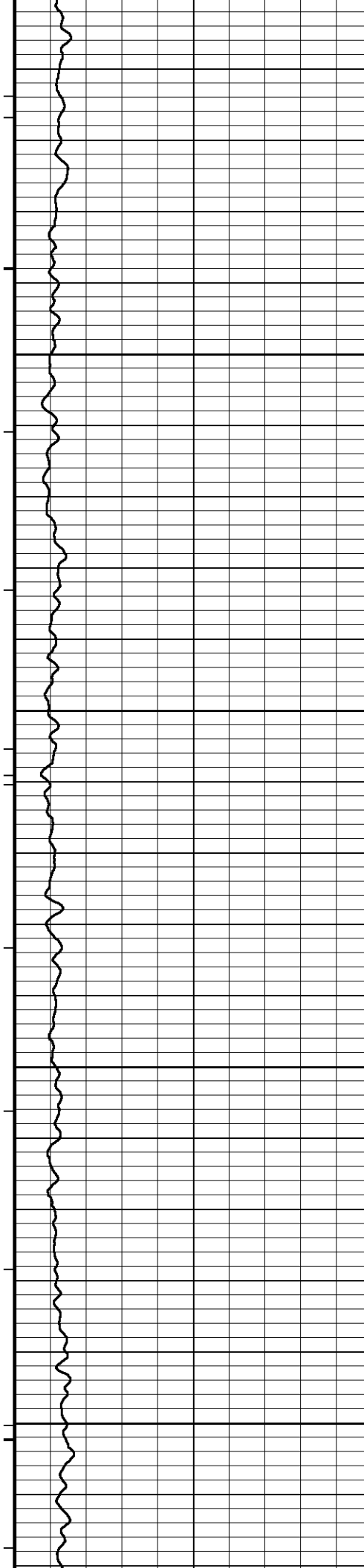




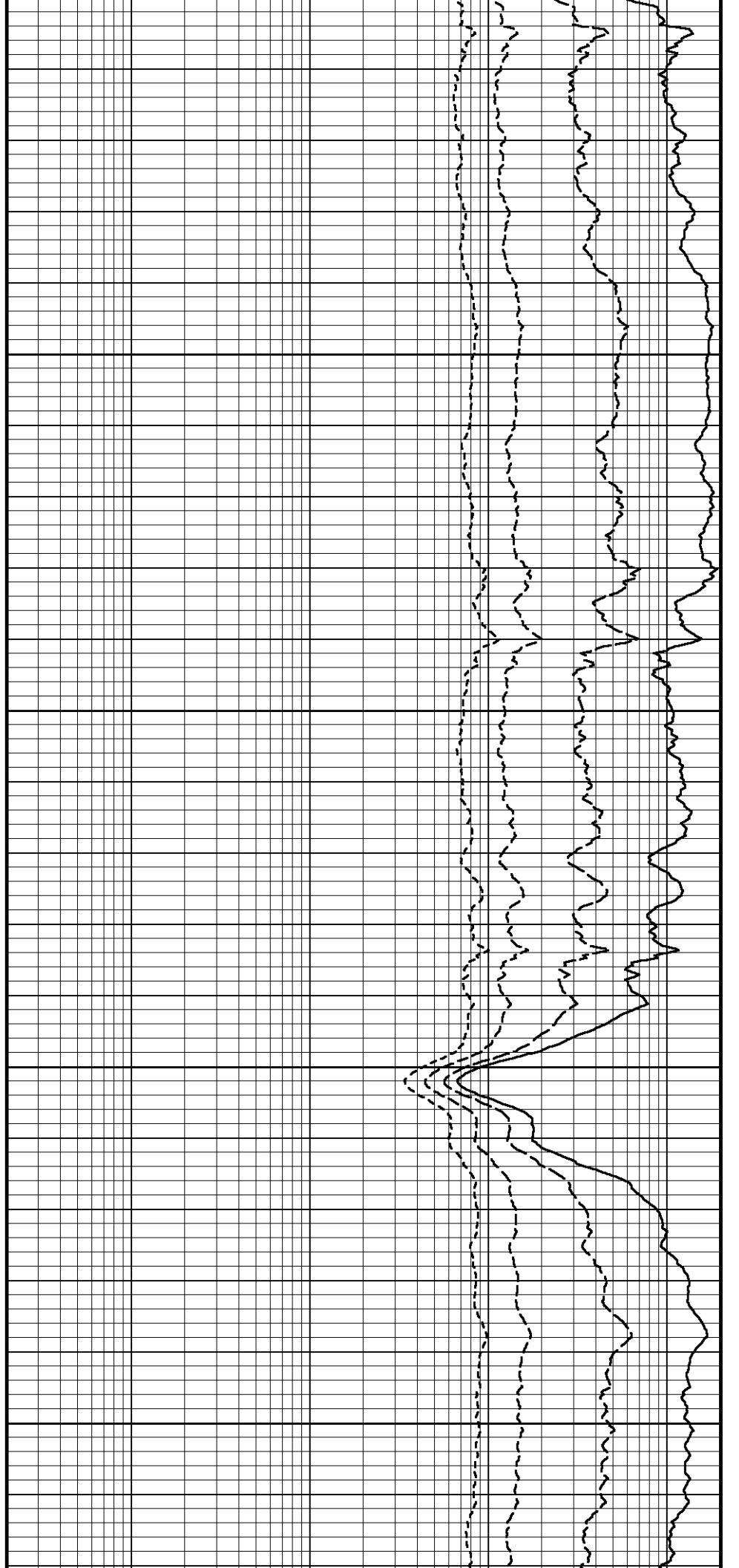


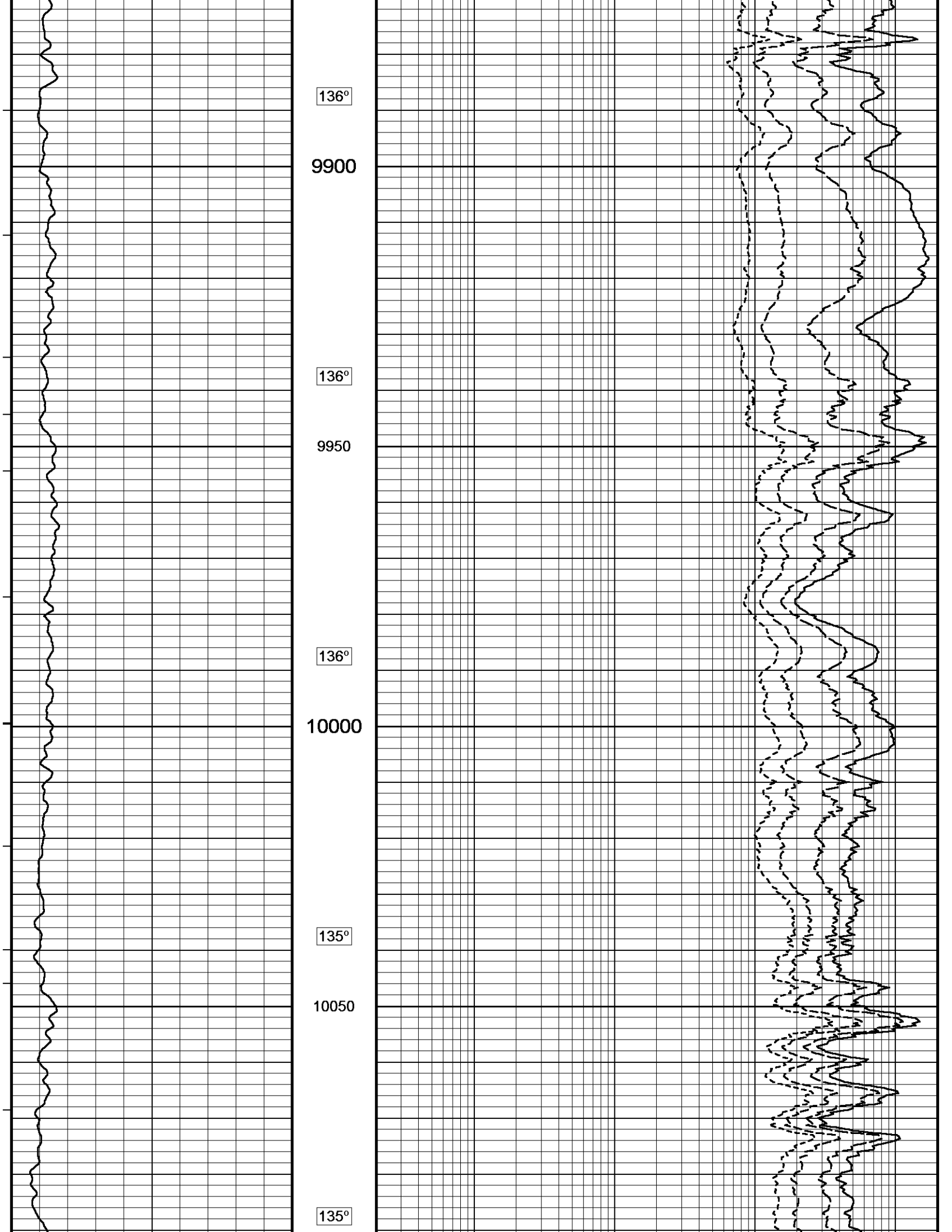


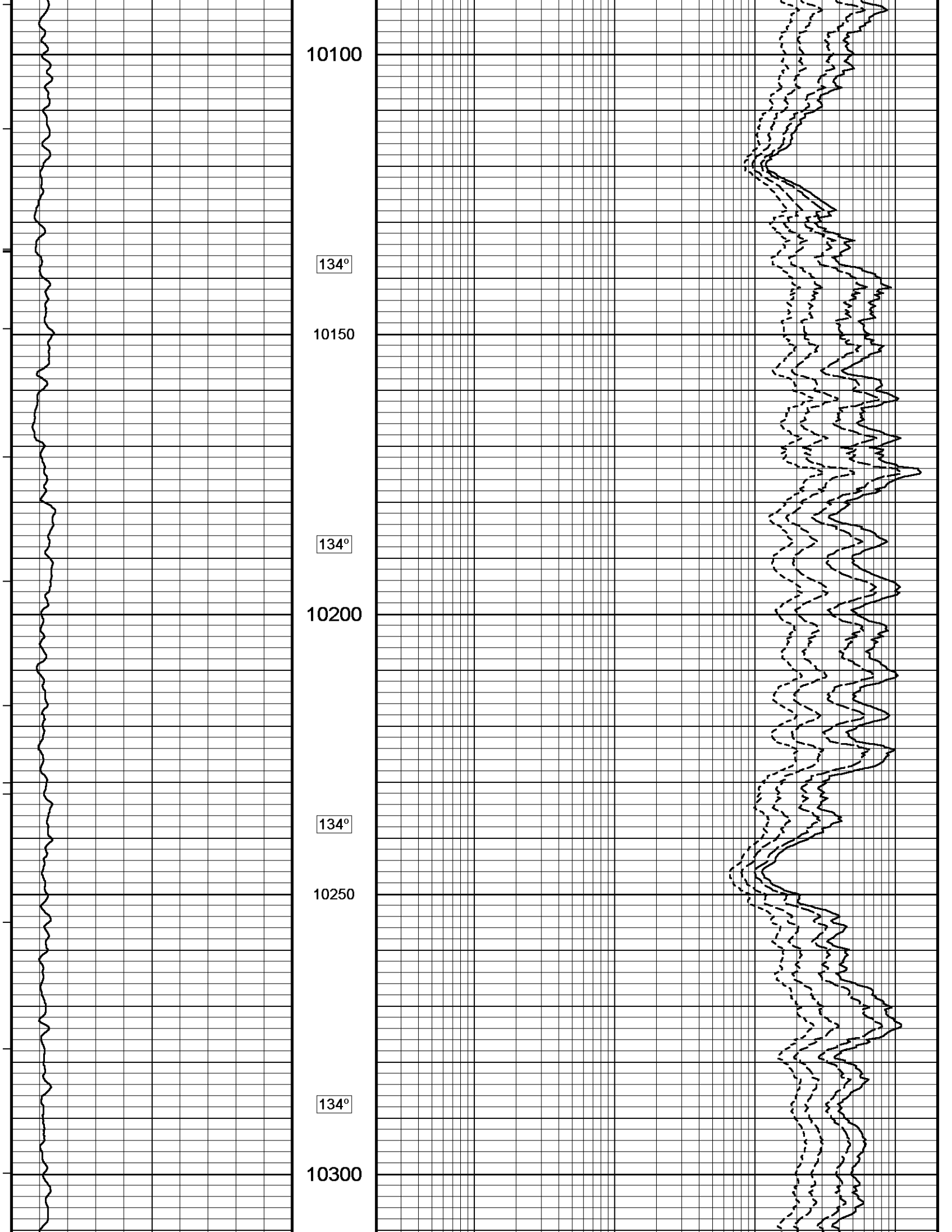


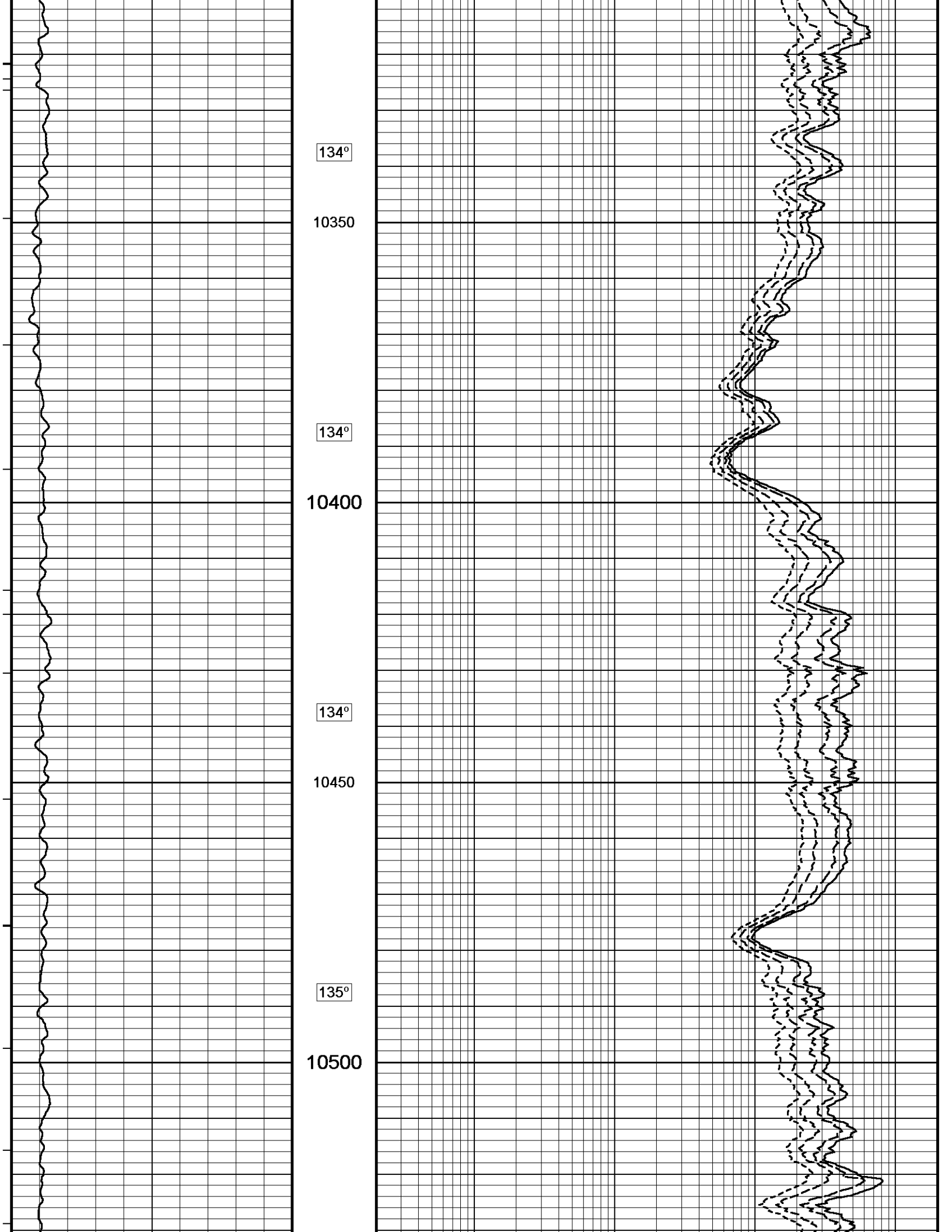


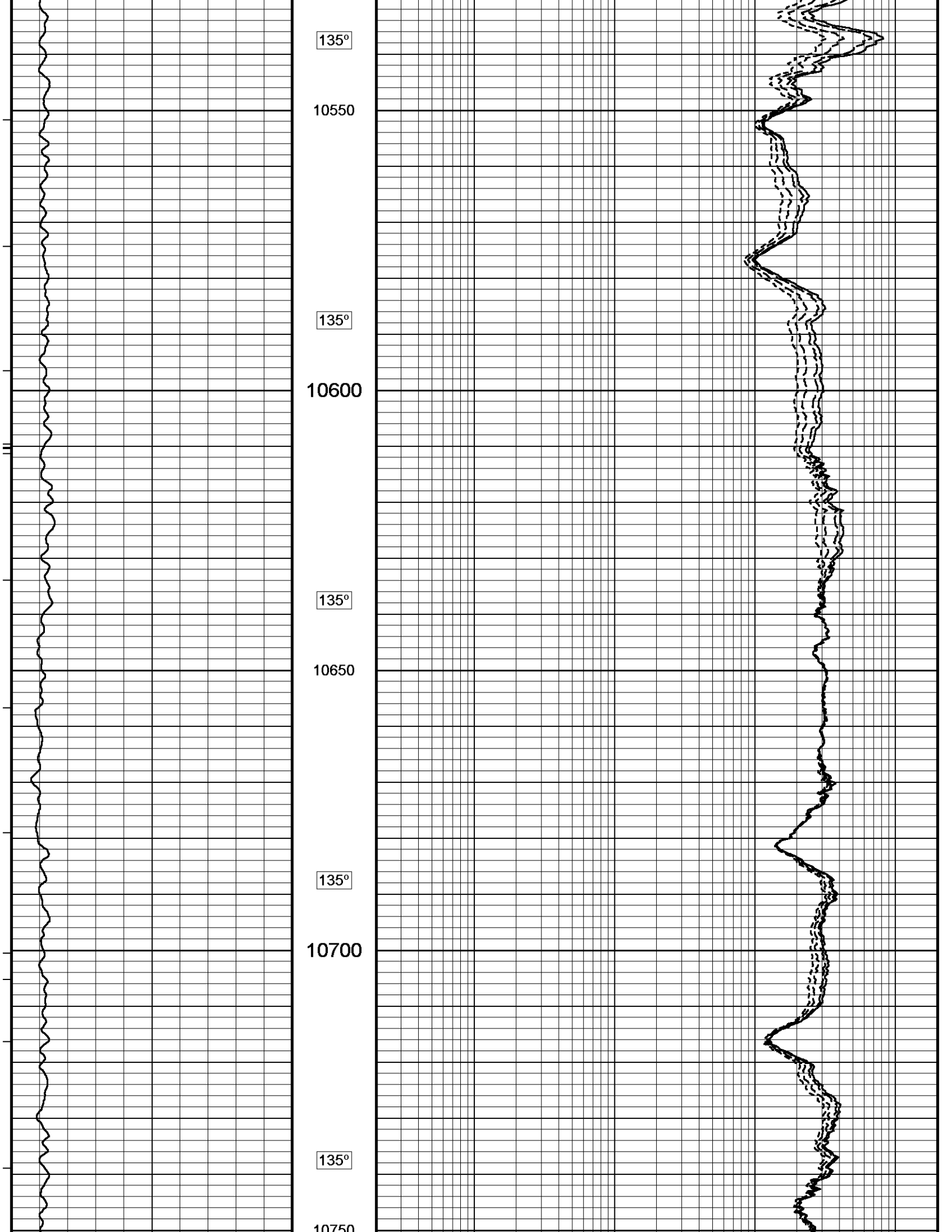
9850
136°
9800
136°
9750
134°
9700
133°
9650

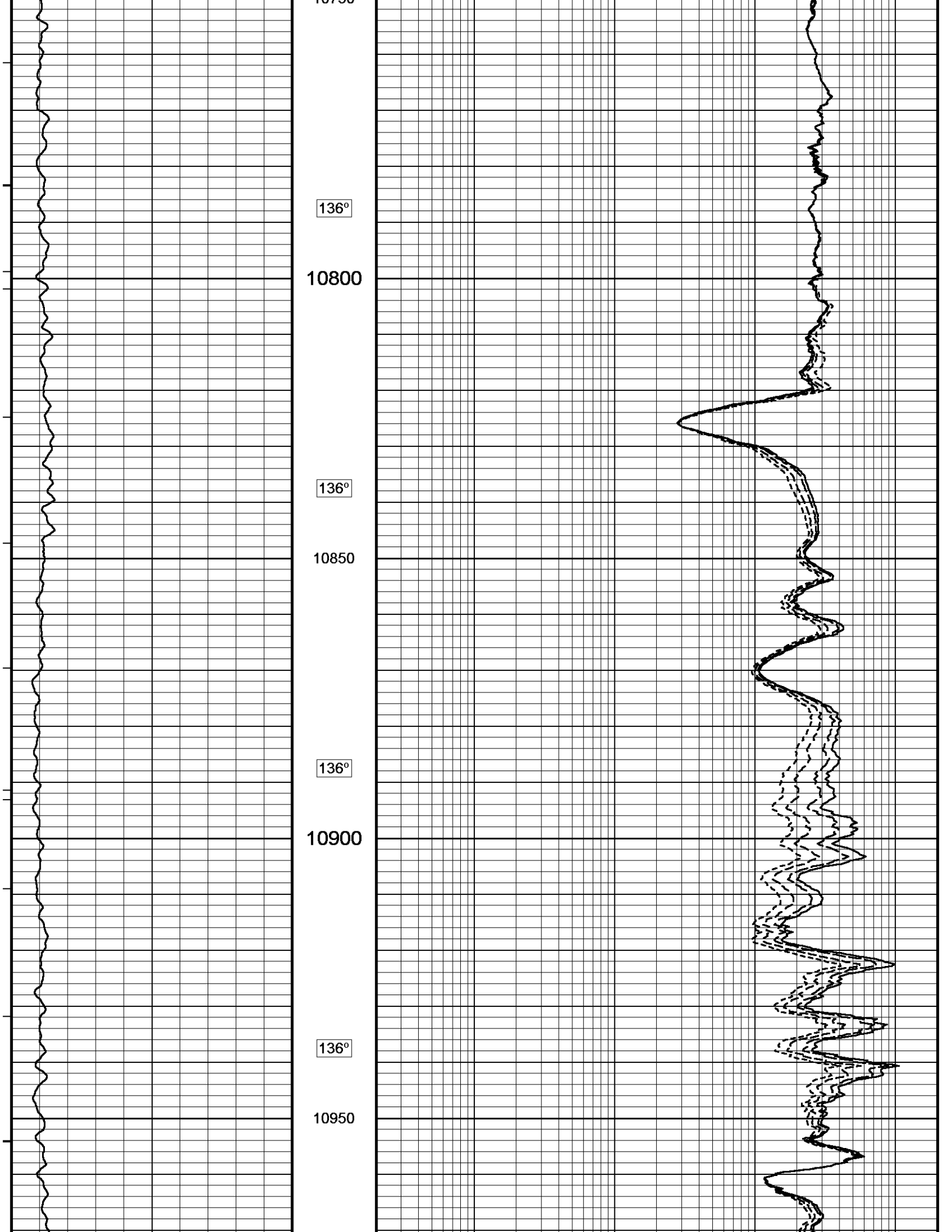


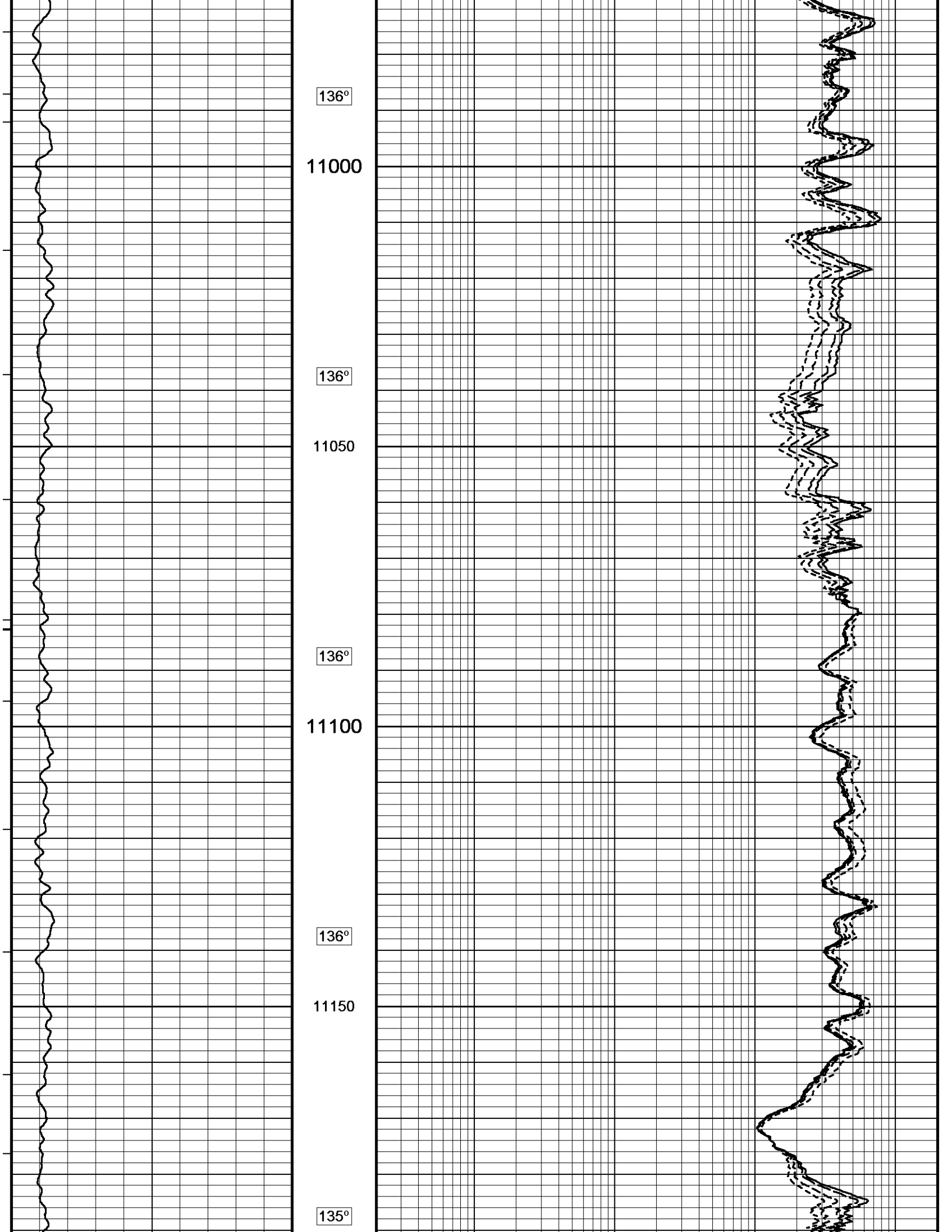


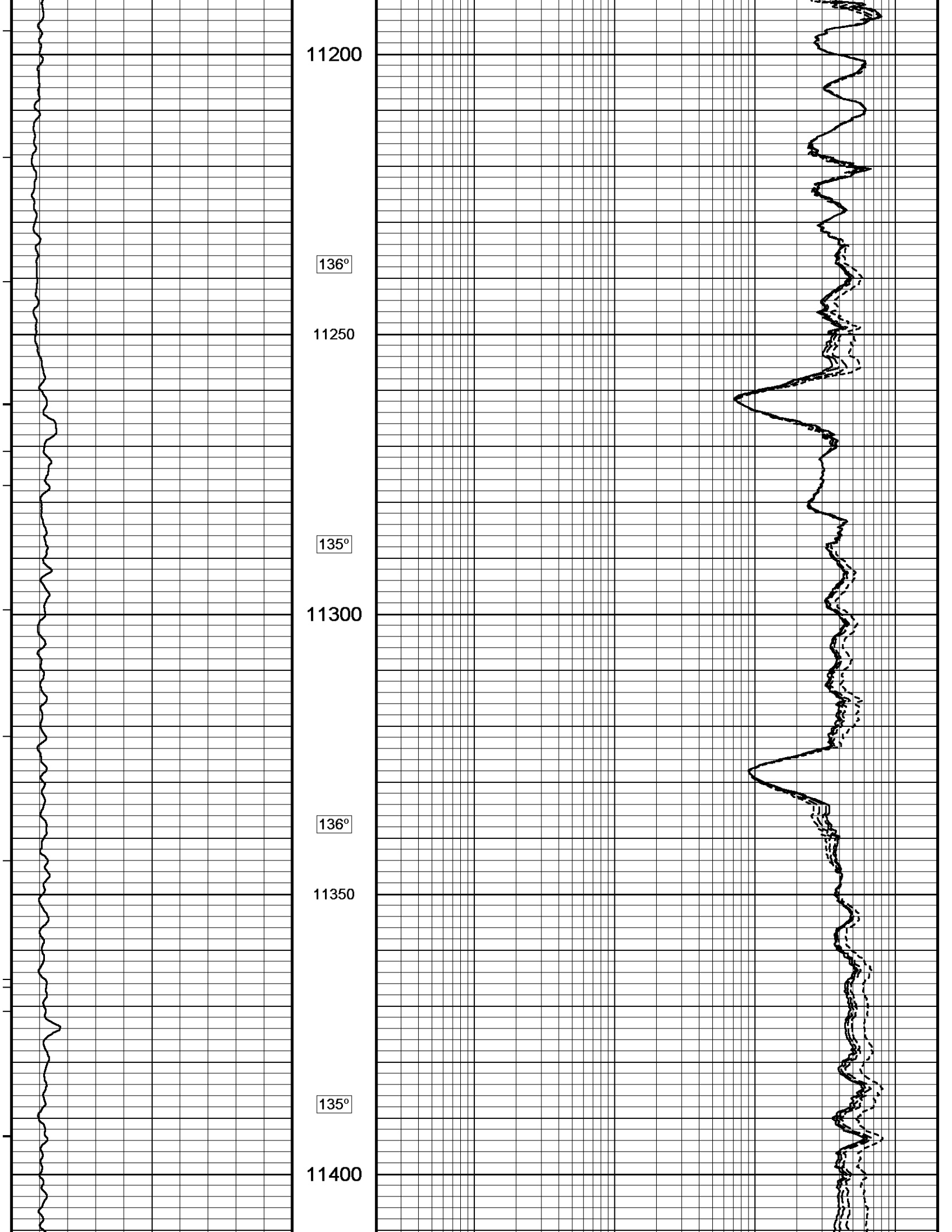


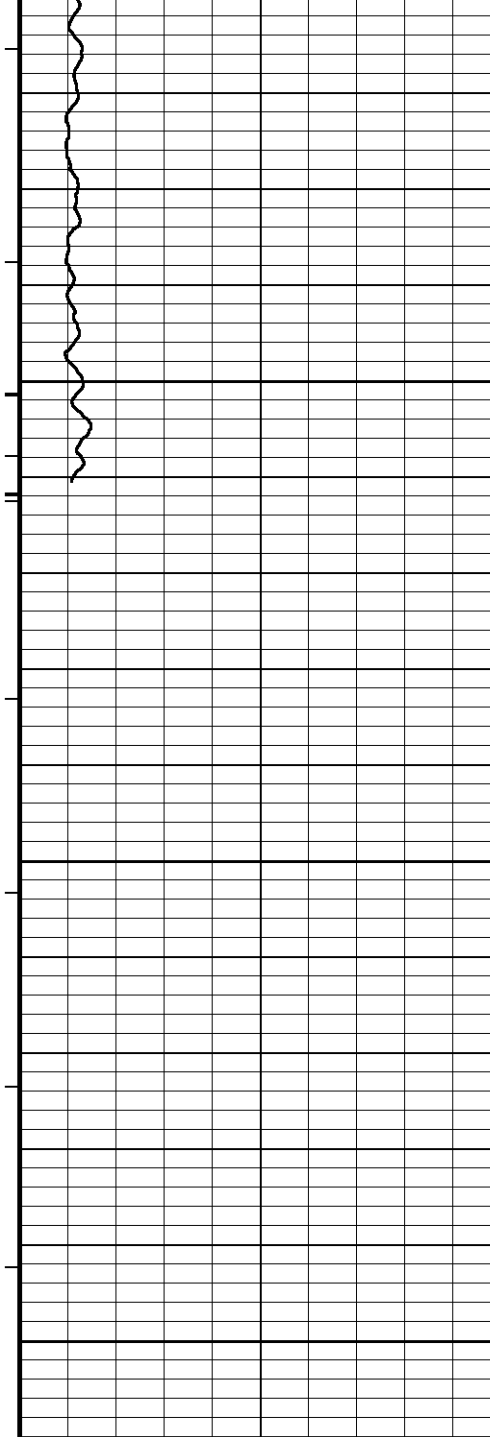












136°

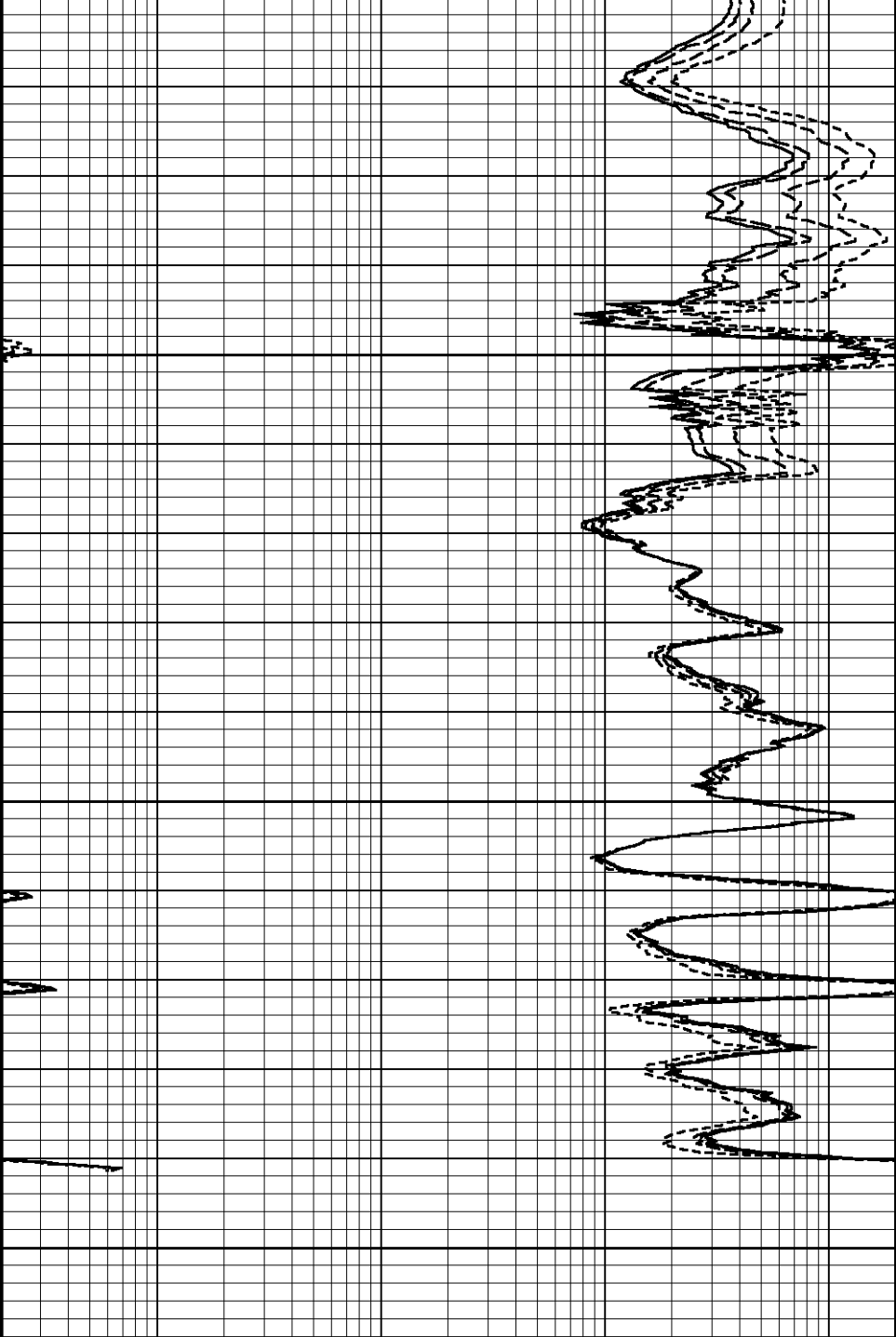
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11500

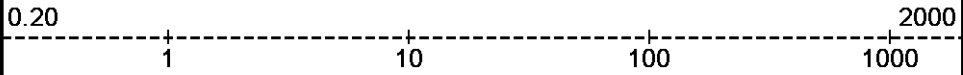
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11560

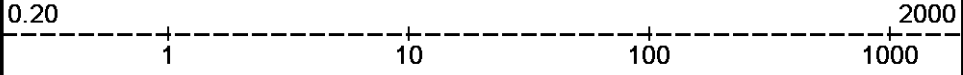
Depth
In
Feet



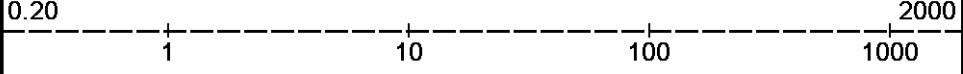
Array Ind. Six Res 40
ohm metres



Array Ind. Six Res 60
ohm metres



Array Ind. Six Res 85
ohm metres



Array Ind. Six Res Rt

Timing Marks
every 60.0 sec



MGS Gamma Ray

API

0	75	150
150	225	300

Borehole
Temp in
deg F

Replay
Scale
1:240

0.20

ohm metres

2000

1

10

100

1000

Depth Based Data - Maximum Sampling Increment 10.0cm

Plotted on 03-FEB-2013 20:06

Filename: C:\Data\Sandridge\Sandridge Peter 3404 1-20HMMS158 Depthlog.dta

Recorded on 03-FEB-2013 19:01

System Versions: Processed with 13.03.7779 Plotted with 13.03.7779



DSC



BEFORE SURVEY CALIBRATION

C:\Data\Sandridge\Sandridge Peter 3404 1-20HMMS158 Depthlog.dta

General Constants All 000

Last Edited on 03-FEB-2013,08:34

General Parameters

Mud Resistivity	1.980	ohm-metres
Mud Resistivity Temperature	52.700	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	4.500	inches
Caliper for Differential Caliper	Density Caliper	

Rwa Parameters

Porosity used	Base Density Porosity
Resistivity used	Array Ind. One Res Rt
RWA Constant A	0.610
RWA Constant M	2.150

Down-hole Tension Calibration SMS 0

Field Calibration on 05-SEP-2012,13:01

Reading No	Measured	Calibrated (lbs)
1	15152.07	0.00
2	18386.74	2000.00

Strain Gauge Constants MMS-E.B 158

Last Edited on

Atmospheric Pressure	14.70	psi						
Serial Number	0							
Calibration Date	000000000000							
Base Check Date								
Dead Weight Serial Number	0							
Dead Weight Gravitational Correction	1.0							
Temperature	75.0	150.0	250.0	350.0	degrees F			
Pressure psia	Inc.	Dec.	Inc.	Dec.	Inc.	Dec.	Inc.	Dec.
0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2000.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4000.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6000.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8000.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10000.0	0.000		0.000		0.000		0.000	

Gamma Calibration MGS-C.J 133

Field Calibration on 30-JAN-2013 09:17

	Measured	Calibrated (API)
Background	146	106
Calibrator (Gross)	1106	802
Calibrator (Net)	959	696

Gamma Constants MGS-C.J 133

Last Edited on 30-JAN-2013,21:43

Gamma Calibrator Number	036	
Mud Density	1.00	gm/cc
Caliper Source for Processing	Density Caliper	
Tool Position	Entered	

Tool Position Eccentred
 Concentration of KCl 0.00 kppm

SP Calibration MGS-C.J 133 Field Calibration on 30-JAN-2013,09:12

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

High Resolution Temperature Calibration MGS-C.J 133 Field Calibration on 30-JAN-2013,09:11

	Measured	Calibrated(Deg F)
Lower	0.00	0.00
Upper	0.00	0.00

High Resolution Temperature Constants MGS-C.J 133 Last Edited on 30-JAN-2013,09:11

Pre-filter Length 11

Neutron Calibration MDN-B.J 423 Base Calibration on 21-JAN-2013 09:28
Field Check on 30-JAN-2013 09:25

Base Calibration

	Measured		Calibrated (cps)	
	Near	Far	Near	Far
	2797	85	3714	110
Ratio	32.949		33.764	

Field Calibrator at Base

	Calibrated (cps)	
	2242	3339
Ratio	0.671	

Field Check

	Calibrated (cps)	
	2206	3107
Ratio	0.710	

Neutron Constants MDN-B.J 423 Last Edited on 01-FEB-2013,04:21

Neutron Source Id 000
 Neutron Jig Number 000
 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 None
 Formation Pressure N/A kpsi
 Temperature Source Constant Value
 Temperature 20.00 degrees F
 Mud Salinity 0.00 kppm
 Salinity Correction Not Applied
 Formation Fluid Salinity Source None
 Formation Fluid Salinity N/A kppm
 Barite Mud Correction Not Applied

Navigation Constants MIE-A.A 209 Last Edited on

Magnetic Declination 0.00 degrees East

Imager Pad Check MIE-A.A 209 Field Check on

Pad 1	Pad Not Tested	Pad 5	Pad Not Tested
Pad 2	Pad Not Tested	Pad 6	Pad Not Tested
Pad 3	Pad Not Tested	Pad 7	Pad Not Tested
Pad 4	Pad Not Tested	Pad 8	Pad Not Tested

Compact Micro Imager Constants MIE-A.A 209 Last Edited on 02-FEB-2013,09:42

Sonde Configuration Imager Mode
 Arm-Pad Kit Normal Pads (12.25 in)
 Arm-Pad Kit Serial Number N/A
 Centre Pad 1 Rotational Offset 0.00 degrees
 Image/Borehole Quality Reference Azimuth of Pad 1

Non Active Buttons	Omit	
Search Angle	0.00	degrees
Correlation Interval	3.28	feet
Correlation Step	1.64	feet
Current Offset	0.0000	mAmp
Squasher Start	0.0500	mAmp
Image Processing	Enabled	

Magnetometer Parameters MIE-A.A 209

Date Of Last Magnetometer Calibration	26-NOV-2010,12:01		
Slope	X Magnetometer	Y Magnetometer	Z Magnetometer
Offset	-1.000000	-1.001951	-1.007691
	0.007782	-0.016800	0.011730

Magnetometer Constants MIE-A.A 209

Last Edited on

Magnetometer Calibrator Number	000
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Accelerometer Parameters MIE-A.A 209

Date Of Last Accelerometer Calibration	25-NOV-2010,12:19		
Slope	X Accelerometer	Y Accelerometer	Z Accelerometer
Offset	-1.113214	-1.109979	-1.101653
	0.005467	0.005399	0.010368

Accelerometer Constants MIE-A.A 209

Last Edited on 25-NOV-2010,12:25

Accelerometer Calibrator Number	000
---------------------------------	-----

Accelerometer Temperature Characterisation

X Accelerometer

Serial Number	826			
Calibration Date	01-Jan-1998			
Bias(g)	B0	B1	B2	B3
	0.00000e+000	2.32377e-005	-1.87334e-008	9.07324e-011
Scale Factor(mA/g)	SF0	SF1	SF2	SF3
	3.00000e+000	2.71389e-004	4.55326e-007	4.58364e-010

Y Accelerometer

Serial Number	617			
Calibration Date	11-May-2008			
Bias(g)	B0	B1	B2	B3
	0.00000e+000	1.76675e-005	6.93464e-010	2.98691e-011
Scale Factor(mA/g)	SF0	SF1	SF2	SF3
	3.00000e+000	2.56882e-004	5.72598e-007	2.37496e-010

Z Accelerometer

Serial Number	844			
Calibration Date	01-Jan-1998			
Bias(g)	B0	B1	B2	B3
	0.00000e+000	-1.21769e-005	-1.46867e-008	-6.44015e-011
Scale Factor(mA/g)	SF0	SF1	SF2	SF3
	3.00000e+000	2.73539e-004	4.65657e-007	2.88996e-010

Caliper Calibration MIE-A.A 209

Base Calibration on 20-JUL-2012 05:31
Field Calibration on

Base Calibration

Reading No	Pads 1-5 Meas.	Pads 3-7 Meas.	Calibrator Size (in)
1	26963	26793	5.96
2	36961	37191	7.97
3	46401	44863	9.84
4	58072	58409	11.91
5	0	0	0.00

Reading No	Pad 2 Meas.	Pad 4 Meas.	Pad 6 Meas.	Pad 8 Meas.	Calibrator Size (in)
1	24829	25688	24937	24692	5.96
2	33487	34230	33721	33433	7.97
3	40559	41186	42962	42856	9.84
4	51771	52426	51758	51697	11.91
5	0	0	0	0	0.00

Field Calibration

Field Calibration		Measured	Measured	Actual	
	Measured	Measured	Measured	Measured	Actual
Caliper Constants MIE-A.A 209				Last Edited on 25-NOV-2010,07:57	
Caliper Difference for BRKT		0.120	inches		
High Resolution Temperature Calibration MAI-C.A 427				Field Calibration on 27-JAN-2013,14:35	
		Measured	Calibrated(Deg F)		
Lower		10.00	10.00		
Upper		100.00	100.00		
High Resolution Temperature Constants MAI-C.A 427				Last Edited on 30-JAN-2013,08:54	
Pre-filter Length		11			
Induction Calibration MAI-C.A 427				Base Calibration on 27-JAN-2013,14:35 Field Check on 01-FEB-2013 04:16	
Base Calibration					
Test Loop Calibration		Measured		Calibrated (mmho/m)	
Channel	Low	High	Low	High	
1	14.4	434.9	9.3	966.2	
2	5.8	355.4	7.6	821.4	
3	2.7	244.4	5.2	566.0	
4	1.8	129.3	2.6	279.2	
Array Temperature		22.9	Deg F		
Channel	Base Check (mmho/m)		Field Check (mmho/m)		
	Low	High	Low	High	
1			15.6	4140.9	
2			31.1	3770.9	
3			30.8	3209.9	
4			19.7	2124.5	
Deep			19.1	2019.9	
Medium			45.2	4288.9	
Shallow			45.8	5679.9	
Array Temperature			24.9	Deg F	
Induction Constants MAI-C.A 427				Last Edited on 03-FEB-2013,19:09	
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.		MGS External Temperature			
Squasher Start		0.0020		mhos/metre	
Squasher Offset		N/A			
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 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 Rxo 0.00

Photo Density Calibration MPD-D.A 471

Base Calibration on 26-DEC-2012 09:33
 Field Check on 01-FEB-2013 04:21

Density Calibration

Base Calibration	Measured		Calibrated (sdu)	
	Near	Far	Near	Far
Reference 1	54132	27447	59869	31110
Reference 2	22673	2730	24557	2522

Field Check at Base
 1281.3 1476.8

Field Check
 1284.8 1477.5

PE Calibration

Base Calibration	WS	Measured		Calibrated Ratio
		WH	Ratio	
Background	246	1128		
Reference 1	23825	53911	0.447	0.369
Reference 2	6960	22516	0.314	0.271

Field Check at Base
 245.7 1128.4

Field Check
 244.4 1137.5

Density Constants MPD-D.A 471

Last Edited on 17-JAN-2013,10:31

Density Source Id 243
 Nylon Calibrator Number 633
 Aluminium Calibrator Number 633
 Density Shoe Profile 4 inch
 Caliper Source for Processing Density Caliper
 PE Correction to Density Not Applied
 Mud Density 1.04 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
0.00	0.00

Caliper Calibration MPD-D.A 471

Base Calibration on 14-DEC-2012,07:31
 Field Calibration on 11-JAN-2013 09:46

Base Calibration

Reading No	Measured	Calibrator Size (in)
1	19410	3.99
2	20147	5.07

2	29147	5.97
3	38815	7.99
4	48375	9.86
5	59610	11.93
6	N/A	N/A

Field Calibration

Measured Caliper (in)
5.87

Actual Caliper (in)
5.97

DOWNHOLE EQUIPMENT

C:\Data\Sandridge\Sandridge Peter 3404 1-20HMMS158 Depthlog.dta

- Shuttle Running Tool 3.5")
SRT-A.A 40 LG: 6.62 ft WT: 37.5 lb OD: 2.52 in
- Empty Battery
MLK-A 2 LG: 14.23 ft WT: 30.9 lb OD: 2.24 in
- Empty Battery
MLK-A 3 LG: 14.23 ft WT: 30.9 lb OD: 2.24 in
- MBS-G.A 200v Compact Battery Sub
MBS-G.A 135 LG: 17.06 ft WT: 123.5 lb OD: 2.24 in
- Compact Memory Sub E.B
MMS-E.B 158 LG: 5.20 ft WT: 37.5 lb OD: 2.24 in
- Compact Short Gamma
MGS-C.J 133 LG: 3.41 ft WT: 24.3 lb OD: 2.24 in
- Compact Collar Locator
MCL-B.J 72 LG: 3.17 ft WT: 26.5 lb OD: 2.24 in
- SKJ-E.B Compact Knuckle Joint
SKJ-E.B 456 LG: 2.17 ft WT: 24.3 lb OD: 2.24 in
- SHA-J.A Compact Swivel Head Adaptor
SHA-J.A 432 LG: 2.30 ft WT: 22.0 lb OD: 2.24 in
- MIS-A.A Compact Inline Bowspring sub
MIS-A.A 275 LG: 5.70 ft WT: 33.1 lb OD: 2.24 in
- Compact Neutron
MDN-B.J 423 LG: 5.04 ft WT: 50.7 lb OD: 2.24 in
- Compact Density/Caliper
MPD-D.A 471 LG: 9.59 ft WT: 90.4 lb OD: 2.24 in
- MIS-D.B Compact Inline Bowspring sub
MIS-D.B 591 LG: 5.70 ft WT: 33.1 lb OD: 2.24 in
- SHA-J.A Compact Swivel Head Adaptor
SHA-J.A 205 LG: 2.30 ft WT: 22.0 lb OD: 2.24 in
- SKJ-E.B Compact Knuckle Joint
SKJ-E.B 477 LG: 2.17 ft WT: 24.3 lb OD: 2.24 in
- MIS-E.B Compact Inline Standoff sub
MIS-E.B 576 LG: 2.14 ft WT: 15.4 lb OD: 2.24 in
- MIS-D.A Compact Inline Bowspring sub
MIS-D.A 222 LG: 5.70 ft WT: 33.1 lb OD: 2.24 in



Compact MMI Memory Section
 MIM-A.A 157 LG: 4.65 ft WT: 26.5 lb OD: 2.24 in

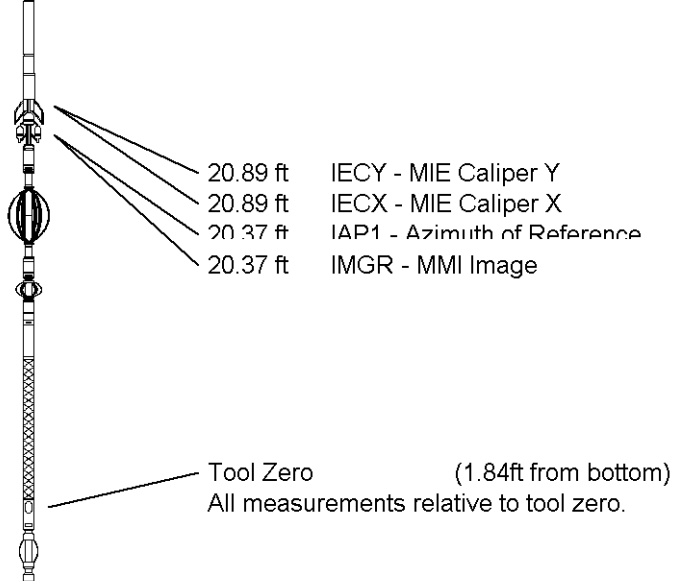
Compact MMI Electrode Section
 MIE-A.A 209 LG: 13.96 ft WT: 99.2 lb OD: 4.09 in

MIS-D.B Compact Inline Bowspring sub
 MIS-D.B 606 LG: 5.70 ft WT: 33.1 lb OD: 2.24 in

MIS-E.A Compact Inline Standoff sub
 MIS-E.A 336 LG: 2.14 ft WT: 15.4 lb OD: 2.24 in

Compact Induction
 MAI-C.A 427 LG: 12.52 ft WT: 48.5 lb OD: 2.24 in

Total Length: 145.68 ft Weight: 881.8 lb



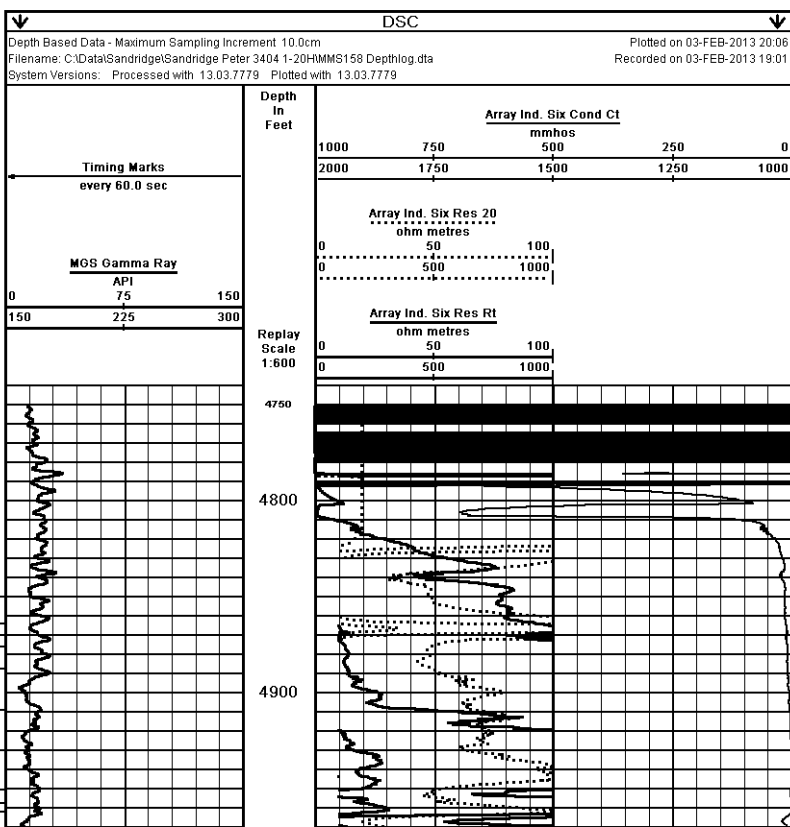
COMPANY SANDRIDGE EXPLORATION & PRODUCTION
WELL PETER 3404 1-20H
FIELD
PROVINCE/COUNTY SUMNER
COUNTRY/STATE USA / KANSAS

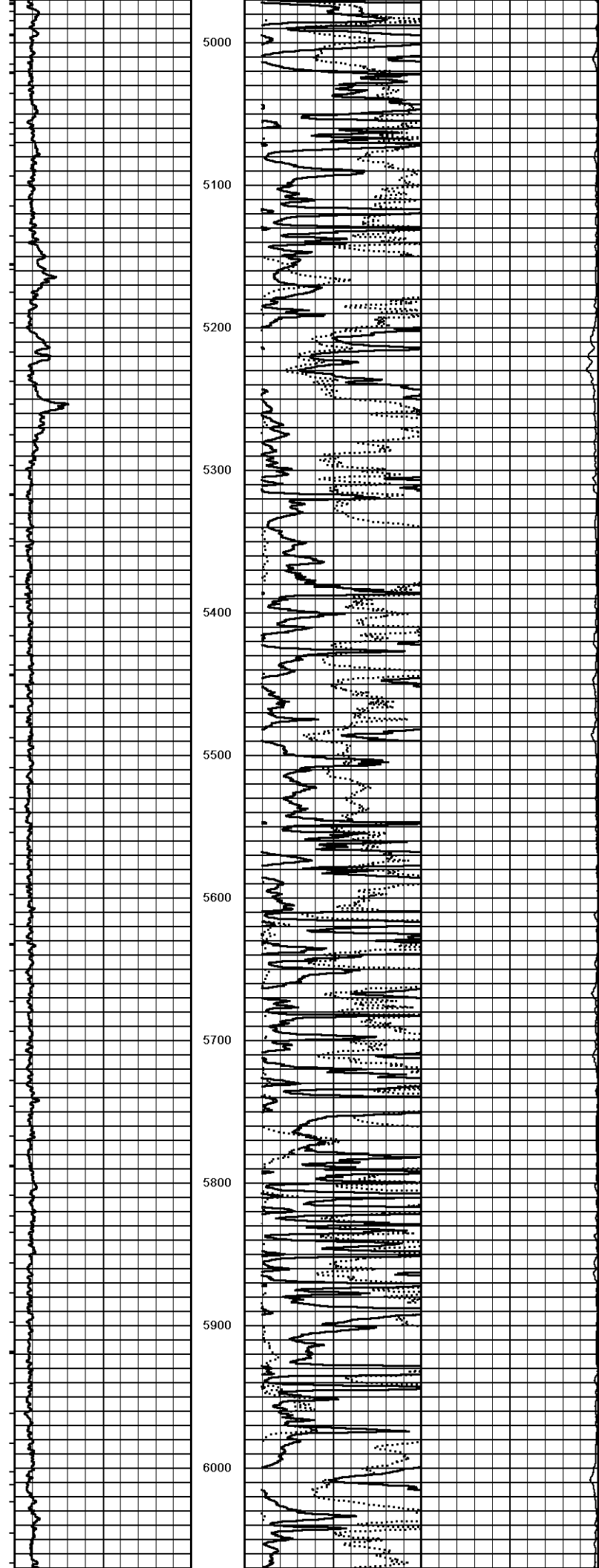
Elevation Kelly Bushing	1242.00	feet	First Reading	11542.00	feet
Elevation Drill Floor	1242.00	feet	Depth Driller	11618.00	feet
Elevation Ground Level	1220.00	feet	Depth Logger	11549.00	feet

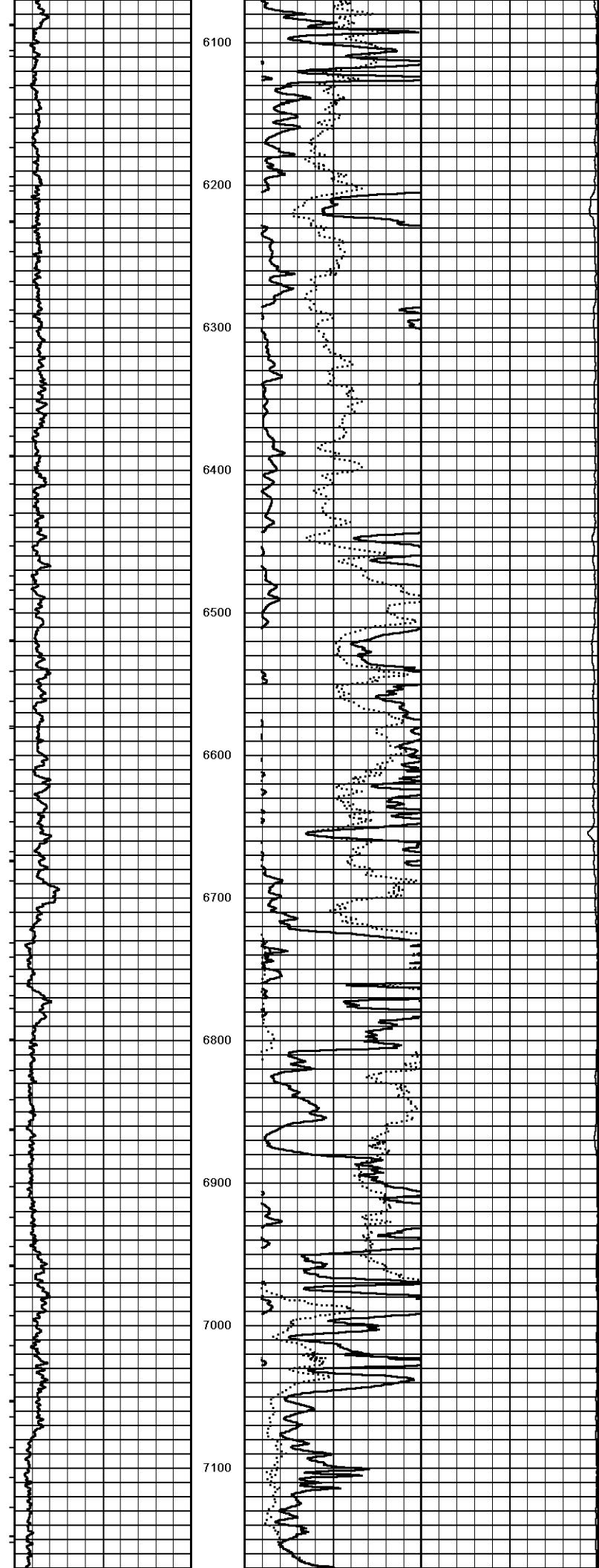


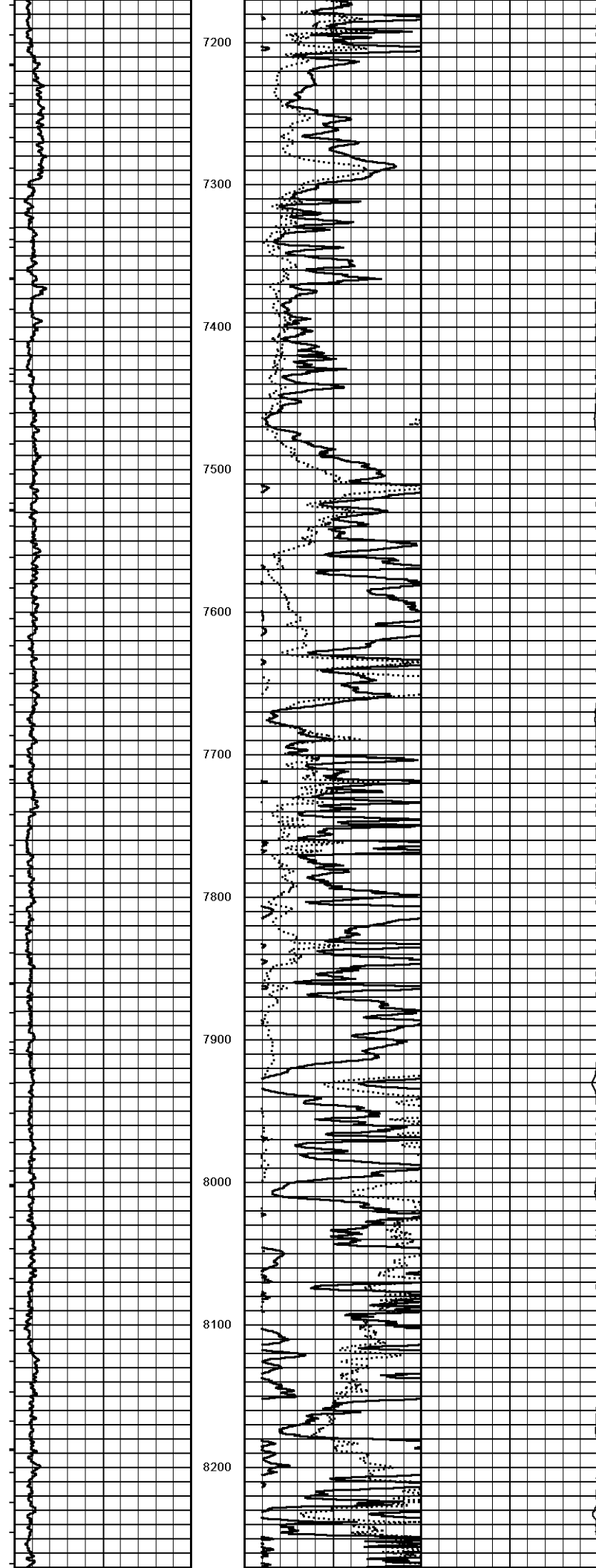
CML WELL SHUTTLE
COMPACT ARRAY INDUCTION
LOG

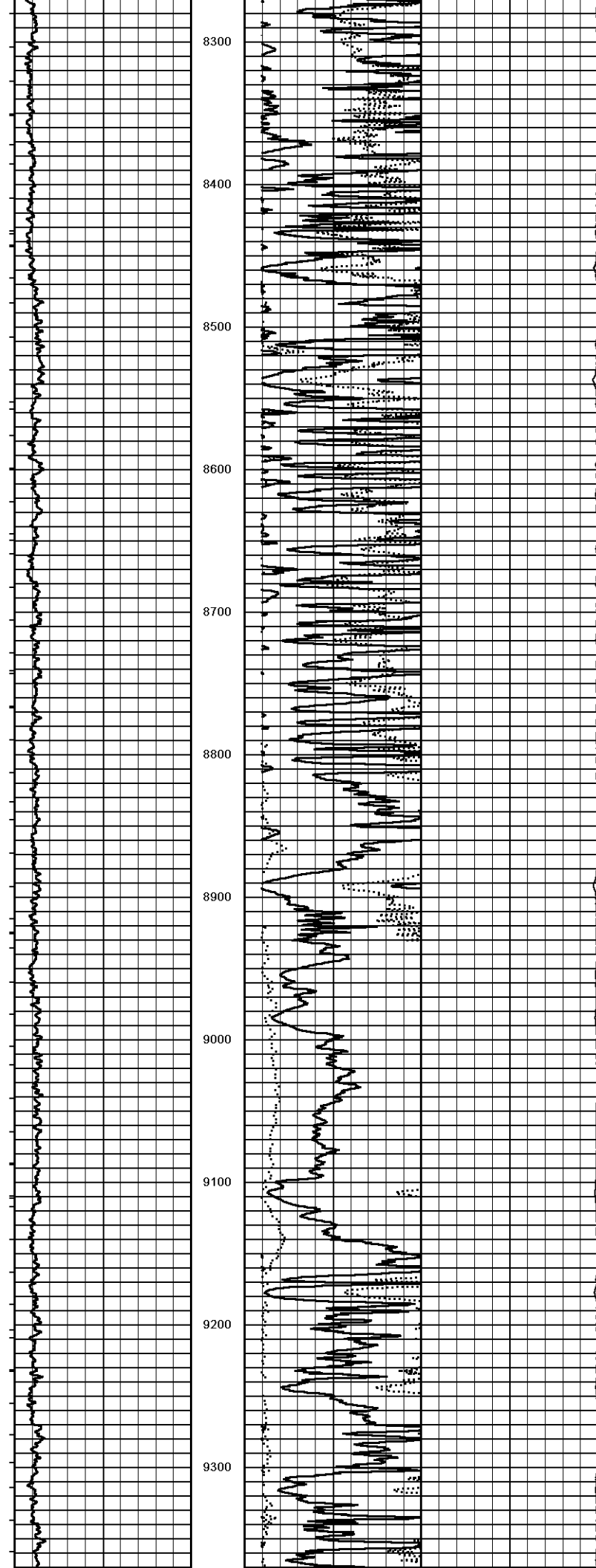
Weatherford[®]

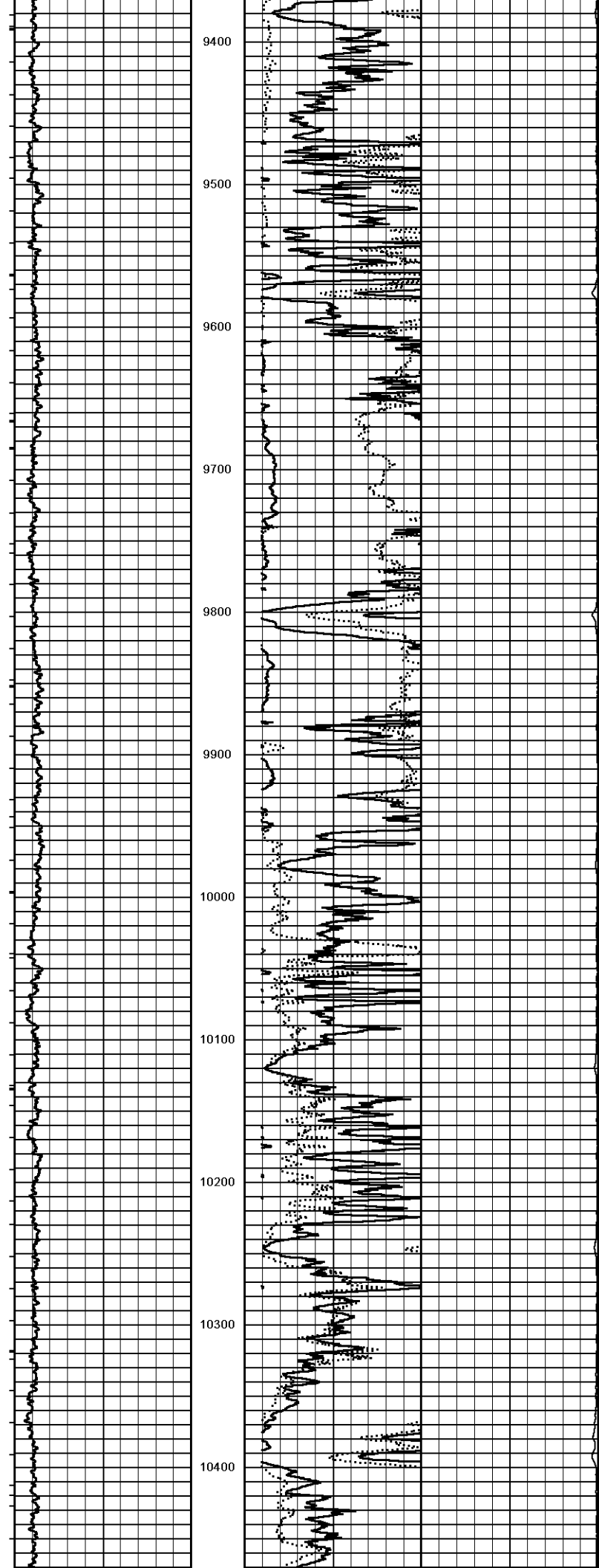


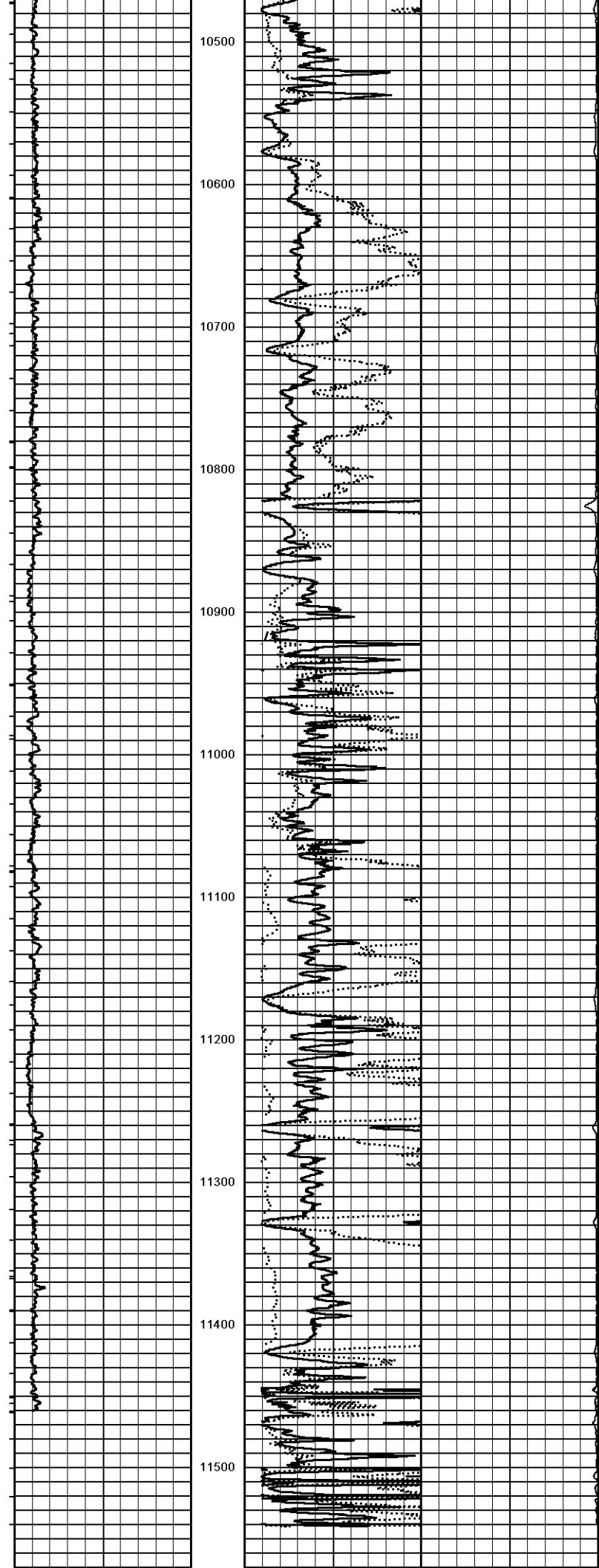


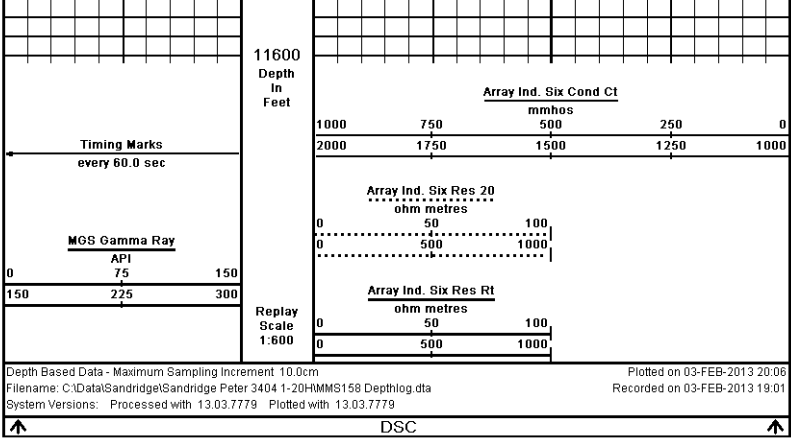













COMPANY	SANDRIDGE EXPLORATION & PRODUCTION				
WELL	PETER 3404 1-20H				
FIELD					
PROVINCE/COUNTY	SUMNER				
COUNTRY/STATE	USA / KANSAS				
Elevation Kelly Bushing	1242.00	feet	First Reading	11542.00	feet
Elevation Drill Floor	1242.00	feet	Depth Driller	11618.00	feet
Elevation Ground Level	1220.00	feet	Depth Logger	11549.00	feet
					
CML WELL SHUTTLE					
COMPACT ARRAY INDUCTION					
LOG					