



SUPERIOR
Hays,
Kansas

DUAL
INDUCTION
LOG

Company		AMERICAN ENERGIES CORPORATION	
Well		KAUFMAN #4	
Field		GEORGIA SPUR NE	
County		KINGMAN	
State		KANSAS	
Company		AMERICAN ENERGIES CORPORATION	
Well		KAUFMAN #4	
Field		GEORGIA SPUR NE	
County		KINGMAN	
State		KANSAS	
Location:		API # : 15-095-22236-0000	
Permanent Datum		GROUND LEVEL	
Log Measured From		KELLY BUSHING 10' A.G.L.	
Drilling Measured From		KELLY BUSHING	
SEC 5		TWP 28S	
RGE 6W		Elevation	
K.B. 1559		D.F. 1557	
G.L. 1549			
Date		12/3/11	
Run Number		ONE	
Depth Driller		3972	
Depth Logger		3977	
Bottom Logged Interval		3975	
Top Log Interval		00	
Casing Driller		8 5/8" @ 267	
Casing Logger		267	
Bit Size		7 7/8	
Type Fluid in Hole		CHEMICAL MUD	
Density / Viscosity		9.3/42	
pH / Fluid Loss		10.0/10.4	
Source of Sample		FLOWLINE	
Rim @ Meas. Temp		.98 @ 78F	
Rmf @ Meas. Temp		.73 @ 78F	
Rmc @ Meas. Temp		1.17 @ 78F	
Source of Rmf / Rmc		MEASURED	
Rim @ BHT		.66 @ 115F	
Time Circulation Stopped		2 HOURS	
Time Logger on Bottom			
Maximum Recorded Temperature		115F	
Equipment Number		680	
Location		HAYS, KS.	
Recorded By		JASON CAPPELLUCCI	
Witnessed By		DAVE GOLDAK	

<<< Fold Here >>>

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 interpretation, and we shall not, except in the case of gross or willful 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 set out in our current Price Schedule.

Comments

THANK YOU FOR USING SUPERIOR WELL SERVICE (785) 628-6395
DIRECTIONS
KINGMAN, KS. - E. TO RD. 70 EXIT - 1 1/2 S. TO T - 1/2 W. - S. INTO



SUPERIOR
Hays,
Kansas

MAIN SECTION

Database File: 008095ddn.db
Dataset Pathname: pass3.3
Presentation Format: _dil2
Dataset Creation: Sat Dec 03 13:26:41 2011 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:600

0 Gamma Ray (GAPI) 150
-100 SP (mV) 100

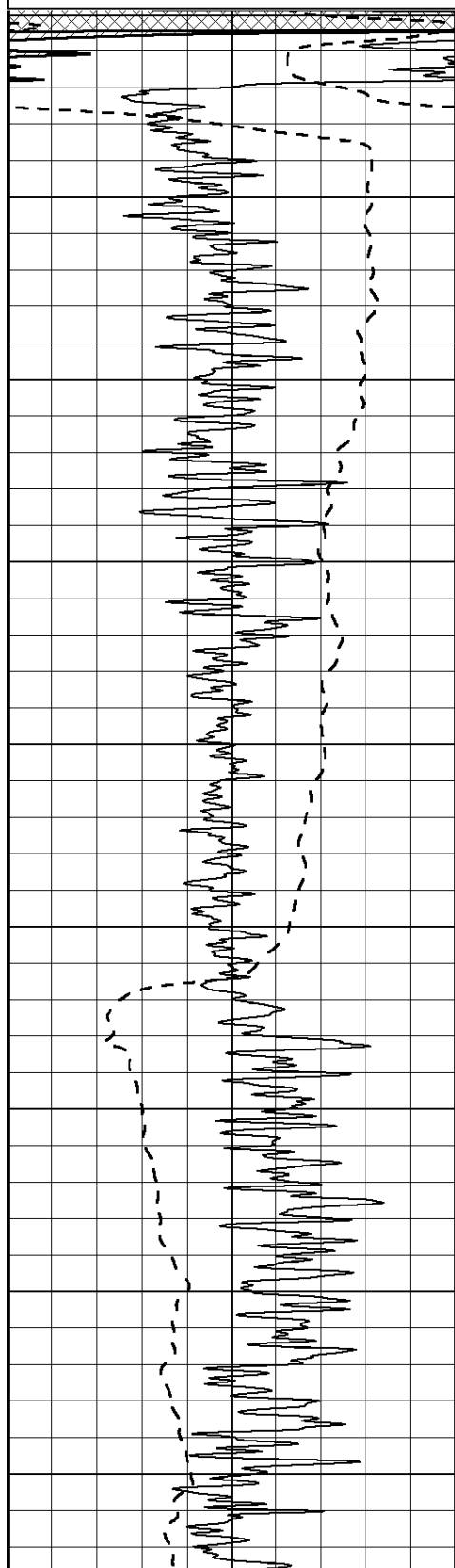
0 RLL3 (Ohm-m) 50

0 Deep Induction (Ohm-m) 50

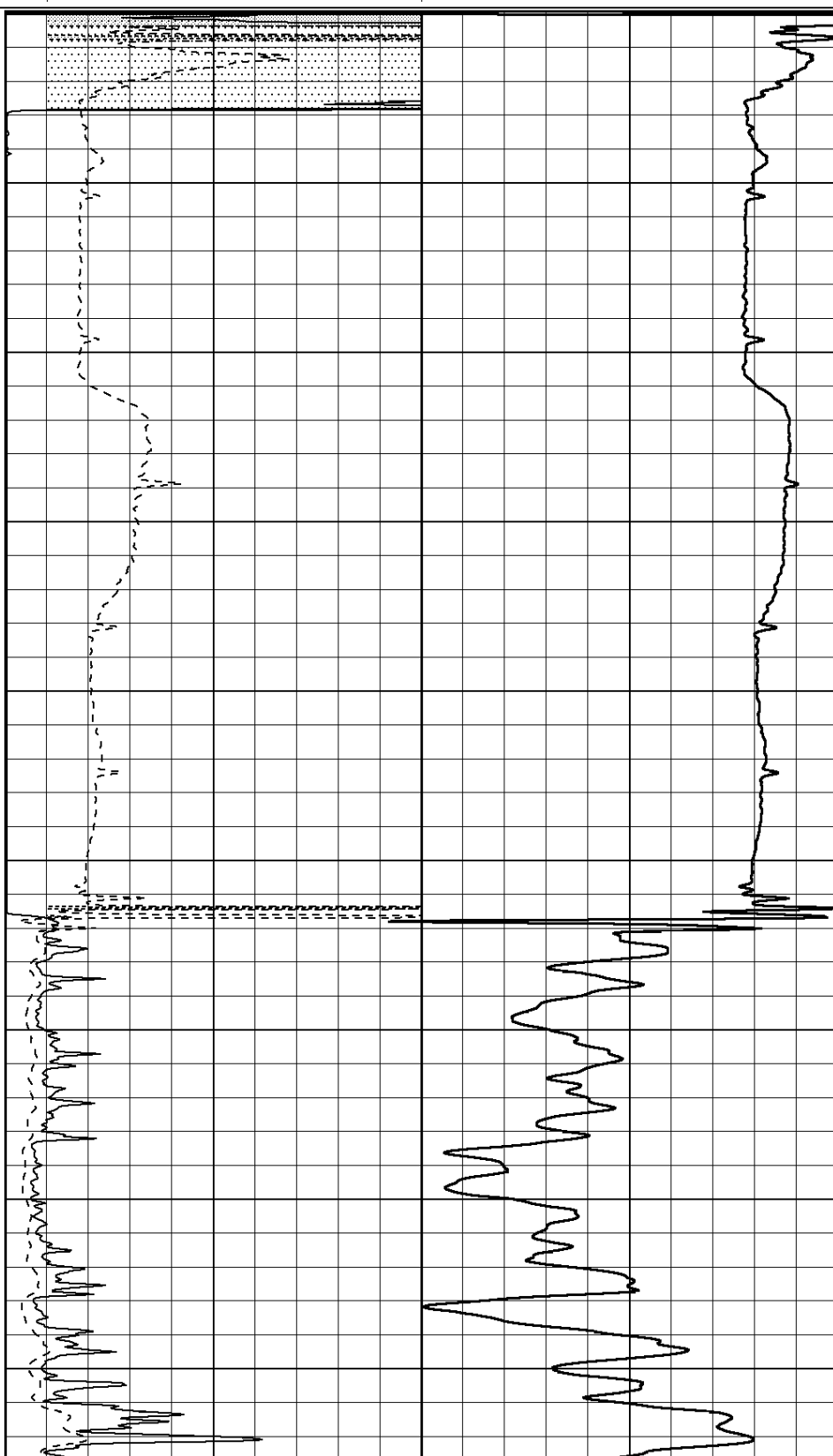
1000 CILD (mmho/m) 0

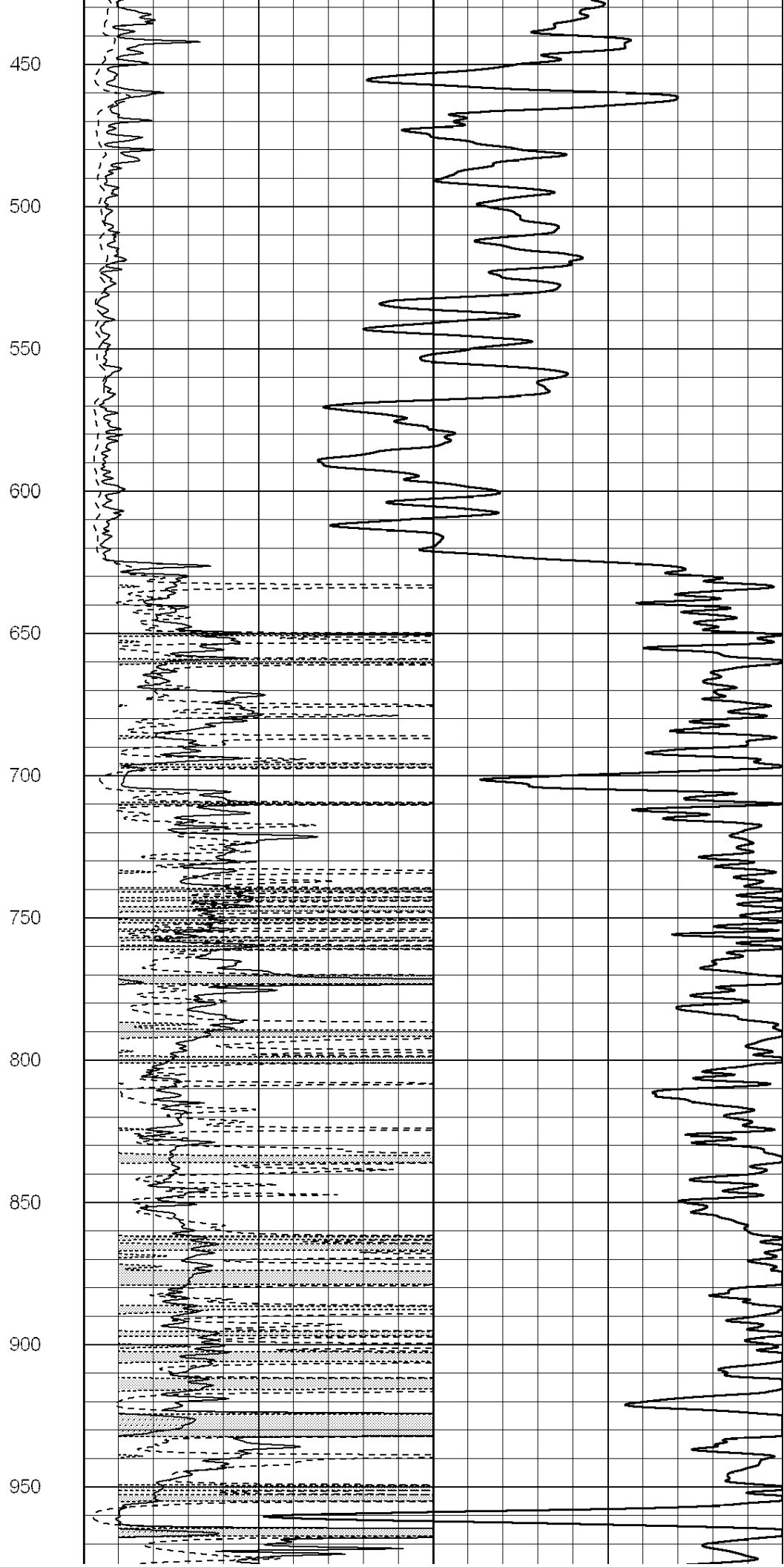
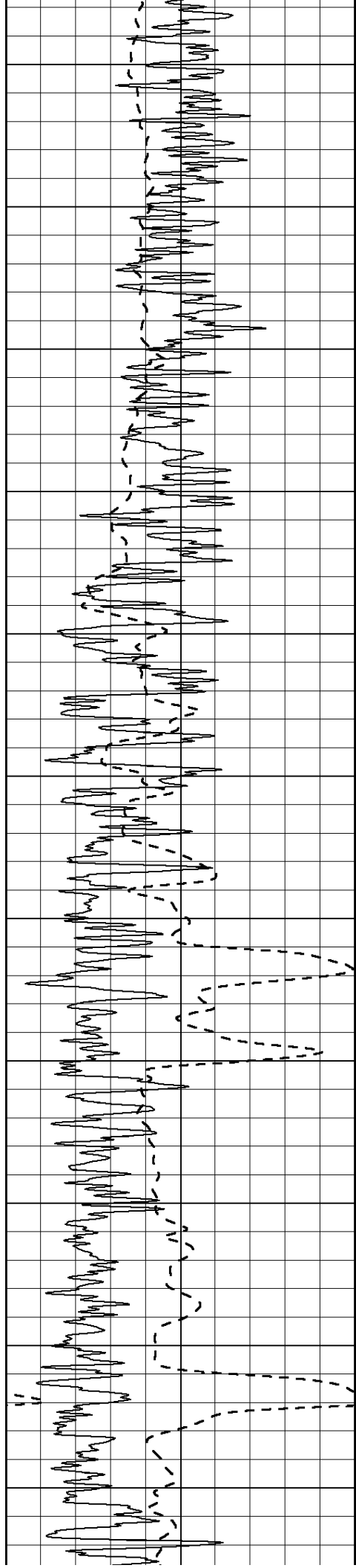
50 RILD X10 (Ohm-m) 500

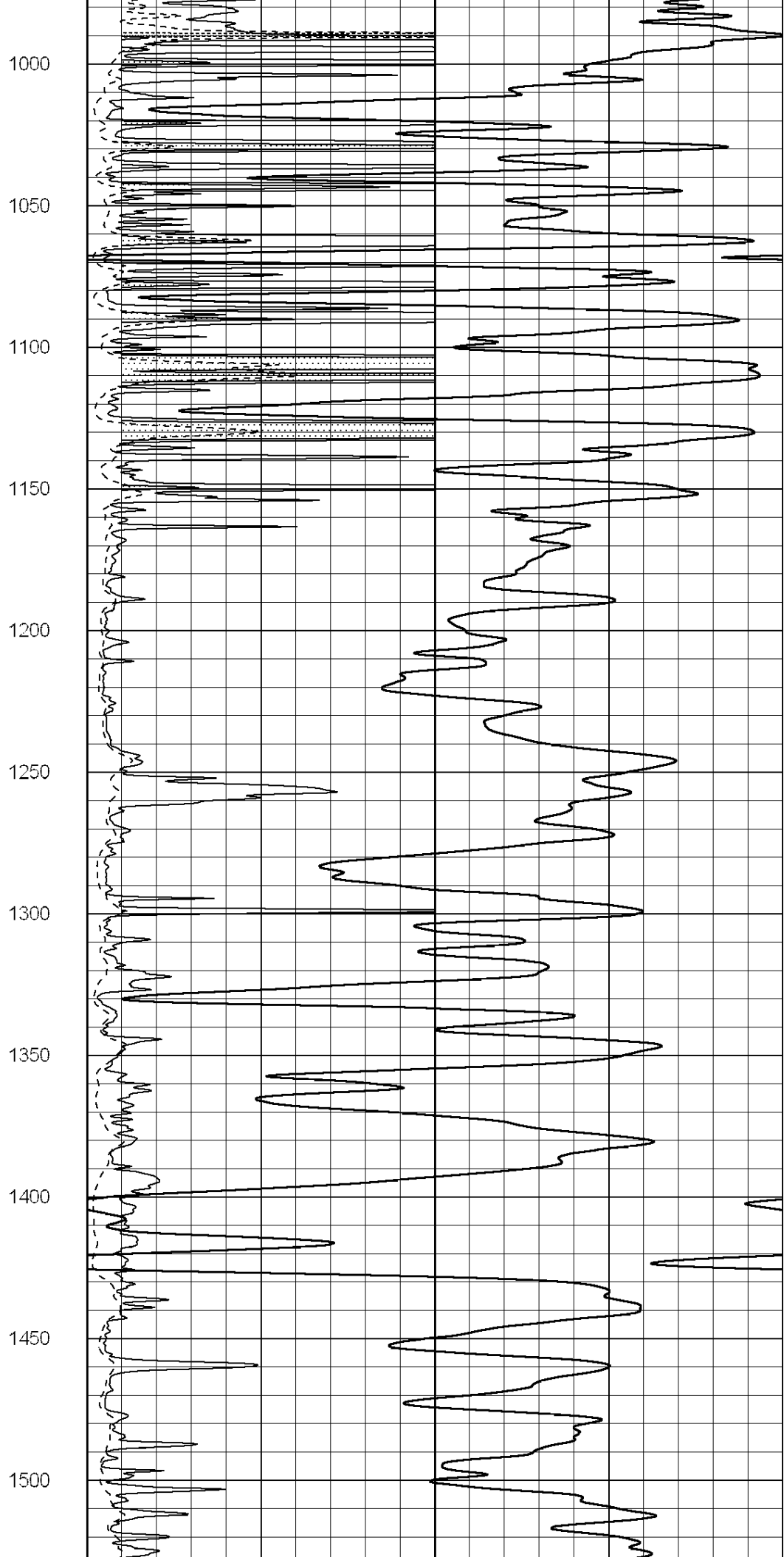
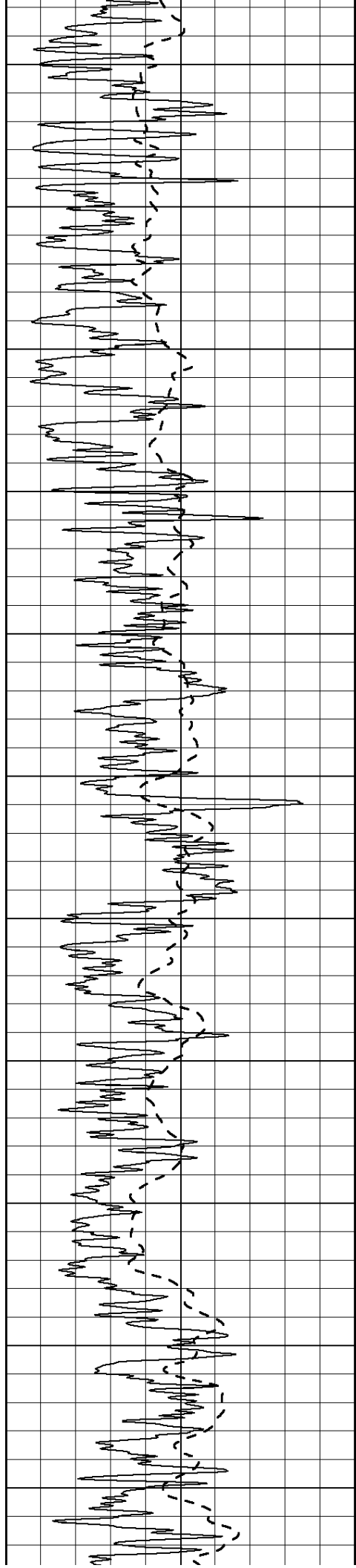
50 RLL3 X10 (Ohm-m) 500

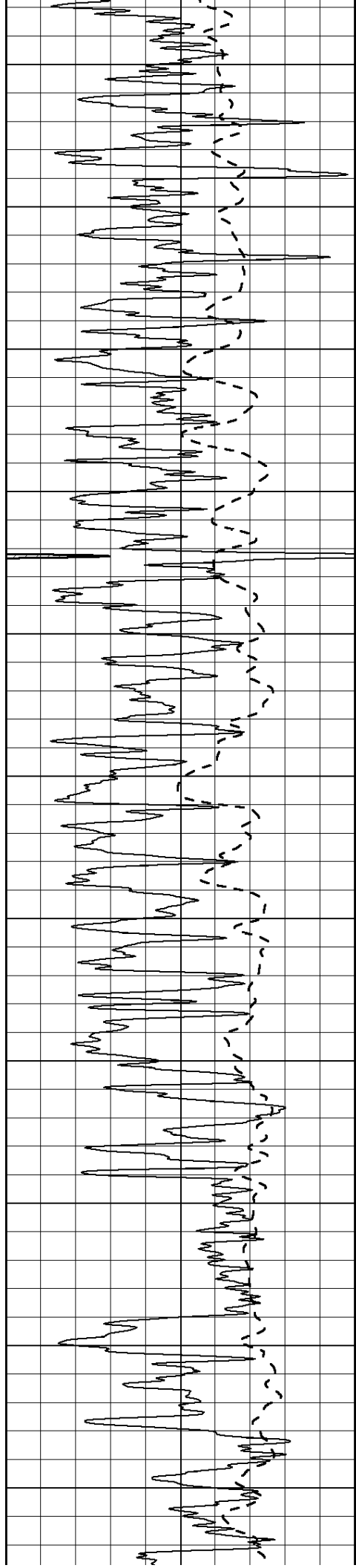


0
50
100
150
200
250
300
350
400









1550

1600

1650

1700

1750

1800

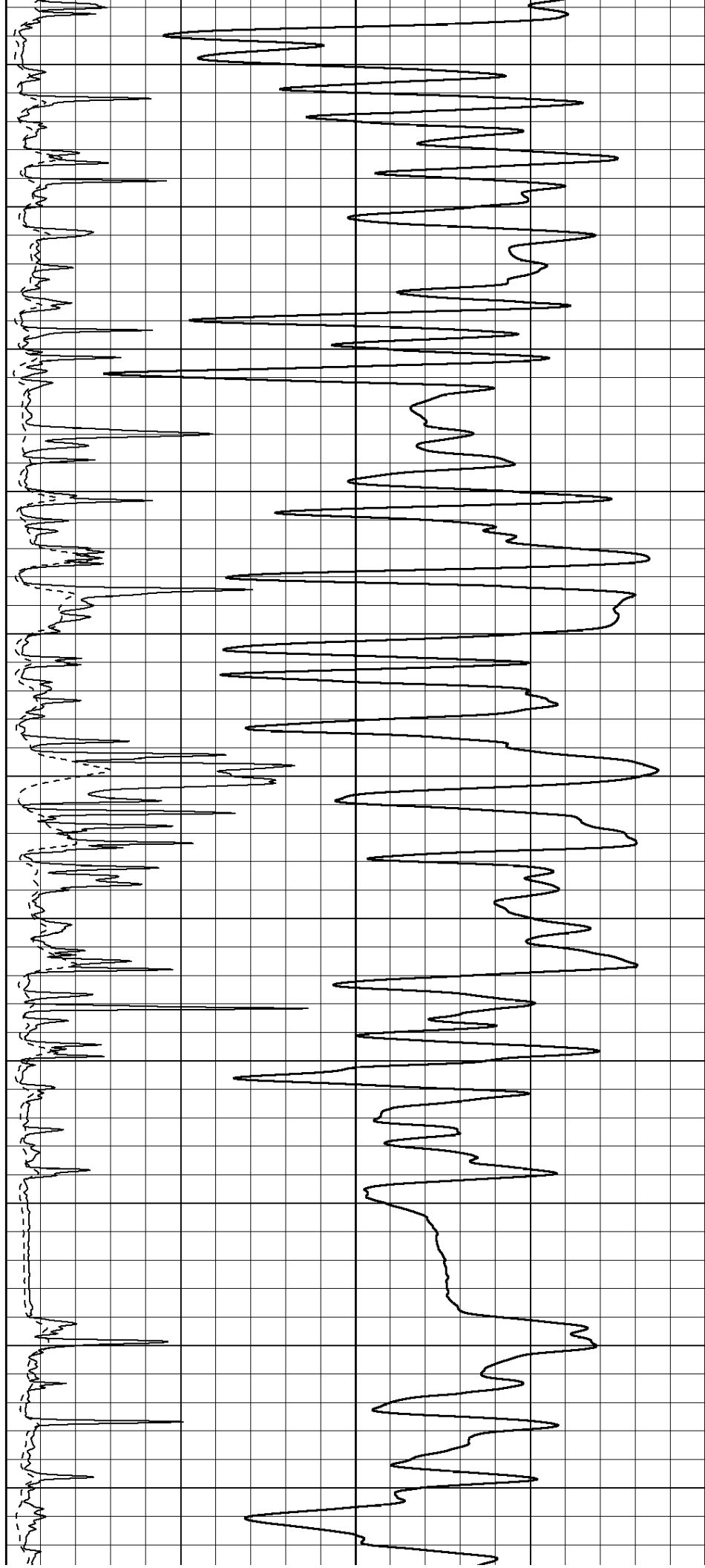
1850

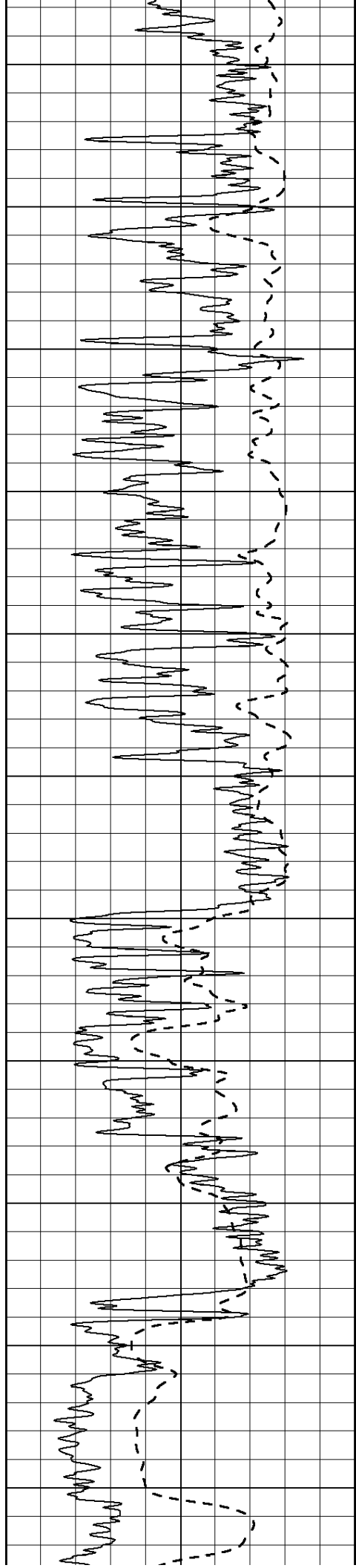
1900

1950

2000

2050





2100

2150

2200

2250

2300

2350

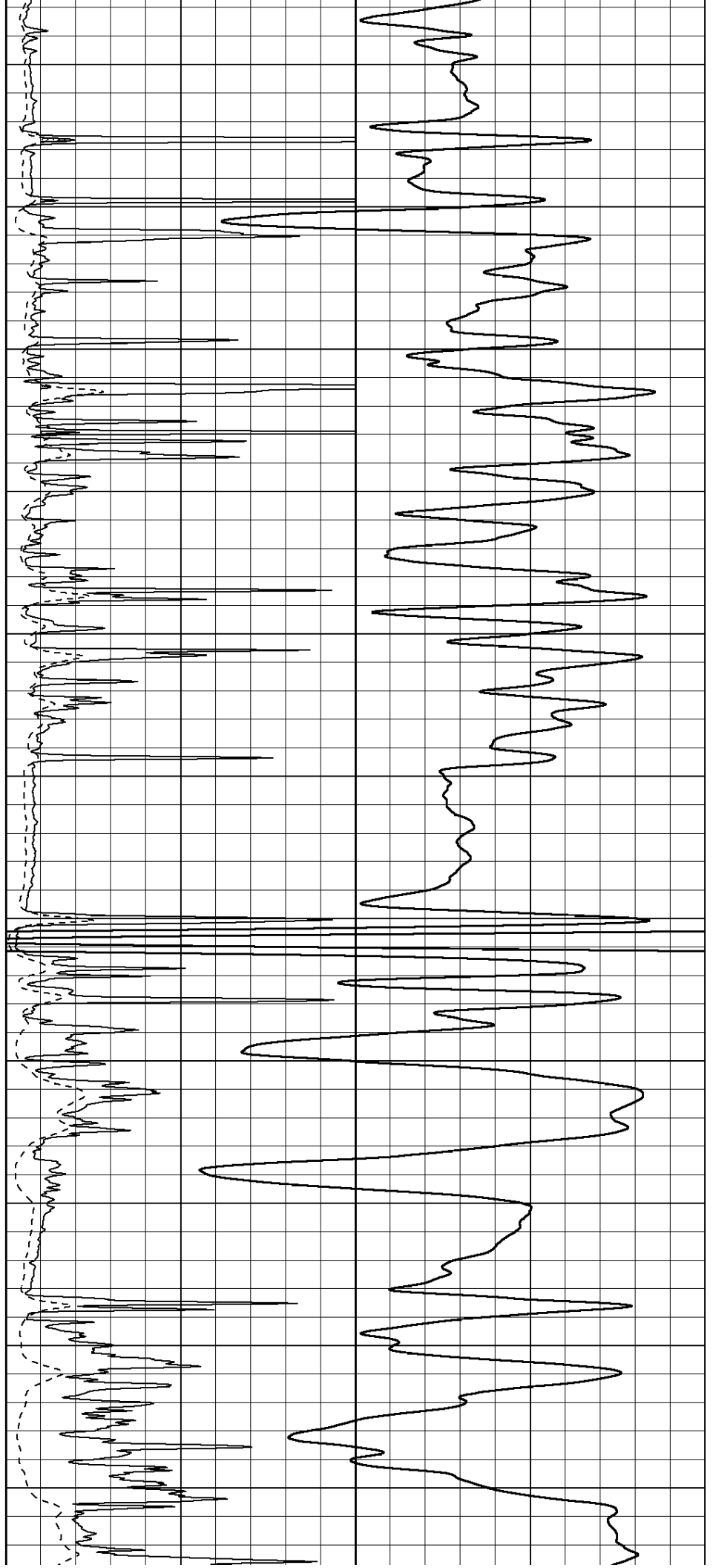
2400

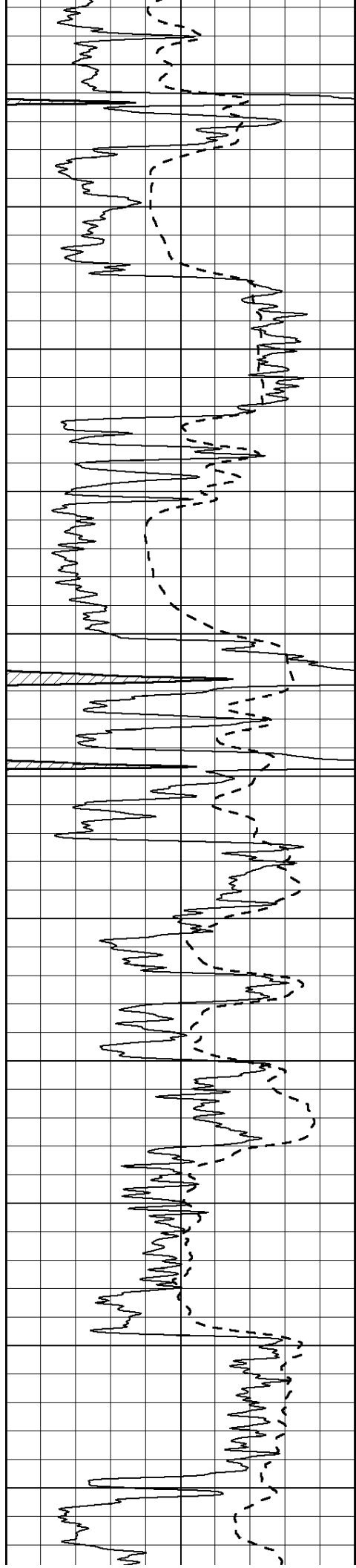
2450

2500

2550

2600





2650

2700

2750

2800

2850

2900

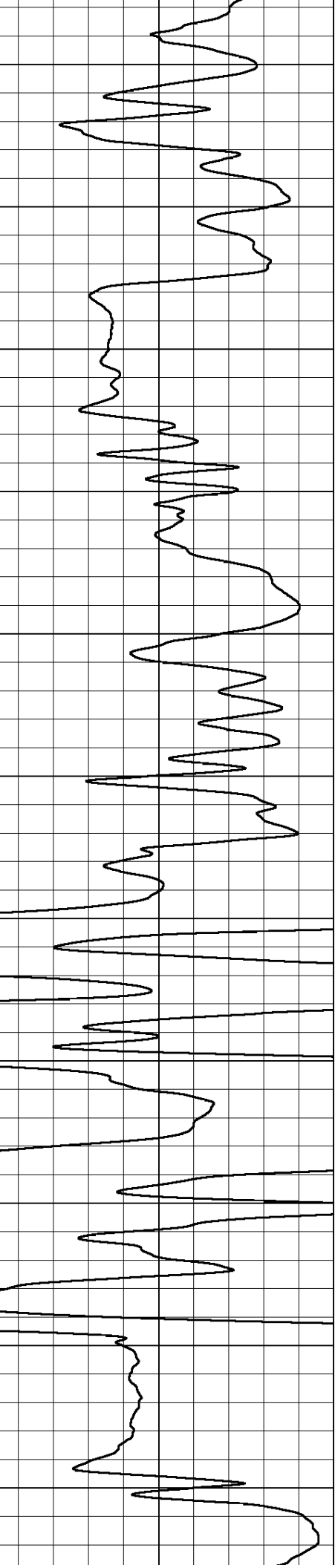
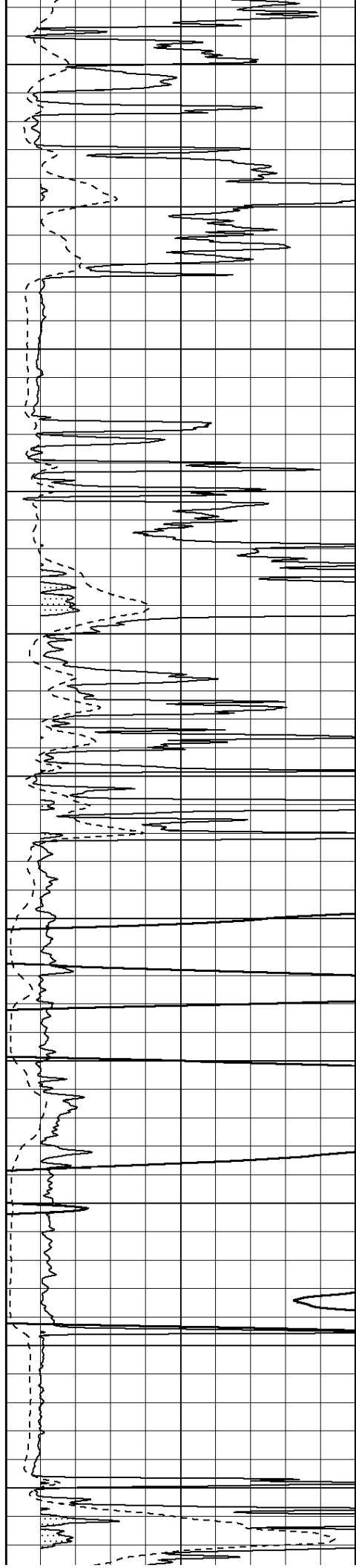
2950

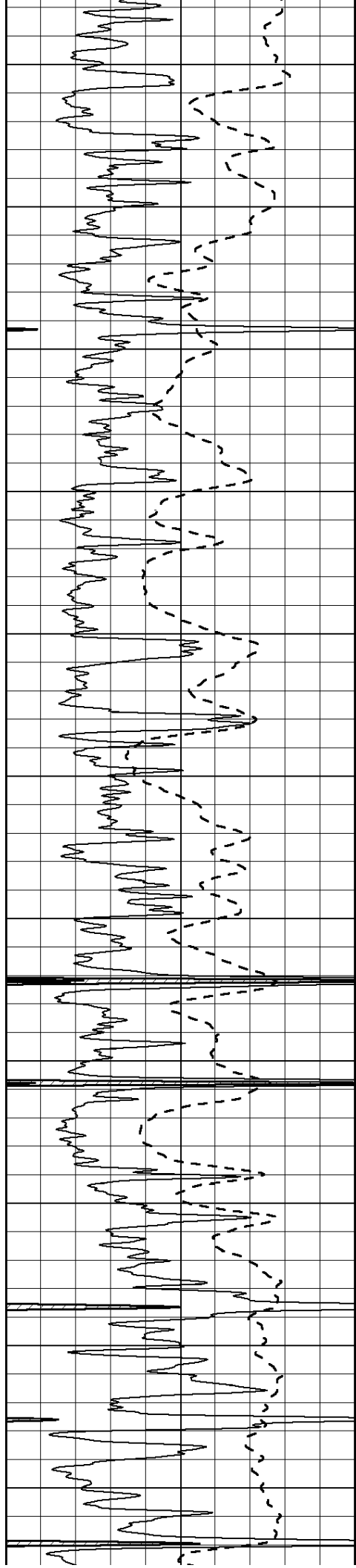
3000

3050

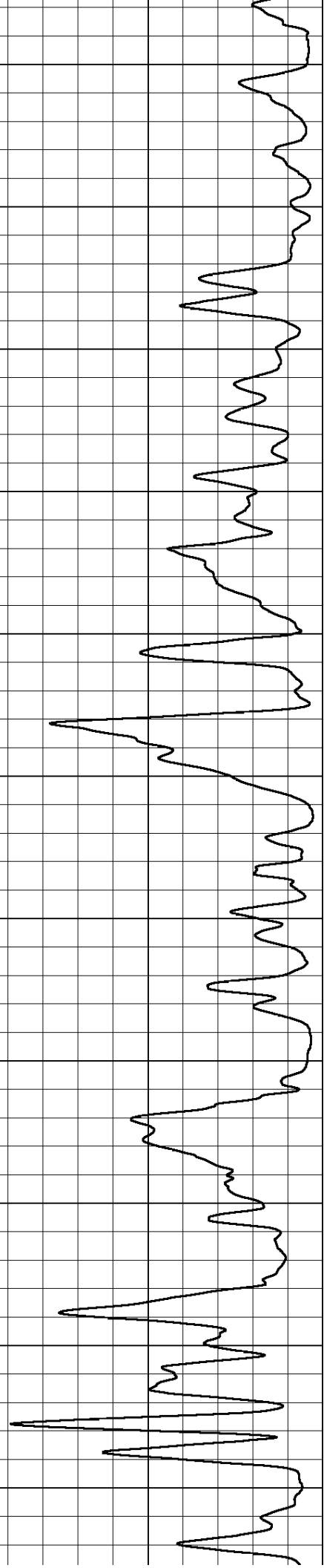
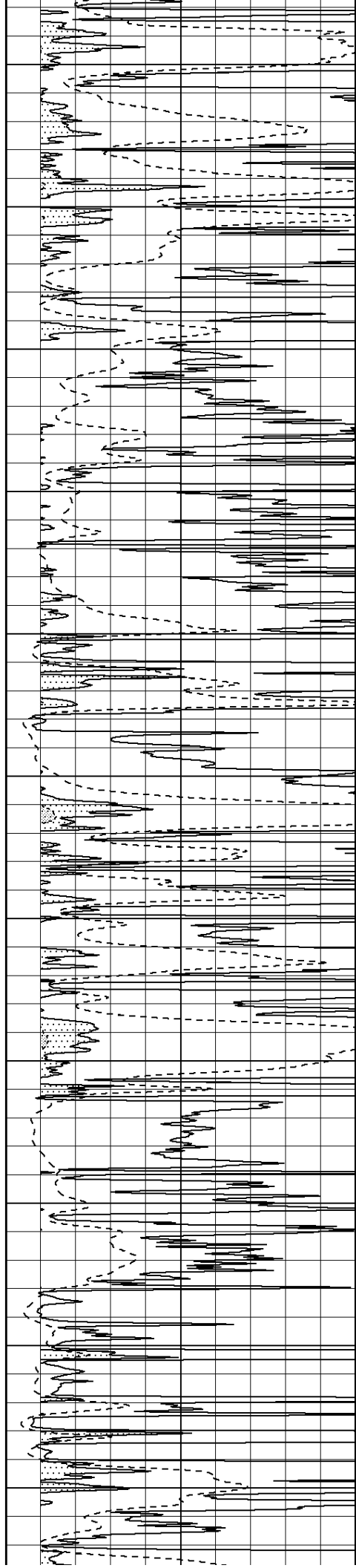
3100

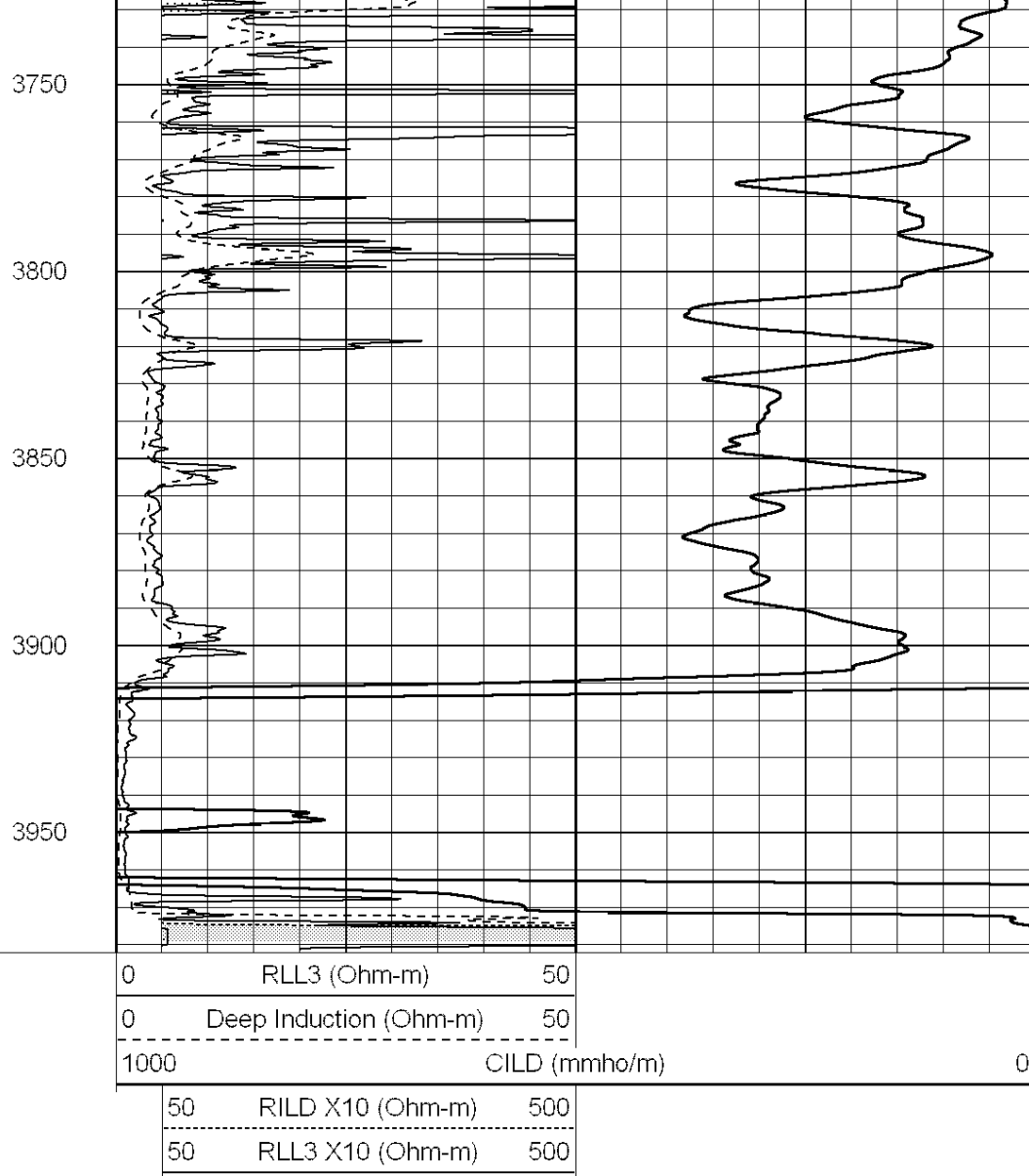
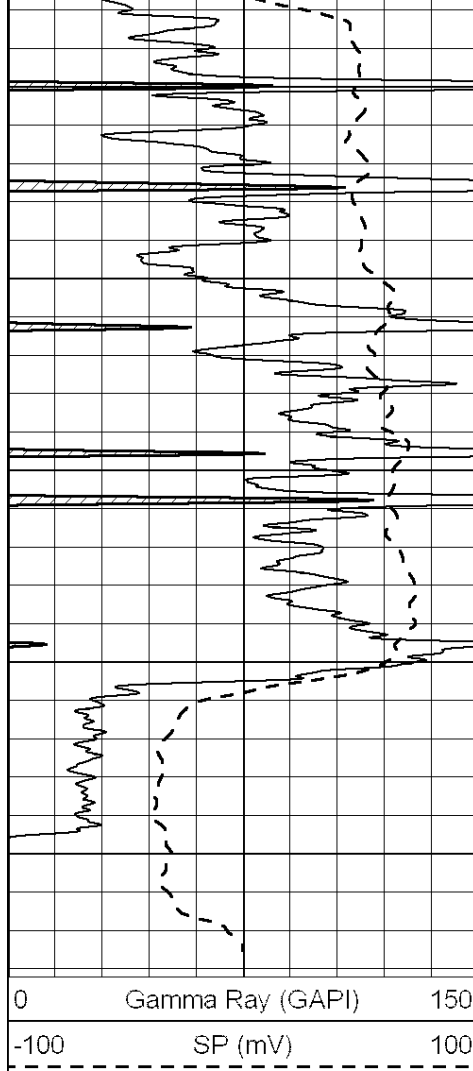
3150





3200
3250
3300
3350
3400
3450
3500
3550
3600
3650
3700

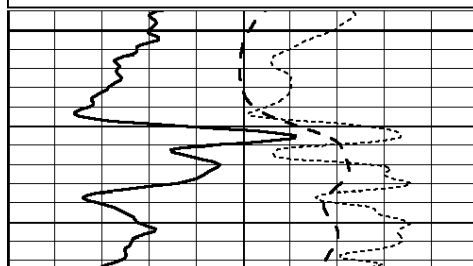
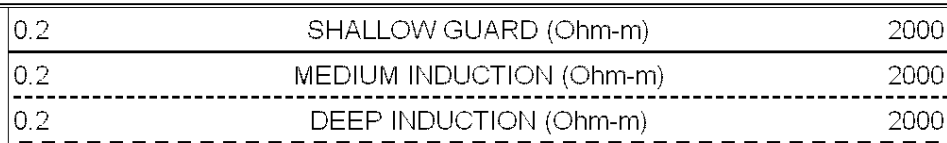
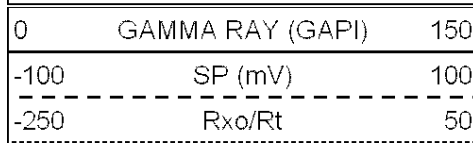




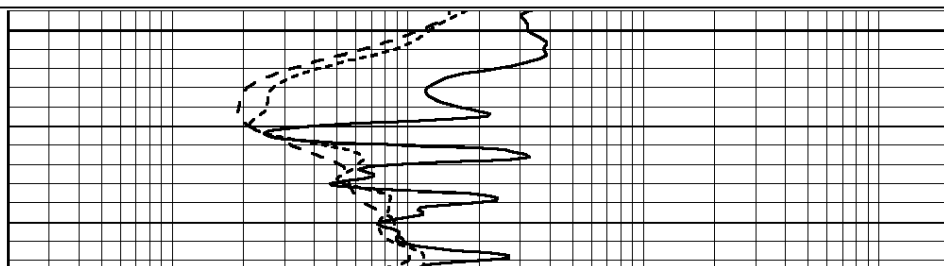
SUPERIOR
Hays,
Kansas

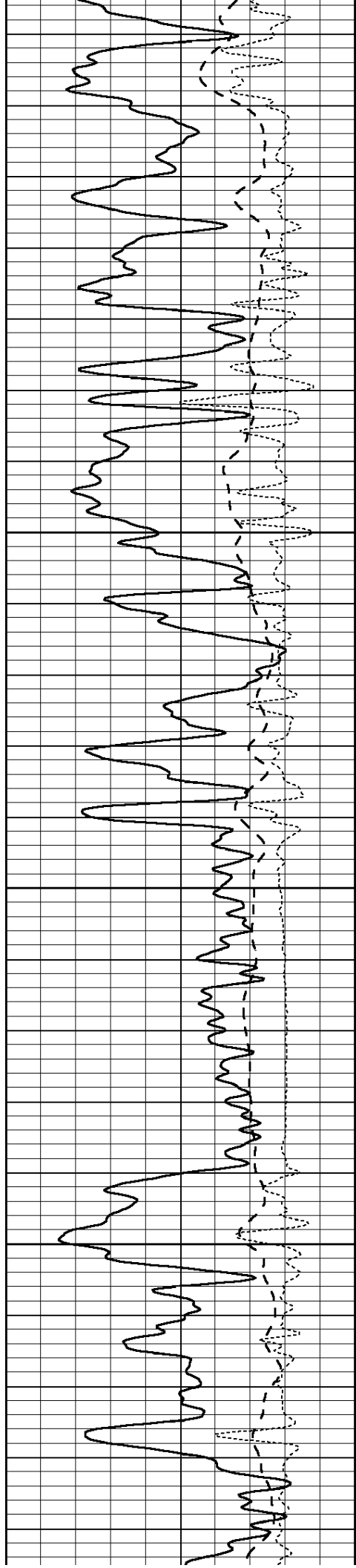
MAIN SECTION

Database File: 008095ddn.db
Dataset Pathname: pass3.2
Presentation Format: _dil
Dataset Creation: Sat Dec 03 12:52:05 2011 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240



1800



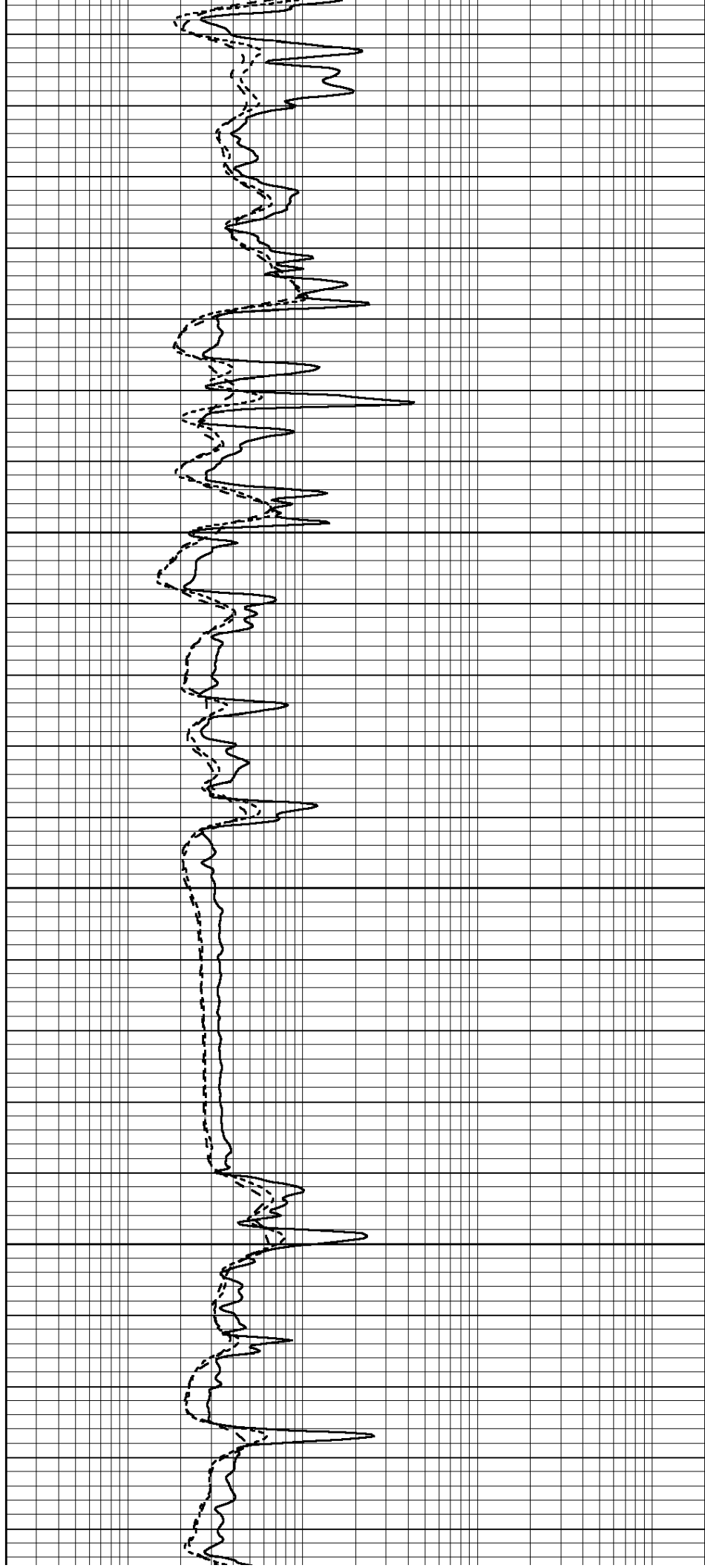


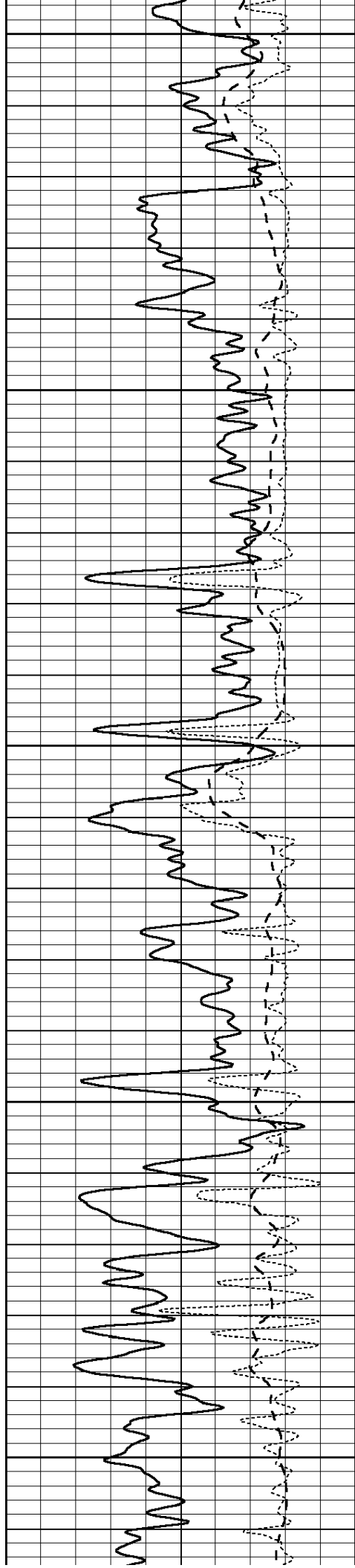
1850

1900

1950

2000





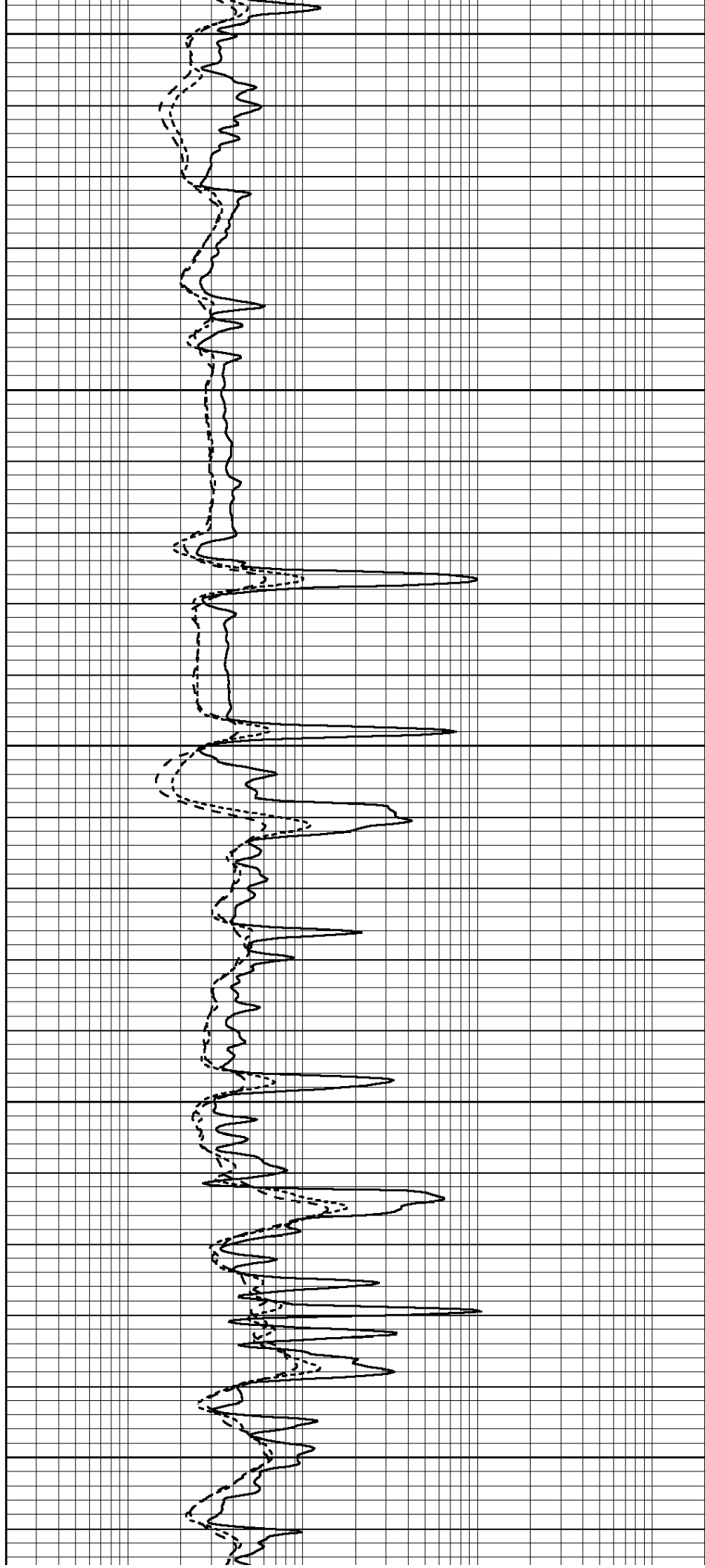
2050

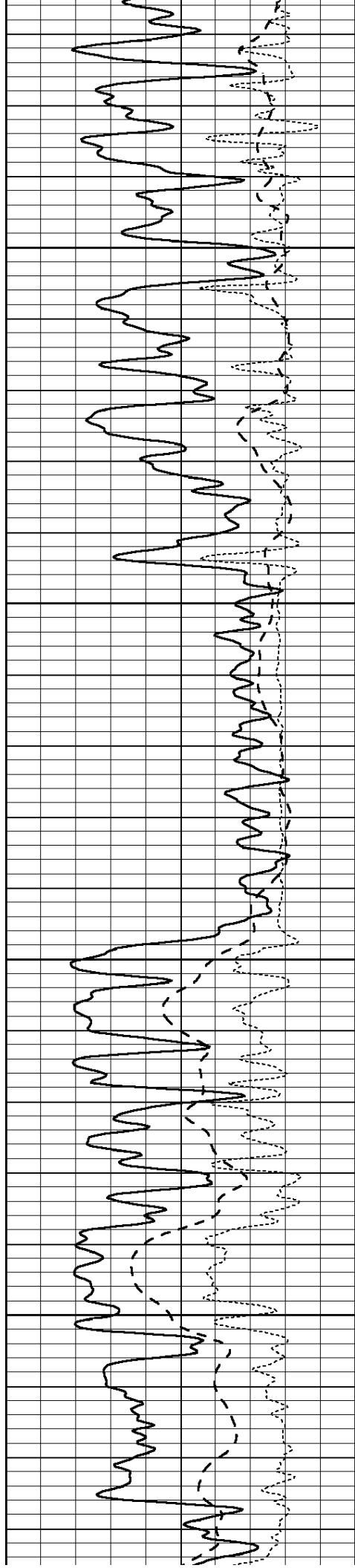
2100

2150

2200

2250



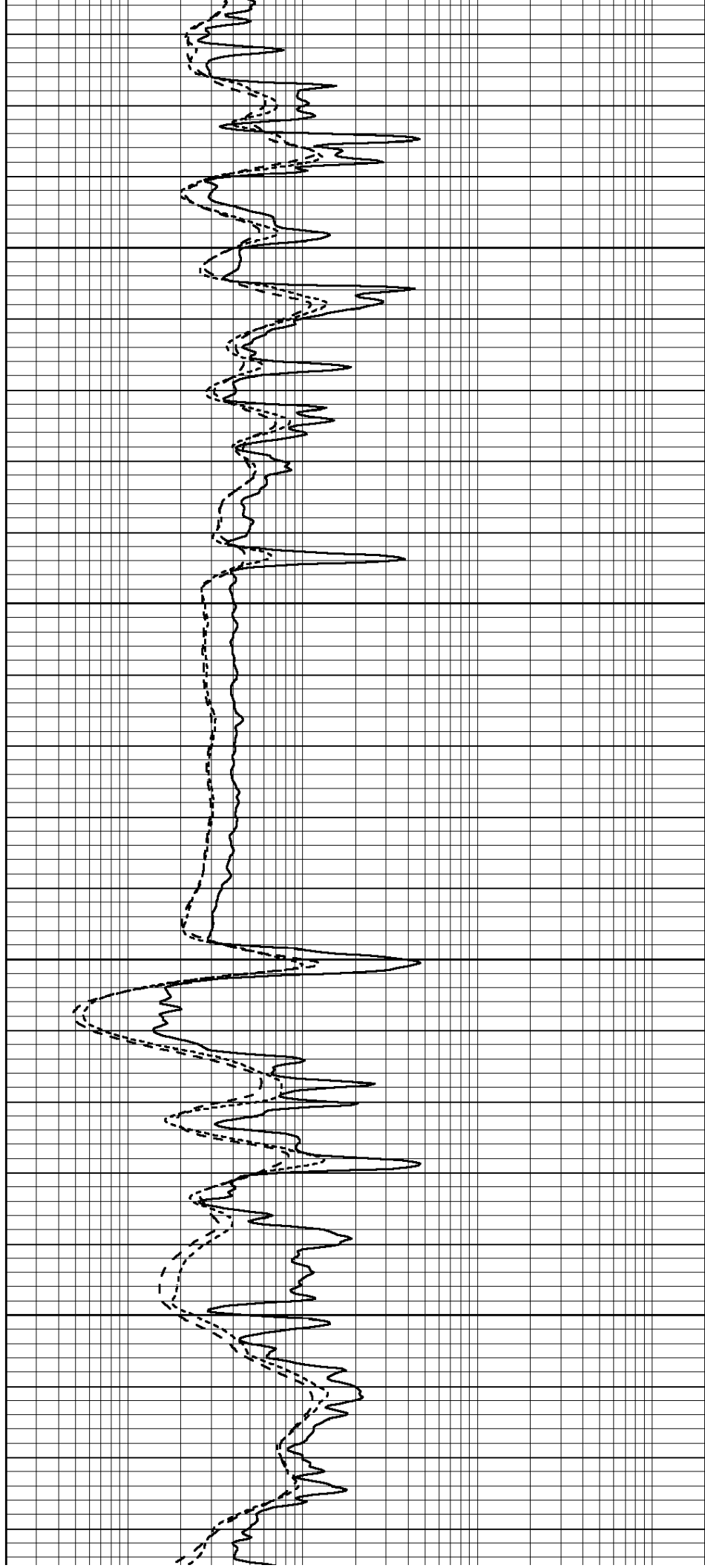


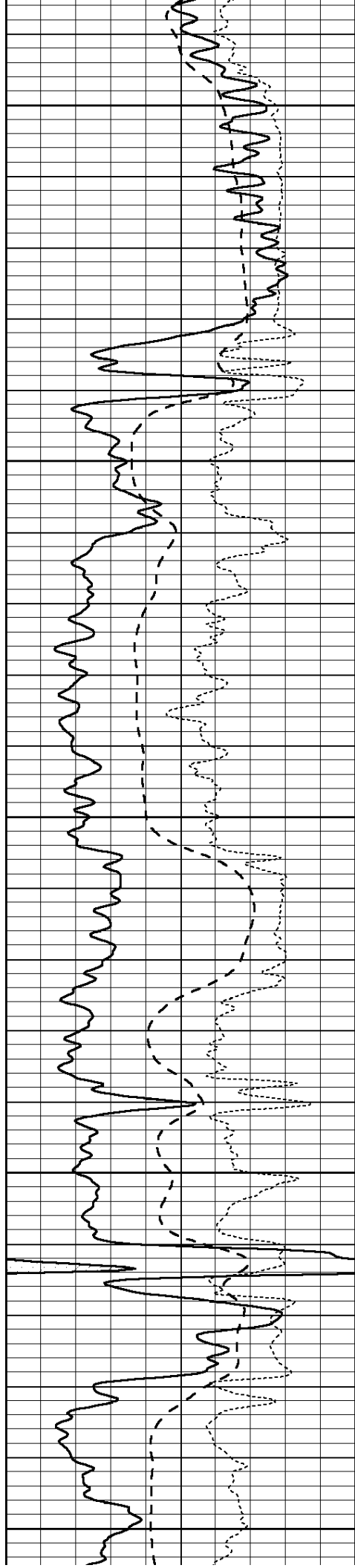
2300

2350

2400

2450





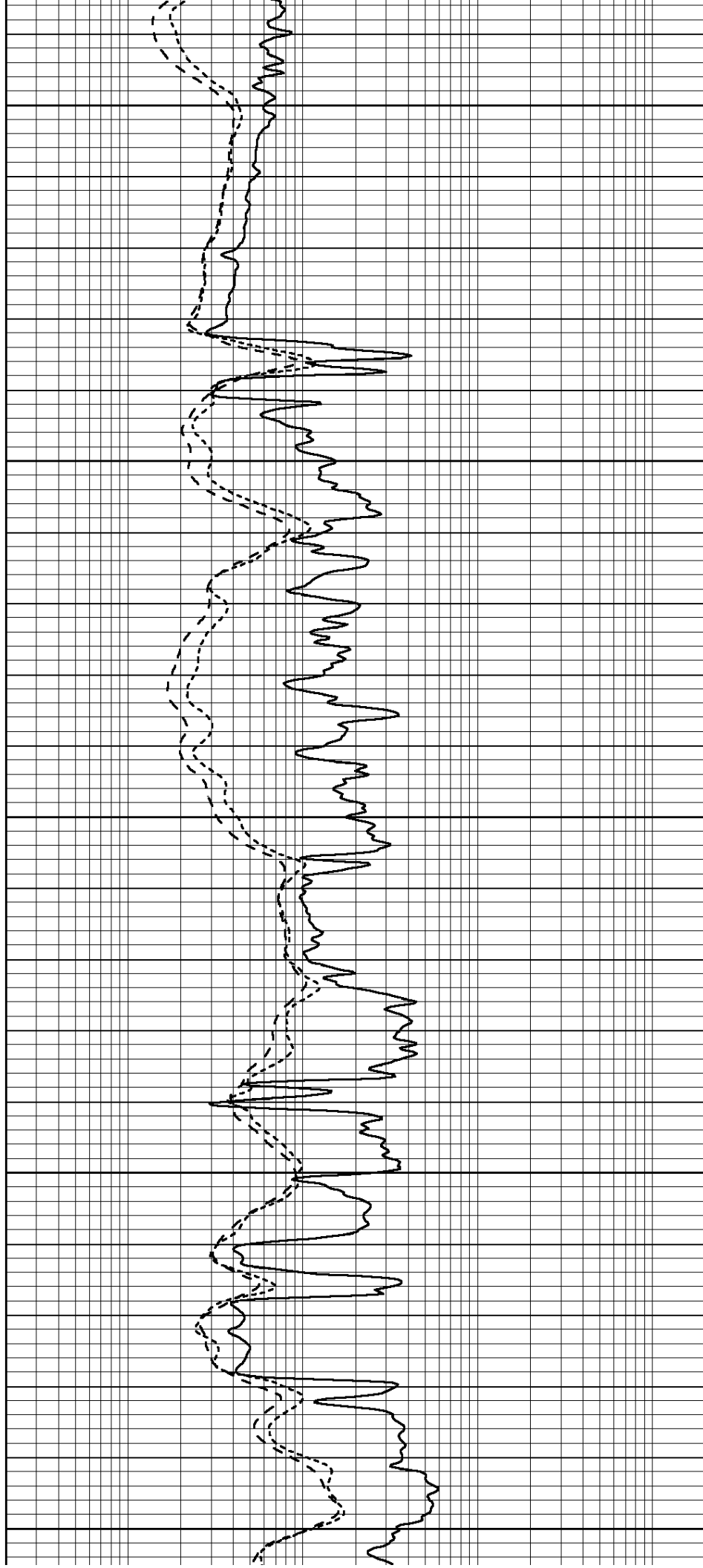
2500

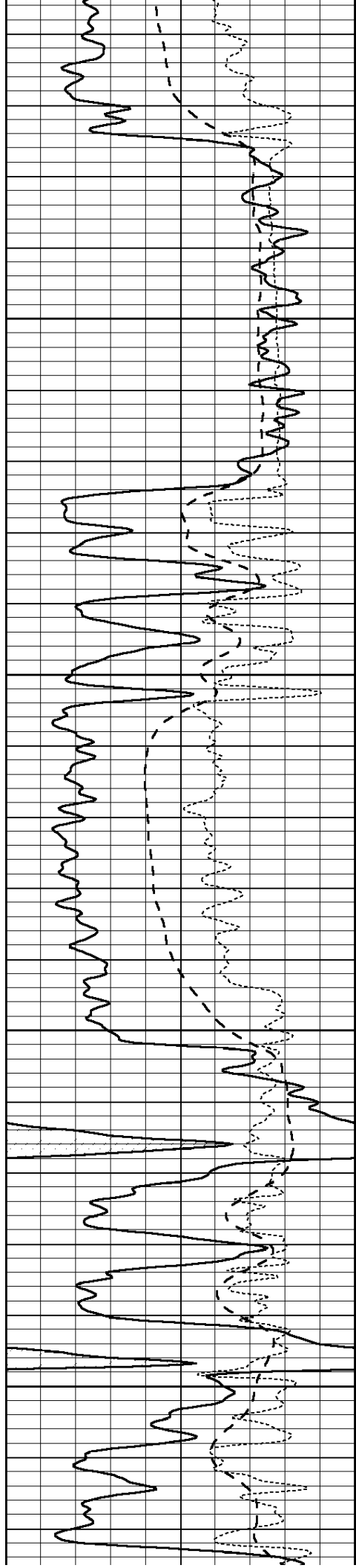
2550

2600

2650

2700



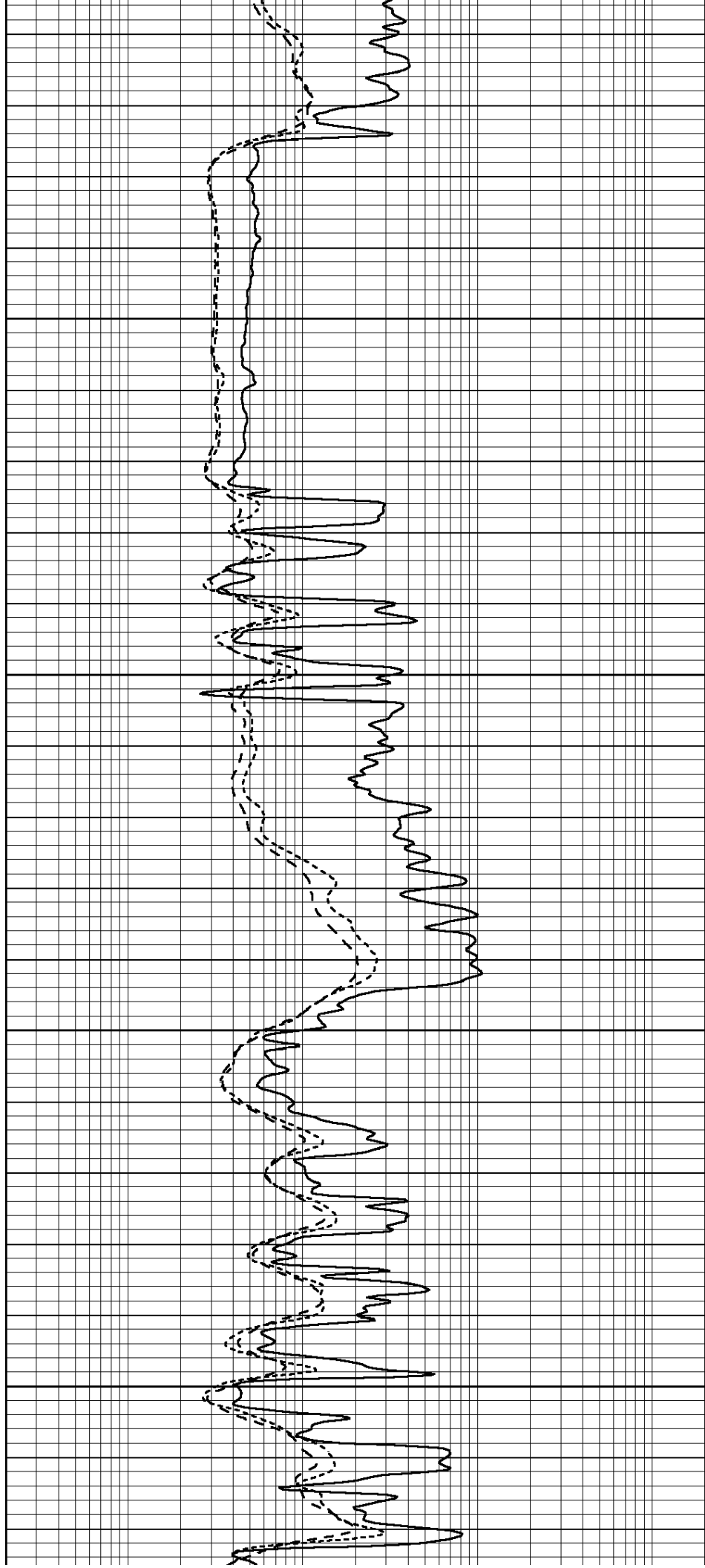


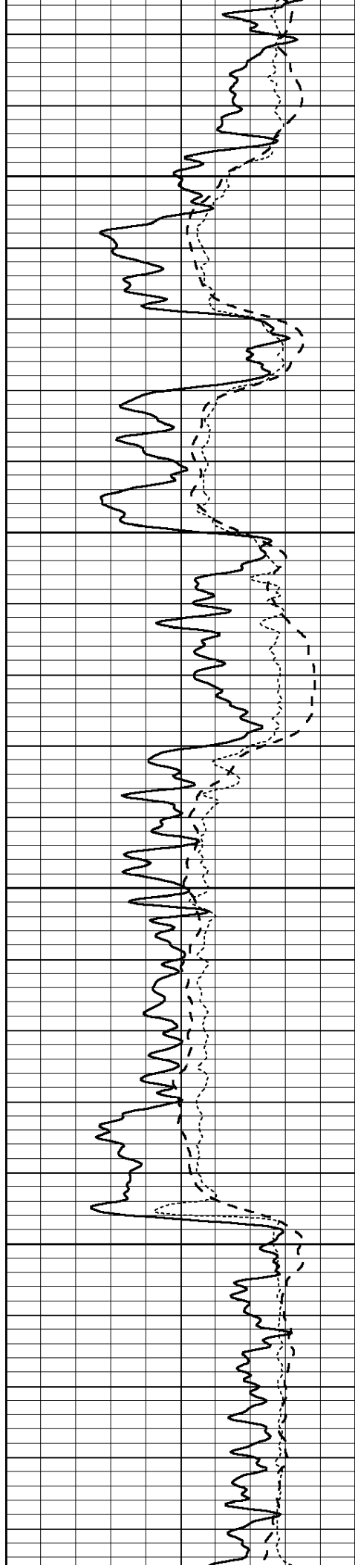
2750

2800

2850

2900



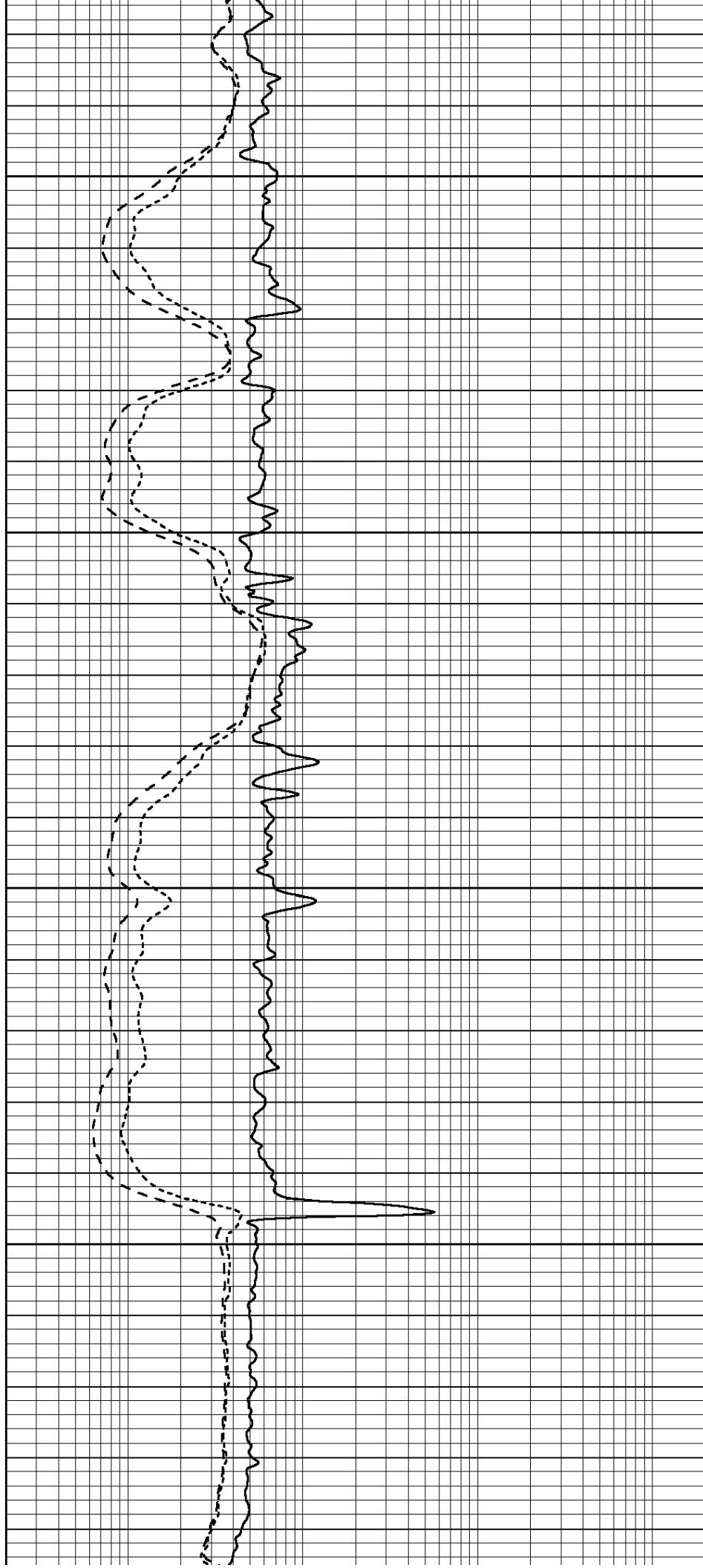


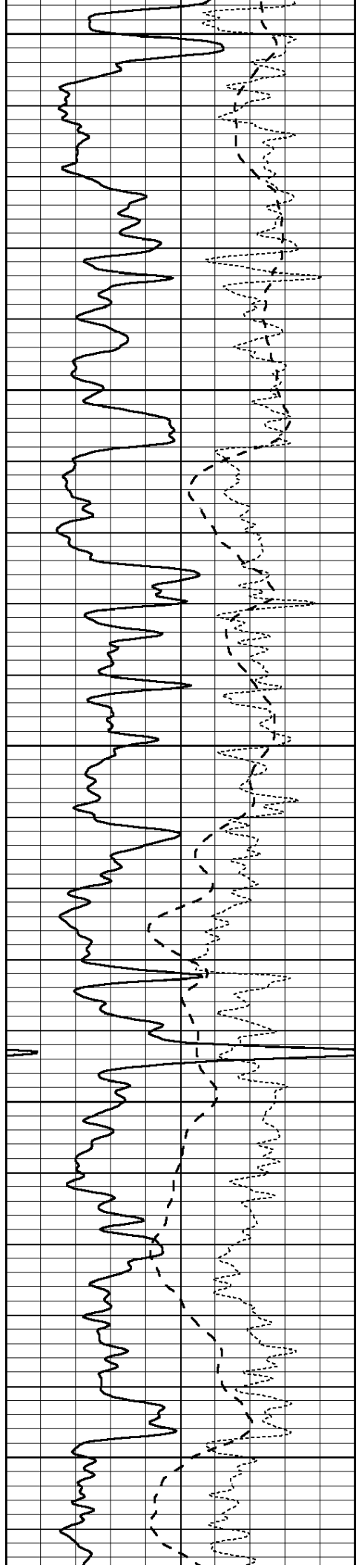
2950

3000

3050

3100





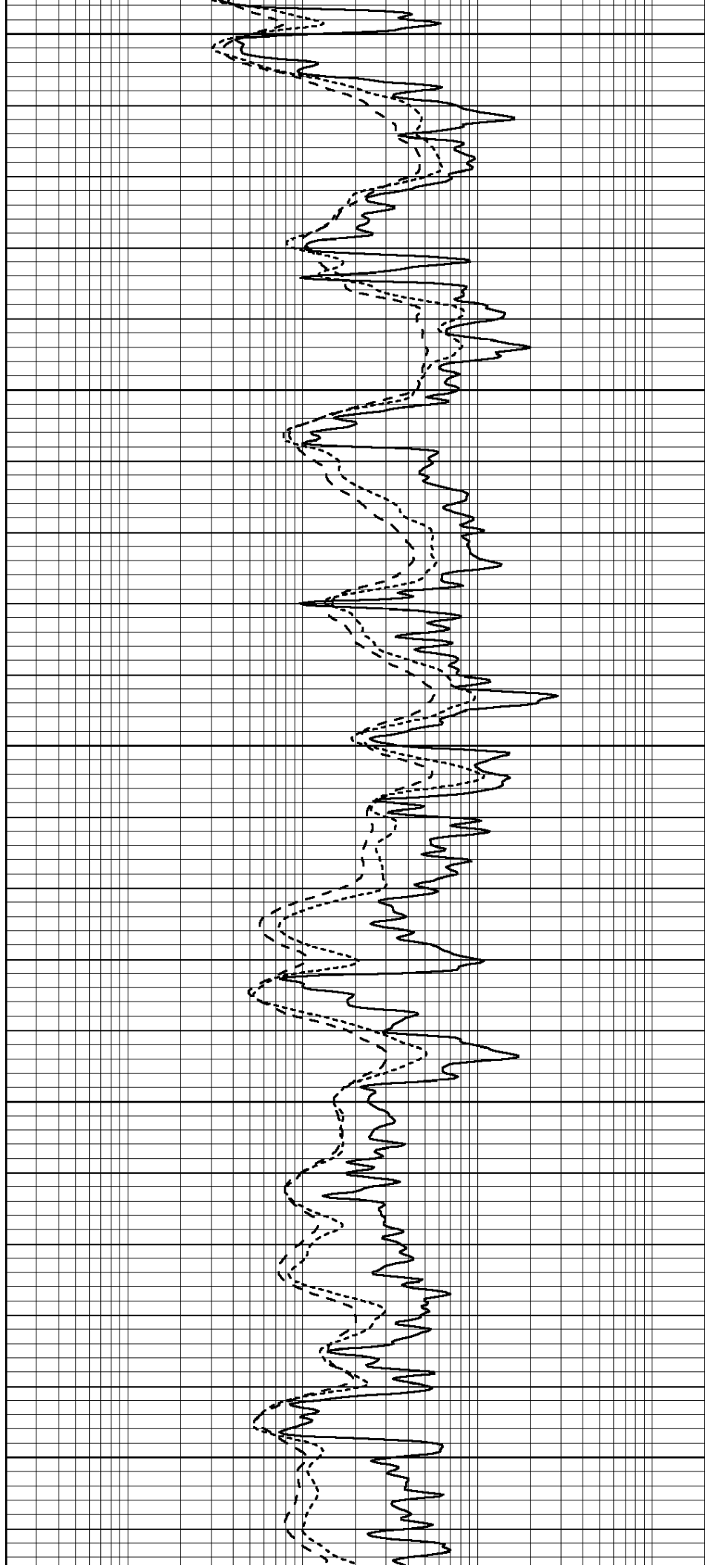
3150

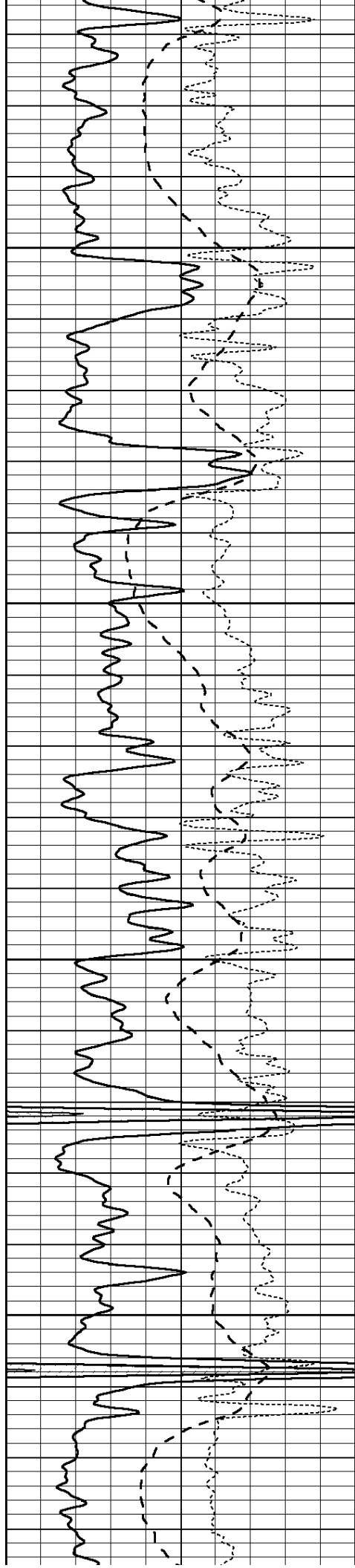
3200

3250

3300

3350



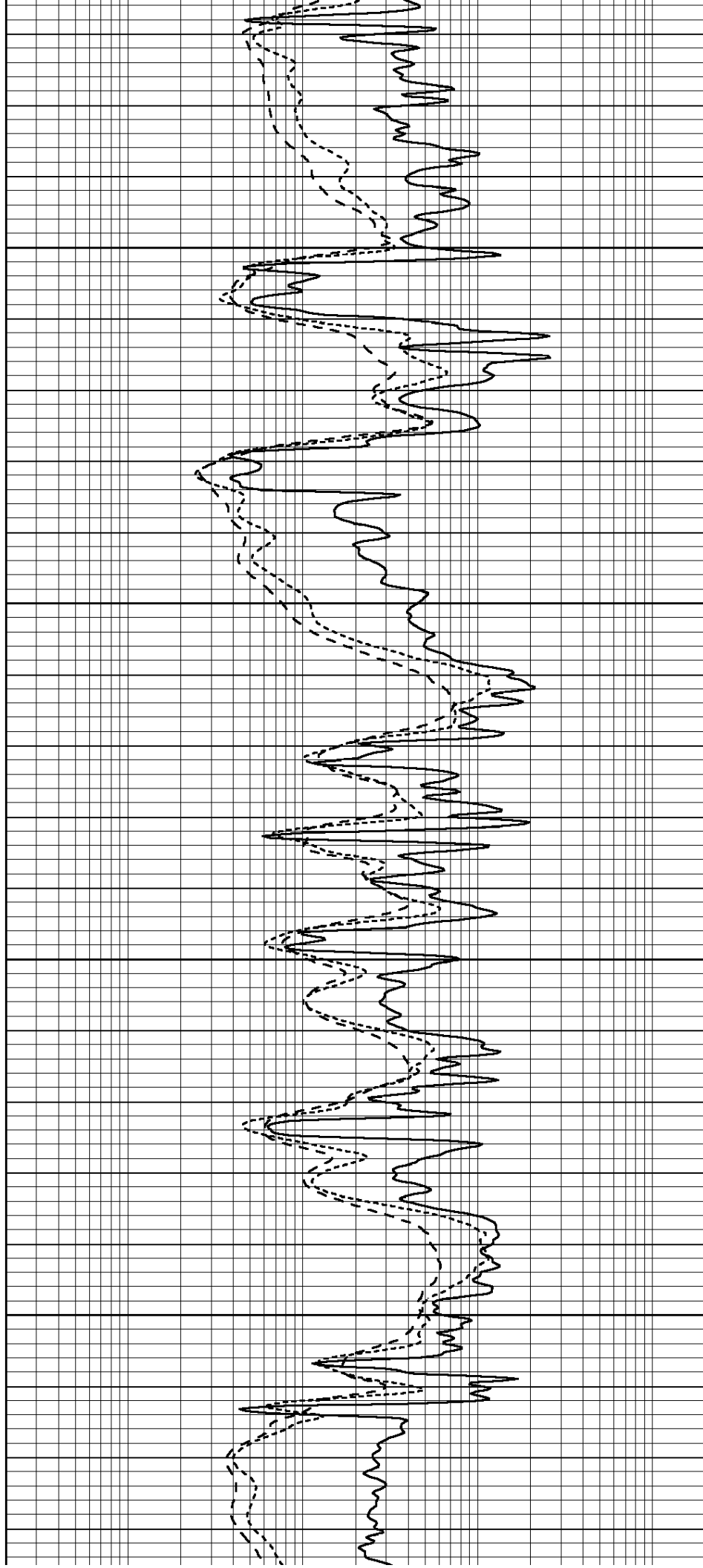


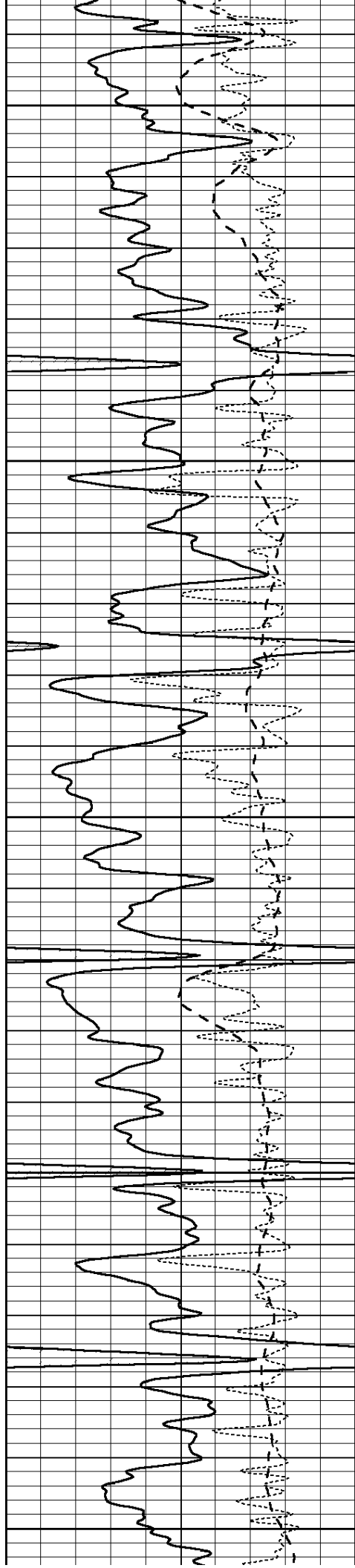
3400

3450

3500

3550





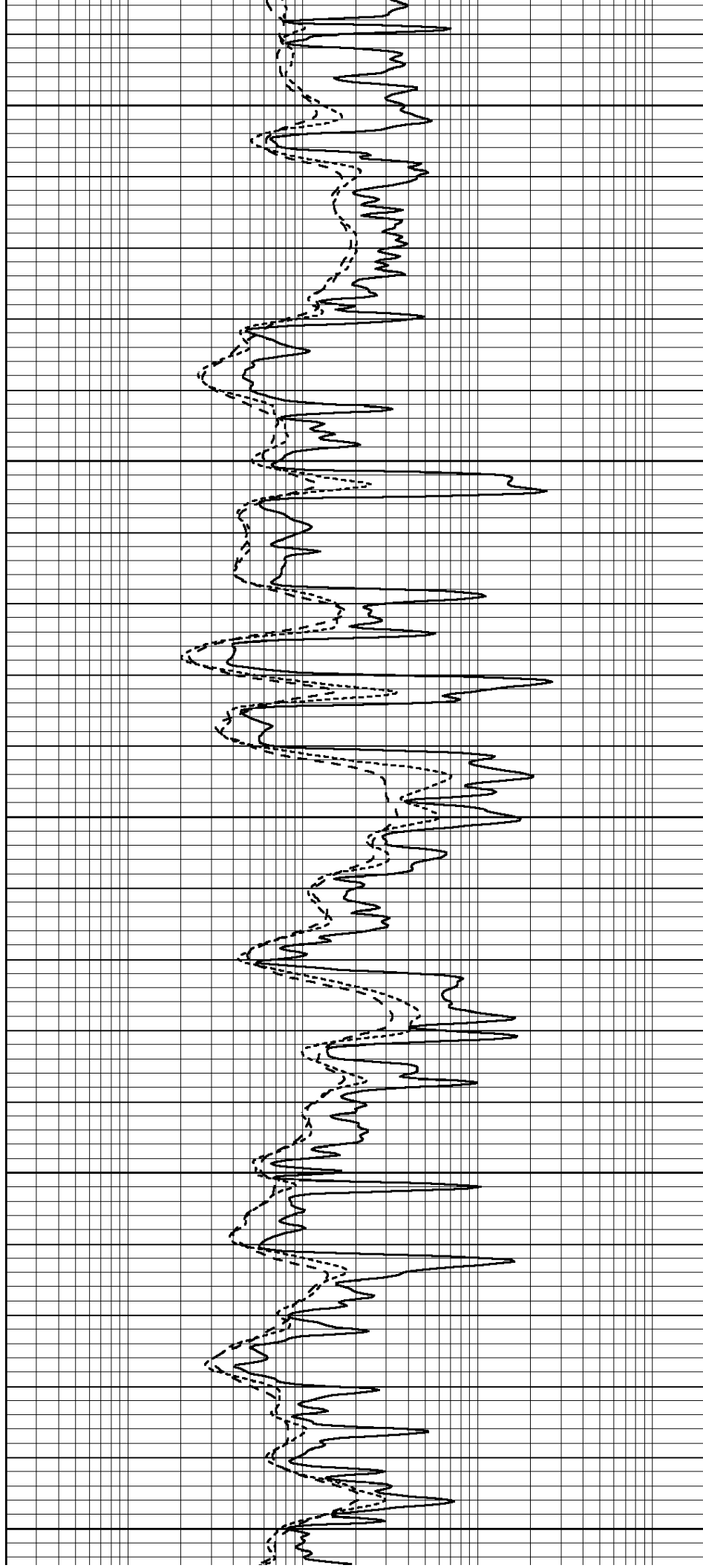
3600

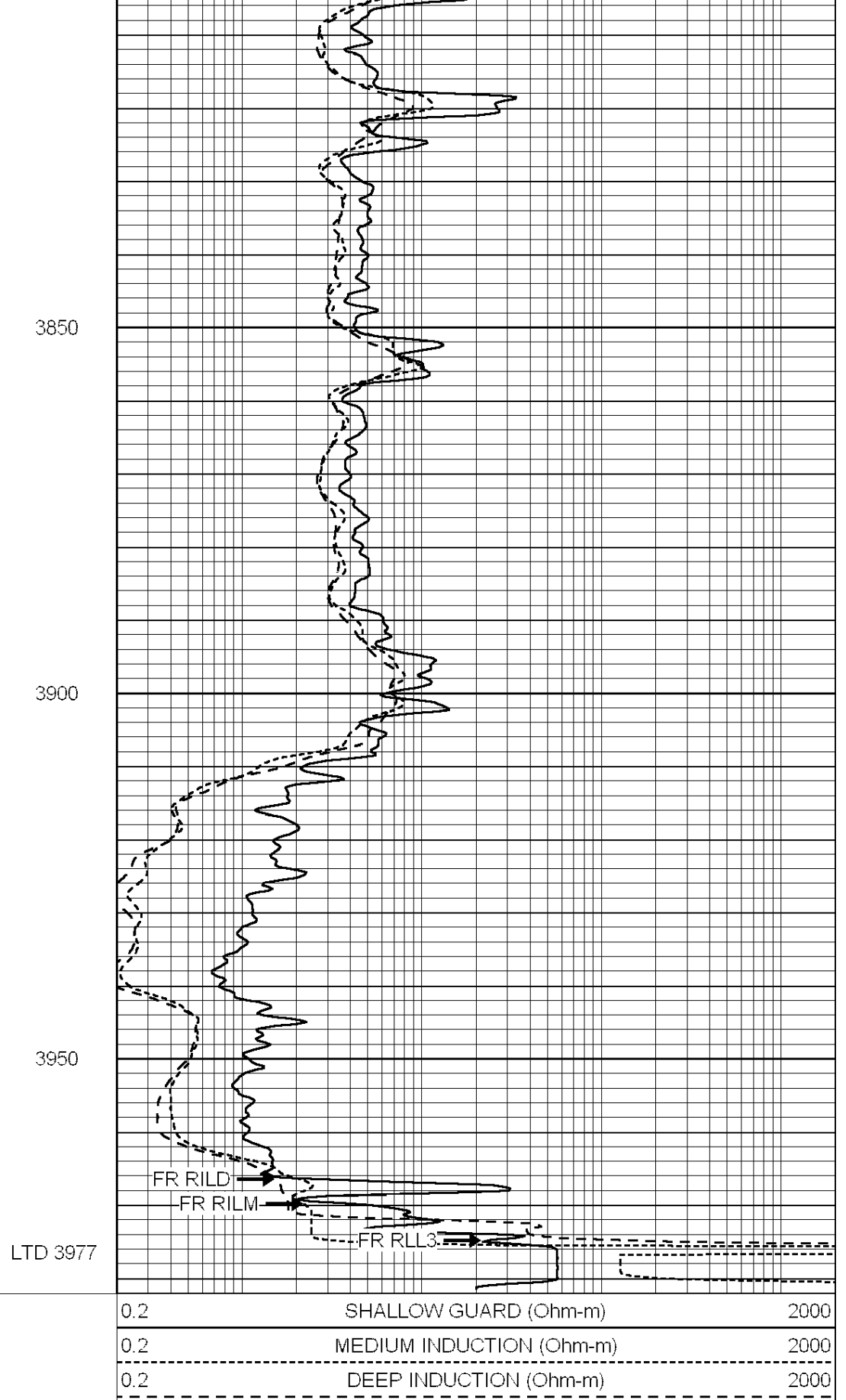
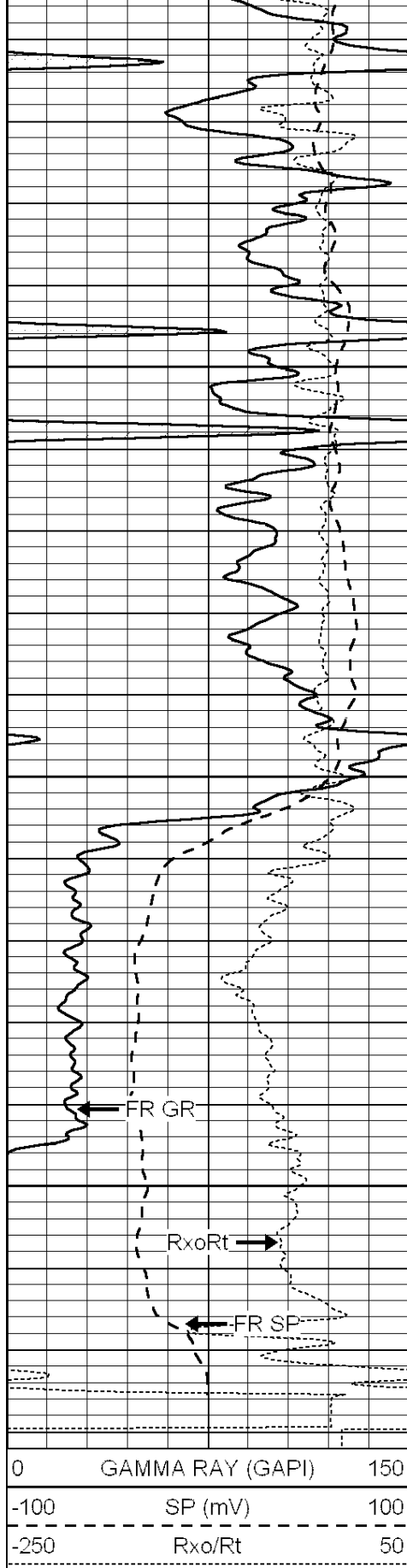
3650

3700

3750

3800





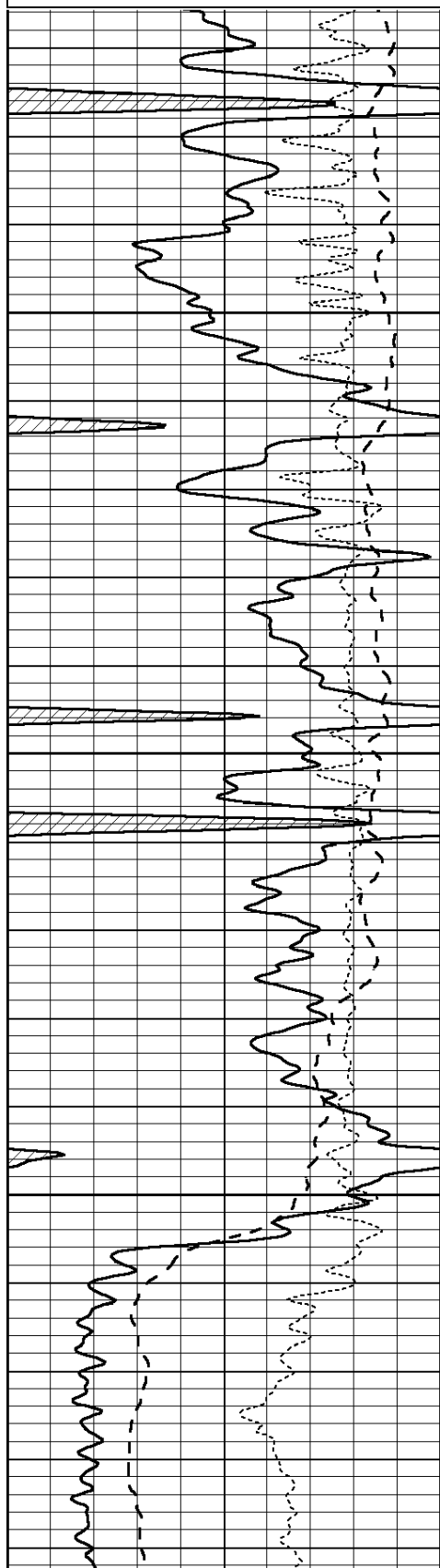
SUPERIOR
Hays,
Kansas

REPEAT SECTION

Database File: 008095ddn.db
Dataset Pathname: pass2.1
Presentation Format: _dil
Dataset Creation: Sat Dec 03 12:06:32 2011 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50

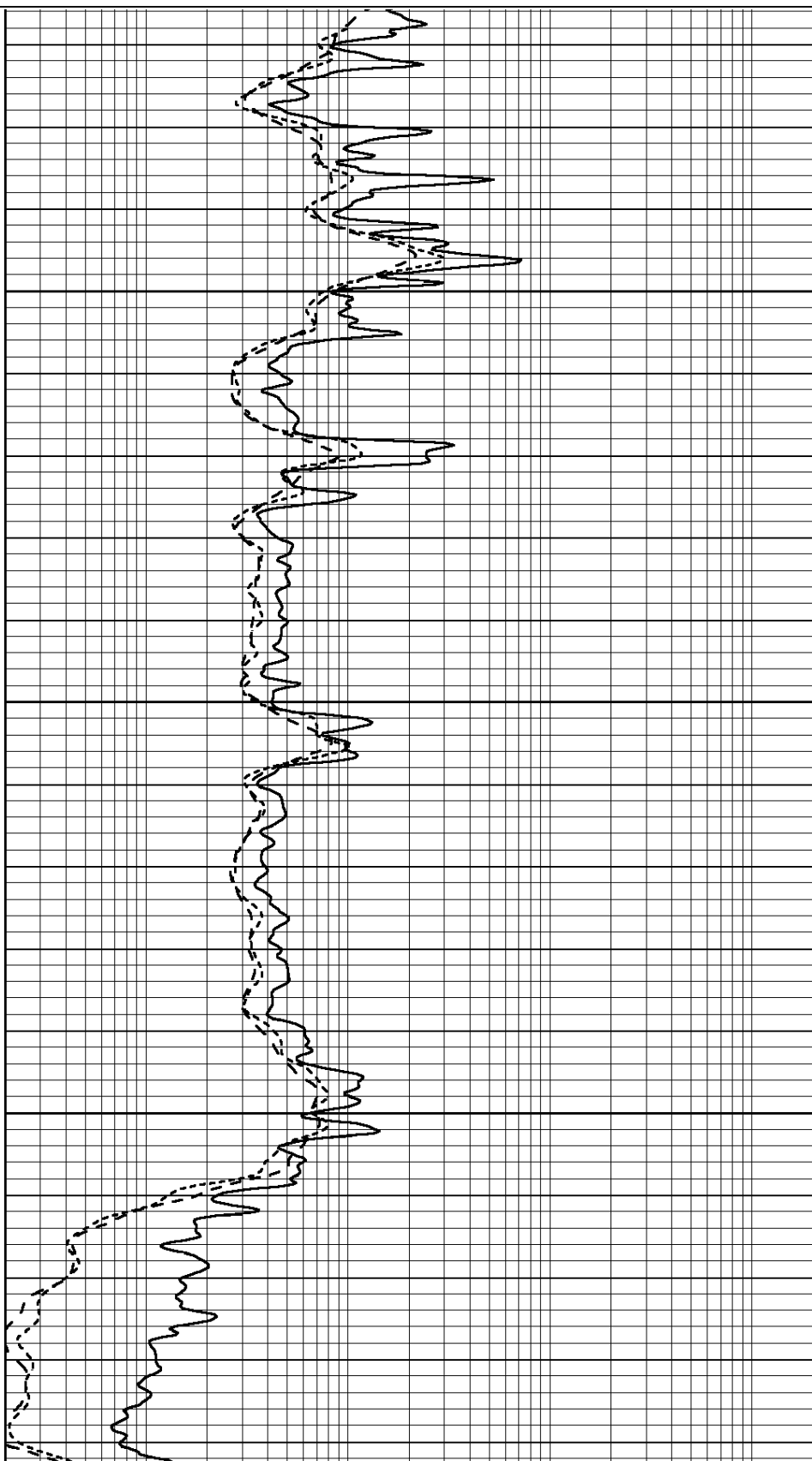
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000

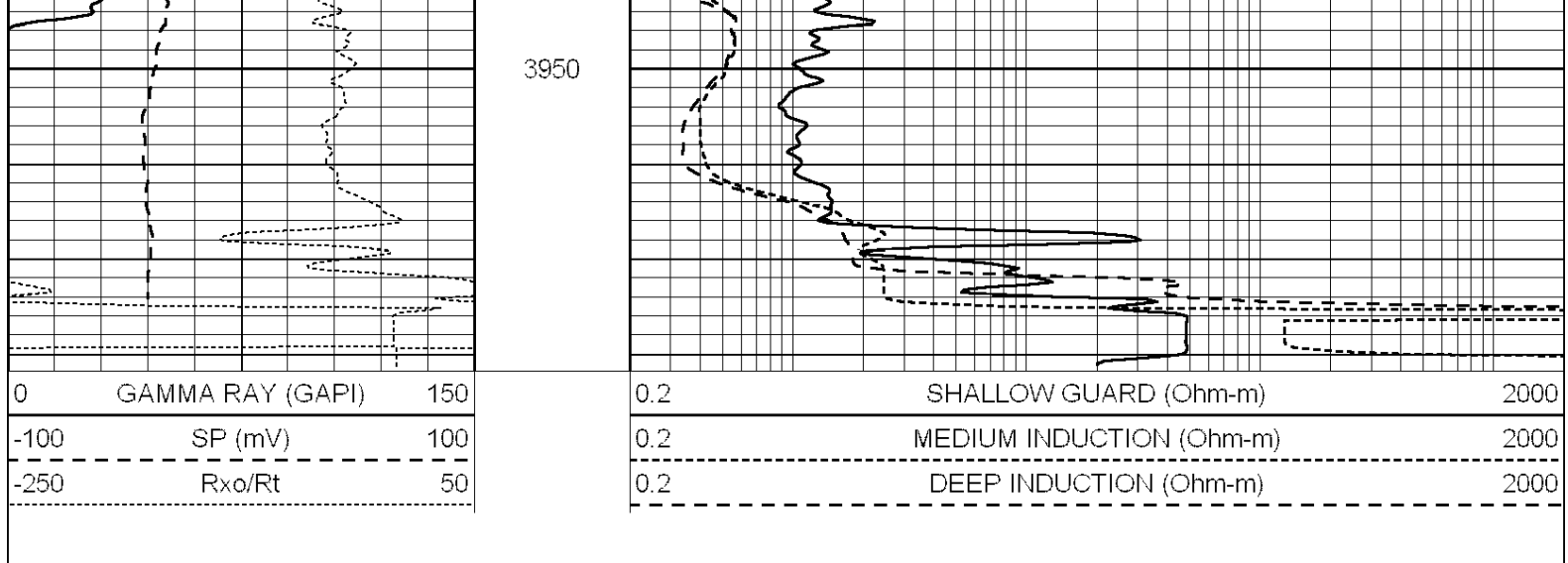


3800

3850

3900





Calibration Report

Database File: 008095ddn.db
Dataset Pathname: pass2.1
Dataset Creation: Sat Dec 03 12:06:32 2011 by Calc Open-Cased 090629

Dual Induction Calibration Report

Serial-Model: PROBE7-DILG
Surface Cal Performed: Wed Jul 30 06:14:24 2008
Downhole Cal Performed: Mon Jul 28 12:02:56 2008
After Survey Verification Performed: Mon Jul 28 12:02:56 2008

Surface Calibration

Readings				References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	-0.014	0.629	V	0.000	400.000	mmho/m	621.923	8.759
Medium	0.039	0.728	V	0.000	464.000	mmho/m	673.322	-26.058
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.011	0.610	V	0.000	400.000	mmho/m	667.135	-7.256
Medium	0.005	0.712	V	0.000	464.000	mmho/m	655.677	-3.102

Downhole Calibration

Readings				References			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	14.508	388.384	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	166.367	504.400	mmho/m	1.000	0.000
LL3		7.500	V		1400.000	Ohm-m		
		0.000	V		20.000	Ohm-m		
		-7.200	V		4000.000	mmho-m		

After Survey Verification

Readings				Targets			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000
Medium	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000
LL3		1.000	Ohm-m		1.000	Ohm-m		
		0.000	Ohm-m		0.000	Ohm-m		
		1.000	mmho-m		1.000	mmho-m		

Compensated Density Calibration Report

Serial-Model:
Source / Verifier:
Master Calibration Performed:

GEAR4-GEARHART
143 / 143
Sat Jul 16 17:35:04 2011

Master Calibration

	Density		Far Detector		Near Detector	
Magnesium	1.710	g/cc	1015.91		497.51	cps
Aluminum	2.580	g/cc	227.67		350.20	cps
Spine Angle = 76.79			Density/Spine Ratio = 0.566			
	Size		Reading			
Small Ring	8.00	in	2.24		V	
Large Ring	14.00	in	4.38		V	

Compensated Neutron Calibration Report

Serial Number: 6I
Tool Model: G

CALIBRATION

Detector	Readings		Target		Normalization
Short Space	1.00	cps	1.00	cps	1.0000
Long Space	1.00	cps	1.00	cps	1.0000

Gamma Ray Calibration Report

Serial Number: #8
Tool Model: OPEN
Performed: Mon Jun 13 16:56:43 2011

Calibrator Value: 150.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 175.0 cps

Sensitivity: 0.8371 GAPI/cps