



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

**DUAL
INDUCTION
LOG**

Company		PFEIFER EXPLORATIONS, LLC.	
Well		K TRUAN #4-2	
Field		WILDCAT	
County		RUSSELL	
State		KANSAS	
Company		PFEIFER EXPLORATIONS, LLC.	
Well		K TRUAN #4-2	
Field		WILDCAT	
County		RUSSELL	
State		KANSAS	
Location:		API # : 15-167-23822-0000 1325' FSL & 1540' FWL	
Permanent Datum		GROUND LEVEL	
Log Measured From		Elevation KELLY BUSHING 7' A.G.L. 1835.5	
Drilling Measured From		Elevation KELLY BUSHING G.L. 1835.5	
SEC 4		TWP 15S RGE 15W	
Date		10/6/12	
Run Number		ONE	
Depth Driller		3410	
Depth Logger		3407	
Bottom Logged Interval		3405	
Top Log Interval		00	
Casing Driller		8 5/8" @ 224	
Casing Logger		224	
Bit Size		7 7/8	
Type Fluid in Hole		CHEMICAL MUD	
Density / Viscosity		9.0/69	
pH / Fluid Loss		10.0/10.8	
Source of Sample		FLOWLINE	
Rim @ Meas. Temp		.42 @ 66F	
Rinf @ Meas. Temp		.31 @ 66F	
Rmc @ Meas. Temp		.49 @ 66F	
Source of Rmf / Rmc		MEASURED	
Rim @ BHT		.25 @ 110F	
Time Circulation Stopped		2 HOURS	
Time Logger on Bottom			
Maximum Recorded Temperature		110F	
Equipment Number		680	
Location		HAYS, KS.	
Recorded By		JASON CAPPELLUCCI	
Witnessed By		JAY PFEIFER	

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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
GORHAM, KS. - S. TO END OF BLKTOP - 1 E. - 1 S. - 1/4 E. - N. INTO



NABORS

**COMPLETION
& PRODUCTION**

MAIN SECTION

Database File:

009743ddn.db

Dataset Pathname:

pass3.2

Presentation Format:

_dil2

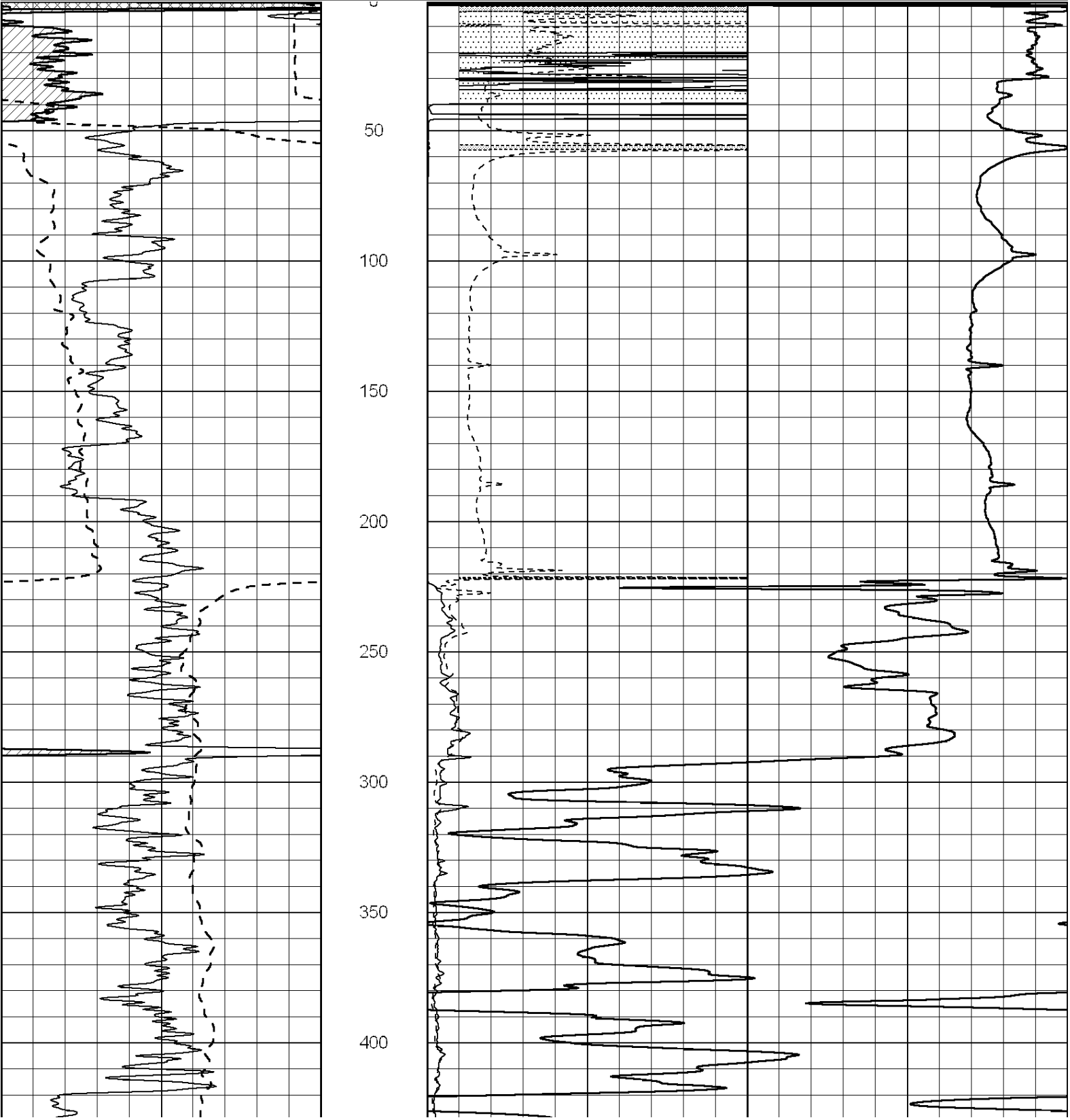
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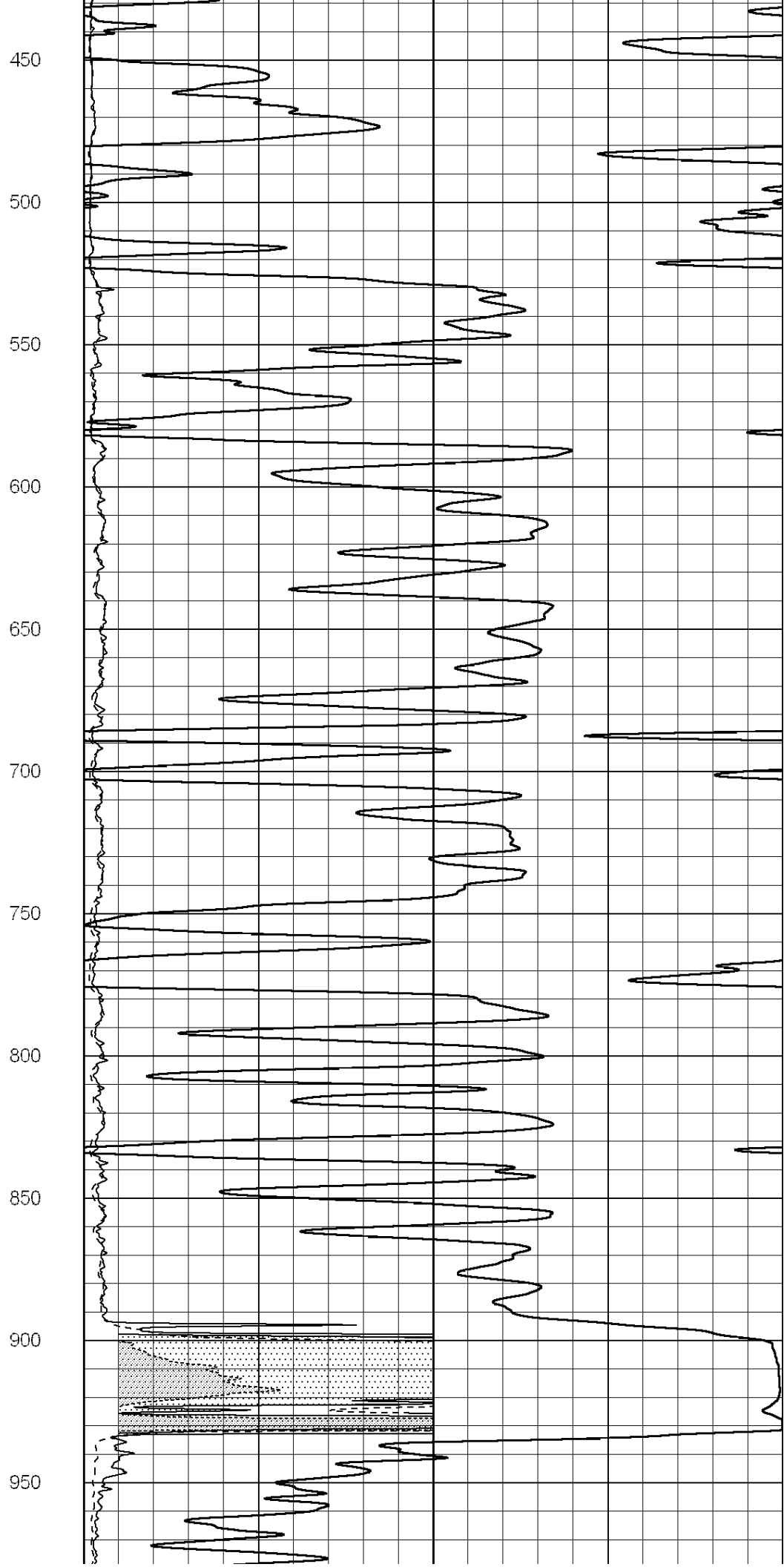
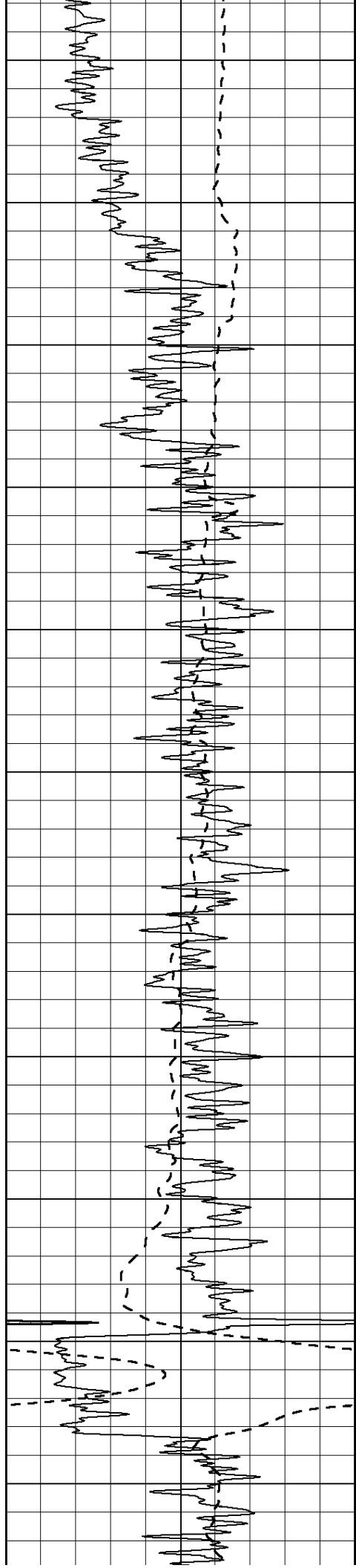
Sat Oct 06 02:44:05 2012 by Calc Open-Cased 090629

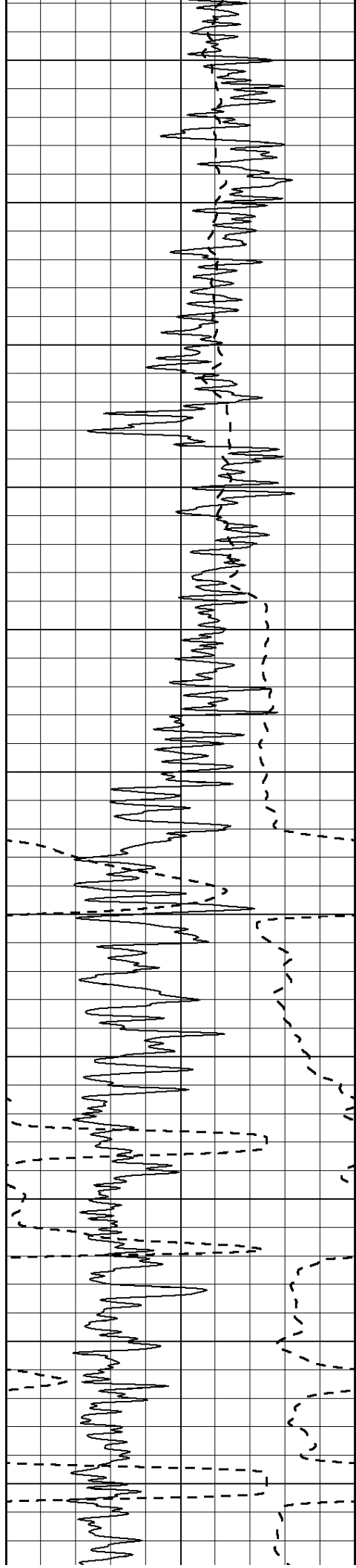
Charted by:

Depth in Feet scaled 1:600

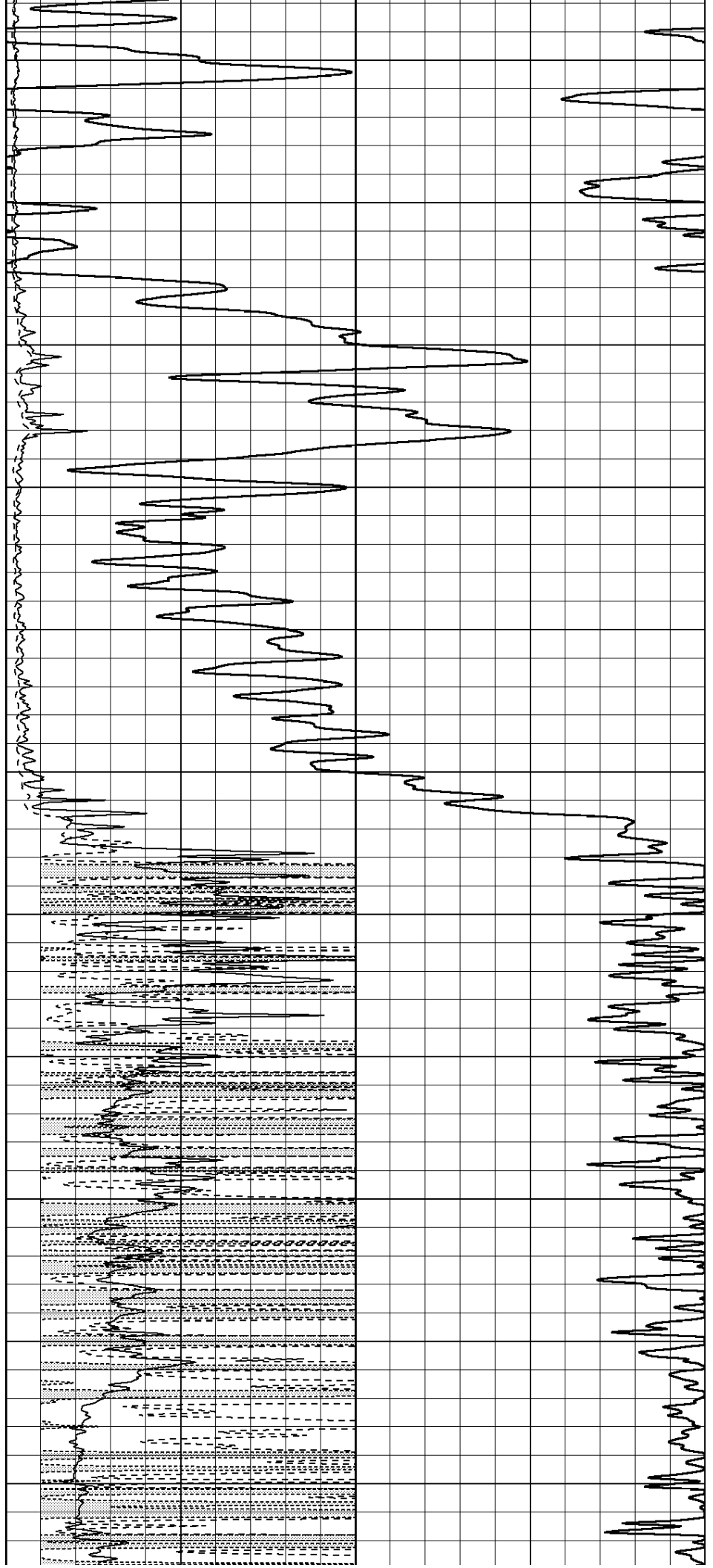
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-100	SP (mV)	100	0	Deep Induction (Ohm-m)	50
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			50	RILD X10 (Ohm-m)	500
			50	RLL3 X10 (Ohm-m)	500

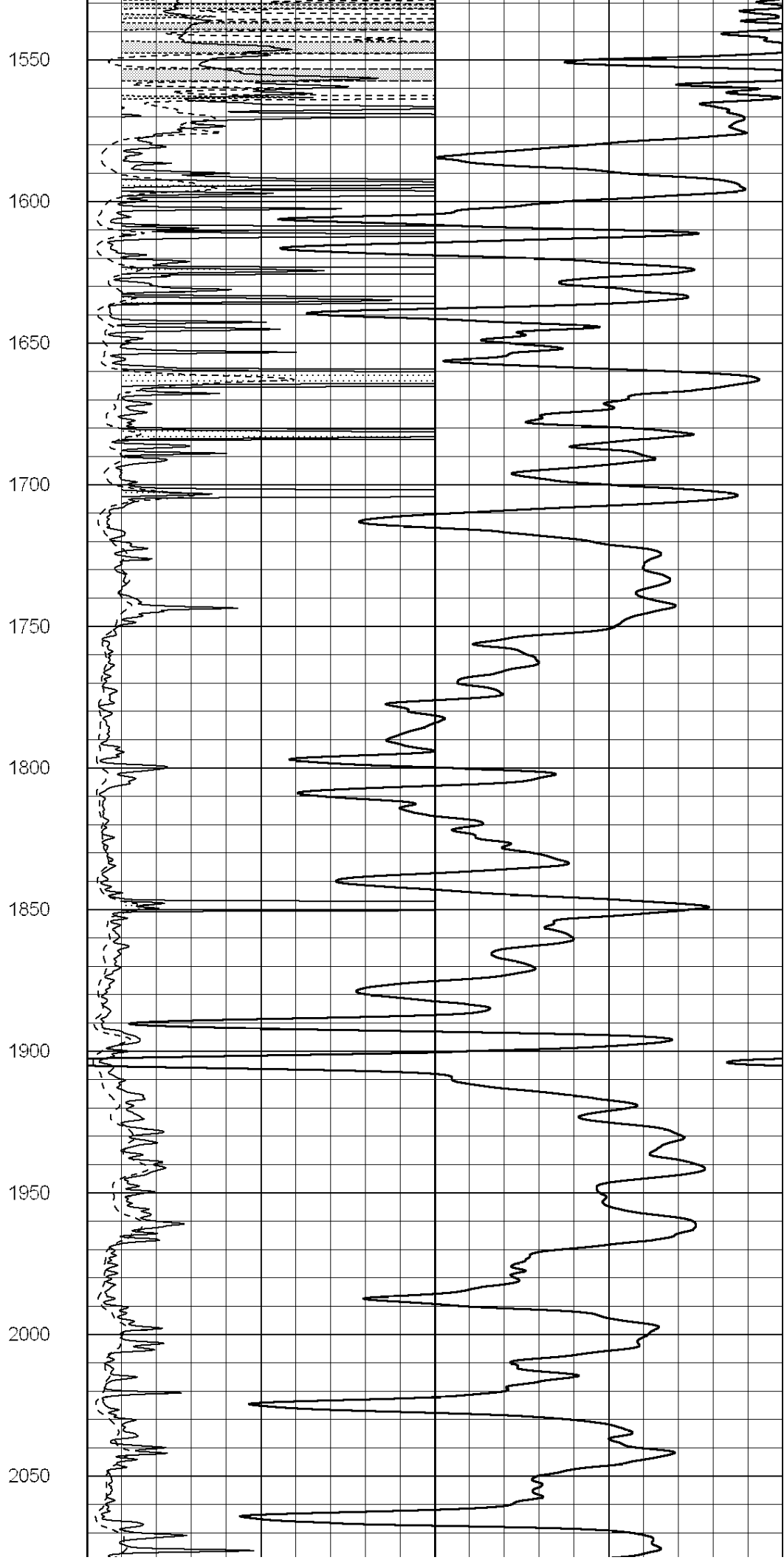
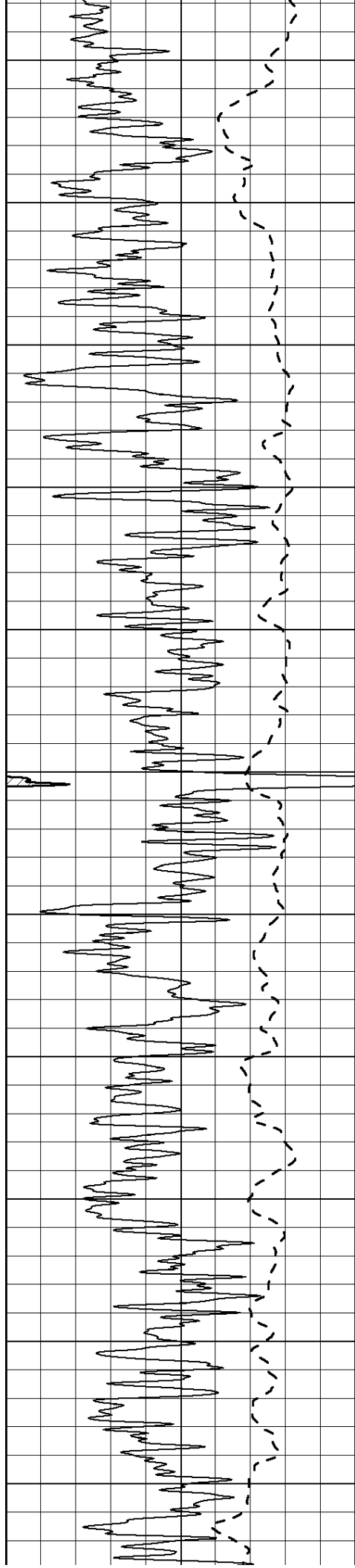


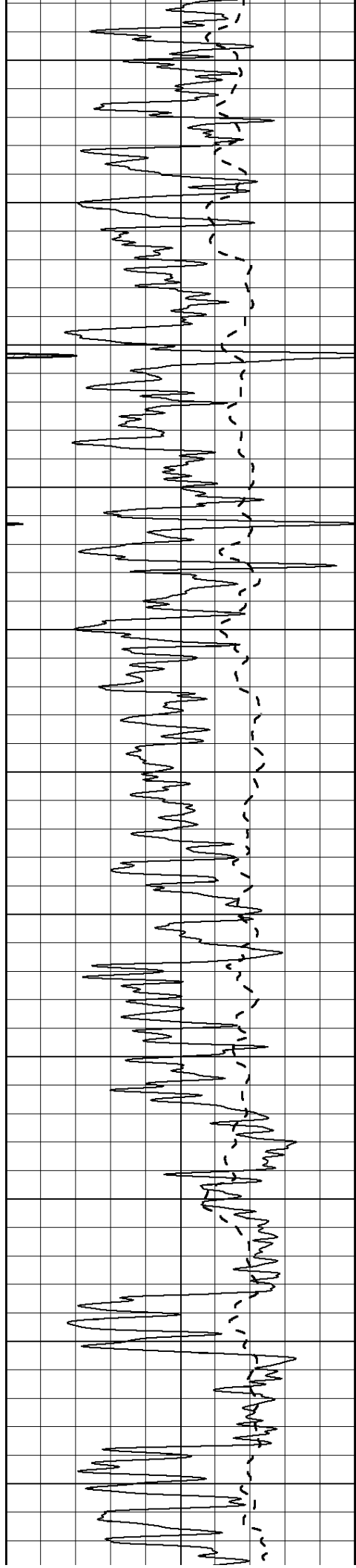




1000
1050
1100
1150
1200
1250
1300
1350
1400
1450
1500







2100

2150

2200

2250

2300

2350

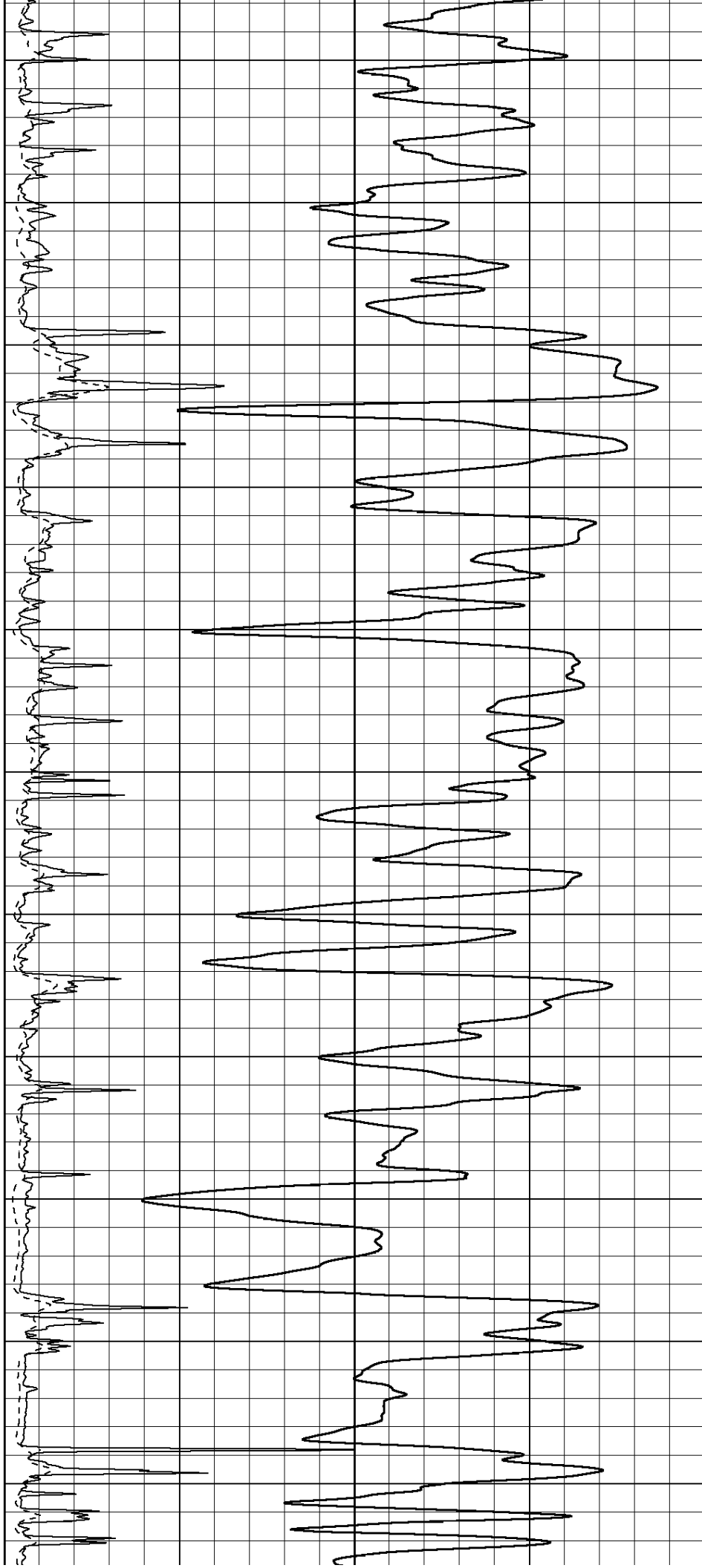
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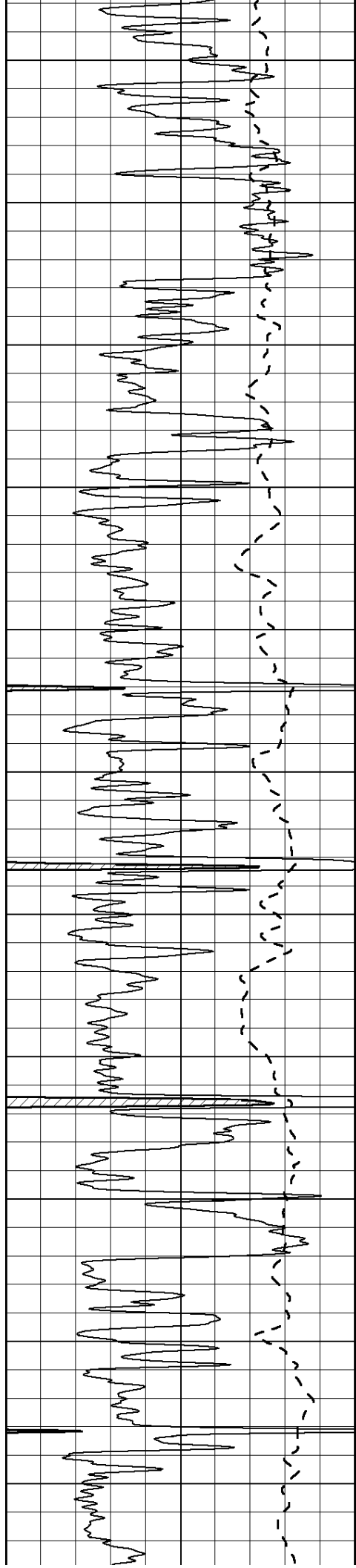
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2500

2550

2600





2650

2700

2750

2800

2850

2900

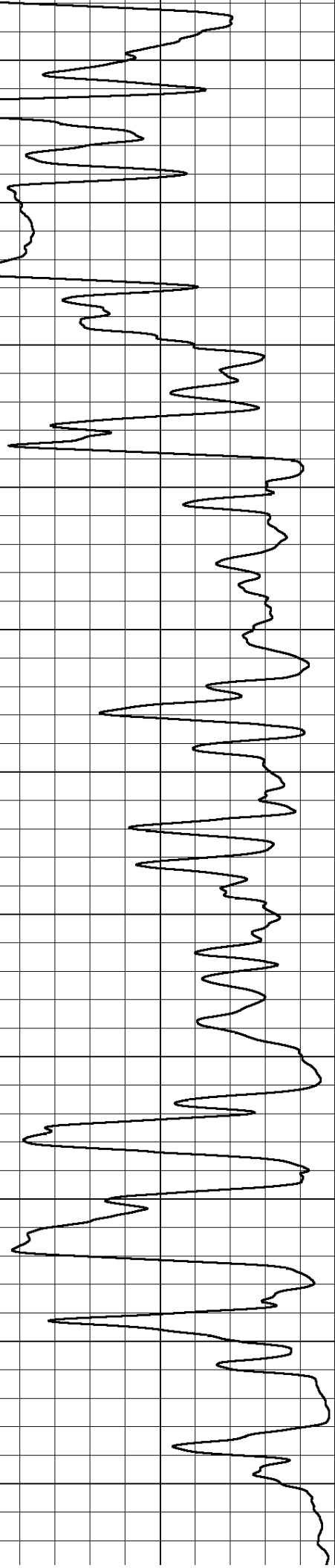
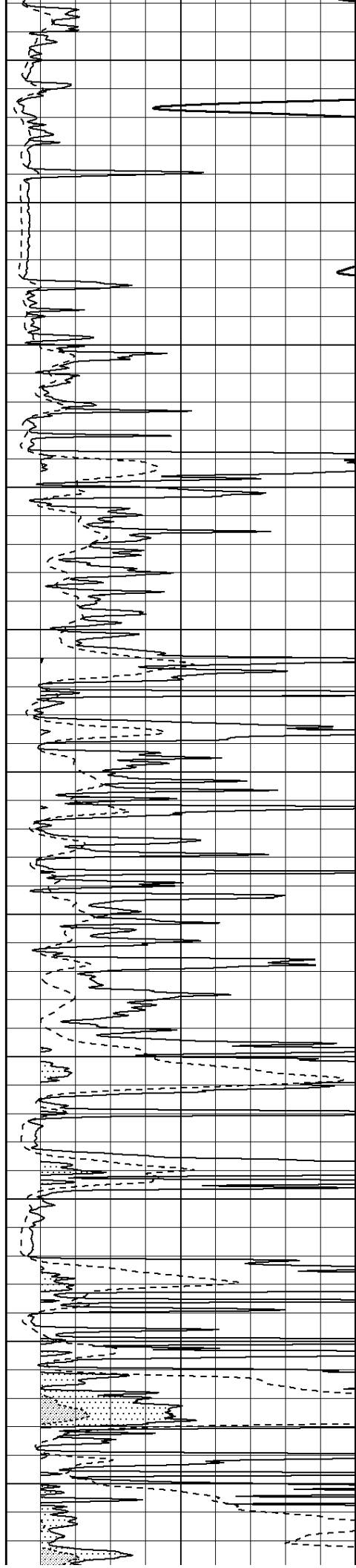
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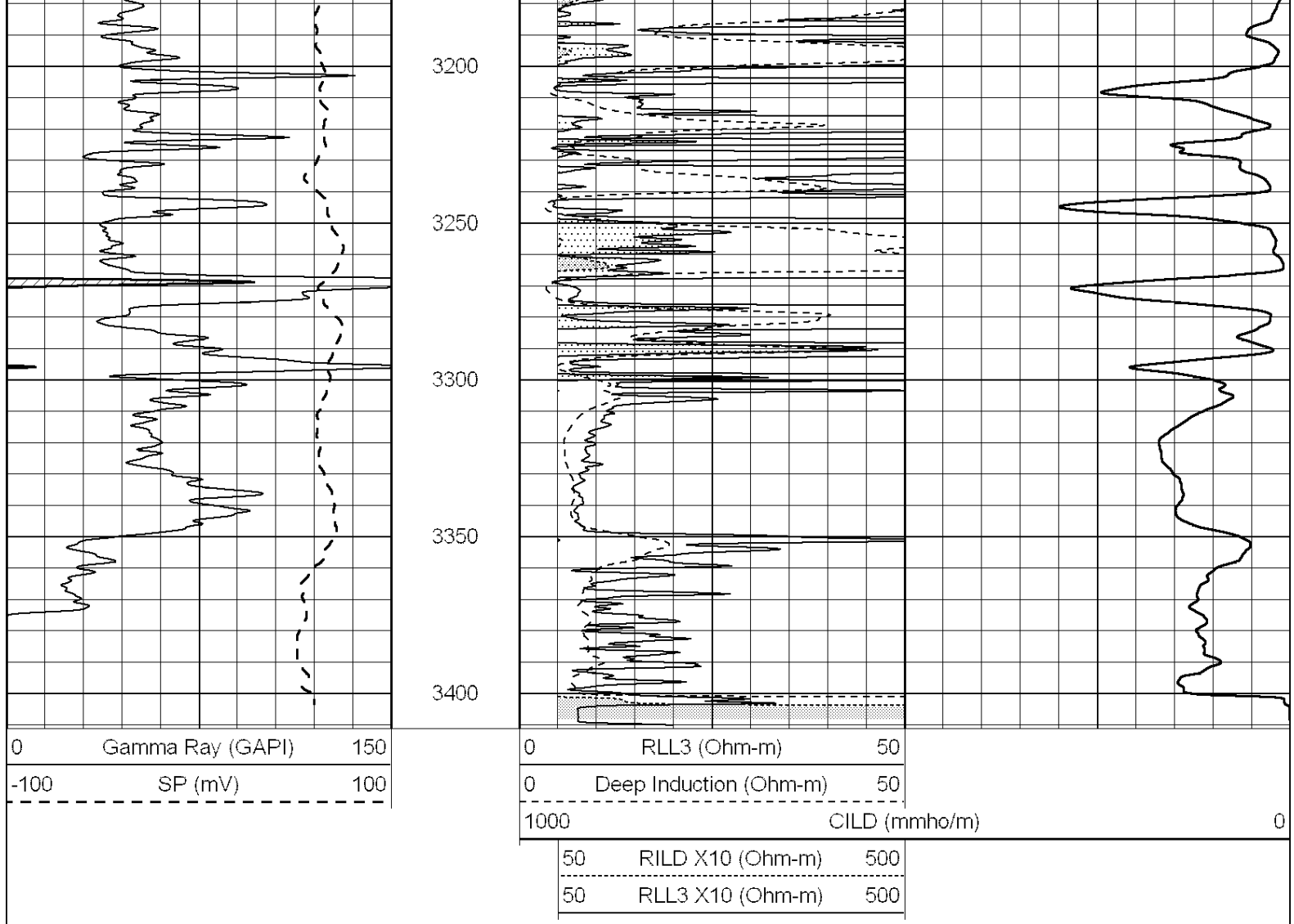
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3050

3100

3150



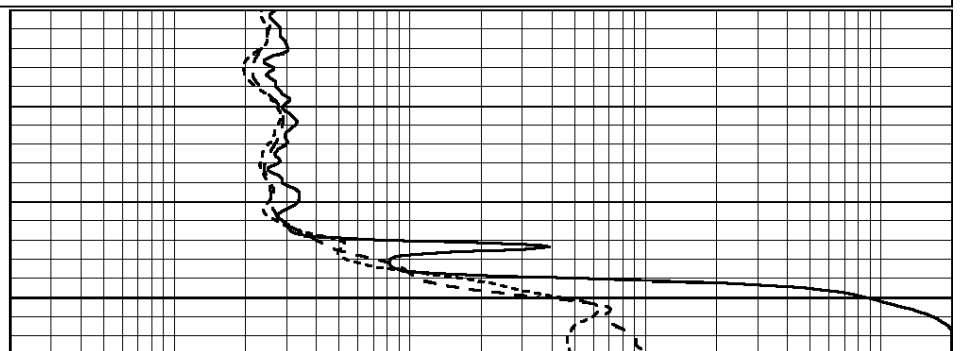
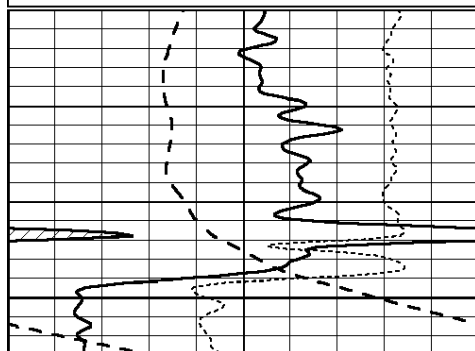


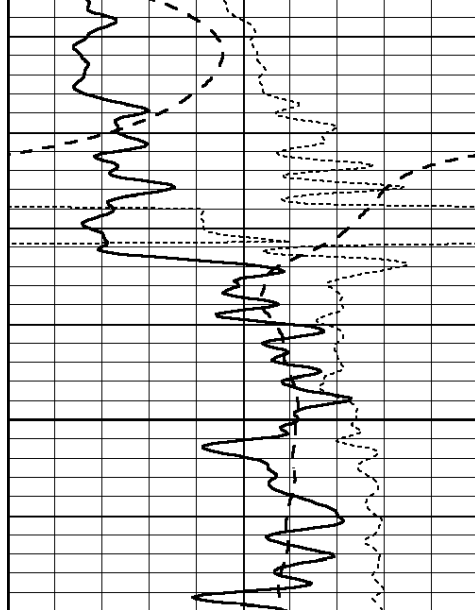
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ANHYDRITE

Database File: 009743ddn.db
Dataset Pathname: pass3.3
Presentation Format: _dil
Dataset Creation: Sat Oct 06 02:00:54 2012 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

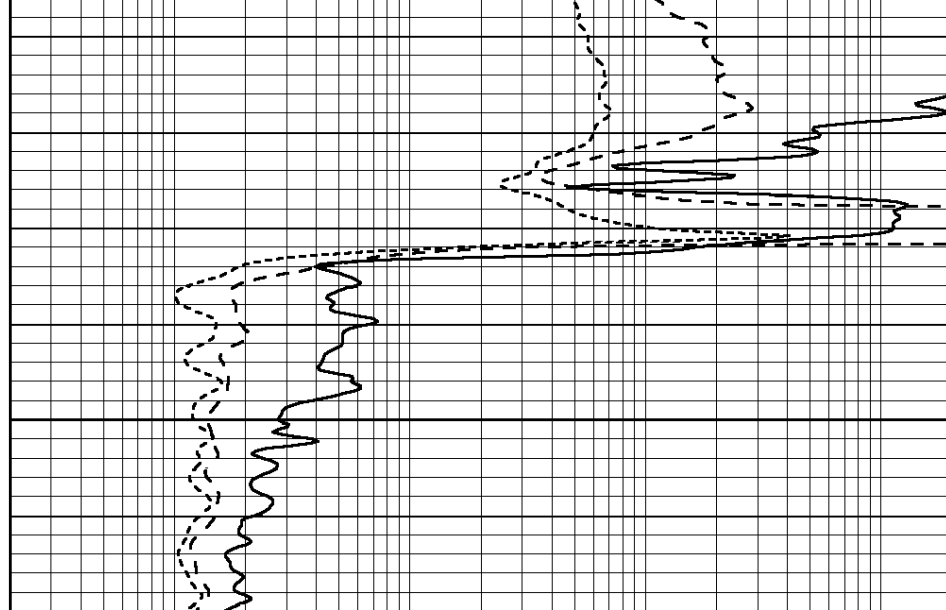
0	GAMMA RAY (GAPI)	150	0.2	SHALLOW GUARD (Ohm-m)	2000
-100	SP (mV)	100	0.2	MEDIUM INDUCTION (Ohm-m)	2000
-250	Rxo/Rt	50	0.2	DEEP INDUCTION (Ohm-m)	2000





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

950



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

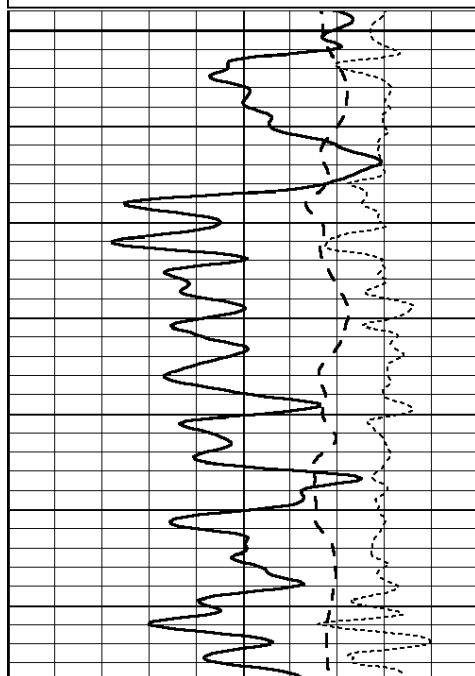


MAIN SECTION

Database File: 009743ddn.db
Dataset Pathname: pass3.1
Presentation Format: _dil
Dataset Creation: Sat Oct 06 01:45:42 2012 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

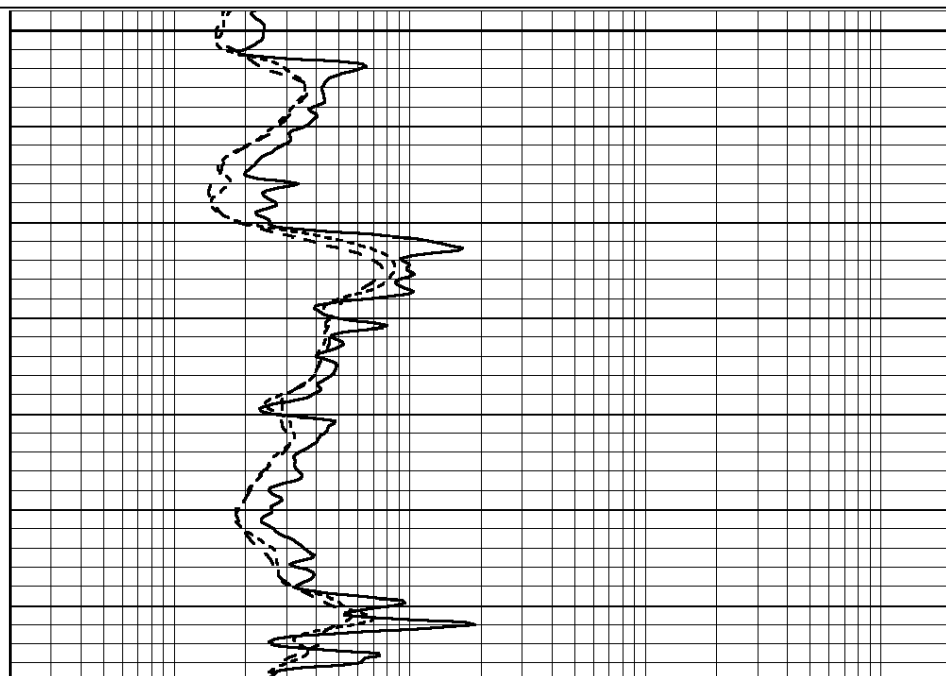
0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50

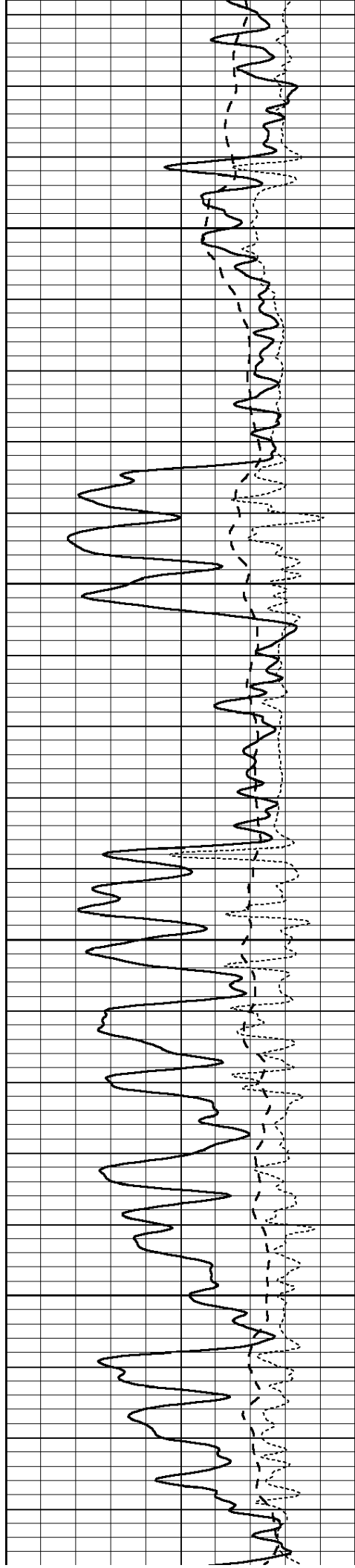
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000



2400

2450



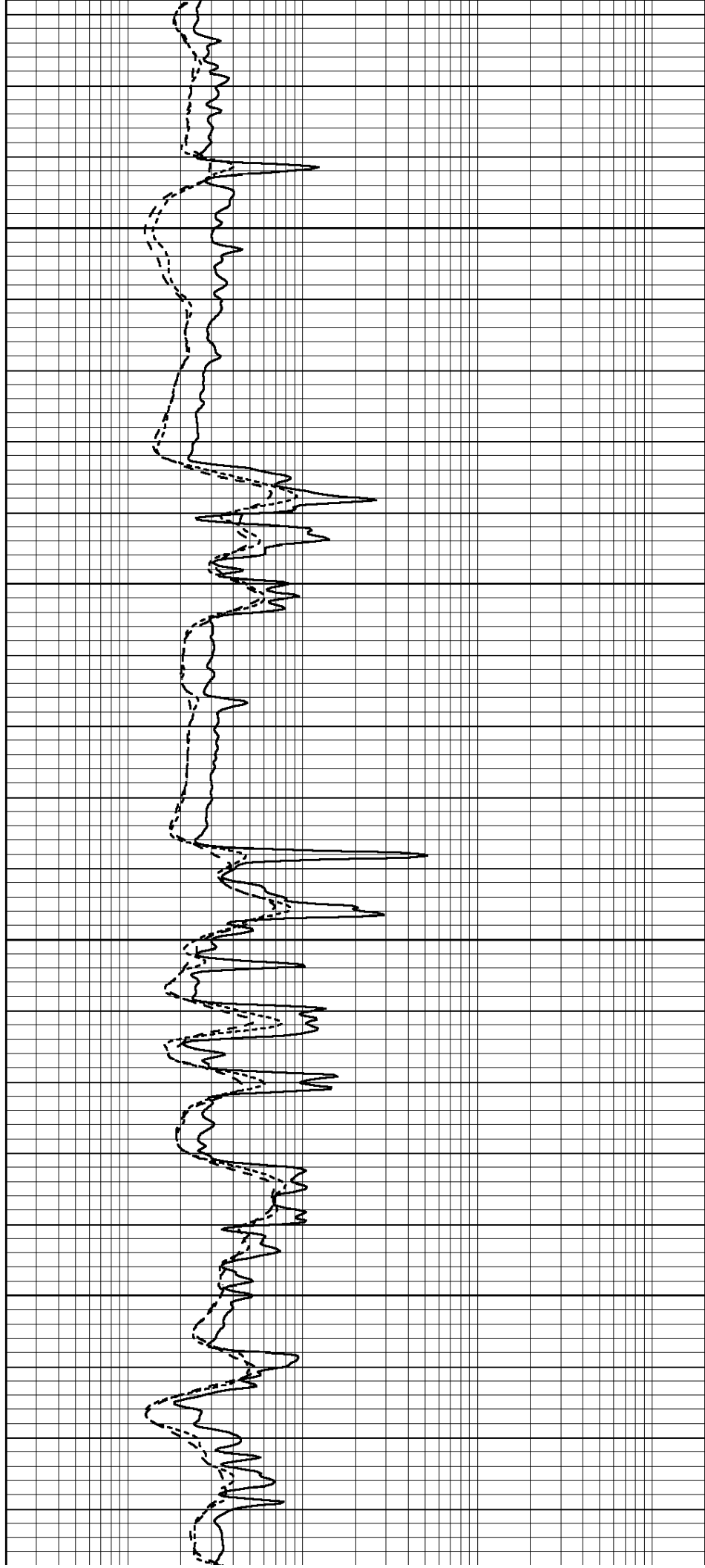


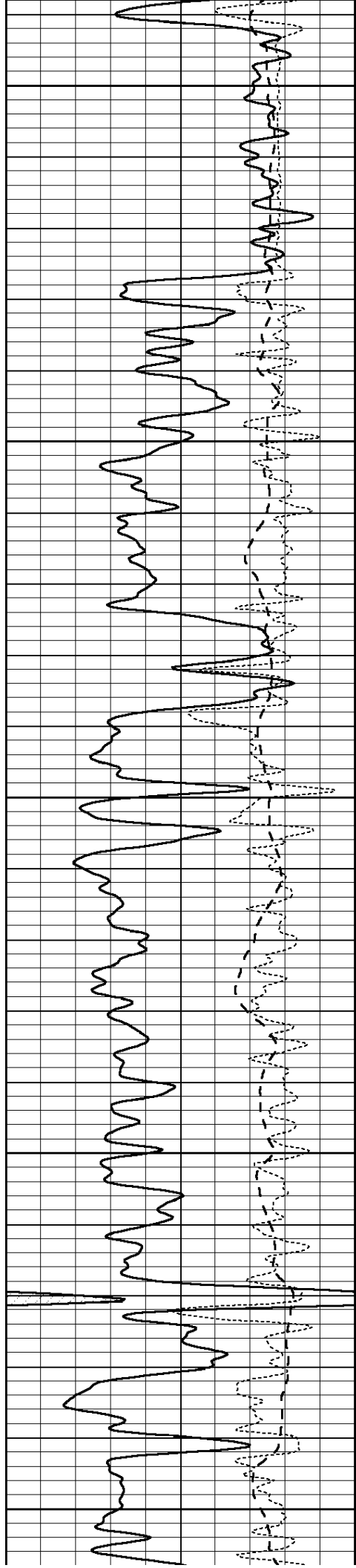
2500

2550

2600

2650





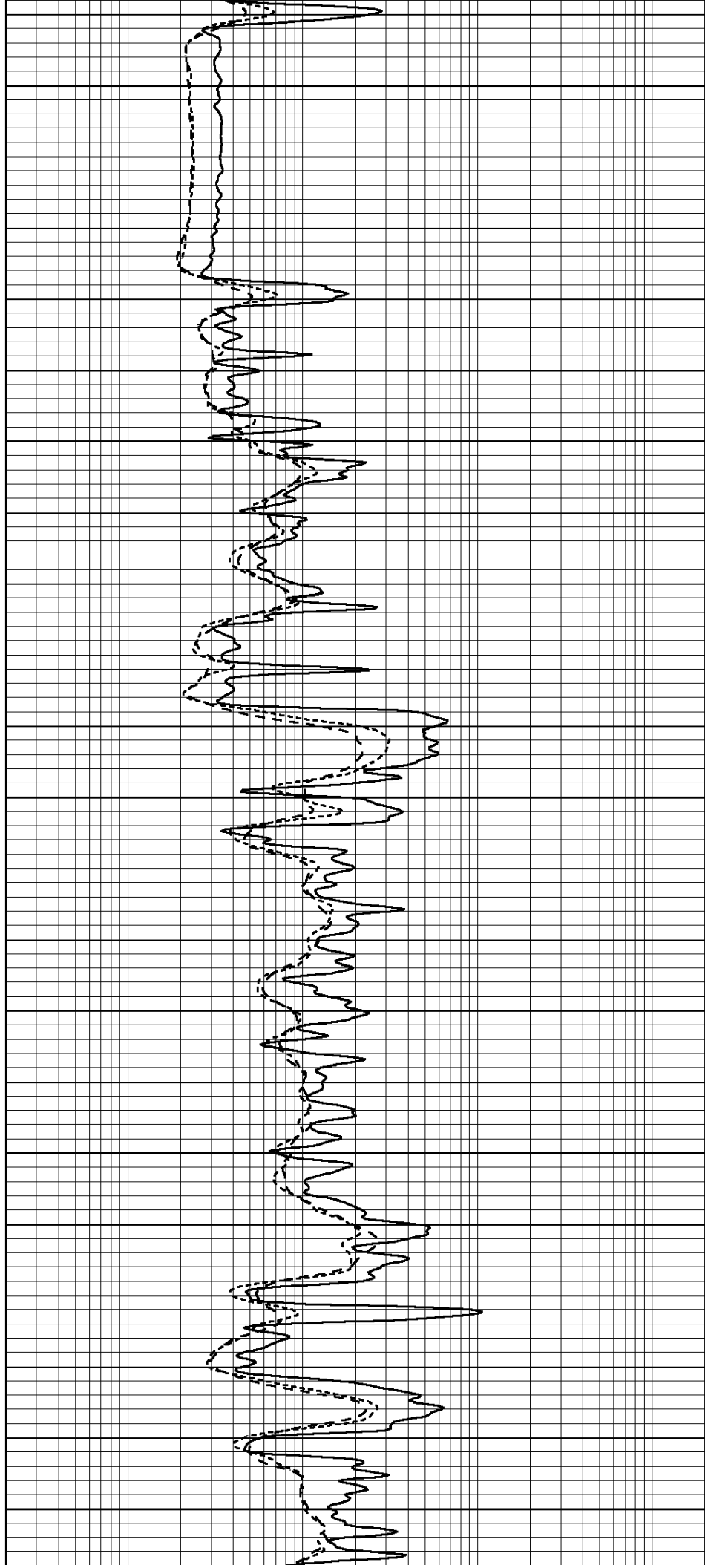
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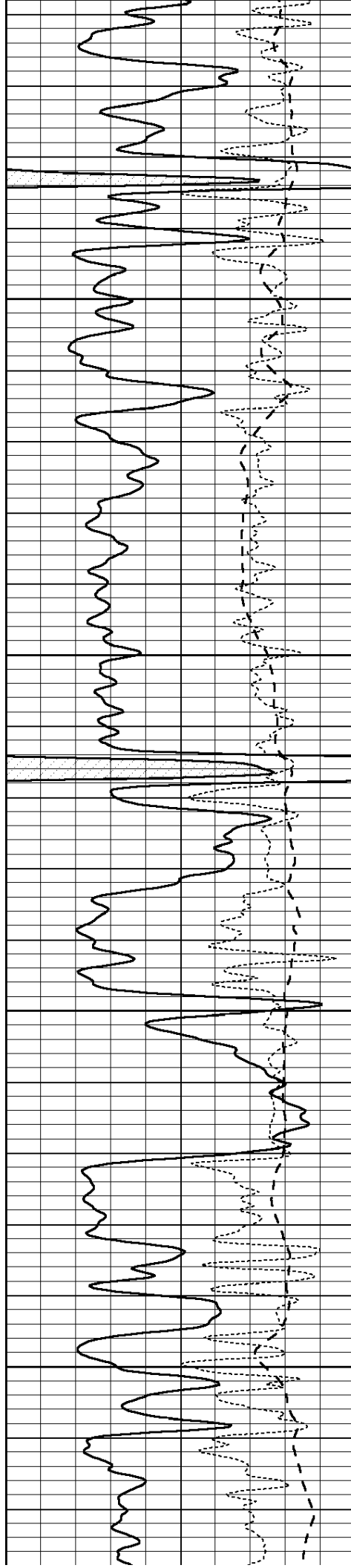
2750

2800

2850

2900



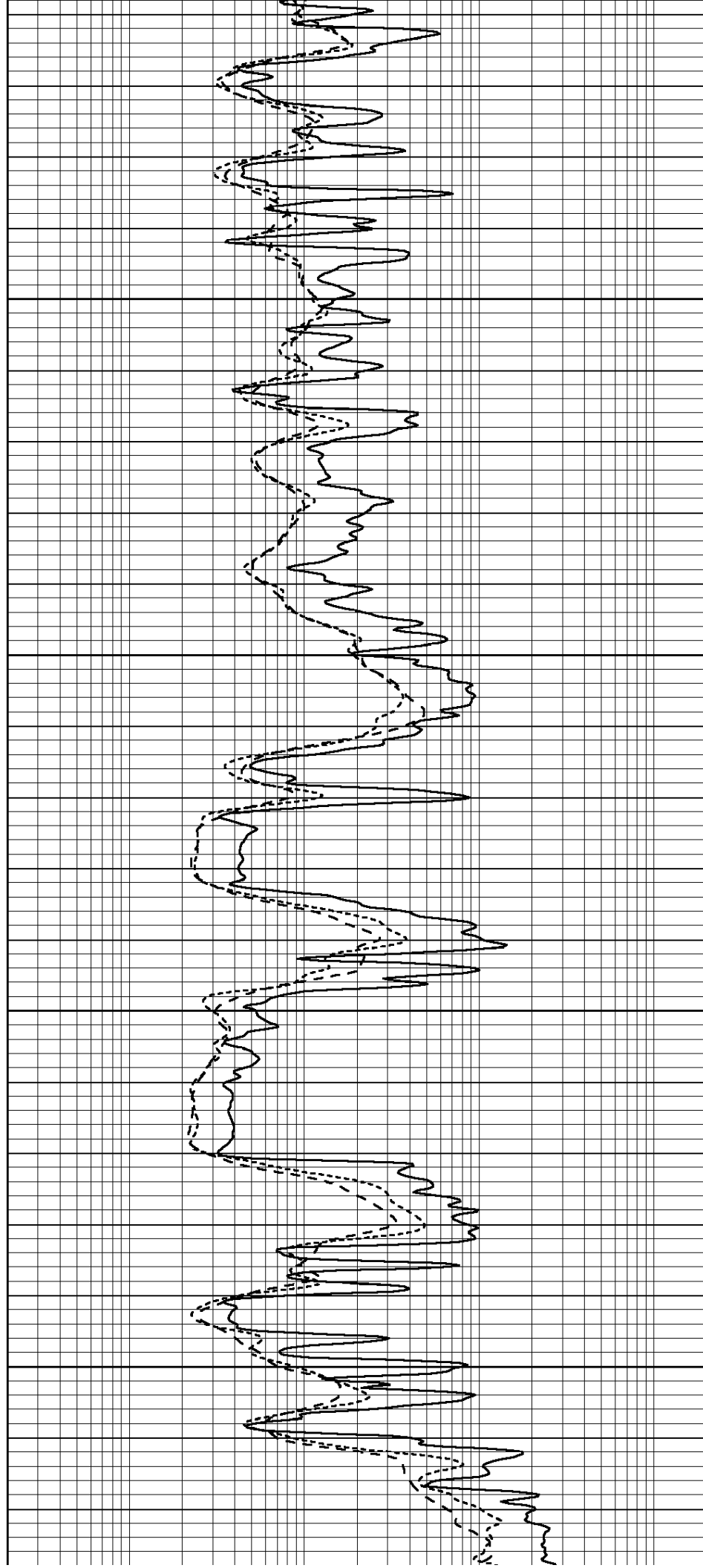


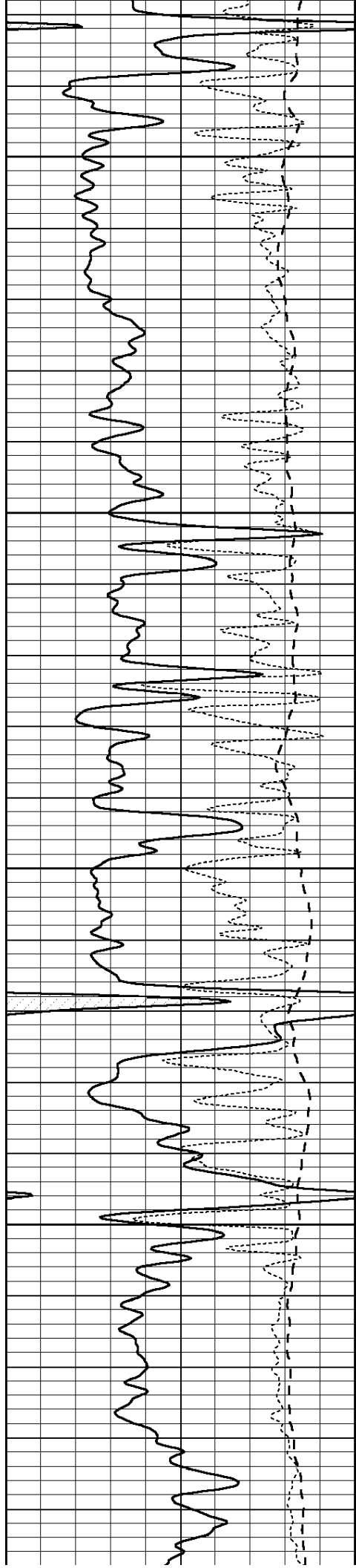
2950

3000

3050

3100



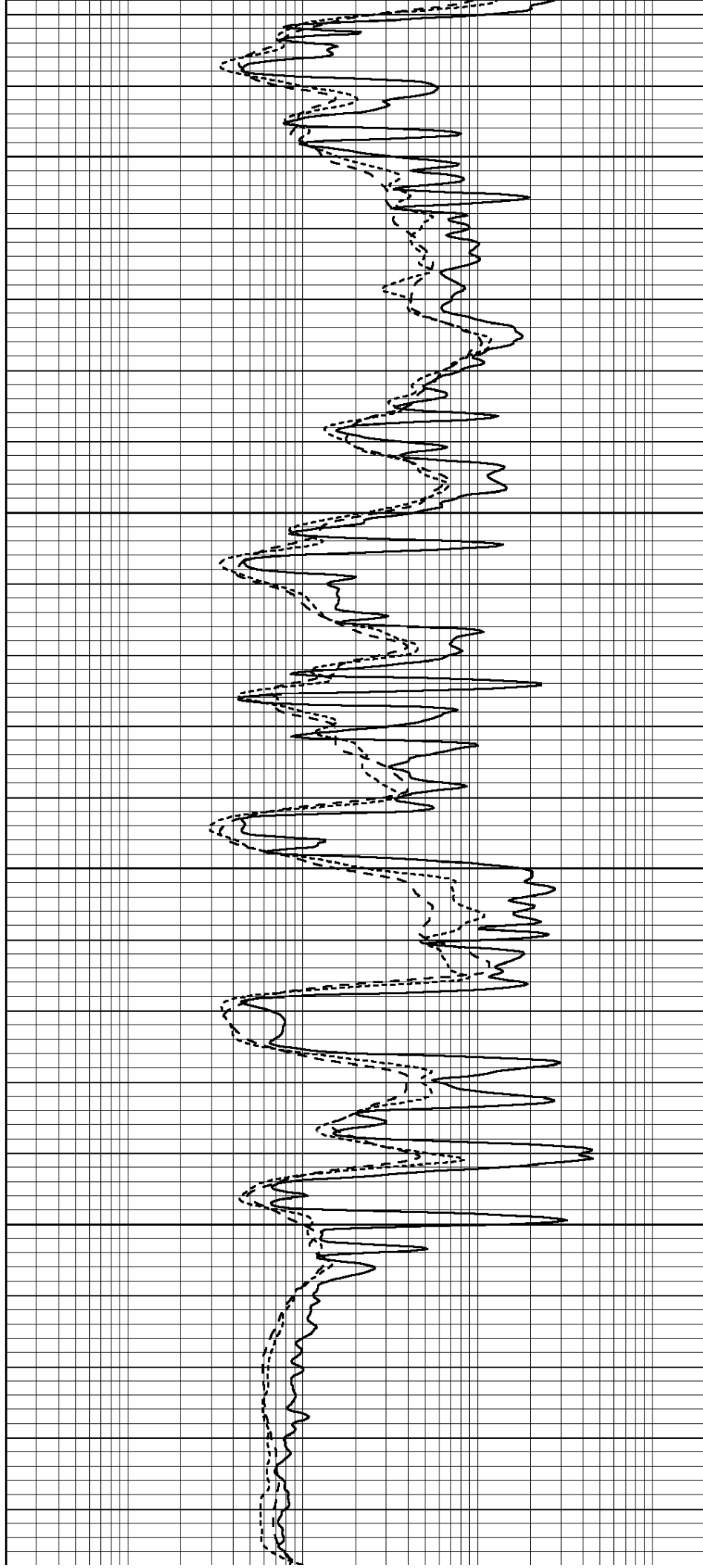


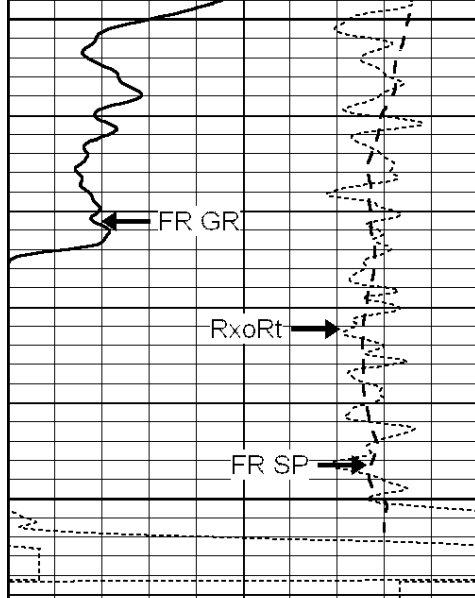
3150

3200

3250

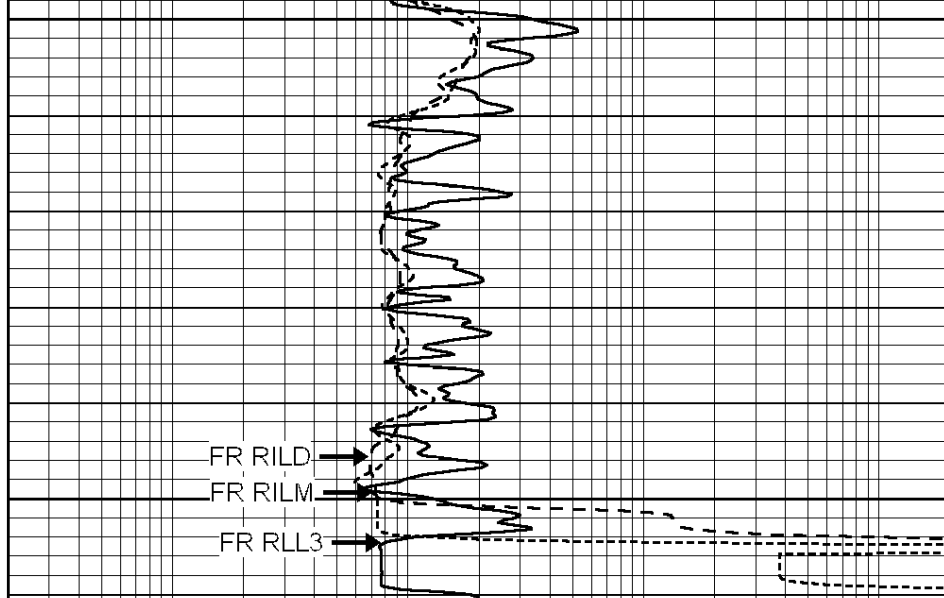
3300





3350
3400
LTD 3407

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

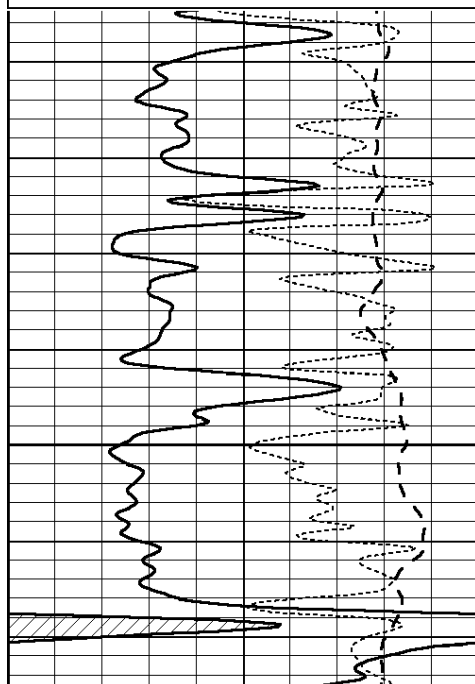


REPEAT SECTION

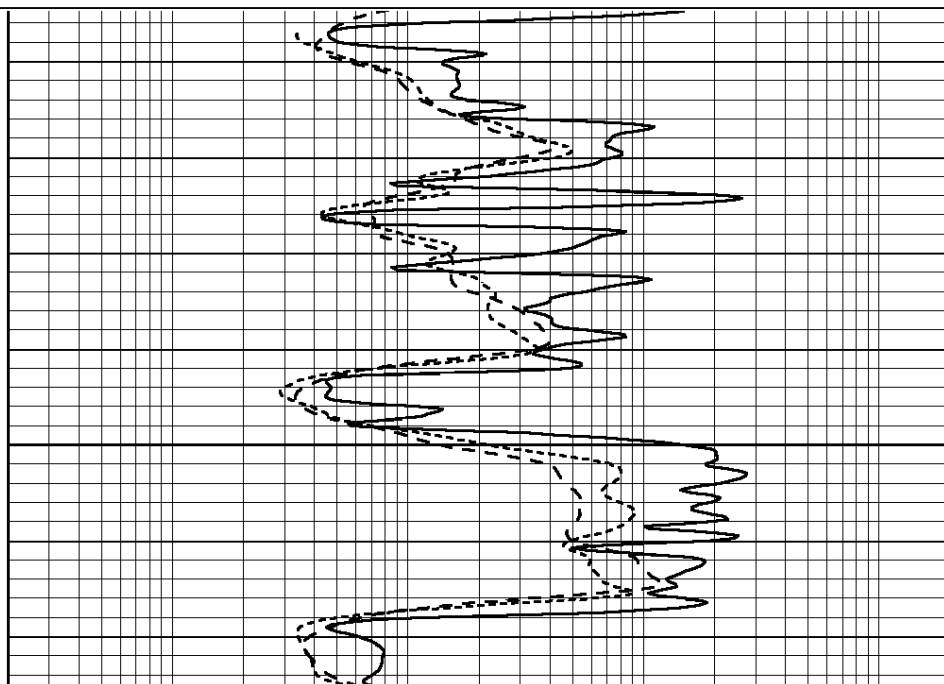
Database File: 009743ddn.db
Dataset Pathname: pass2.3
Presentation Format: _dil
Dataset Creation: Sat Oct 06 01:57:26 2012 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

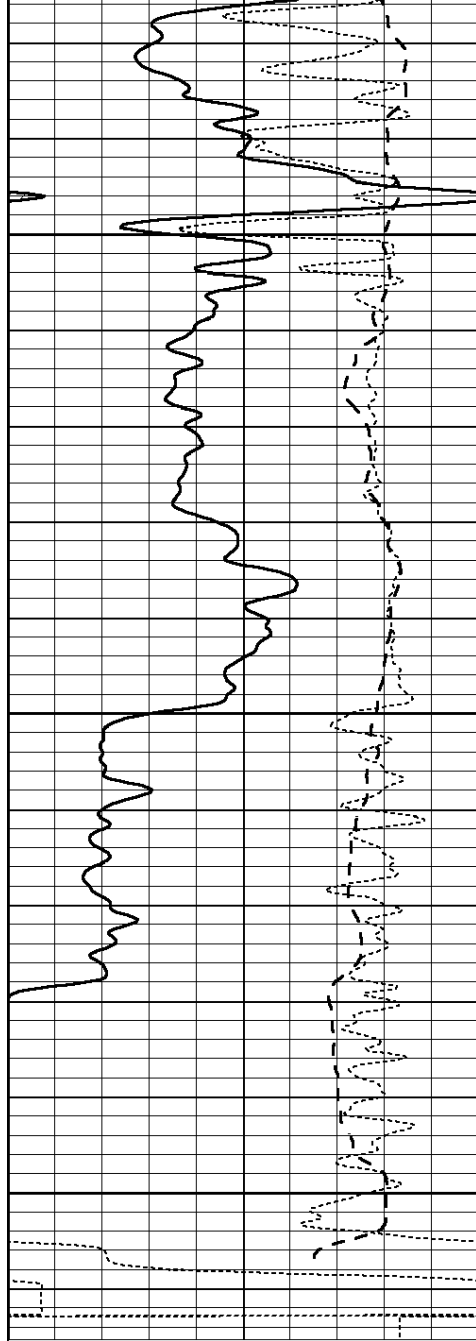
0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50

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



3250



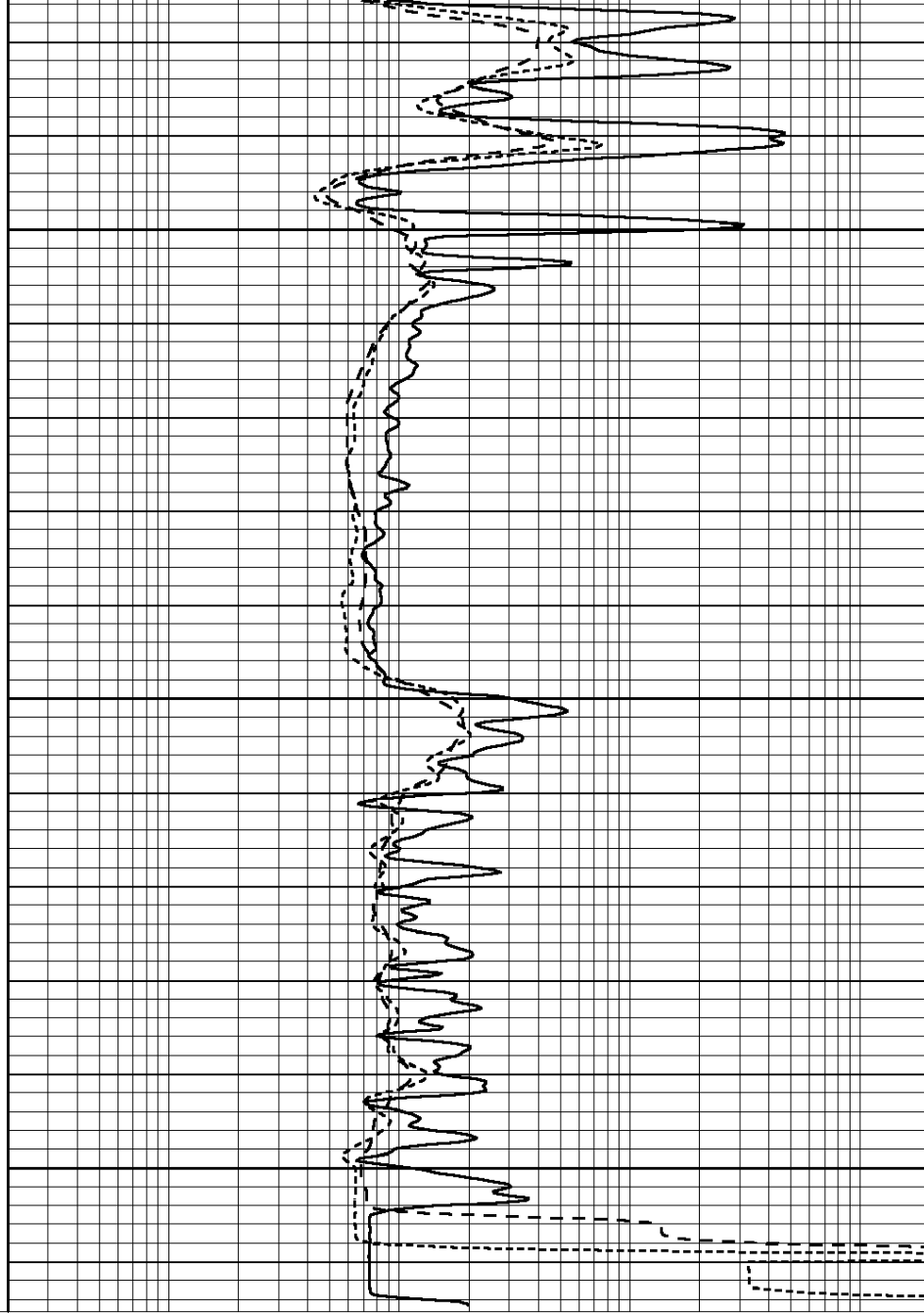


0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50

3300

3350

3400



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