



SUPERIOR
Hays,
Kansas

DUAL
INDUCTION
LOG

Company PELICAN HILL OIL & GAS, INC.
Well NELSON # 8-16
Field WILDCAT
County TREGO State KANSAS

Location: API #: 15-195-22804-00-00

897' FNL & 410' FWL

SEC 16 TWP 11S RGE 21W

Permanent Datum GROUND LEVEL Elevation 2147
Log Measured From KELLY BUSHING 9' A.G.L.
Drilling Measured From KELLY BUSHING

Other Services
CDL/CNL/MEL
SON/FRAC
Elevation
K.B. 2156
D.F. 2154
G.L. 2147

Date	9/2/12		
Run Number	ONE		
Depth Driller	3870		
Depth Logger	3869		
Bottom Logged Interval	3844		
Top Log Interval	0		
Casing Driller	255		
Casing Logger	262		
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.5 / 52	CHLORIDES 1,700 PPM	
pH / Fluid Loss	10.5 / 7.2		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	0.60 @ 86F		
Rmf @ Meas. Temp	0.45 @ 86F		
Rmc @ Meas. Temp	0.72 @ 86F		
Source of Rmf / Rmc	MEASURED		
Rim @ BHT	0.45 @ 115F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	115F		
Equipment Number	860		
Location	HAYS, KS.		
Recorded By	IAN MABB	JEFF GRONEWEG	
Witnessed By	MARC DOWNING		

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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 SERVICES
785-628-6395
I-70 & RIGA RD, N 9 MILES W INTO ON C RD, SW THROUGH GATE

0 Gamma Ray (GAPI) 150

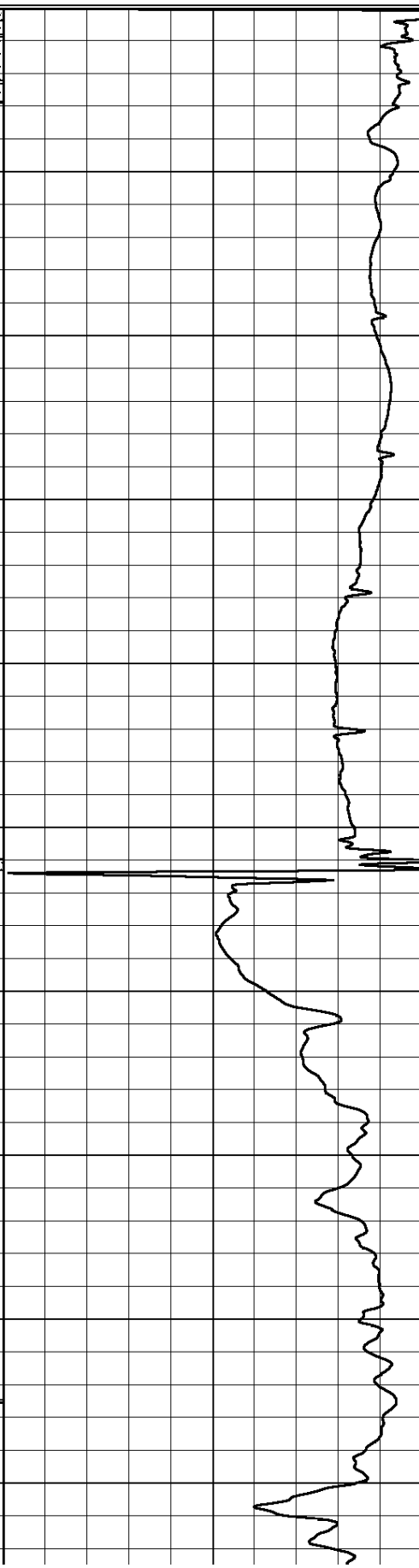
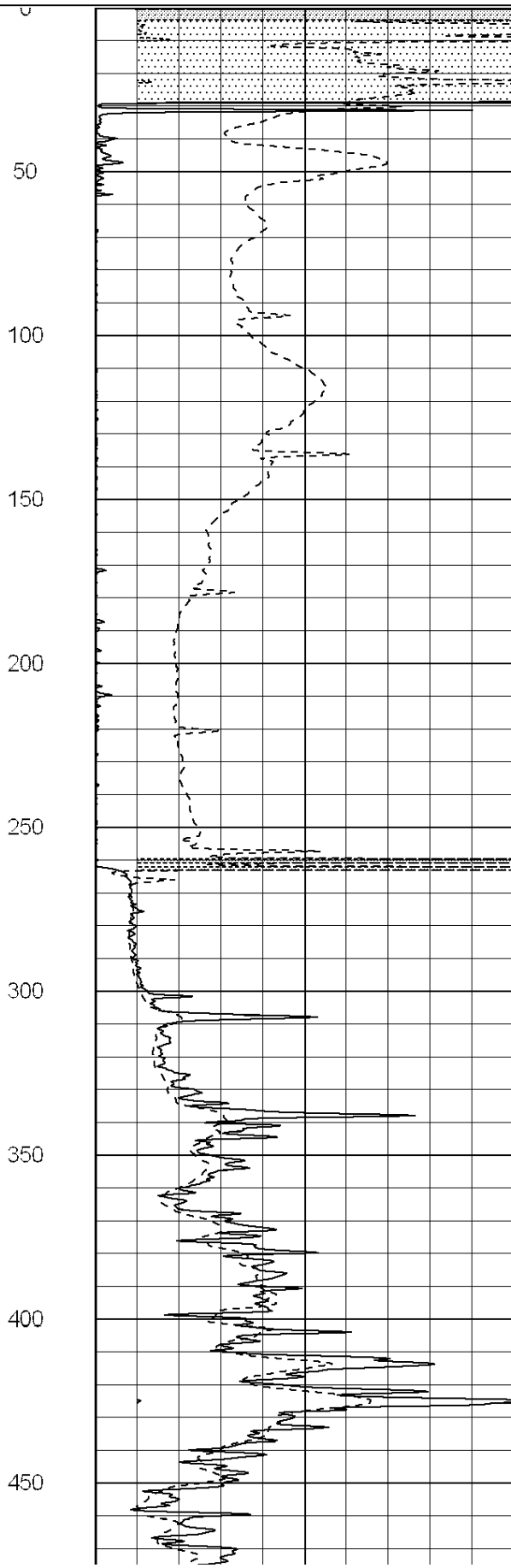
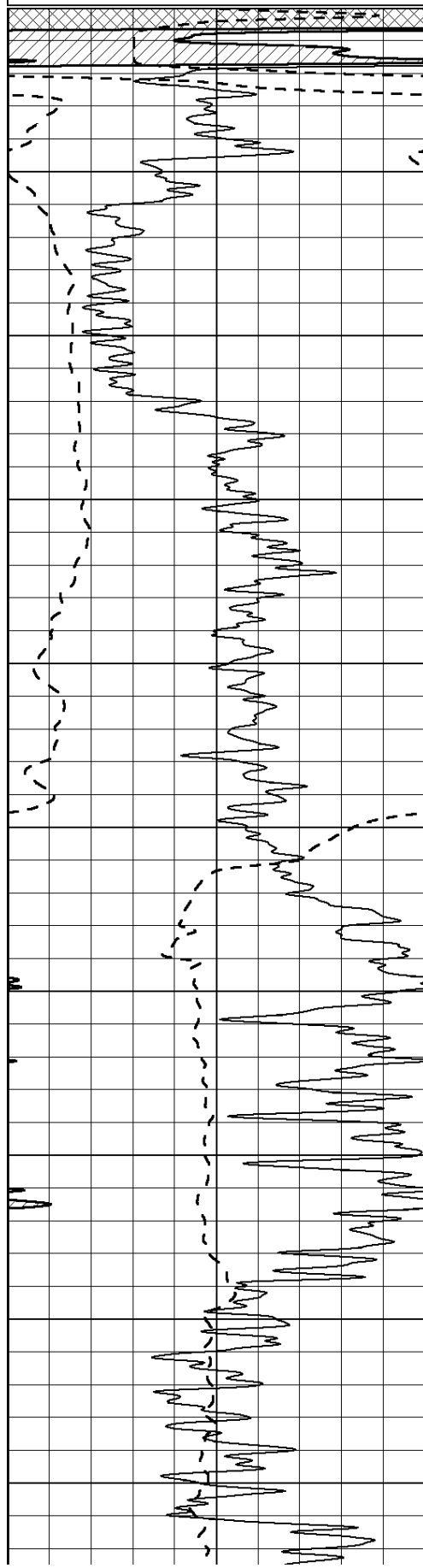
0 RLL3 (Ohm-m) 50

0 Deep Induction (Ohm-m) 50

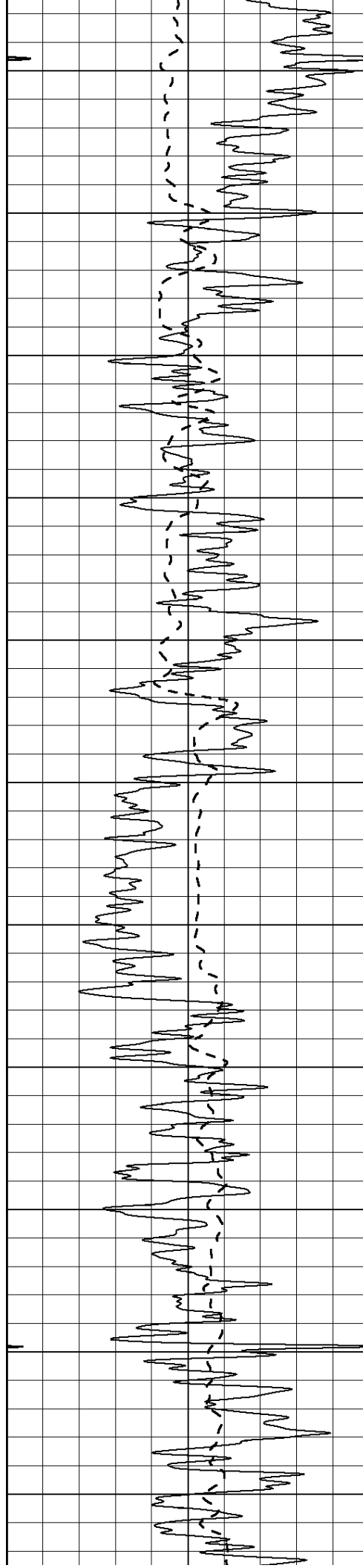
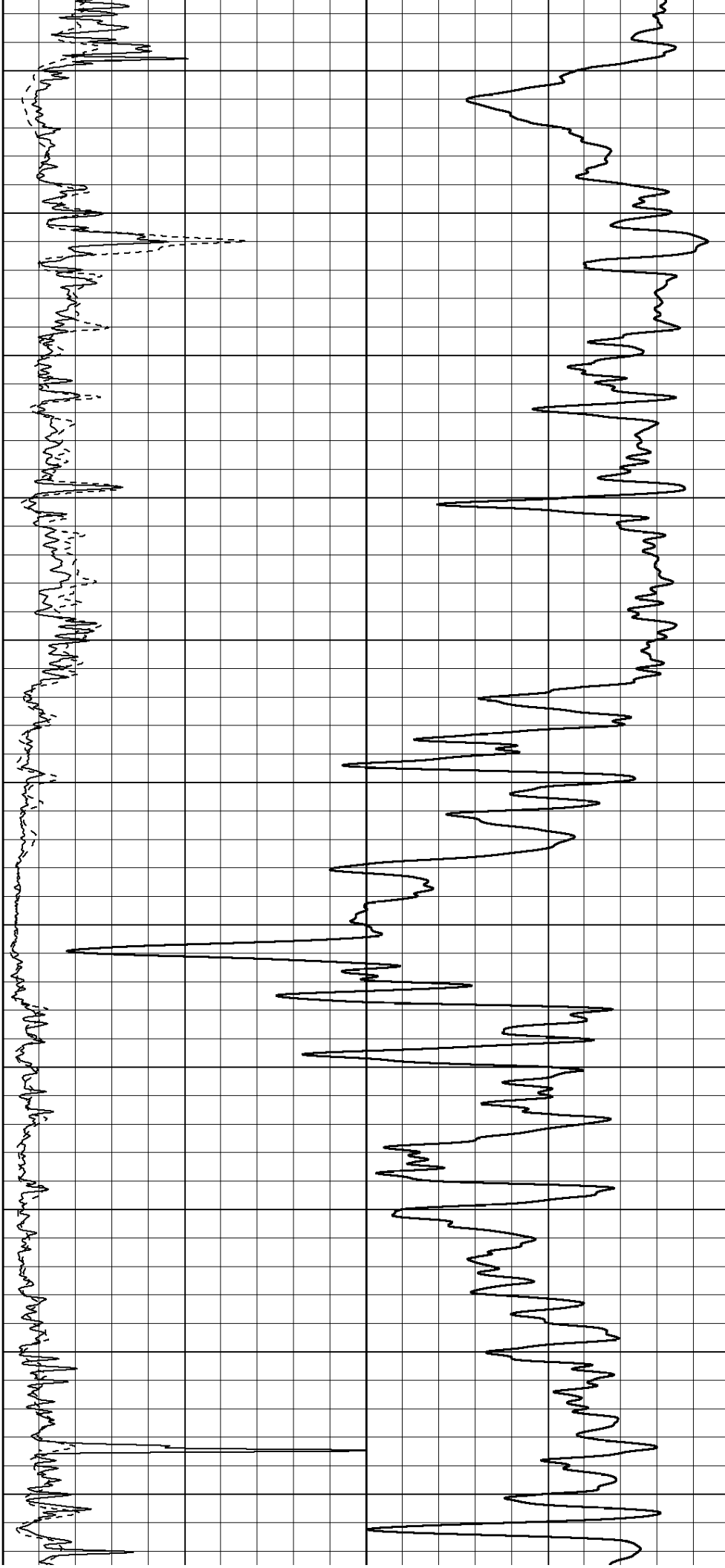
1000 CILD (mmho/m) 0

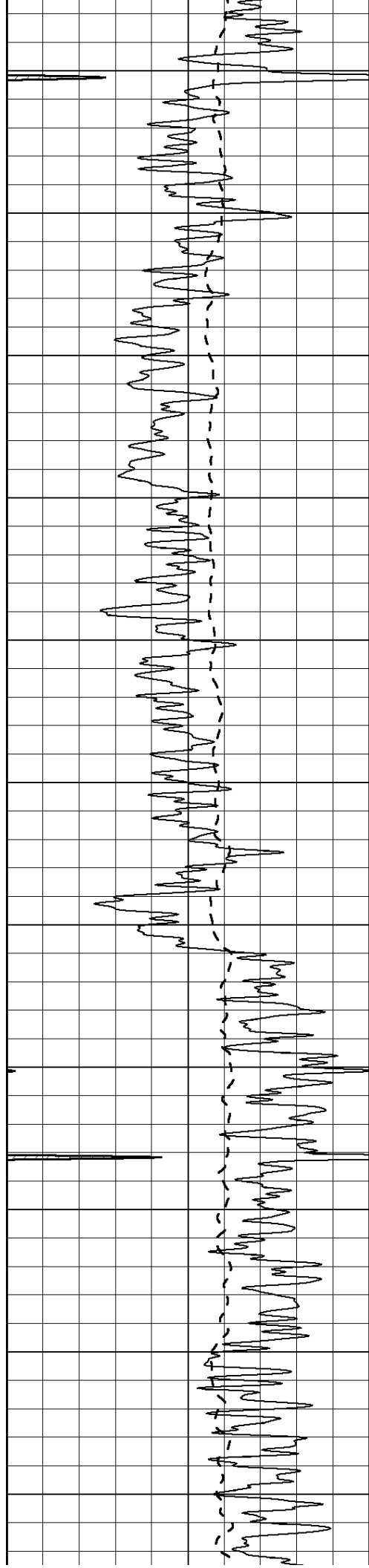
50 RILD X10 (Ohm-m) 500

50 RLL3 X10 (Ohm-m) 500



500 550 600 650 700 750 800 850 900 950 1000





1050

1100

1150

1200

1250

1300

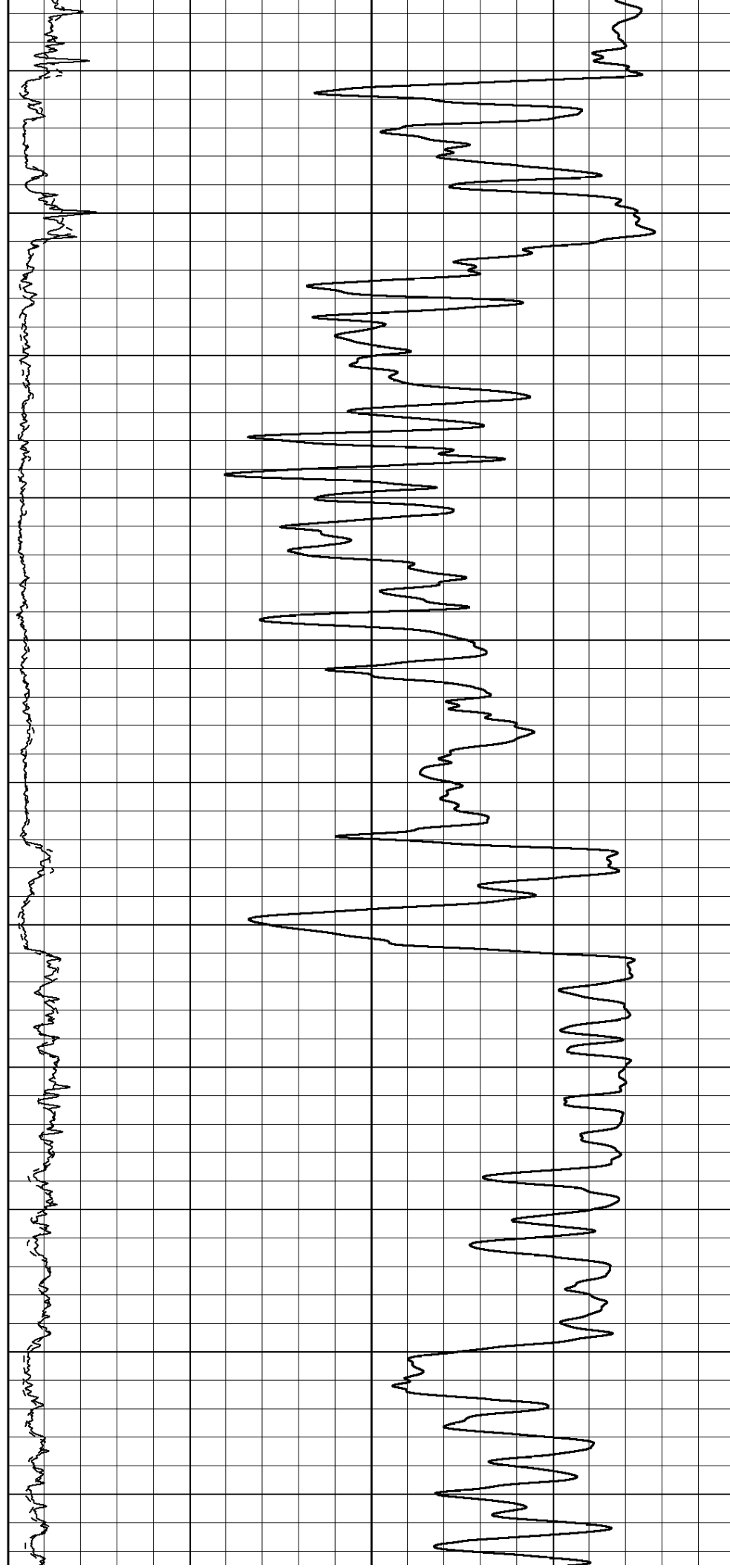
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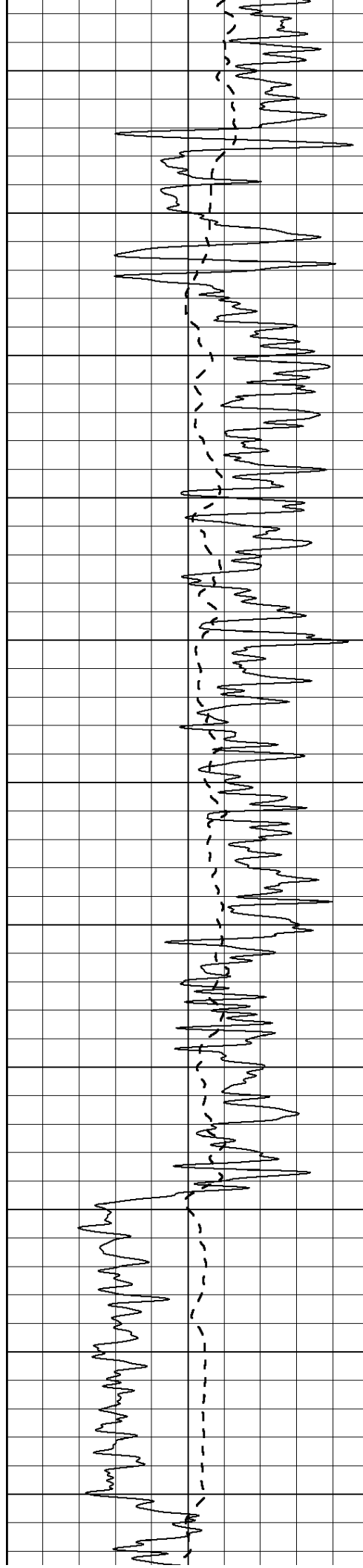
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1500

1550





1600

1650

1700

1750

1800

1850

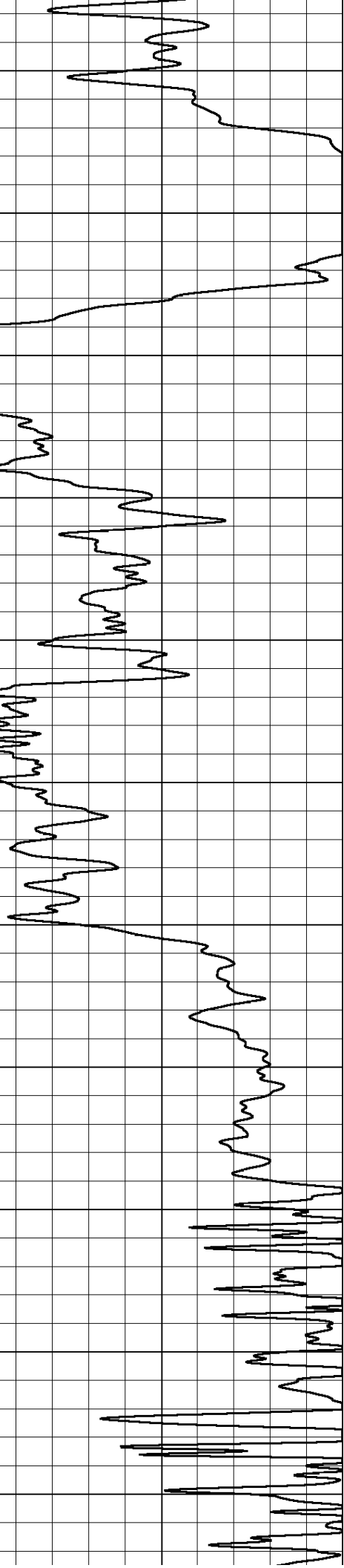
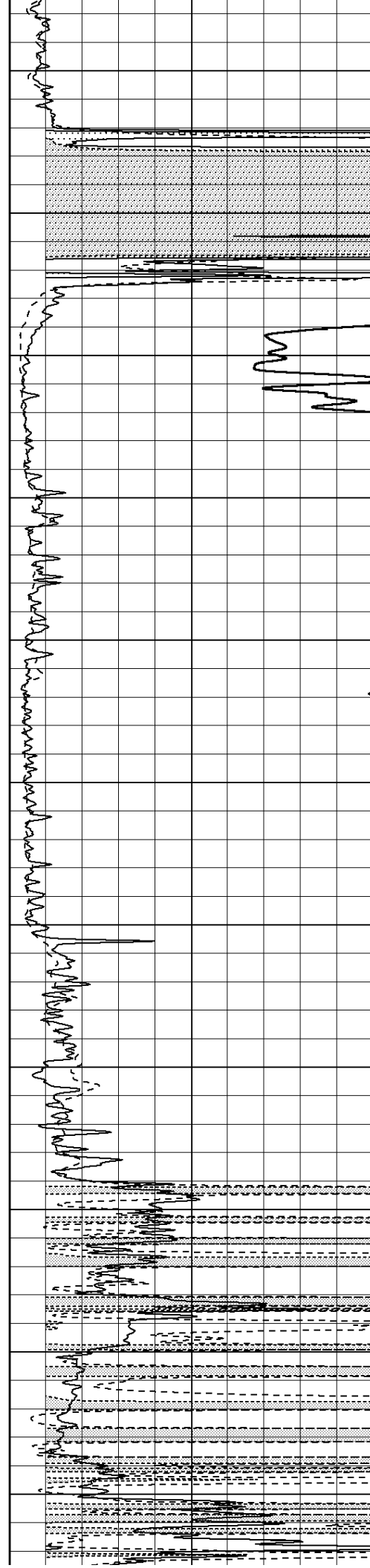
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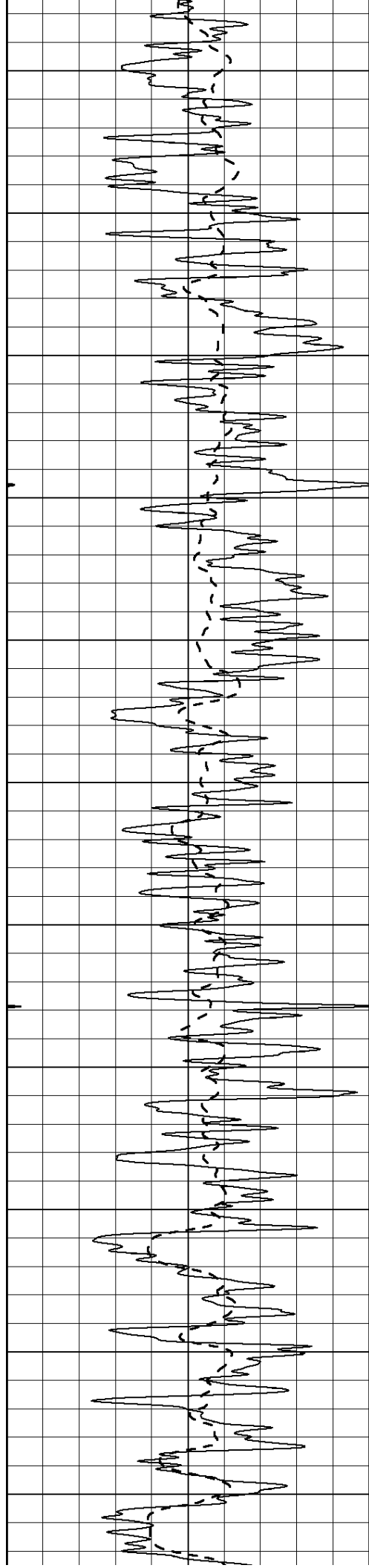
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2000

2050

2100





2150

2200

2250

2300

2350

2400

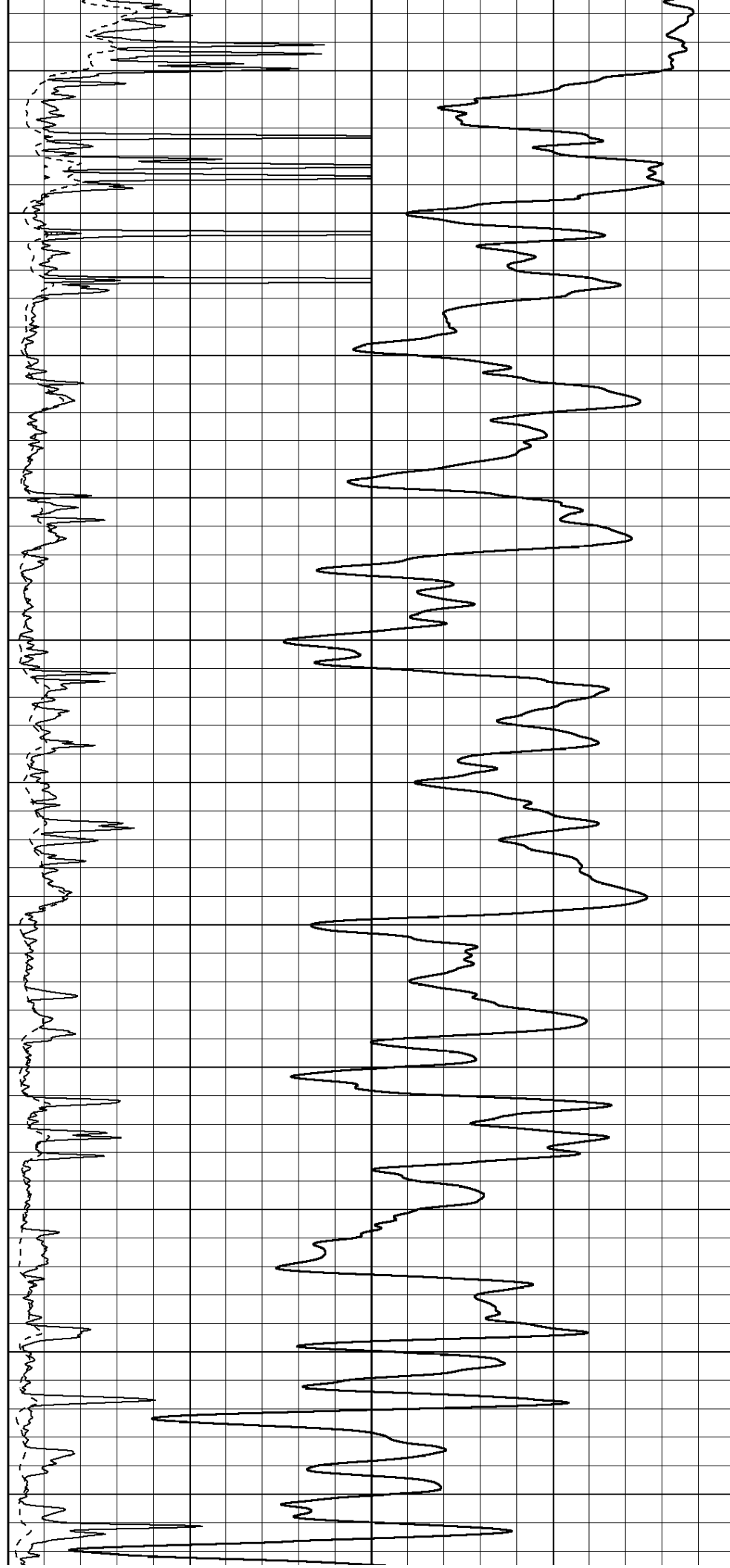
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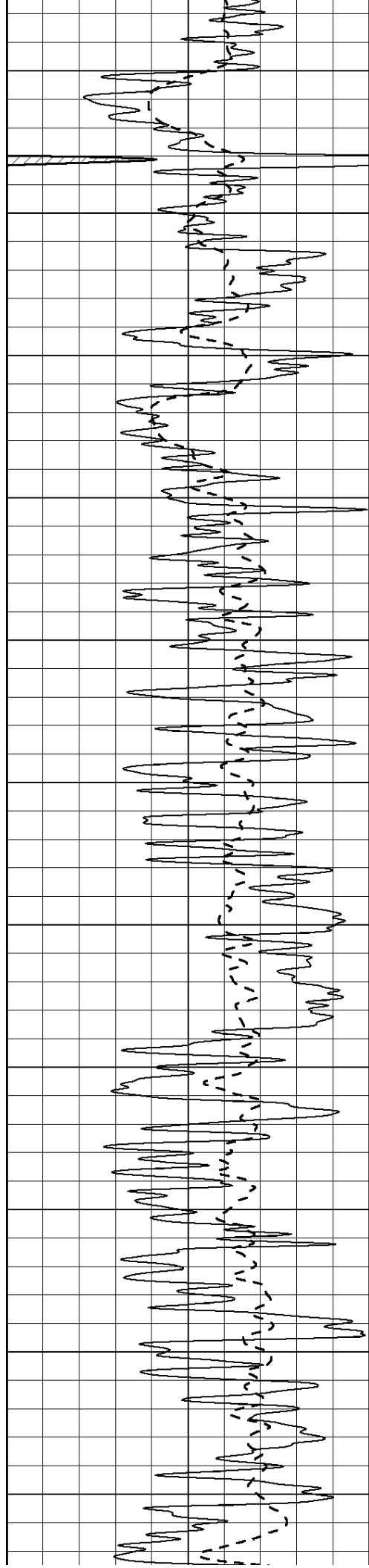
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2600

2650





2700

2750

2800

2850

2900

2950

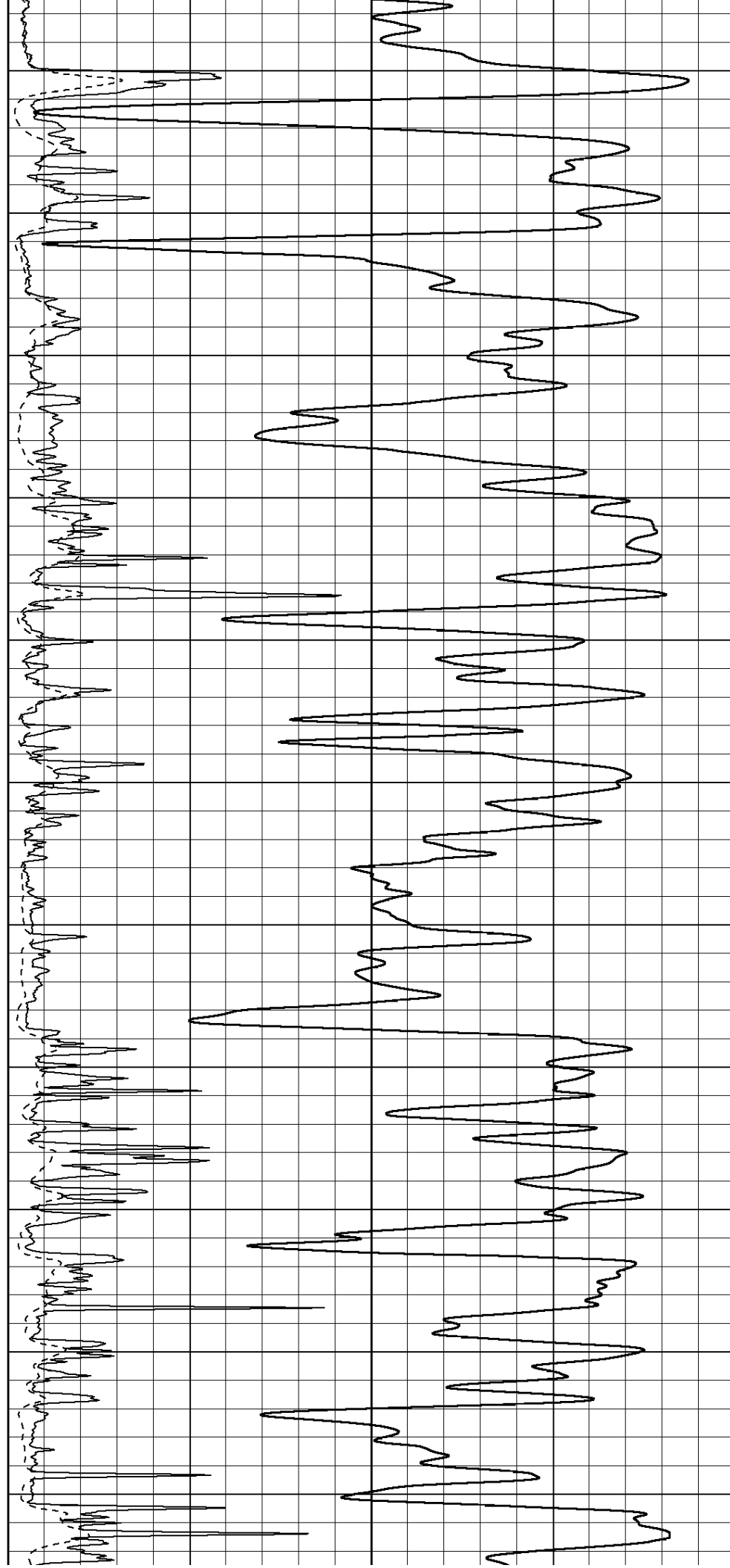
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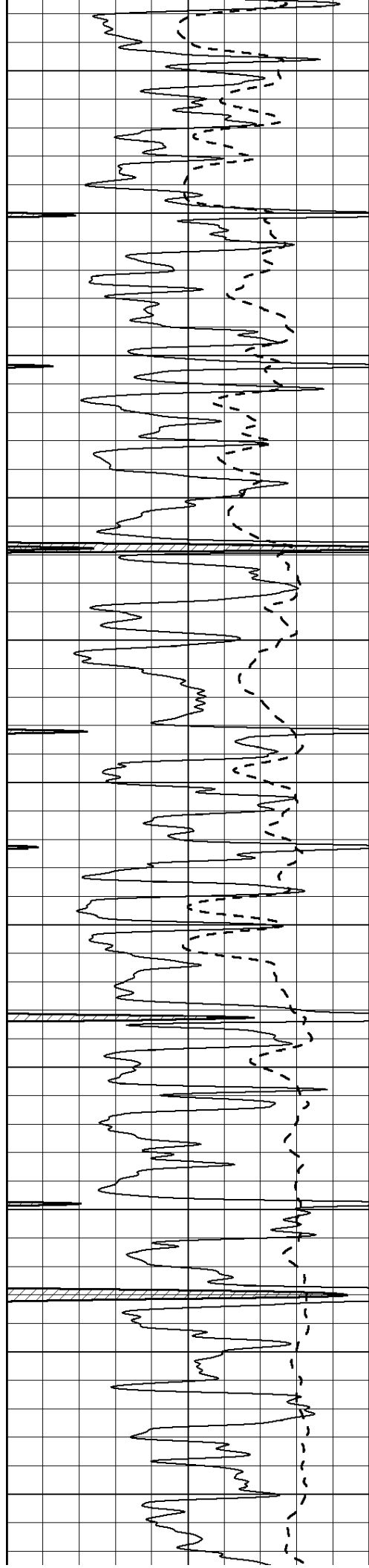
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3100

3150

3200





3250

3300

3350

3400

3450

3500

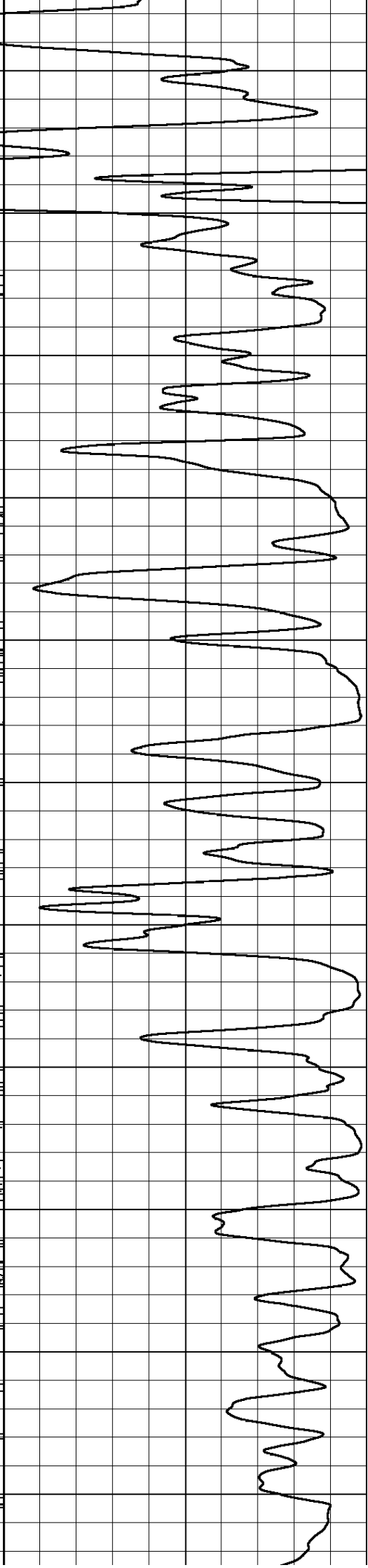
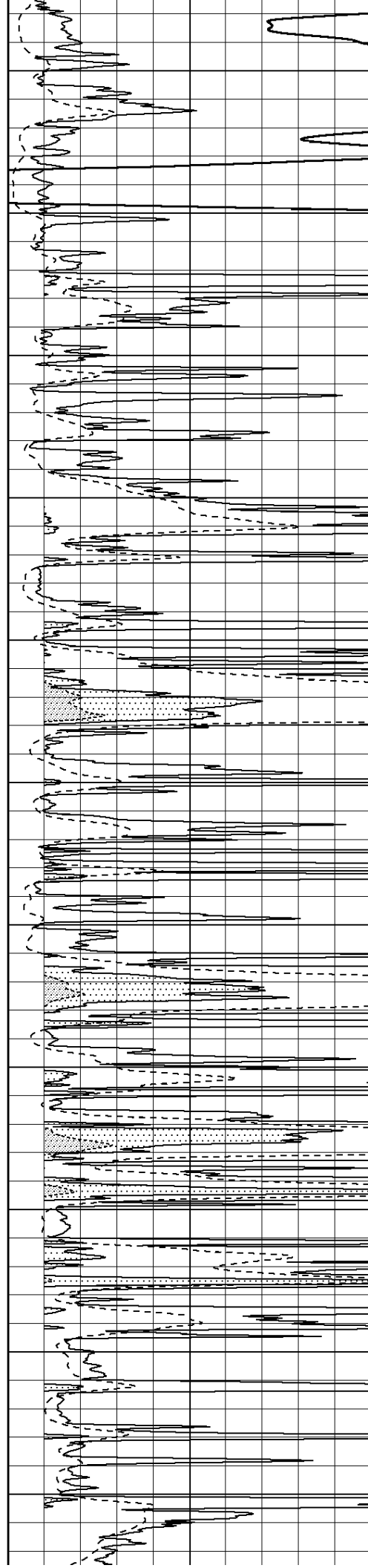
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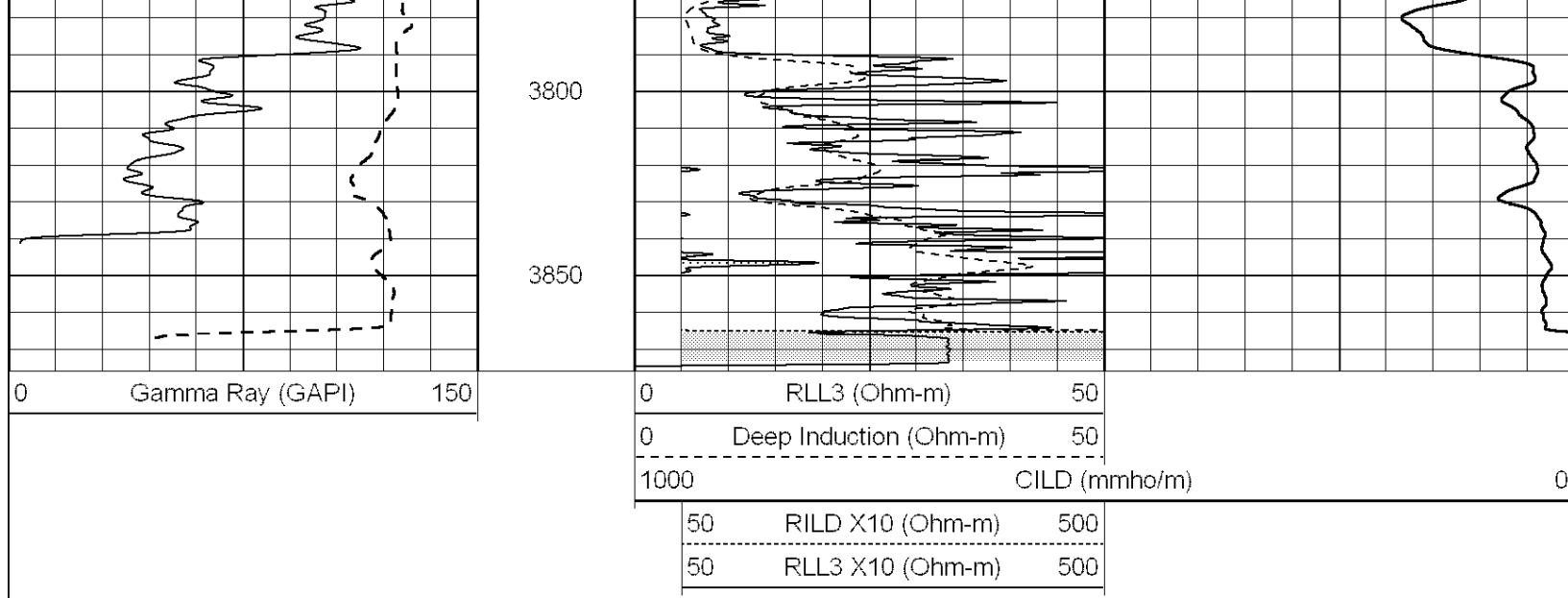
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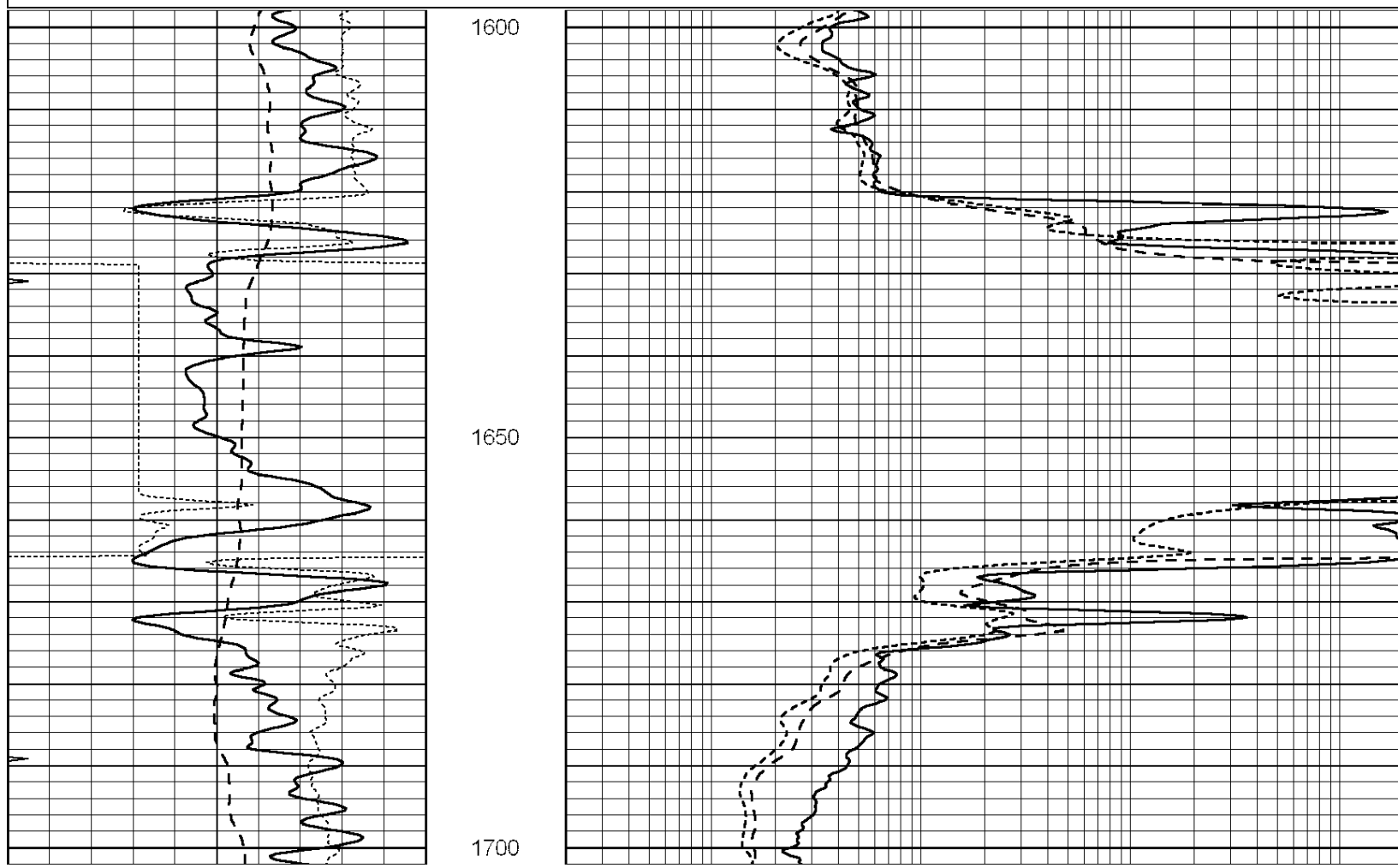
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 Dataset Pathname: pass4.2
 Presentation Format: dil
 Dataset Creation: Sun Sep 02 21:46:47 2012 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	0.2	RLL3 (Ohm-m)	2000
-100	SP (mV)	100	0.2	DEEP INDUCTION (Ohm-m)	2000
-250	RxoRt	50	0.2	MEDIUM INDUCTION (Ohm-m)	2000
0	MINMK	20			



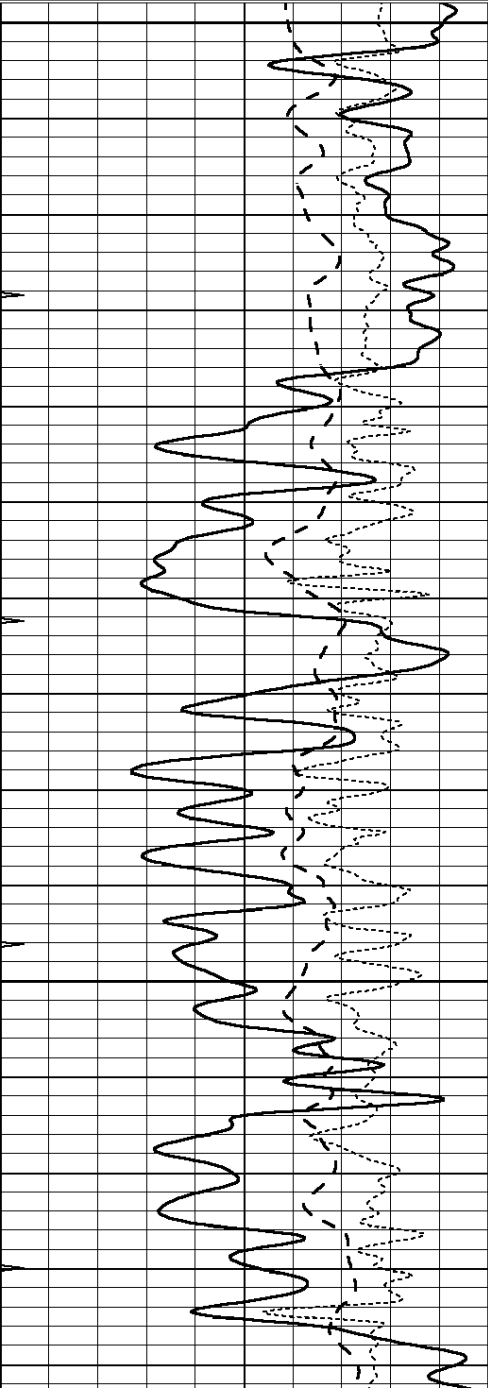
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-100	SP (mV)	100
-250	RxoRt	50
0	MINMK	20

0.2	RLL3 (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000

Database File:	009658ddn.db
Dataset Pathname:	pass4.2
Presentation Format:	dil
Dataset Creation:	Sun Sep 02 21:46:47 2012 by Calc Open-Cased 090629
Charted by:	Depth in Feet scaled 1:240

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-100	SP (mV)	100
-250	RxoRt	50
0	MINMK	20

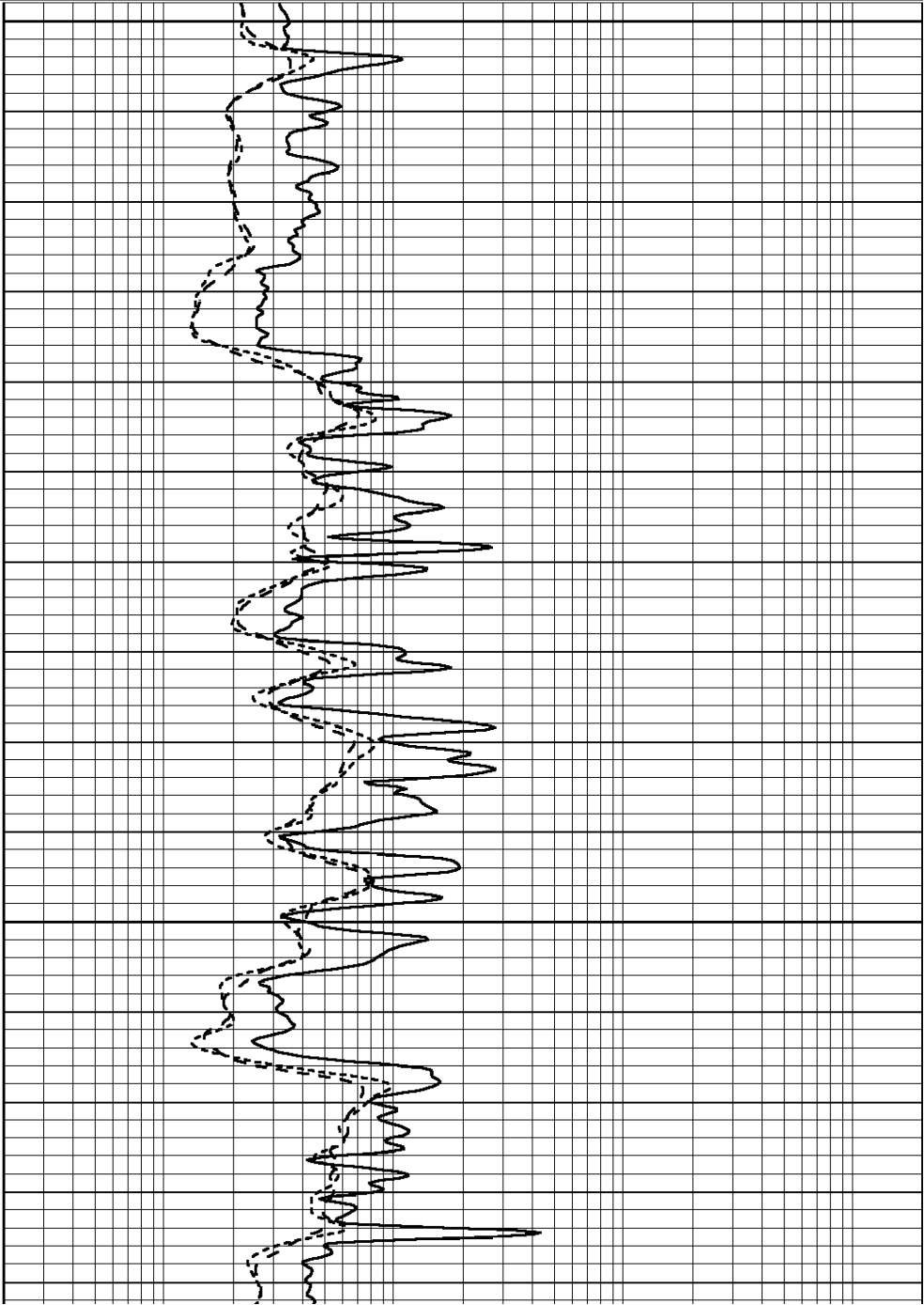
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0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000

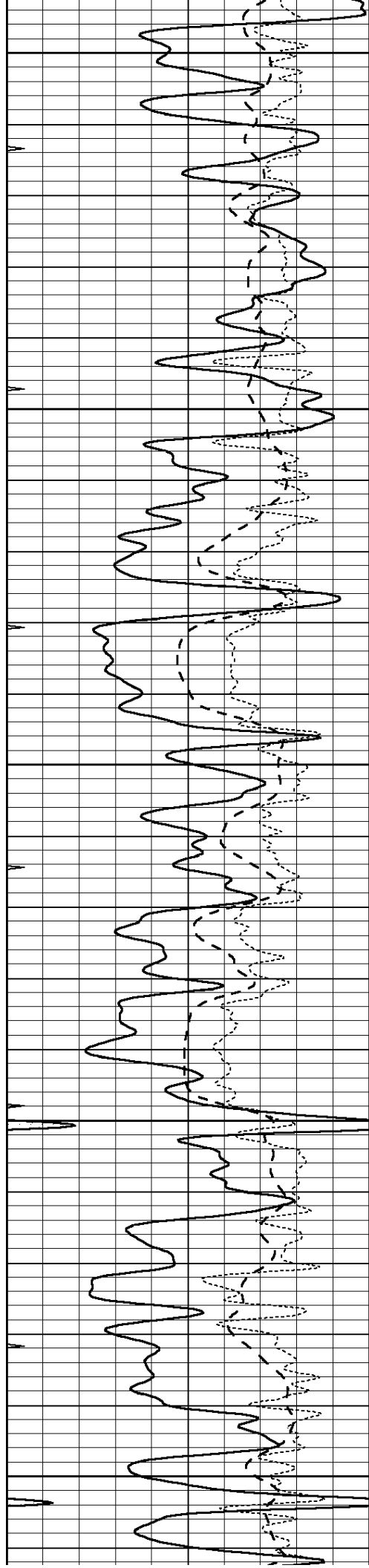


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3050

3100





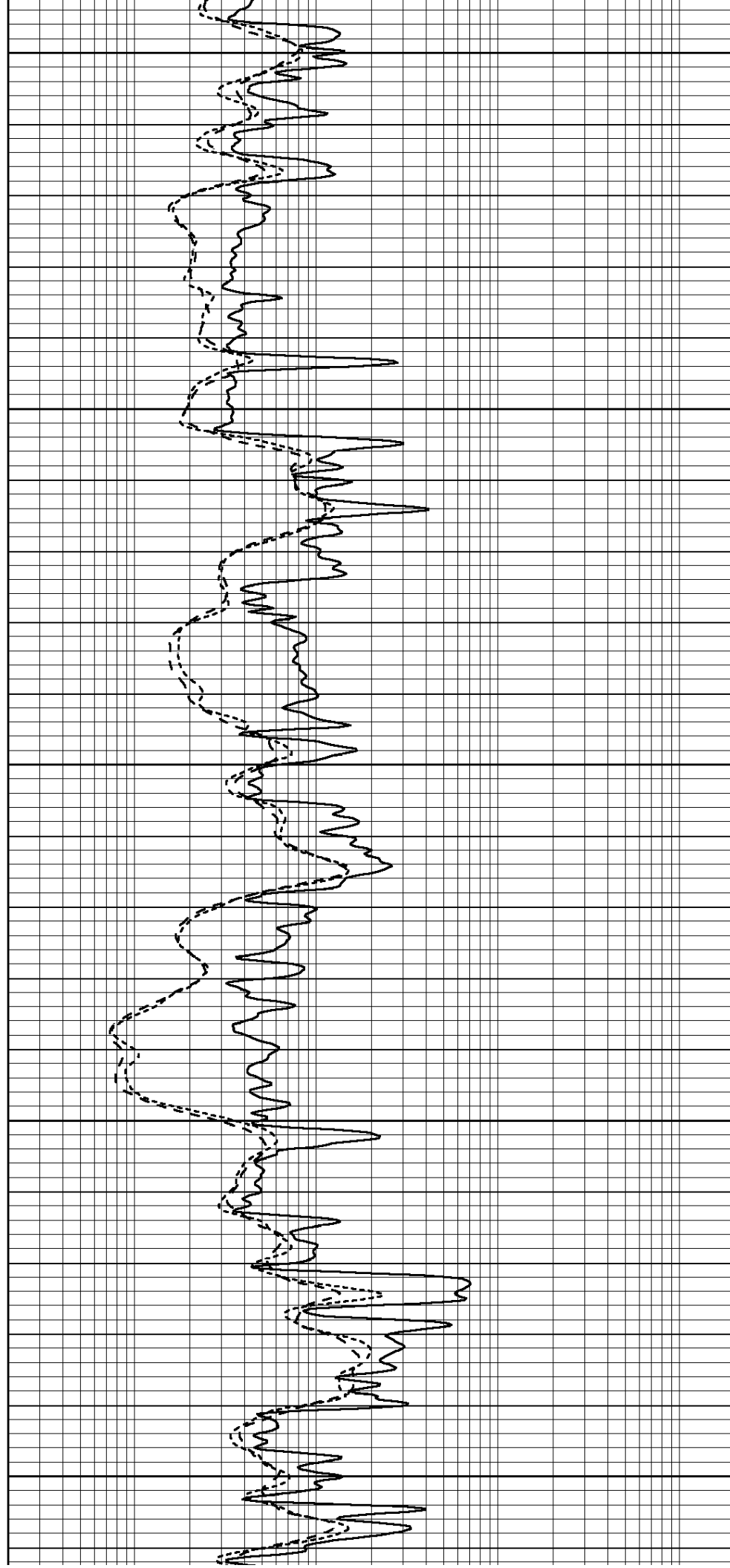
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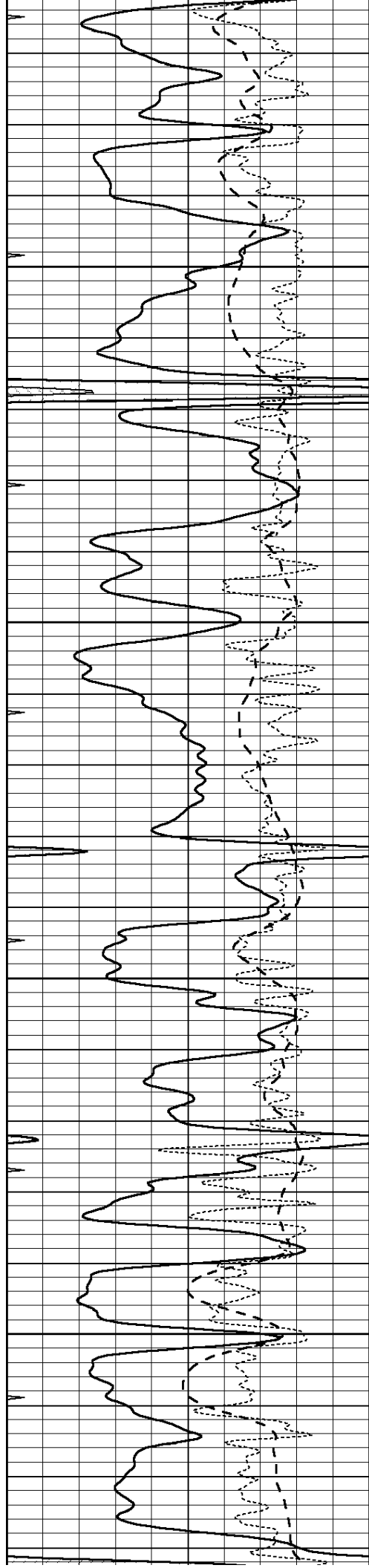
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3300

3350



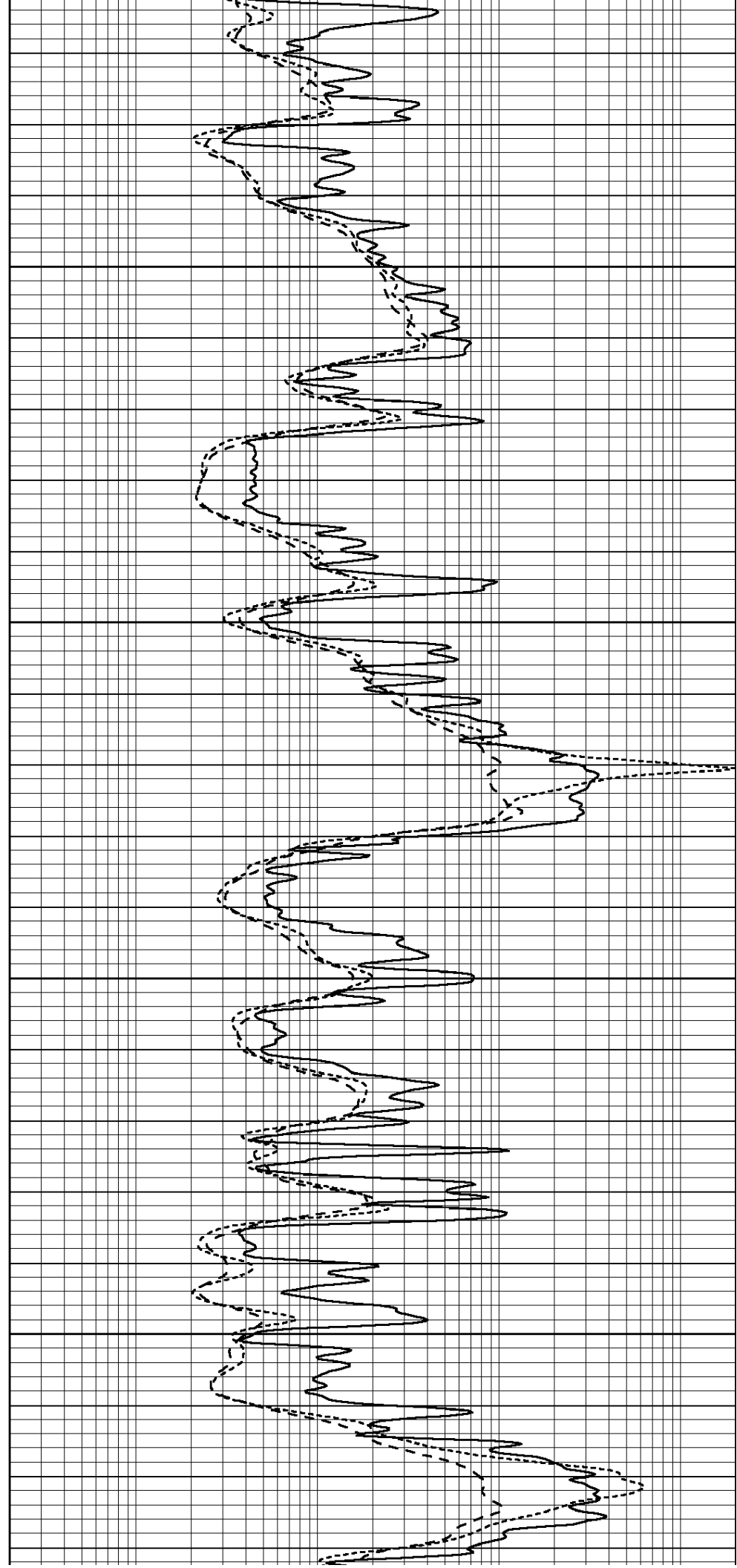


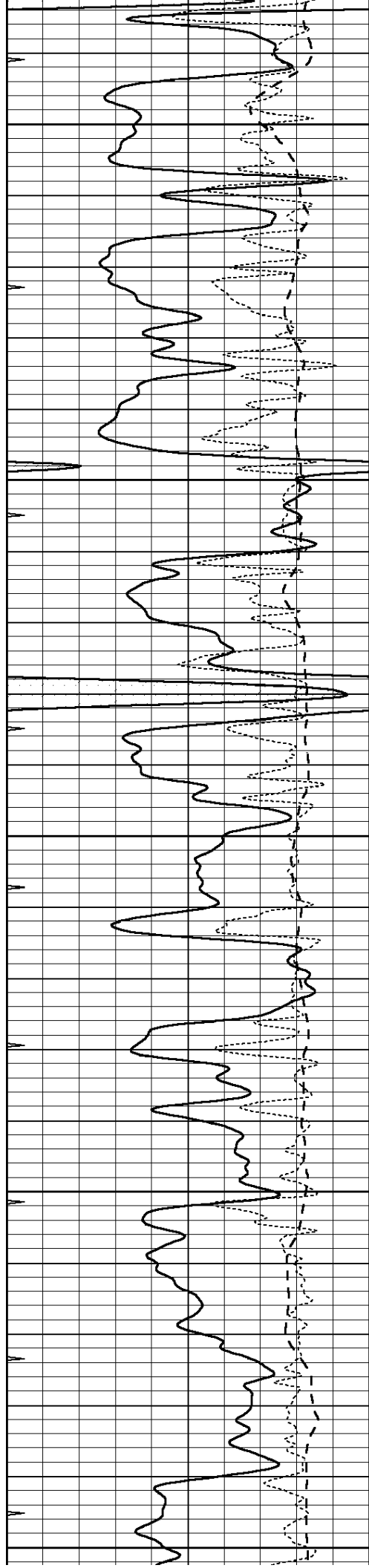
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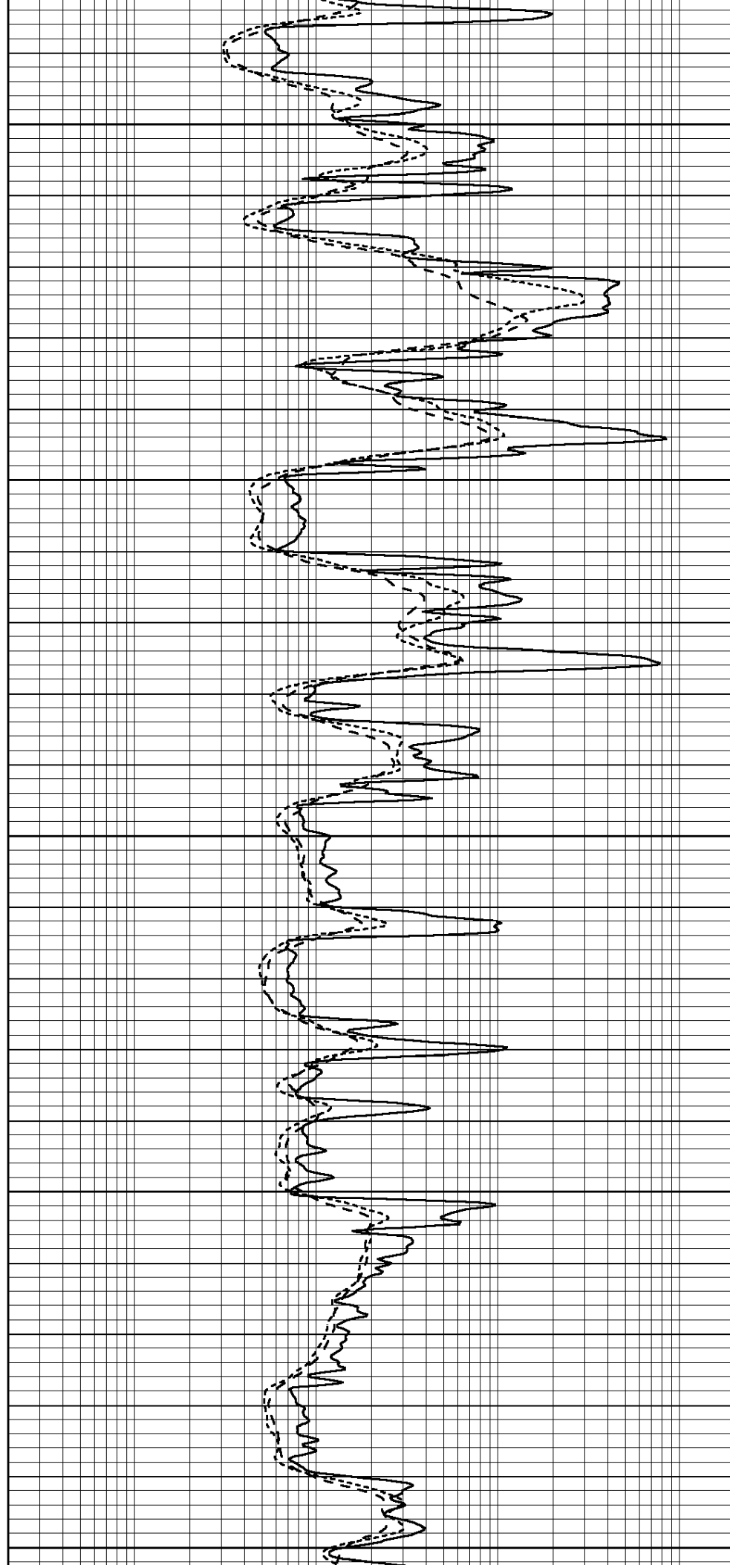
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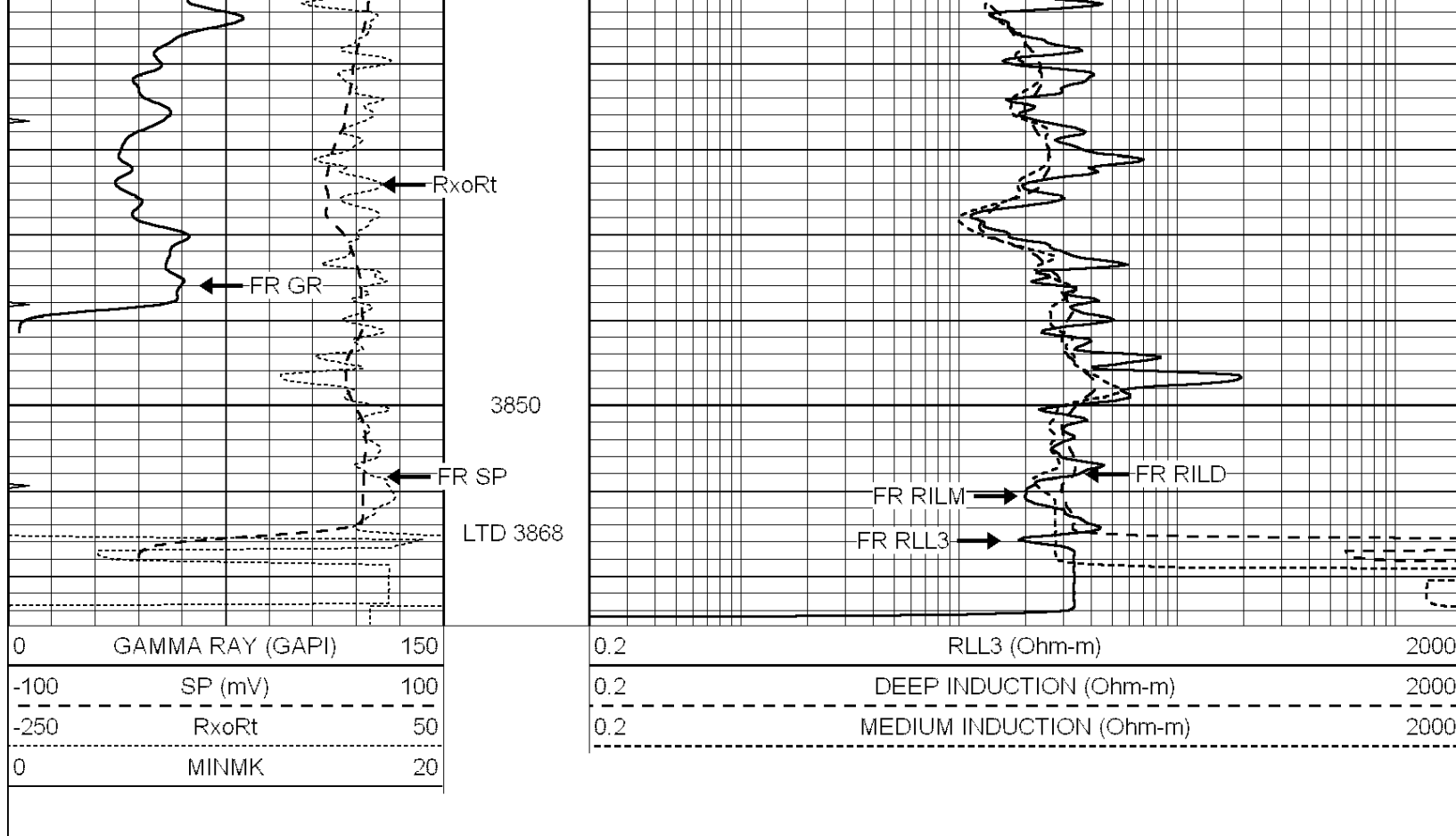
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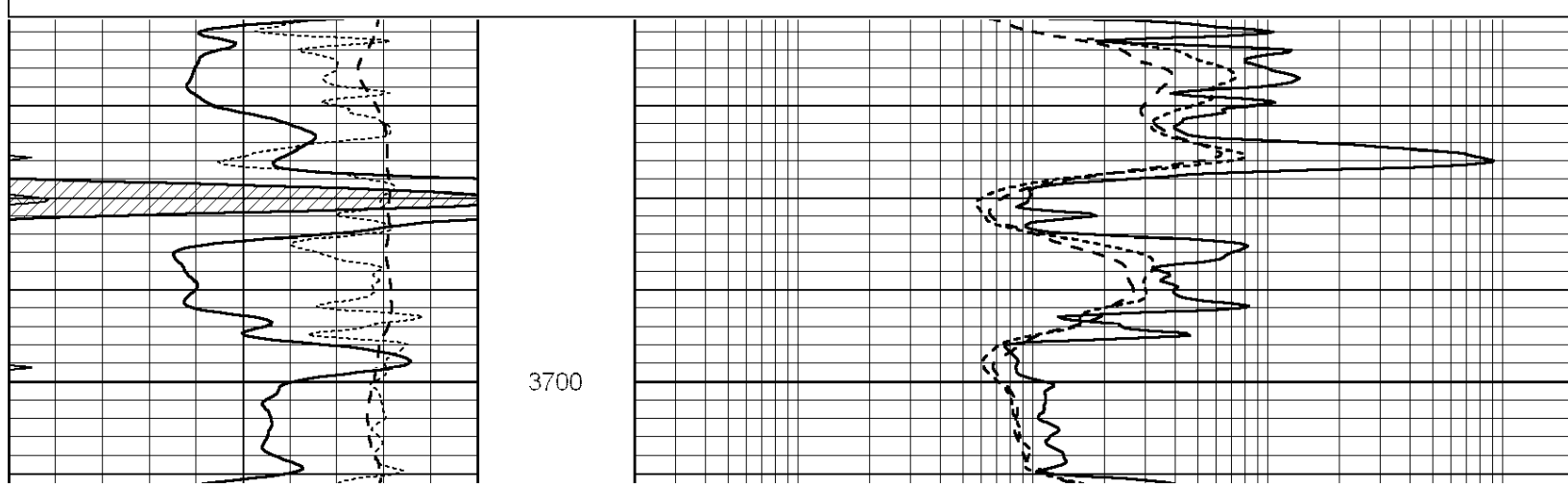


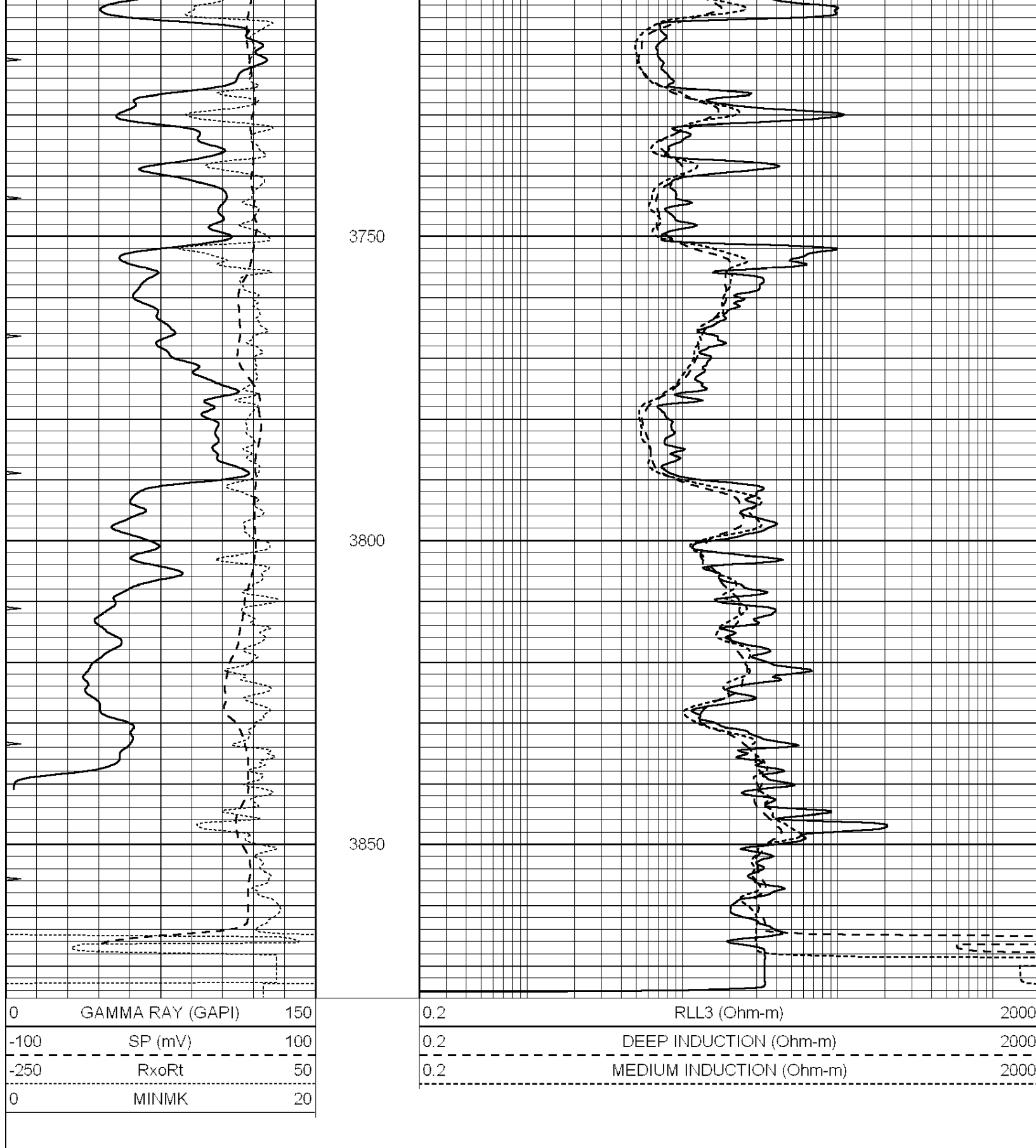


REPEAT SECTION

Database File: 009658ddn.db
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 Presentation Format: dil
 Dataset Creation: Sun Sep 02 20:51:08 2012 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240

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-100	SP (mV)	100	0.2	DEEP INDUCTION (Ohm-m)	2000
-250	RxoRt	50	0.2	MEDIUM INDUCTION (Ohm-m)	2000
0	MINMK	20			





Calibration Report

Database File: 009658ddn.db
Dataset Pathname: pass4.2
Dataset Creation: Sun Sep 02 21:46:47 2012 by Calc Open-Cased 090629

Dual Induction Calibration Report

Serial Model:

DLE 0500

Serial-Model:
Performed:

DILS-GEAR
Wed Aug 29 20:23:16 2012

Readings				References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.004	0.654	V	0.000	400.000	mmho/m	490.000	-15.000
Medium	-0.005	0.737	V	0.000	462.500	mmho/m	530.000	-10.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.006	0.655	V	0.000	400.000	mmho/m	615.668	-3.483
Medium	0.010	0.747	V	0.000	462.500	mmho/m	627.607	-6.064

Compensated Density Calibration Report

Serial-Model: GEAR2-GEARHART
Source / Verifier: 147 / 147
Master Calibration Performed: Wed Aug 29 19:55:57 2012

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.710	g/cc	1451.87	701.81	cps
Aluminum	2.590	g/cc	324.88	493.46	cps
Spine Angle = 76.76			Density/Spine Ratio = 0.572		
	Size		Reading		
Small Ring	8.00	in	5.48	V	
Large Ring	14.00	in	7.58	V	

Compensated Neutron Calibration Report

Serial Number: NUE_2I
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: GR5
Tool Model: OPEN
Performed: Wed Aug 08 15:07:38 2012

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 1.0 cps

Sensitivity: 0.7500 GAPI/cps