



SUPERIOR
Hays,
Kansas

DUAL INDUCTION LOG

Company	MUSTANG ENERGY CORPORATION		
Well	EVANS "A" #1		
Field	WILDCAT		
County	GOVE		
State	KANSAS		
Company	MUSTANG ENERGY CORPORATION		
Well	EVANS "A" #1		
Field	WILDCAT		
County	GOVE		
State	KANSAS		
Location:	API # : 15-063-22009-0000		Other Services CDL/CNL MEL/SONIC
Permanent Datum	GROUND LEVEL		Elevation
Log Measured From	KELLY BUSHING 8' A.G.L.		K.B. 2580
Drilling Measured From	KELLY BUSHING		D.F. 2578
	SEC 30 TWP 14S RGE 28W		G.L. 2572
Date	7/26/12		
Run Number	ONE		
Depth Driller	4358		
Depth Logger	4359		
Bottom Logged Interval	4357		
Top Log Interval	00		
Casing Driller	8 5/8"@223'		
Casing Logger	223		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 3,000 PPM	
Density / Viscosity	9.4/46		
pH / Fluid Loss	9.5/9.6		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	2.40@110F		
Rmt @ Meas. Temp	1.80@110F		
Rmc @ Meas. Temp	2.88@110F		
Source of Rmt / Rmc	MEASUREMENT		
Rm @ BHT	2.20@120F		
Time Circulation Stopped	2.5 HOURS		
Time Logger on Bottom	6:45 P.M.		
Maximum Recorded Temperature	120F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	JEFF LAWLER		

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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 HAYS, KANSAS (785) 628-6395
DIRECTIONS
GOVE, KS. 10S. ON HWY 23 TO "MISSOURI FLATS RD.", 2E. TO CURVE, 1/2S., 1W. INTO



SUPERIOR
Hays,
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MAIN SECTION

Database File: 409440ddn.db
Dataset Pathname: pass3.8
Presentation Format: dil2
Dataset Creation: Thu Jul 26 20:29:06 2012
Charted by: Depth in Feet scaled 1:600

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

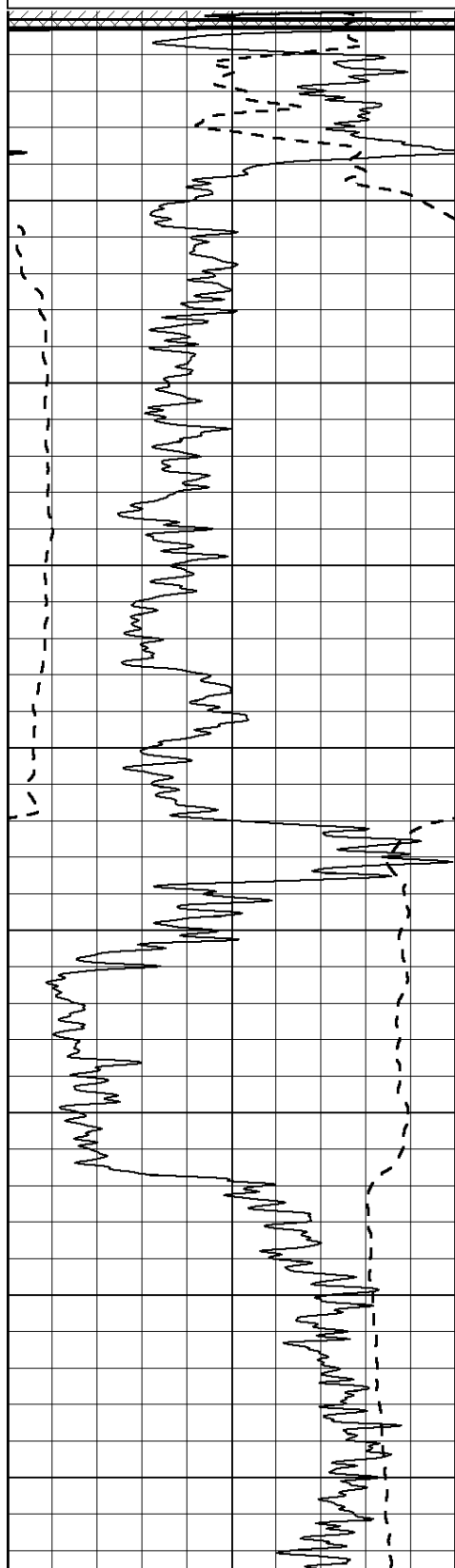
0 RLL3 (Ohm-m) 50

0 RILD (Ohm-m) 50

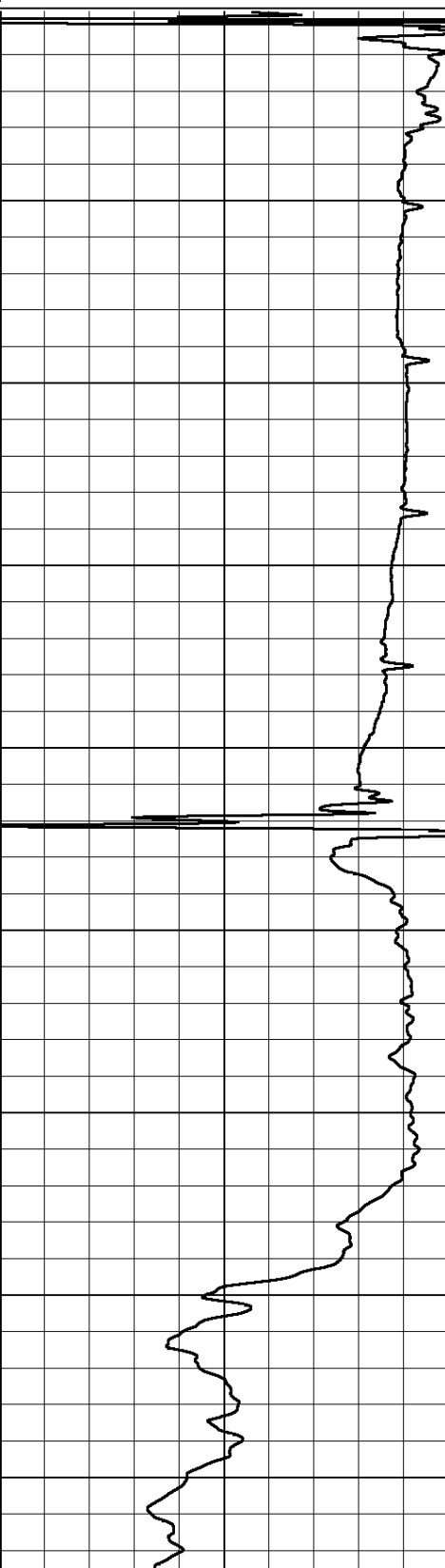
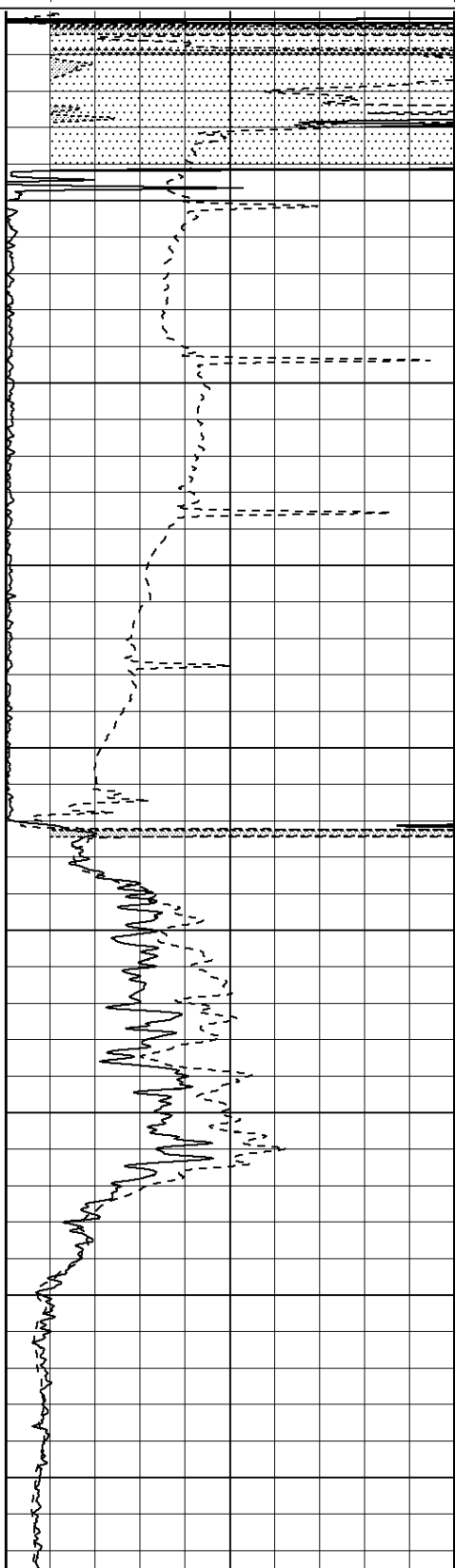
1000 CILD (mmho/m) 0

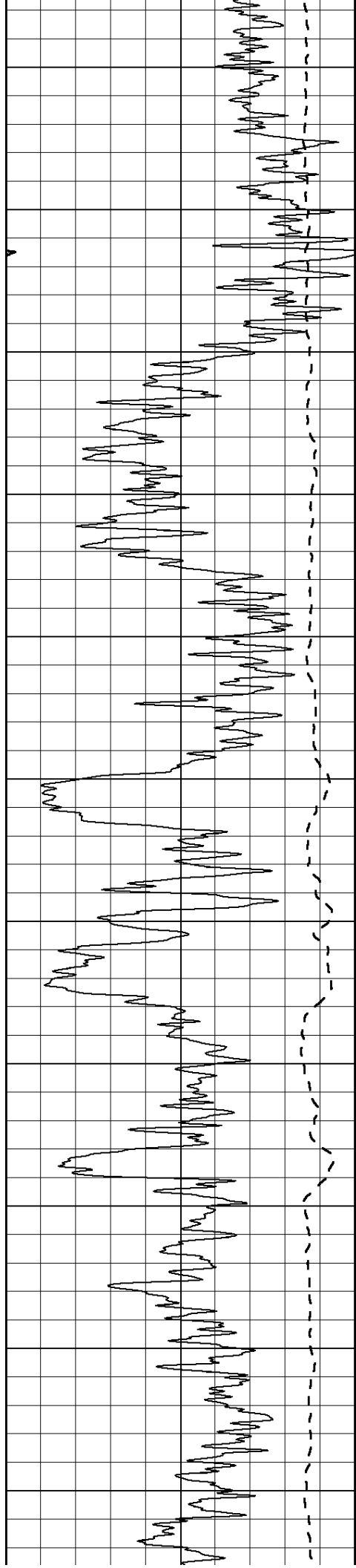
50 RILD X10 (Ohm-m) 500

50 RLL3 X10 (Ohm-m) 500



0
50
100
150
200
250
300
350
400





450

500

550

600

650

700

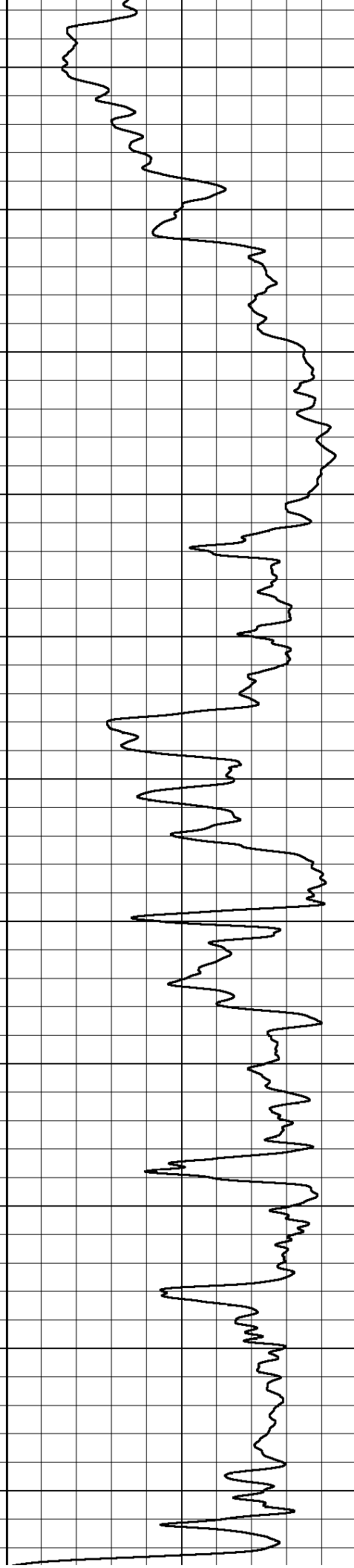
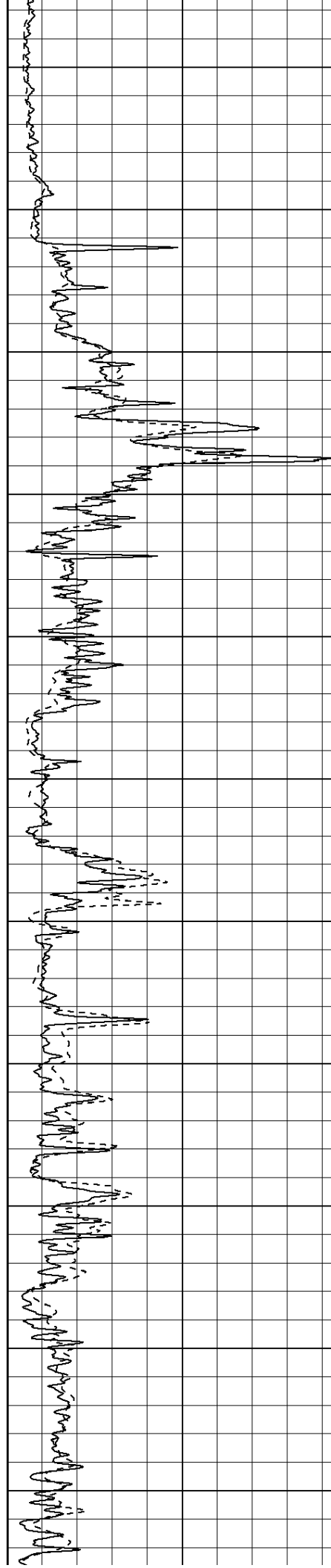
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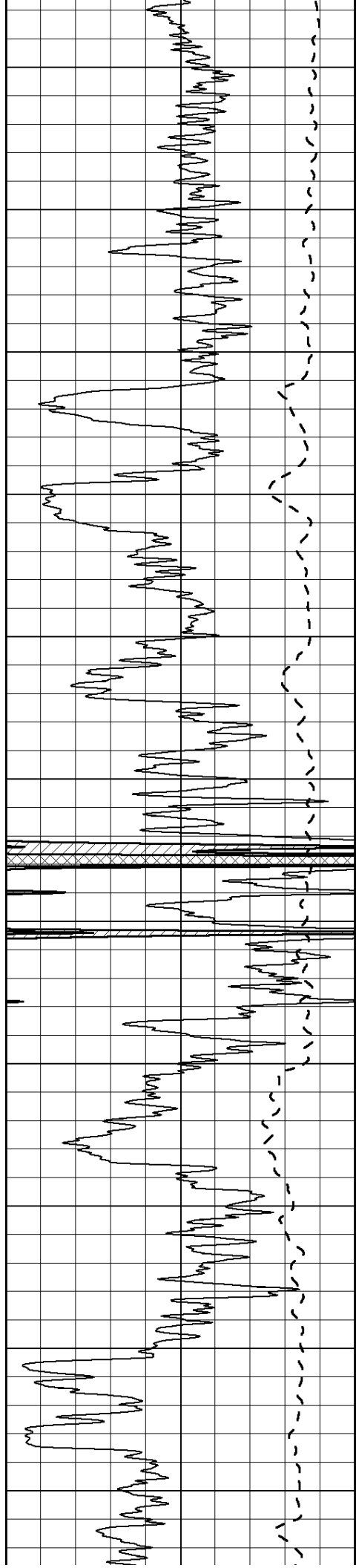
800

850

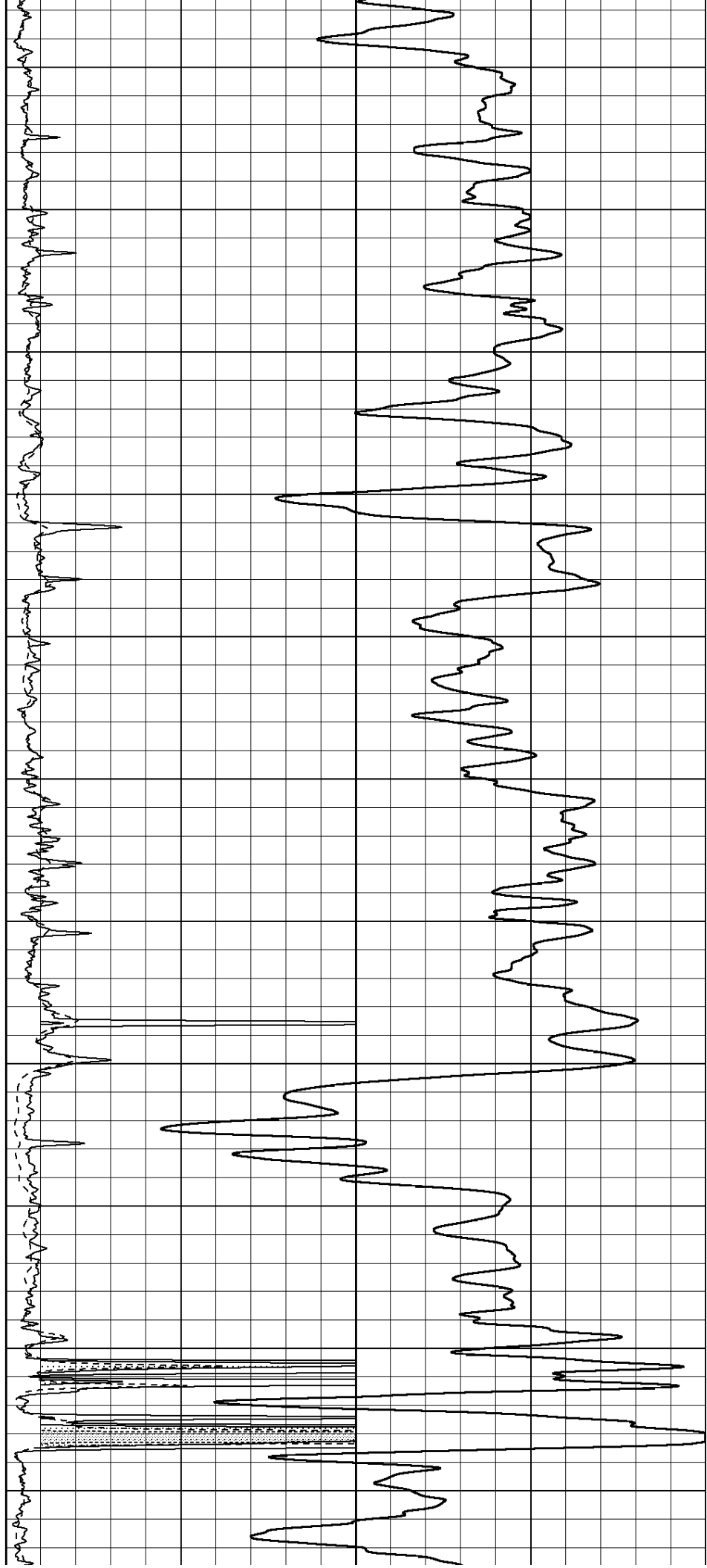
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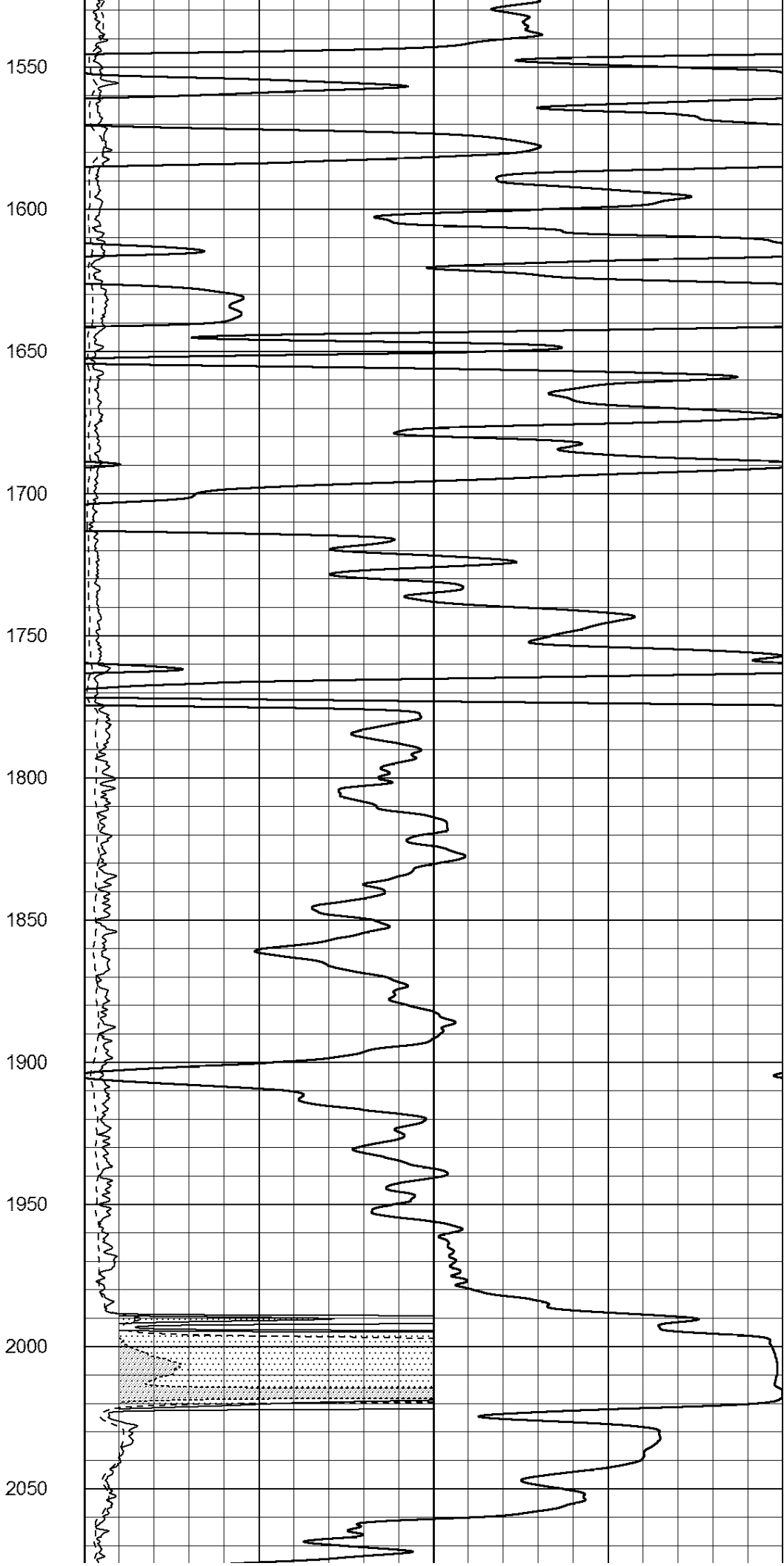
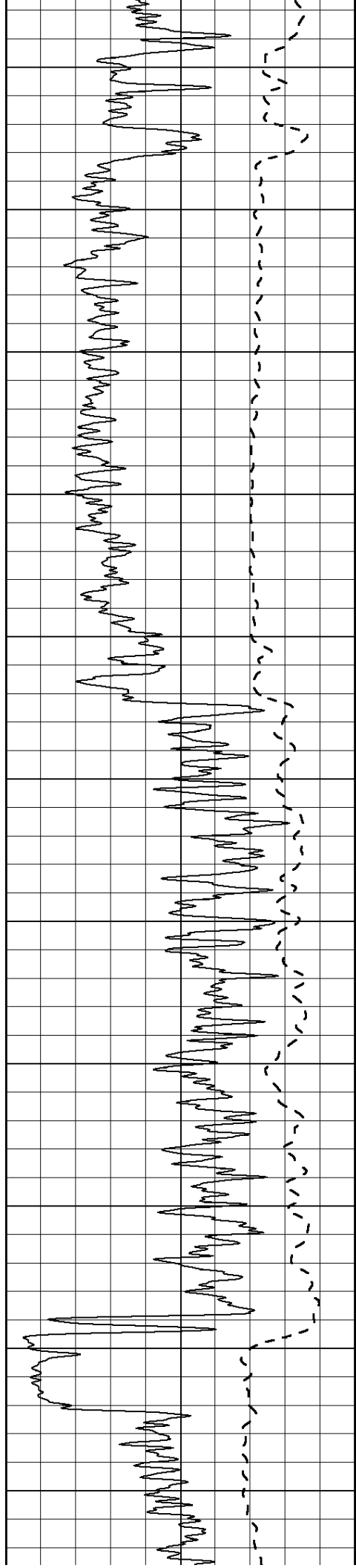
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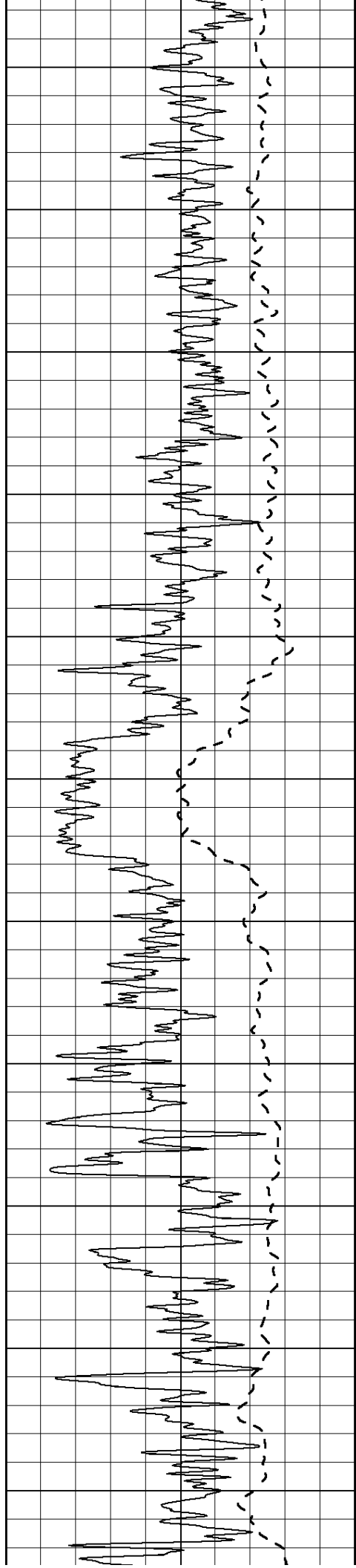




1000
1050
1100
1150
1200
1250
1300
1350
1400
1450
1500







2100

2150

2200

2250

2300

2350

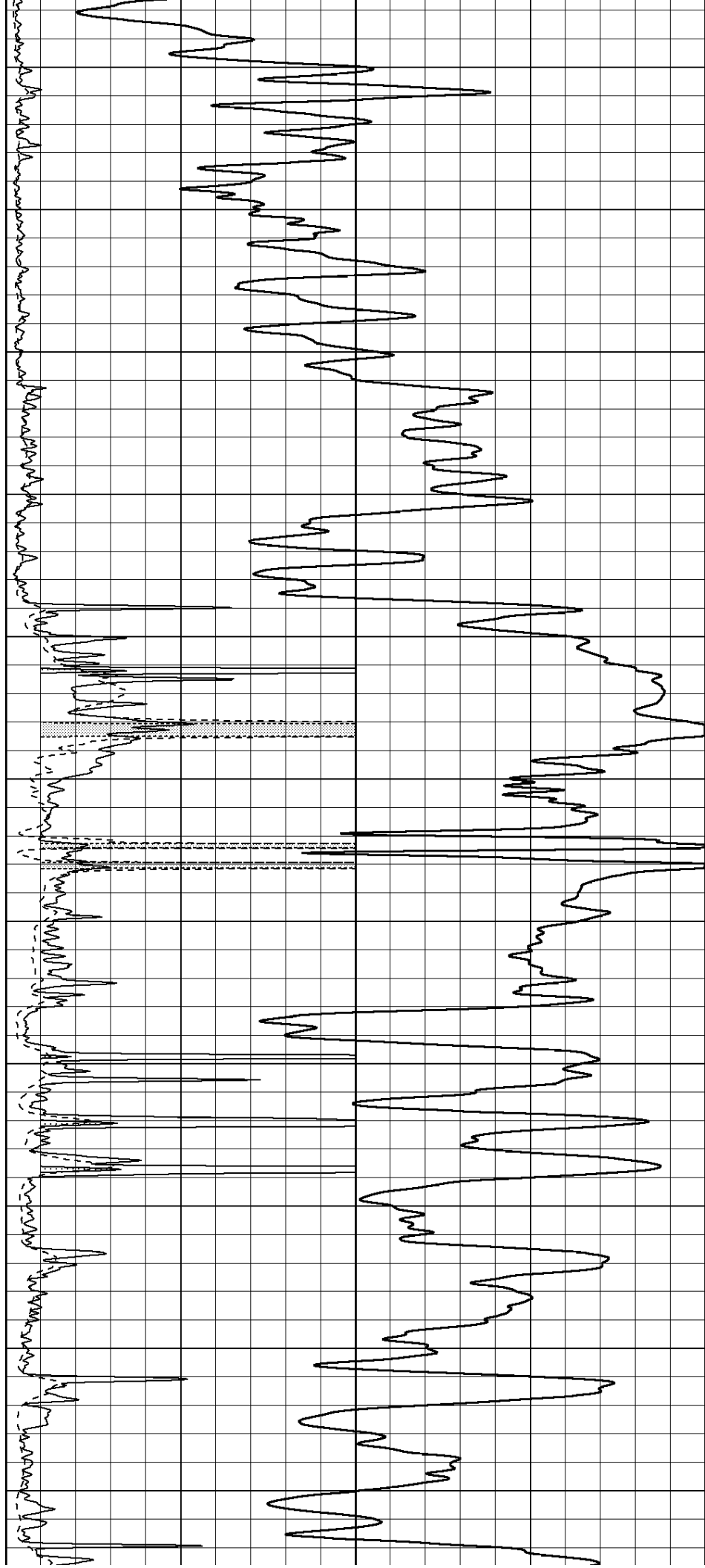
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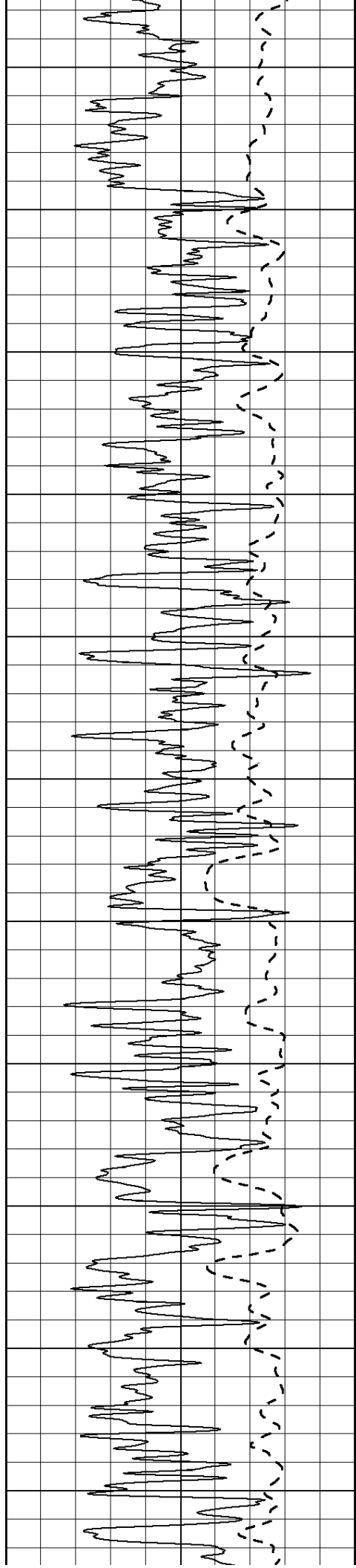
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2500

2550

2600





2650

2700

2750

2800

2850

2900

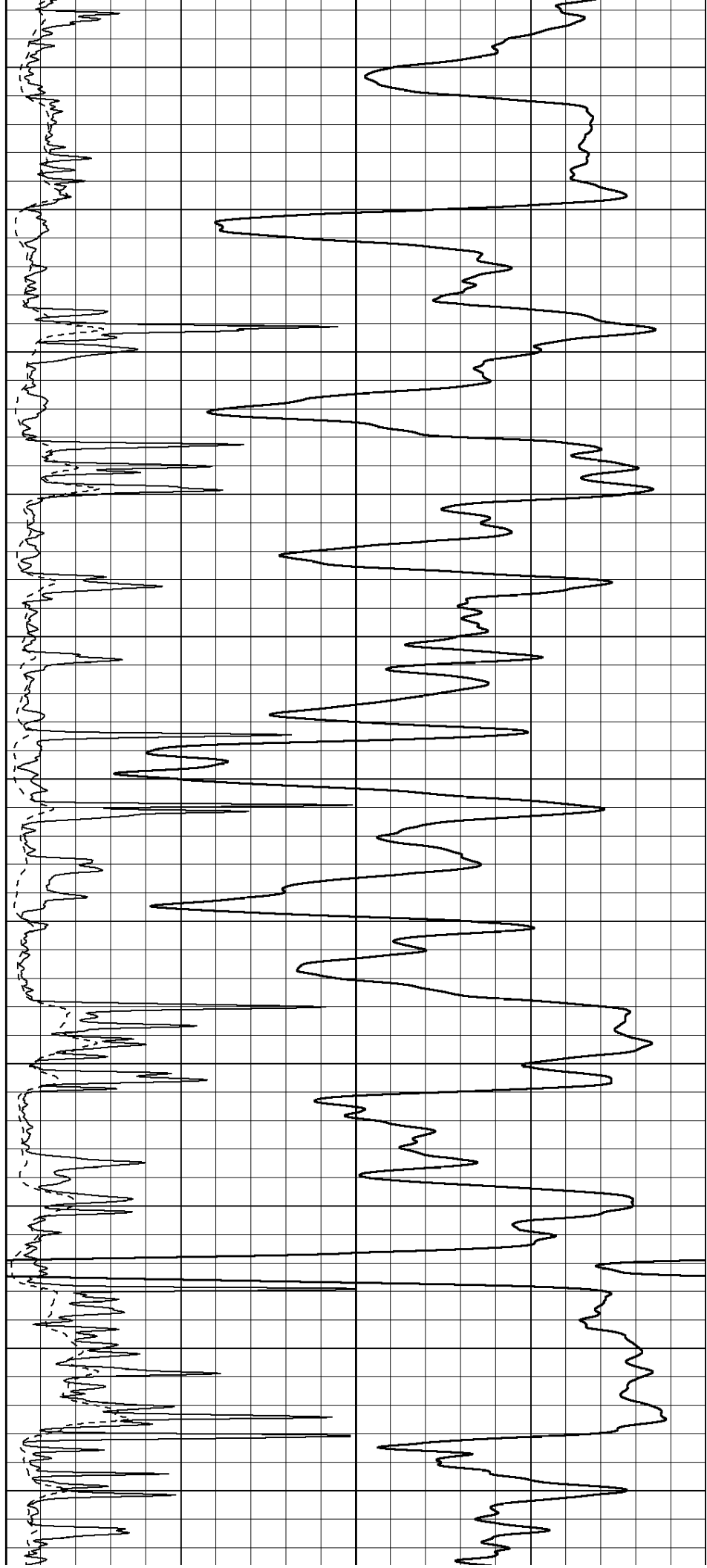
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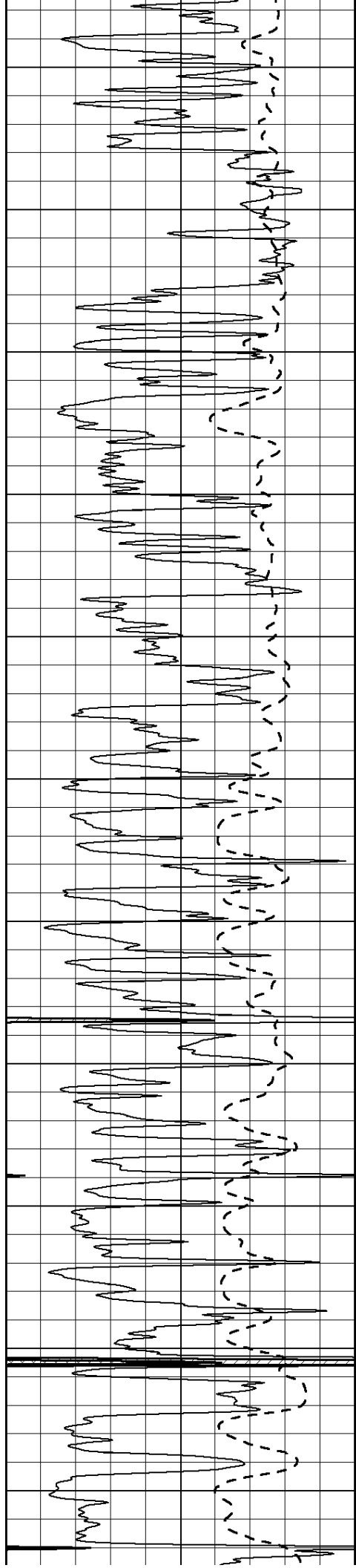
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3050

3100

3150





3200

3250

3300

3350

3400

3450

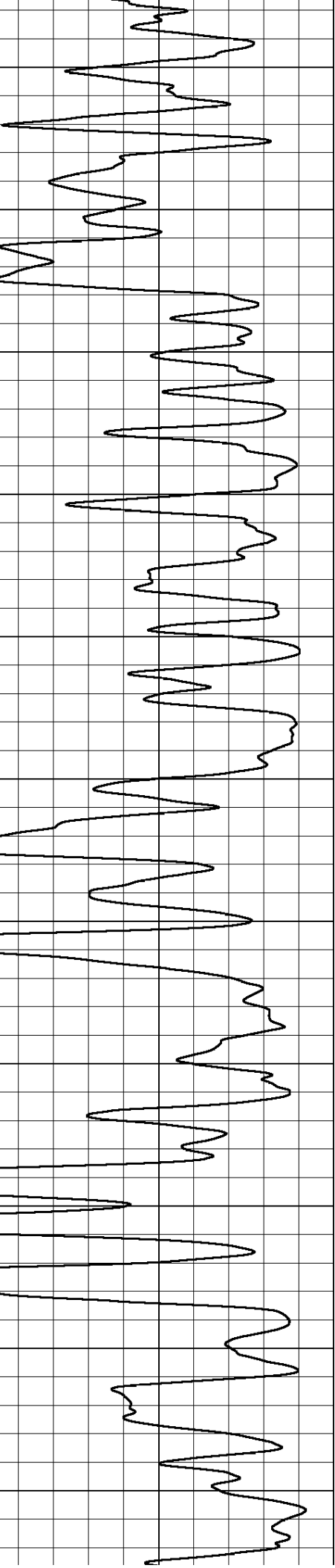
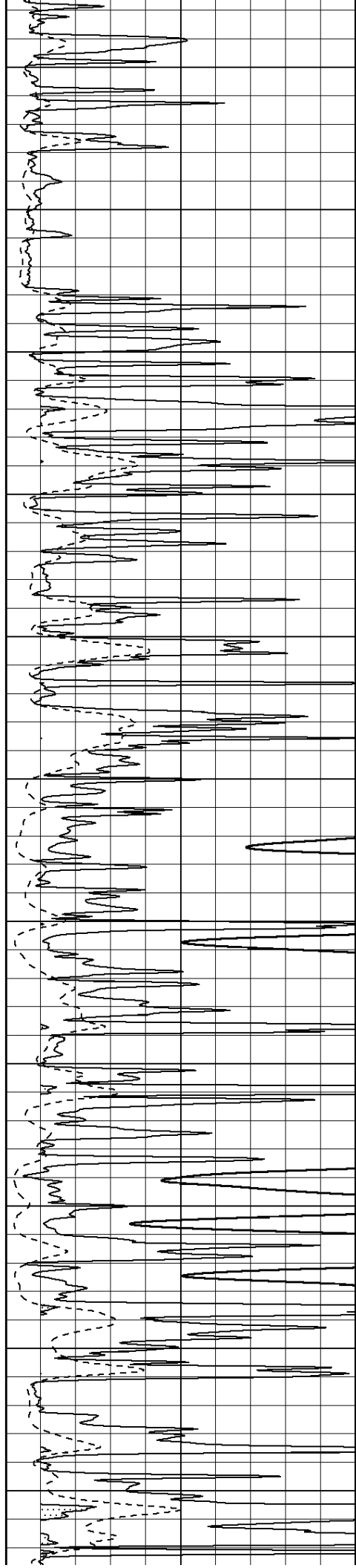
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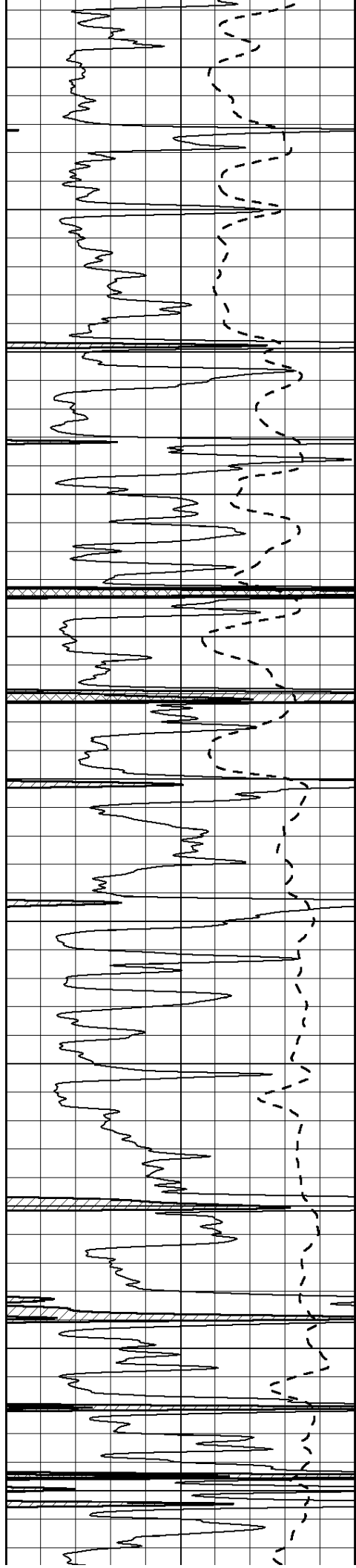
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3600

3650

3700





3750

3800

3850

3900

3950

4000

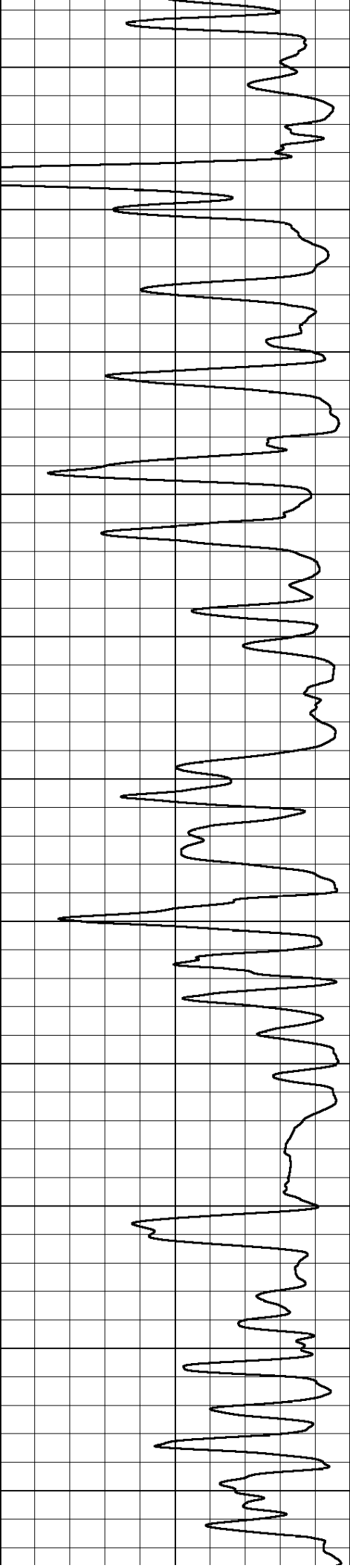
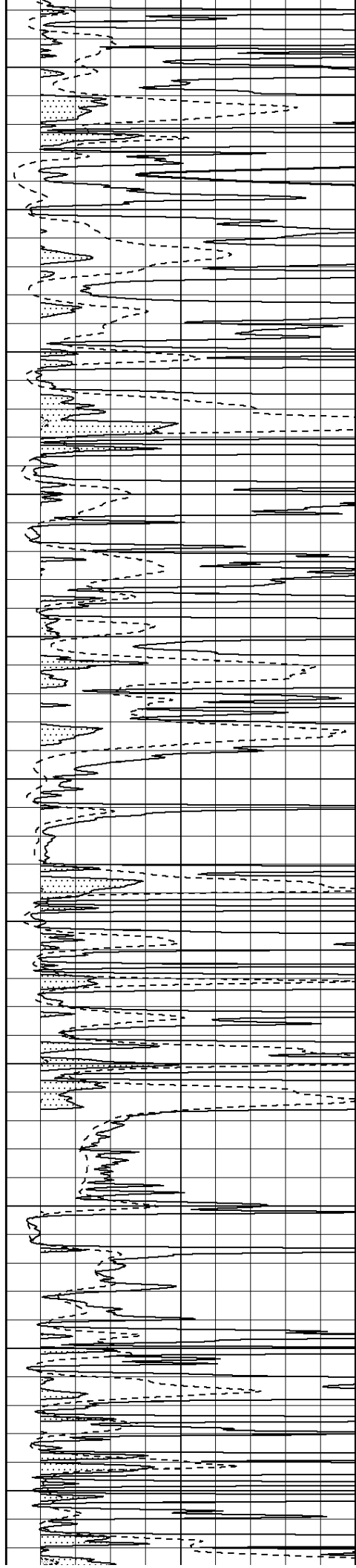
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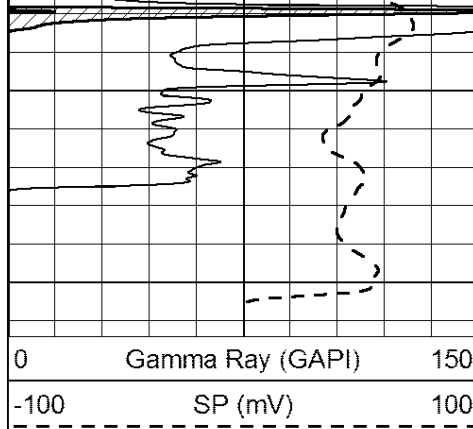
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4150

4200

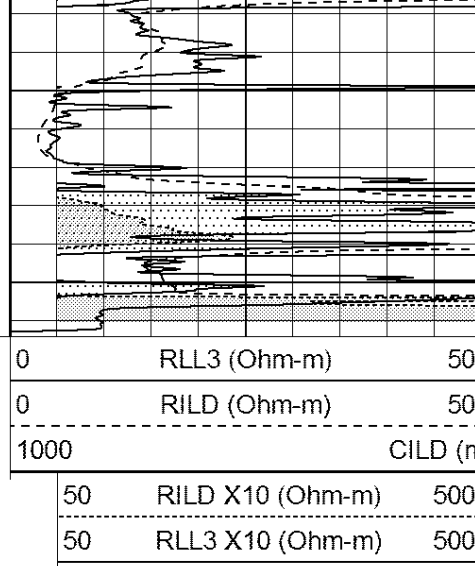
4250





4300

4350



CILD (mmho/m)

0

50 RILD X10 (Ohm-m) 500

50 RLL3 X10 (Ohm-m) 500

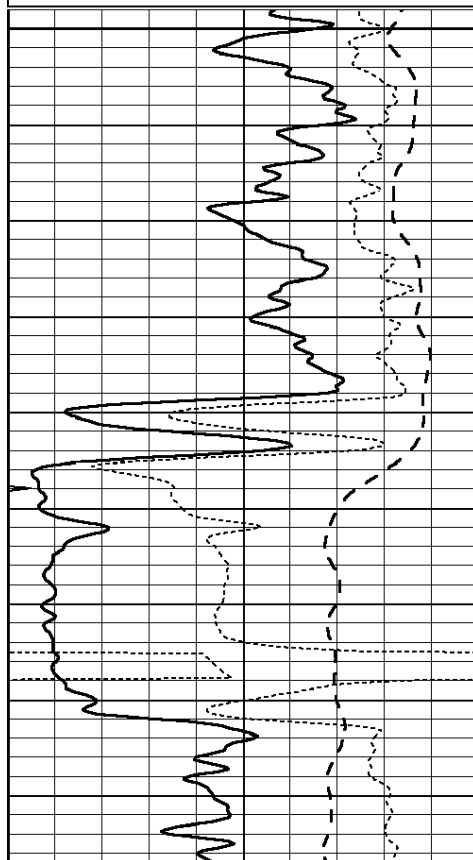
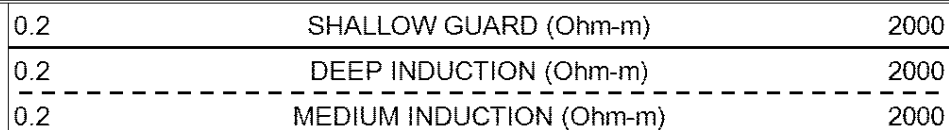
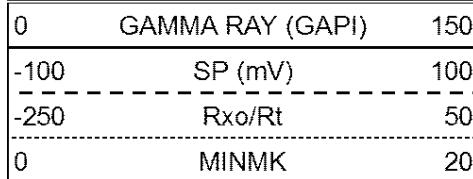


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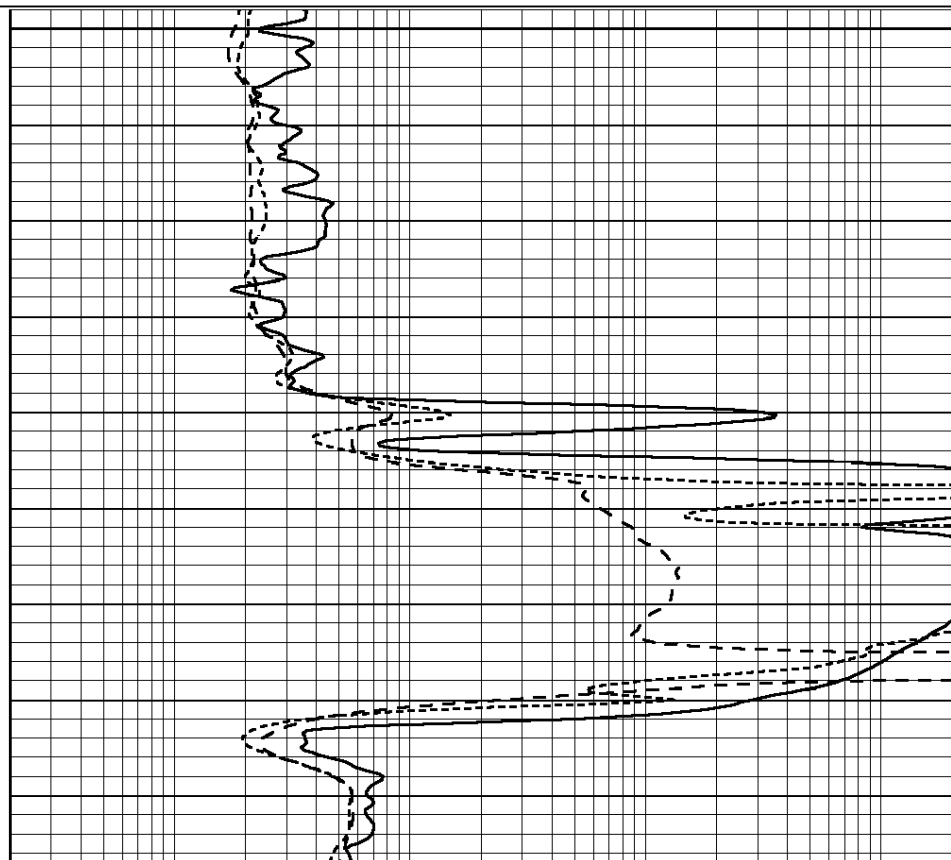
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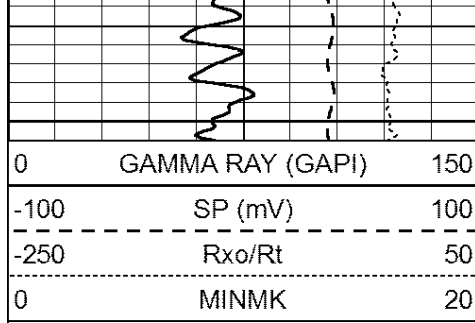
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Presentation Format: dil
Dataset Creation: Thu Jul 26 20:29:19 2012
Charted by: Depth in Feet scaled 1:240



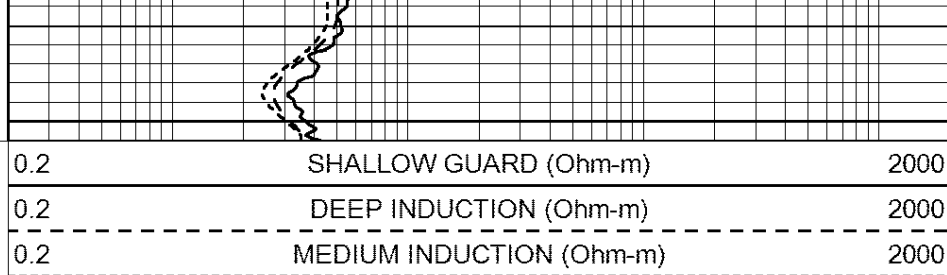
1950

2000





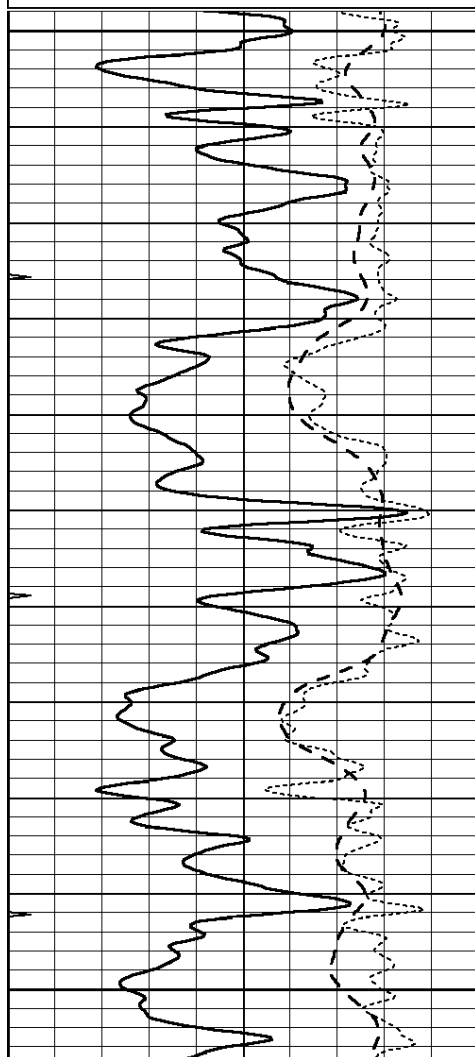
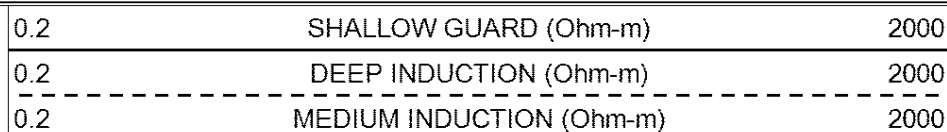
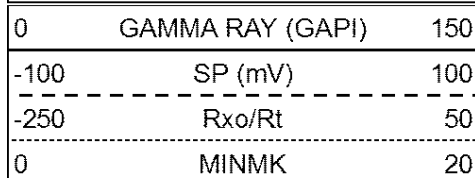
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MAIN SECTION

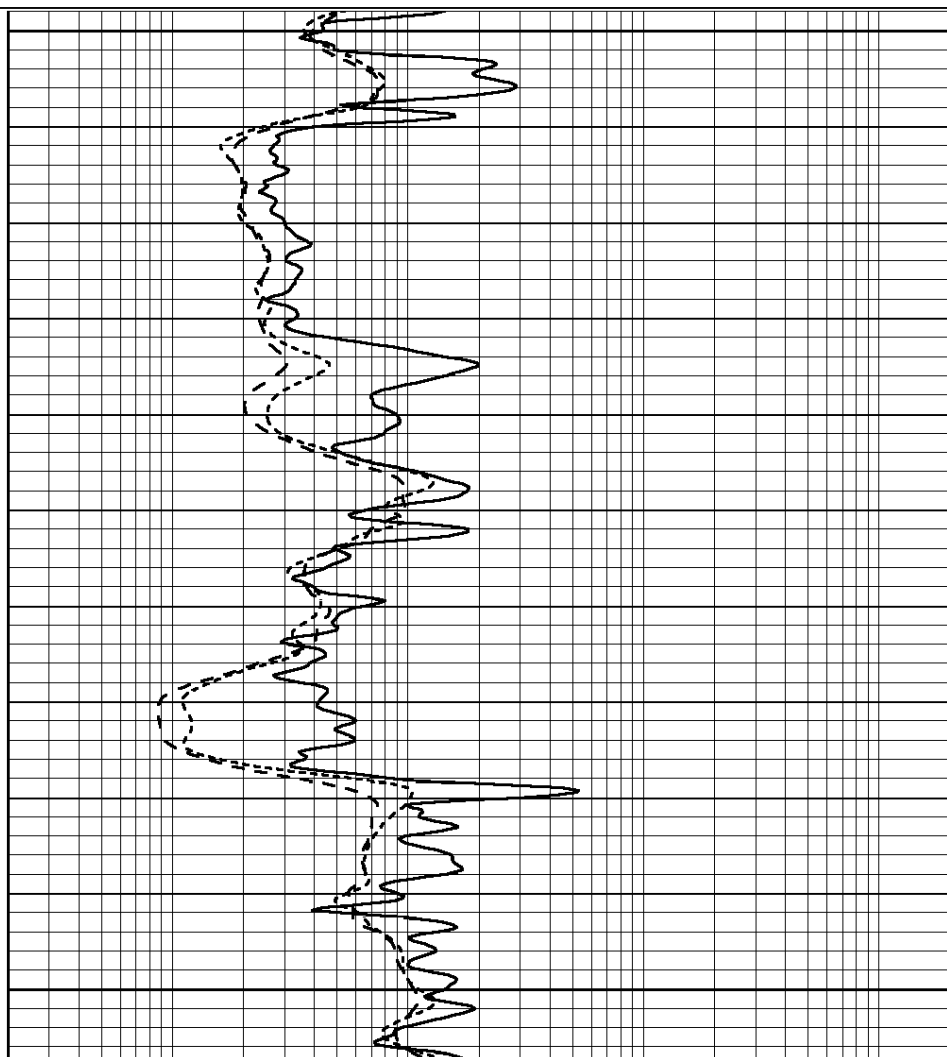
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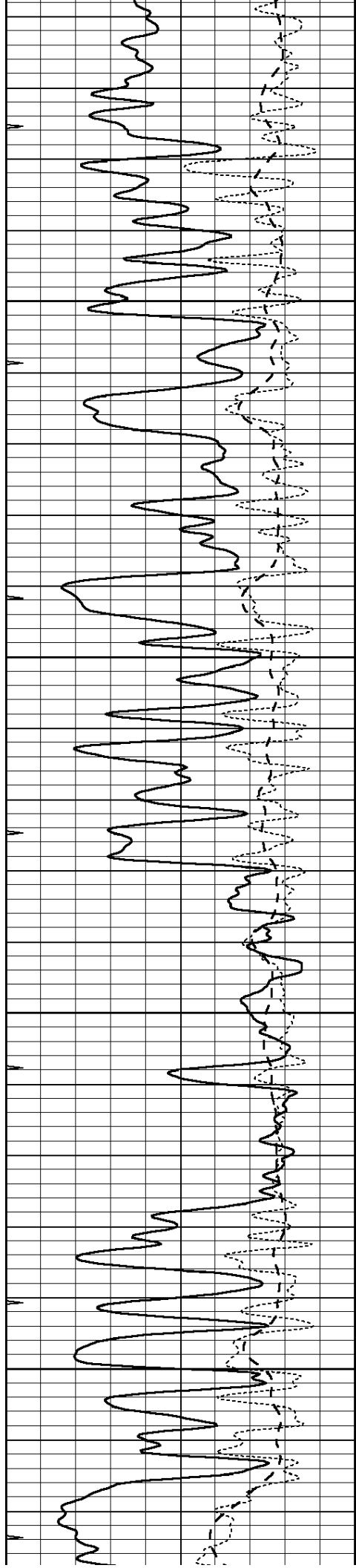


3000

3050

3100



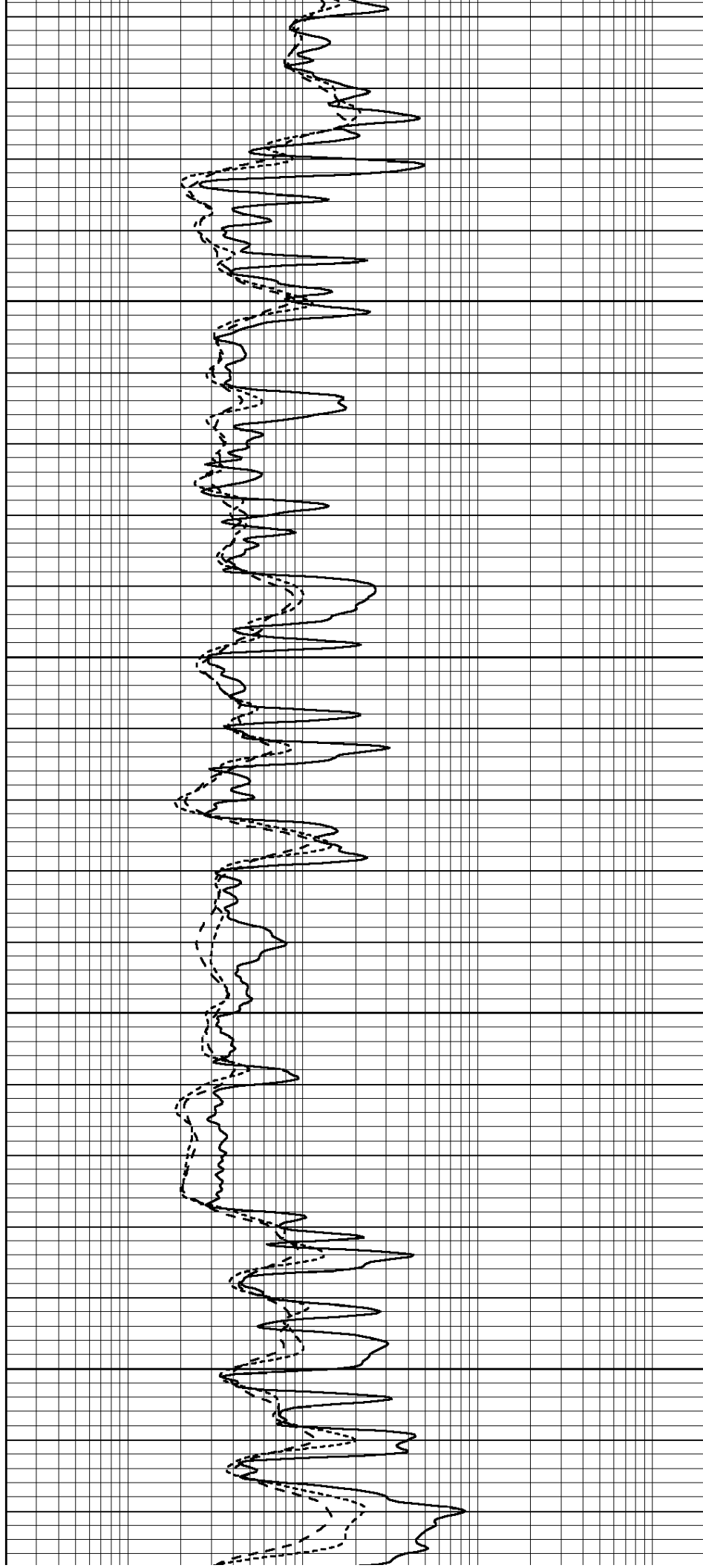


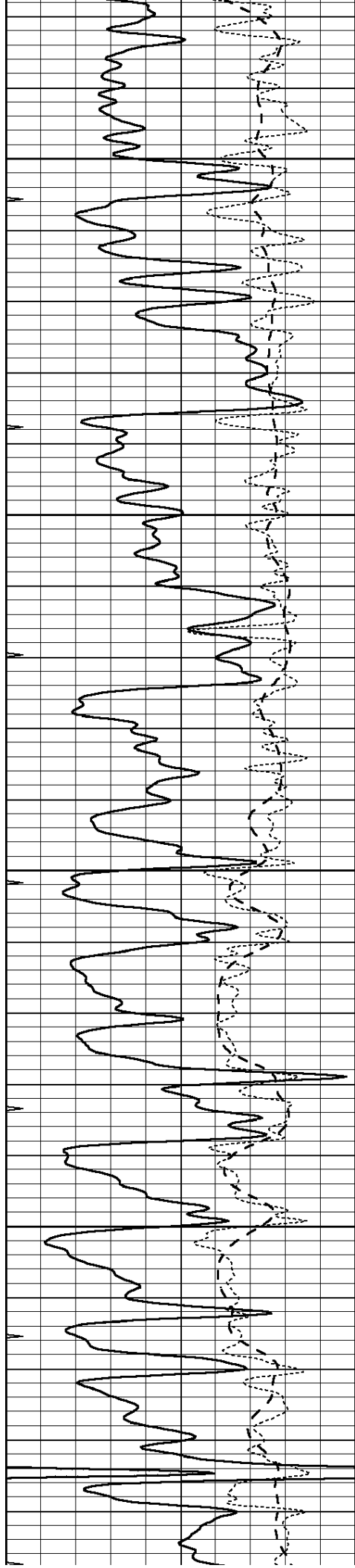
3150

3200

3250

3300



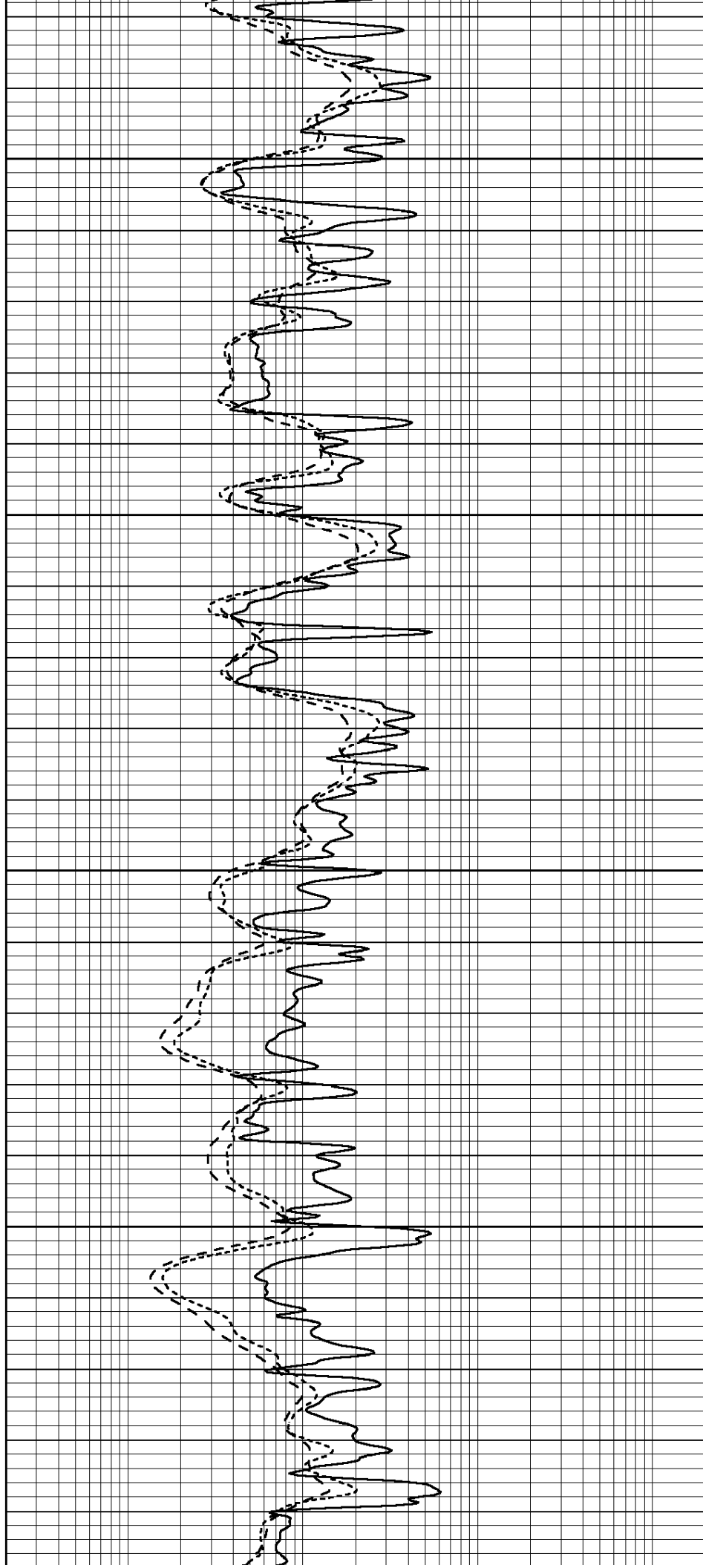


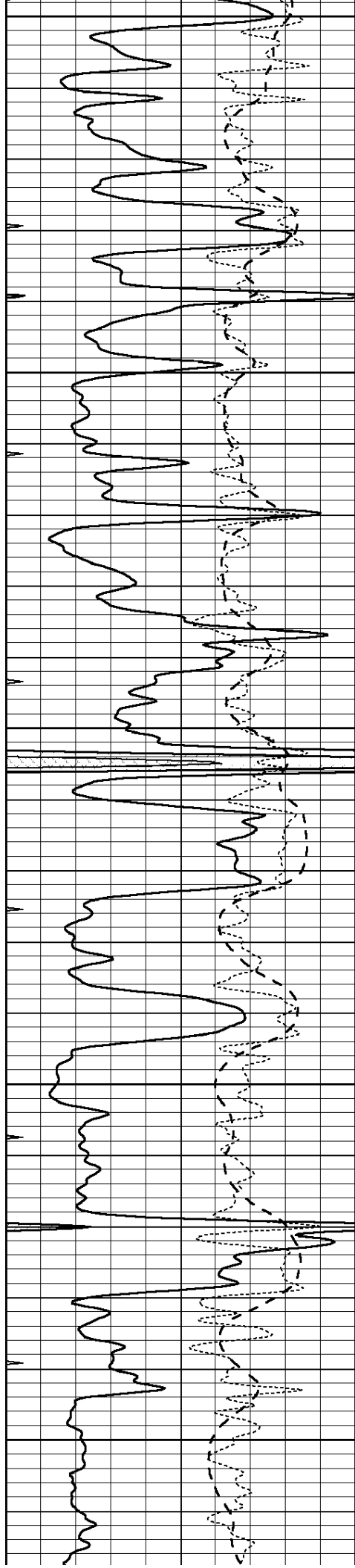
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3400

3450

3500





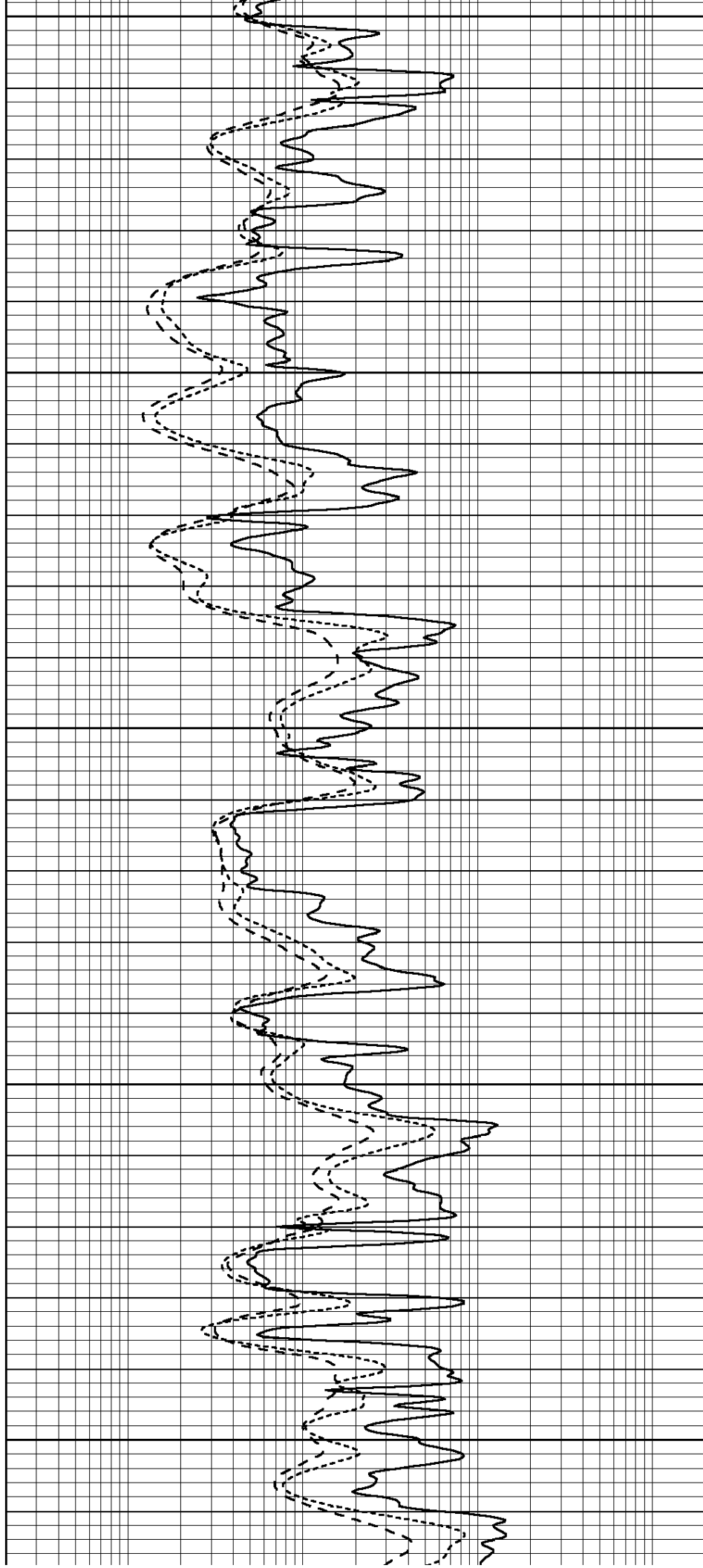
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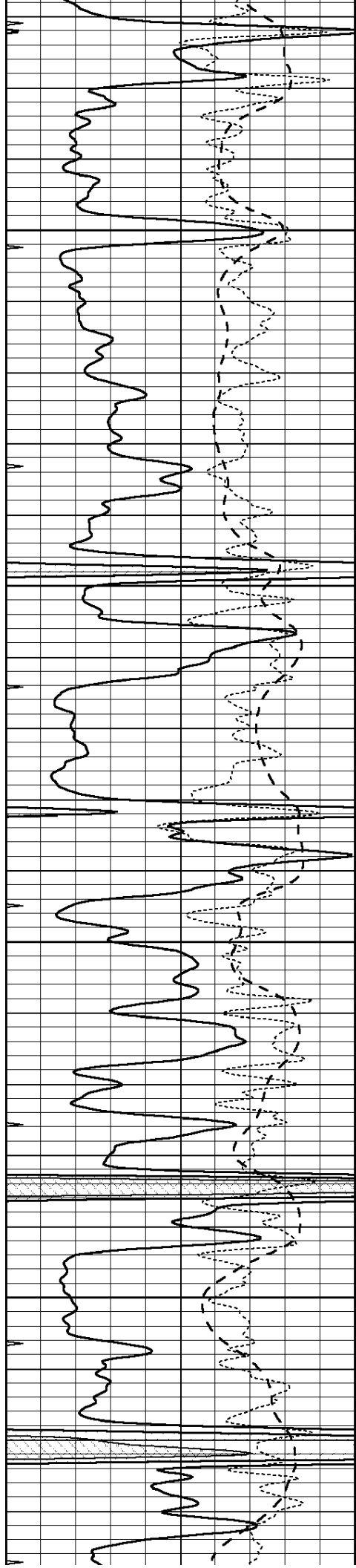
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3650

3700

3750



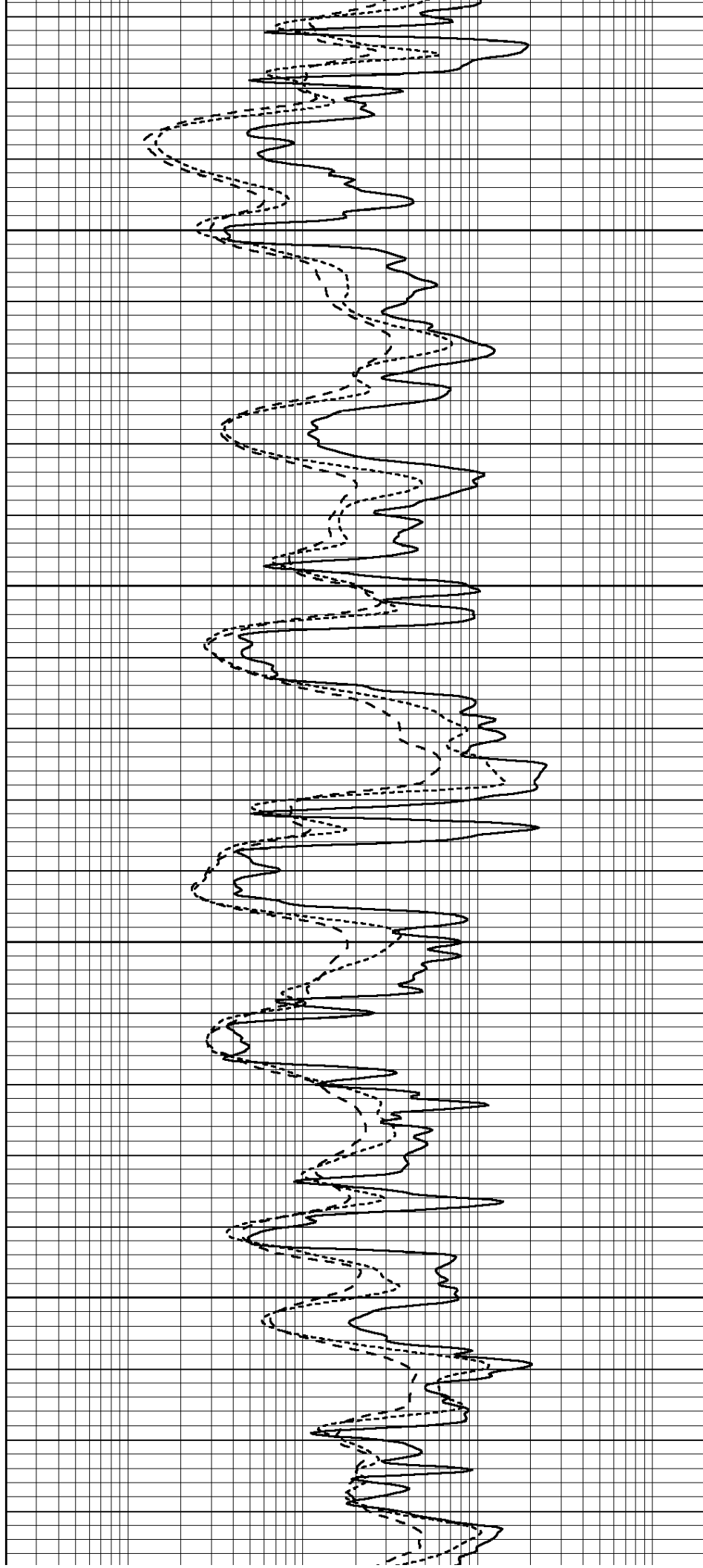


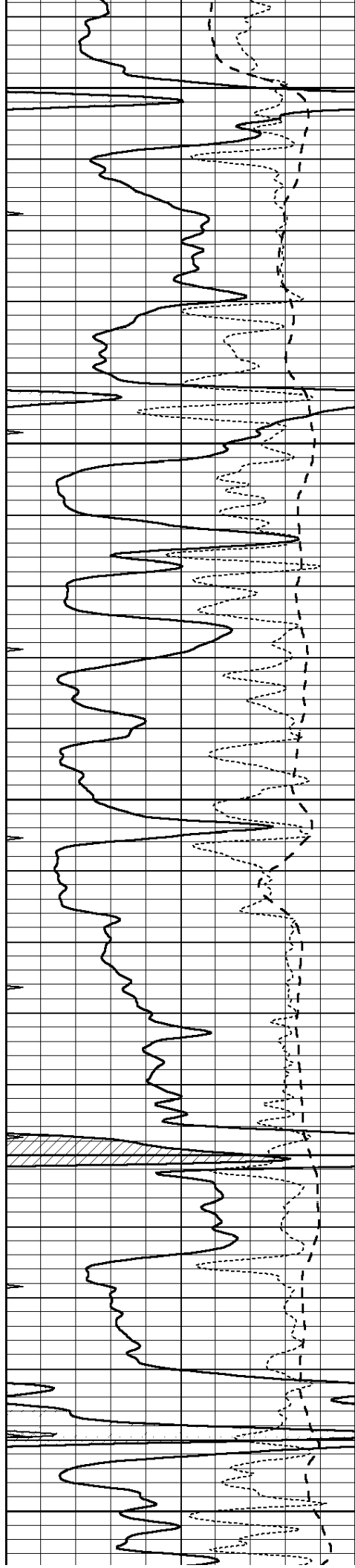
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3850

3900

3950





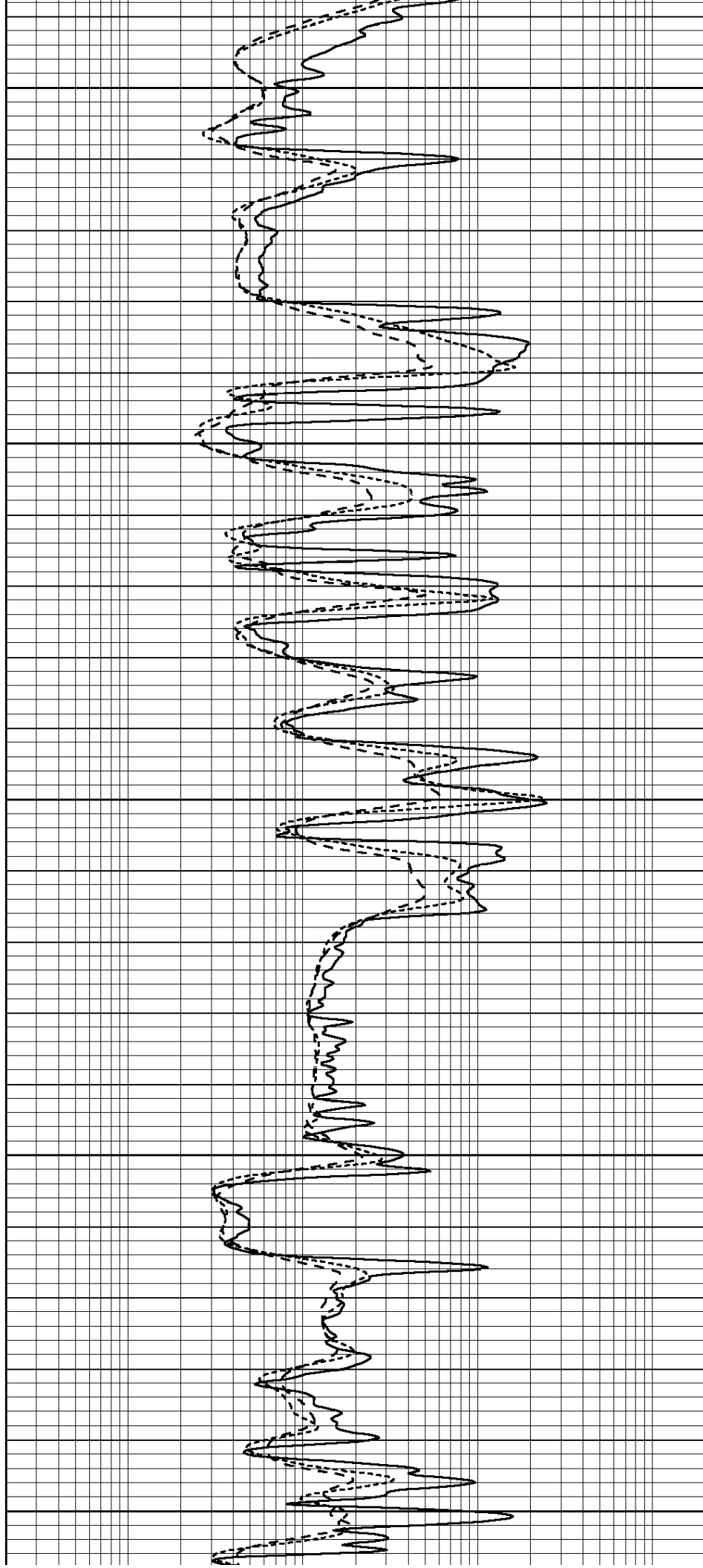
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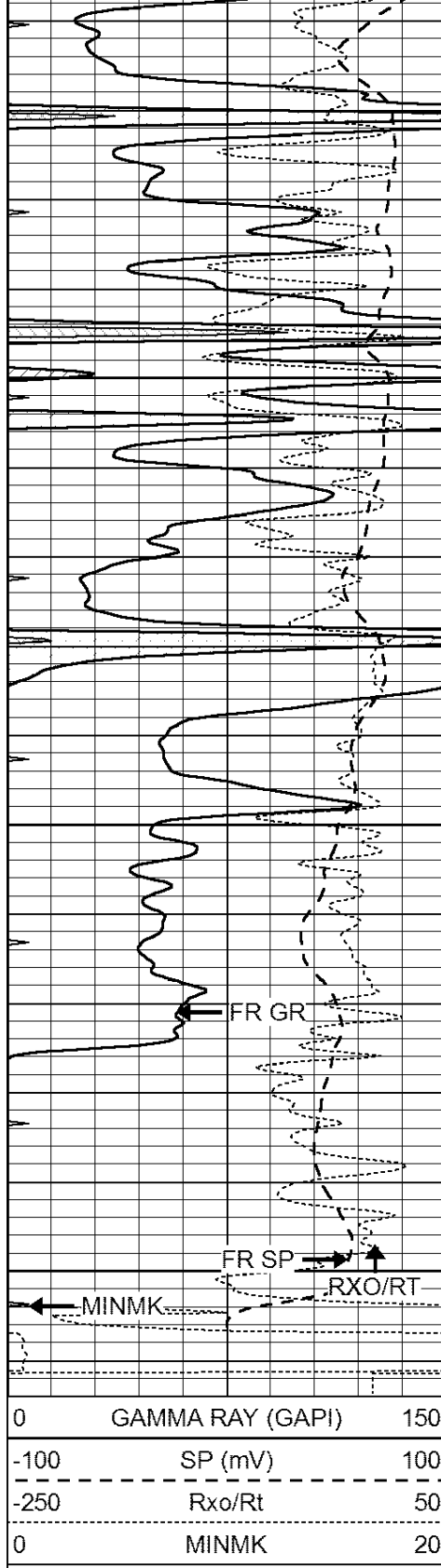
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4100

4150

4200



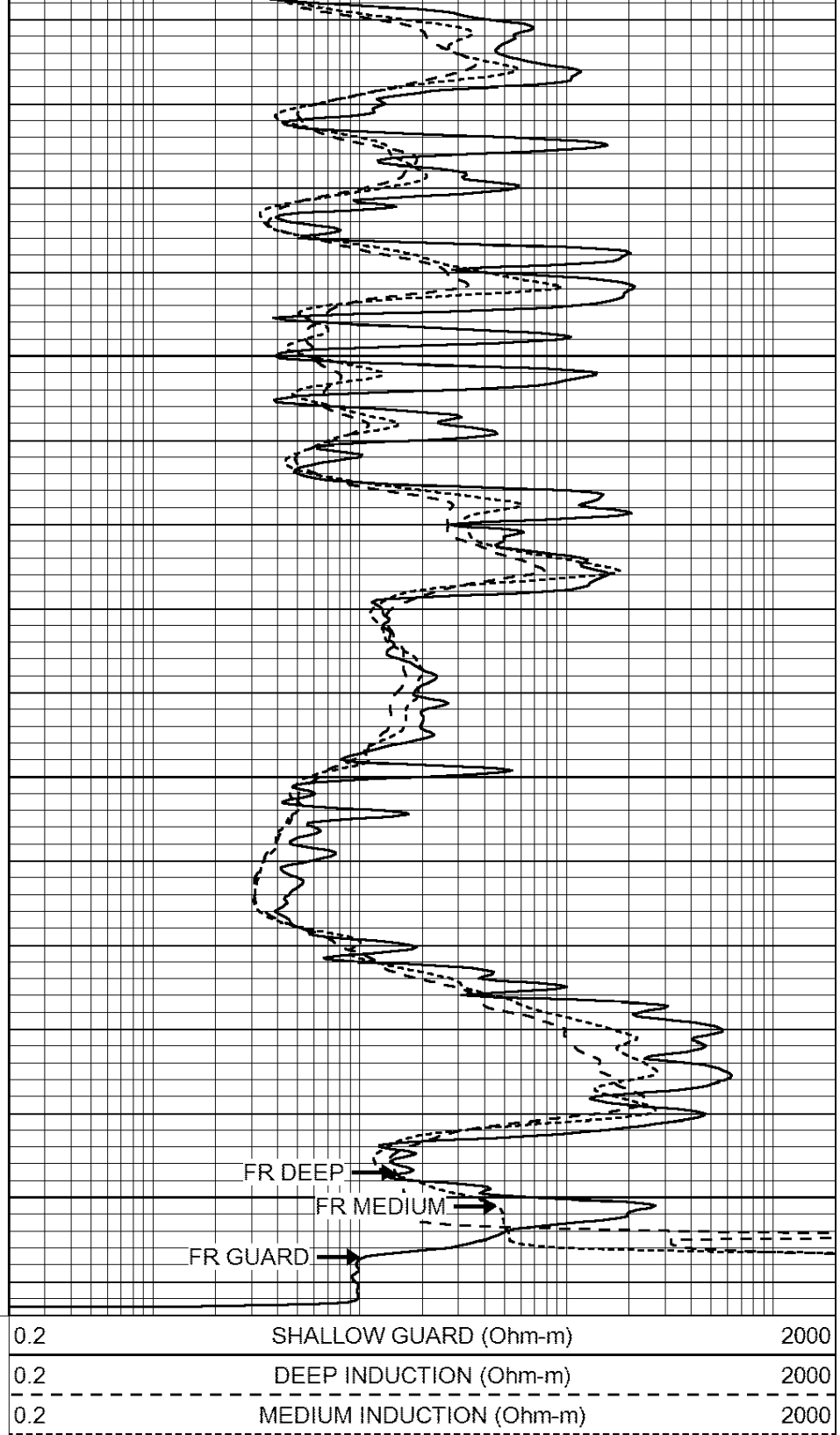


4250

4300

4350

LTD 4359



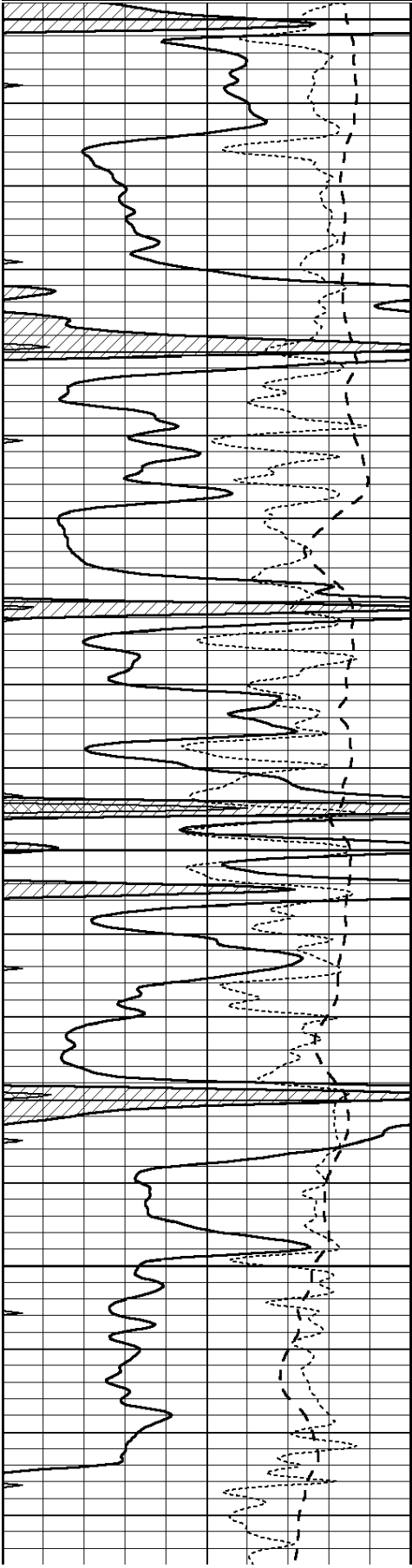
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REPEAT SECTION

Database File: 409440ddn.db
 Dataset Pathname: pass2.2
 Presentation Format: dil
 Dataset Creation: Thu Jul 26 20:24:37 2012 by Calc Open-Caseid 110302

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20

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

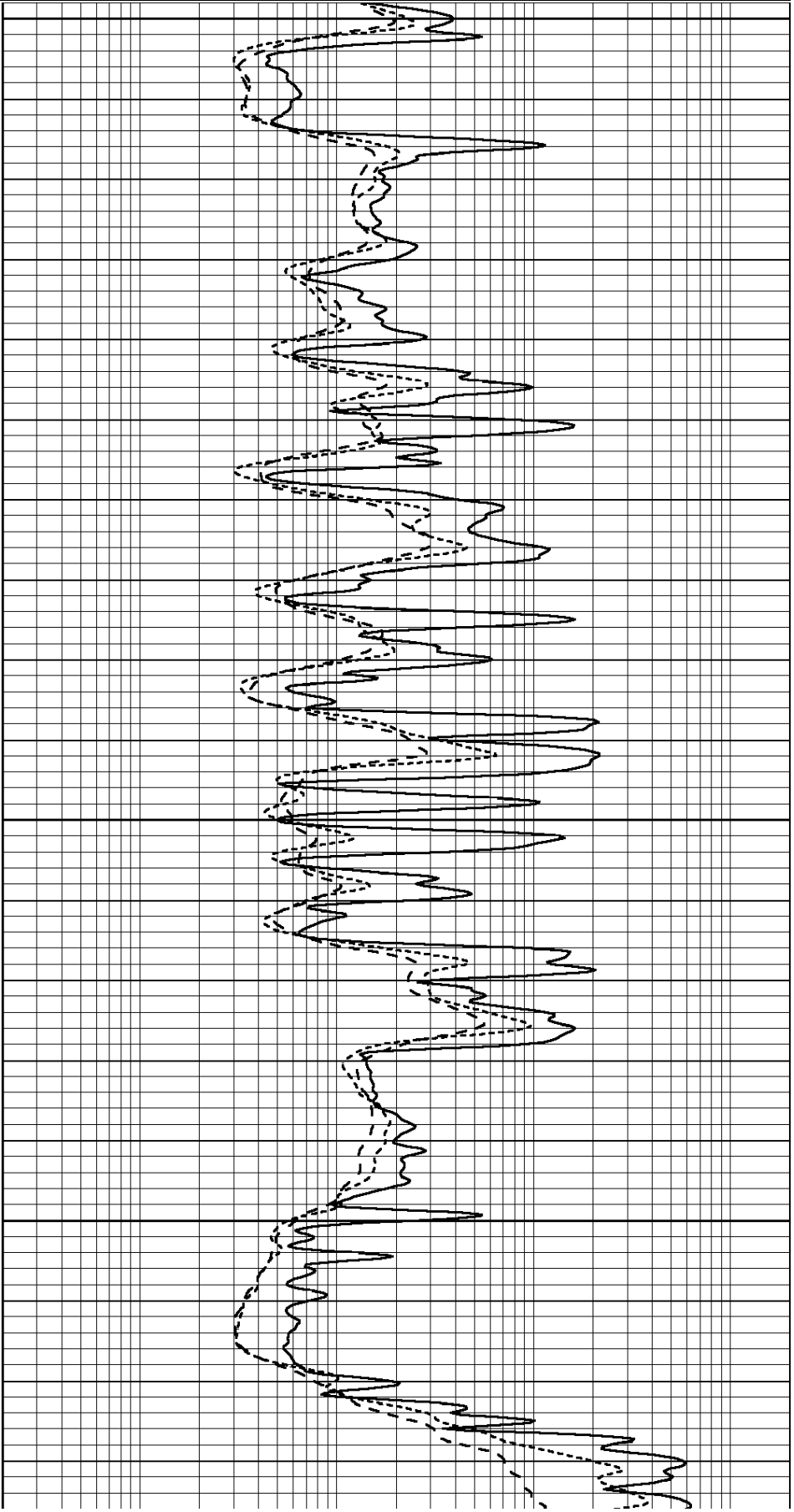


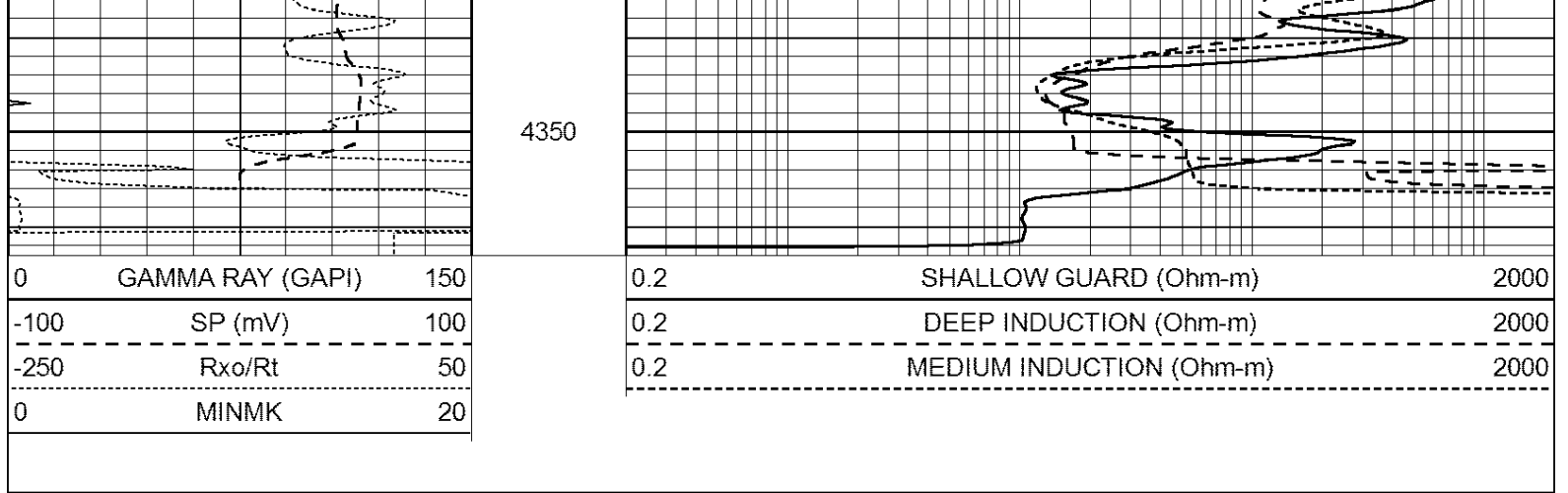
4150

4200

4250

4300





Calibration Report	
Database File:	409440ddn.db
Dataset Pathname:	pass3.8
Dataset Creation:	Thu Jul 26 20:29:06 2012

Dual Induction Calibration Report	
Serial-Model:	DIL4-GEAR
Performed:	Thu Jul 26 17:34:42 2012

Readings				References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.008	0.666	V	0.000	400.000	mmho/m	570.000	-3.000
Medium	-0.003	0.769	V	0.000	462.500	mmho/m	560.000	-6.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.013	0.651	V	0.000	400.000	mmho/m	627.541	-8.365
Medium	0.020	0.754	V	0.000	462.500	mmho/m	630.311	-12.549

Litho Density Calibration Report	
Serial: 003N	Model: PRB
Performed Tue Sep 08 14:14:44 2009	

Litho Density Calibration					
	Background	Magnesium	Aluminum	Sandstone	
Window 1	2042.6	12312.8	4225.8	13758.4	cps
Window 2	1855.8	10134.7	3624.2	11113.1	cps
Window 3	1639.4	6760.2	2716.3	7260.3	cps
Window 4	466.4	469.2	466.1	476.5	cps
Long Space	0.0	8278.9	1768.4	9257.4	cps
Short Space	2.2	2377.3	1544.1	2574.2	cps
Rho		1.7100	2.5900	1.3800	g/cc
Pe			2.5700	1.5500	
Rib Angle	: 44.4	Rib Slope	: 0.979	Density/Spine Ratio	: 0.549
Spine Angle	: 74.4	Spine Slope	: 3.577	Spine Intercept	: -18.8

Caliper		
Low Ref	Readings	Reference
High Ref	3.4	7.8
	5.5	15.0
	Gain: 3.4	Offset: -3.6

Compensated Neutron Calibration Report
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		Serial Number: Tool Model:	070808 Probe
PRE-SURVEY VERIFICATION			
Detector	Readings	Measured	Target
Short Space	cps		
Long Space	cps	pu	pu
POST-SURVEY VERIFICATION			
Detector	Readings	Measured	Target
Short Space	cps		
Long Space	cps	pu	pu
Gamma Ray Calibration Report			
Serial Number:	070559		
Tool Model:	OPEN_GR		
Performed:	Thu Jul 26 17:34:29 2012		
Calibrator Value:	1.0	GAPI	
Background Reading:	0.0	cps	
Calibrator Reading:	1.0	cps	
Sensitivity:	0.3000	GAPI/cps	