



DUAL INDUCTION LOG

Company	TRANS PACIFIC OIL CORPORATION		
Well	MCMANNIS B UNIT #1-34		
Field	WILDCAT		
County	PRATT	State	KANSAS
Location:	API # : 15-151-22462-00-00		Other Services
	105' FSL & 840' FWL		CDL/CNL MEL/SONIC
Permanent Datum	SEC 34 TWP 26S RGE 15W	Elevation	
Log Measured From	GROUND LEVEL	2055	K.B. 2066
Drilling Measured From	KELLY BUSHING 11' A.G.L.		D.F. 2053
	KELLY BUSHING		G.L. 2055
Date	06/09/17		
Run Number	ONE		
Depth Driller	4530		
Depth Logger	4531		
Bottom Logged Interval	4529		
Top Log Interval	00		
Casing Driller	8 5/8" @ 264		
Casing Logger	264		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 5000 PPM	
Density / Viscosity	9.1/55		
pH / Fluid Loss	10.0/9.6		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.7@82		
Rmt @ Meas. Temp	.52@82		
Rmc @ Meas. Temp	.84@82		
Source of Rmt / Rmc	MEASURED		
Rm @ BHT	.47@120		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	///		
Maximum Recorded Temperature	120F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	GUS PFANENSTIEL		
Witnessed By	MAX LOVELY		

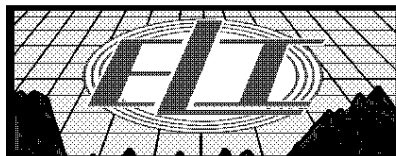
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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on 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 ELI WIRELINE, HAYS, KS. (785) 628-6395

DIRECTIONS
WEST OF PRATT TO BYERS RD. NORTH TO 50 RD.
3 WEST, 1 NORTH,
1 WEST.



MAIN PASS

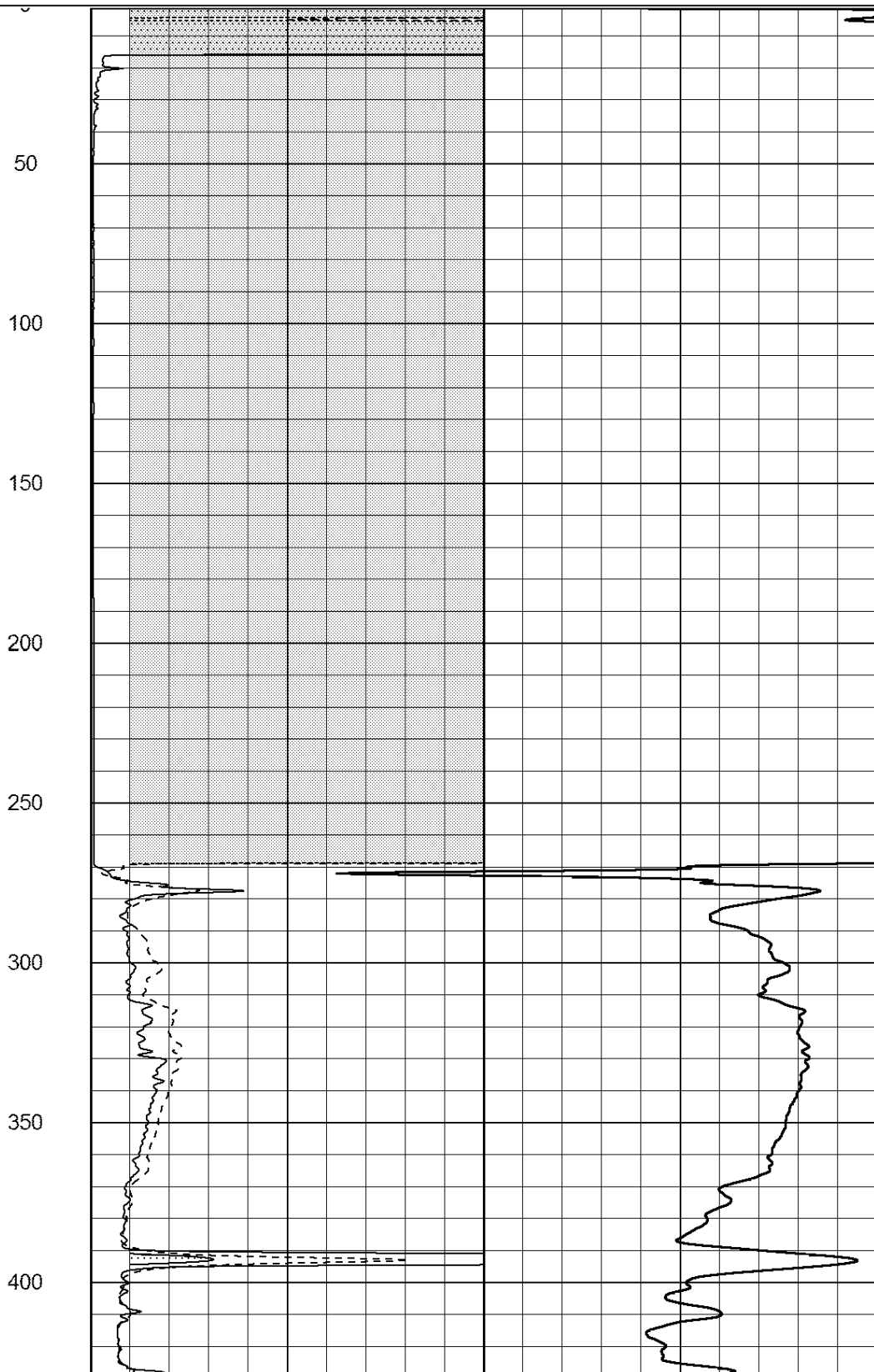
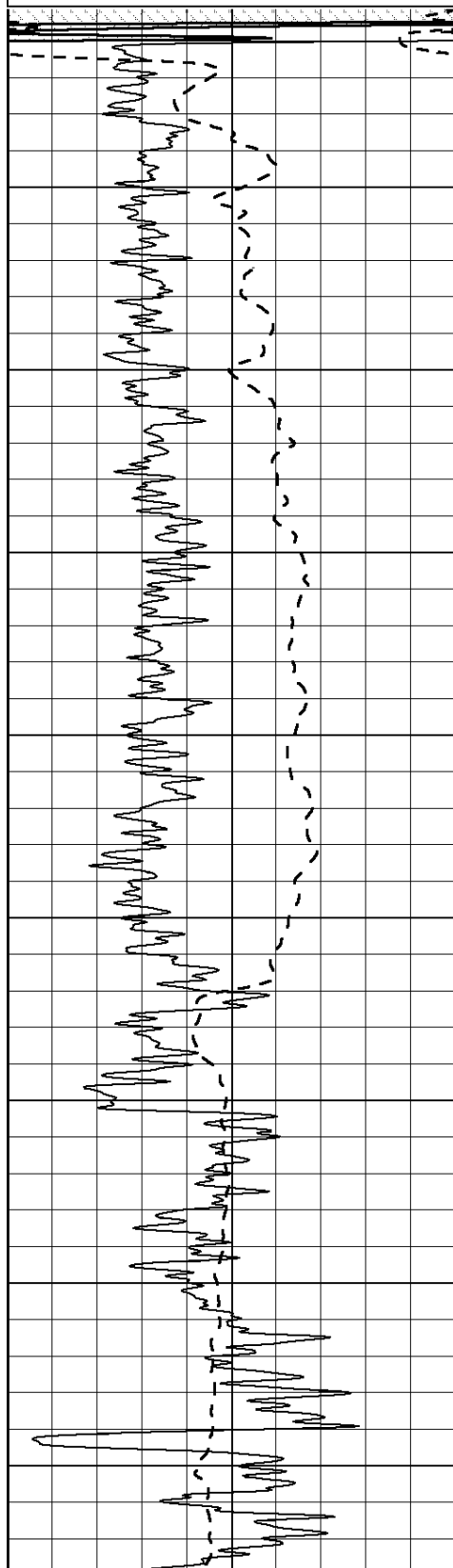
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Dataset Pathname: pass4.1
Presentation Format: _dil2
Dataset Creation: Sat Jun 10 00:55:48 2017 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:600

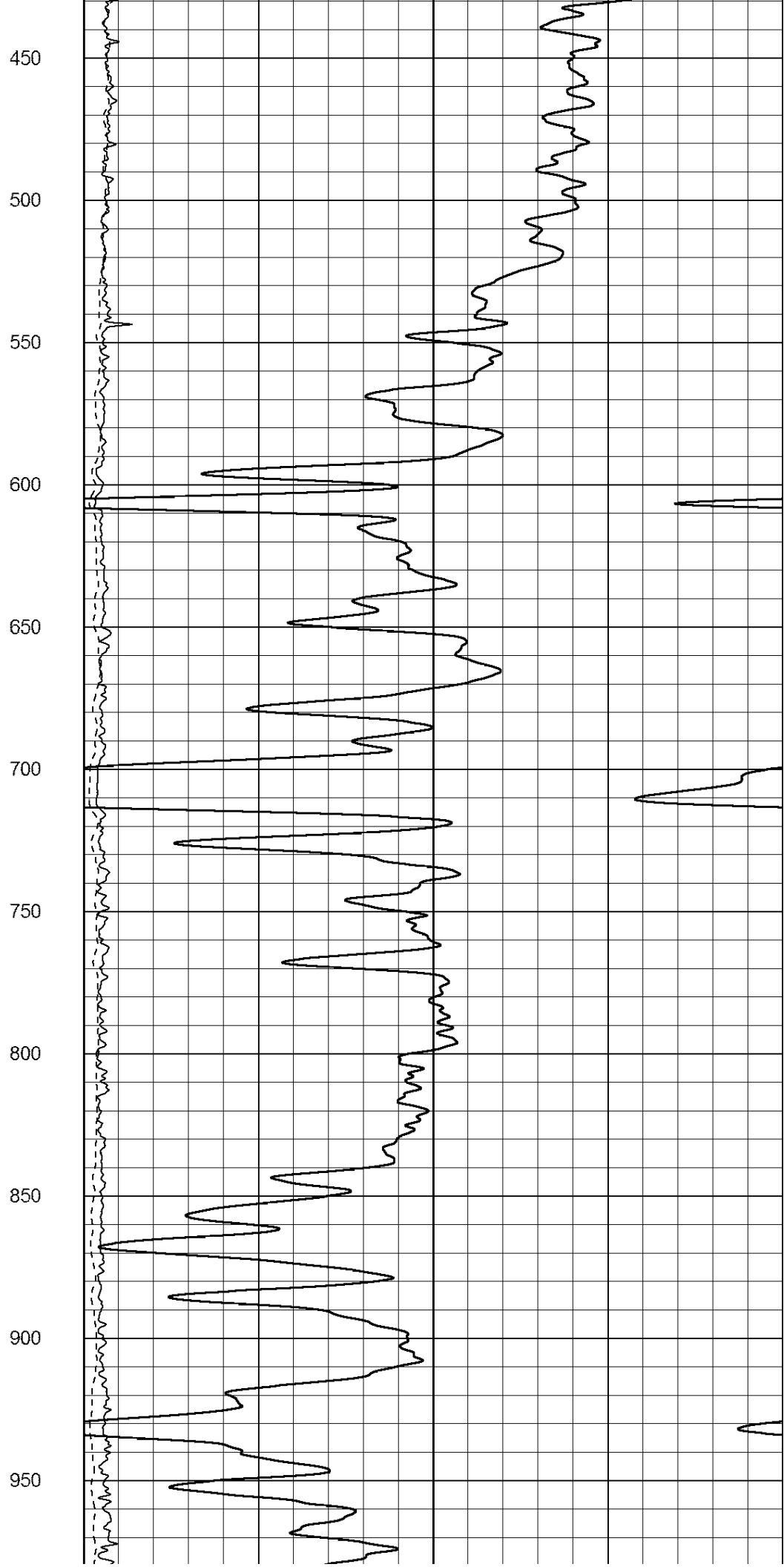
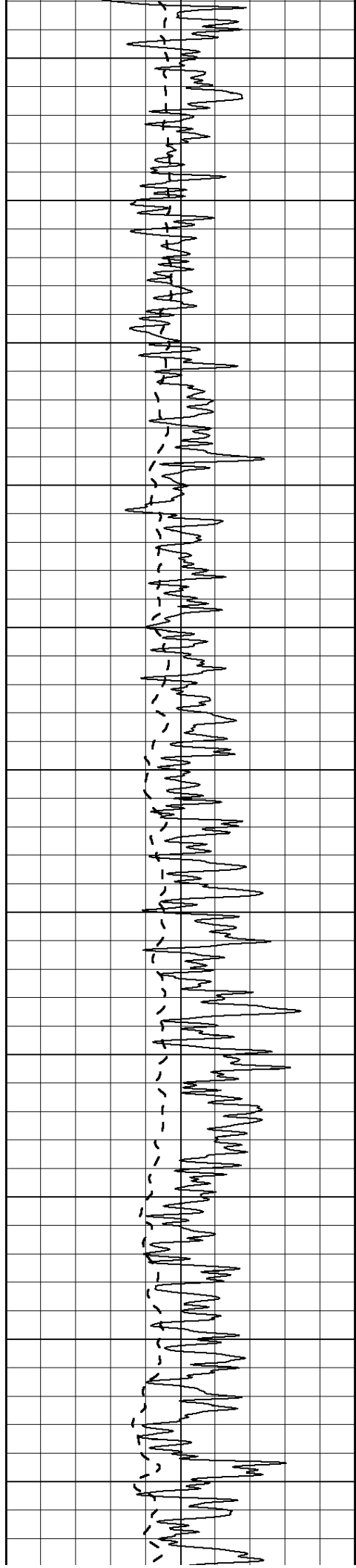
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-100	SP (mV)	100

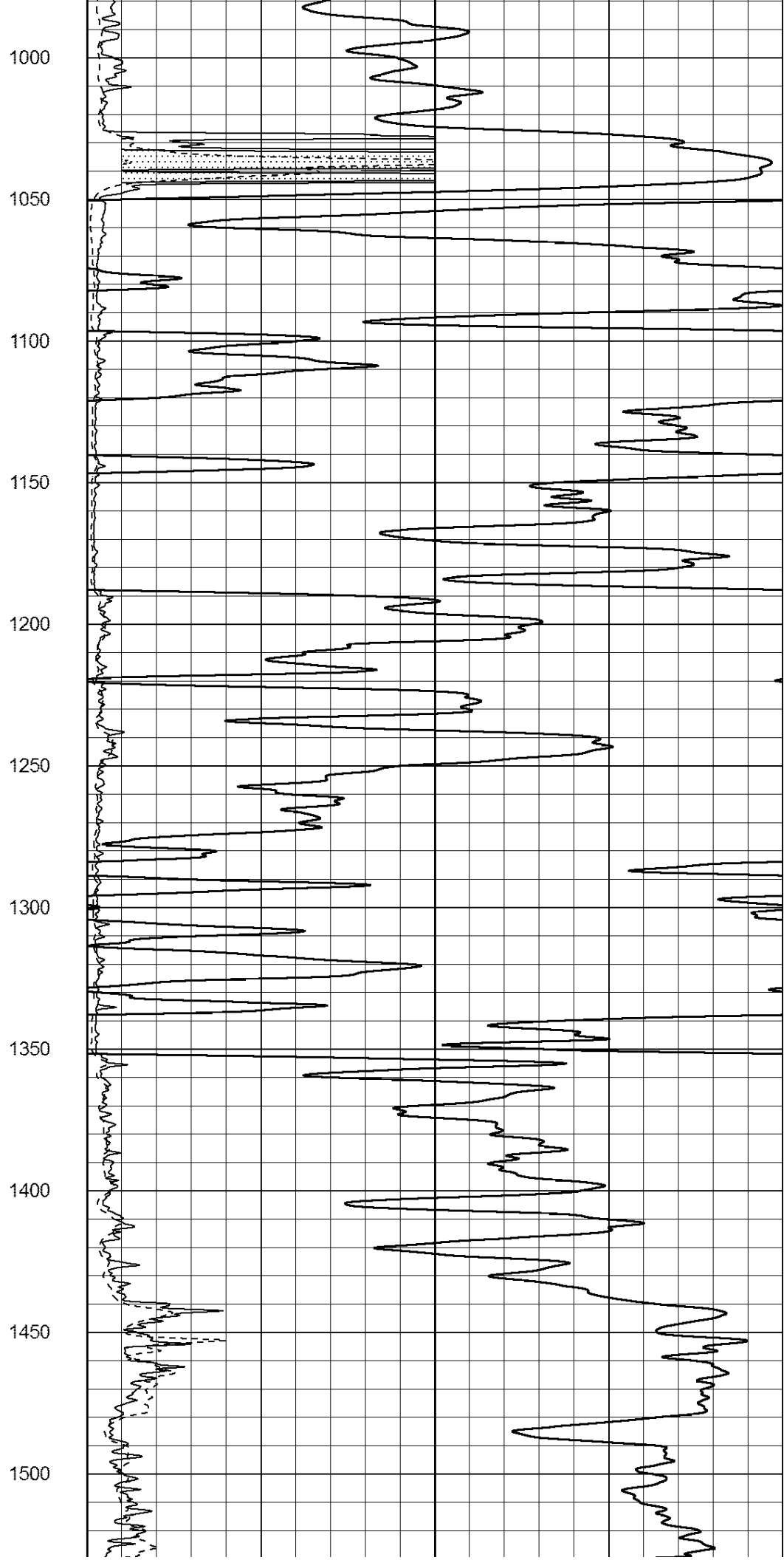
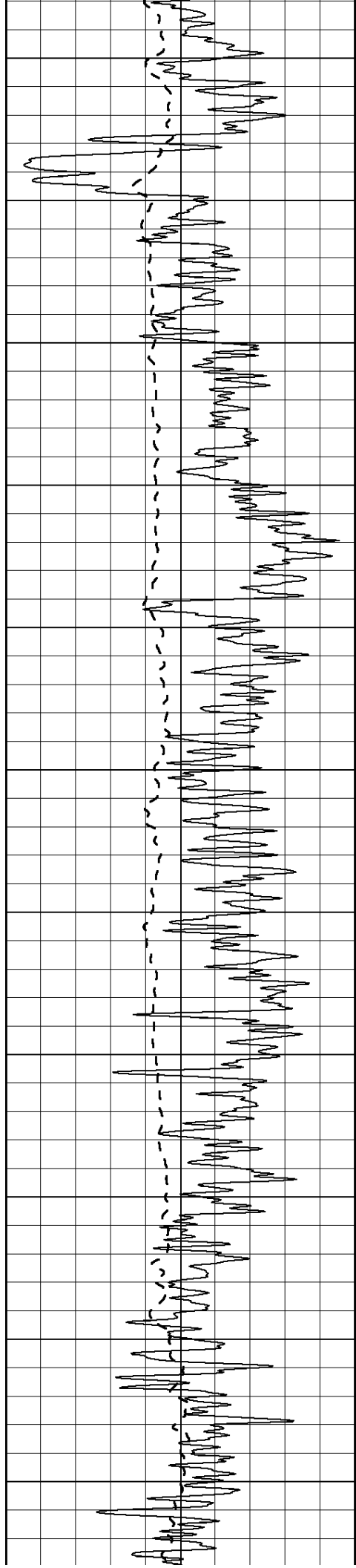
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0	RILD (Ohm-m)	50

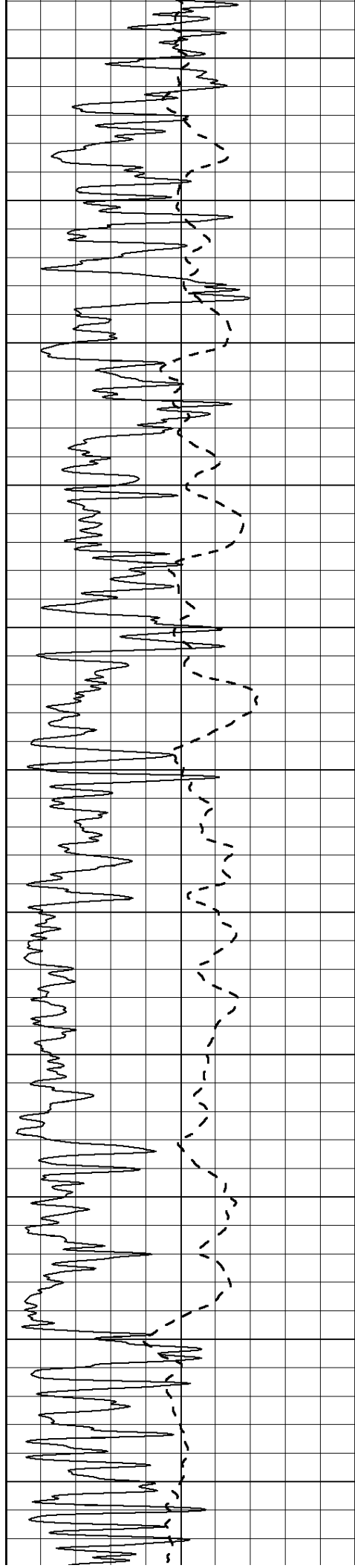
1000	CILD (mmho/m)	0
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50	RILD X10 (Ohm-m)	500
50	RLL3 X10 (Ohm-m)	500









1550

1600

1650

1700

1750

1800

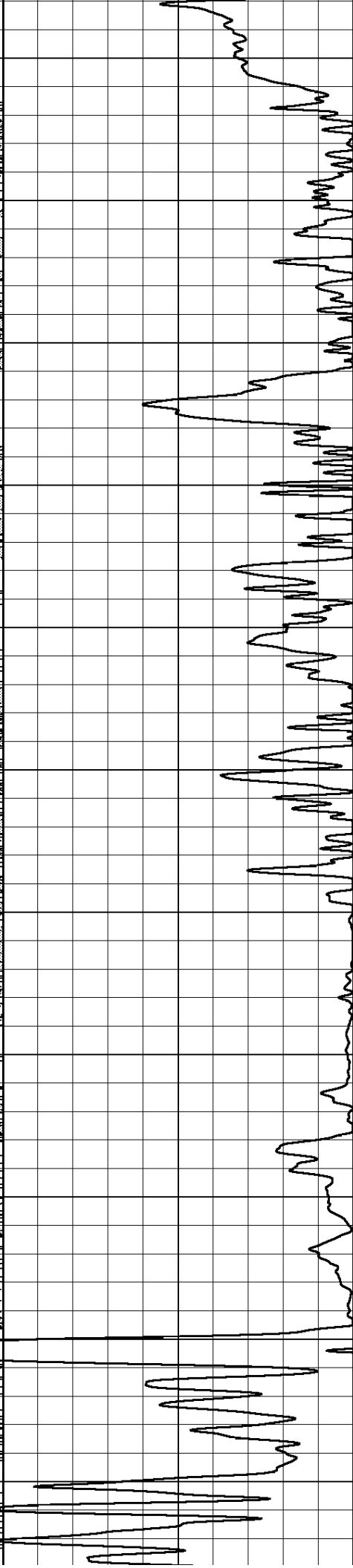
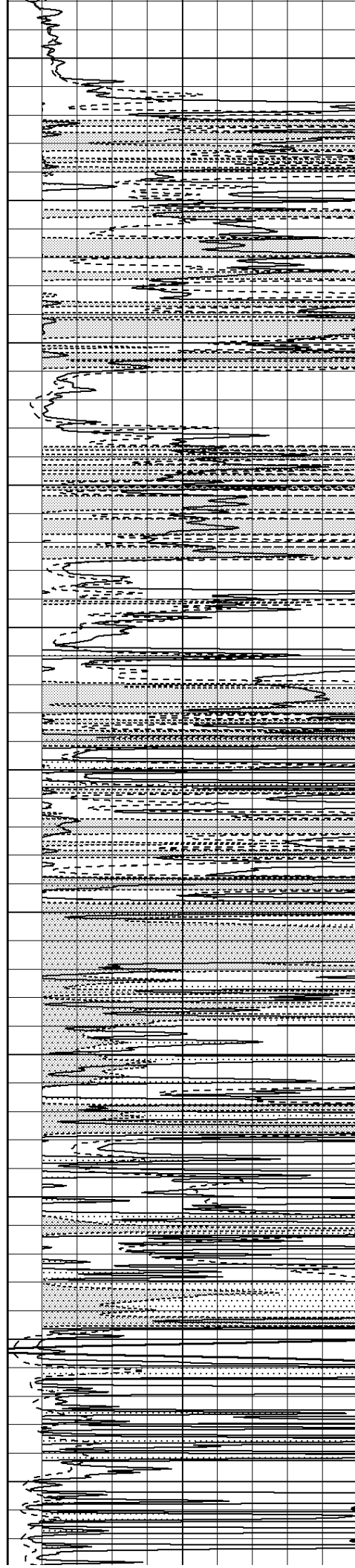
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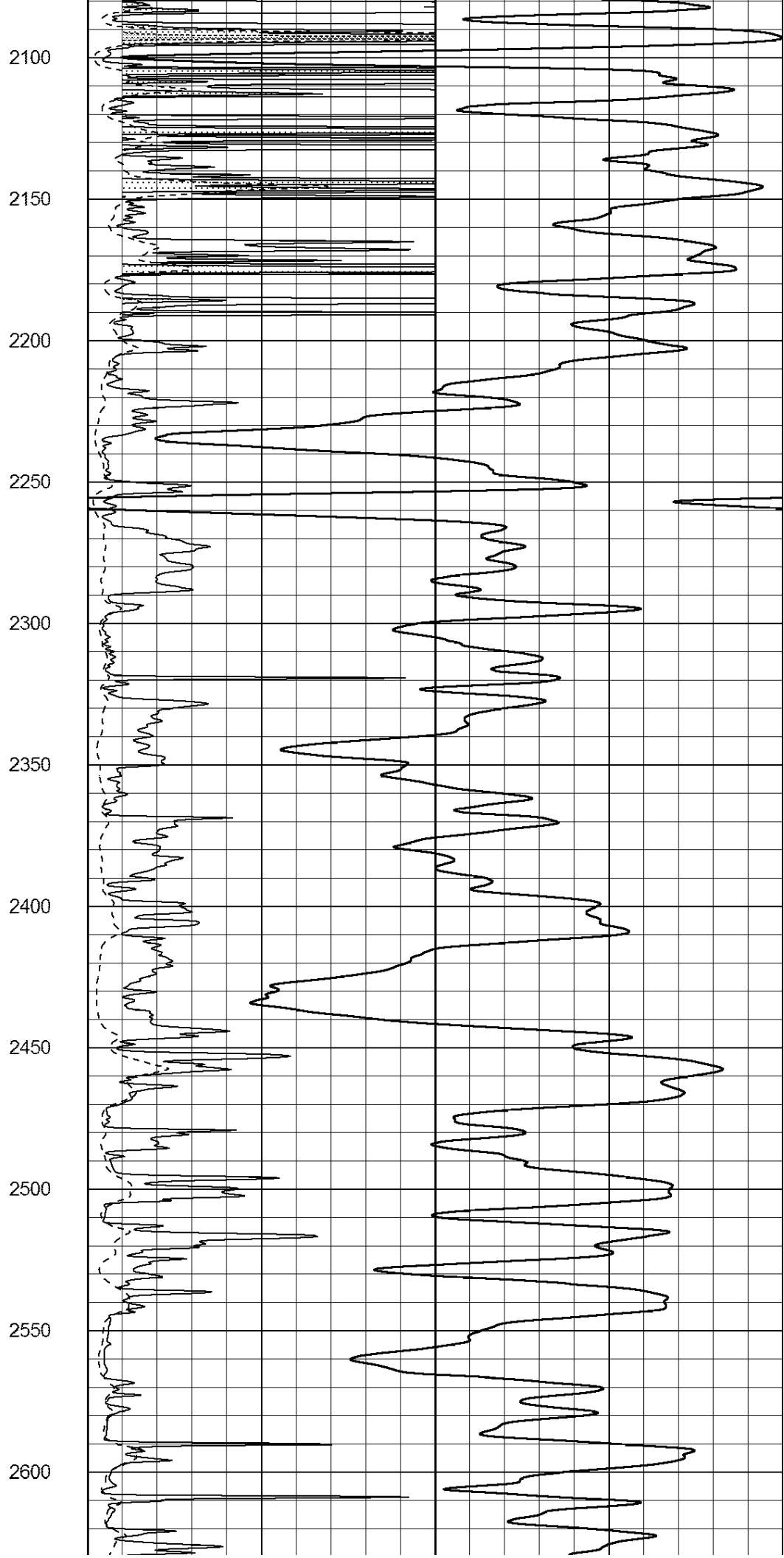
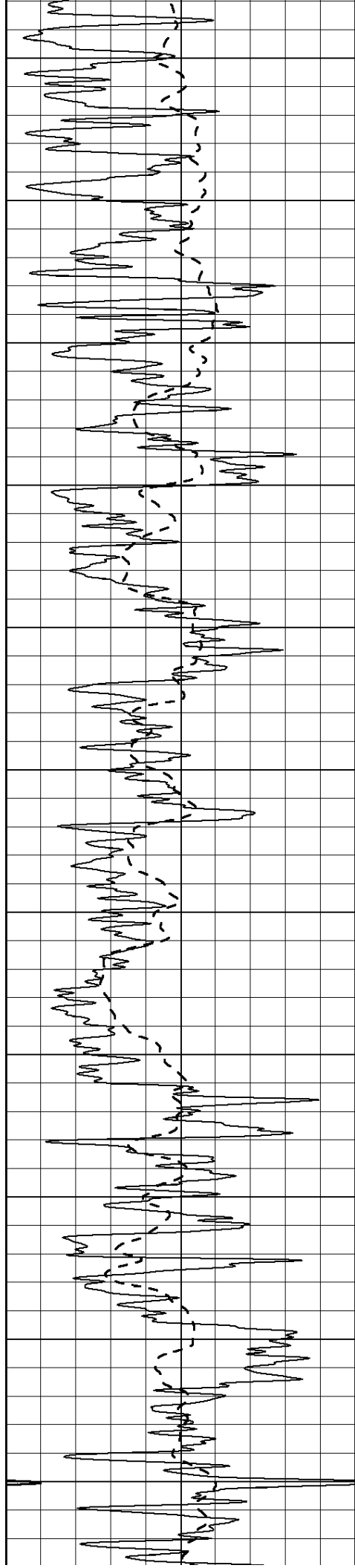
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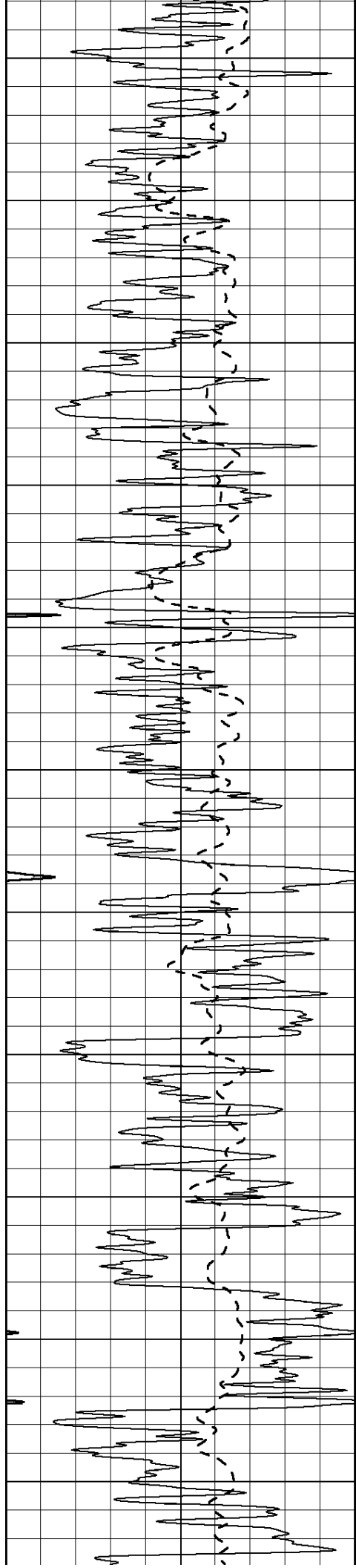
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2000

2050







2650

2700

2750

2800

2850

2900

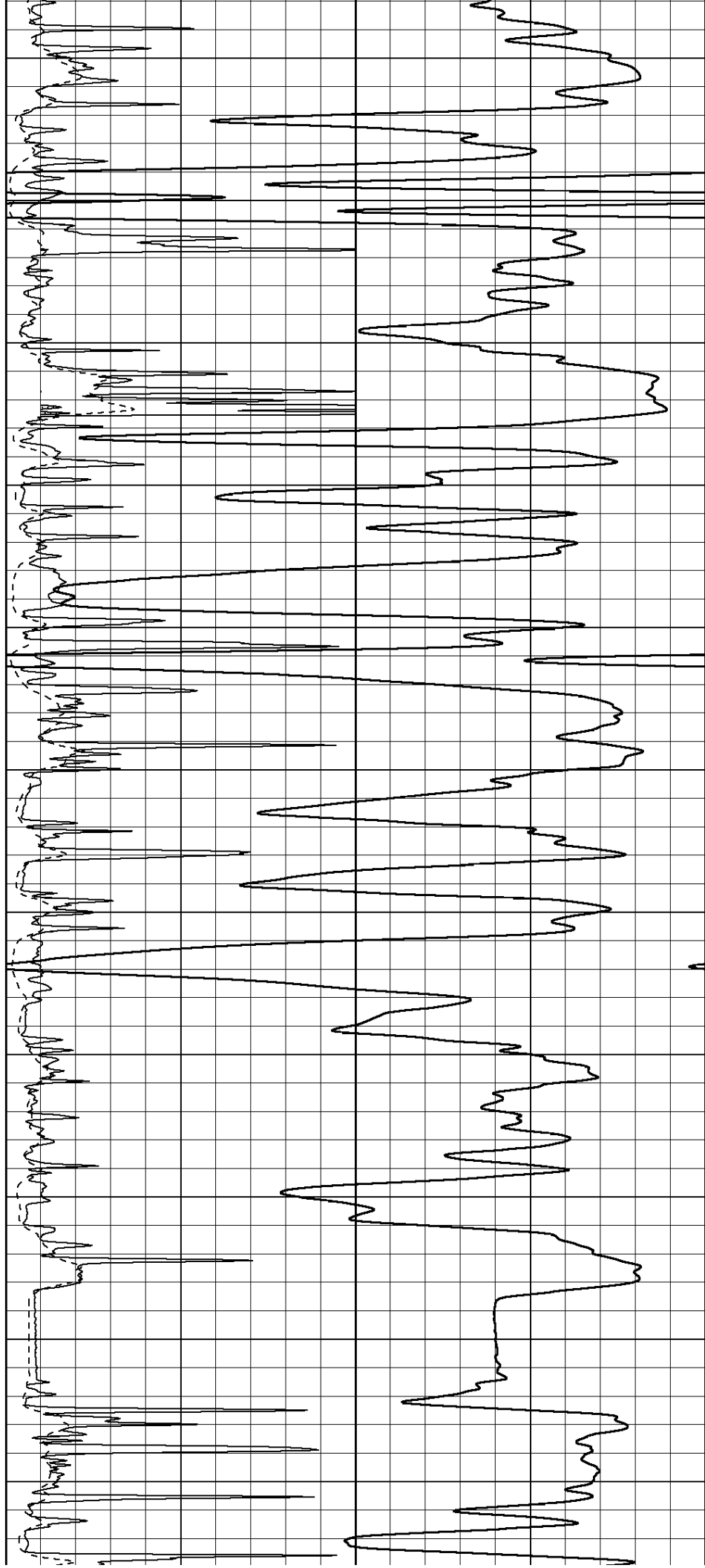
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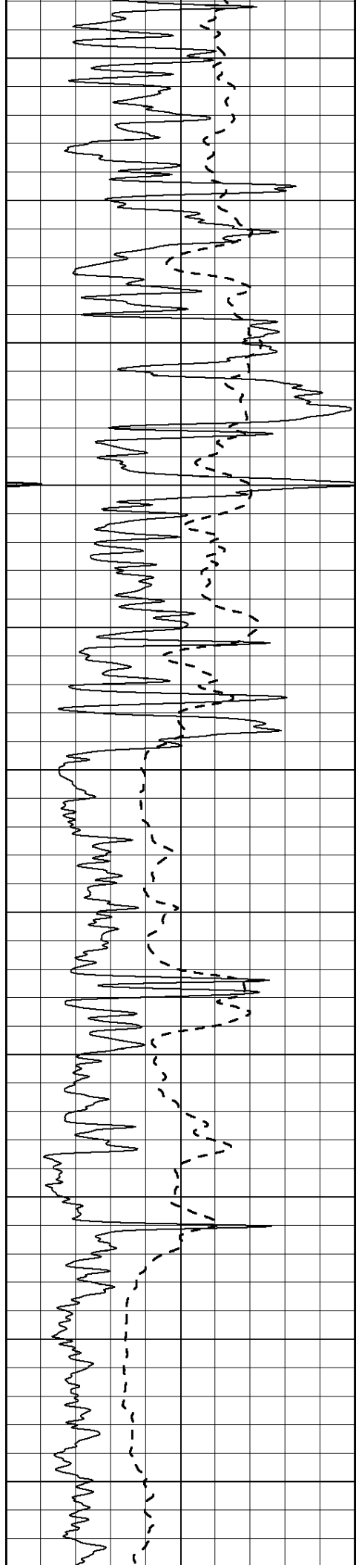
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3050

3100

3150





3200

3250

3300

3350

3400

3450

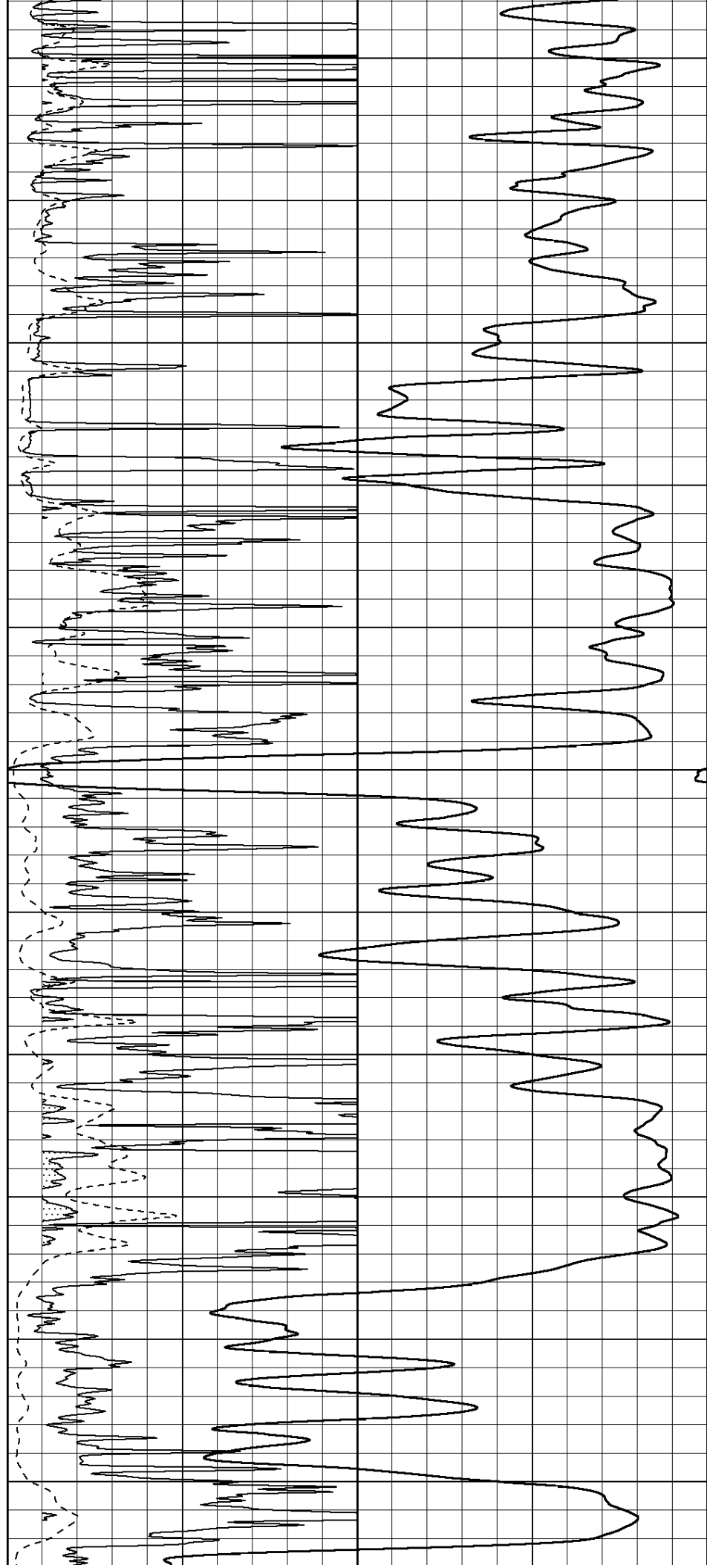
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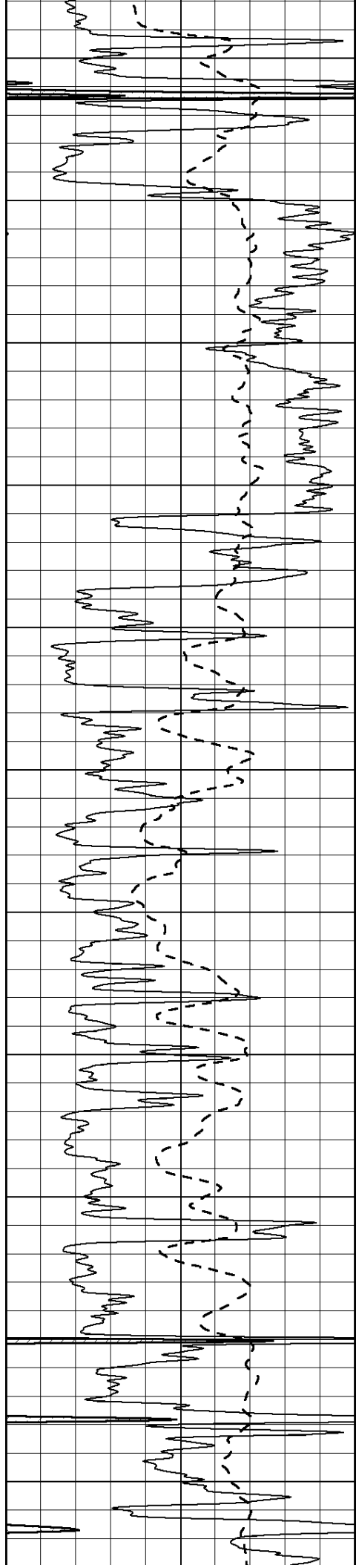
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3600

3650

3700





3750

3800

3850

3900

3950

4000

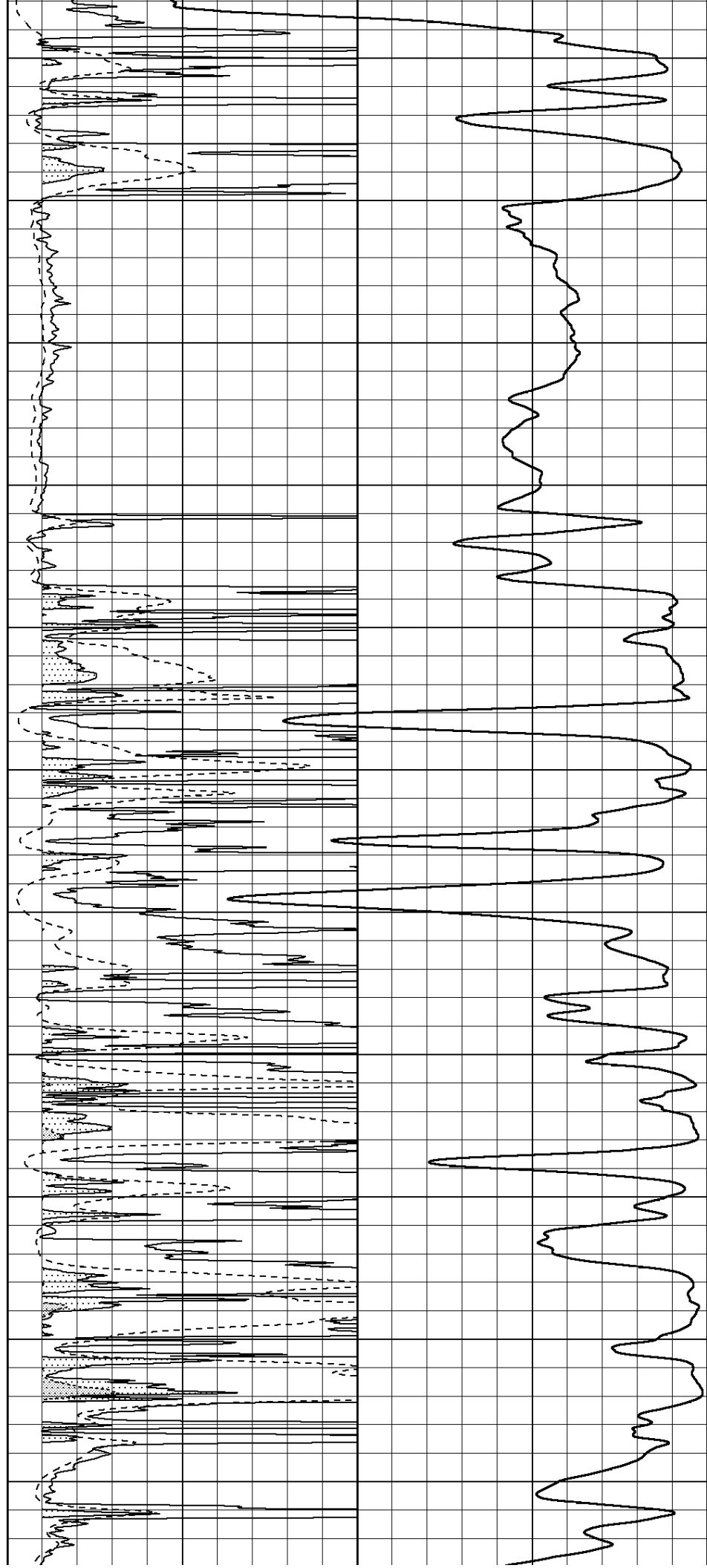
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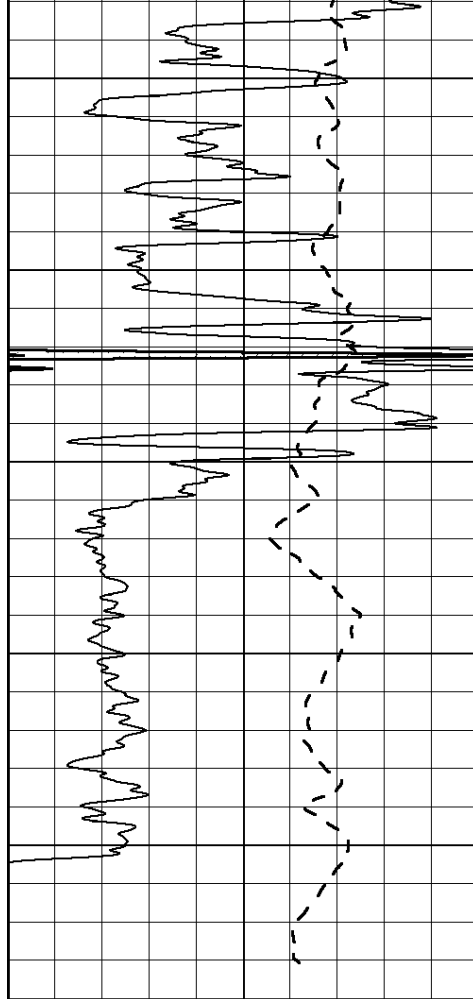
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4150

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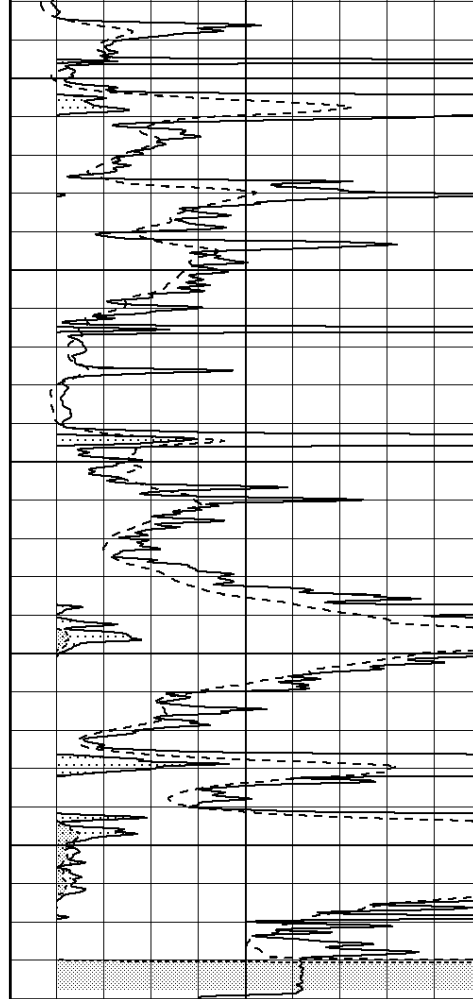
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0 Gamma Ray (GAPI) 150
-100 SP (mV) 100

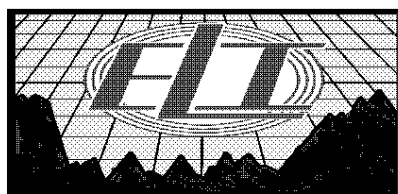
4300
4350
4400
4450
4500



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

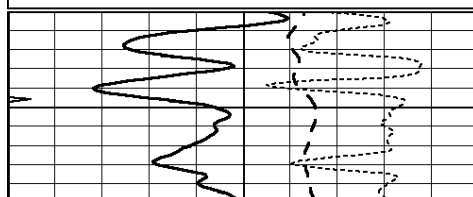


MAIN PASS

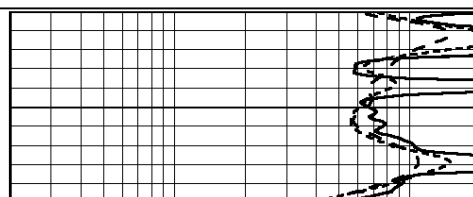
Database File: 1470ddn.db
Dataset Pathname: pass4.1
Presentation Format: _dil
Dataset Creation: Sat Jun 10 00:55:48 2017 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

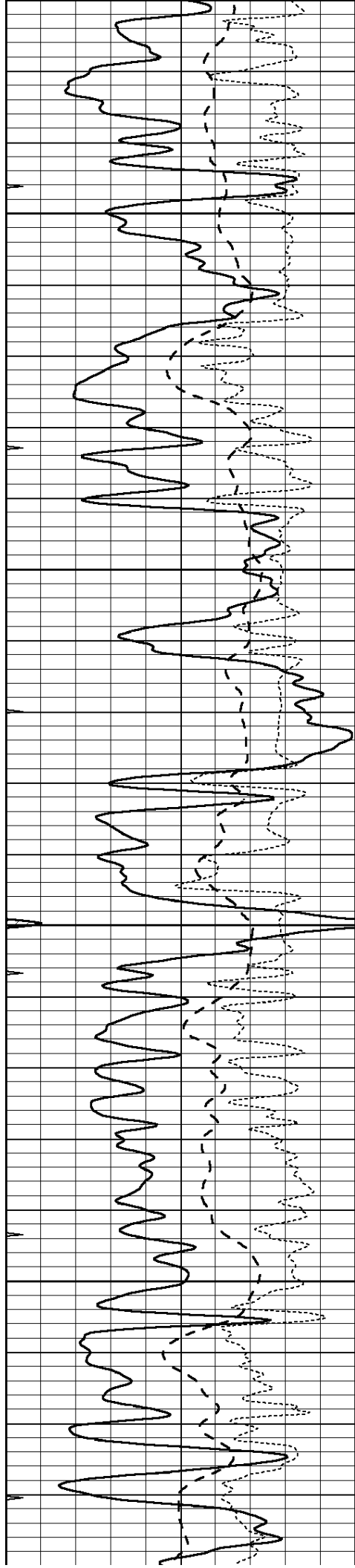
0 GAMMA RAY (GAPI) 150
-100 SP (mV) 100
-250 Rxo/Rt 50
0 MINMK 20

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



4300



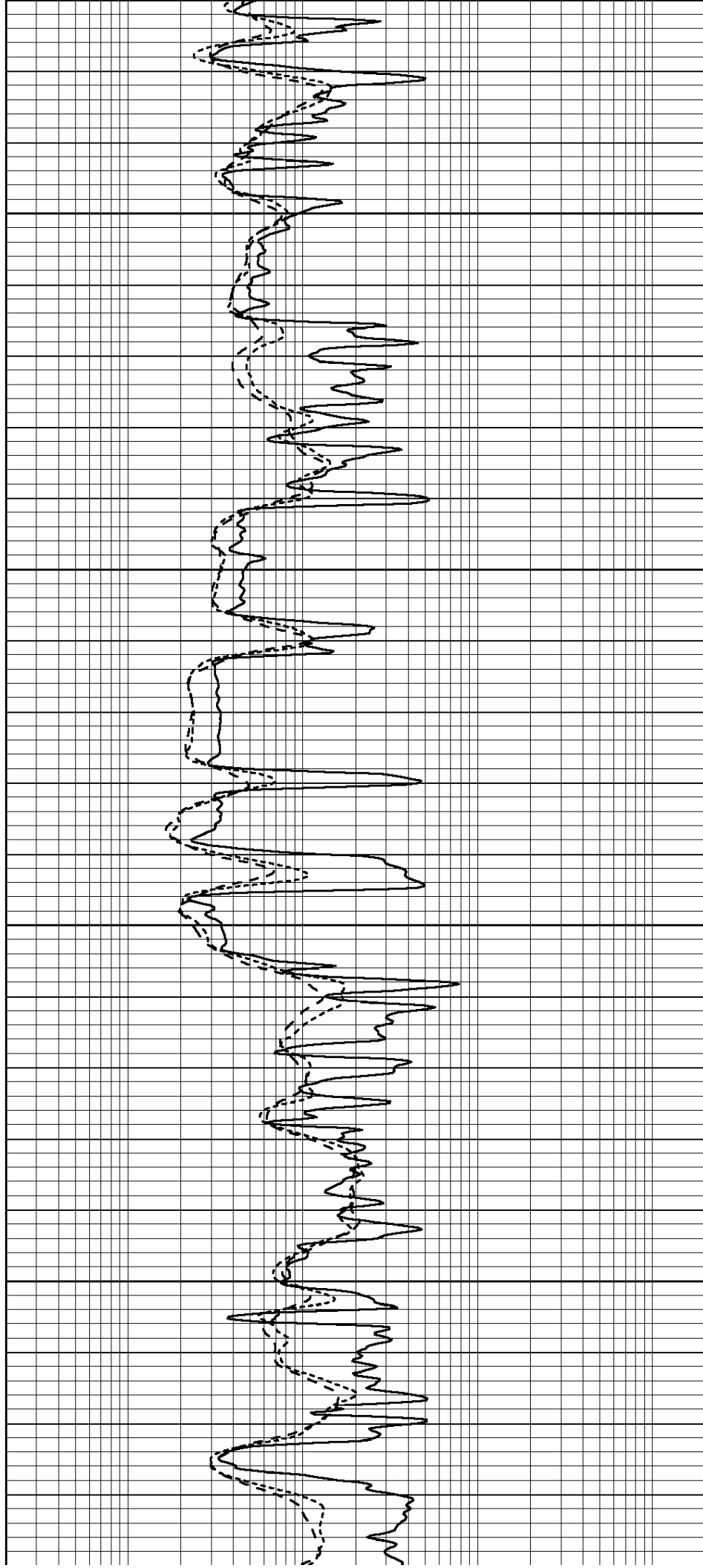


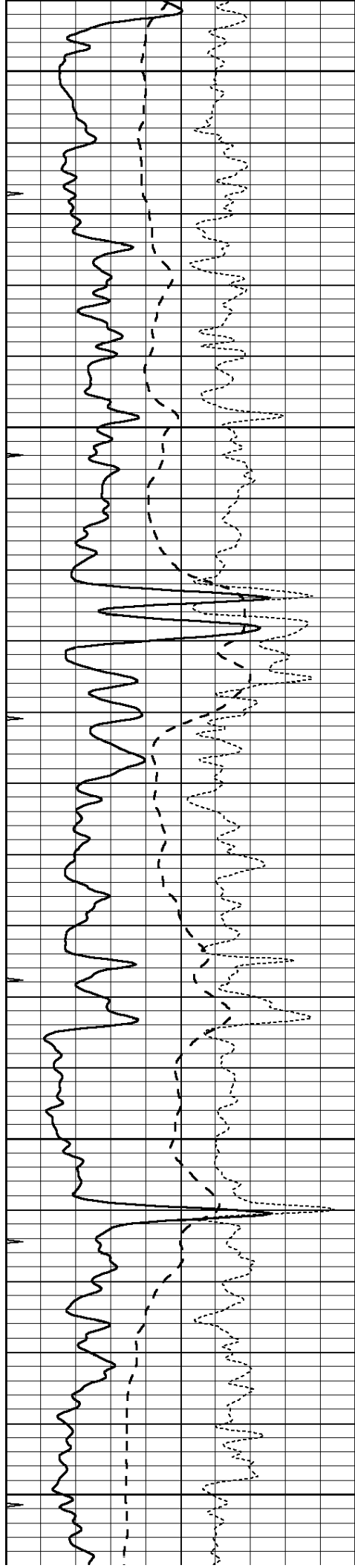
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3300

3350

3400





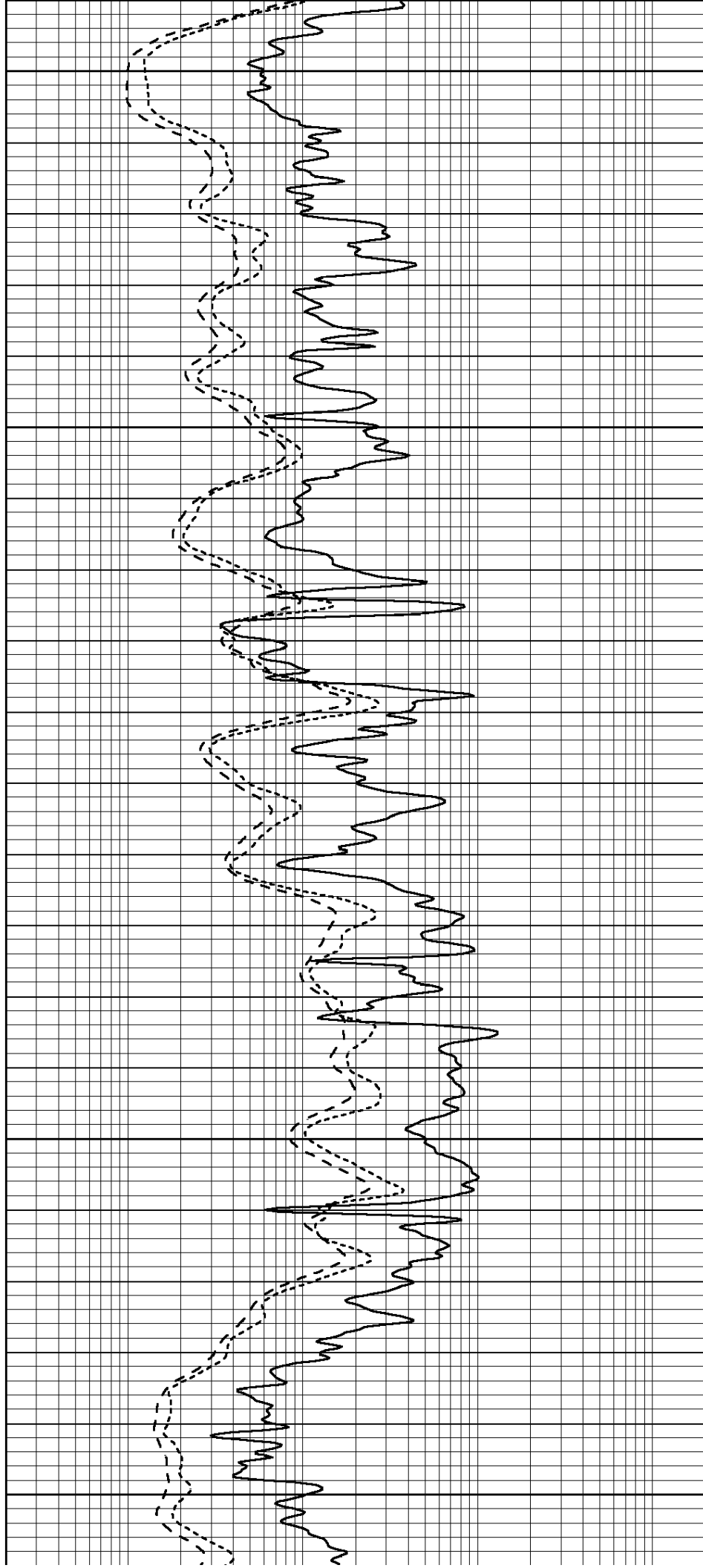
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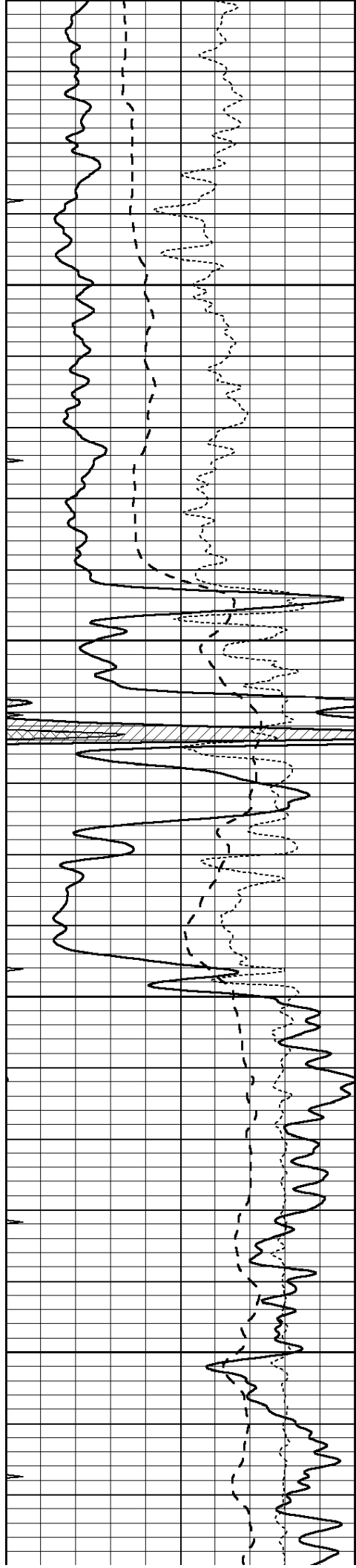
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3550

3600

3650



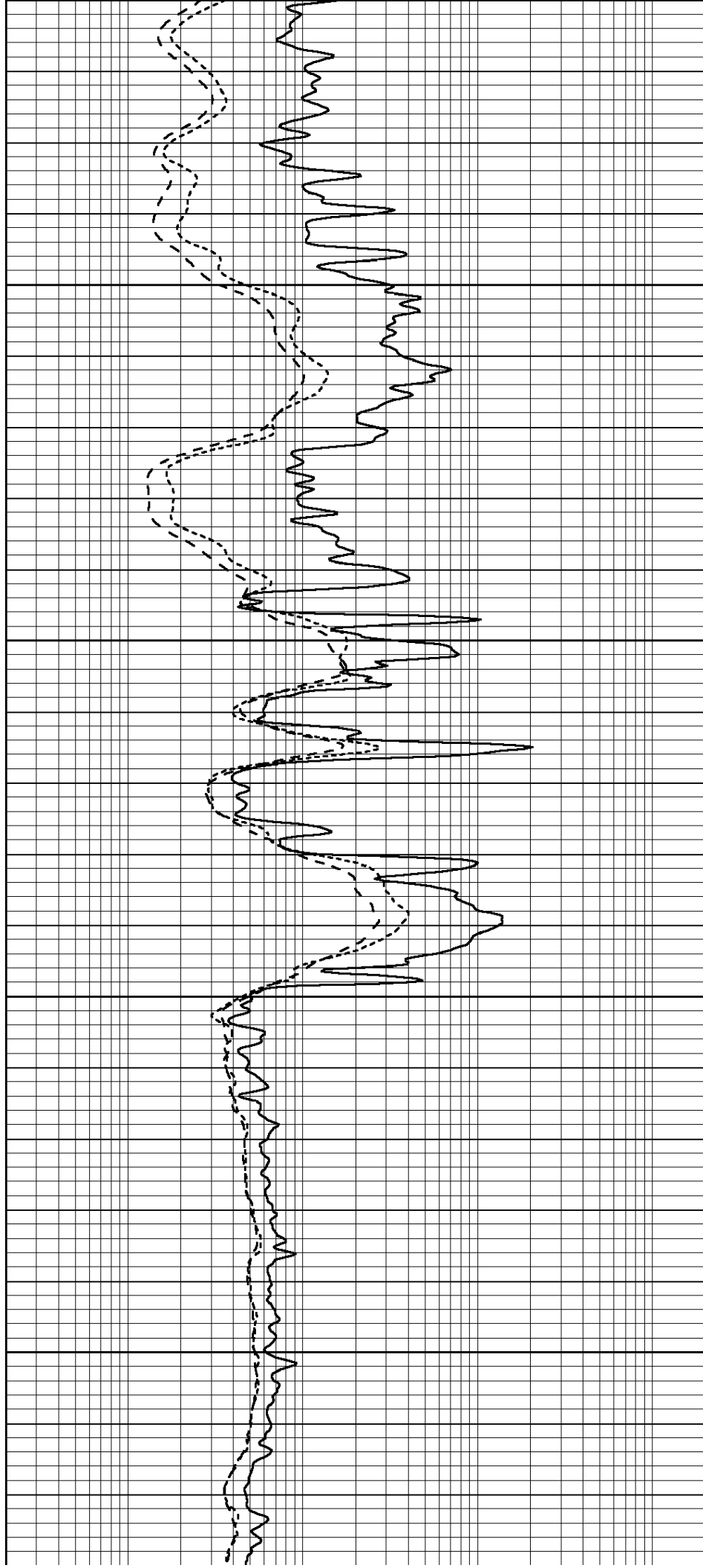


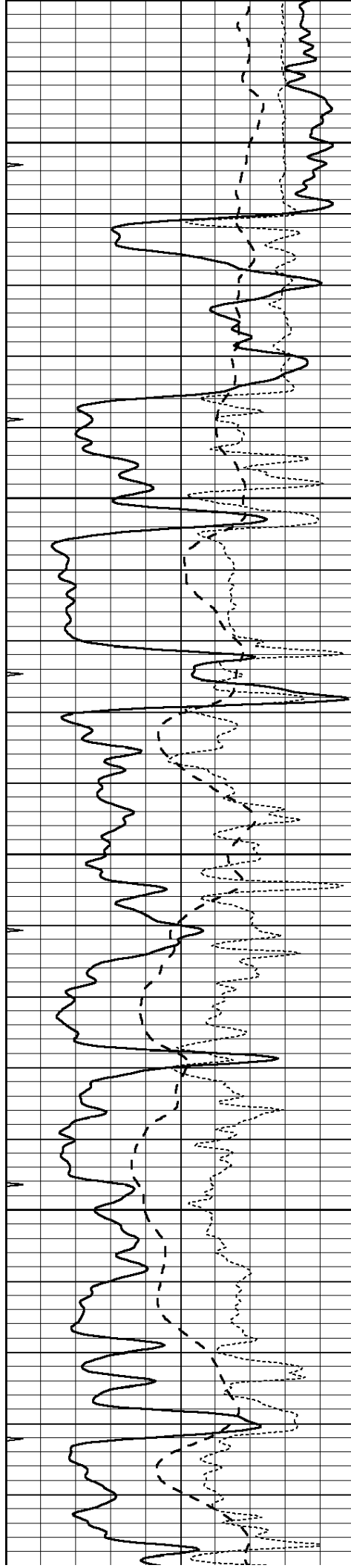
3700

3750

3800

3850





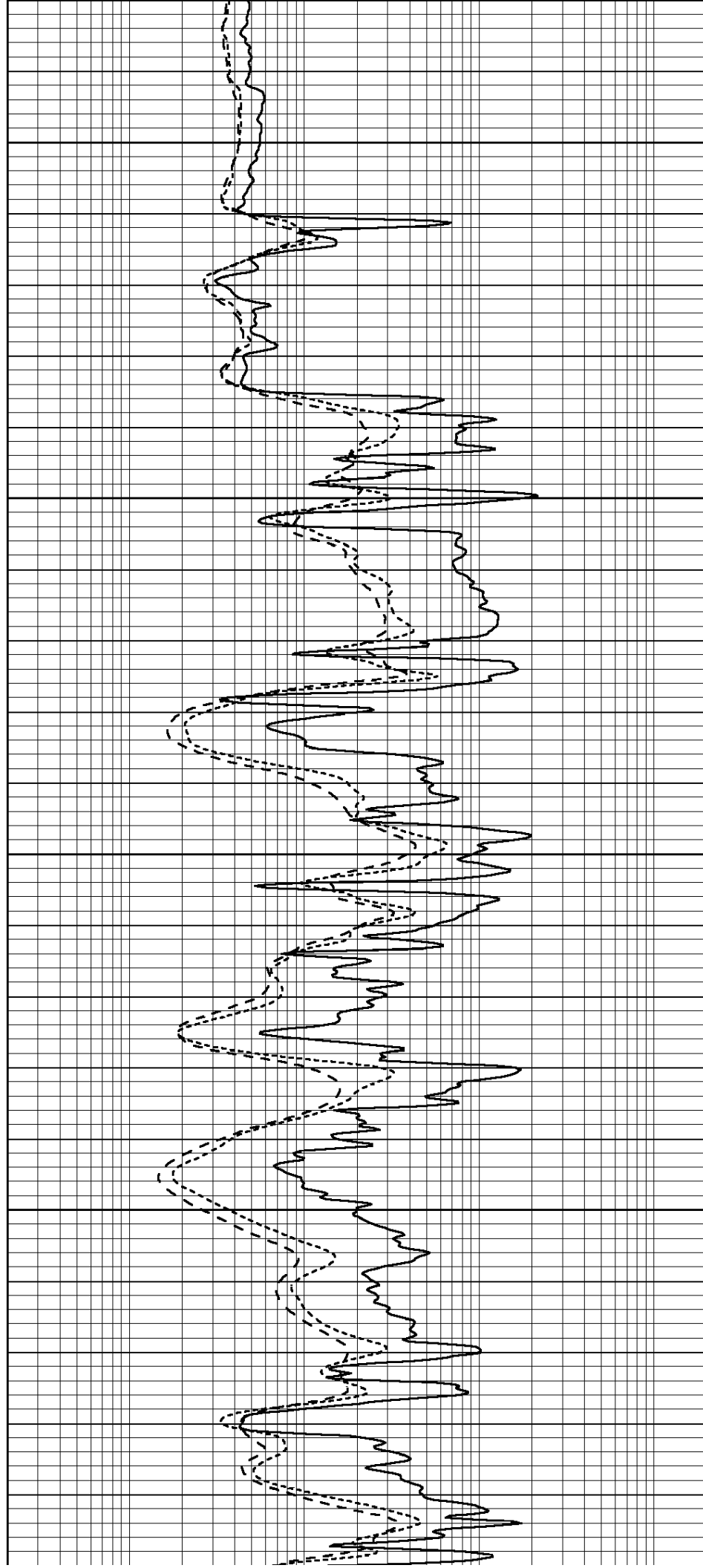
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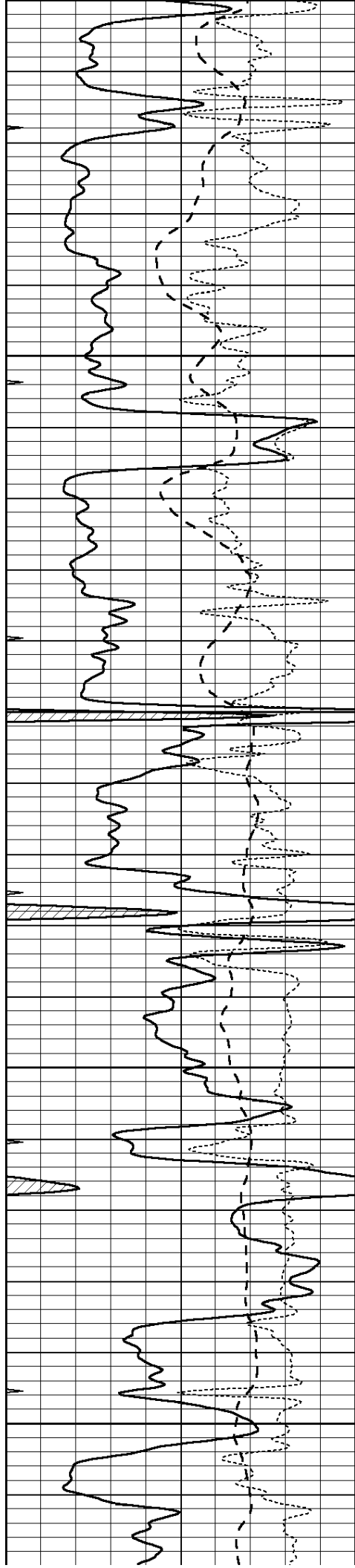
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4000

4050

4100





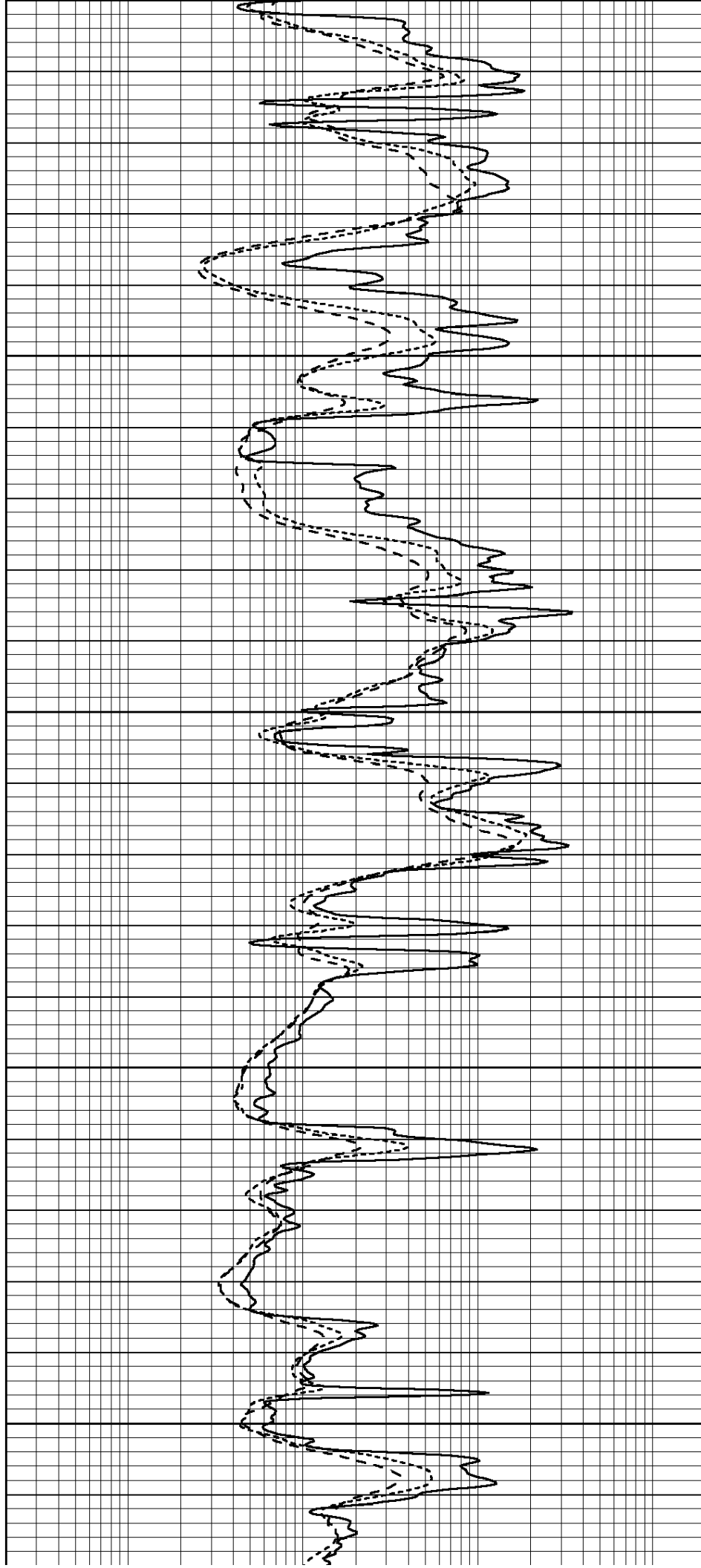
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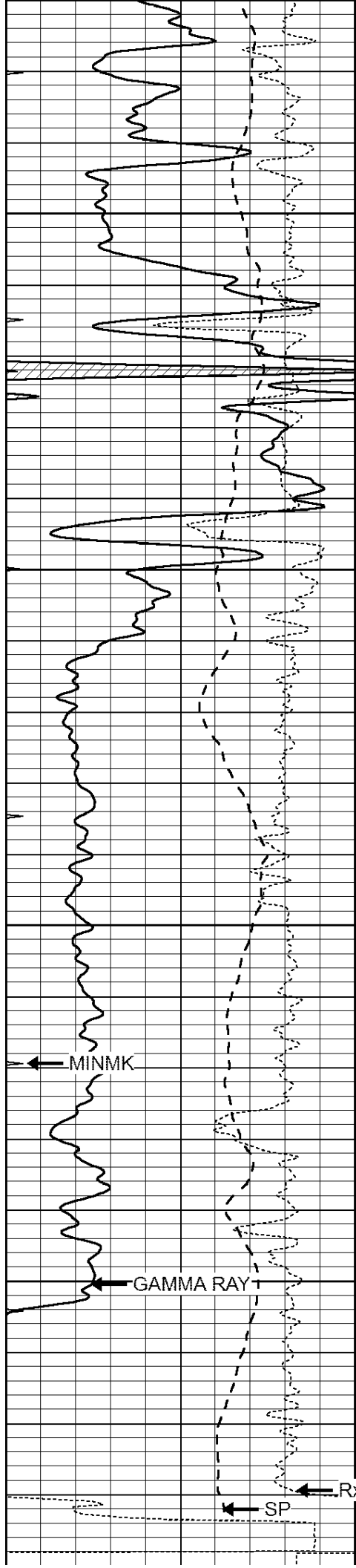
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4200

4250

4300





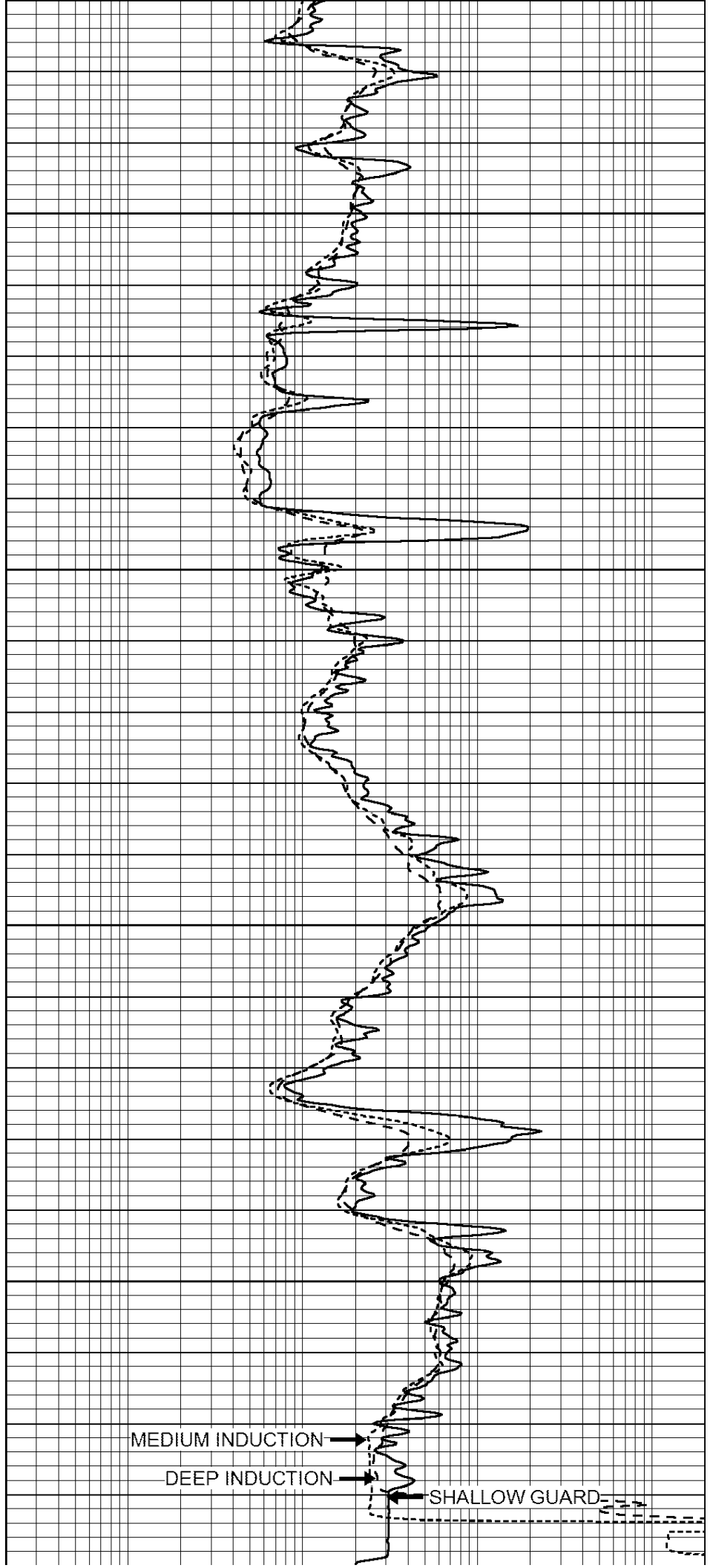
4350

4400

4450

4500

Rxo/P⁺
LTD 4531



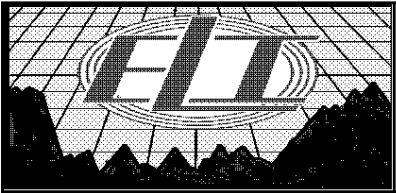
MEDIUM INDUCTION

DEEP INDUCTION

SHALLOW GUARD

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

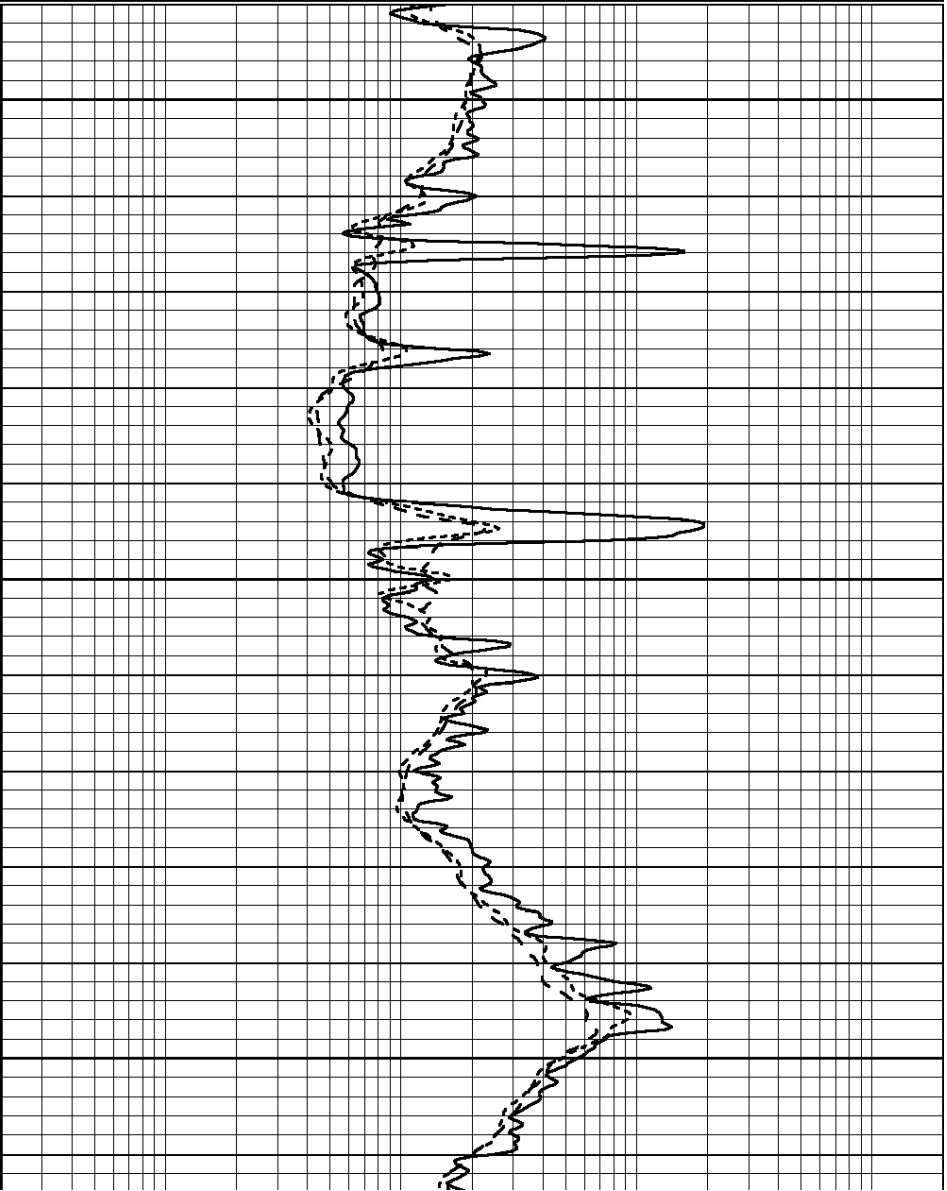
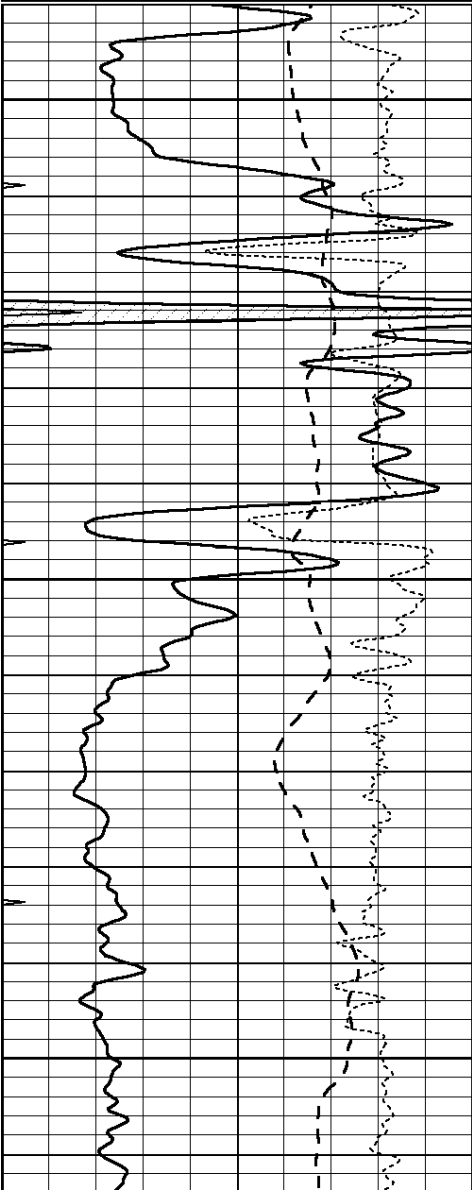


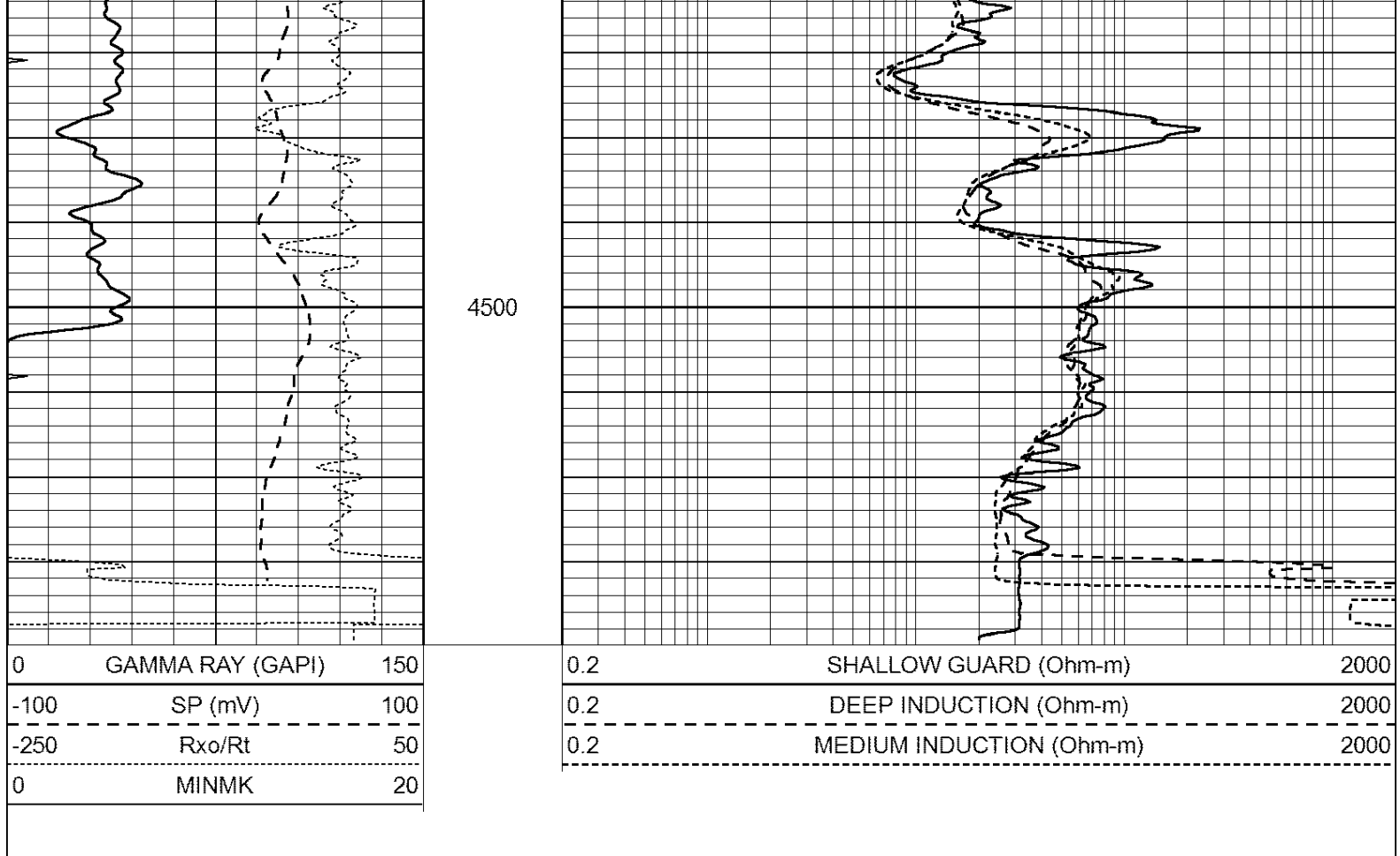
REPEAT SECTION

Database File: 1470ddn.db
 Dataset Pathname: pass3.1
 Presentation Format: _dil
 Dataset Creation: Sat Jun 10 00:40:22 2017 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	MINMK	20

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





Calibration Report

Database File: 1470ddn.db
 Dataset Pathname: pass3.1
 Dataset Creation: Sat Jun 10 00:40:22 2017 by Calc Open-Cased 090629

Dual Induction Calibration Report

Serial-Model: PROBE8-DILG
 Surface Cal Performed: Tue Mar 21 18:55:38 2017
 Downhole Cal Performed: Tue Mar 21 18:55:43 2017
 After Survey Verification Performed: Tue Mar 21 18:55:45 2017

Surface Calibration

Readings				References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.015	0.648	V	0.000	400.000	mmho/m	620.000	0.000
Medium	0.029	0.796	V	0.000	464.000	mmho/m	590.000	-12.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.017	0.657	V	0.000	400.000	mmho/m	625.153	-10.619
Medium	0.016	0.757	V	0.000	464.000	mmho/m	625.992	-9.739

Downhole Calibration

Readings				References			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	2.011	405.777	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	7.590	503.393	mmho/m	1.000	0.000
LL3		7.500	V		1500.000	Ohm-m		
		0.000	V		20.000	Ohm-m		
		-7.200	V		3800.000	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:					GEAR5-GEARHART			
Source / Verifier:					/			
Master Calibration Performed:					Tue Mar 21 18:56:14 2017			
Before Survey Verification Performed:								
After Survey Verification Performed:								

Master Calibration						
	Density			Far Detector		Near Detector
Magnesium	1.710	g/cc		798.83		465.02 cps
Aluminum	2.570	g/cc		178.16		318.19 cps
Spine Angle = 75.81				Density/Spine Ratio = 0.556		
	Size			Reading		
Small Ring	7.15	in		1.47	V	
Large Ring	14.00	in		3.01	V	

Before Survey Verification						
	Target			Measured		
		g/cc			g/cc	
		g/cc			g/cc	
		g/cc			g/cc	

After Survey Verification						
	Target			Measured		
		g/cc			g/cc	
		g/cc			g/cc	
		g/cc			g/cc	

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

PRE-SURVEY VERIFICATION						
	Detector	Readings		Measured		Target
1)	Short Space		cps			
	Long Space		cps	pu		pu
2)	Short Space		cps			

	Long Space	cps	pu	
3)	Short Space	cps		
	Long Space	cps	pu	
POST-SURVEY VERIFICATION				
	Detector	Readings	Measured	Target
1)	Short Space	cps		
	Long Space	cps	pu	pu
2)	Short Space	cps		
	Long Space	cps	pu	pu
3)	Short Space	cps		
	Long Space	cps	pu	pu
Gamma Ray Calibration Report				
	Serial Number:	GR6		
	Tool Model:	OPEN		
	Performed:	Tue Mar 21 18:56:51 2017		
	Calibrator Value:	150.0	GAPI	
	Background Reading:	0.0	cps	
	Calibrator Reading:	276.0	cps	
	Sensitivity:	0.6200	GAPI/cps	