



DUAL INDUCTION LOG

Company DARRAH OIL COMPANY, LLC.	
Well	SEALOCK #1-16
Field	UNNAMED
County	SHERIDAN
State	KANSAS
Location: API #: 15-179-21489-0000	
490' FSL & 2179' FEL NE - SW - SW - SE	
Permanent Datum	GROUND LEVEL Elevation 2690
Log Measured From	KELLY BUSHING 5' A.G.L
Drilling Measured From	KELLY BUSHING
SEC 16 TWP 7S RGE 27W	
Other Services CDL/CNL/PE MEL/SON	
Elevation K.B. 2695 D.F. 2693 G.L. 2690	
Date	9/5/22
Run Number	ONE
Depth Driller	4505
Depth Logger	4507
Bottom Logged Interval	4505
Top Log Interval	00
Casing Driller	8 5/8" @ 304
Casing Logger	304
Bit Size	7 7/8
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.6/78
PH / Fluid Loss	10/8.8
Source of Sample	FLOWLINE
Rm @ Meas. Temp	1.50 @ 82F
Rmt @ Meas. Temp	1.13 @ 82F
Rmc @ Meas. Temp	1.80 @ 82F
Source of Rmf / Rmc	MEASUREMENT
Rm @ BHT	1.02 @ 121F
Time Circulation Stopped	2 HOURS
Time Logger on Bottom	12:30 A.M.
Maximum Recorded Temperature	121F
Equipment Number	3802
Location	HAYS, KANSAS
Recorded By	COLE ROBEN
Witnessed By	JARRED LEIS

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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 SERVICES, HAYS, KS. (785) 628-6395

DIRECTIONS:

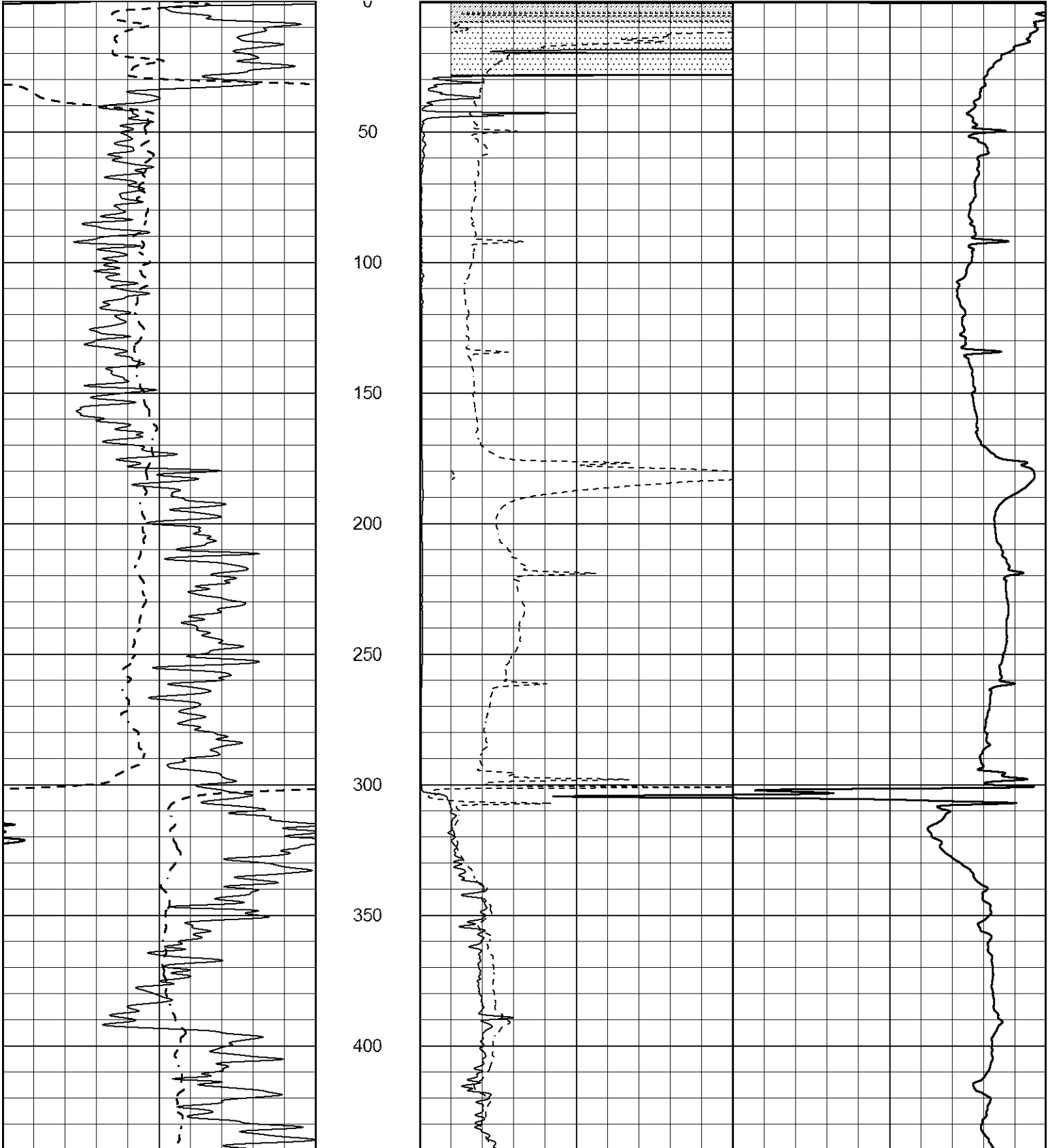
NORTH OF HOXIE, KS ON KS-23 FOR 5.5 MILES TO COUNTY ROAD 380, GO EAST FOR
5.6 MILES, NORTH INTO

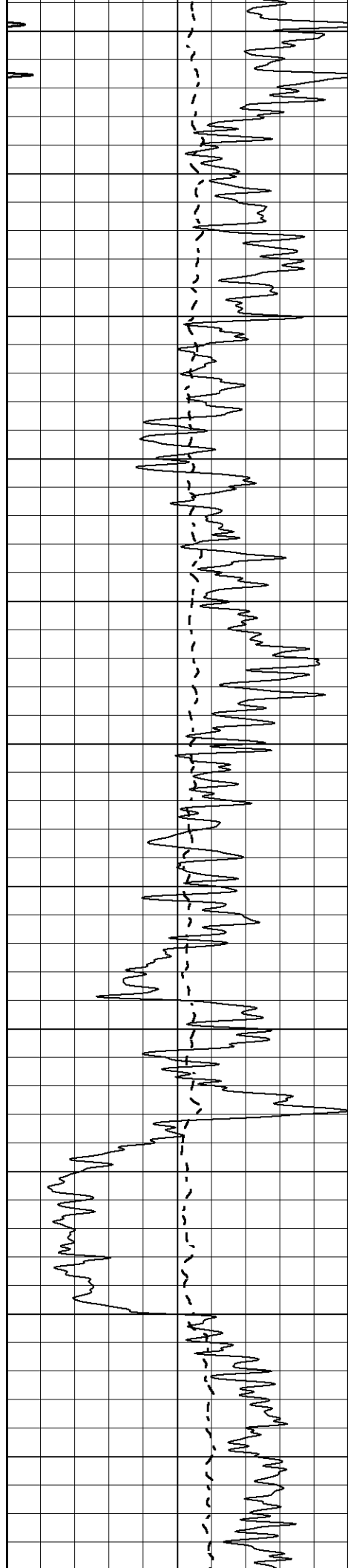


MAIN SECTION

Database File	7008pe.db
Dataset Pathname	pass3M
Presentation Format	_dil2
Dataset Creation	Mon Sep 05 03:00:12 2022
Charted by	Depth in Feet scaled 1:600

0	Gamma Ray (GAPI)	150	1000	CILD (mmho/m)	0
-100	SP (mV)	100	0	RLL3 (Ohm-m)	50
-----			0	Deep Induction (Ohm-m)	50
			50	RILD X10 (Ohm-m)	500
			50	RLL3 X10 (Ohm-m)	500





450

500

550

600

650

700

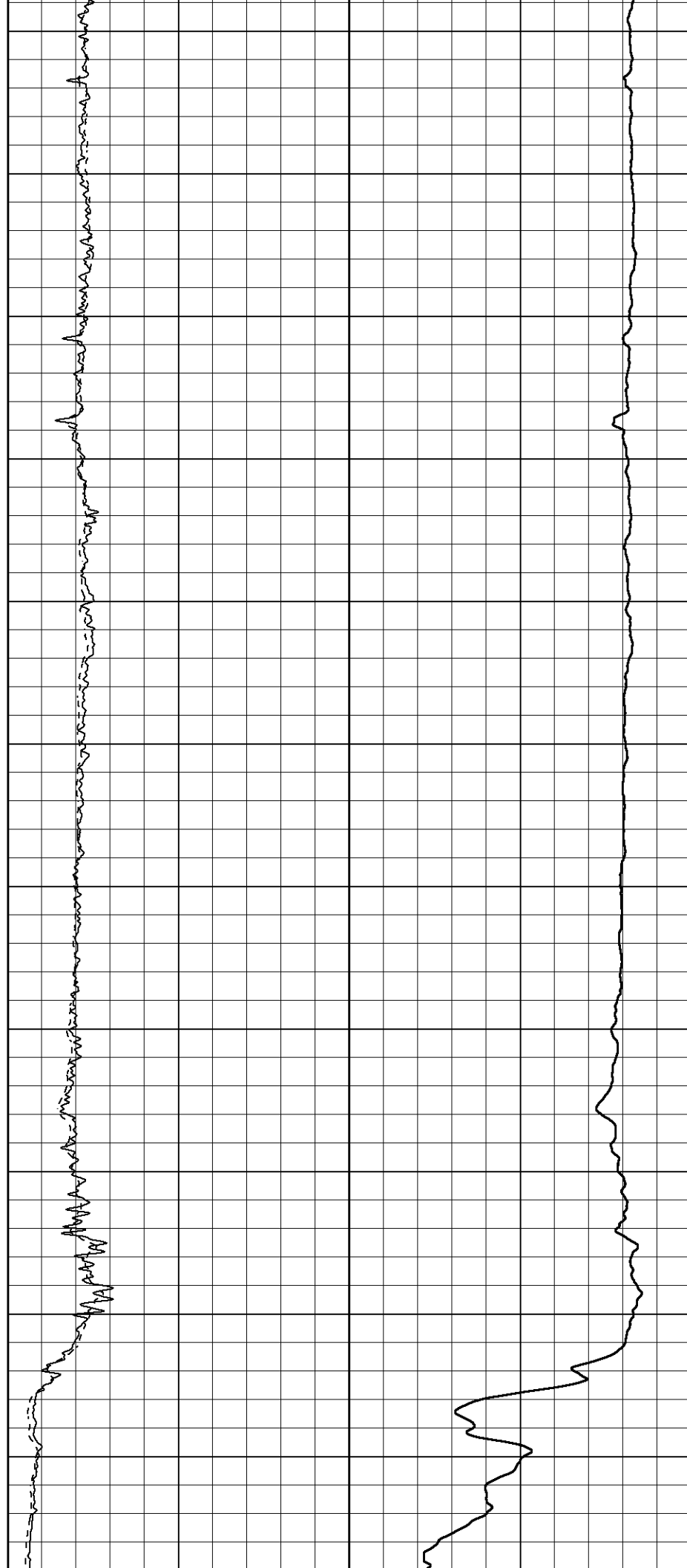
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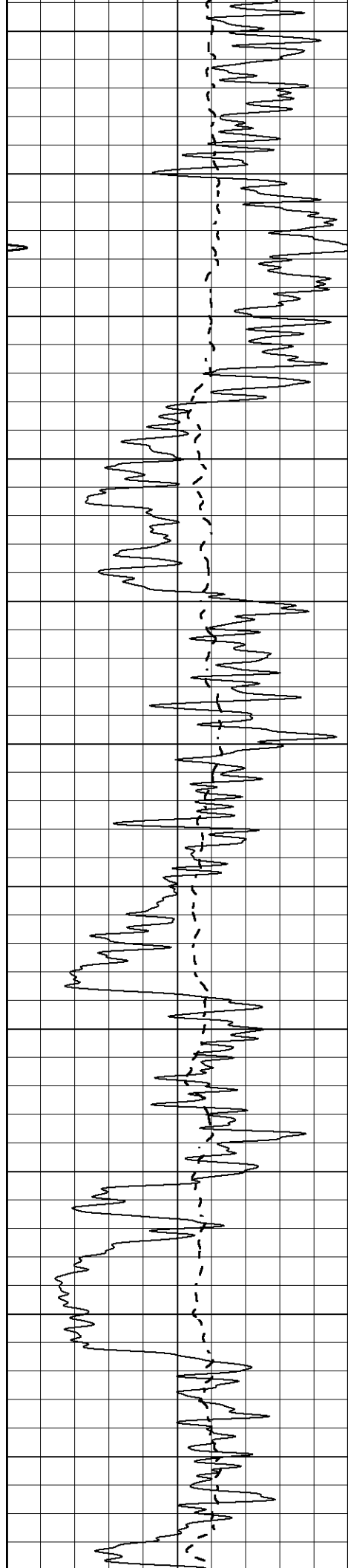
800

850

900

950





1000

1050

1100

1150

1200

1250

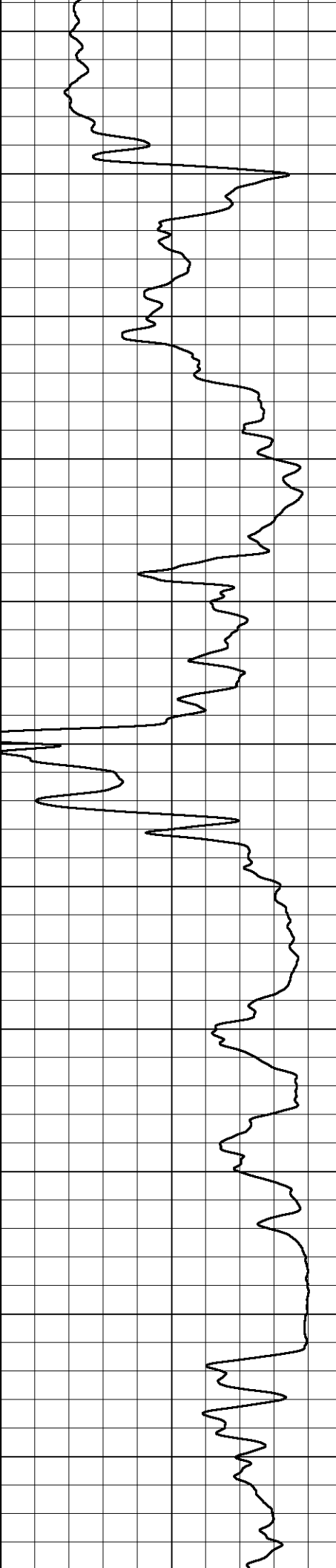
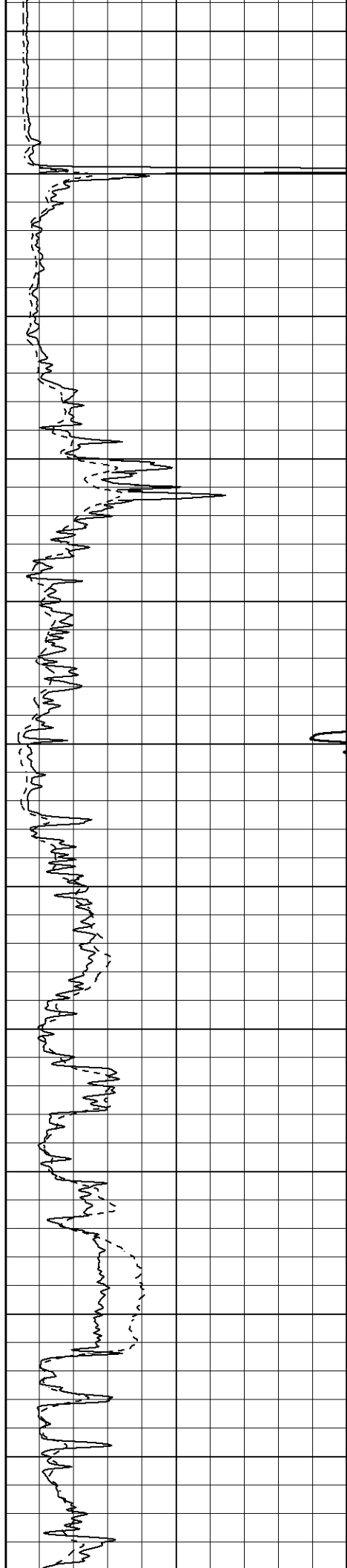
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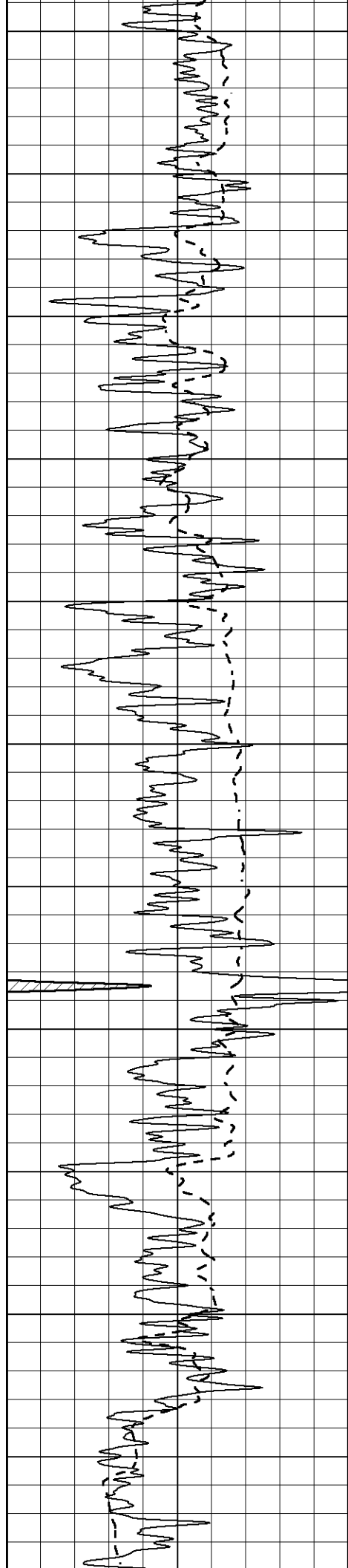
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1400

1450

1500





1550

1600

1650

1700

1750

1800

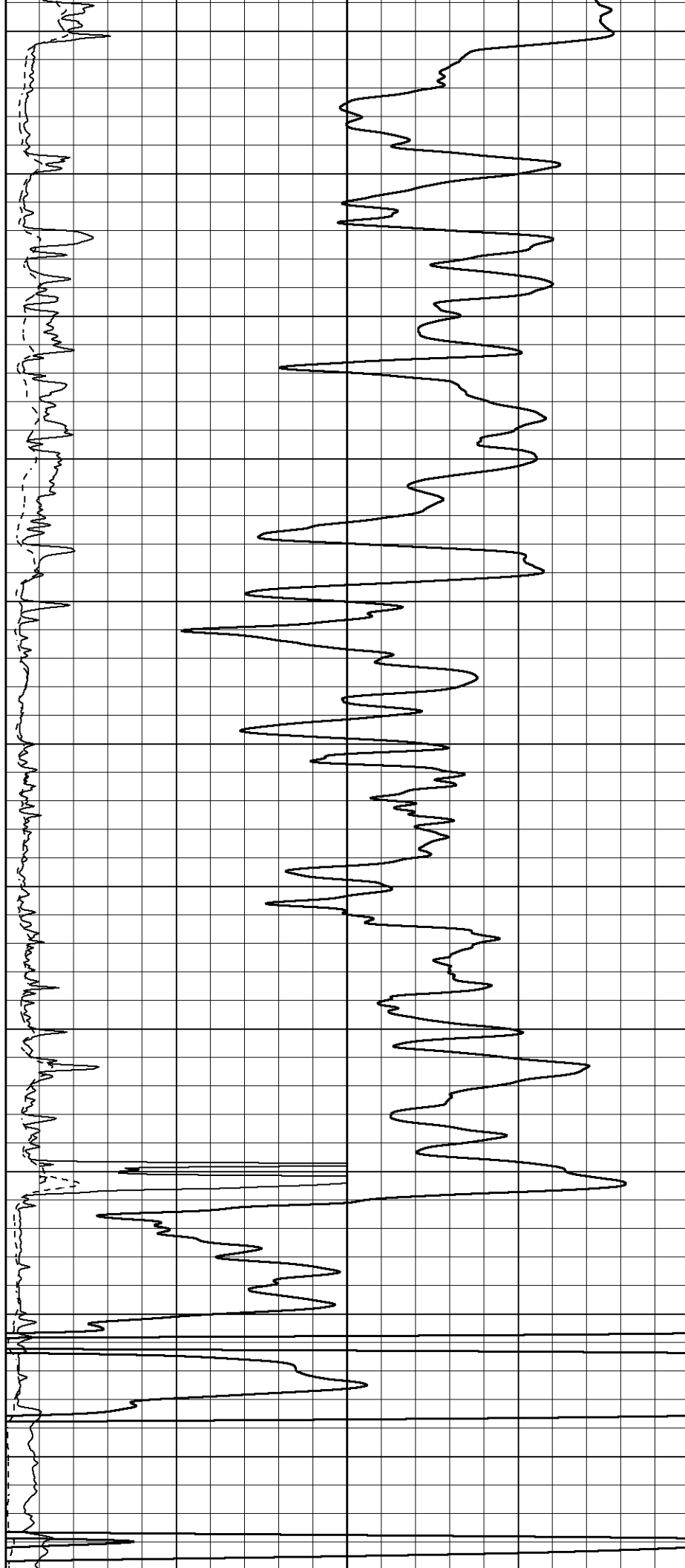
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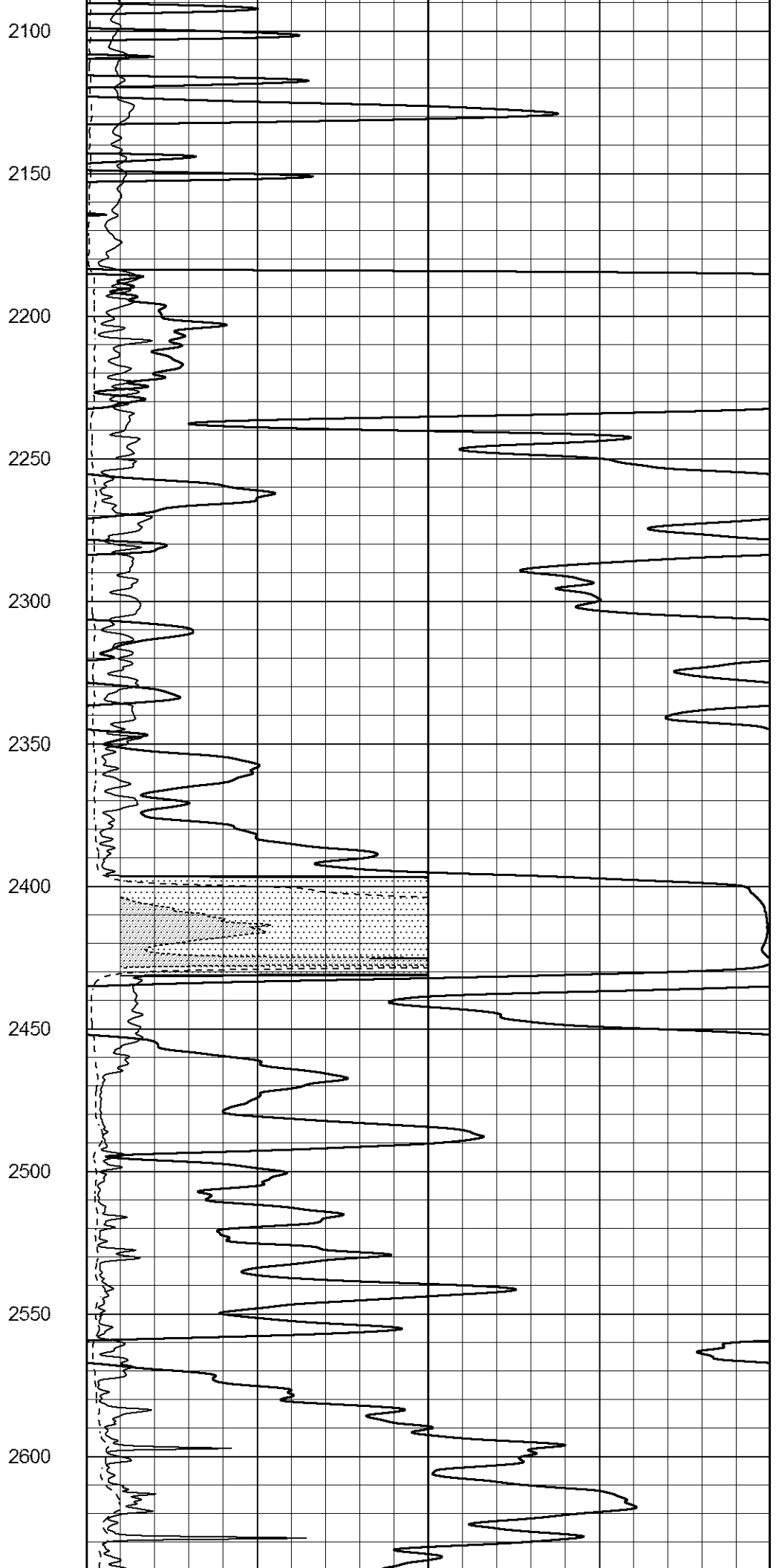
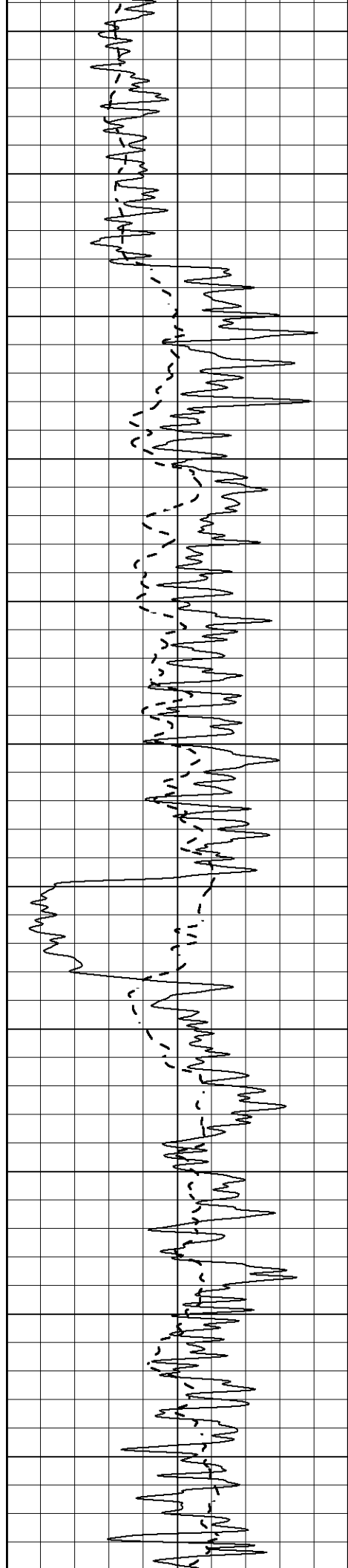
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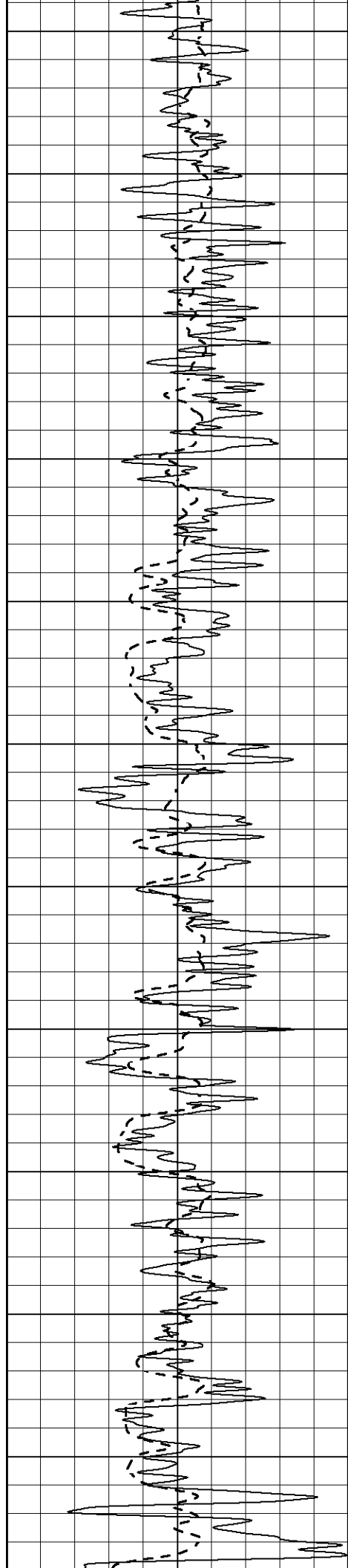
1950

2000

2050







2650

2700

2750

2800

2850

2900

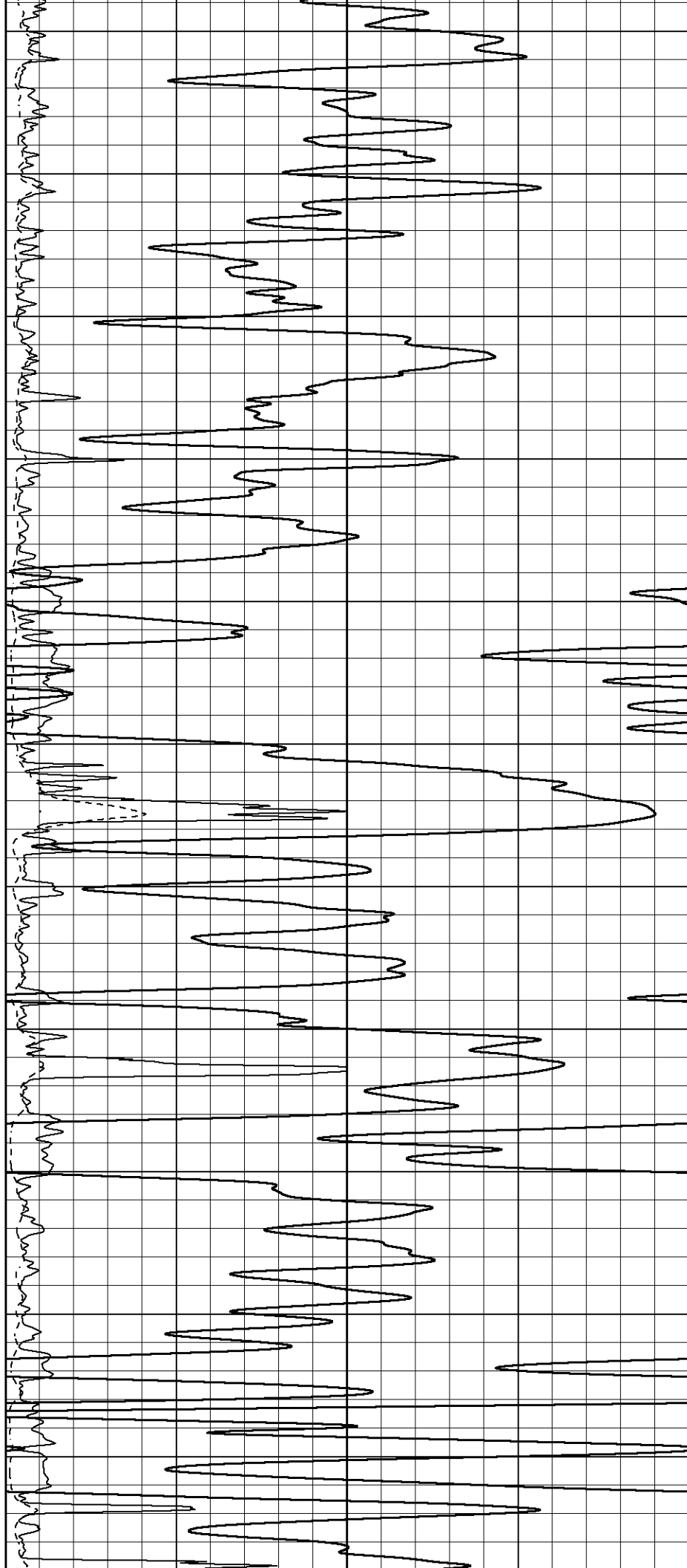
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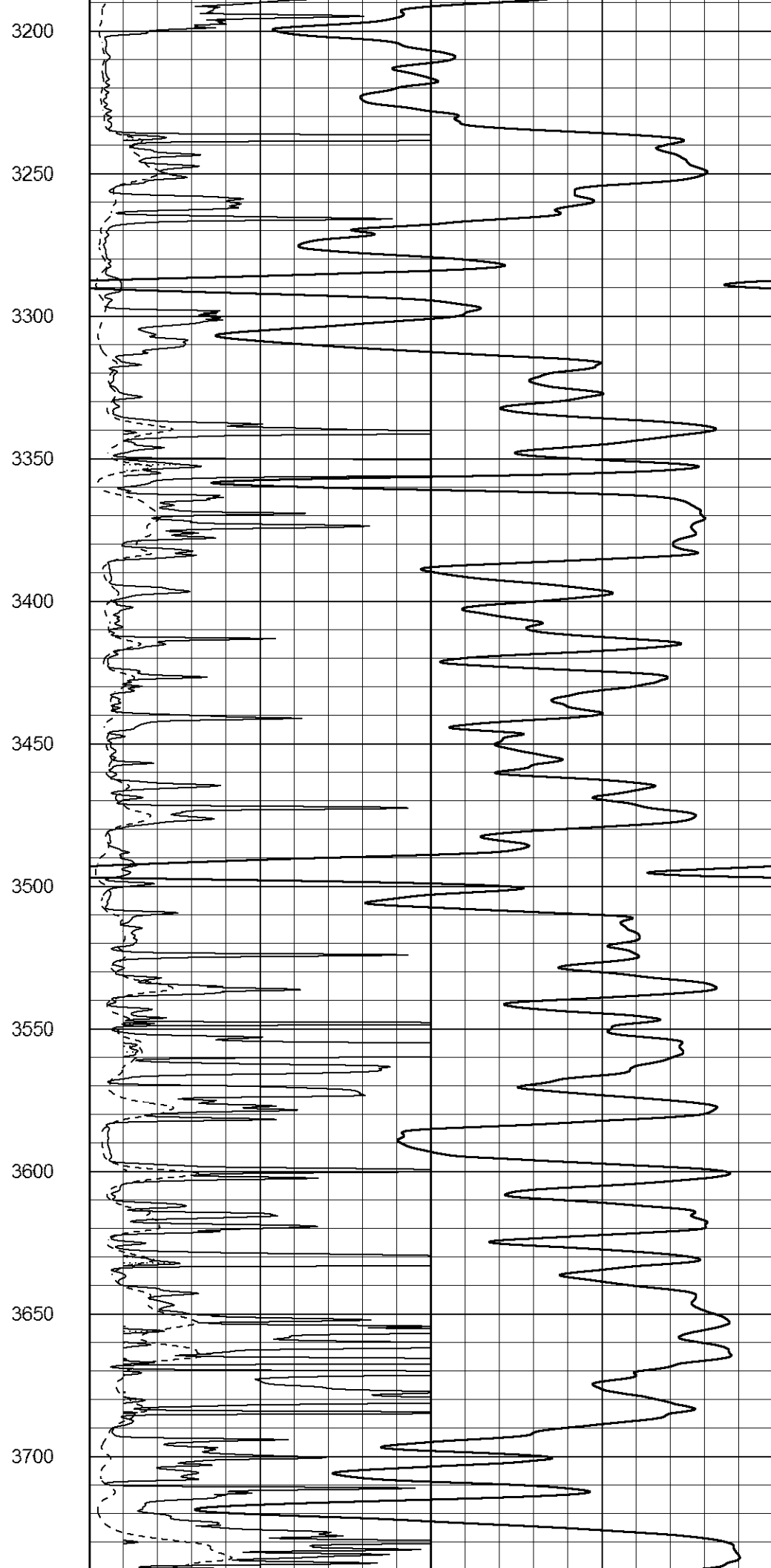
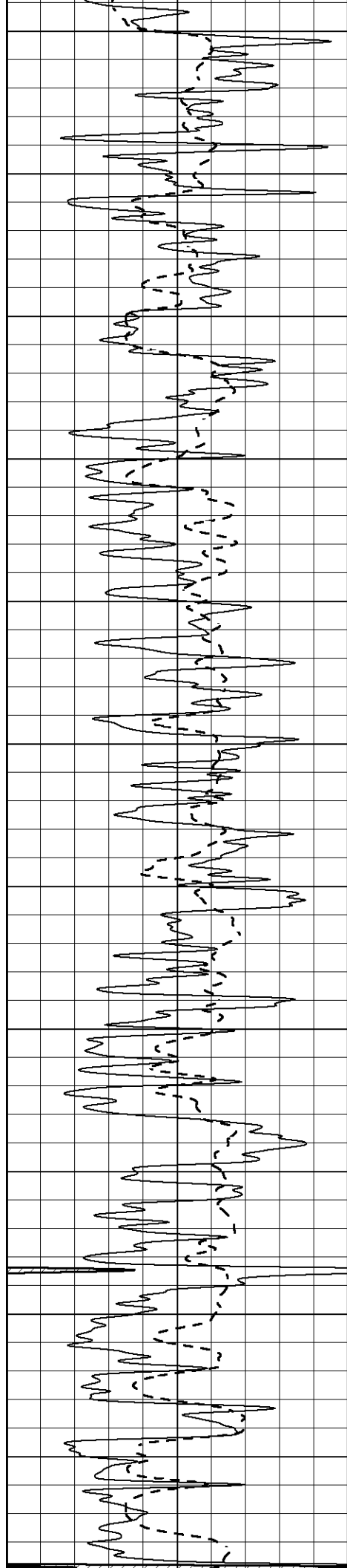
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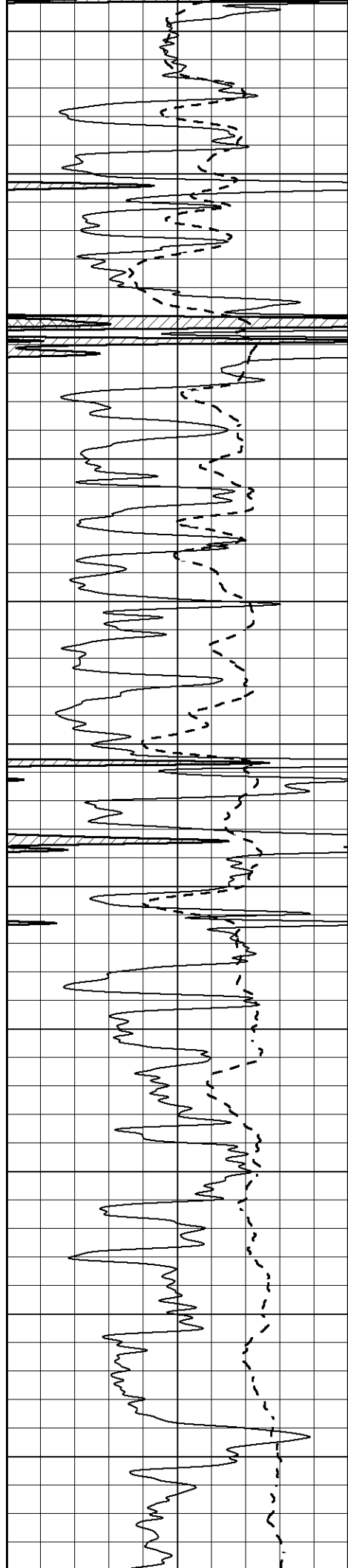
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3100

3150







3750

3800

3850

3900

3950

4000

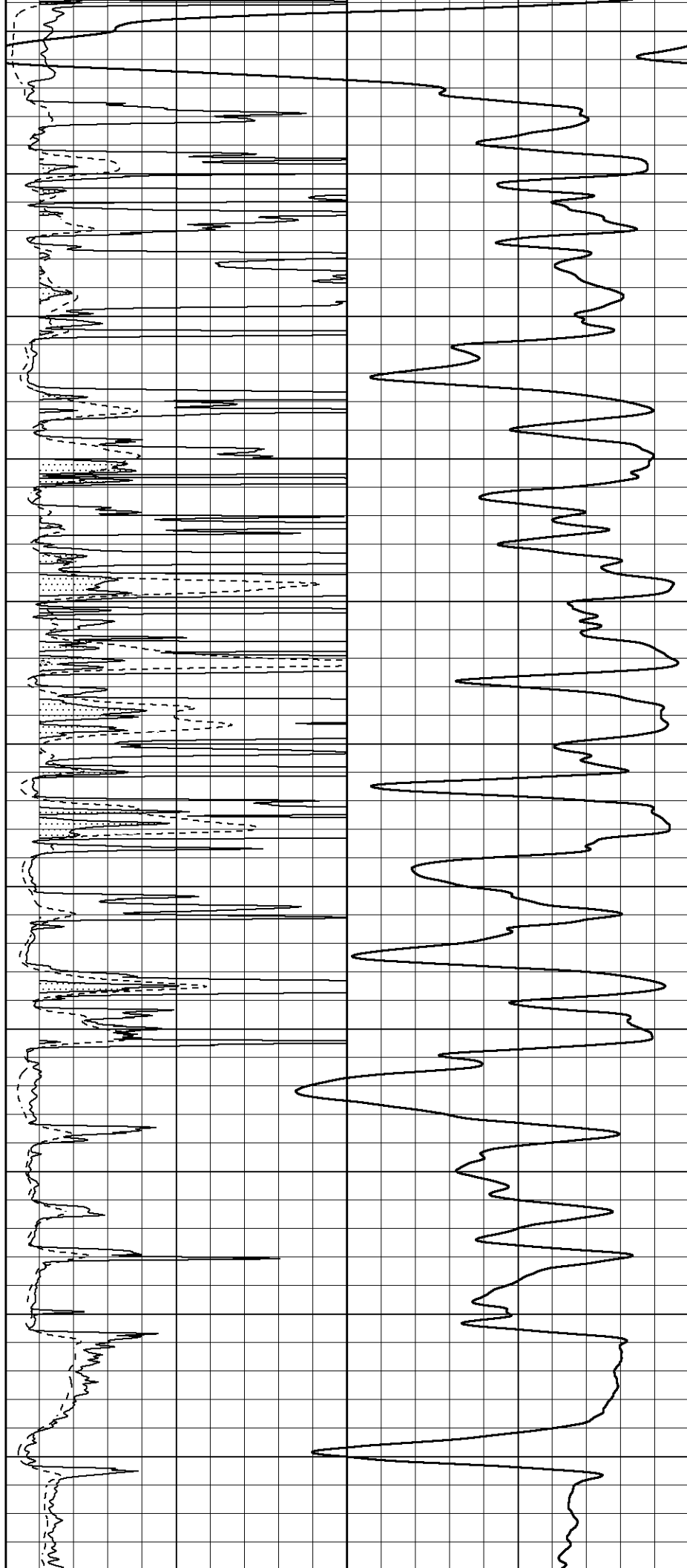
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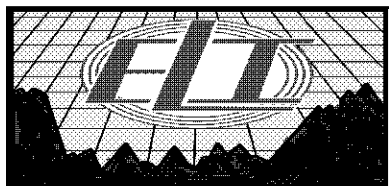
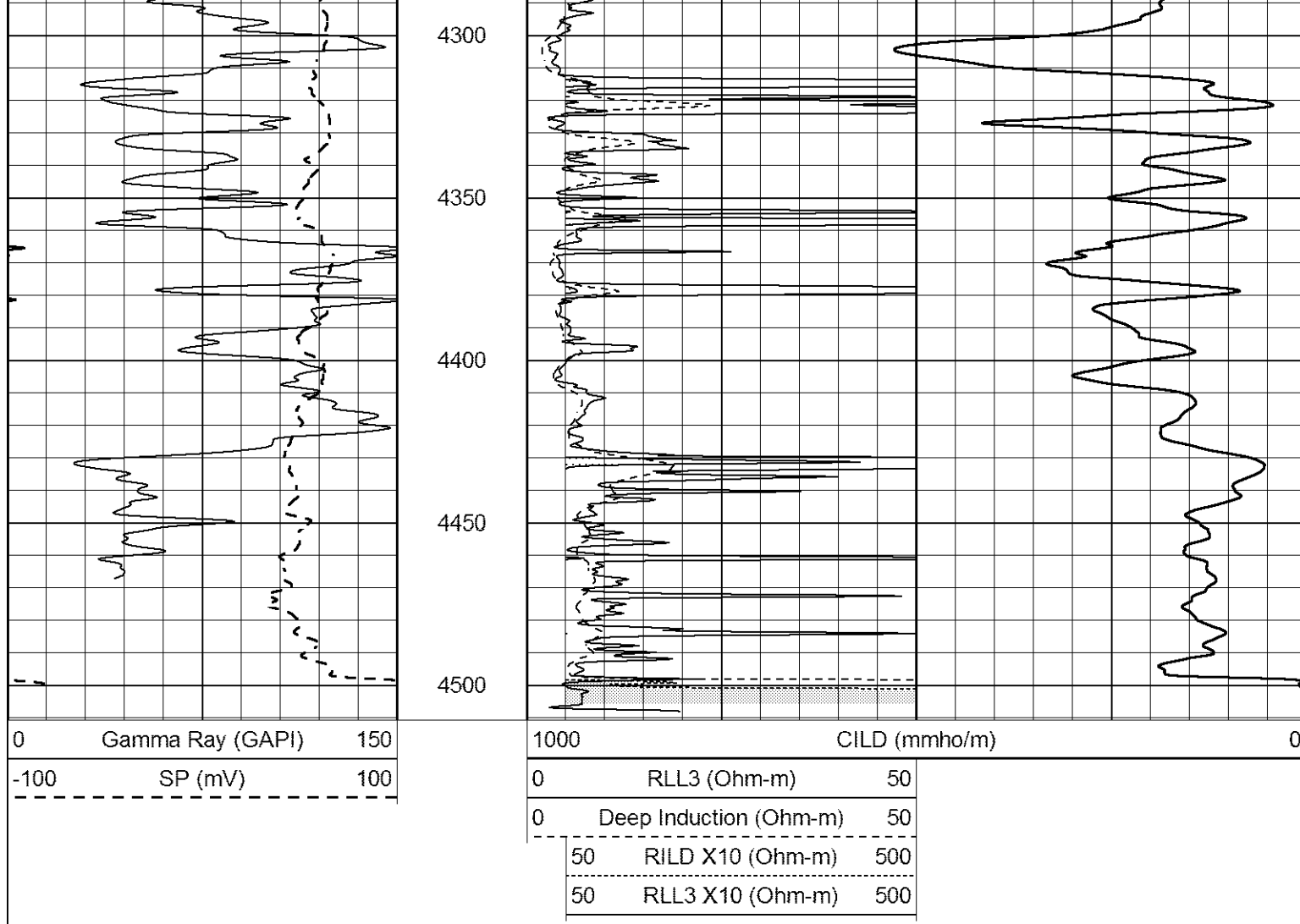
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4150

4200

4250

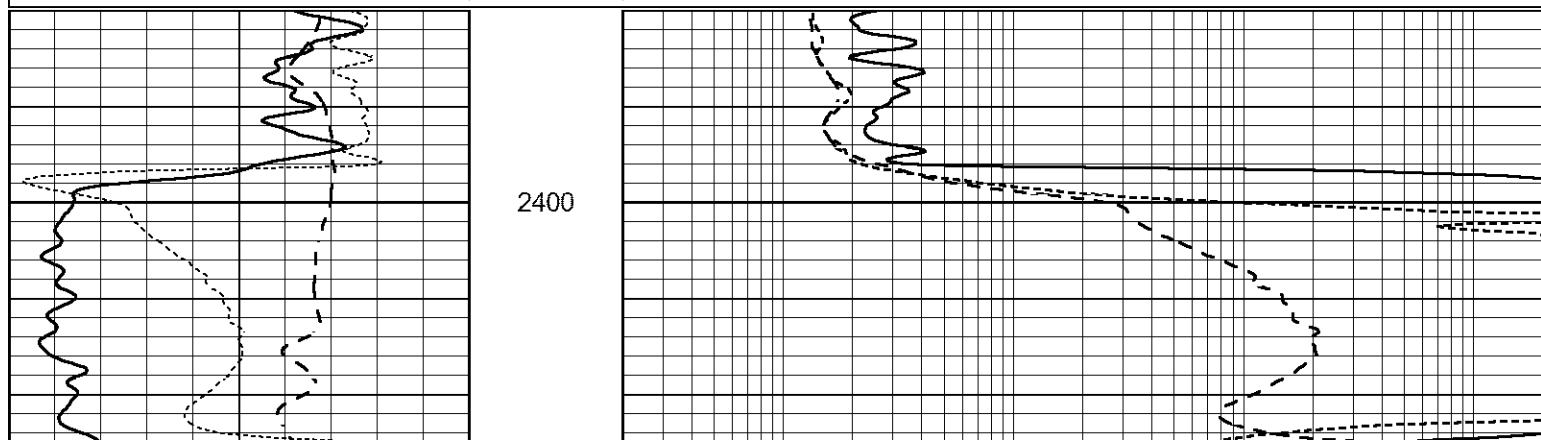




ANHYDRITE

Database File 7008pe.db
 Dataset Pathname pass3A
 Presentation Format _dil
 Dataset Creation Mon Sep 05 02:08:01 2022
 Charted by Depth in Feet scaled 1:240

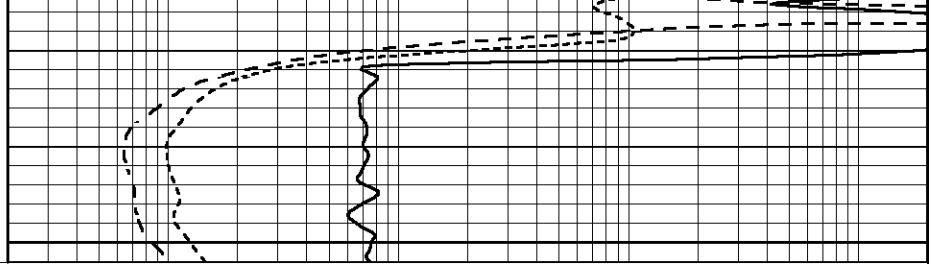
0	GAMMA RAY (GAPI)	150	0.2	SHALLOW GUARD (Ohm-m)	2000
-100	SP (mV)	100	0.2	MEDIUM INDUCTION (Ohm-m)	2000
-250	Rxo/Rt	50	0.2	DEEP INDUCTION (Ohm-m)	2000





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

2450



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

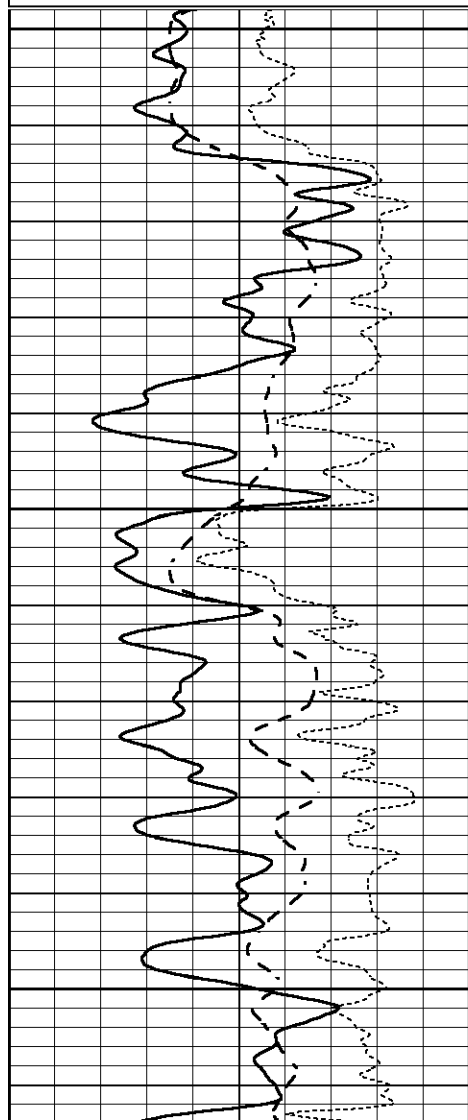


MAIN SECTION

Database File 7008pe.db
 Dataset Pathname pass3M
 Presentation Format _dil
 Dataset Creation Mon Sep 05 03:00:12 2022
 Charted by Depth in Feet scaled 1:240

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

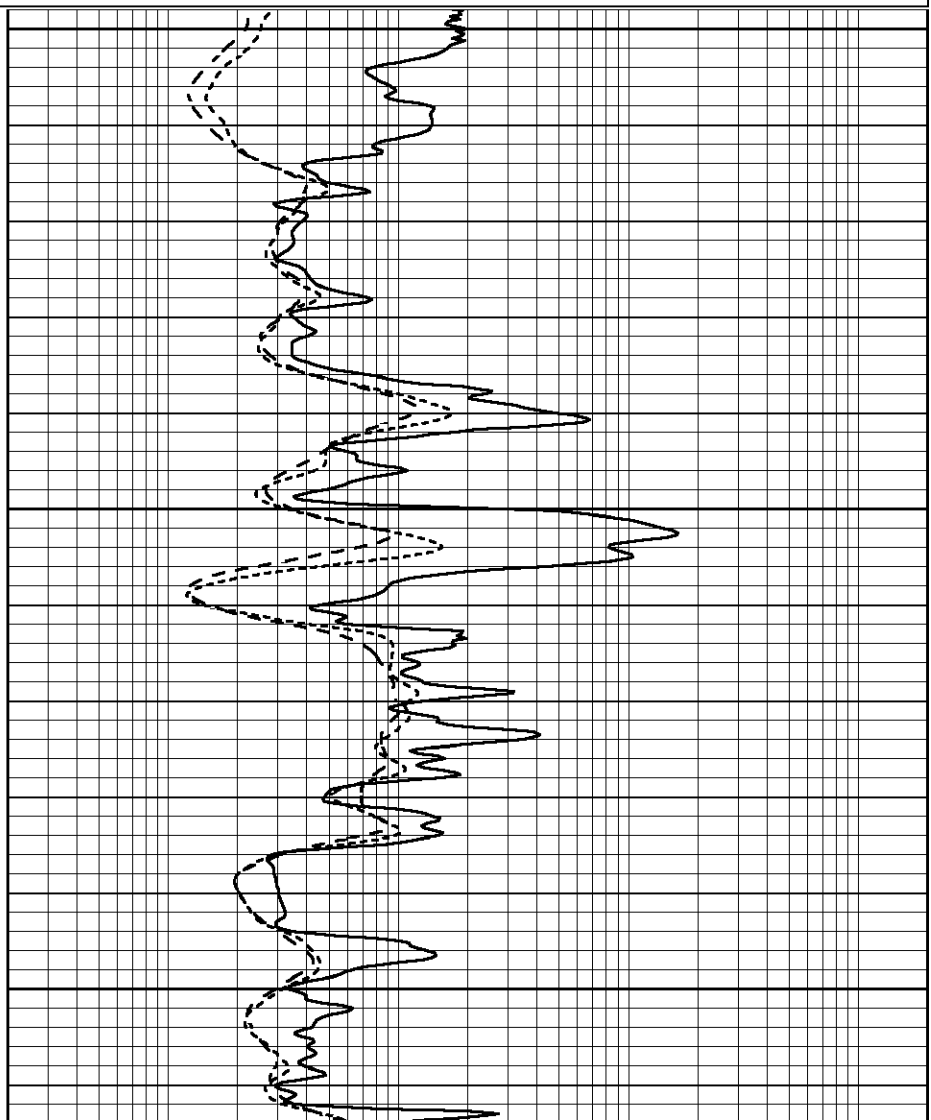
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000

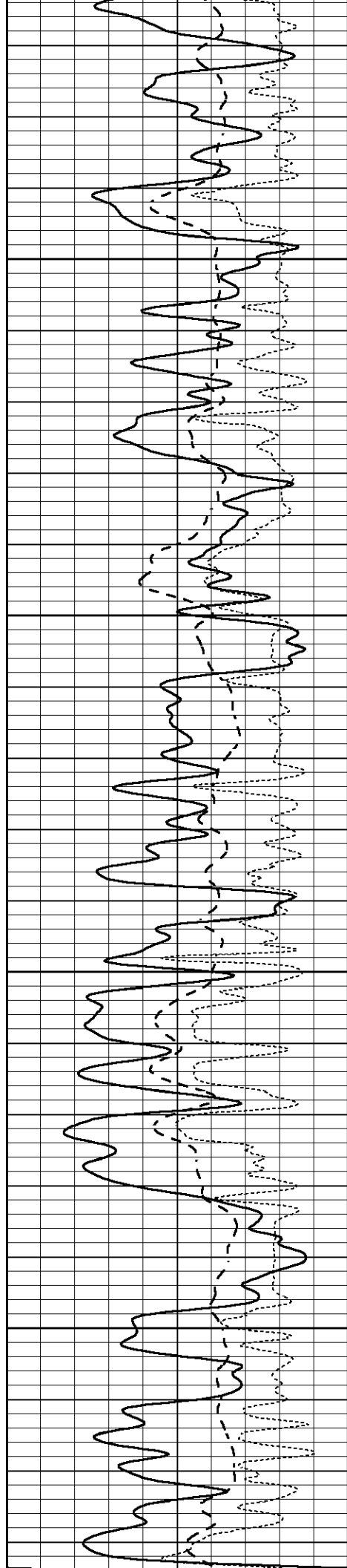


3300

3350

3400



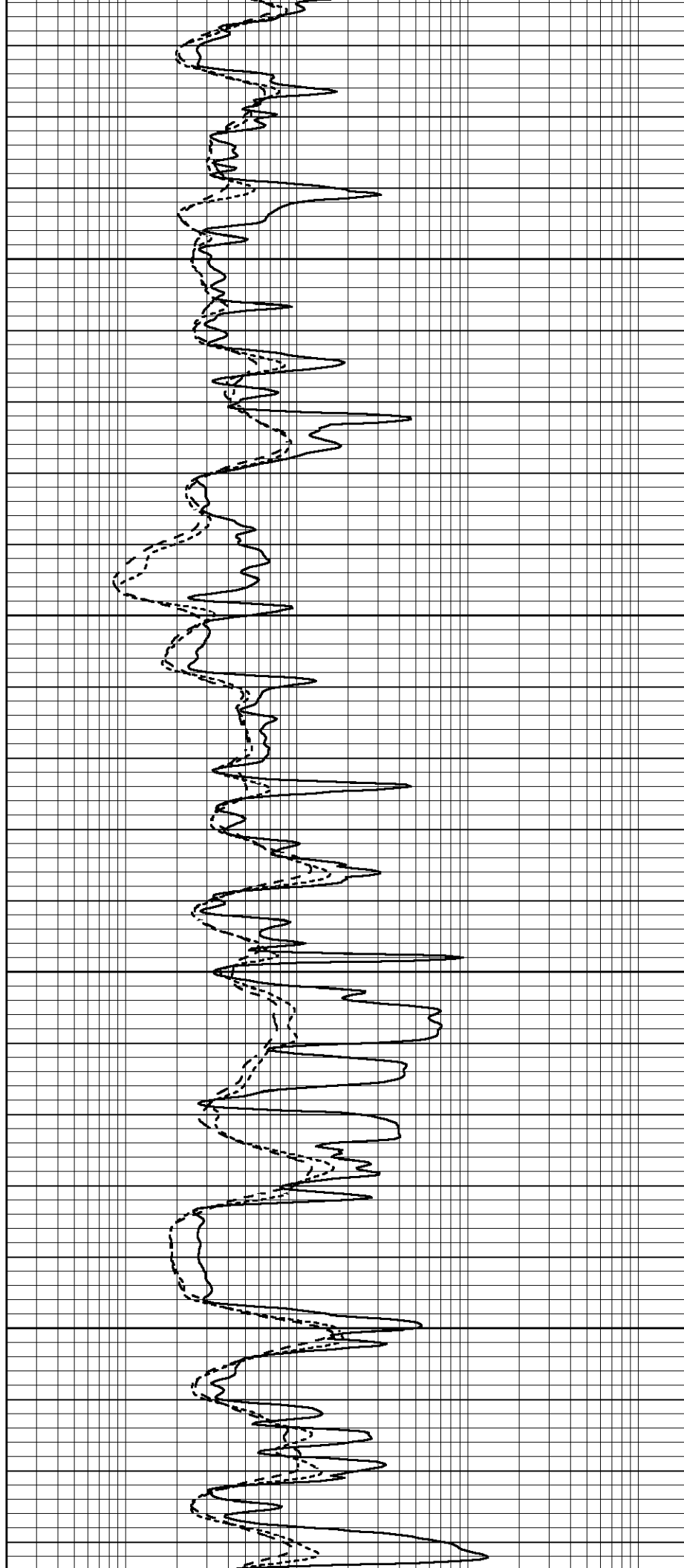


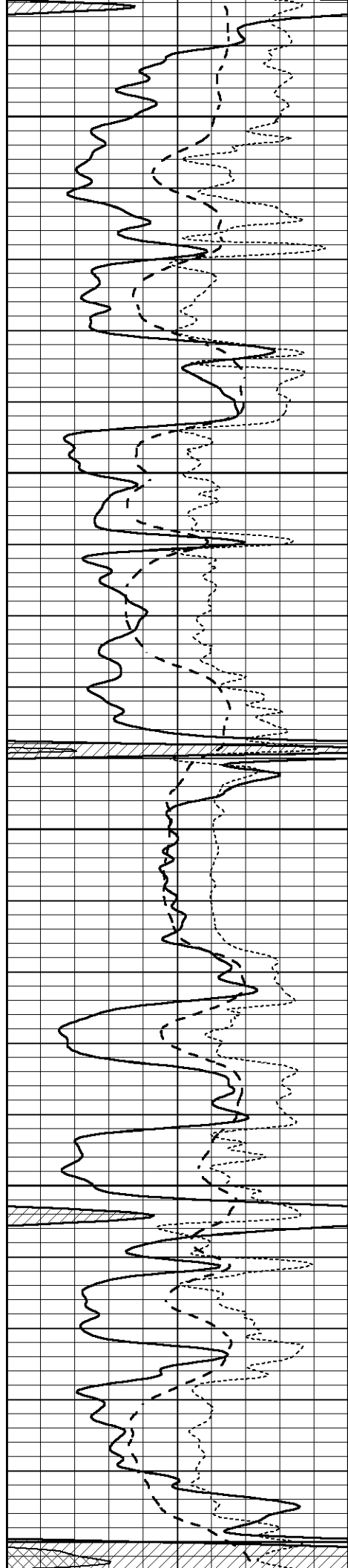
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3500

3550

3600





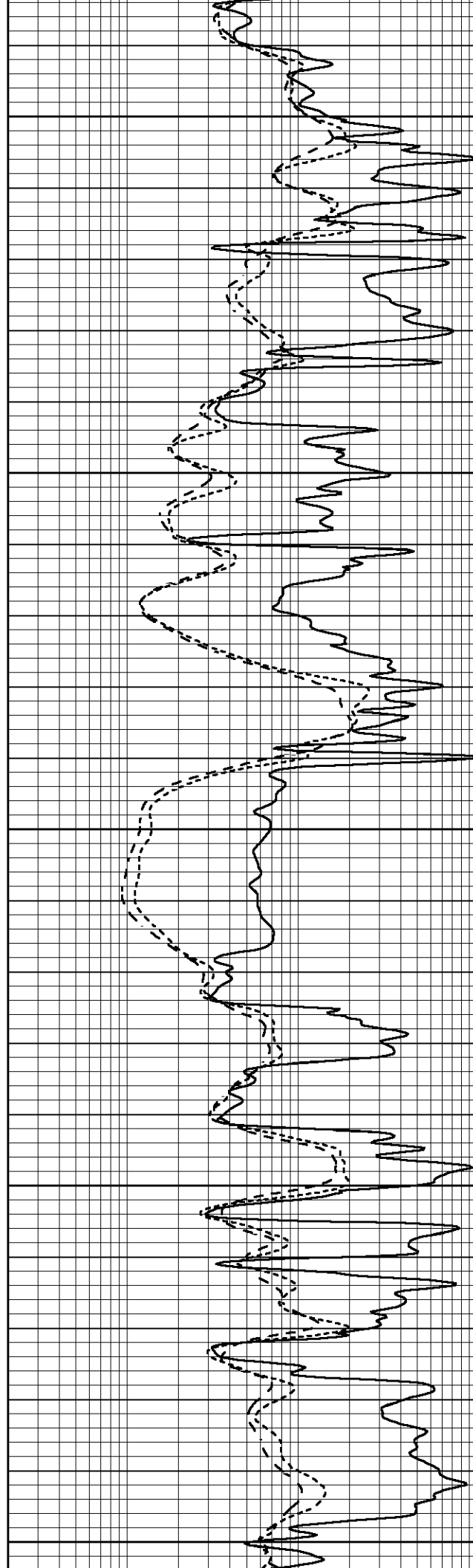
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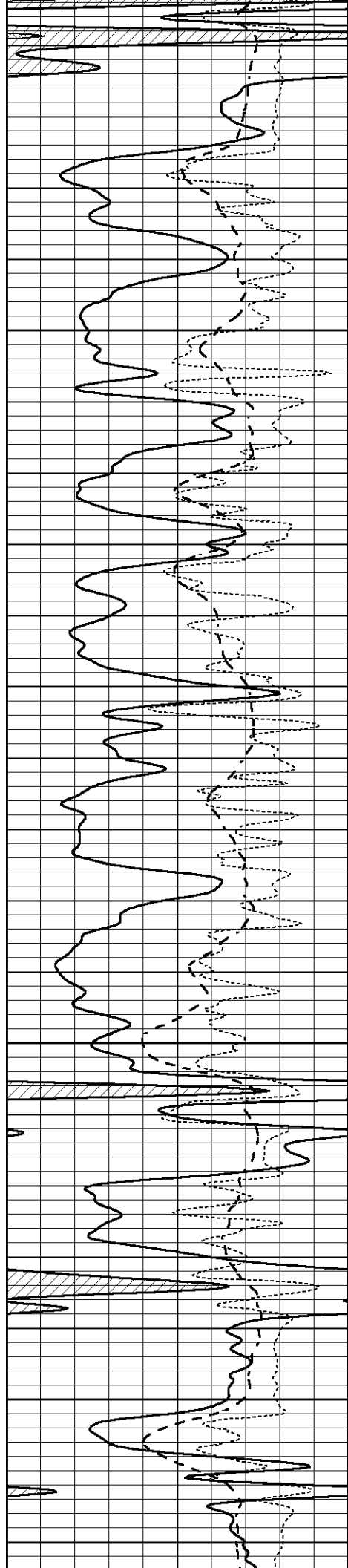
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3750

3800

3850



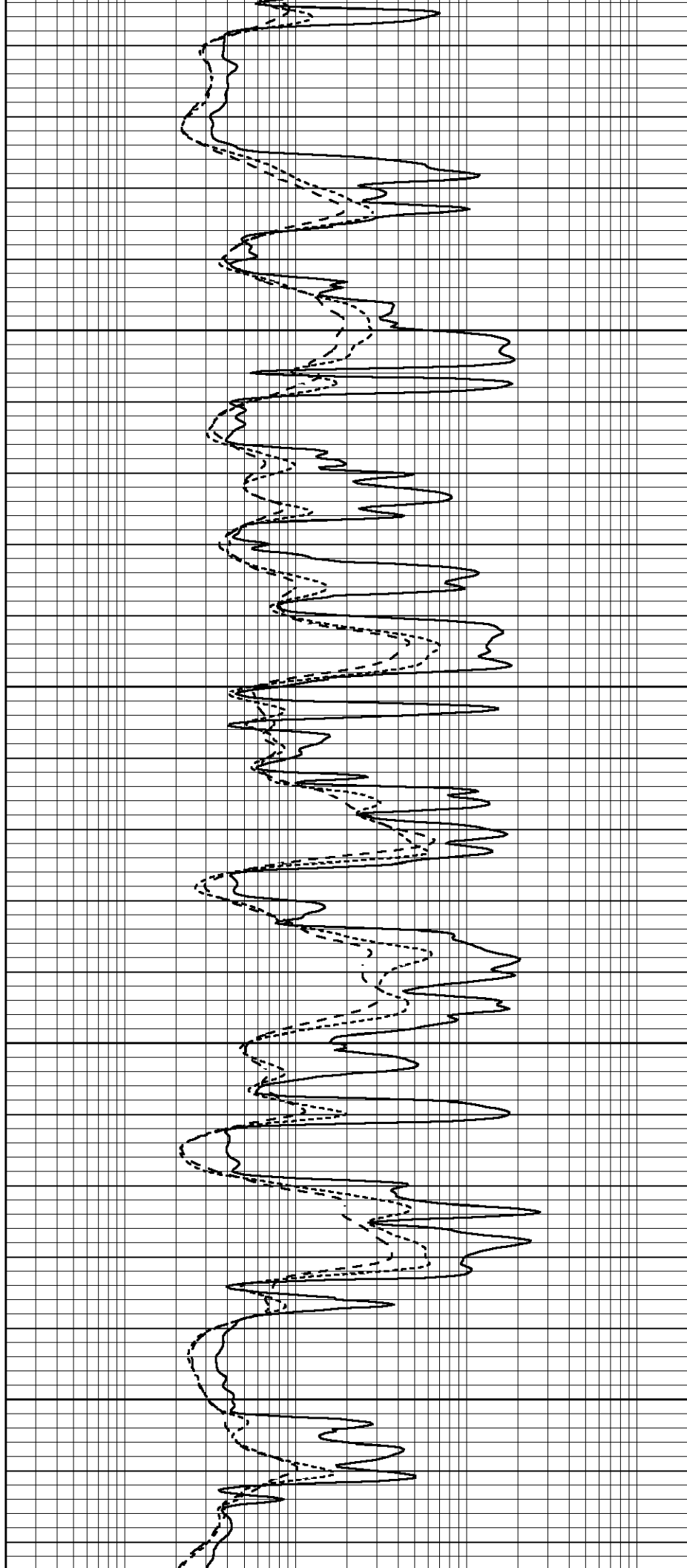


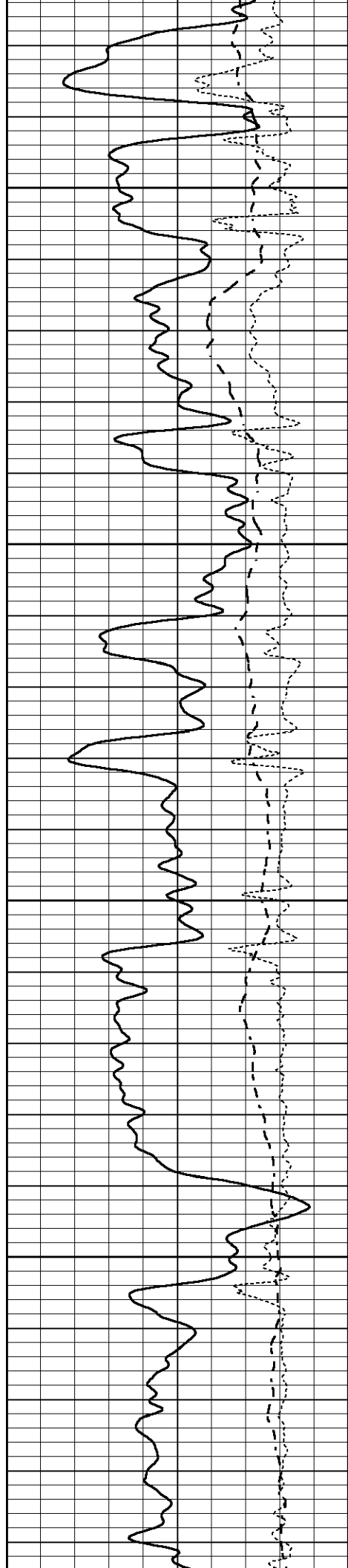
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3950

4000

4050



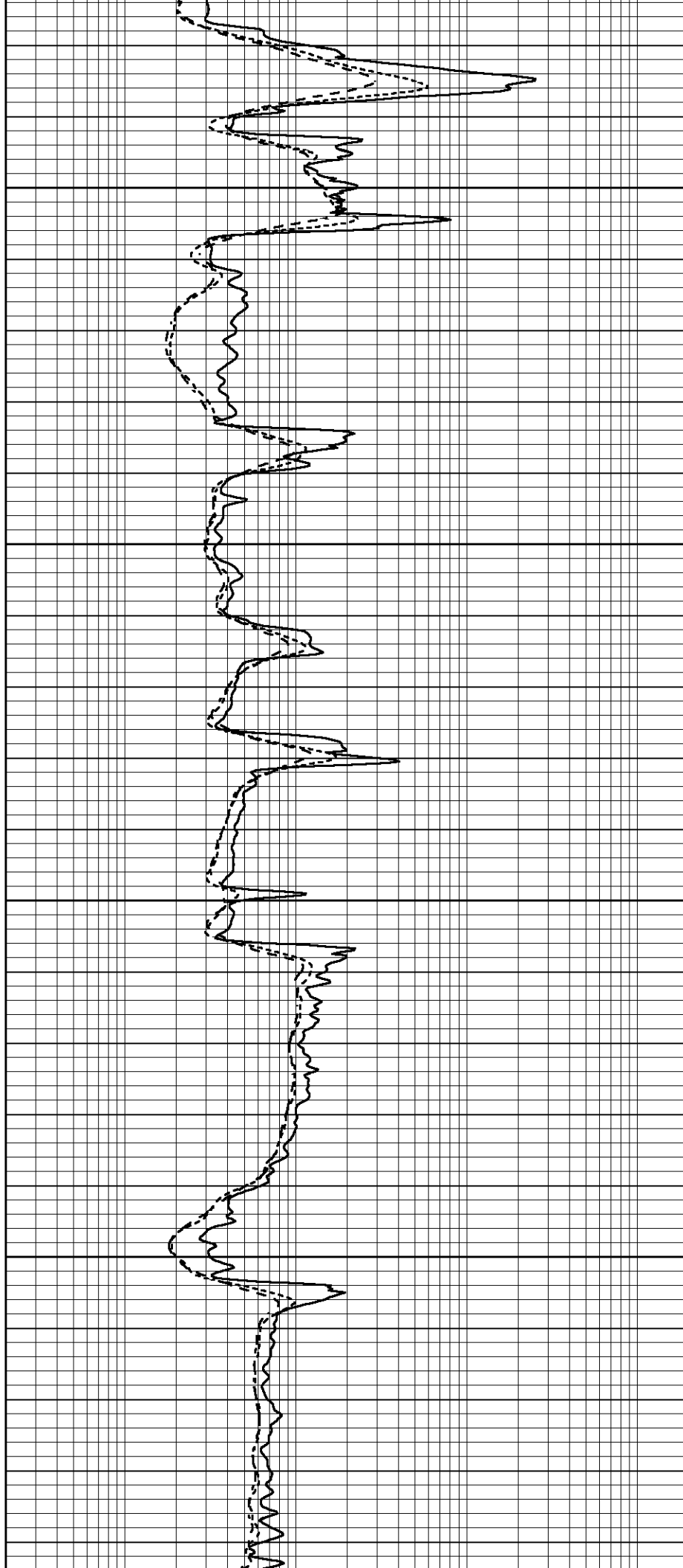


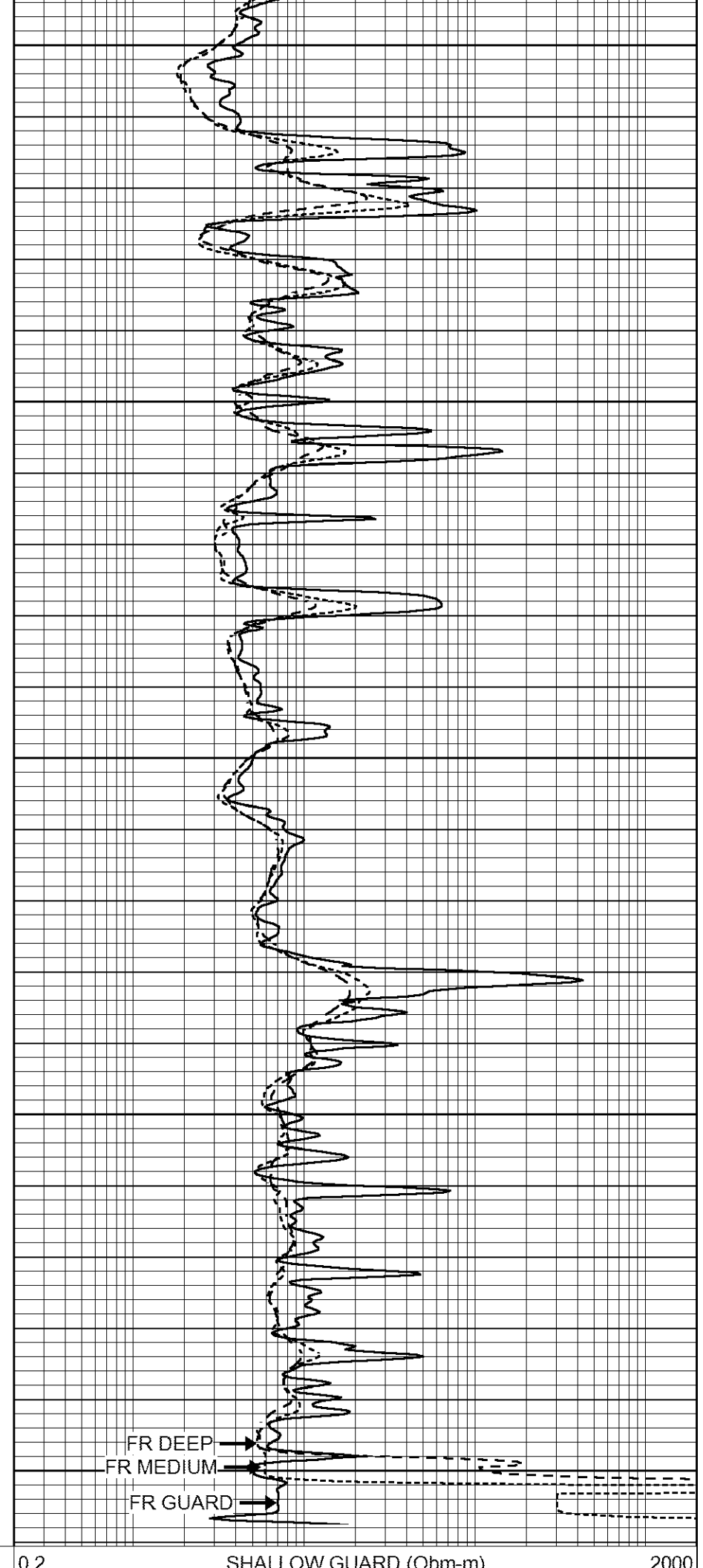
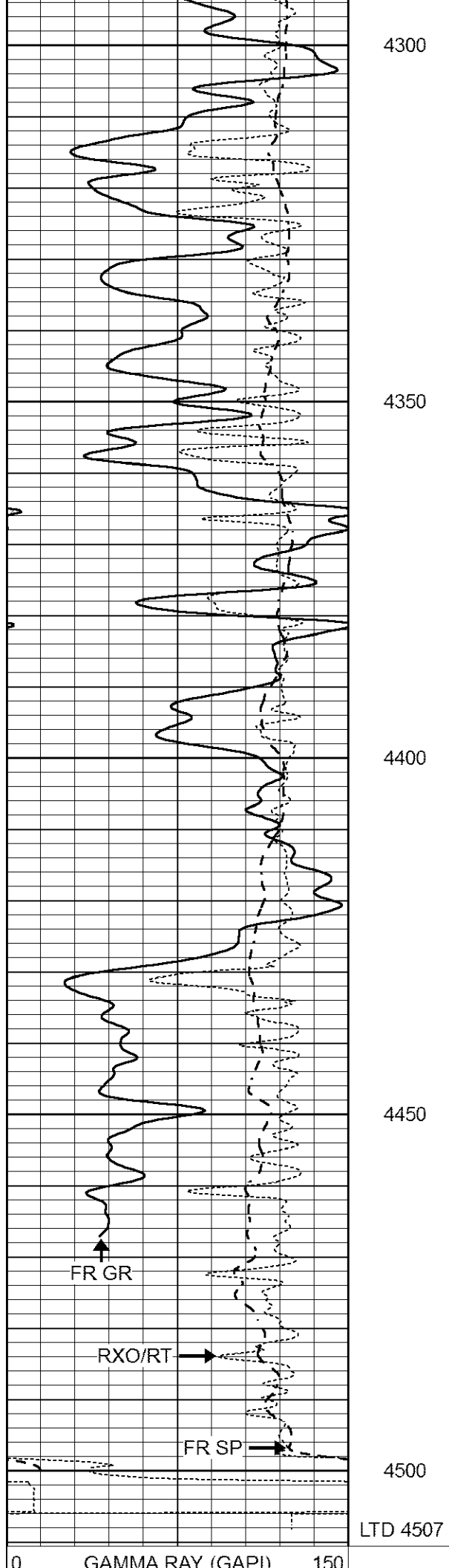
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4150

4200

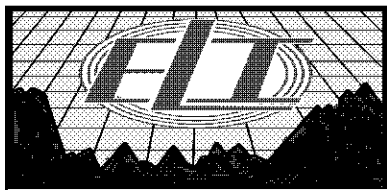
4250





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

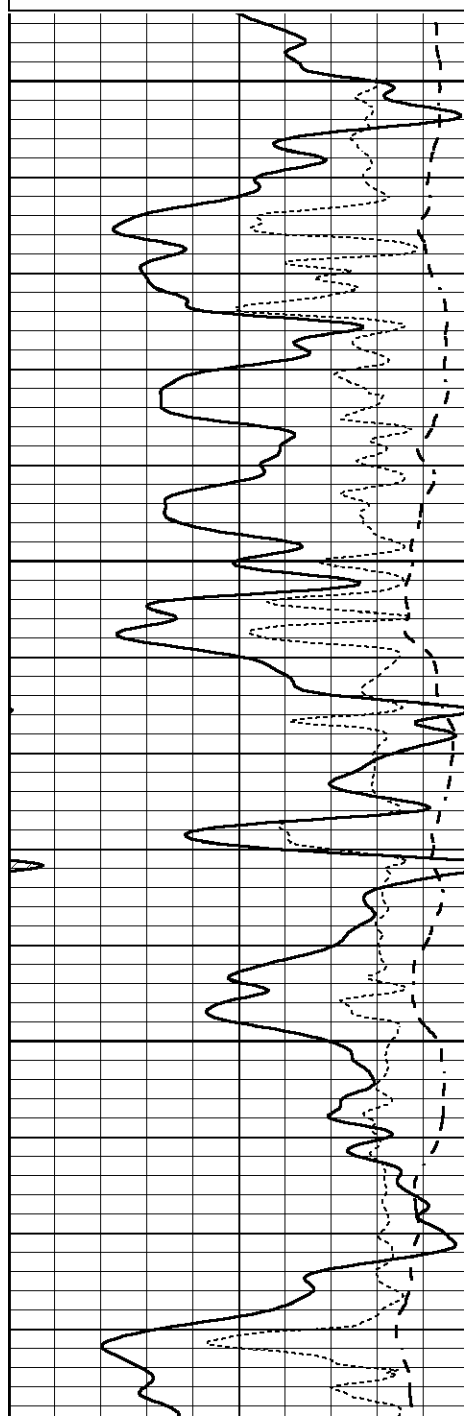


REPEAT SECTION

Database File 7008pe.db
 Dataset Pathname pass2.1
 Presentation Format _dil
 Dataset Creation Mon Sep 05 03:13:12 2022
 Charted by Depth in Feet scaled 1:240

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

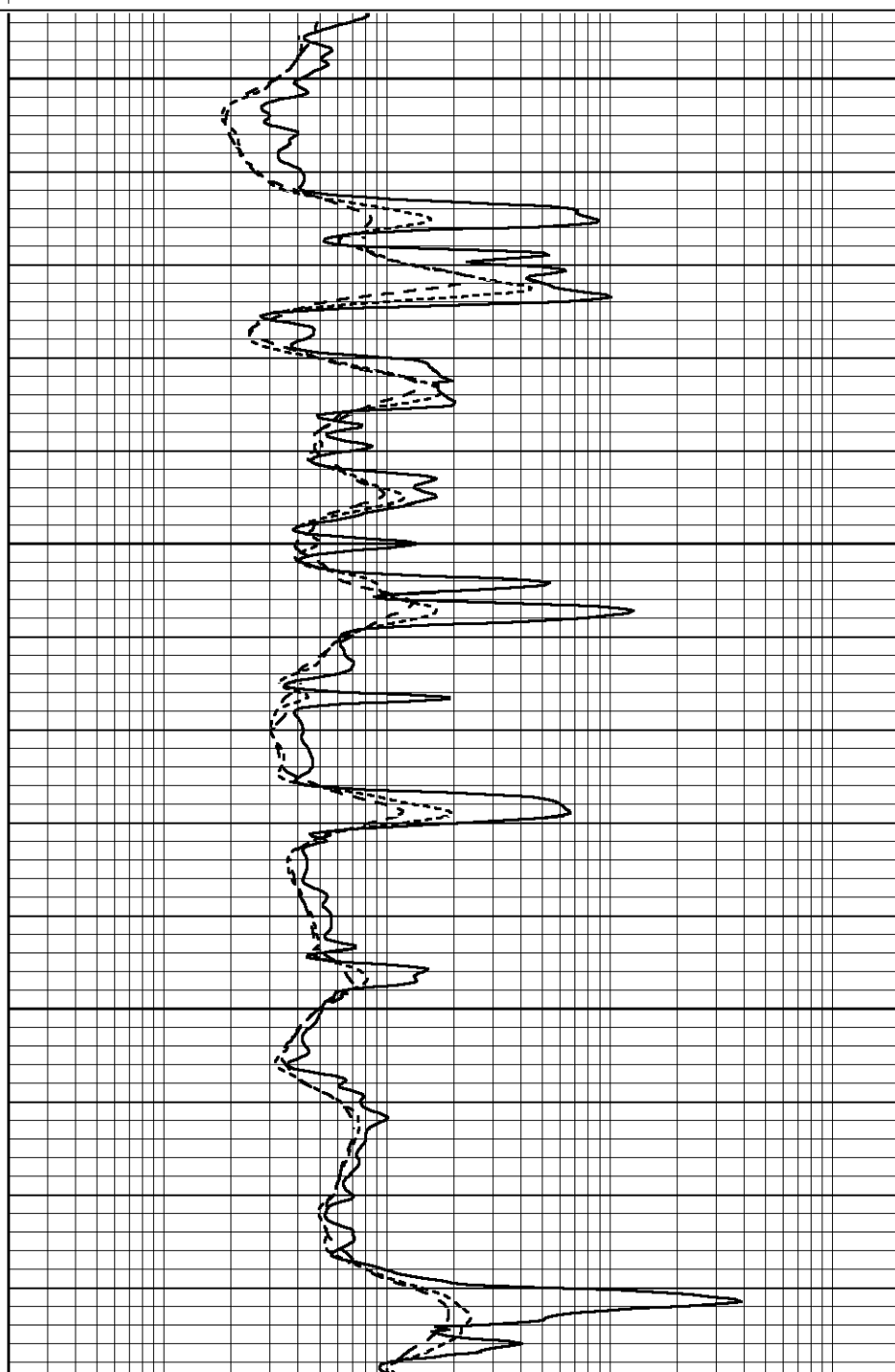
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000

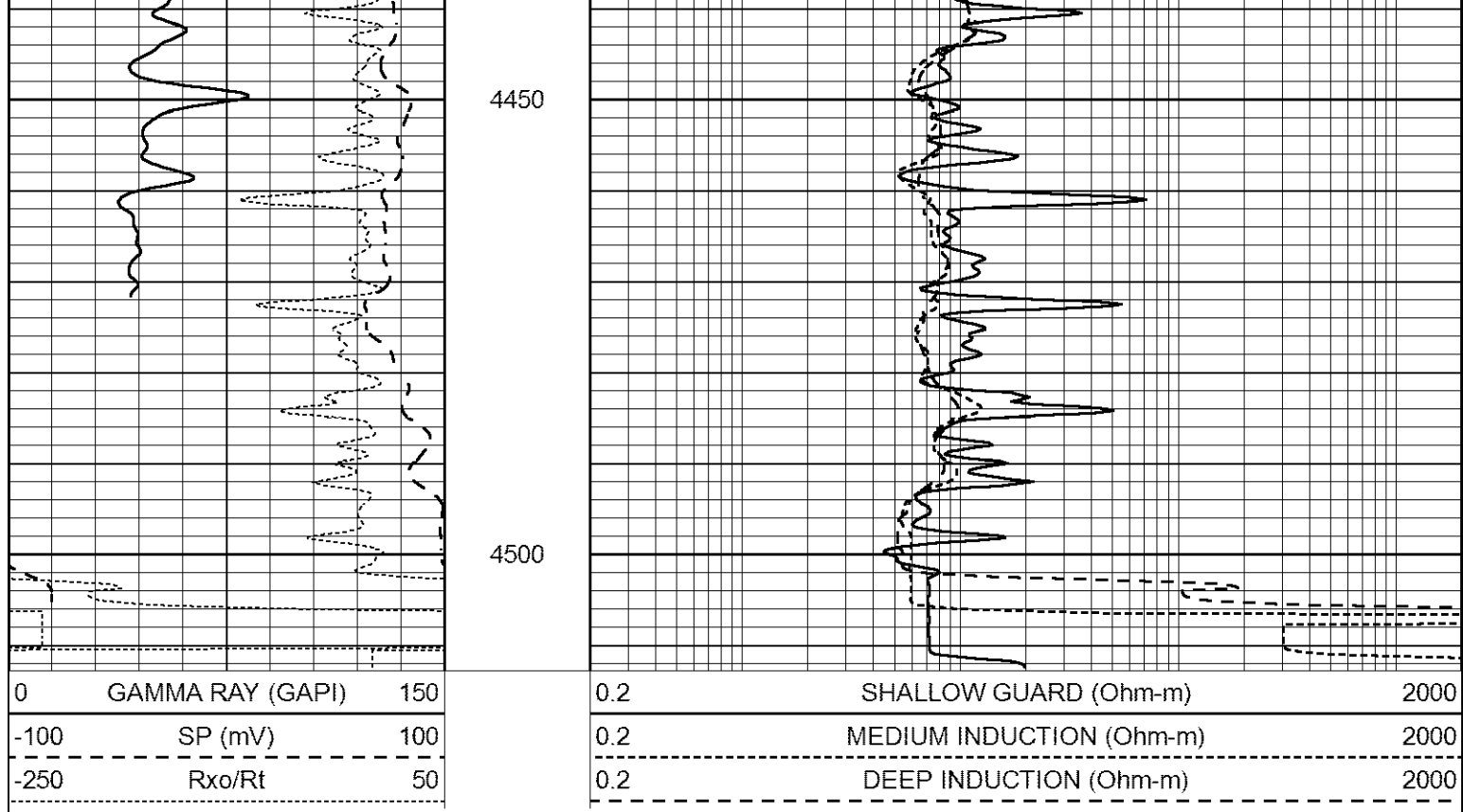


4300

4350

4400





Calibration Report									
Database File	7008pe.db								
Dataset Pathname	pass3M								
Dataset Creation	Mon Sep 05 03:00:12 2022								
Dual Induction Calibration Report									
Serial-Model:					FW1410-55-Probe				
Surface Cal Performed:					Thu Jun 30 01:48:00 2022				
Downhole Cal Performed:					Tue Feb 19 11:44:24 2019				
After Survey Verification Performed:					Tue Feb 19 11:44:27 2019				
Surface Calibration									
		Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b	
Deep	0.011	0.656	V	1.000	400.000	mmho/m	650.000	-4.000	
Medium	-0.000	0.731	V	1.000	464.000	mmho/m	632.856	-11.500	
Internal:	Zero	Cal		Zero	Cal		m	b	
Deep	0.007	0.649	V	0.000	400.000	mmho/m	623.784	-4.595	
Medium	0.004	0.743	V	0.000	464.000	mmho/m	627.284	-2.251	
Downhole Calibration									
		Readings			References			Results	
	Zero	Cal		Zero	Cal		m'	b'	
Deep	-0.824	395.917	mmho/m	-0.976	397.550	mmho/m	1.004	-0.149	
Medium	3.565	471.327	mmho/m	3.468	471.590	mmho/m	1.001	-0.099	
LL3		7.503	V		1500.000	Ohm-m			
		0.001	V		20.000	Ohm-m			
		-7.481	V		3745.000	mmho-m			
After Survey Verification									
		Readings			Targets			Results	

	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	-0.824	395.917	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	3.565	471.327	mmho/m	1.000	0.000
LL3		0.000	Ohm-m		1500.000	Ohm-m		
		0.000	Ohm-m		20.000	Ohm-m		
		0.000	mmho-m		3745.000	mmho-m		

Litho Density Calibration Report
Serial: 140704
Model: V4_10P
Source Number: 74GBq-19

Master Calibration

Performed: Wed Jul 20 12:36:34 2022

	Background	Aluminum	Magnesium		
Window 1	503.67	5439.20	23645.11	cps	
Window 2	40.11	1218.66	5702.60	cps	
Window 4	221.18	1240.69	5295.43	cps	
Window 5	542.56	7631.48	14305.13	cps	
Window 6	41.67	1209.53	2345.40	cps	
Window 8	256.91	2493.92	4591.85	cps	
Bulk Density	-	2.6020	1.6830	g/cc	
Pe	-	3.0000	2.5070	b/e	
LS Alpha:	: -1.8302	SS Alpha:	: -0.7503	LS CPE:	: 1.1699
LS Beta:	: 122464.5983	SS Beta:	: 16307.0478	SS CPE:	: 1.6095

Before Survey Background Counts Verification

Performed: Wed Dec 31 18:00:00 1969

Window 1	0.00	cps
Window 2	0.00	cps
Window 4	0.00	cps
Window 5	0.00	cps
Window 6	0.00	cps
Window 8	0.00	cps

After Survey Background Counts Verification

Performed: Wed Dec 31 18:00:00 1969

Window 1	0.00	cps
Window 2	0.00	cps
Window 4	0.00	cps
Window 5	0.00	cps
Window 6	0.00	cps
Window 8	0.00	cps

Lithodensity Caliper Calibration

Performed: Wed Jul 20 12:36:34 2022

Results	Readings	References (in)		Gain	Offset
Low	High	Low	High		
11331.0	15645.5	8.0	14.0	0.0	-7.8

Before Survey Caliper Verification

Performed:

Reference	Reading
Caliper (in)	

After Survey Caliper Verification		Performed:	
Reference	Reading		
Caliper (in)			

Compensated Neutron Calibration Report

Serial Number:		080621PMC	
Tool Model:		NABORS	

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:	7		
Tool Model:	Probe1		
Performed:	Thu May 26 08:56:46 2022		
Calibrator Value:	1.0	GAPI	
Background Reading:	0.0	cps	
Calibrator Reading:	1.0	cps	
Sensitivity:	0.5500	GAPI/cps	