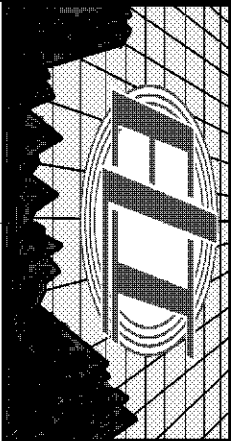


DUAL INDUCTION LOG



Company VINCENT OIL CORPORATION

Well IMEL #3-6

Field

County FORD

State KANSAS

Location: API # : 15-057-20975-0000

3008' FSL & 1741' FEL

SEC 6 TWP 29S RGE 22W

Permanent Datum GROUND LEVEL Elevation 2506
Log Measured From KELLY BUSHING 12' A.G.L.
Drilling Measured From KELLY BUSHING

Other Services
CDL/CNL/PE
MEL/SON
Elevation
K.B. 2518
D.F. 2516
G.L. 2506

Date 12/8/16

Run Number ONE

Depth Driller 5331

Depth Logger 5335

Bottom Logged Interval 5333

Top Log Interval 00

Casing Driller 8 5/8" @ 730'

Casing Logger 728'

Bit Size 7 7/8

Type Fluid in Hole CHEMICAL MUD

Density / Viscosity 9.4/59

pH / Fluid Loss 10.5/8.4

Source of Sample FLOWLINE

Rm @ Meas. Temp .60 @ 65F

Rmf @ Meas. Temp .45 @ 65F

Rmc @ Meas. Temp .72 @ 65F

Source of Rmf / Rmc MEASUREMENT

Rm @ BHT .30 @ 128F

Time Circulation Stopped 2 HOURS

Time Logger on Bottom

Maximum Recorded Temperature 128F

Equipment Number 3802

Location HAYS, KANSAS

Recorded By JASON CAPPELLUCCI

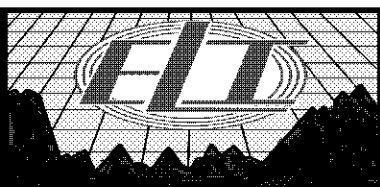
Witnessed By KEN LeBLANC

<<< Fold Here >>>

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
FORD, KS. - SOUTH ON BLK TOP TO WILBURN RD. - 1/2 SOUTH TO TANK BATTERY
WEST INTO

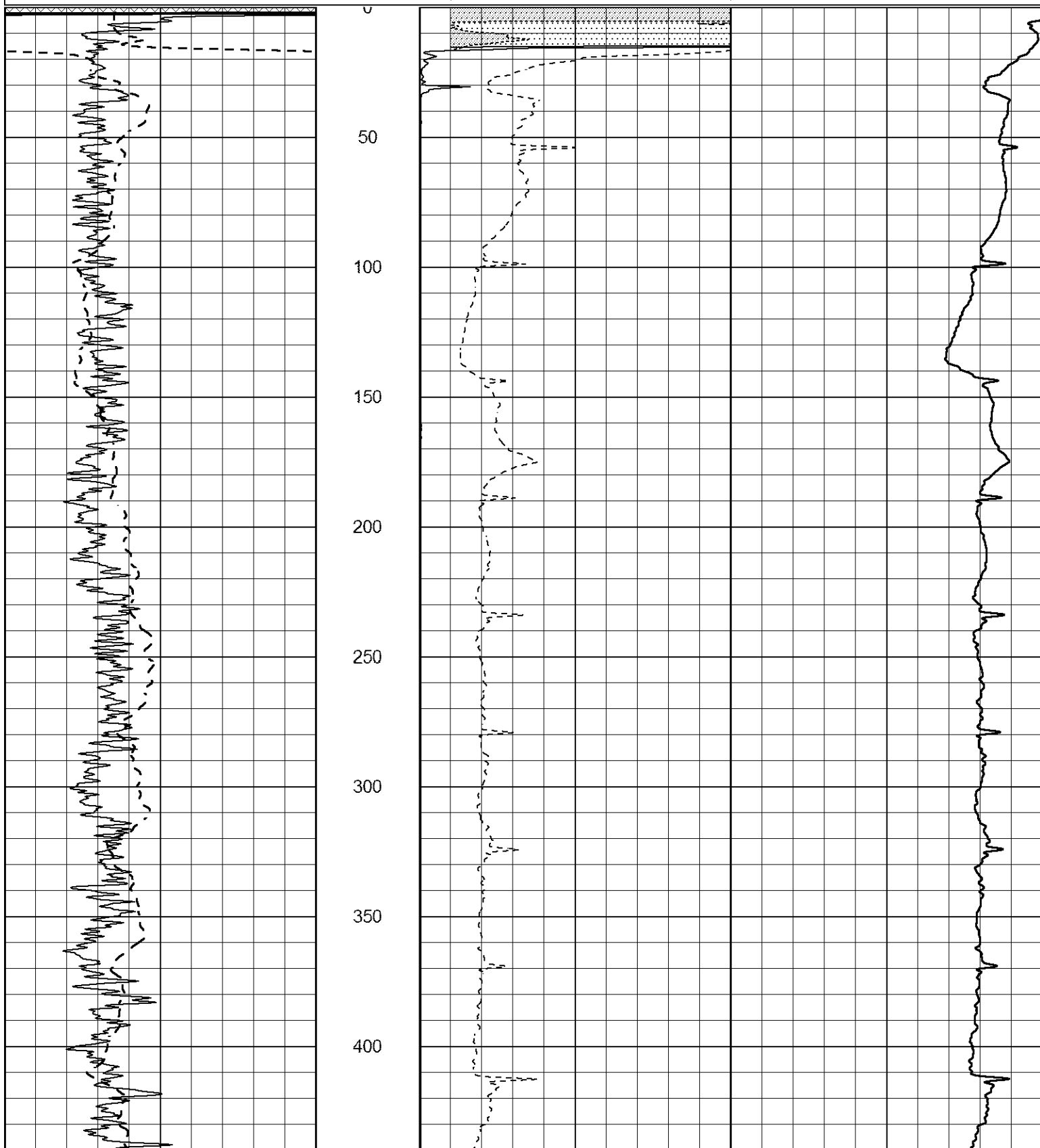


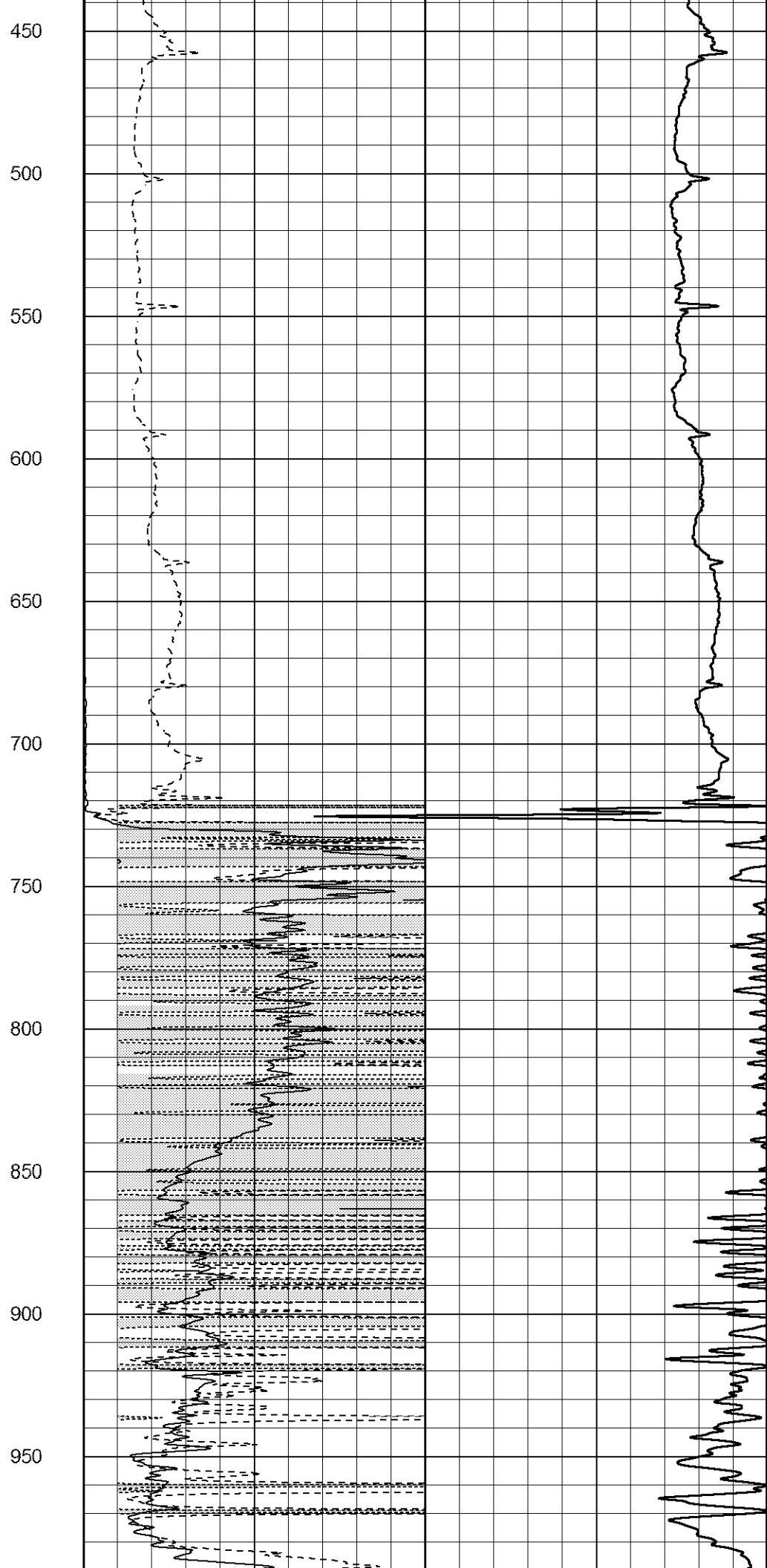
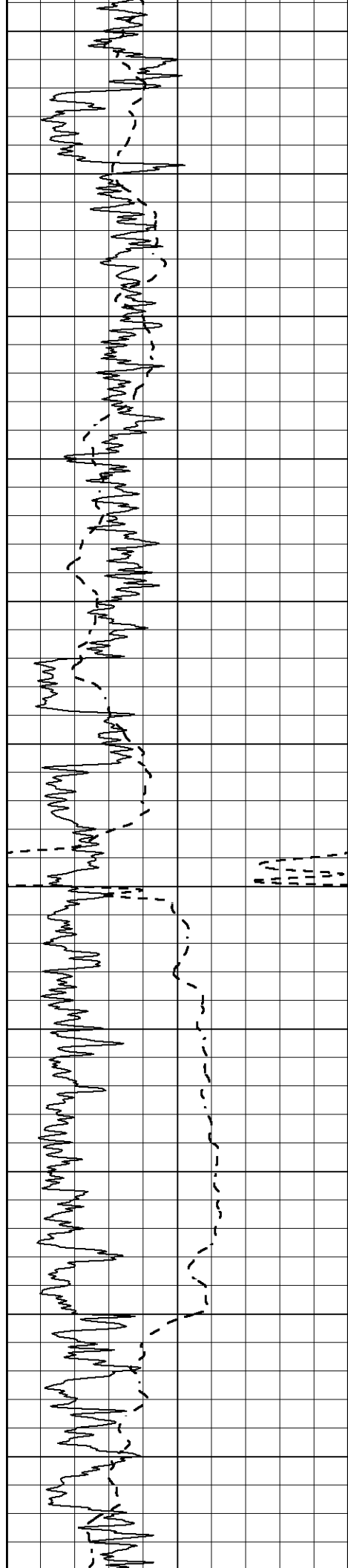
MAIN SECTION

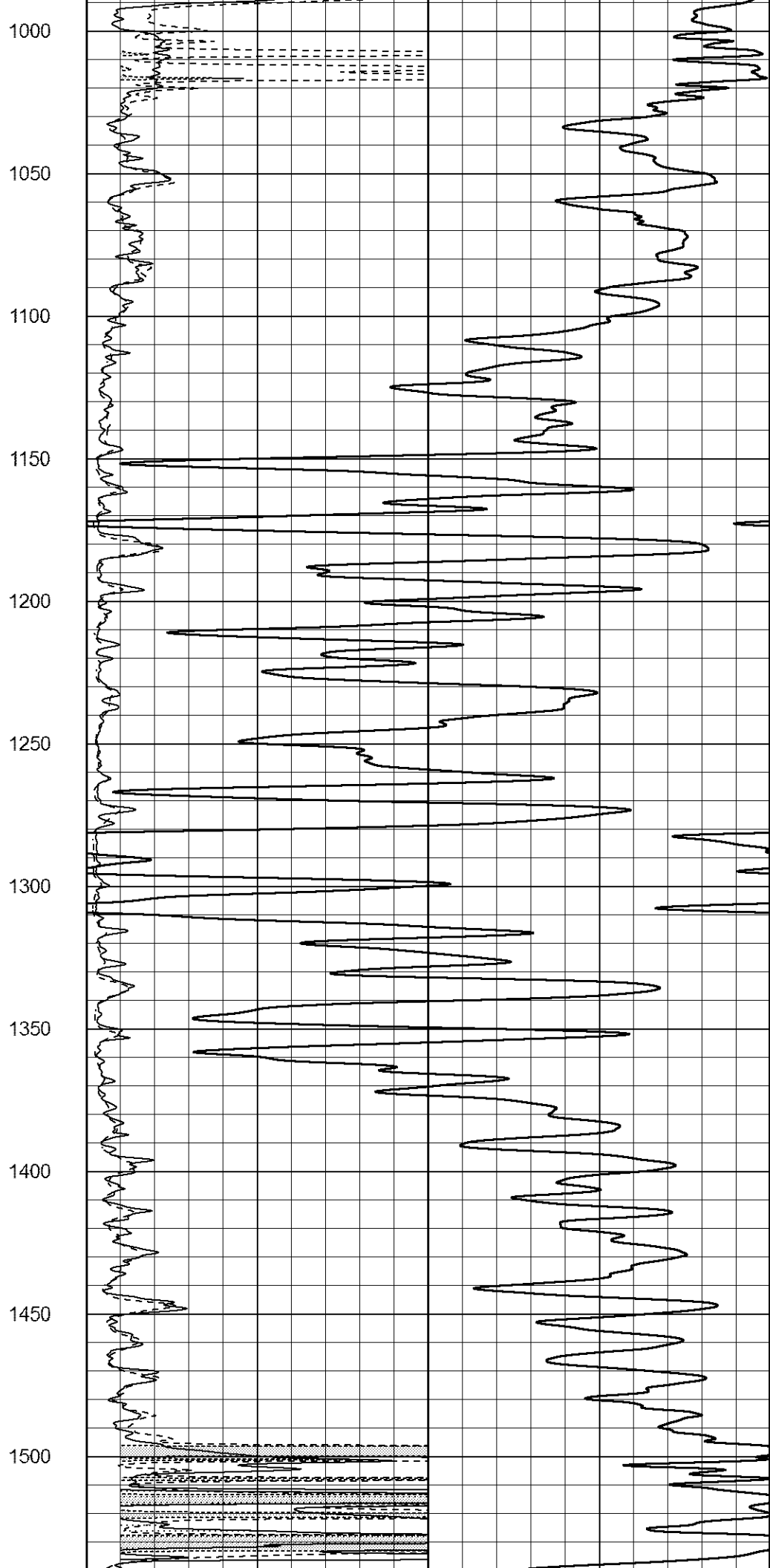
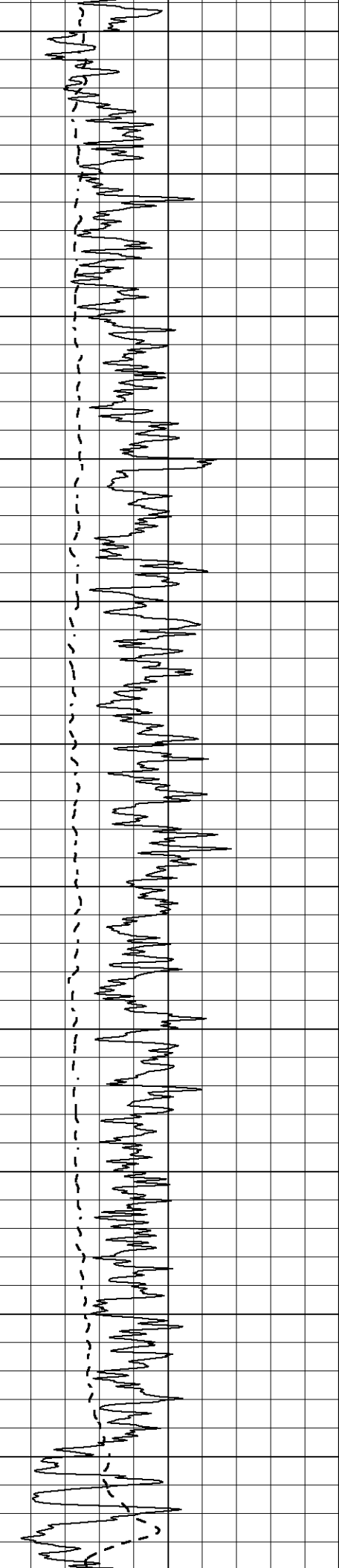
Database File 1108pe8.db
Dataset Pathname pass3.3
Presentation Format _dil2
Dataset Creation Thu Dec 08 12:37:17 2016
Charted by Depth in Feet scaled 1:600

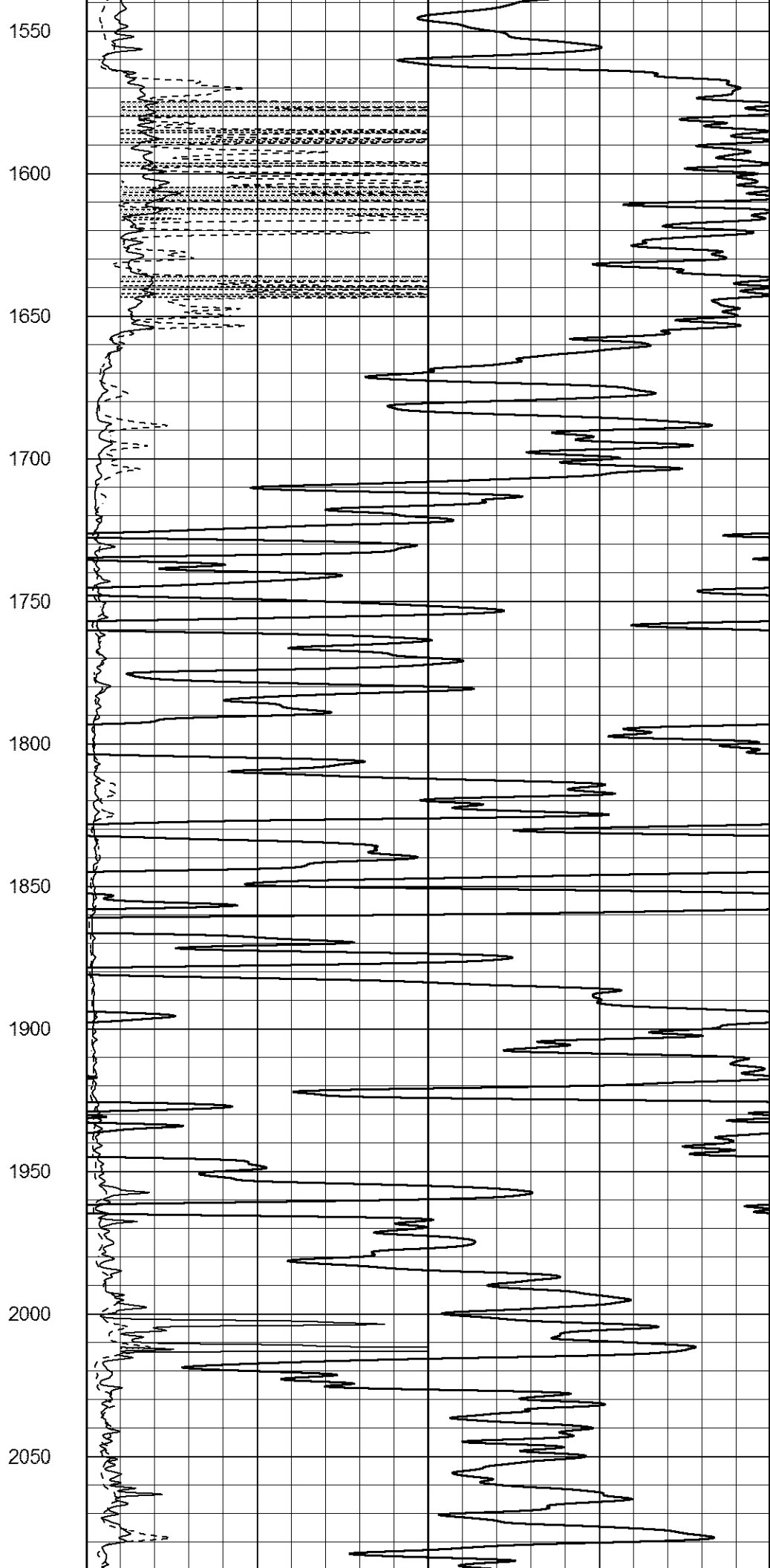
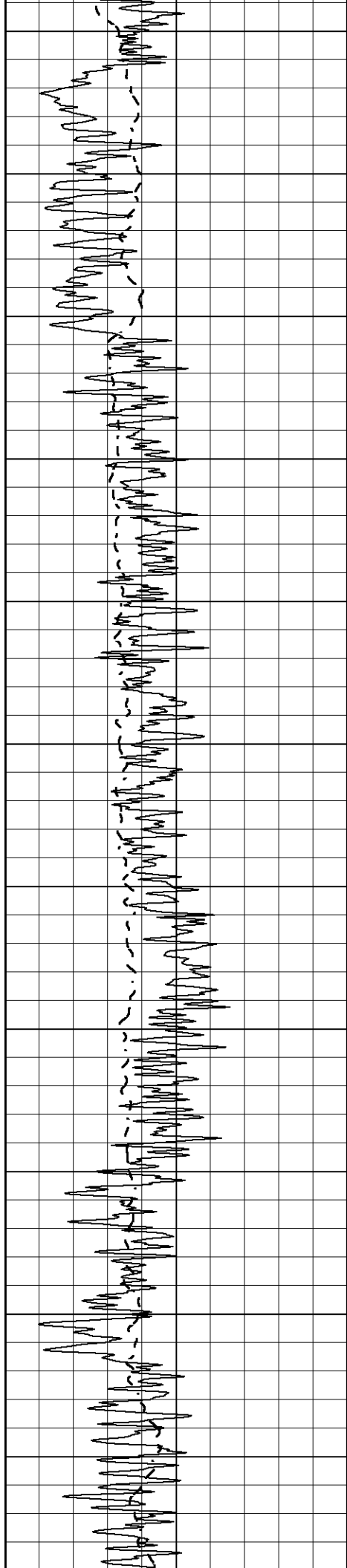
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-100 SP (mV) 100

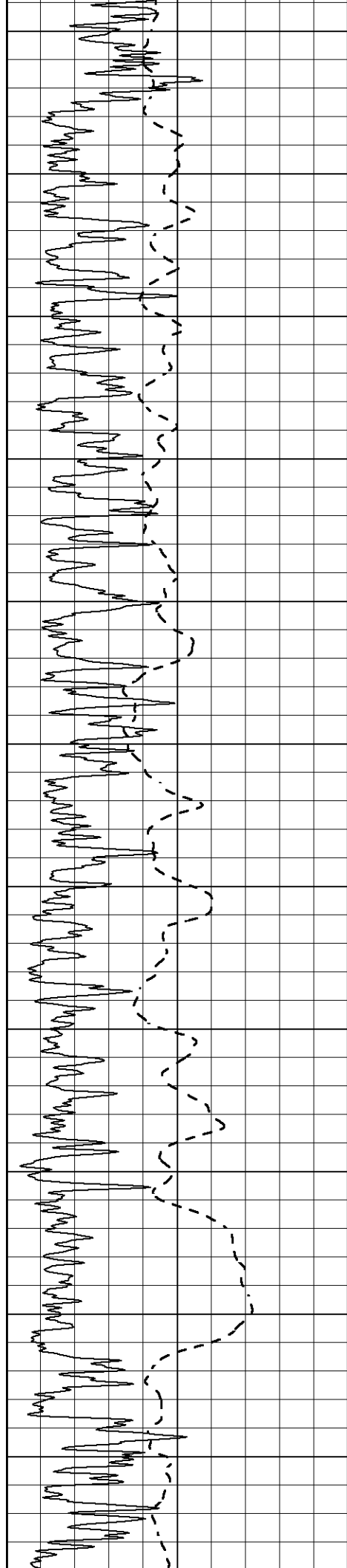
1000 CILD (mmho/m) 0
0 RLL3 (Ohm-m) 50
0 Deep Induction (Ohm-m) 50
50 RILD X10 (Ohm-m) 500
50 RLL3 X10 (Ohm-m) 500











2100

2150

2200

2250

2300

2350

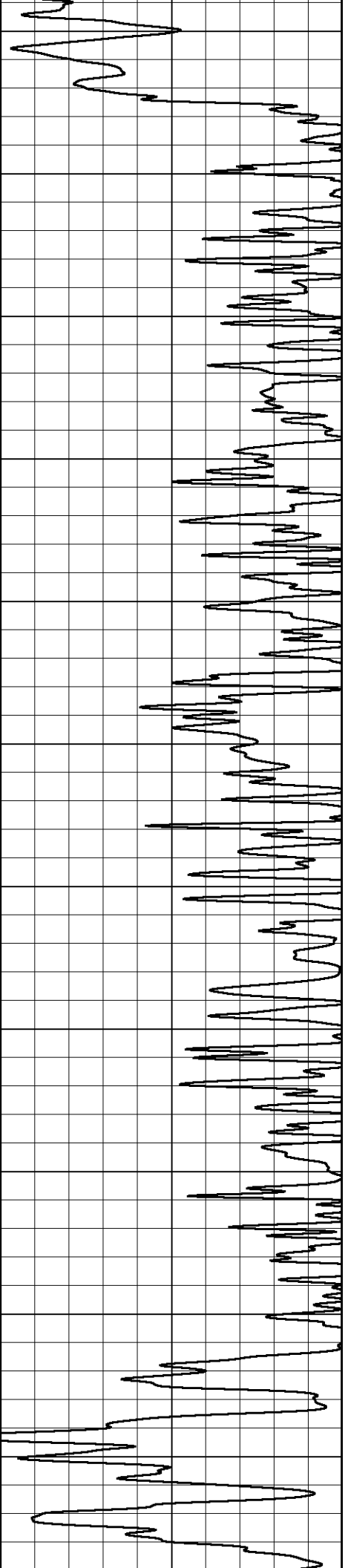
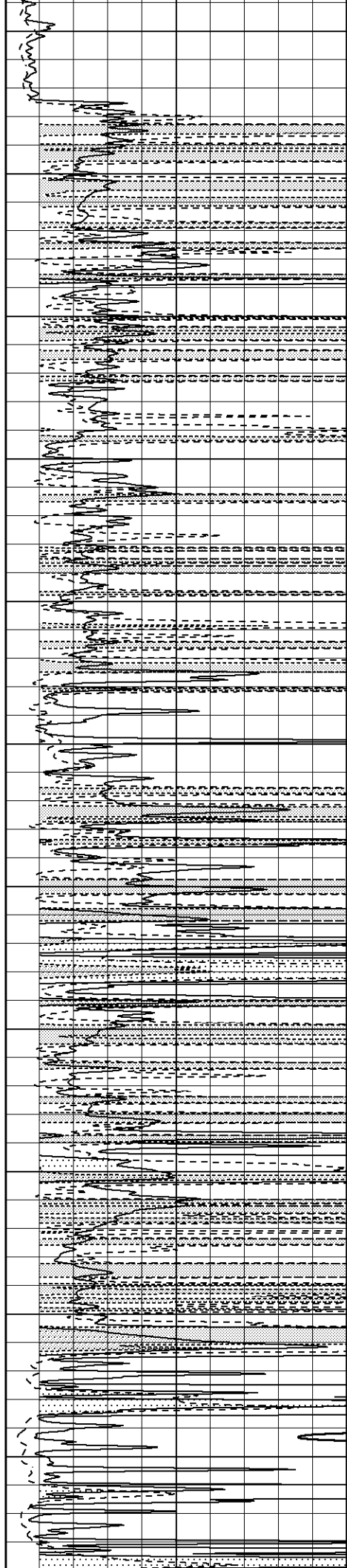
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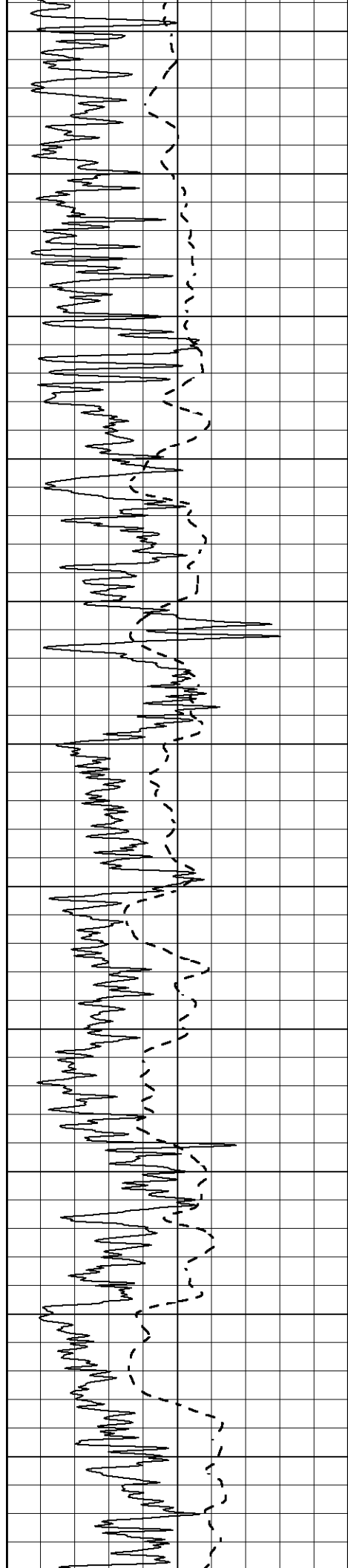
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2500

2550

2600





2650

2700

2750

2800

2850

2900

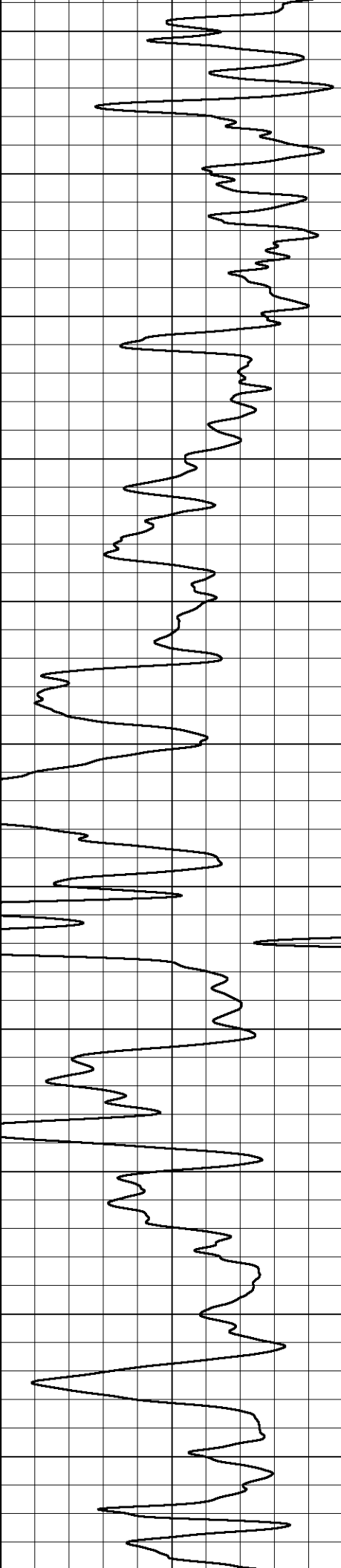
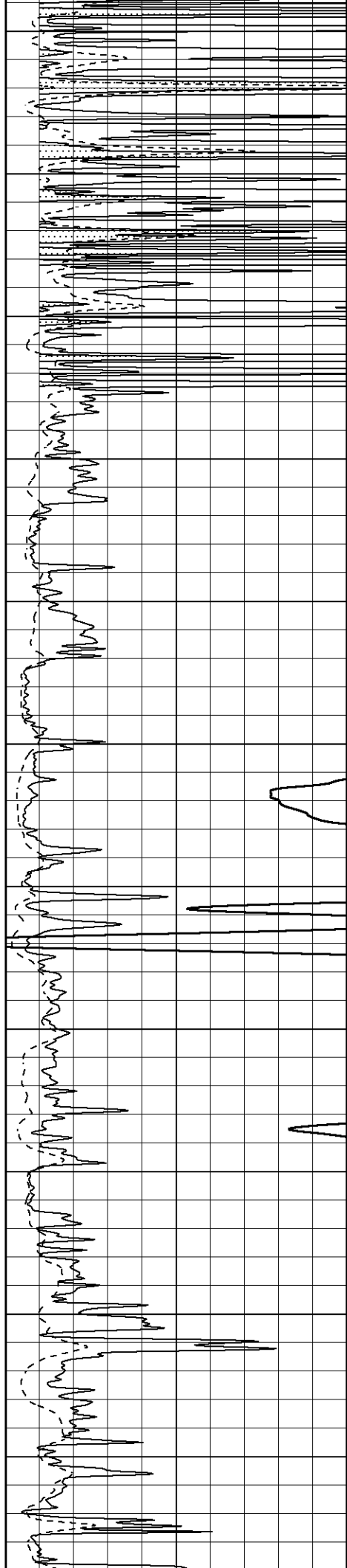
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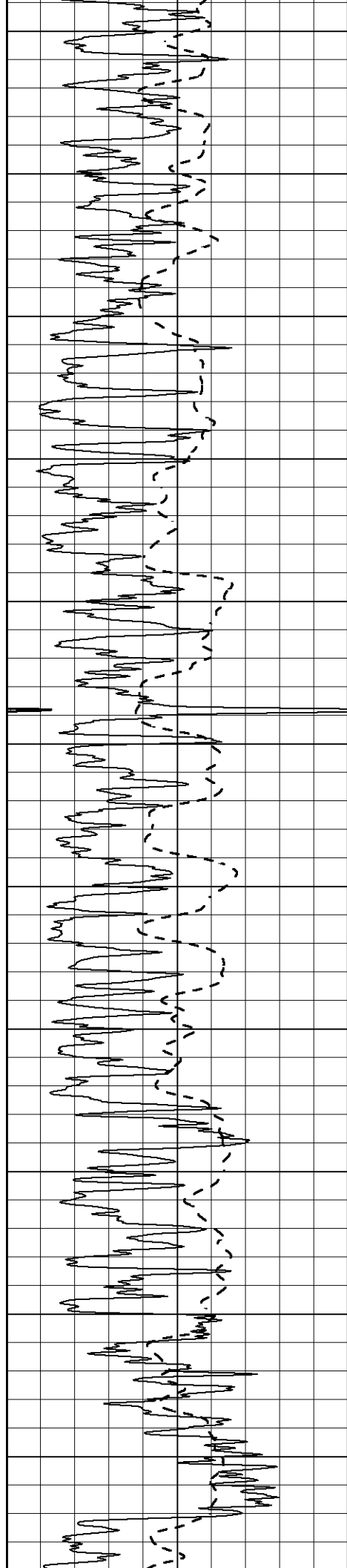
3000

3050

3100

3150





3200

3250

3300

3350

3400

3450

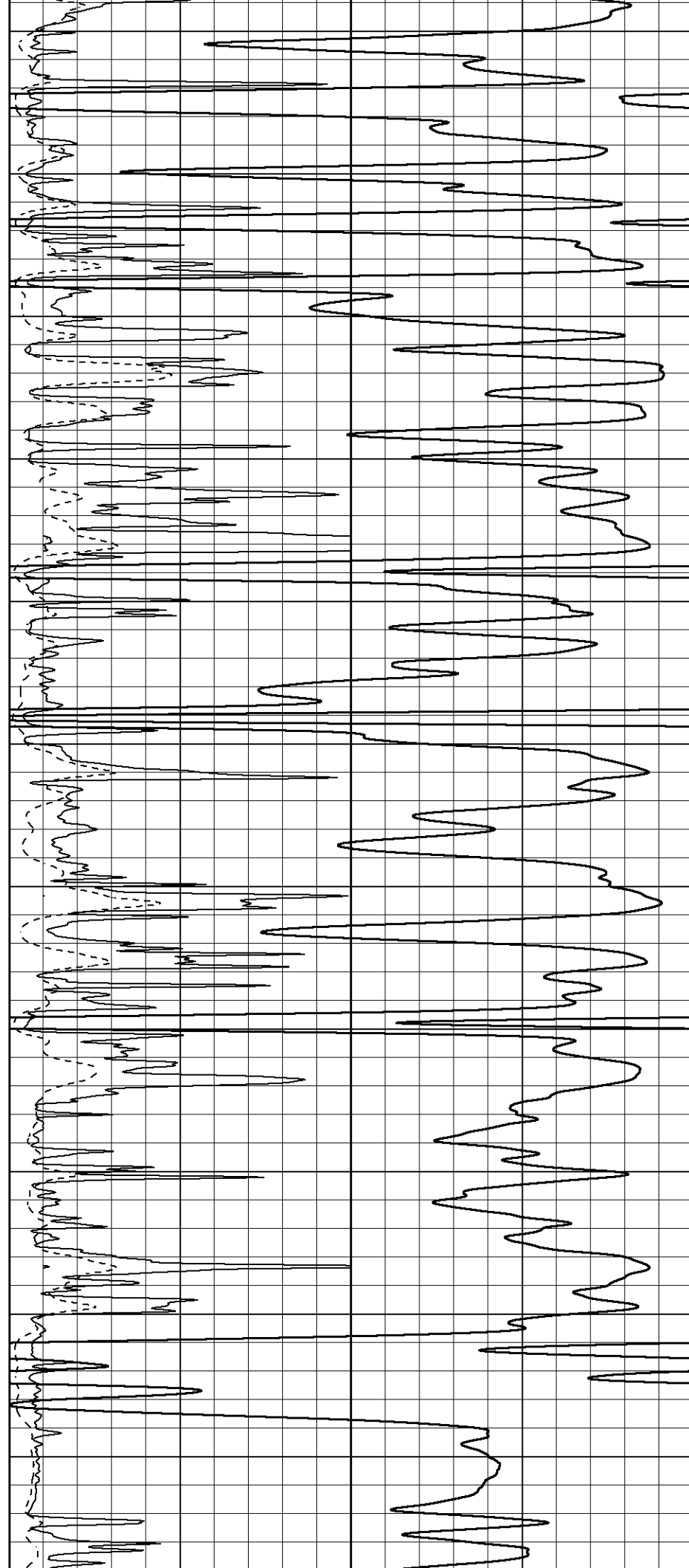
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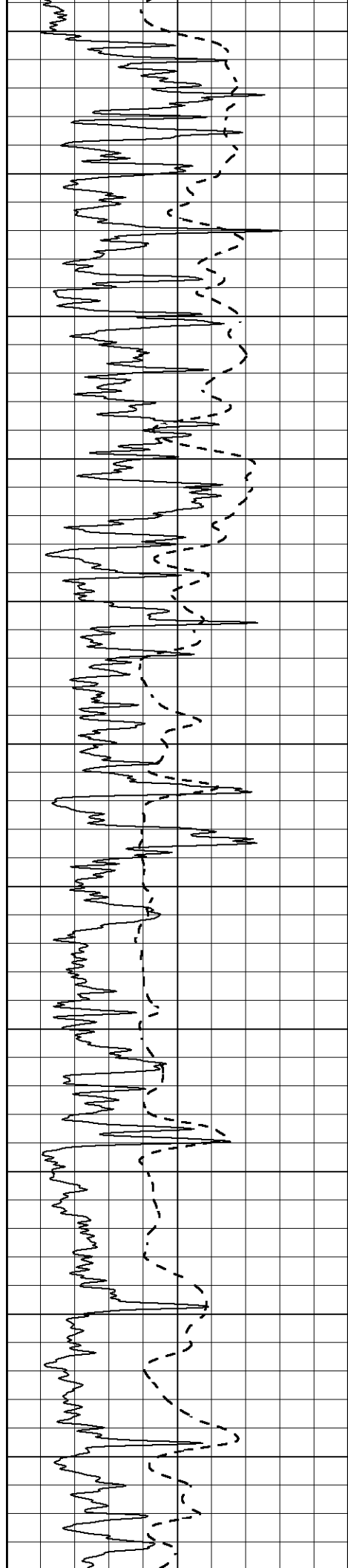
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3600

3650

3700





3750

3800

3850

3900

3950

4000

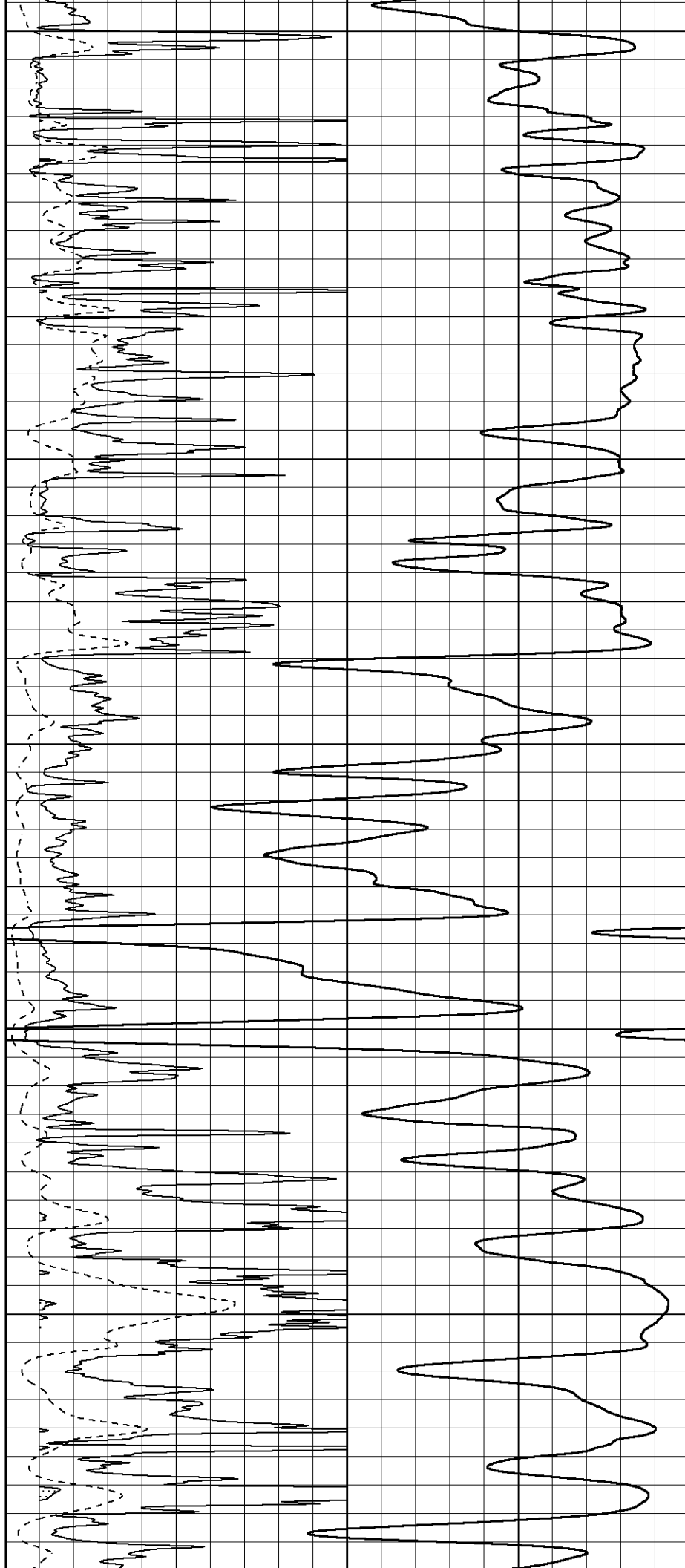
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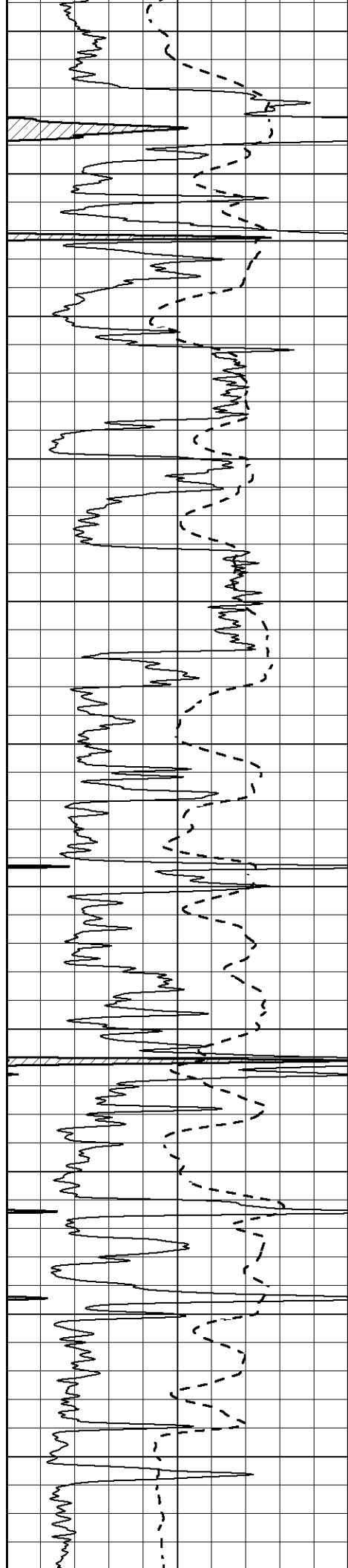
4100

4150

4200

4250





4300

4350

4400

4450

4500

4550

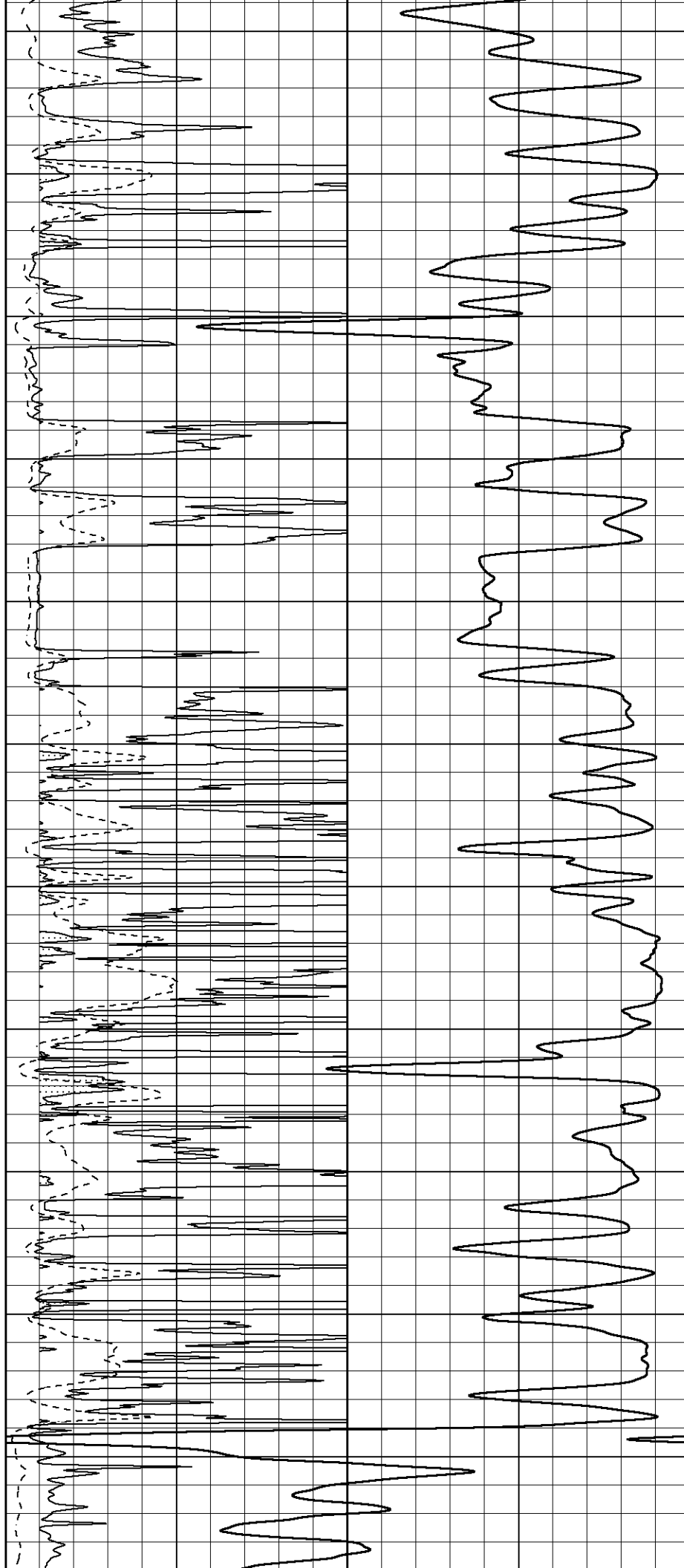
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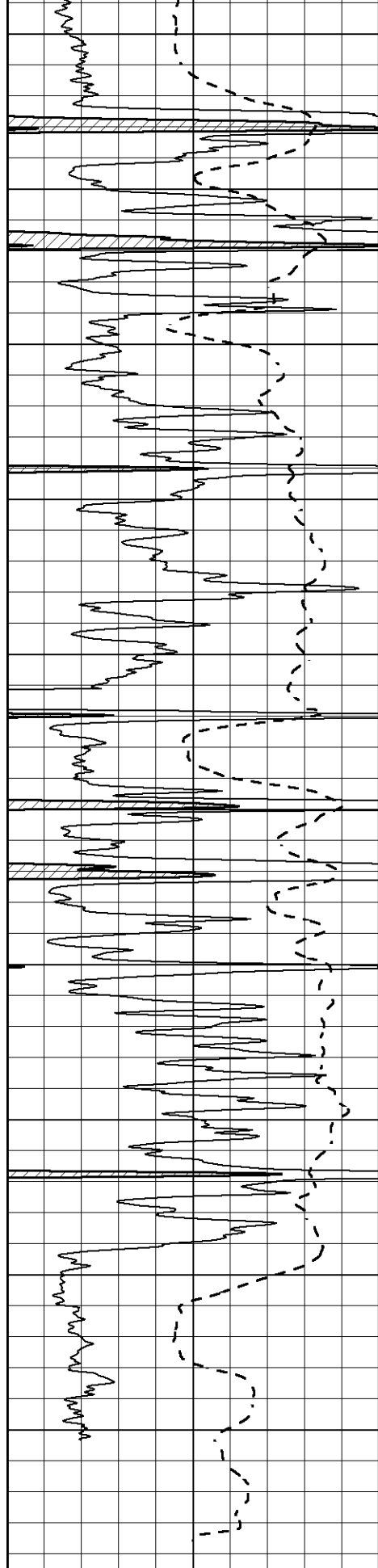
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4700

4750

4800





4850

4900

4950

5000

5050

5100

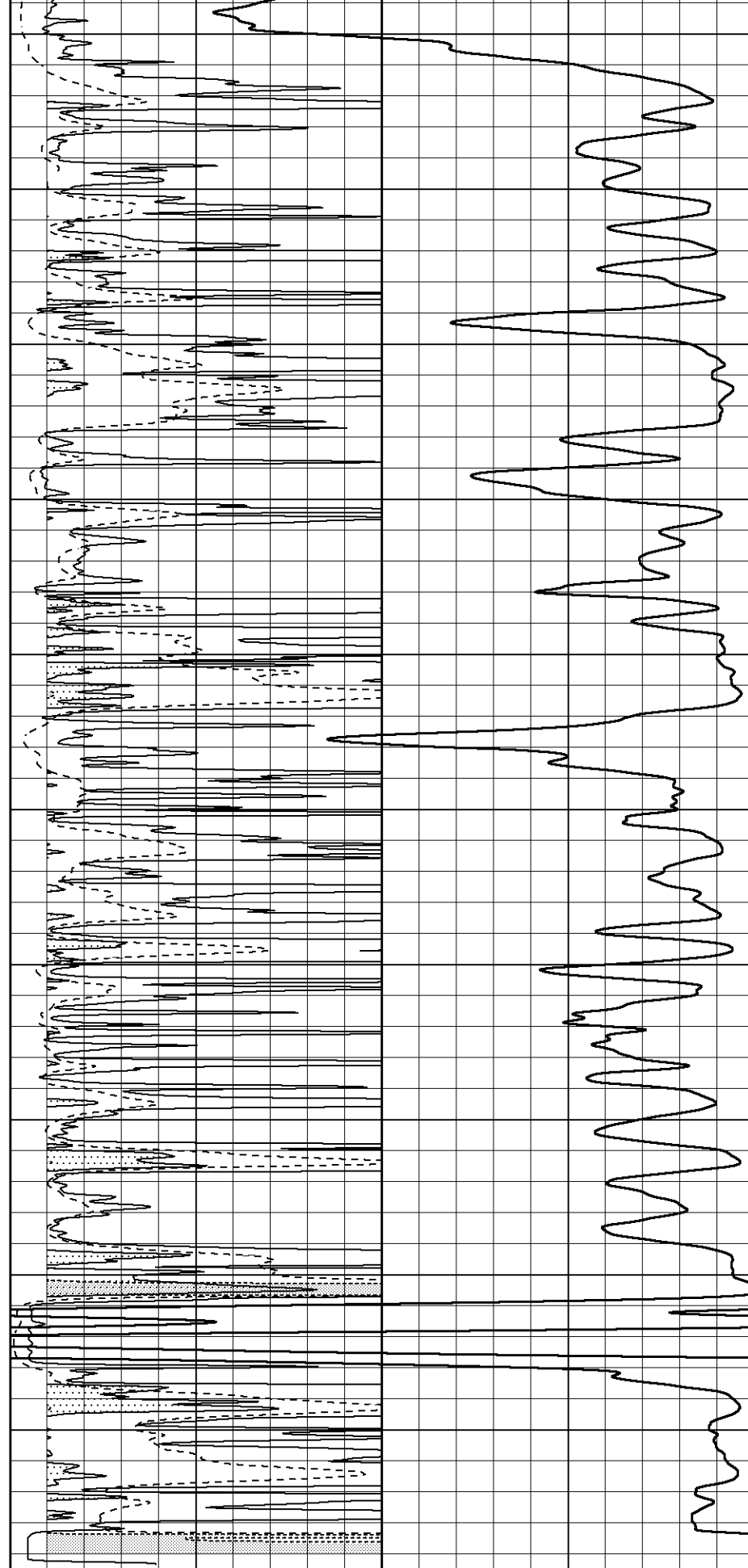
5150

5200

5250

5300

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

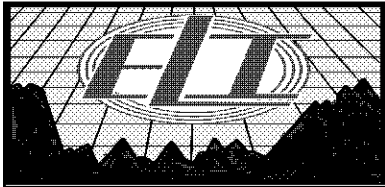


1000 CILD (mmho/m) 0

0 RLL3 (Ohm-m) 50

0 Deep Induction (Ohm-m) 50

50 RLL D X10 (Ohm-m) 500



MAIN SECTION

Database File 1108pe8.db
 Dataset Pathname pass3.1
 Presentation Format _dil
 Dataset Creation Thu Dec 08 11:30:00 2016
 Charted by Depth in Feet scaled 1:240

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

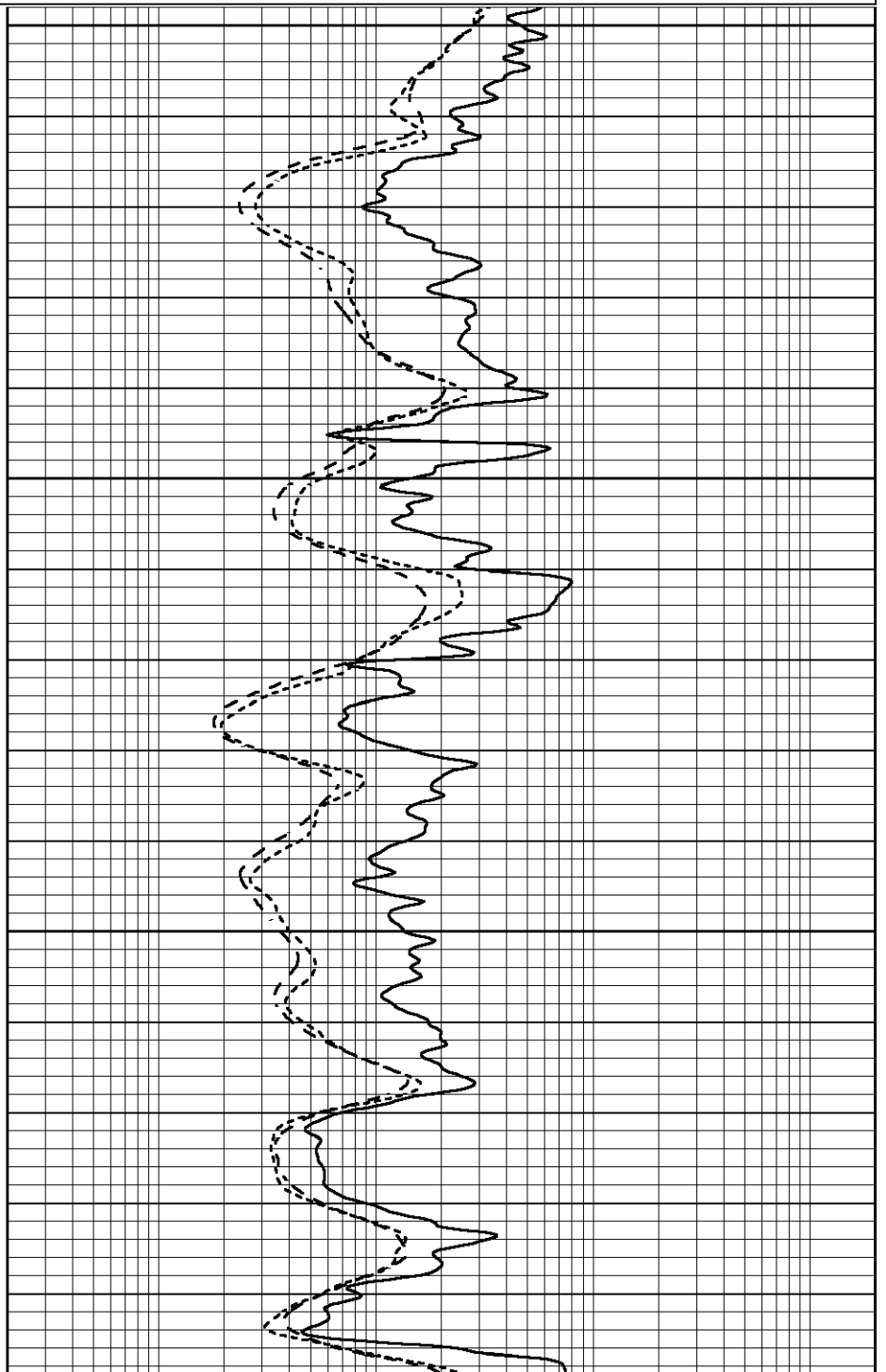
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000

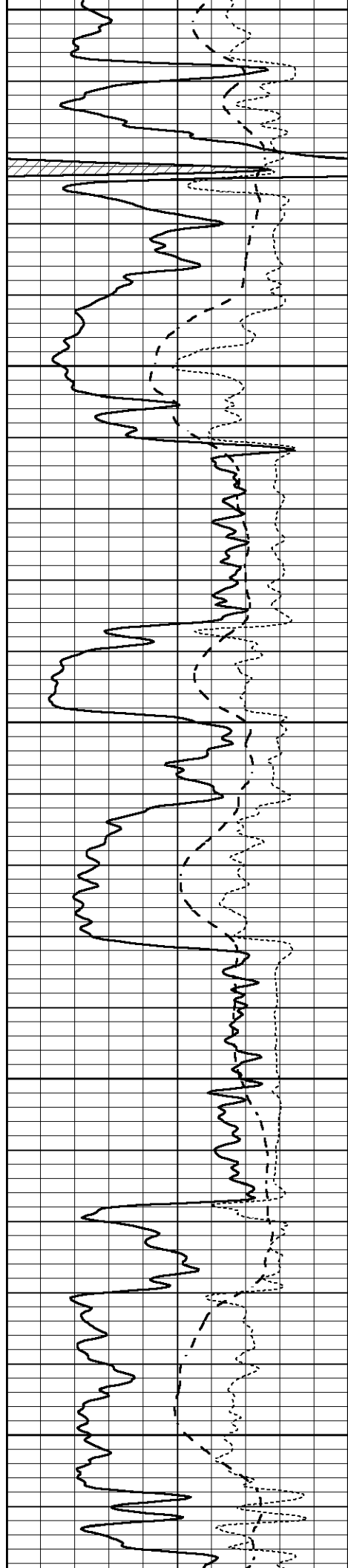


4200

4250

4300





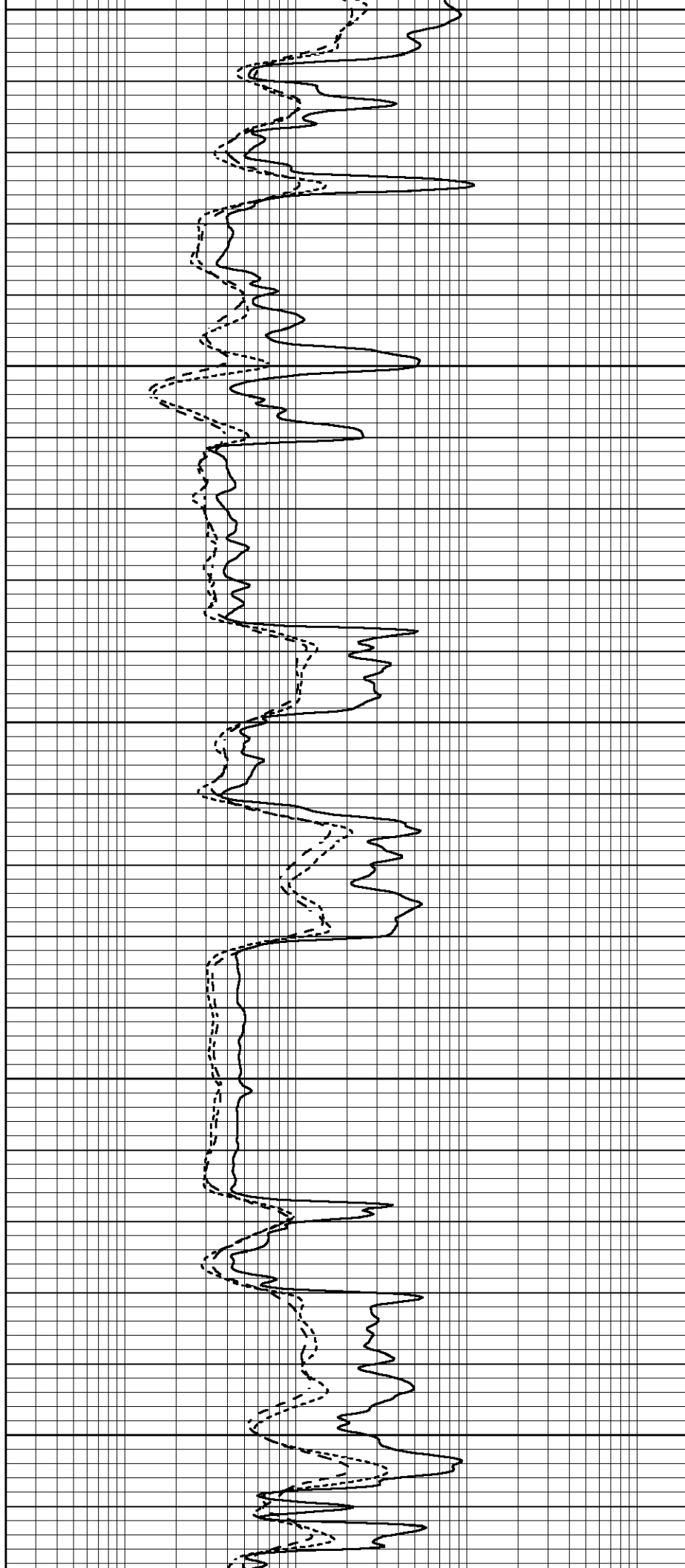
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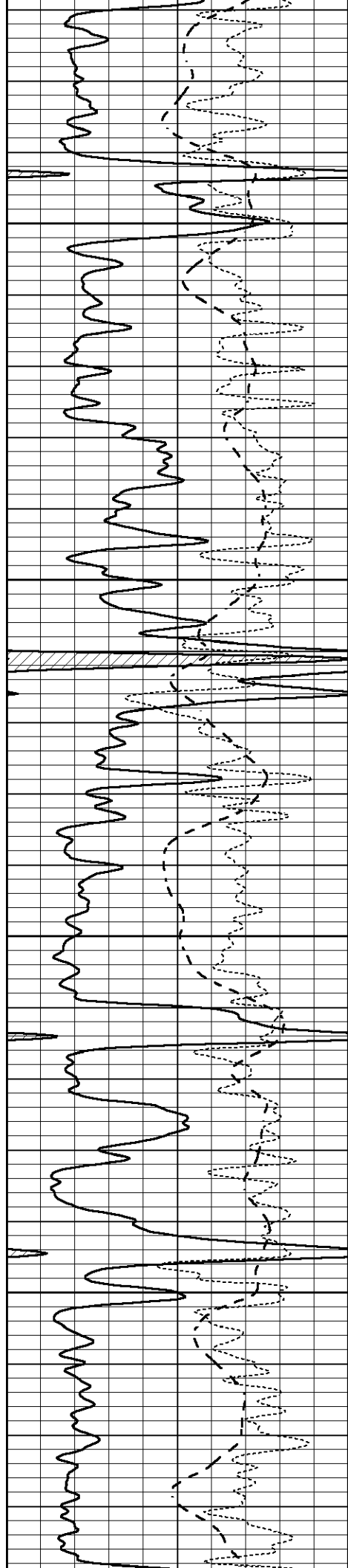
4400

4450

4500

4550



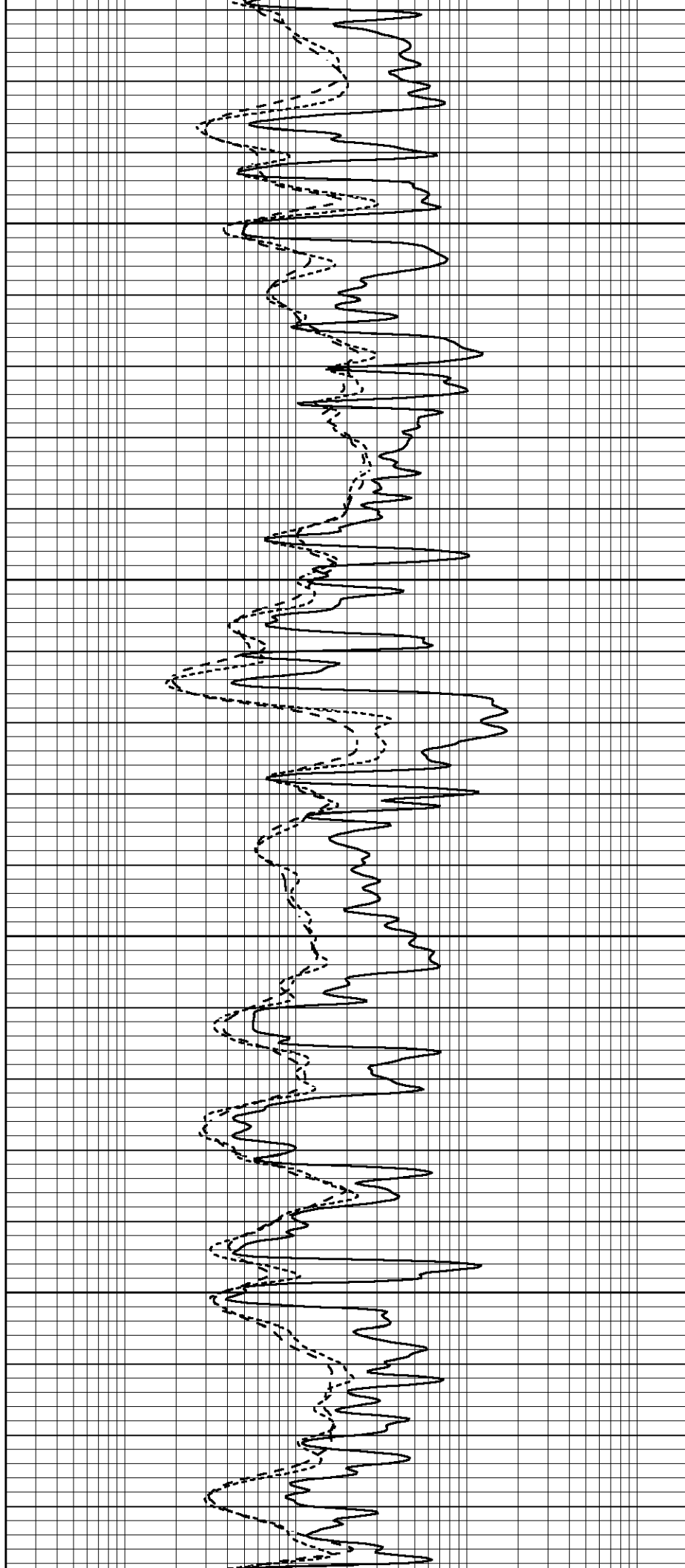


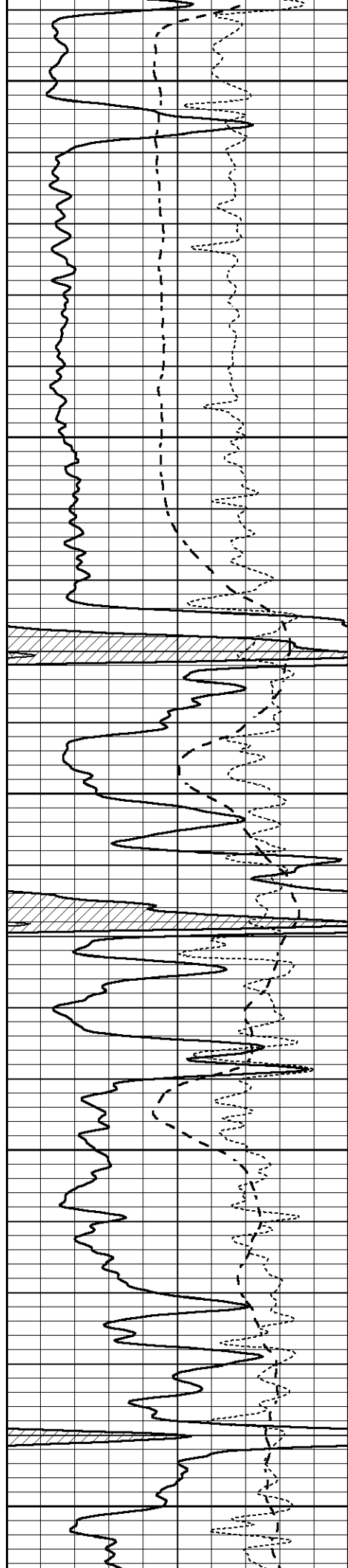
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4650

4700

4750





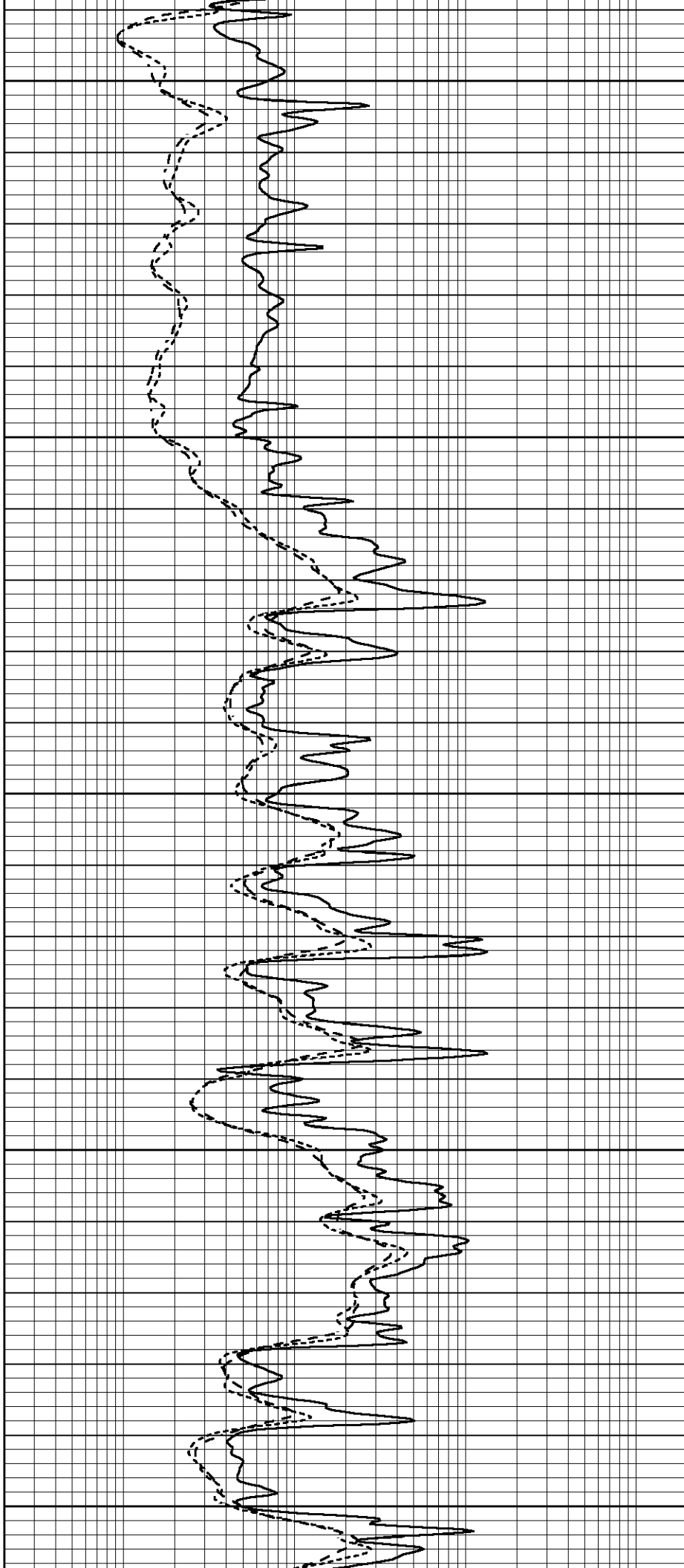
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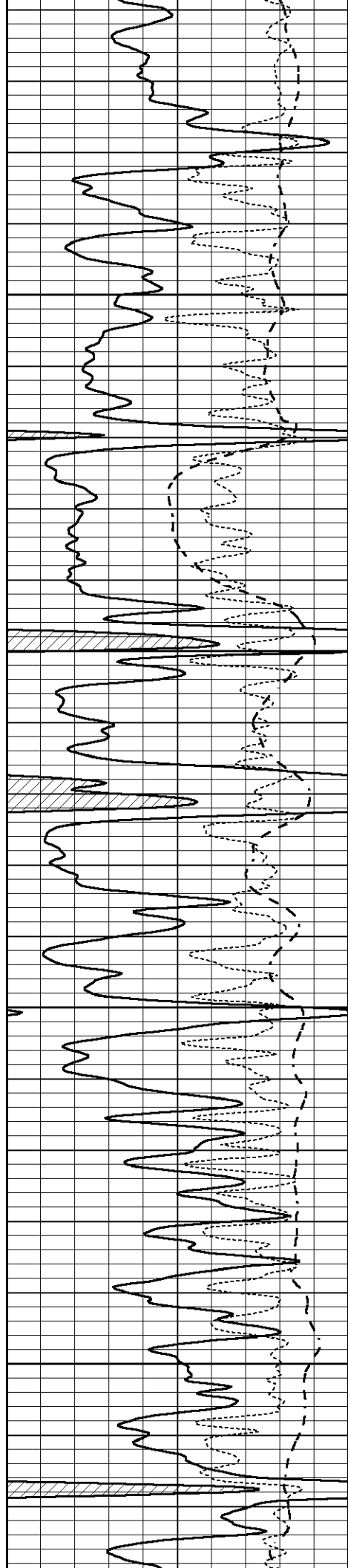
4850

4900

4950

5000



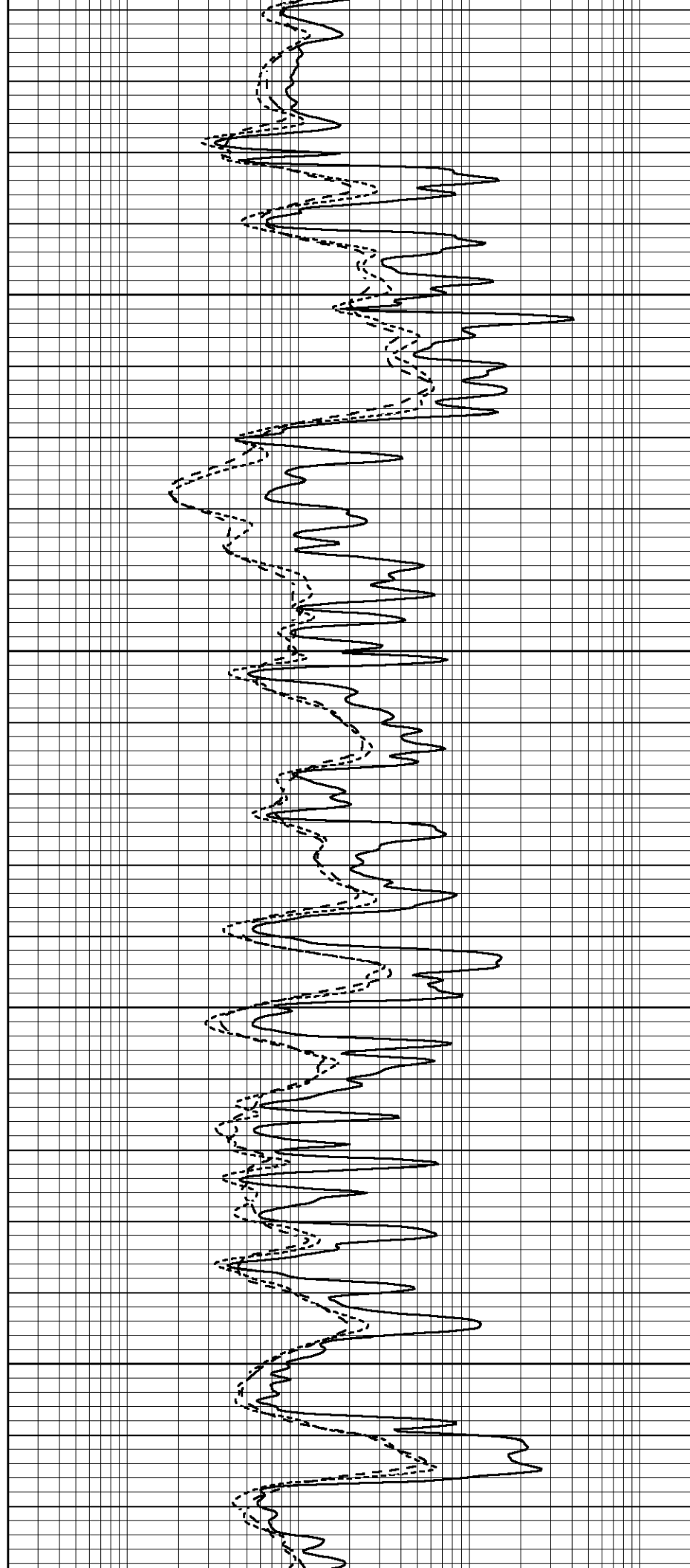


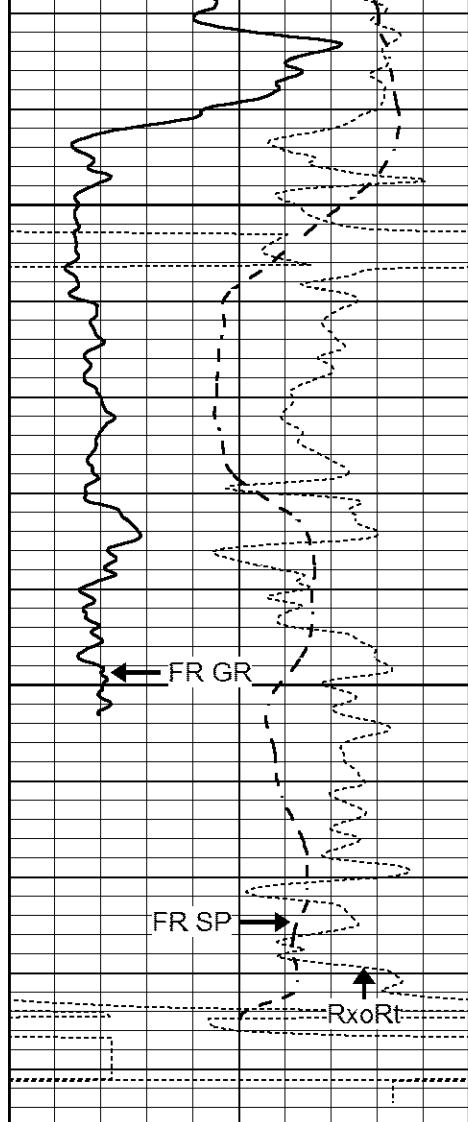
5050

5100

5150

5200



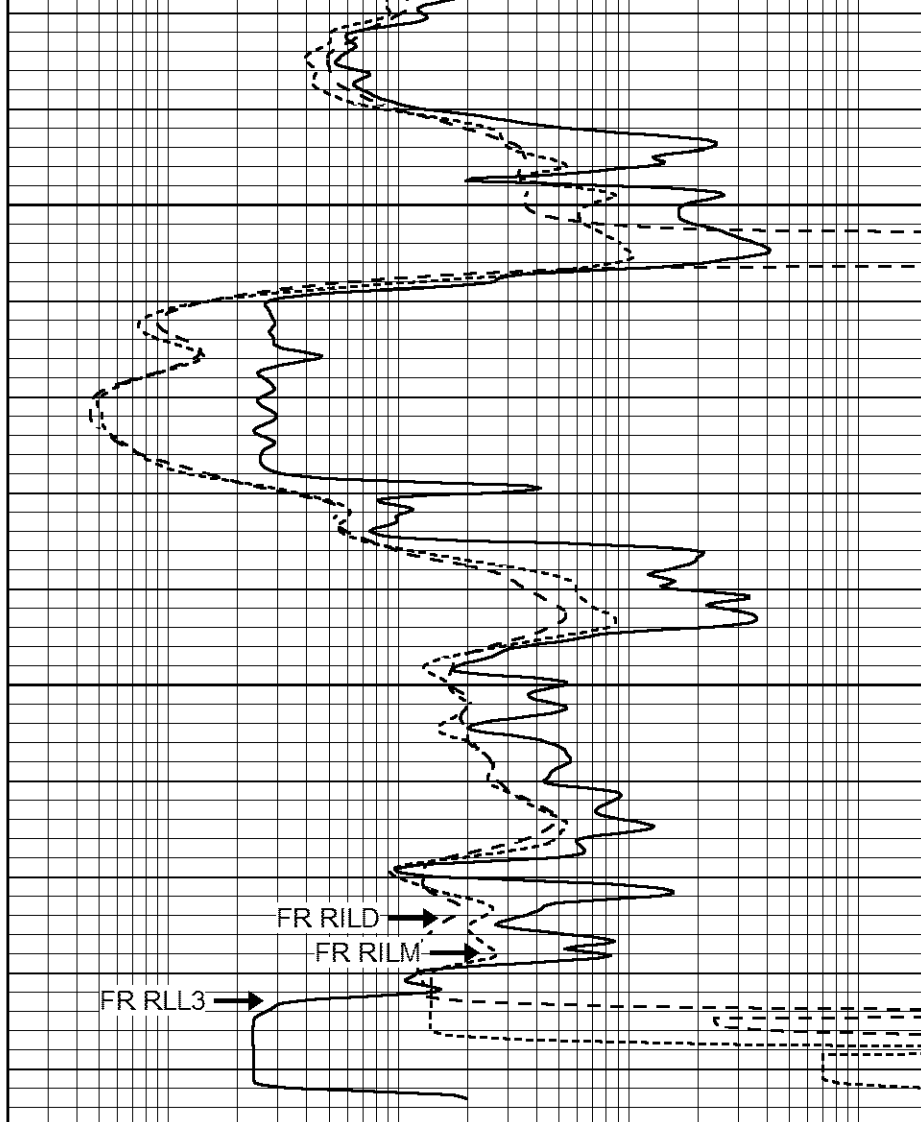


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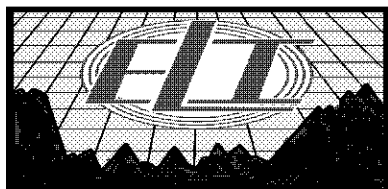
5300

LTD 5335

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



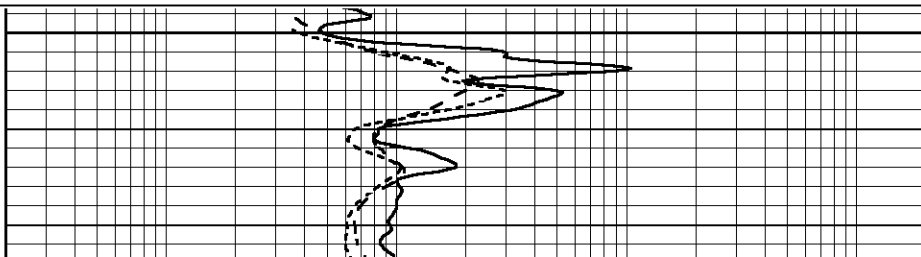
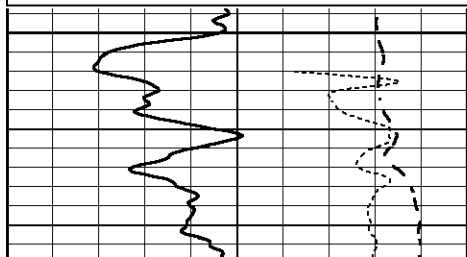
REPEAT SECTION

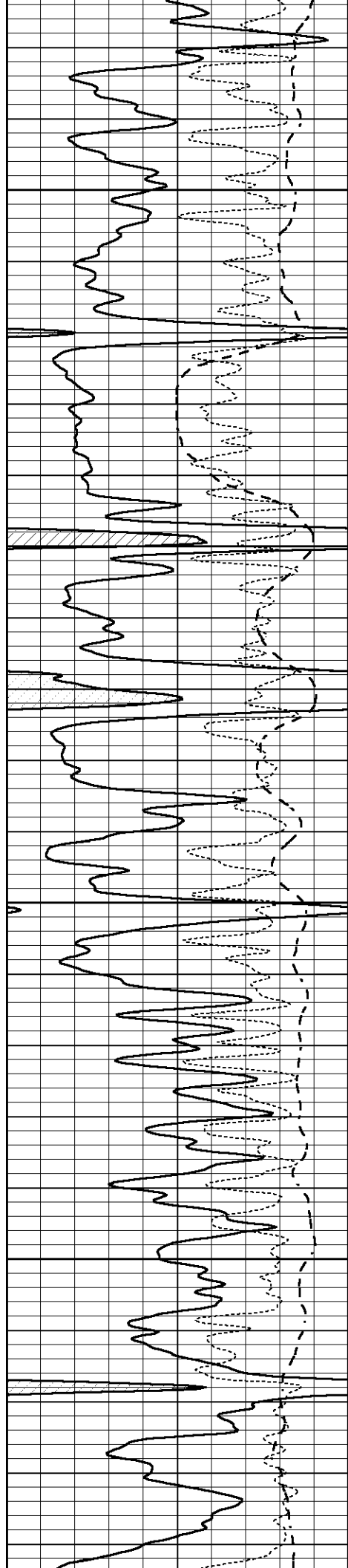
Database File 1108pe8.db
 Dataset Pathname pass2.2
 Presentation Format _dil
 Dataset Creation Thu Dec 08 11:26:40 2016
 Charted by Depth in Feet scaled 1:240

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

5000

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



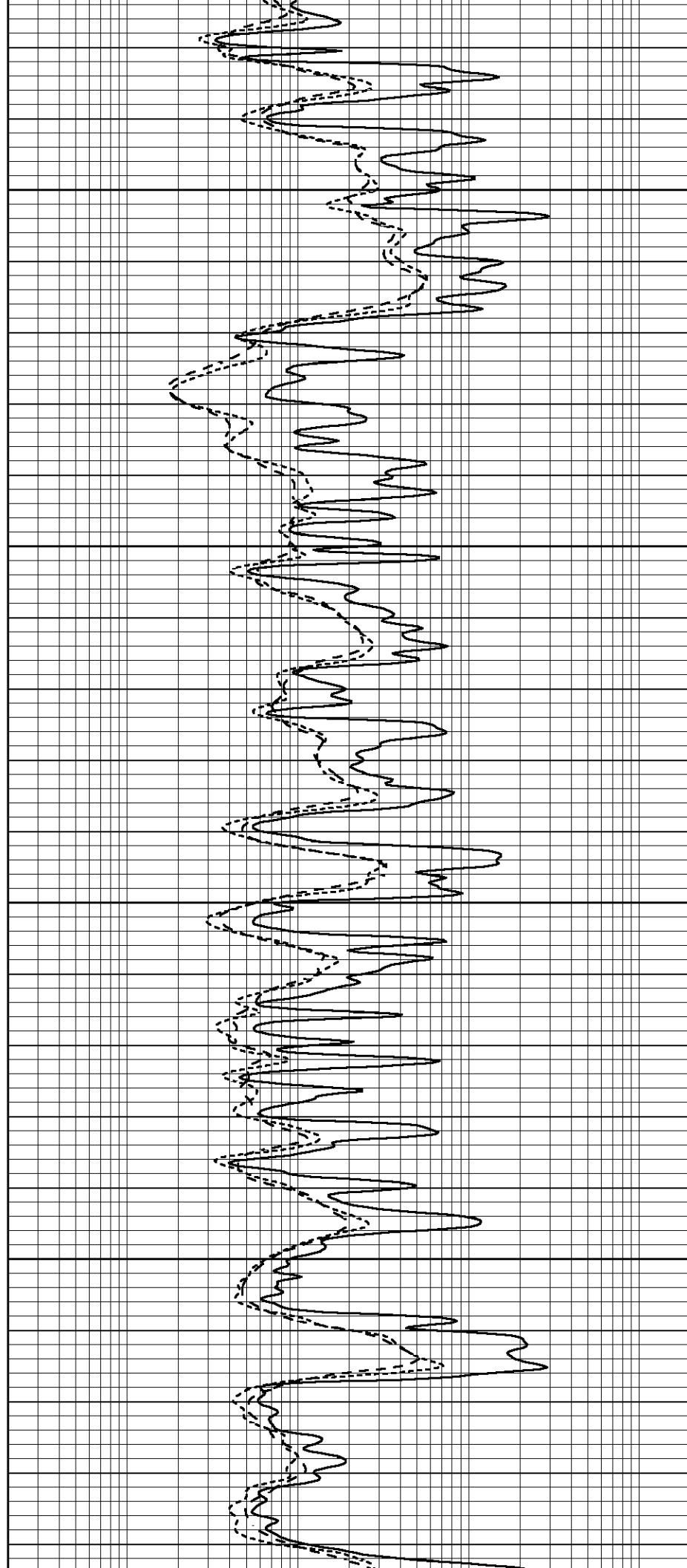


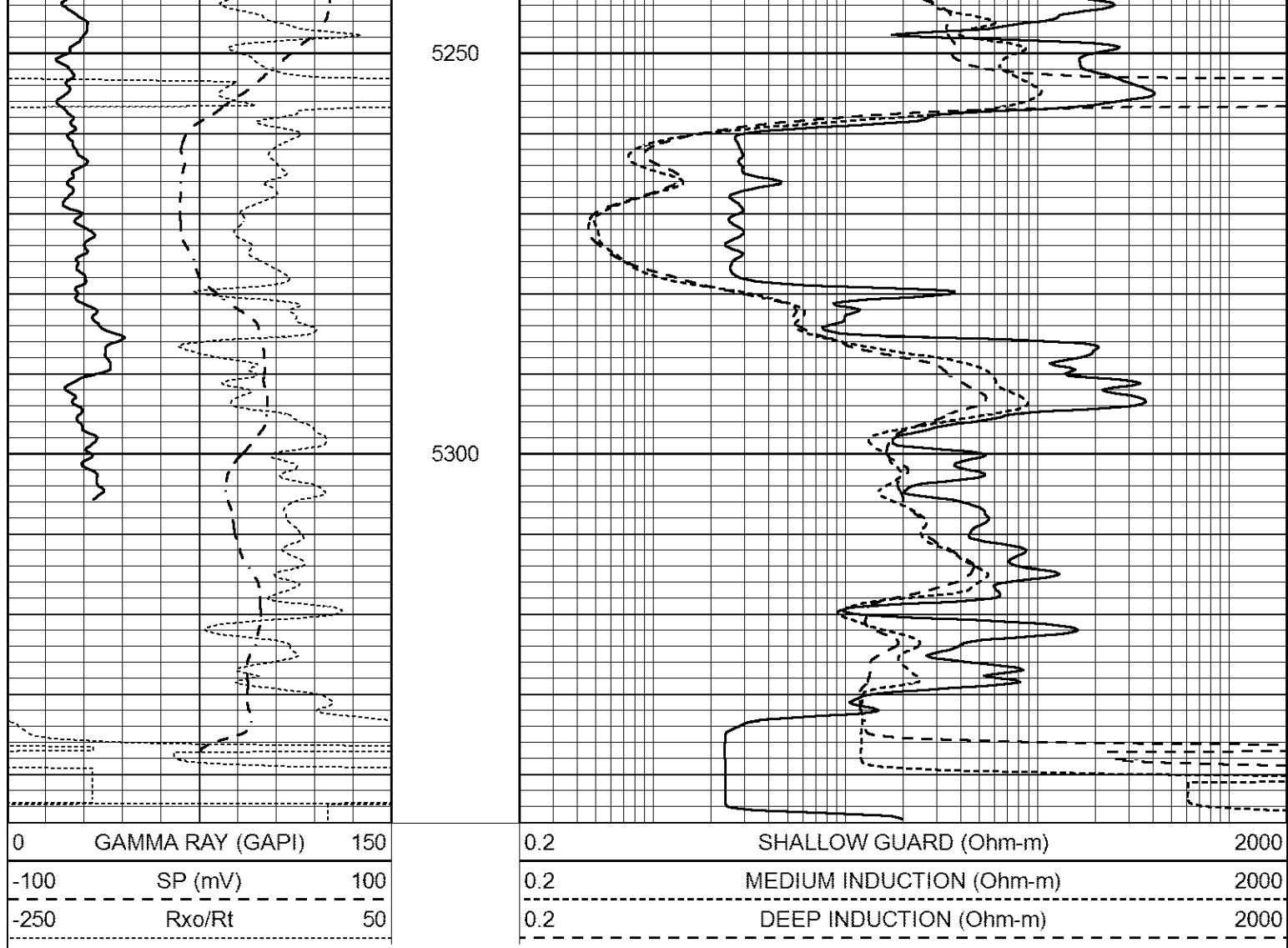
5050

5100

5150

5200





Calibration Report									
Database File	1108pe8.db								
Dataset Pathname	pass2.1								
Dataset Creation	Thu Dec 08 11:25:20 2016								
Dual Induction Calibration Report									
Serial-Model:		FW1410-55-Probe							
Surface Cal Performed:		Thu Mar 12 09:27:11 2015							
Downhole Cal Performed:		Thu Mar 12 09:29:20 2015							
After Survey Verification Performed:		Thu Mar 12 09:29:20 2015							
Surface Calibration									
Readings				References			Results		
Loop:	Air	Loop		Air	Loop		m	b	
Deep	0.011	0.656	V	1.000	400.000	mmho/m	618.595	-5.524	
Medium	-0.000	0.731	V	1.000	464.000	mmho/m	632.856	1.197	
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 Feb 11 18:53:41 2015					
	Background	Aluminum		Magnesium				
Window 1	613.01	6027.40		27508.60	cps			
Window 2	48.21	1424.77		7132.66	cps			
Window 4	266.48	1373.19		5767.15	cps			
Window 5	622.07	10090.30		18937.90	cps			
Window 6	49.07	1682.84		3271.18	cps			
Window 8	298.04	3248.38		5980.58	cps			
Bulk Density	-	2.6020		1.6830	g/cc			
Pe	-	3.0000		2.5070	b/e			
LS Alpha:	: -1.8451	SS Alpha:	: -0.7542	LS CPE:		: 1.0882		
LS Beta:	: 138648.8473	SS Beta:	: 21960.9250	SS CPE:		: 1.5181		
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 Feb 11 18:53:41 2015					
Results	Readings		References (in)					
Low	High		Low	High	Gain		Offset	

5123.0	9461.6	8.5	14.0	0.0	1.4
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:		070558			
Tool Model:		Probe1			
Performed:		Wed Jun 29 08:29:10 2016			
Calibrator Value:		1.0	GAPI		
Background Reading:		0.0	cps		
Calibrator Reading:		1.0	cps		
Sensitivity:		0.3000	GAPI/cps		