



DUAL INDUCTION LOG

Company	DIXON OPERATING CO., LLC.		
Well	SIEFKES #1 SWD OWWO		
Field	MIKES METEOR		
County	STAFFORD	State	KANSAS
Location:	API # : 15-185-23590-00-01		Other Services CDL/CNL MEL
SEC 34 TWP 22S RGE 12W		Elevation	
Permanent Datum	GROUND LEVEL	Elevation	1833'
Log Measured From	KELLY BUSHING 9' A.G.L.	K.B.	1842
Drilling Measured From	KELLY BUSHING	D.F.	1840
		G.L.	1833
Date	07/28/17		
Run Number	ONE		
Depth Driller	4150		
Depth Logger	4154		
Bottom Logged Interval	4152		
Top Log Interval	00		
Casing Driller	8 5/8@ 265		
Casing Logger	265		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES	38000 PPM
Density / Viscosity	9.1/50		
pH / Fluid Loss	7.0/NC		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.80@86		
Rmt @ Meas. Temp	.60@86		
Rmc @ Meas. Temp	.96@86		
Source of Rmt / Rmc	MEASURED		
Rm @ BHT	.58@117		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	///		
Maximum Recorded Temperature	117F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	GUS PFANENSTIEL		
Witnessed By	BRUCE A. REED		

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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
HUDSON EAST TO 60 TH RD.
SOUTH TO 1 ST TANK BATTERY,
EAST INTO.



MAIN PASS

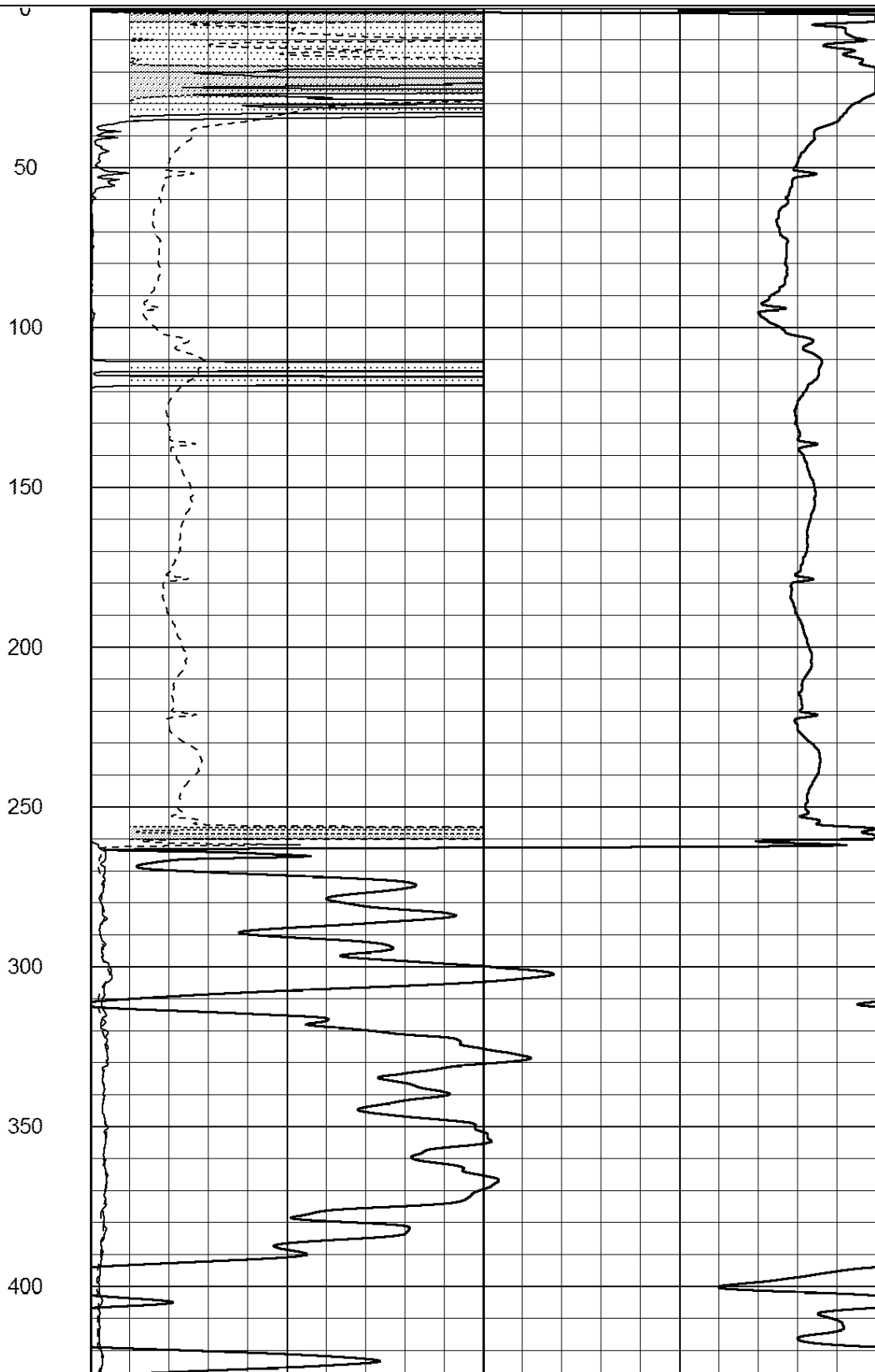
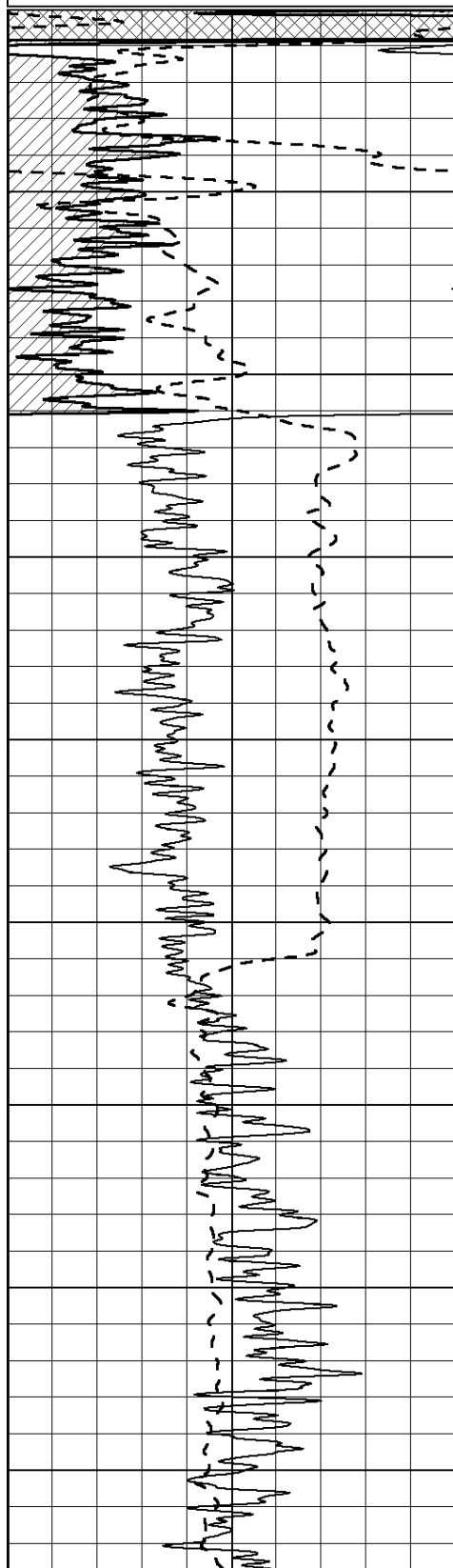
Database File: 1808ddn.db
 Dataset Pathname: pass3.1
 Presentation Format: _dil2
 Dataset Creation: Fri Jul 28 17:52:41 2017
 Charted by: Depth in Feet scaled 1:600

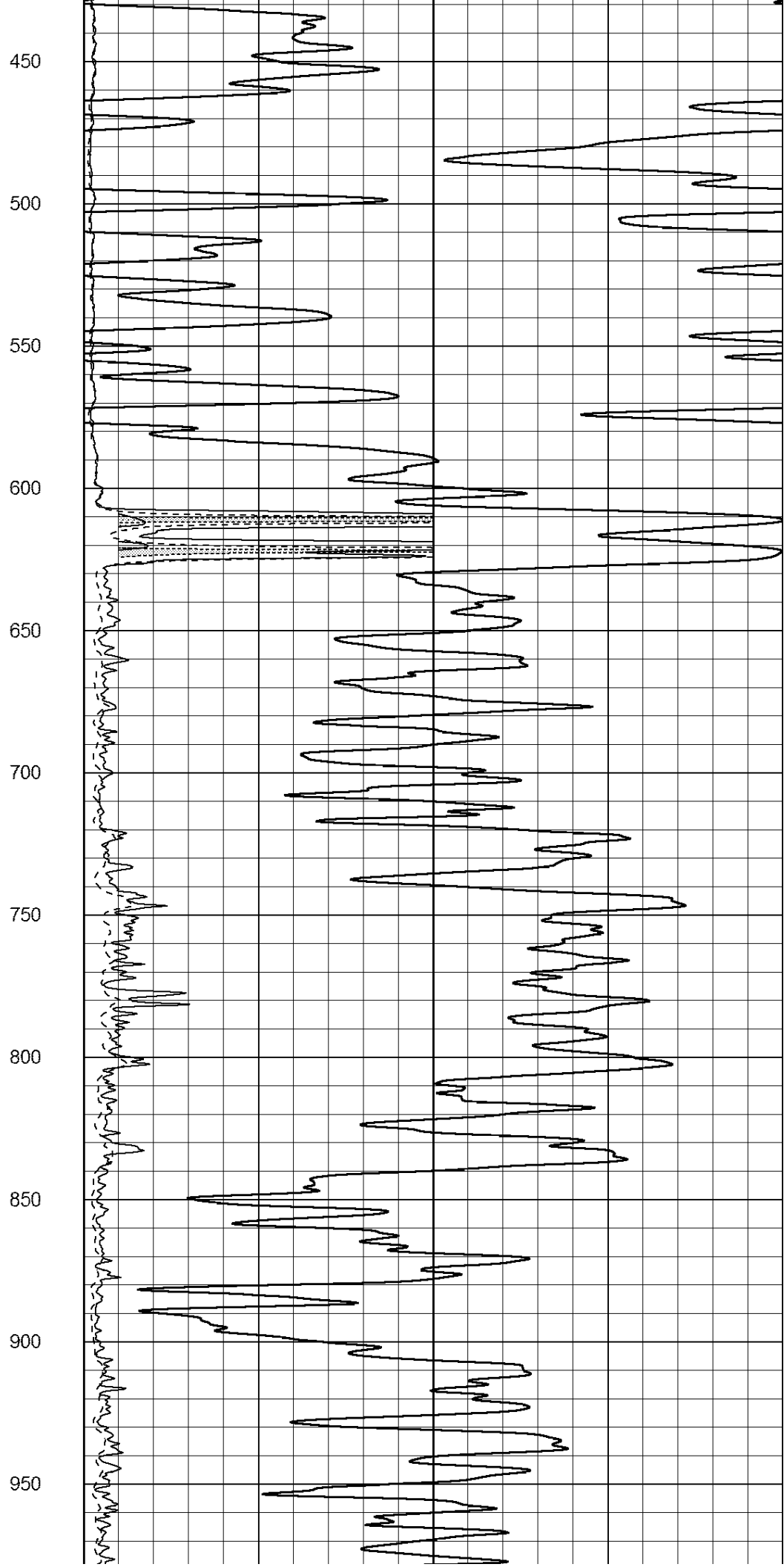
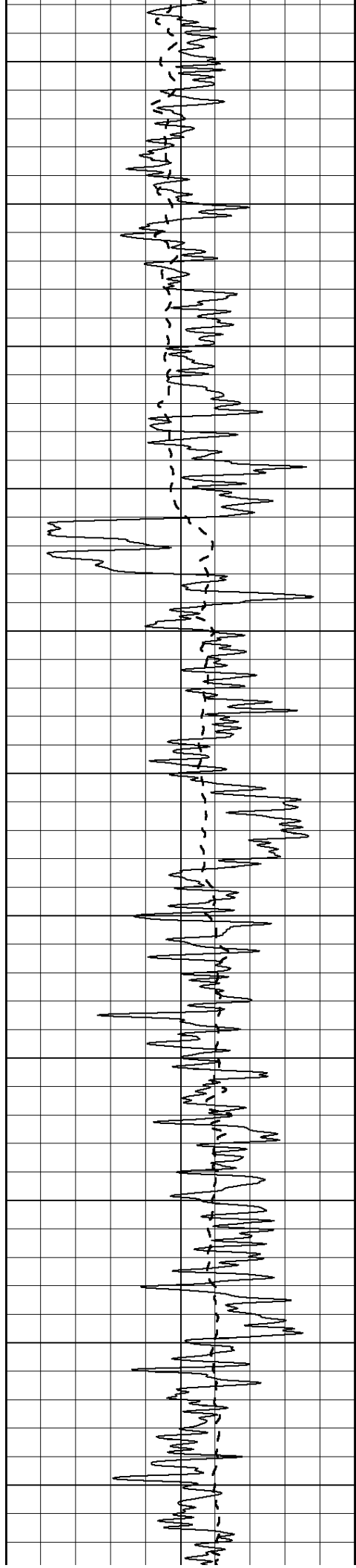
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-100	SP (mV)	100

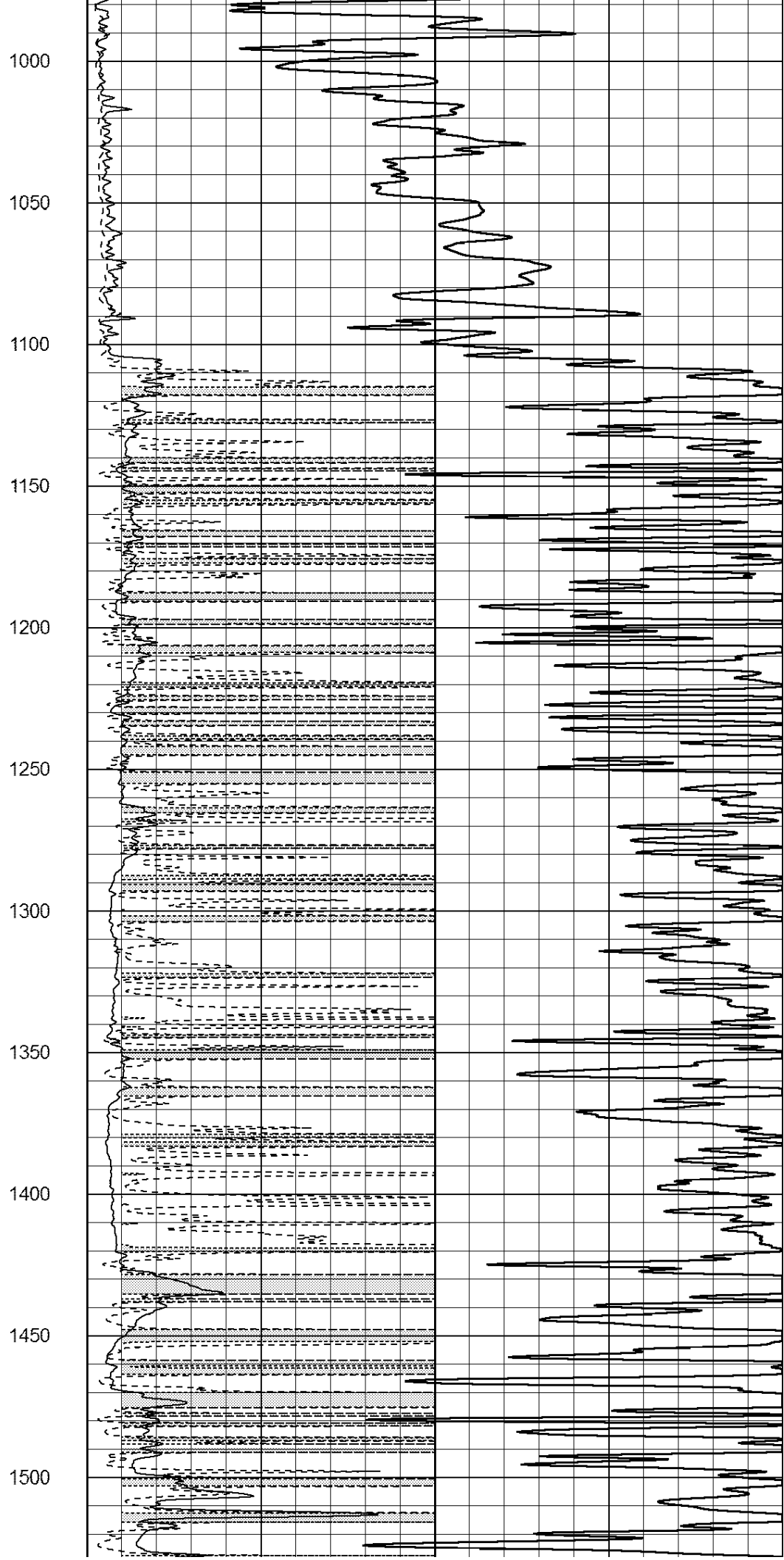
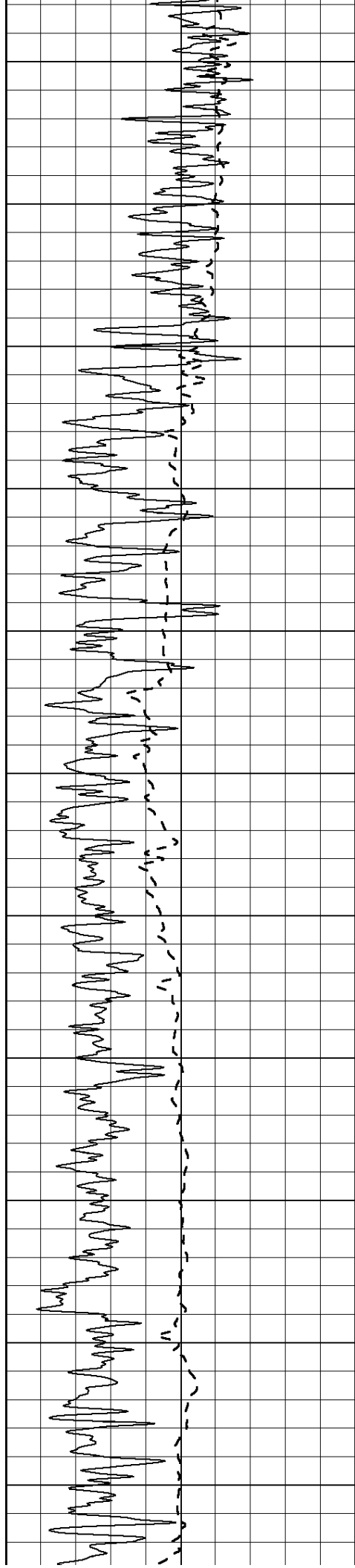
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0	RILD (Ohm-m)	50

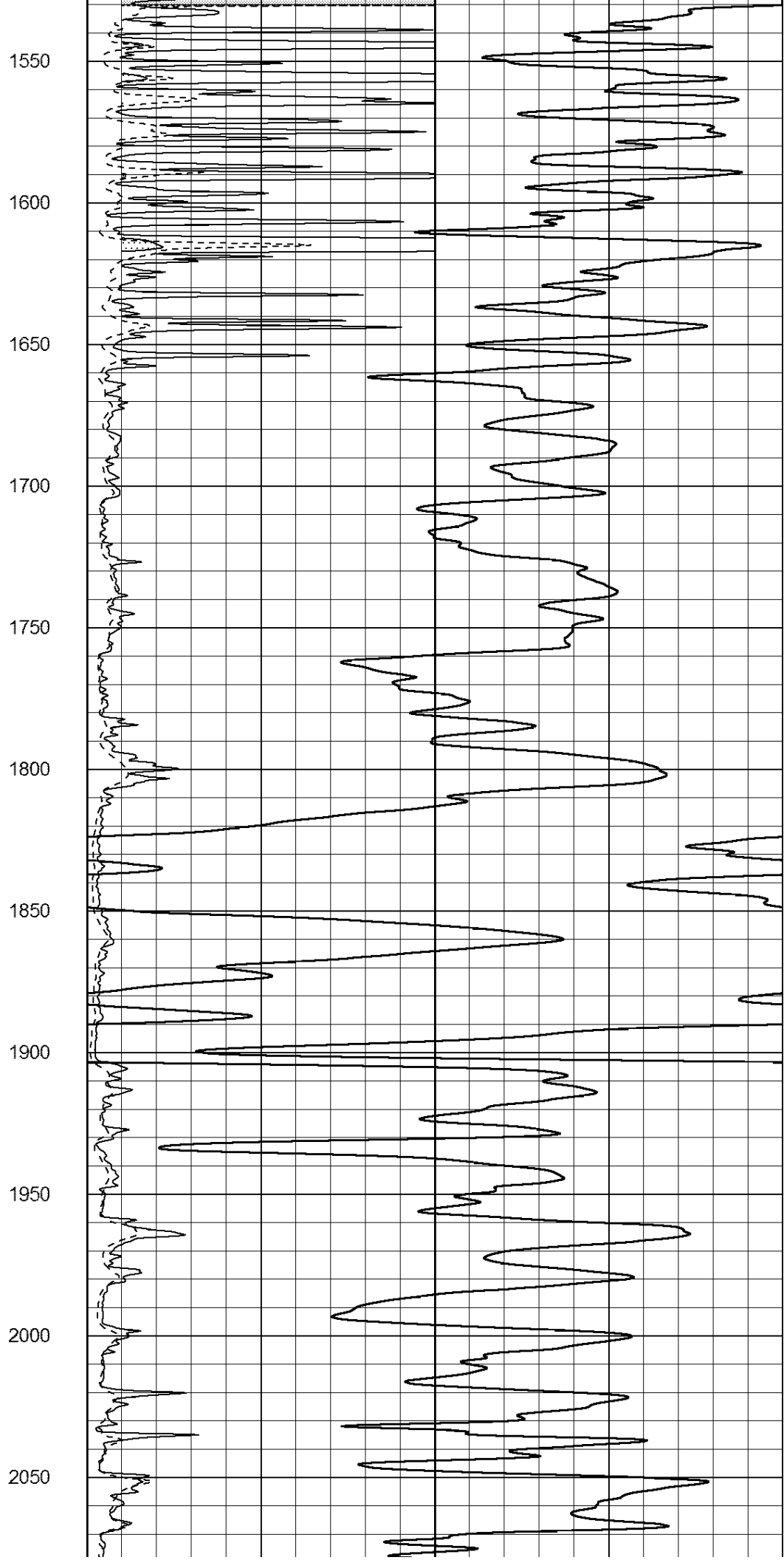
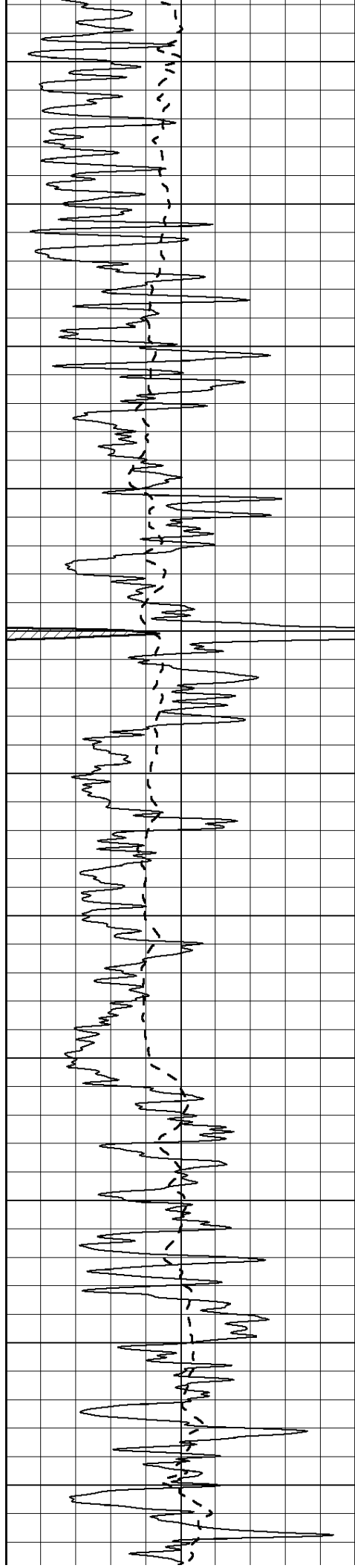
1000	CILD (mmho/m)	0
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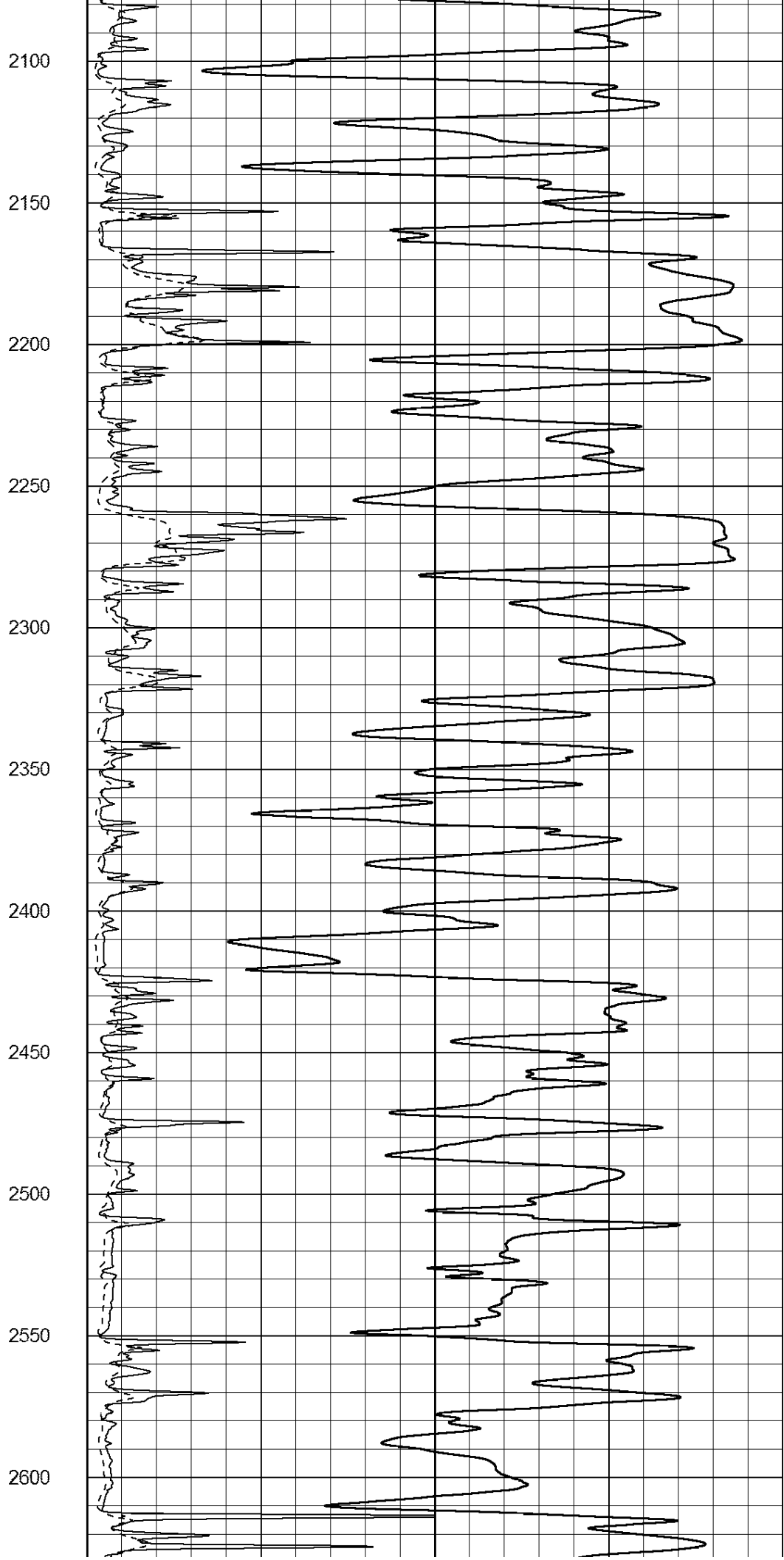
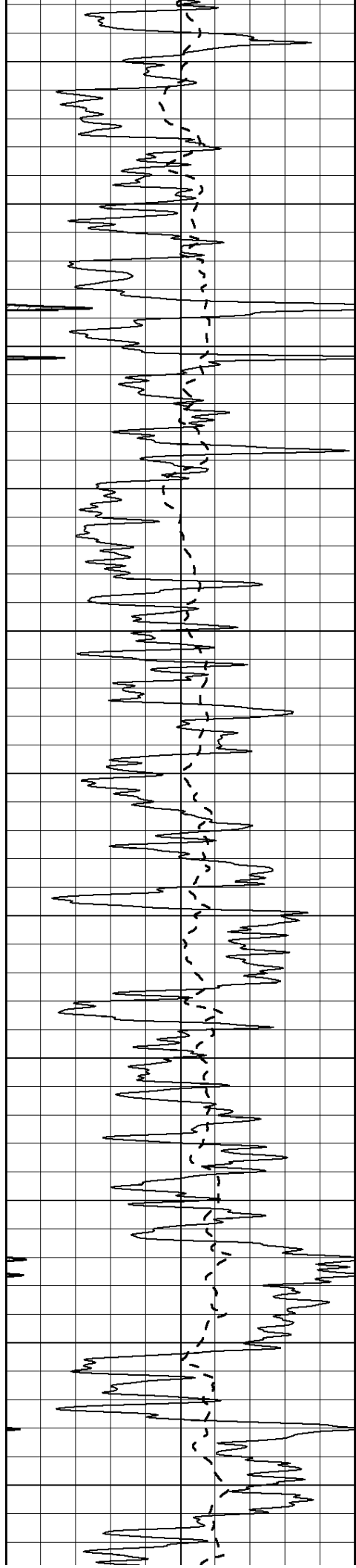
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50	RLL3 X10 (Ohm-m)	500

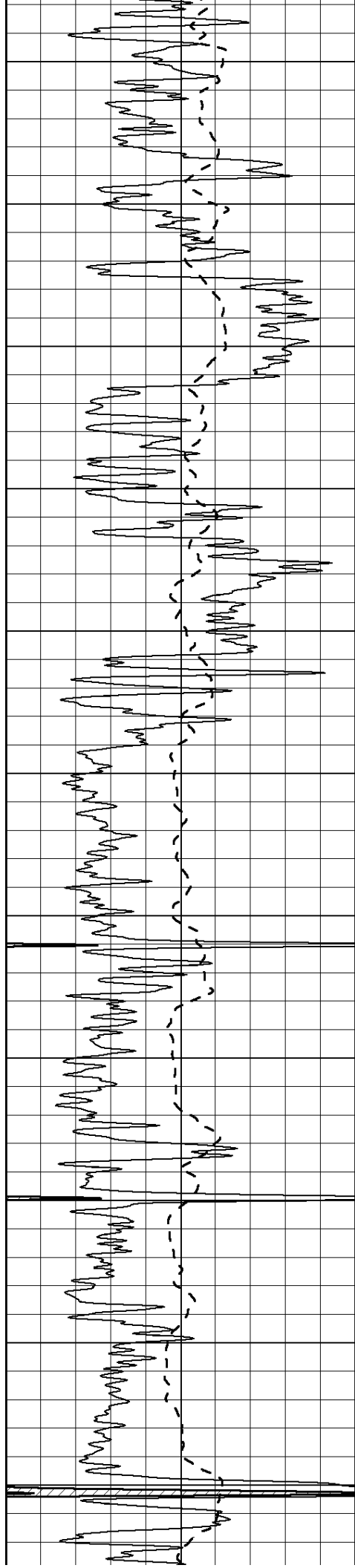












2650

2700

2750

2800

2850

2900

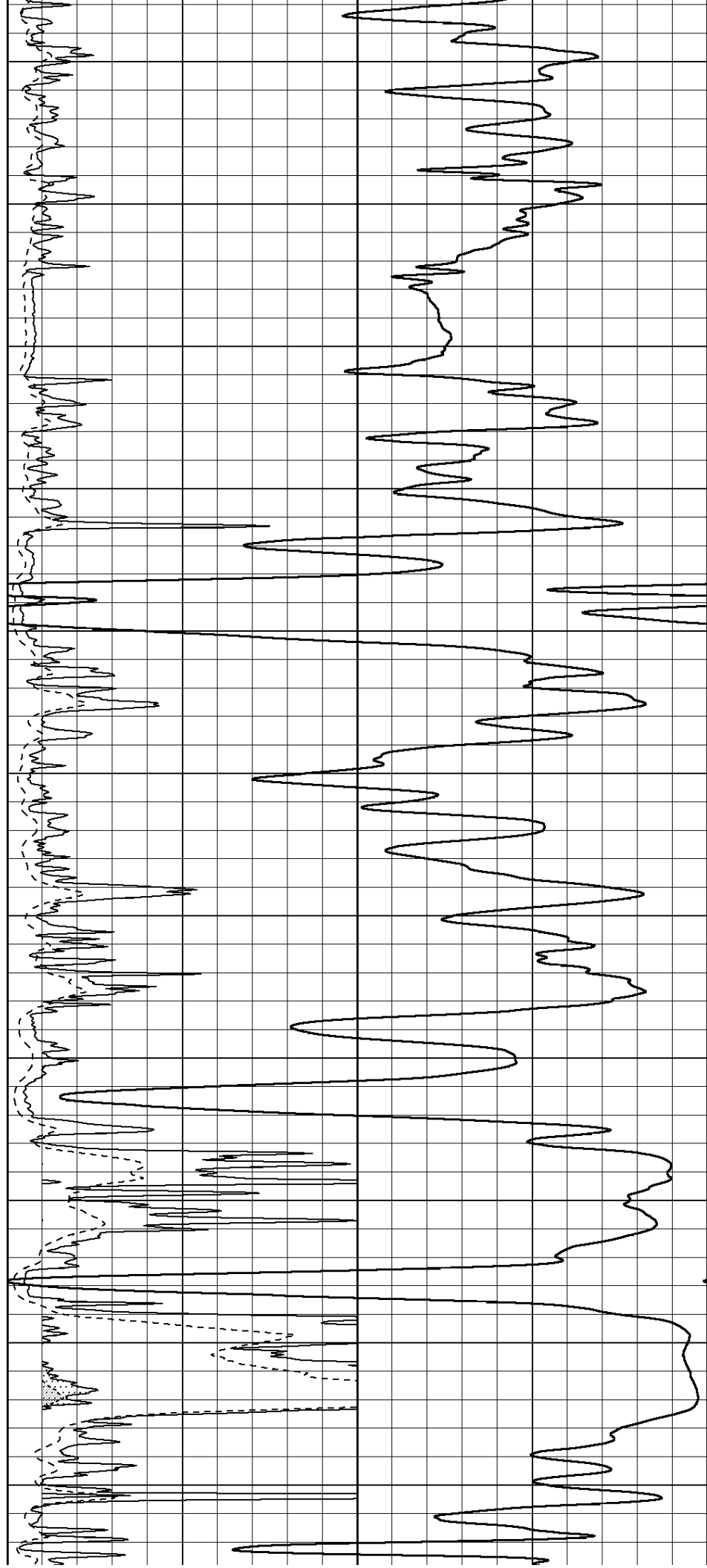
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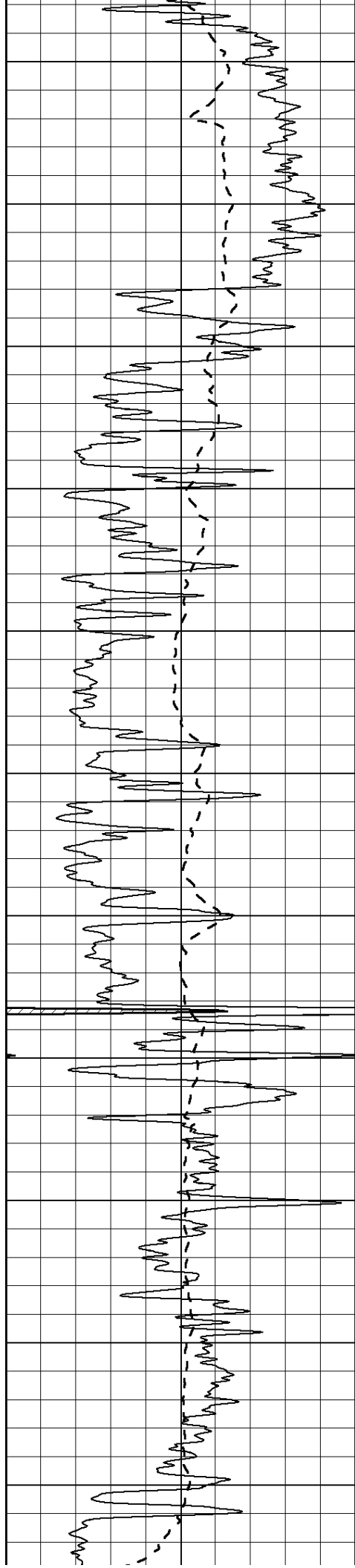
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3050

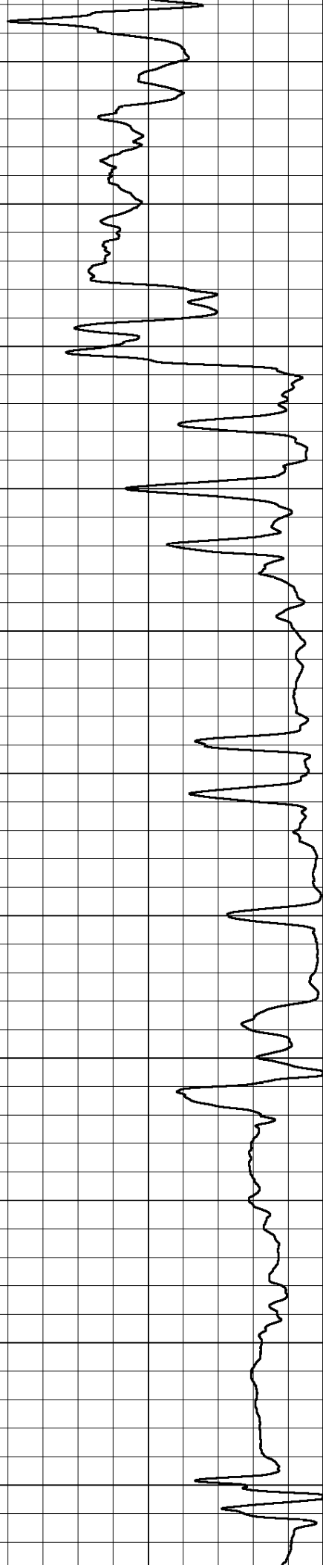
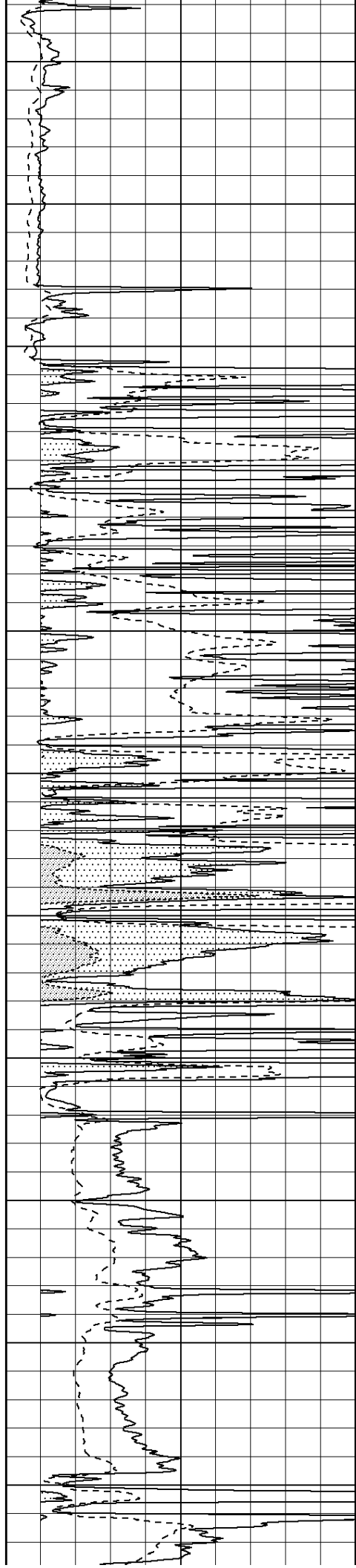
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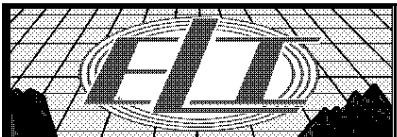
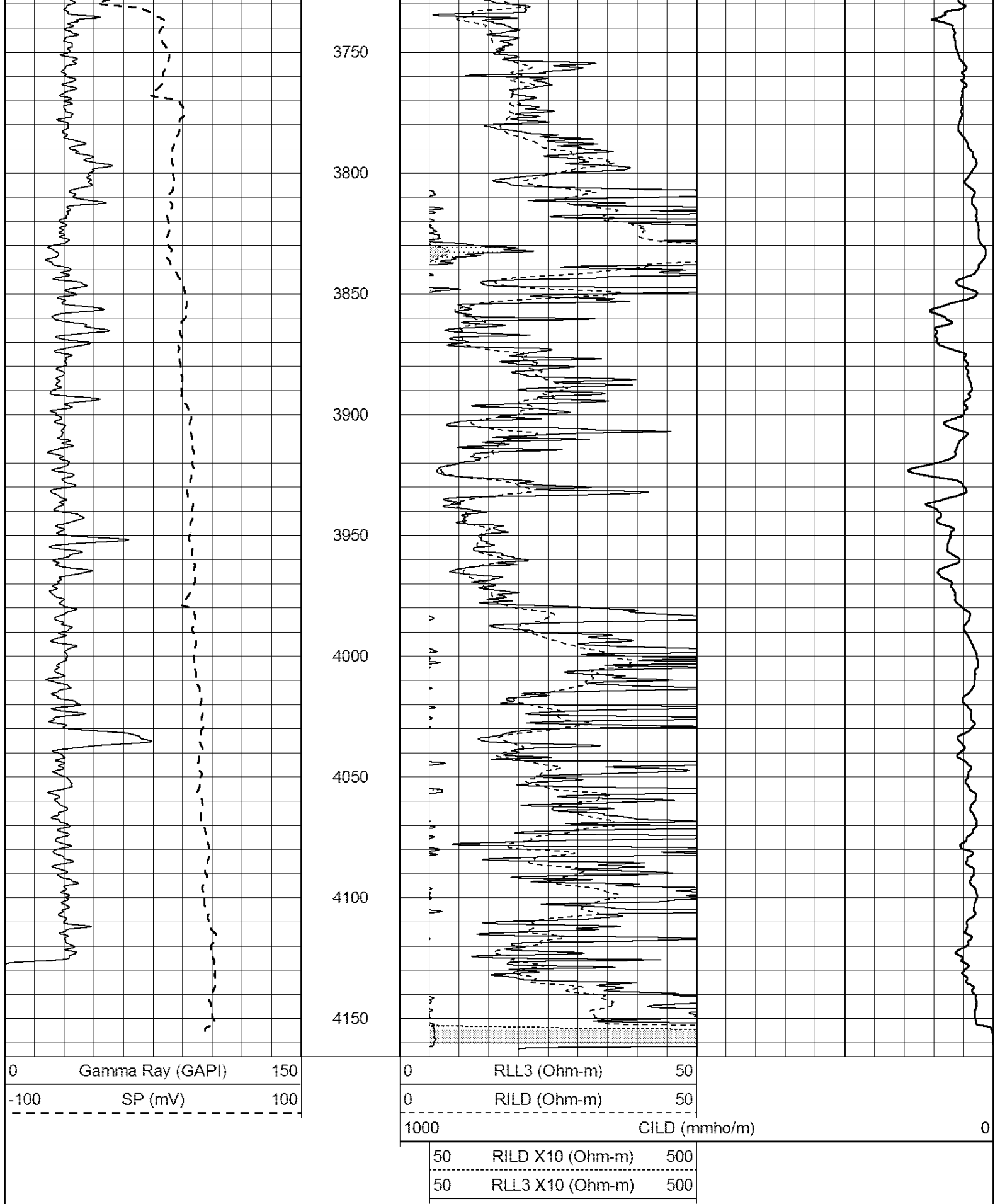
3150





3200
3250
3300
3350
3400
3450
3500
3550
3600
3650
3700



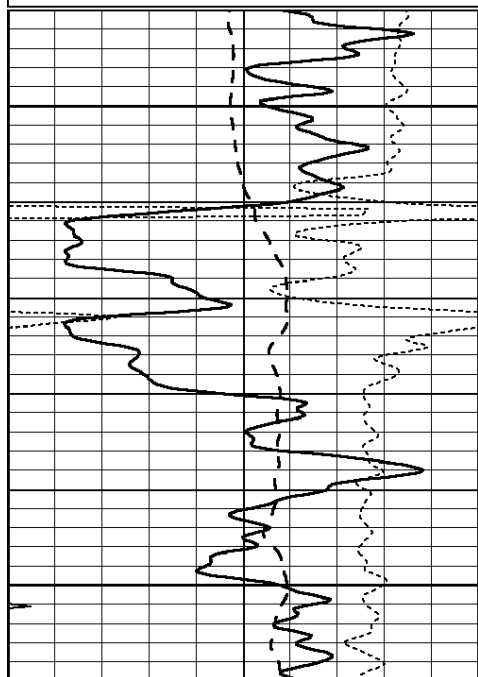


MAIN PASS

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 Dataset Pathname: pass3.1
 Presentation Format: _dil
 Dataset Creation: Fri Jul 28 17:52:41 2017
 Charted by: Depth in Feet scaled 1:240

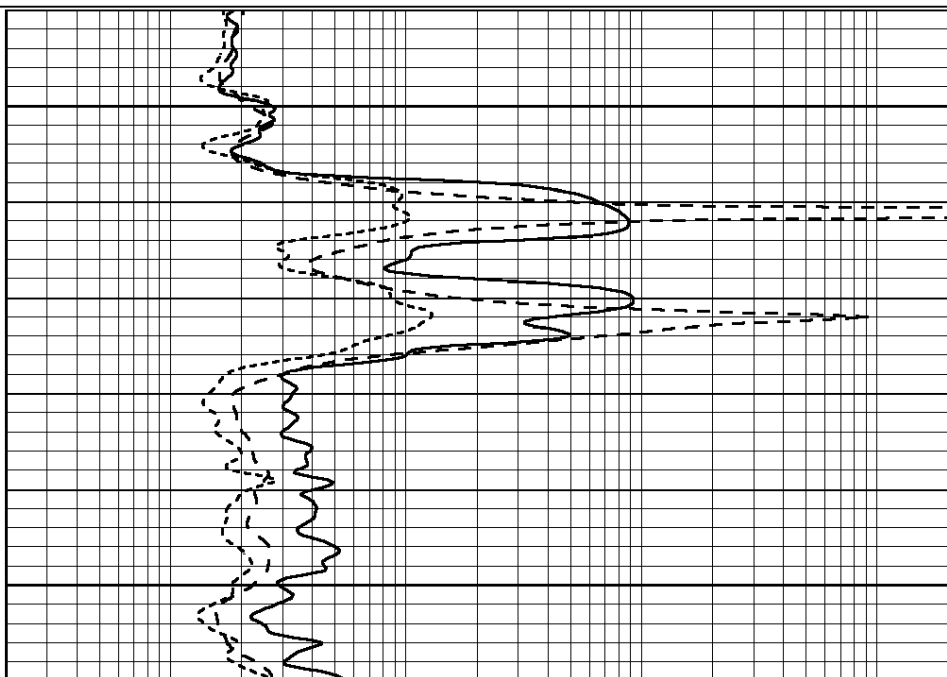
0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20

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



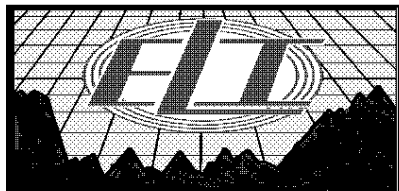
600

650



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

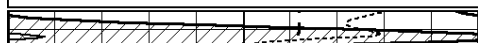


MAIN PASS

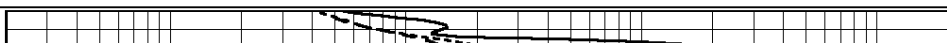
Database File: 1808ddn.db
 Dataset Pathname: pass3.1
 Presentation Format: _dil
 Dataset Creation: Fri Jul 28 17:52:41 2017
 Charted by: Depth in Feet scaled 1:240

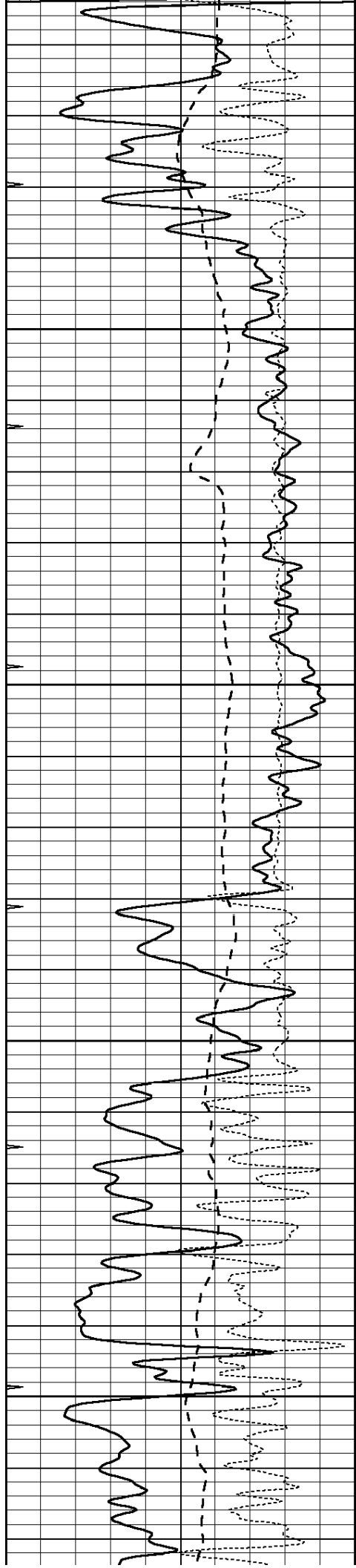
0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20

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



600



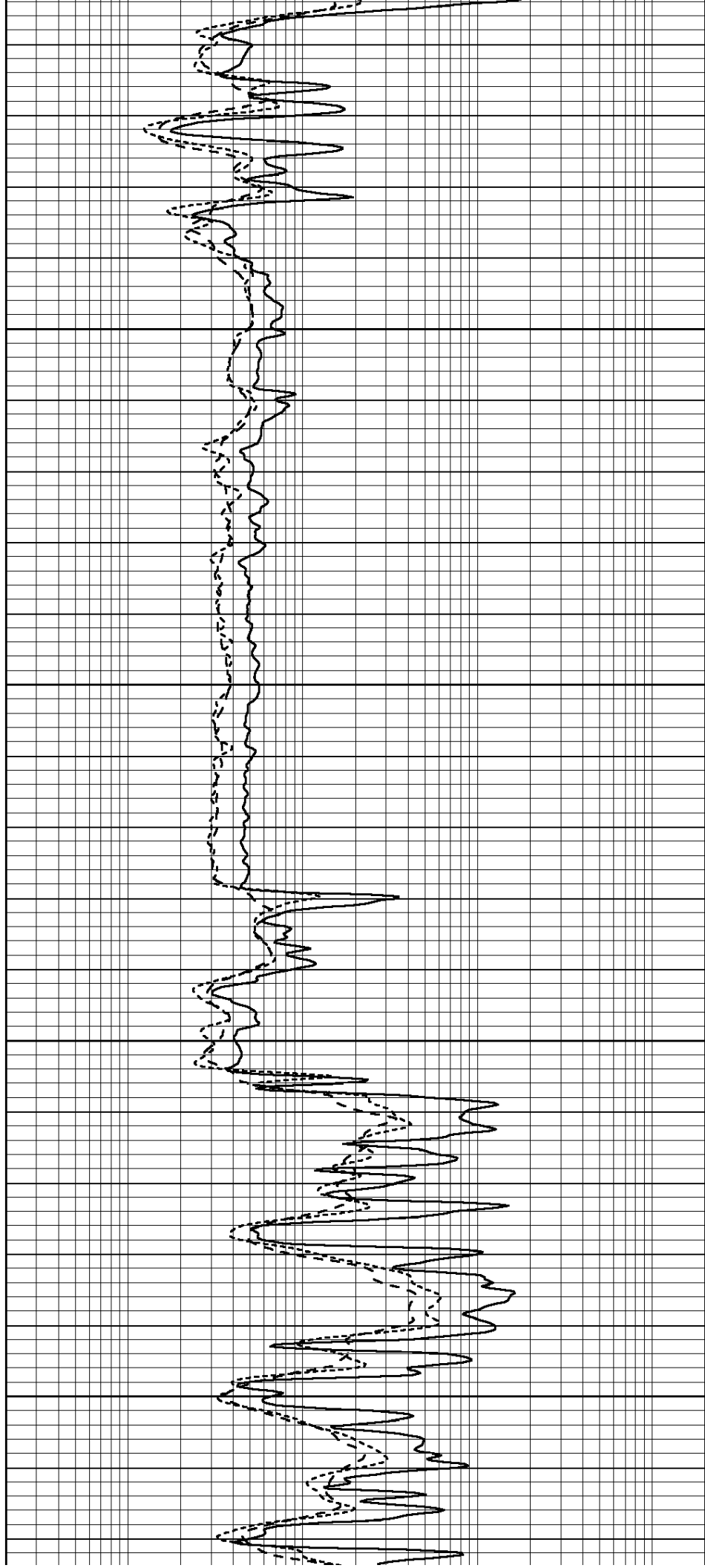


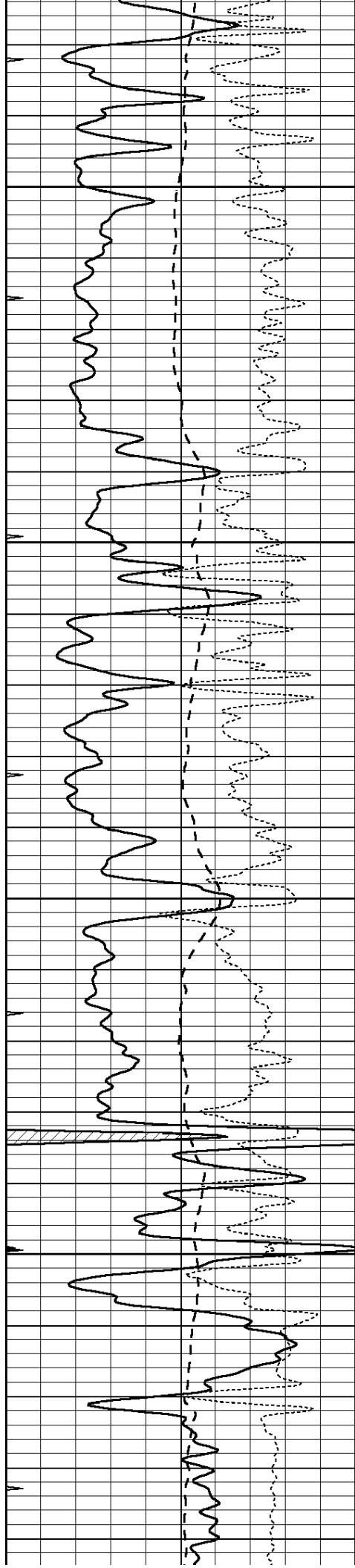
3200

3250

3300

3350



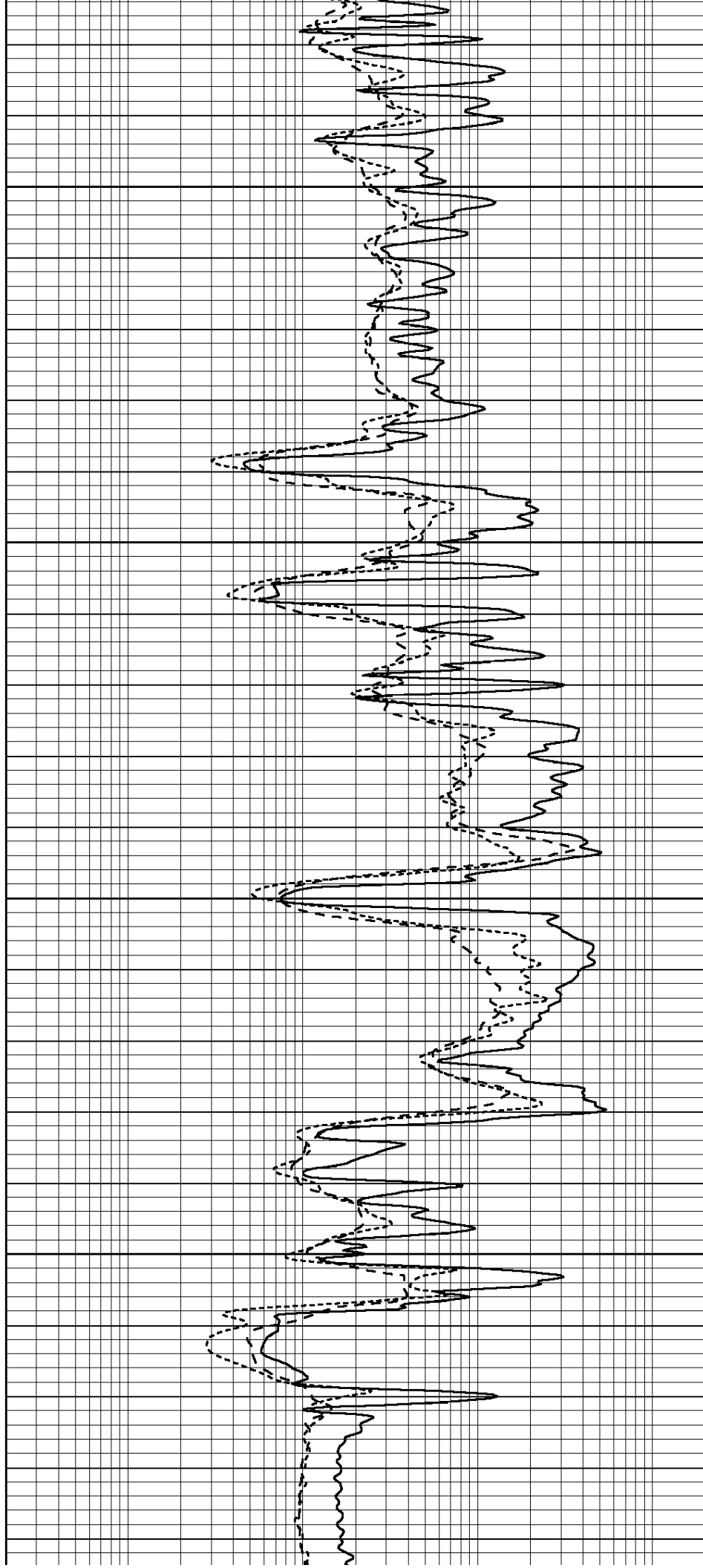


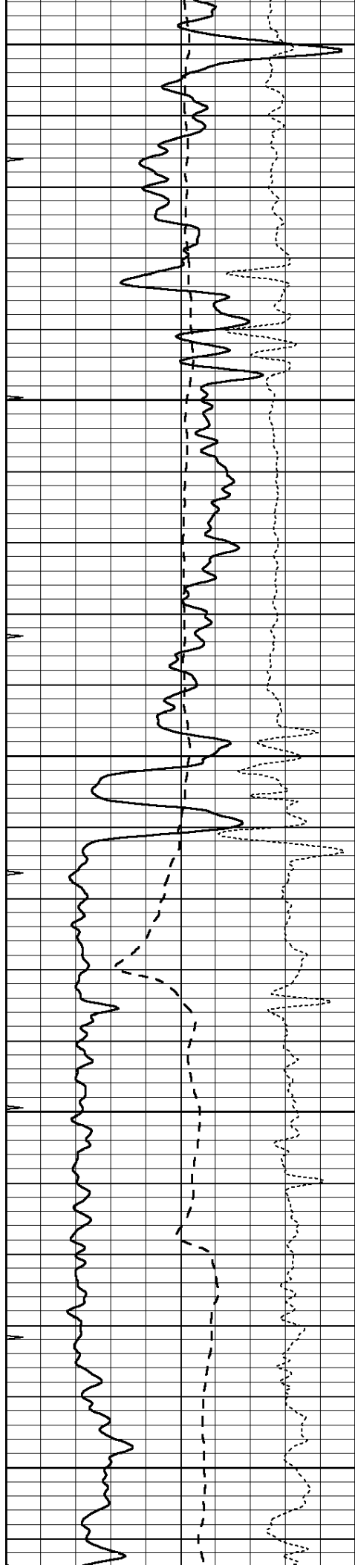
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3450

3500

3550





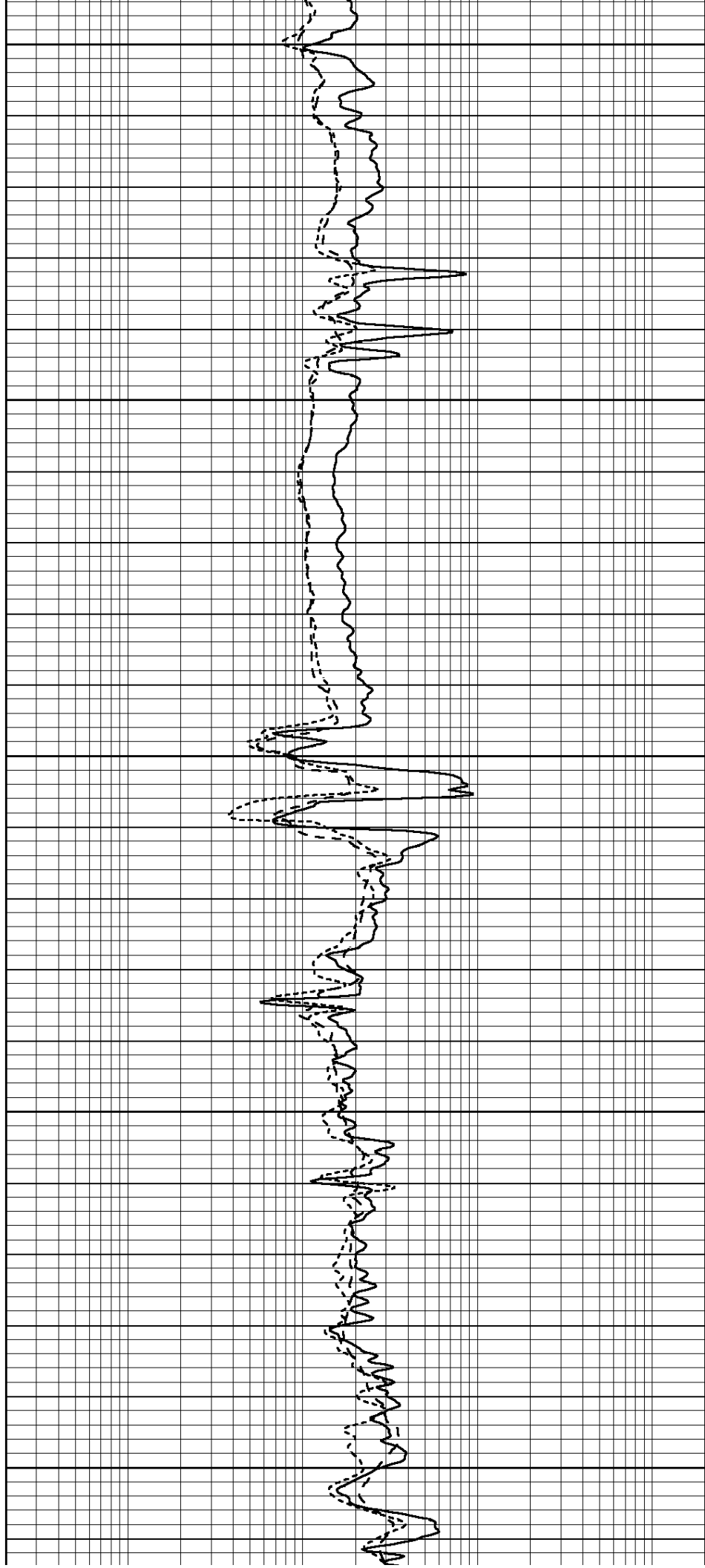
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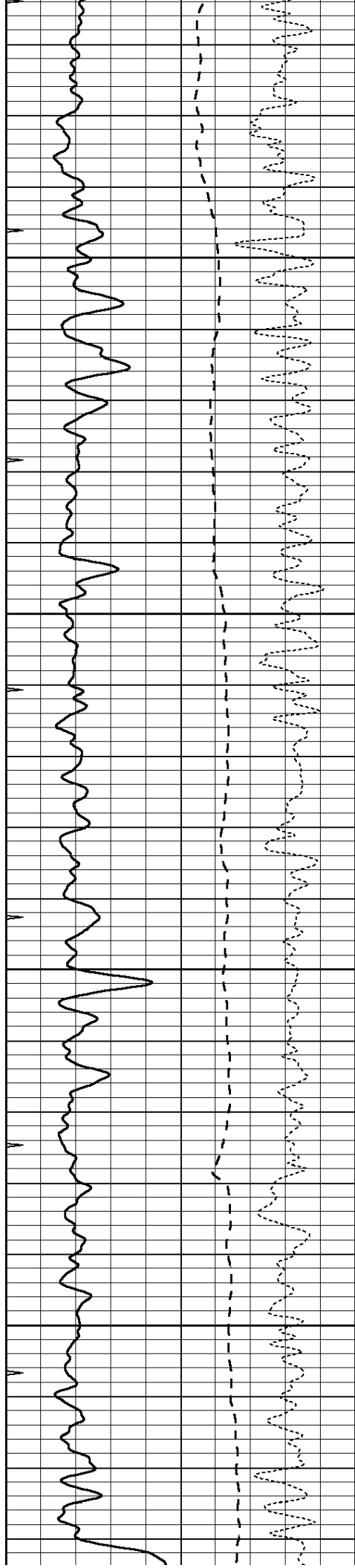
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3700

3750

3800



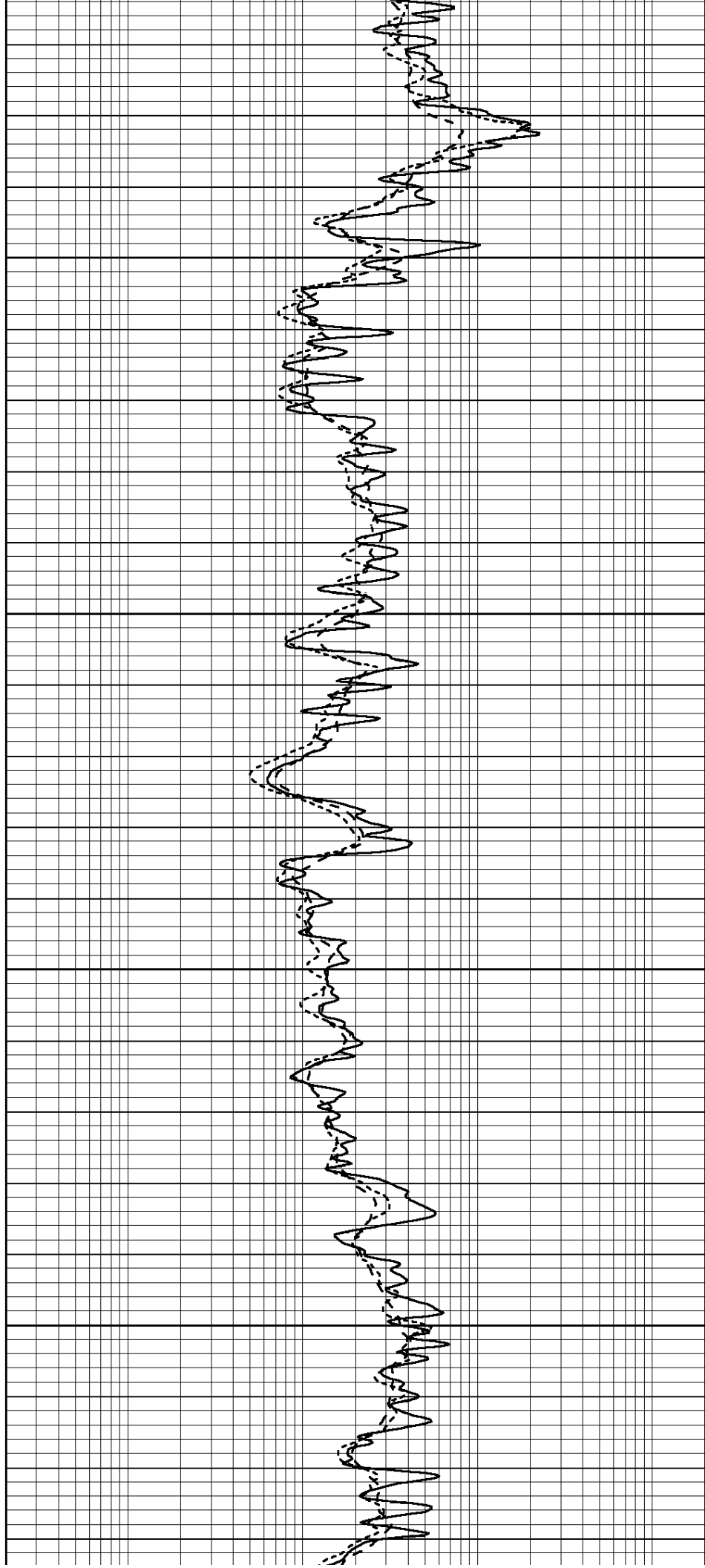


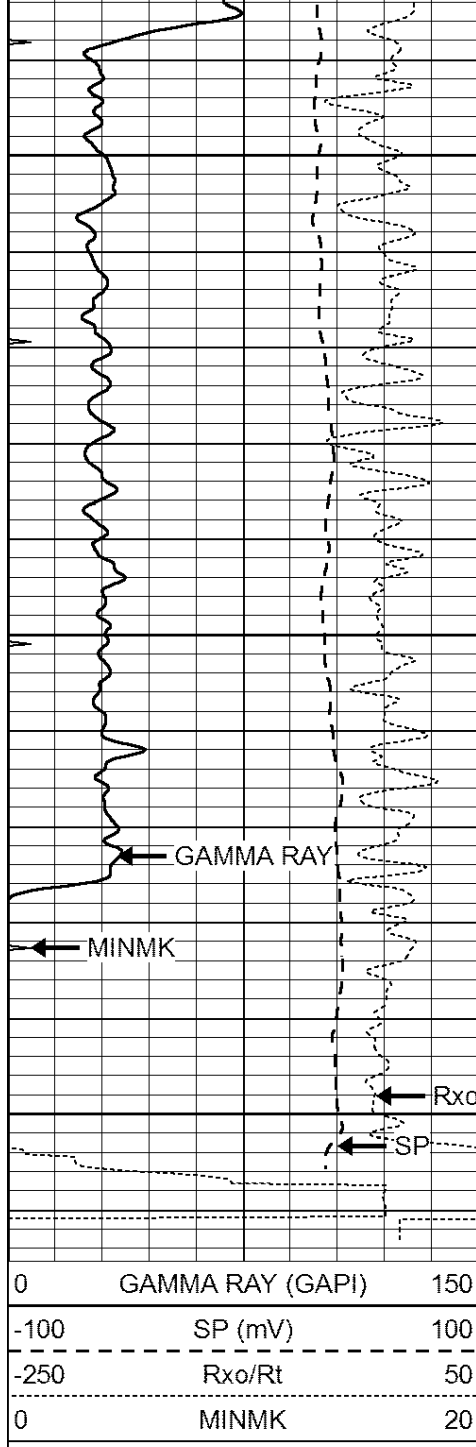
3850

3900

3950

4000



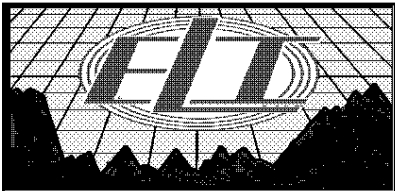
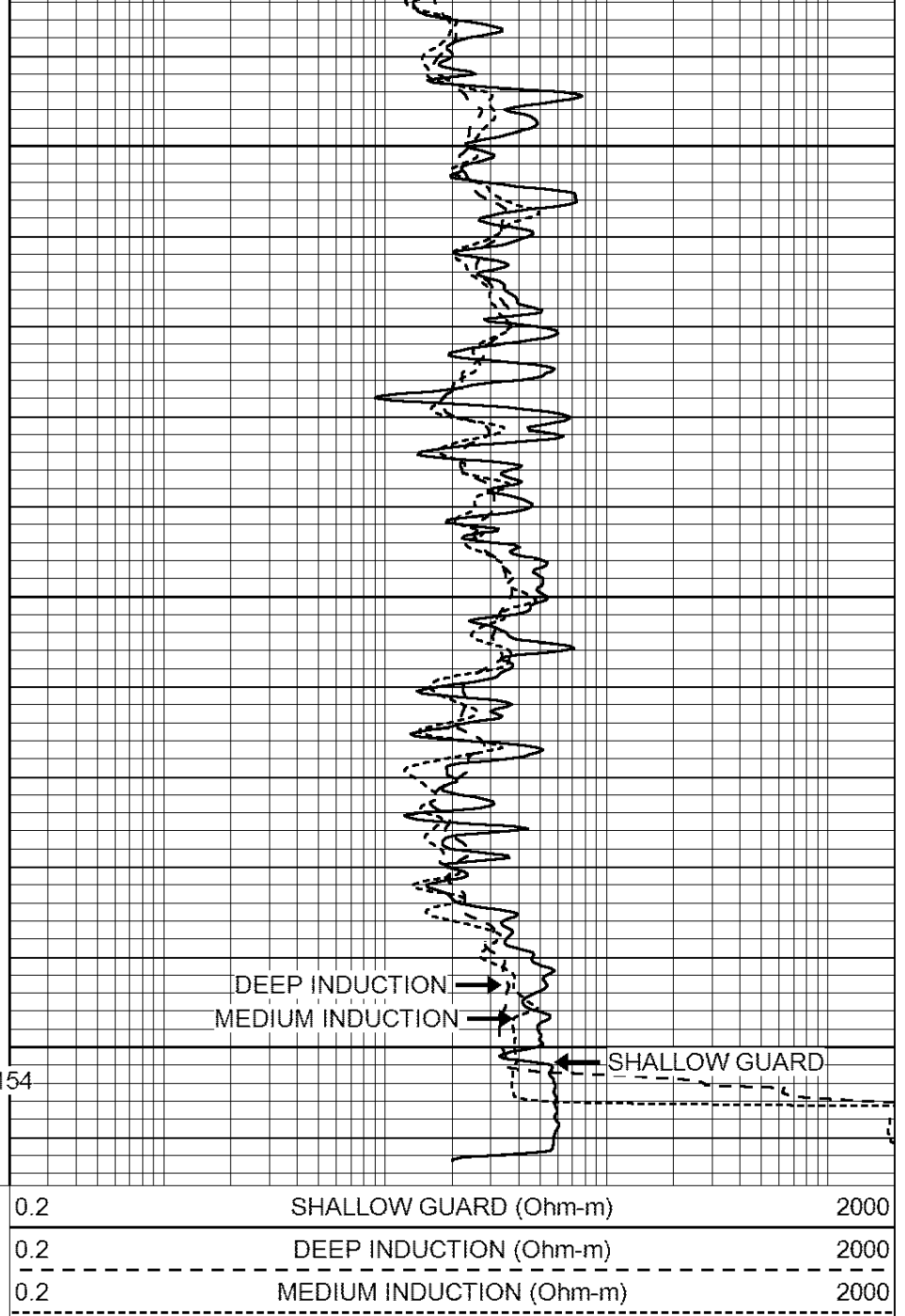


4050

4100

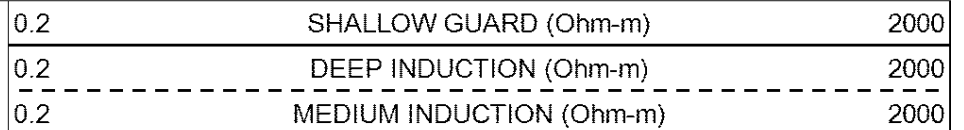
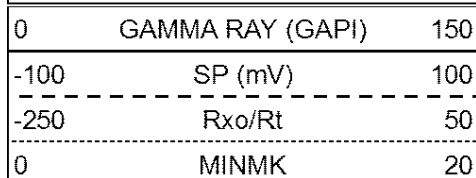
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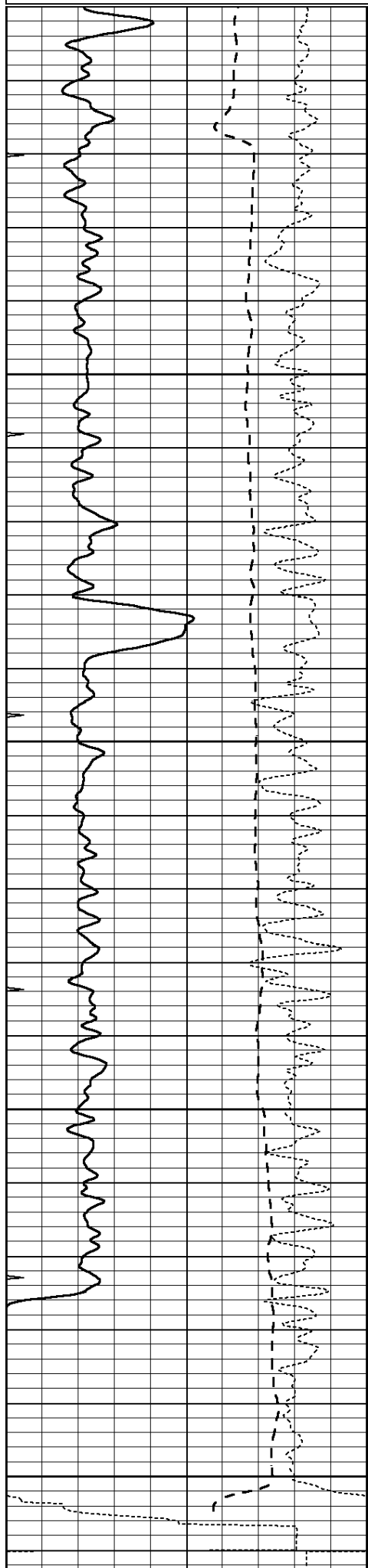
LTD 4154



REPEAT SECTION

Database File: 1808ddn.db
 Dataset Pathname: pass2.1
 Presentation Format: _dil
 Dataset Creation: Fri Jul 28 17:00:47 2017 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240





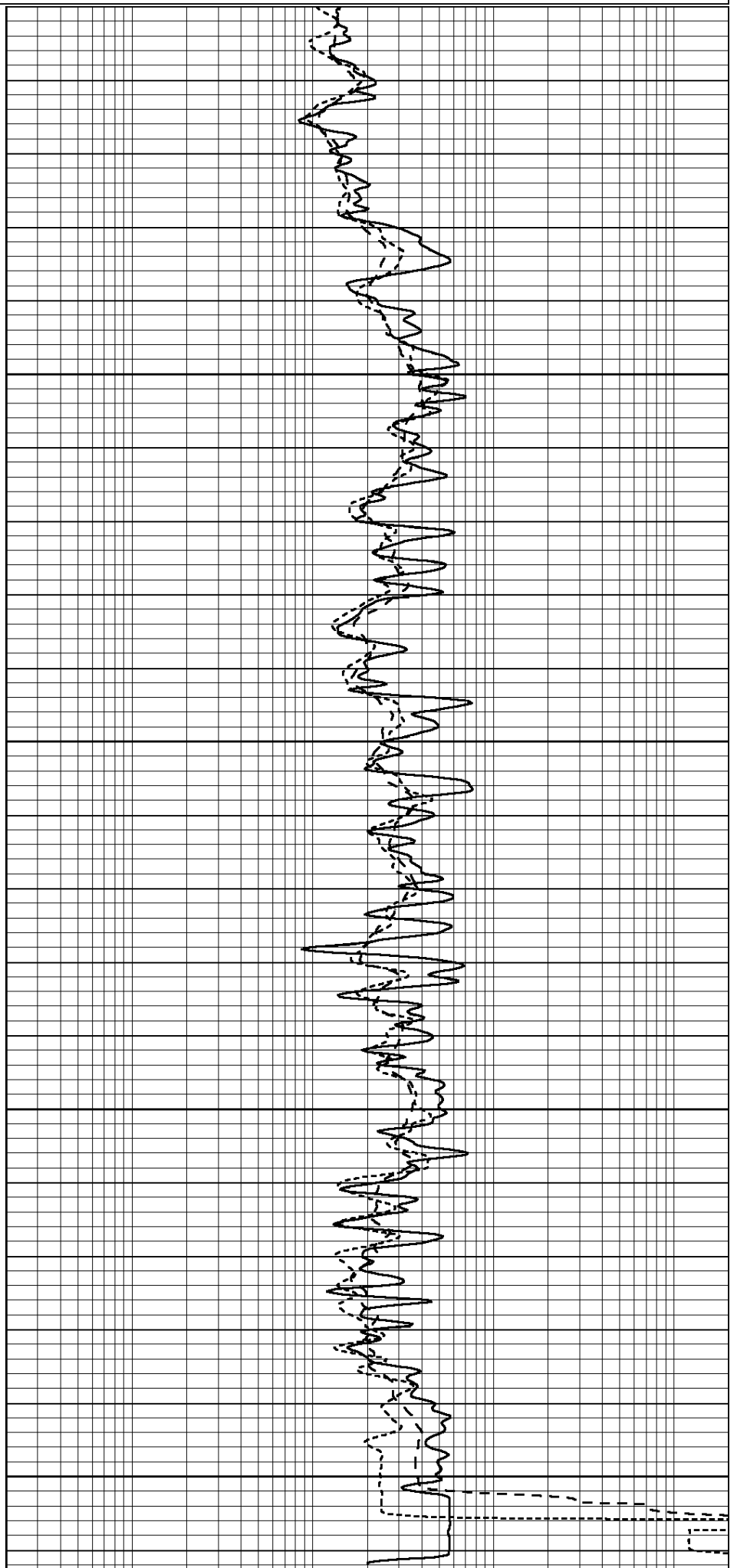
3950

4000

4050

4100

4150



0	GAMMA RAY (GAPI)	150	0.2	SHALLOW GUARD (Ohm-m)	2000
-100	SP (mV)	100	0.2	DEEP INDUCTION (Ohm-m)	2000
-250	Rxo/Rt	50	0.2	MEDIUM INDUCTION (Ohm-m)	2000
0	MINMK	20			

Calibration Report									
Database File:		1808ddn.db							
Dataset Pathname:		pass2.1							
Dataset Creation:		Fri Jul 28 17:00:47 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		708.82		465.02	g/cc	

Magnesium	1.710	g/cc	798.83	403.02	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:		Fri Jul 28 16:13:51 2017				

Calibrator Value:	150.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	276.0	cps
Sensitivity:	0.5800	GAPI/cps