



DUAL INDUCTION LOG

Company VINCENT OIL CORPORATION

Well BORGER #1-5

Field LAPPIN SW

County HODGEMAN State KANSAS

Location: API #: 15-083-21986-0000

2310' FNL & 2678' FEL

Other Services
CDL/CNL/PE
MEL/SON

SEC 5 TWP 24S RGE 23W

Elevation

Permanent Datum GROUND LEVEL Elevation 2447
Log Measured From KELLY BUSHING 5' A.G.L.
Drilling Measured From KELLY BUSHING

K.B. 2452
D.F. 2450
G.L. 2447

Date 6/15/21

Run Number ONE

Depth Driller 4830

Depth Logger 4834

Bottom Logged Interval 4832

Top Log Interval 00

2500 - 2800

Casing Driller 8 5/8" @ 355

Casing Logger 355

Bit Size 7 7/8

Type Fluid in Hole CHEMICAL MUD

CHLORIDES 7050 PPM

Density / Viscosity 9.3/45

pH / Fluid Loss 9.0/10.8

Source of Sample FLOWLINE

Rm @ Meas. Temp .60 @ 82F

Rmf @ Meas. Temp .45 @ 82F

Rmc @ Meas. Temp .72 @ 82F

Source of Rmf / Rmc MEASUREMENT

Rm @ BHT .40 @ 123F

Time Circulation Stopped 2 HOURS

Time Logger on Bottom 1111

Maximum Recorded Temperature 123F

Equipment Number 3802

Location HAYS, KANSAS

Recorded By JASON CAPPELLUCCI

Witnessed By TOM DUDGEON

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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

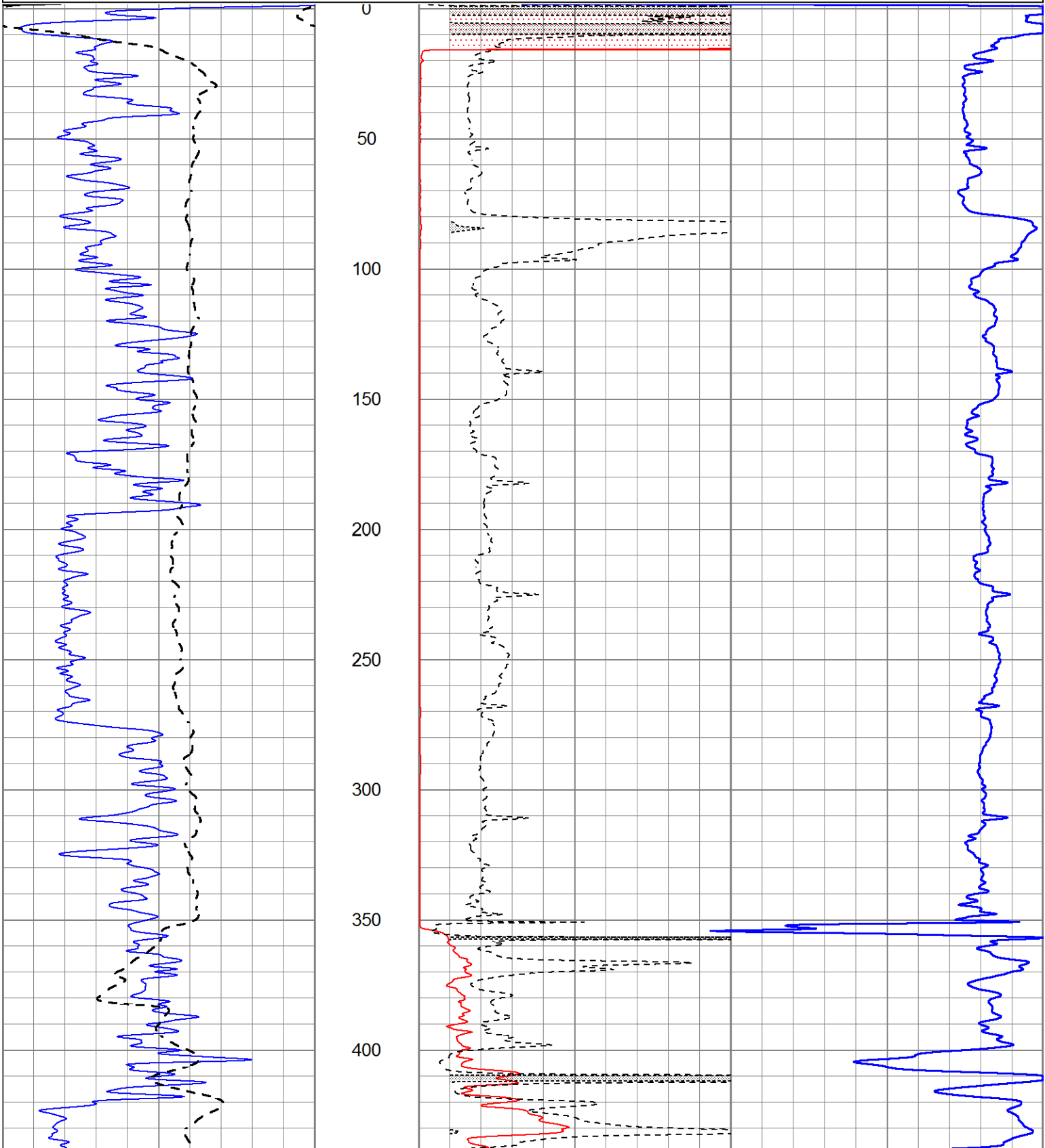
THANK YOU FOR USING ELI WIRELINE SERVICES, HAYS, KS. (785) 628-6395
DIRECTIONS
JETMORE, KS. - 6 SOUTH TO RD. G - 1 1/2 EAST - SOUTH INTO JUST WEST OF THE FARM

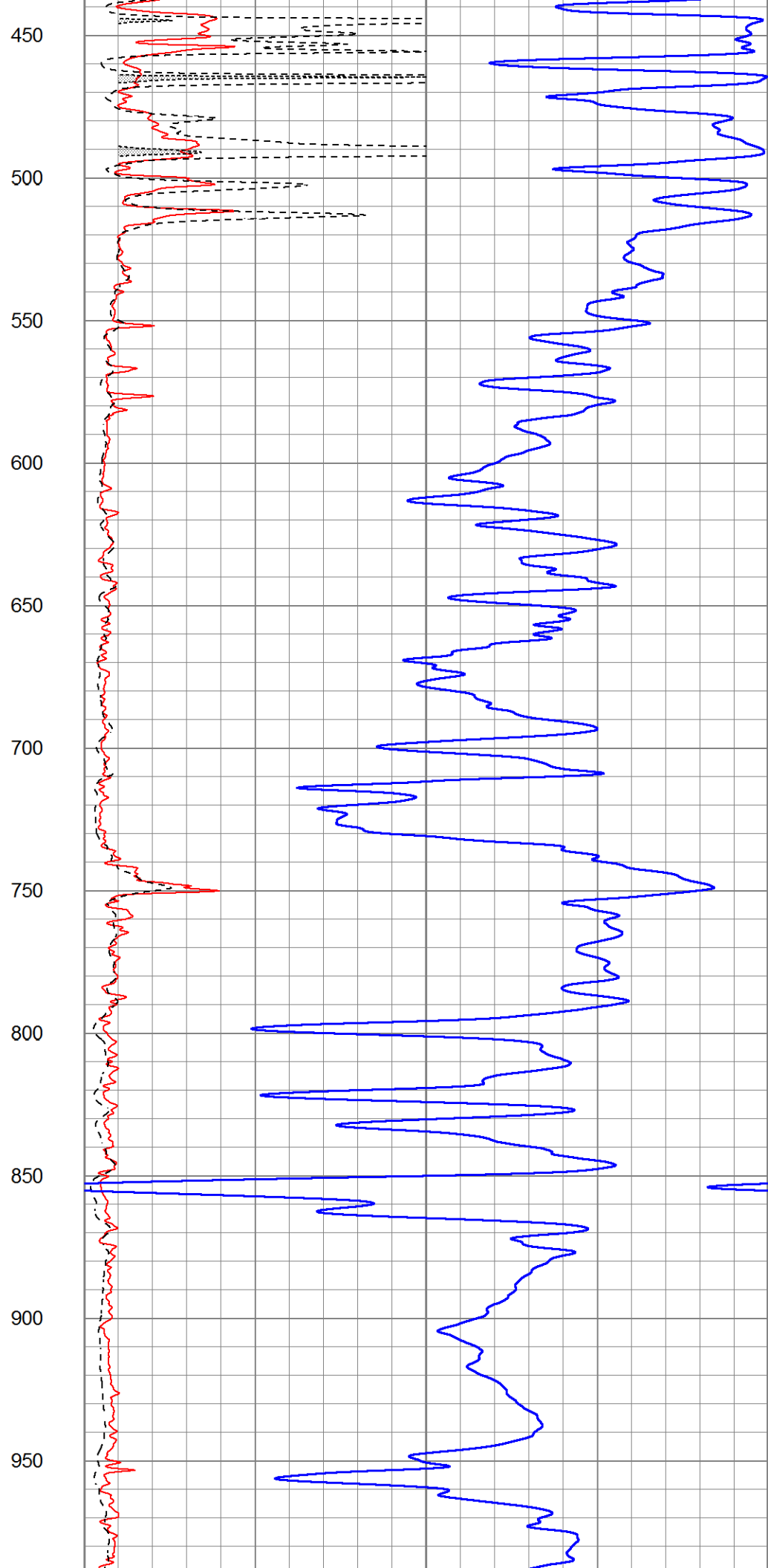
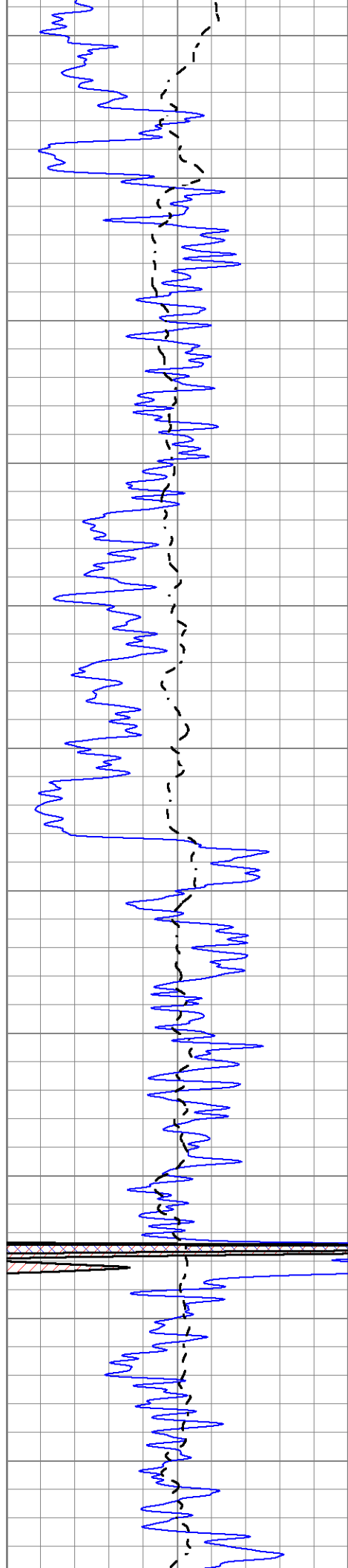


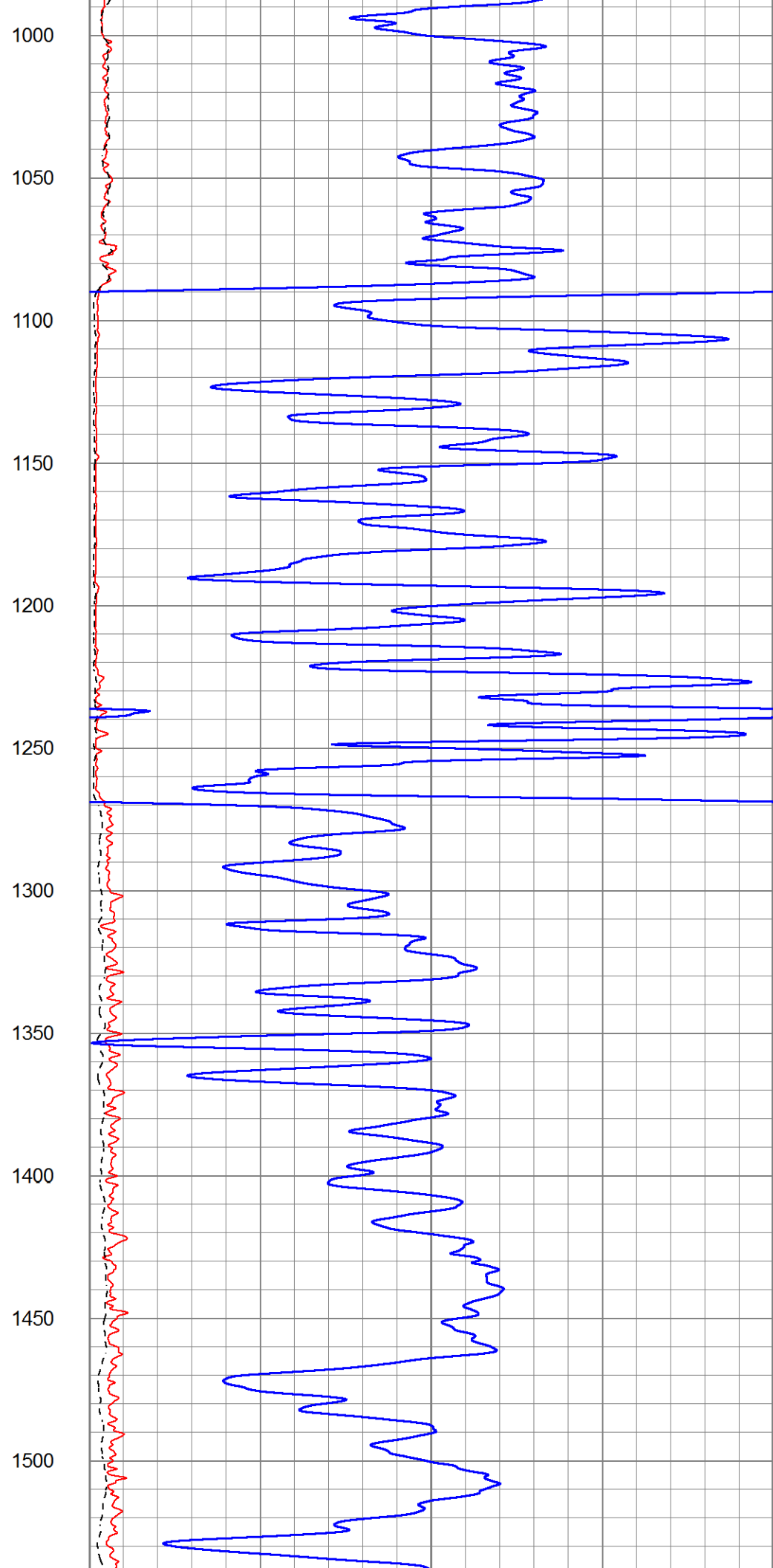
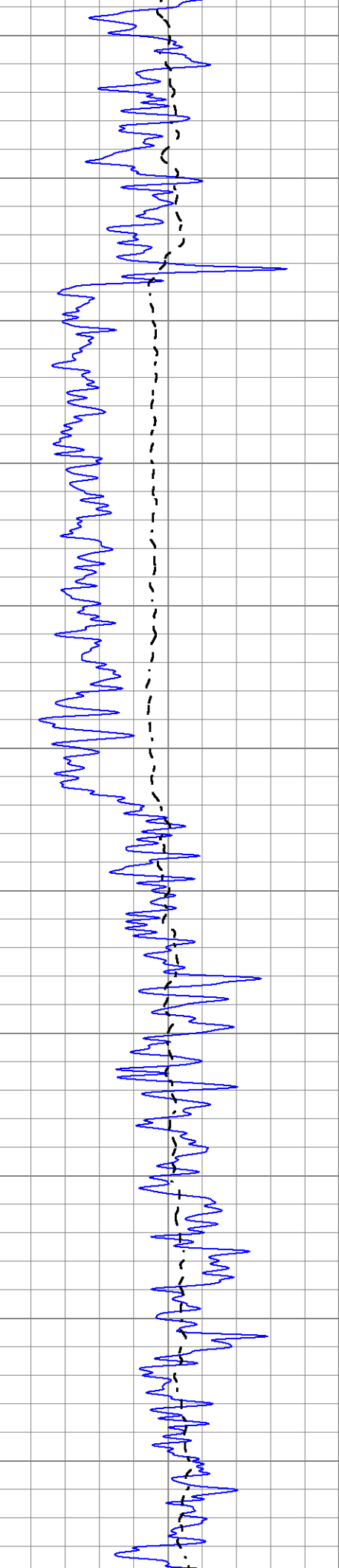
MAIN SECTION

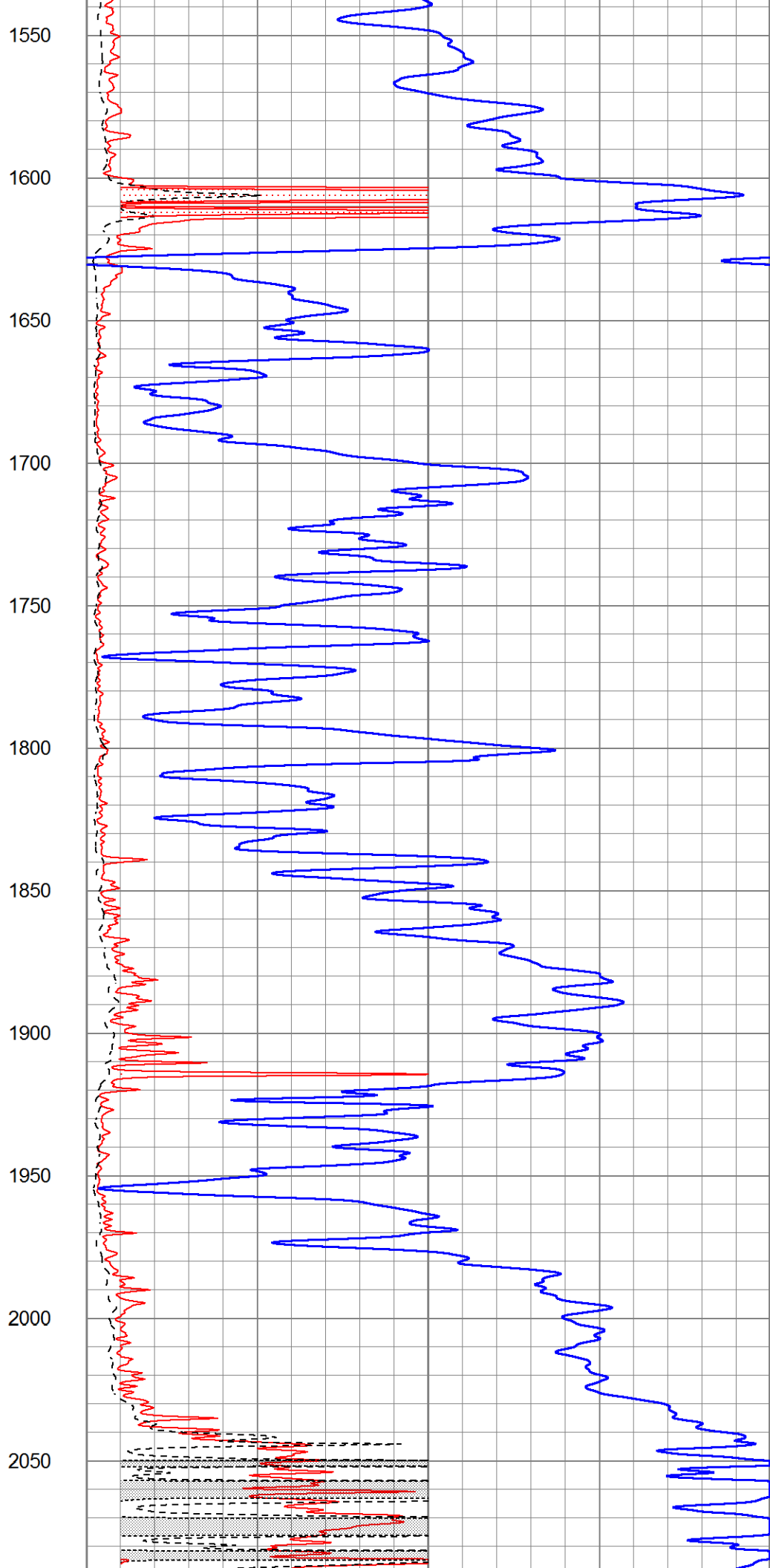
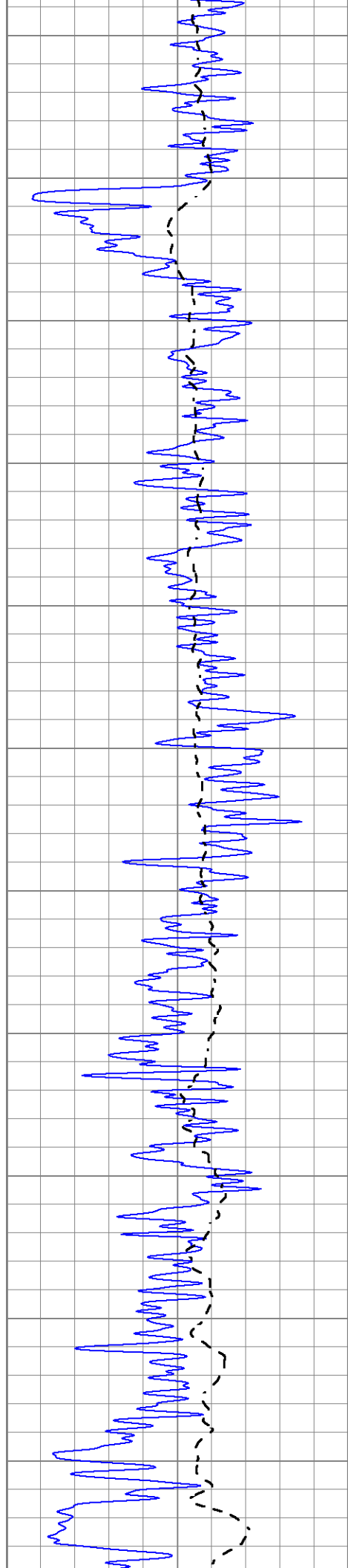
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Dataset Pathname	pass3.3
Presentation Format	_dil2
Dataset Creation	Wed Jun 16 02:07:23 2021
Charted by	Depth in Feet scaled 1:600

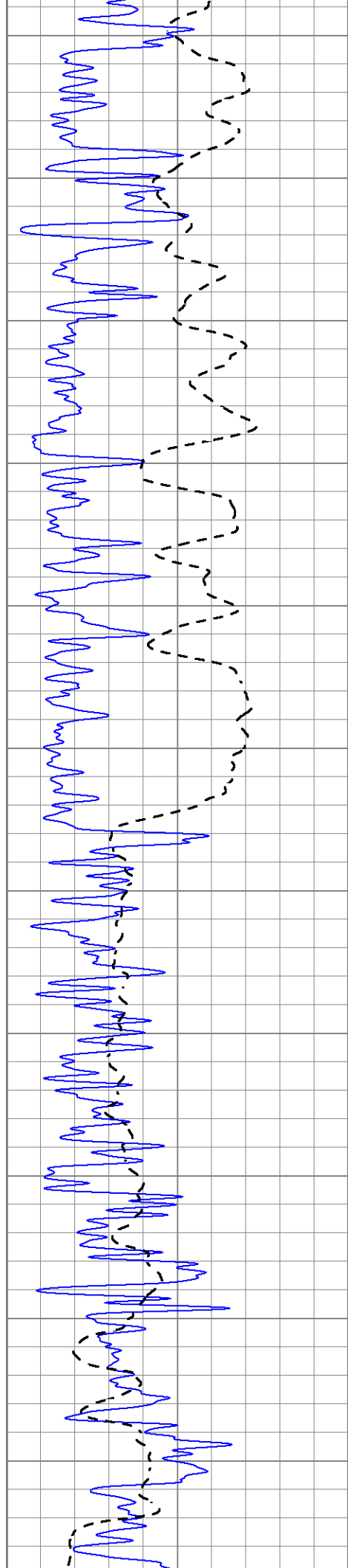
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-100	SP (mV)	100	0	RLL3 (Ohm-m)	50
-----			0	Deep Induction (Ohm-m)	50
			50	RILD X10 (Ohm-m)	500
			50	RLL3 X10 (Ohm-m)	500











2100

2150

2200

2250

2300

2350

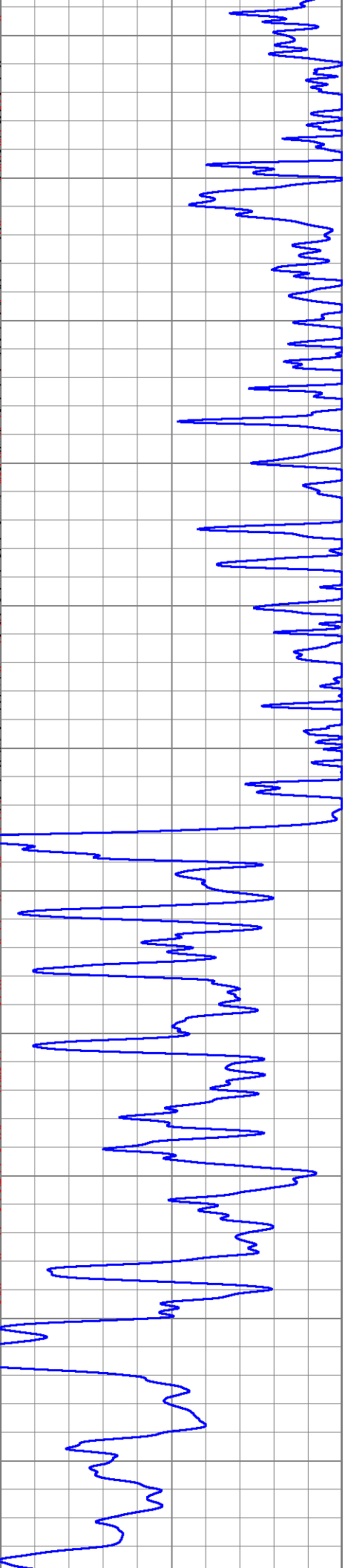
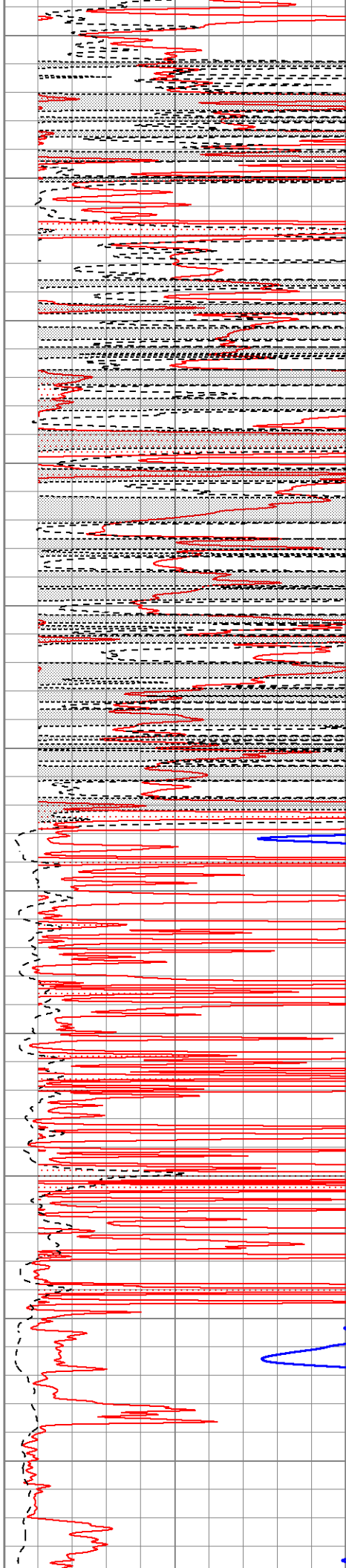
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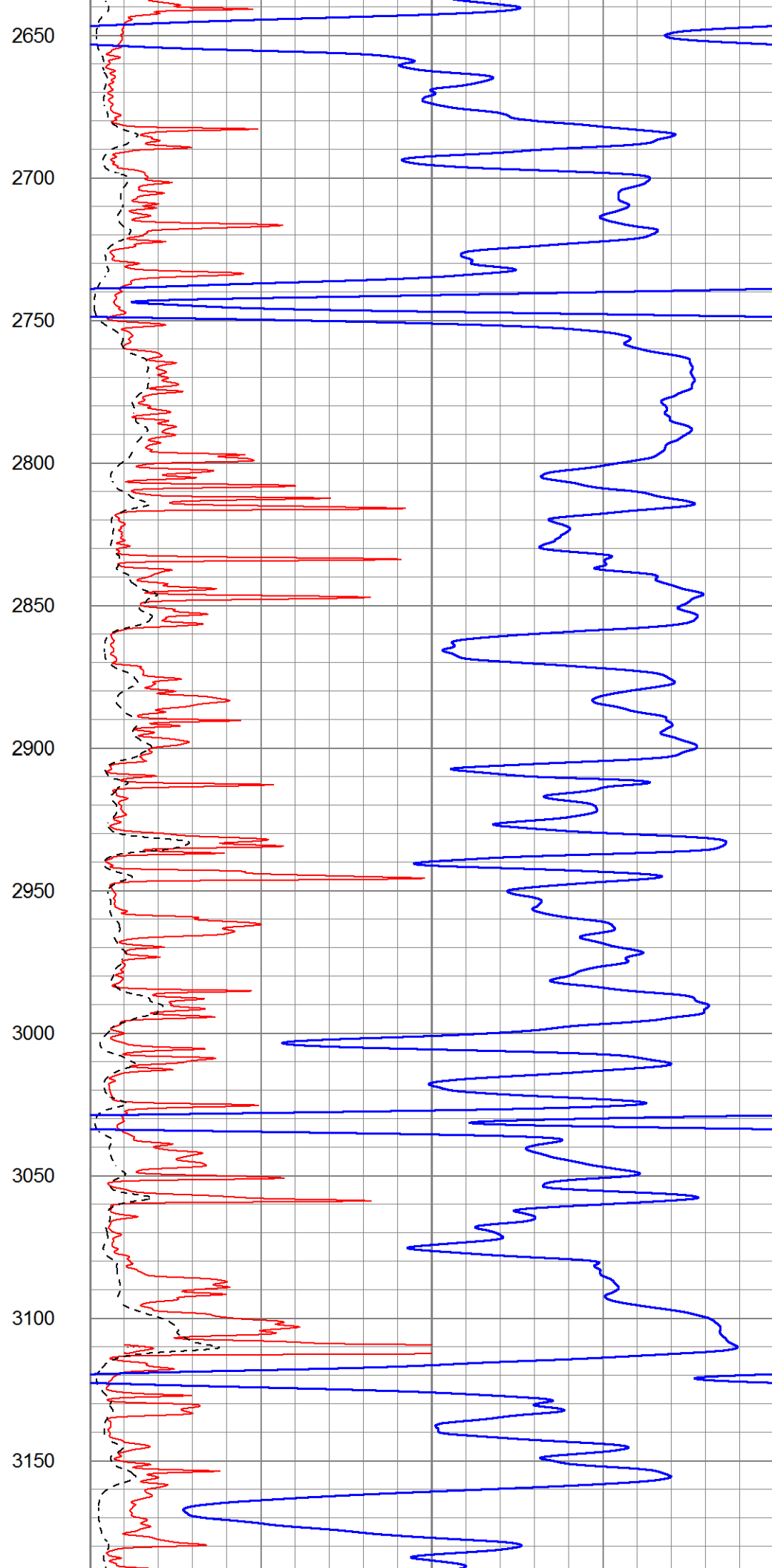
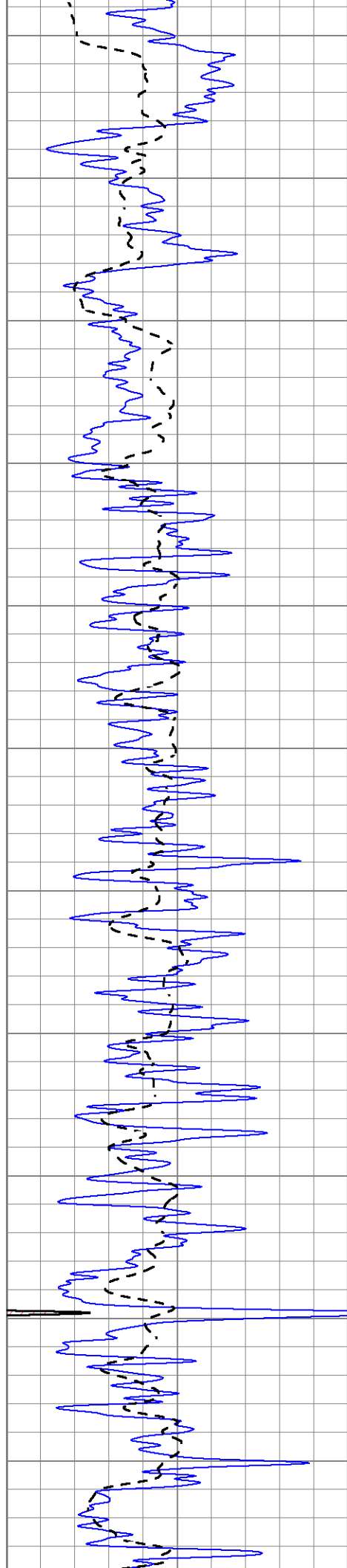
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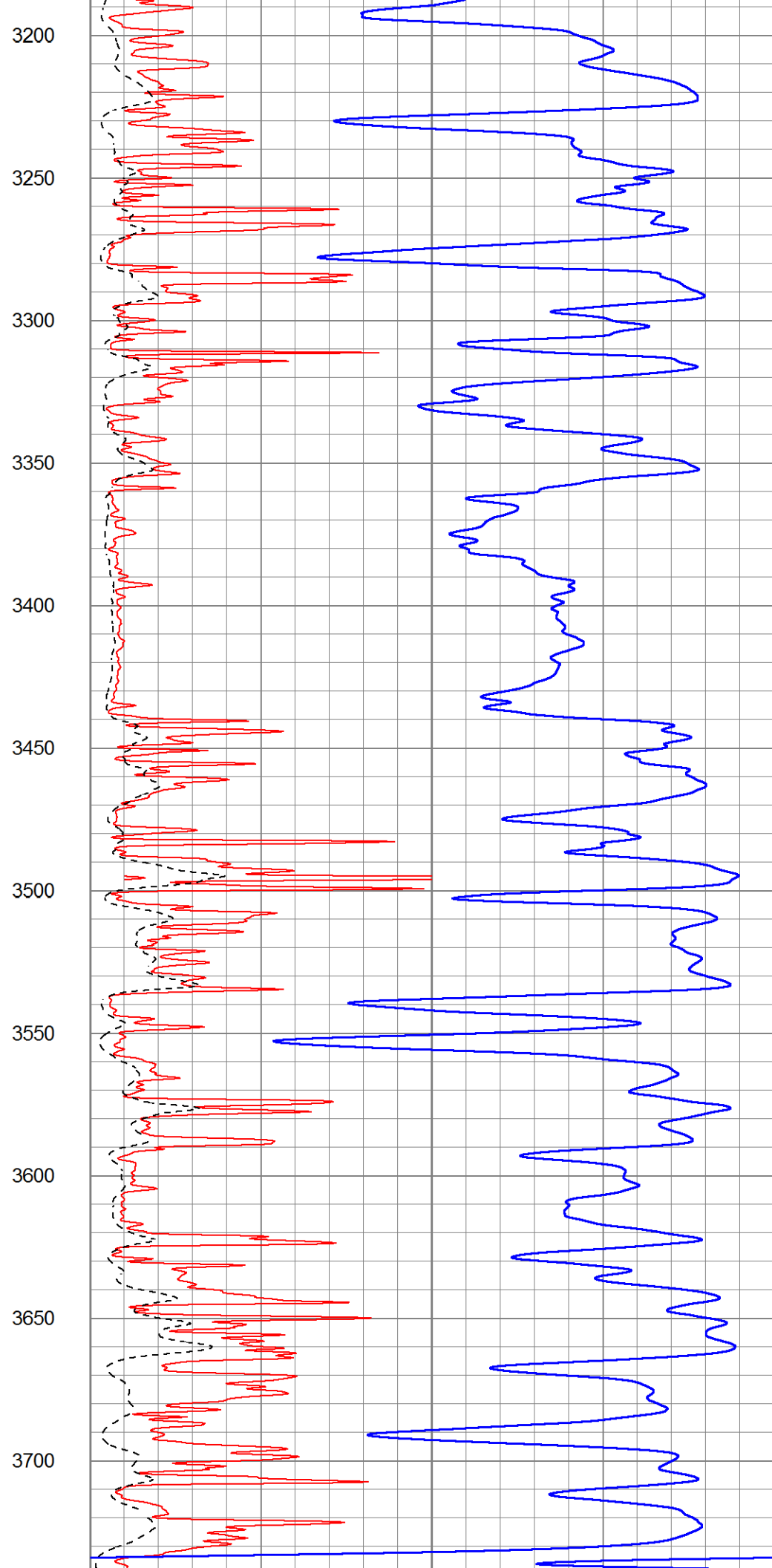
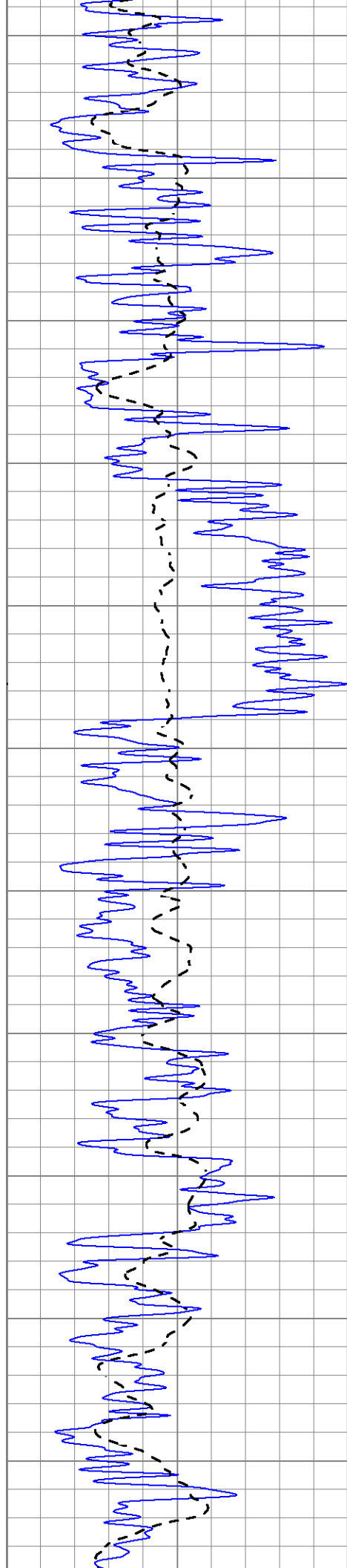
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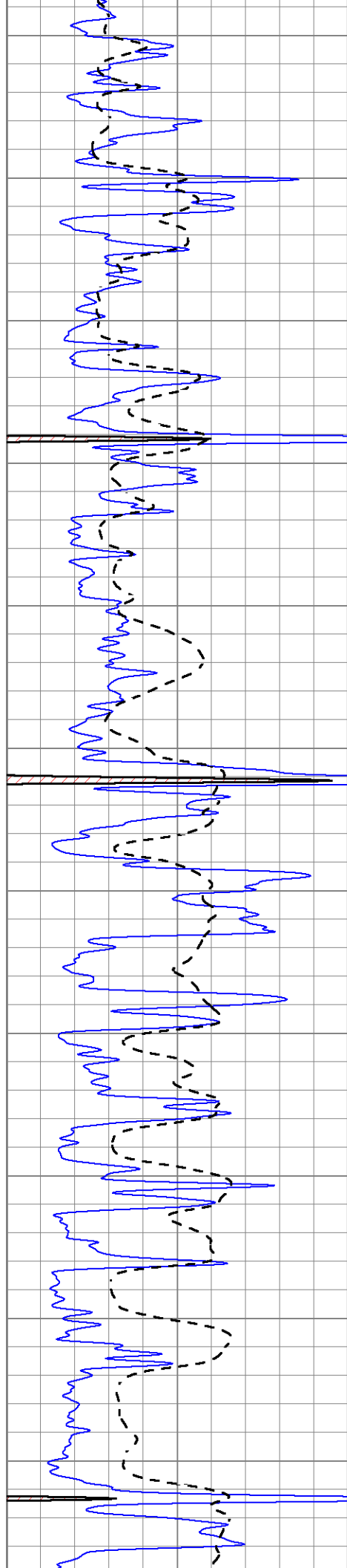
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2600









3750

3800

3850

3900

3950

4000

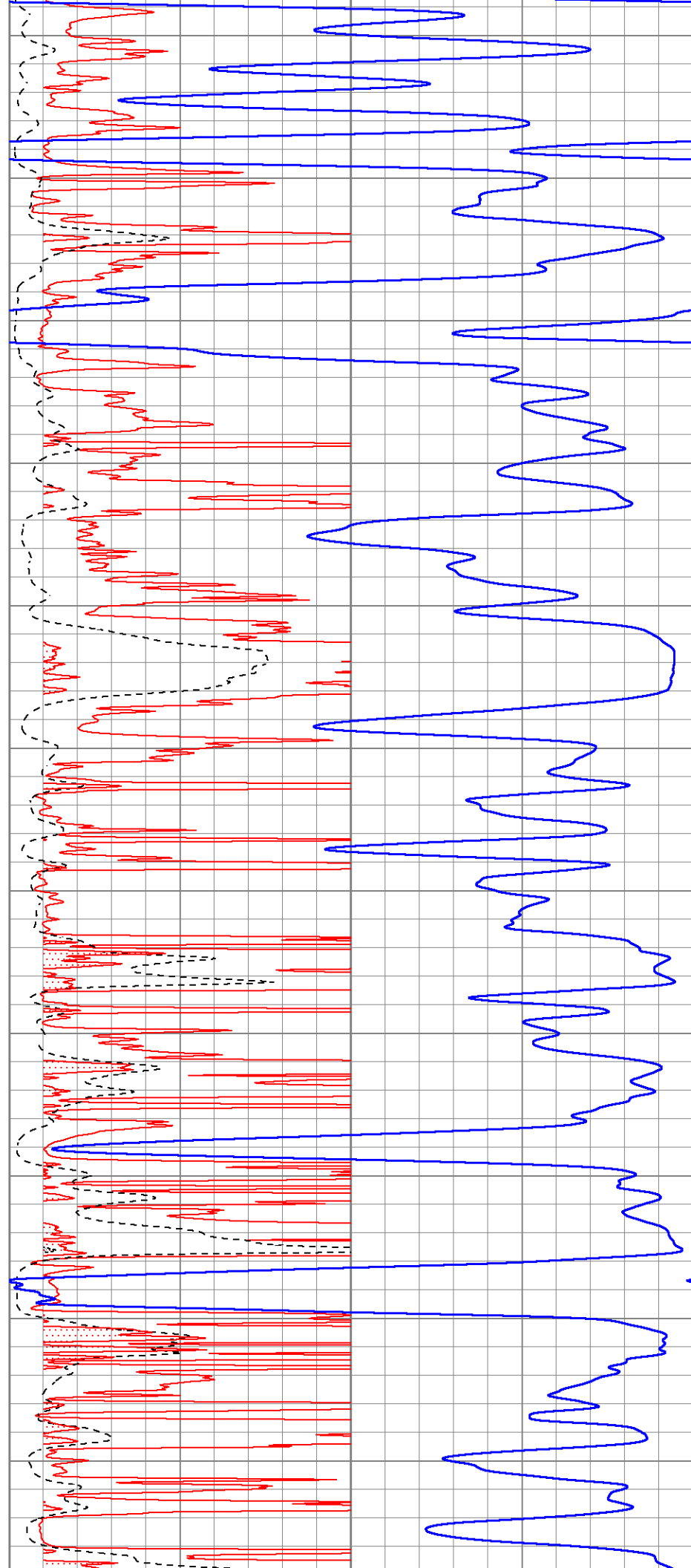
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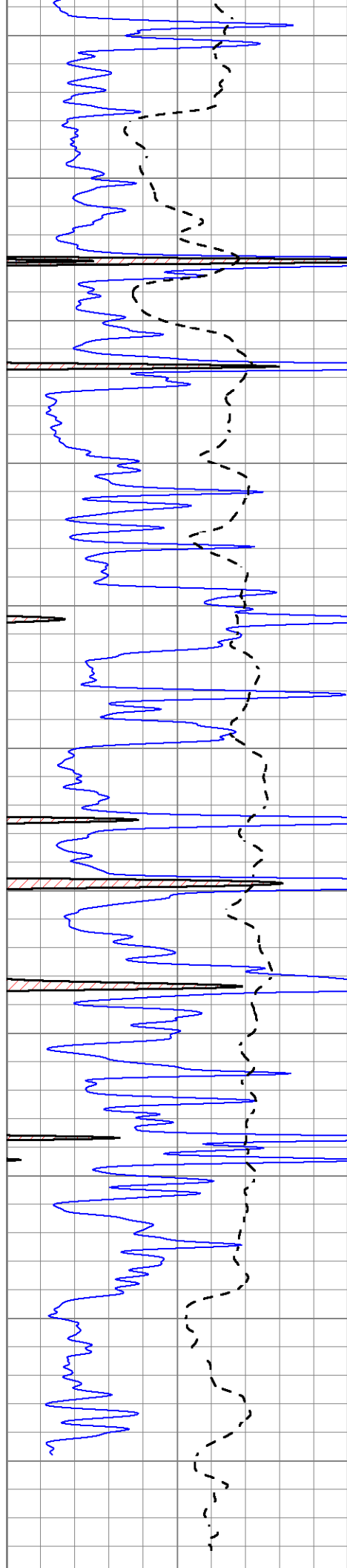
4100

4150

4200

4250





4300

4350

4400

4450

4500

4550

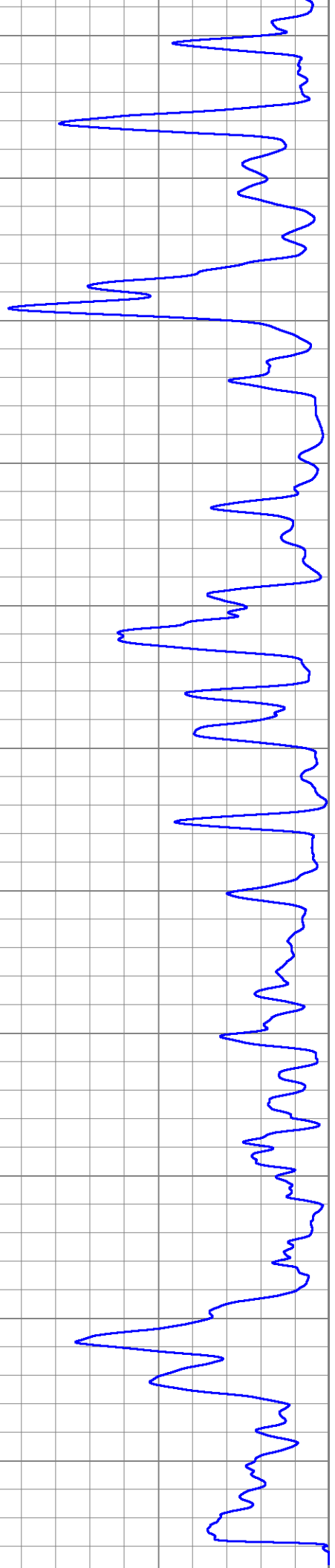
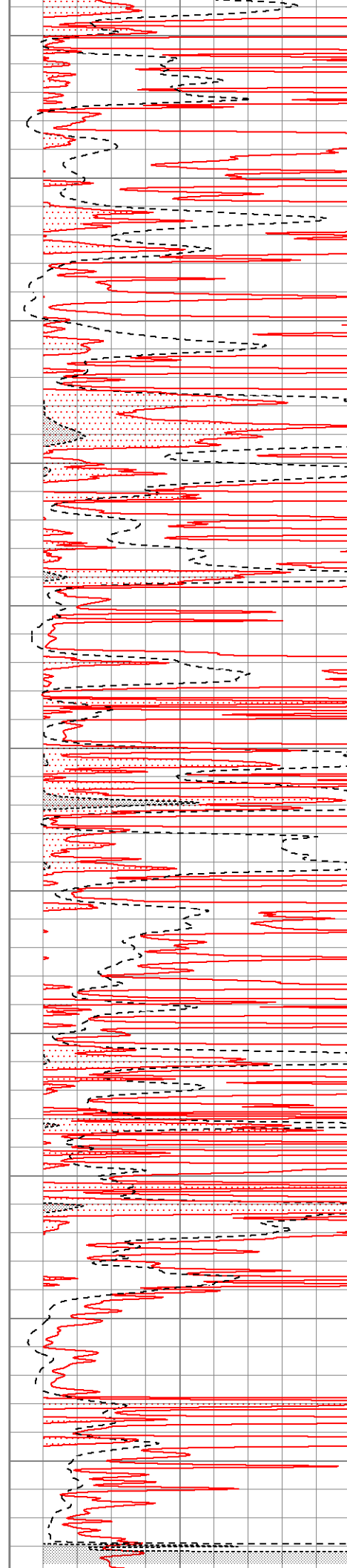
4600

4650

4700

4750

4800



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	RILD X10 (Ohm-m)	500
50	RLL3 X10 (Ohm-m)	500

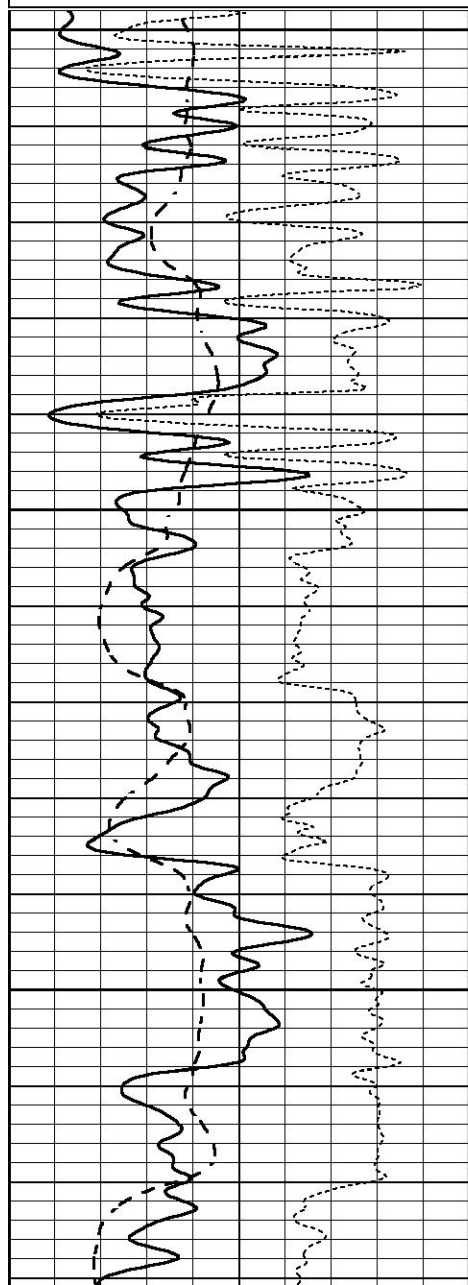


UPPER SECTION

Database File 5224pe.db
 Dataset Pathname pass3.2
 Presentation Format _dil
 Dataset Creation Wed Jun 16 01:24:07 2021
 Charted by Depth in Feet scaled 1:240

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

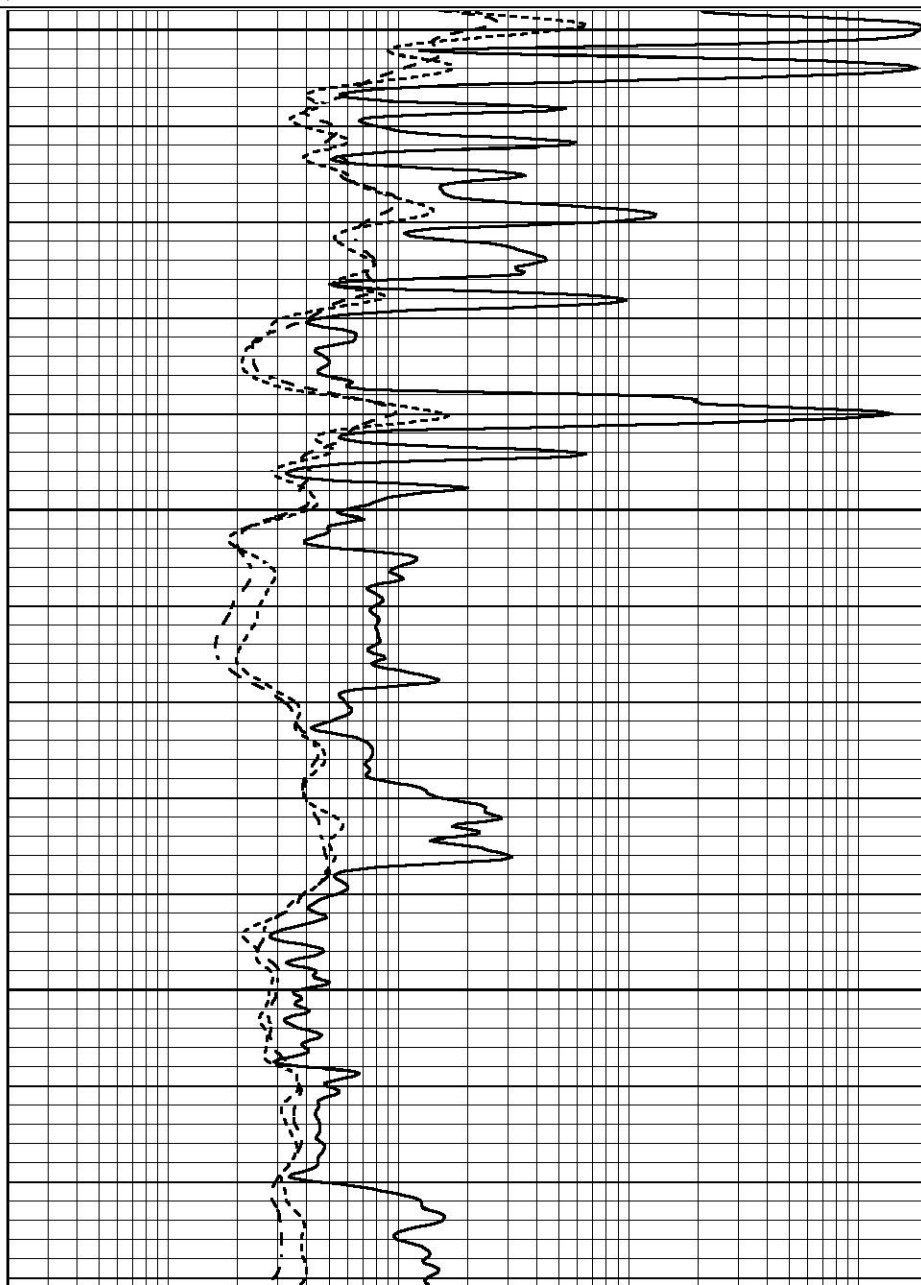
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000

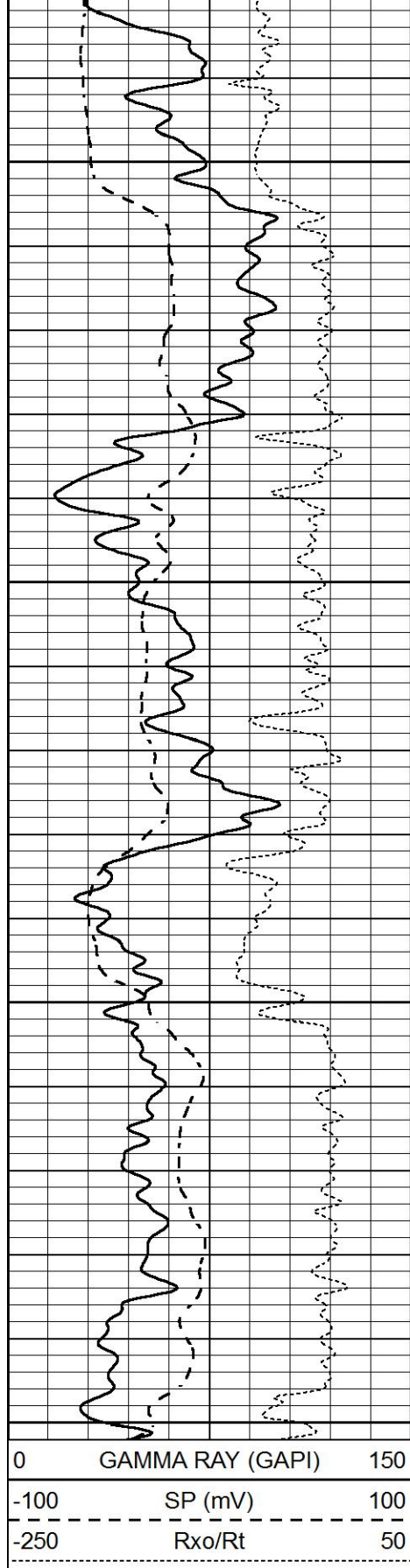


2500

2550

2600



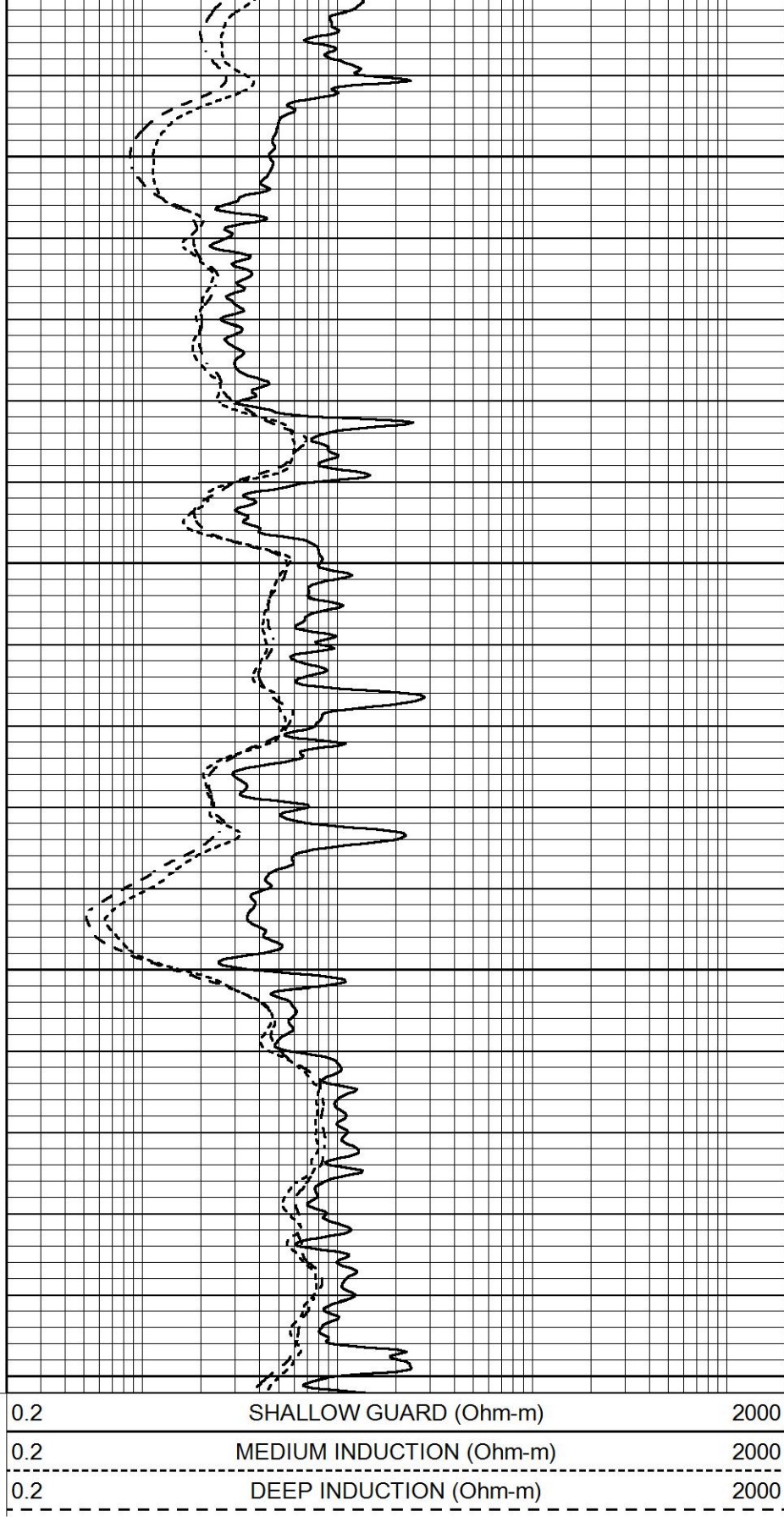


2650

2700

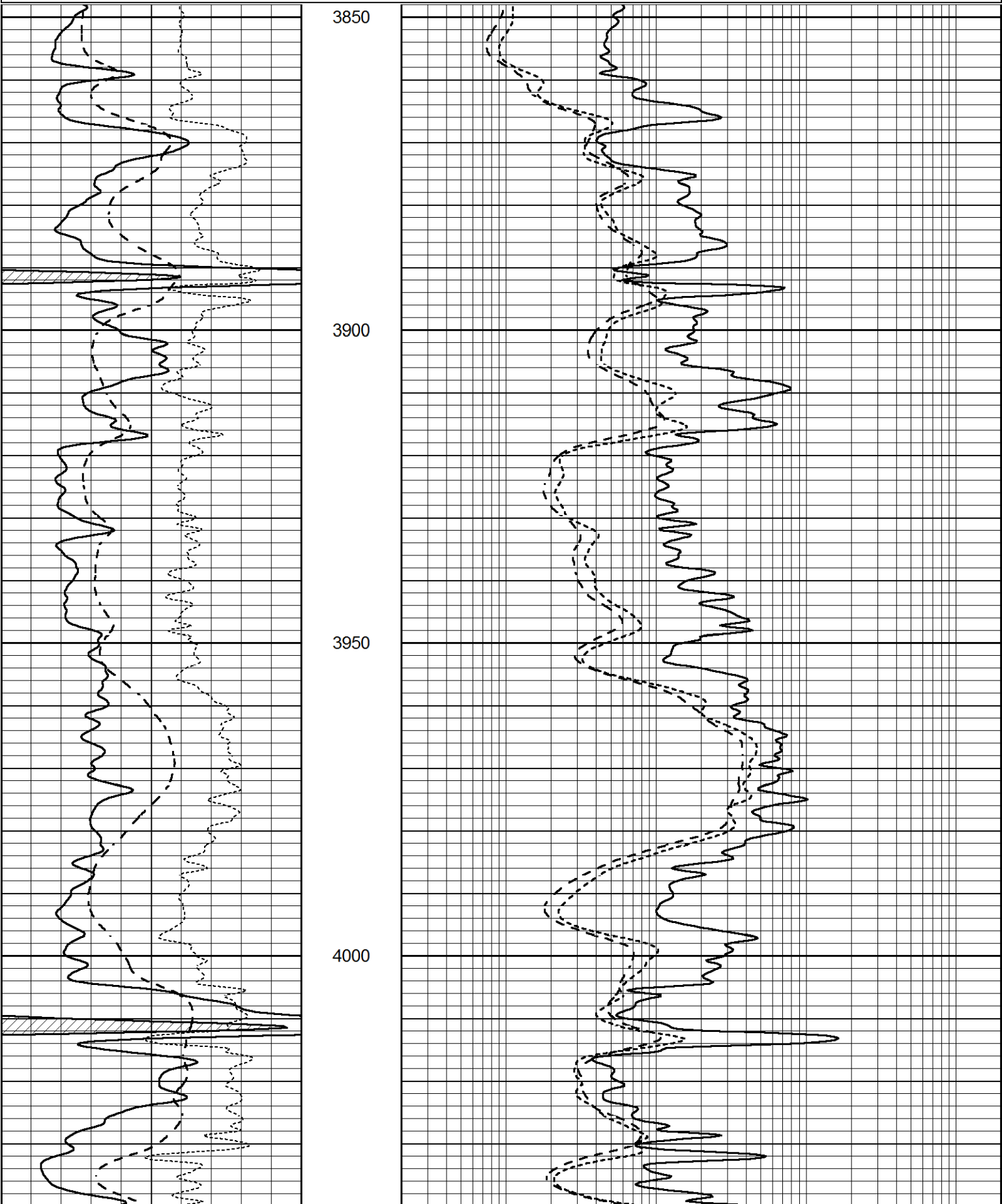
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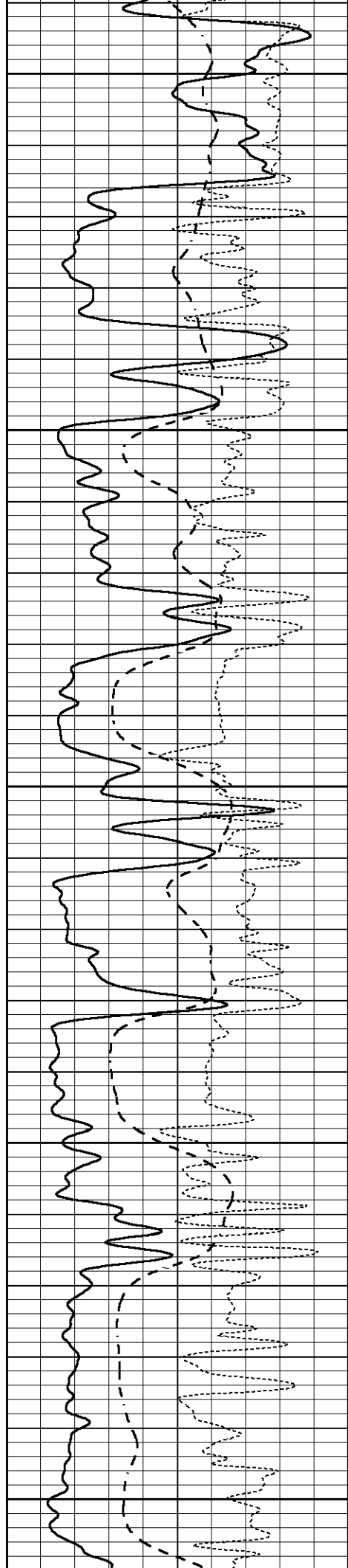
2800



MAIN SECTION

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





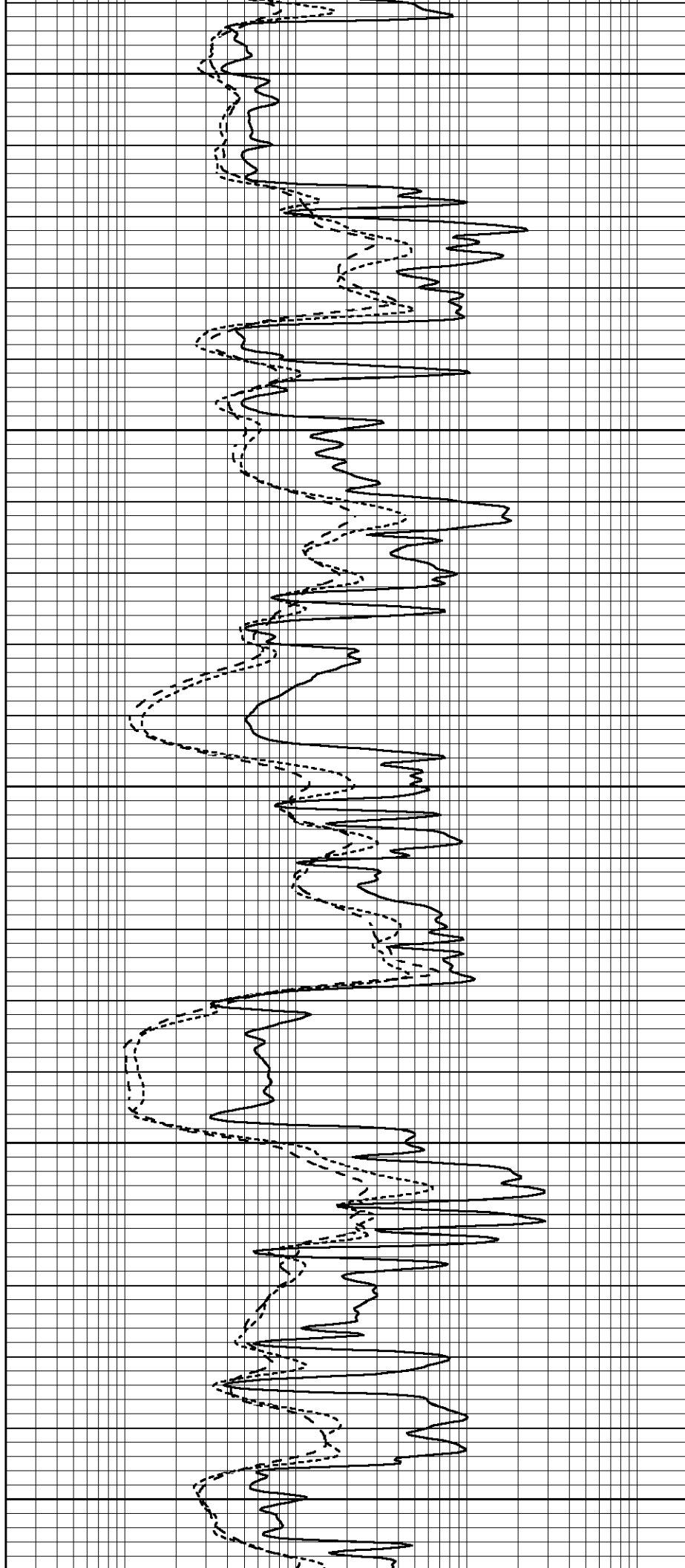
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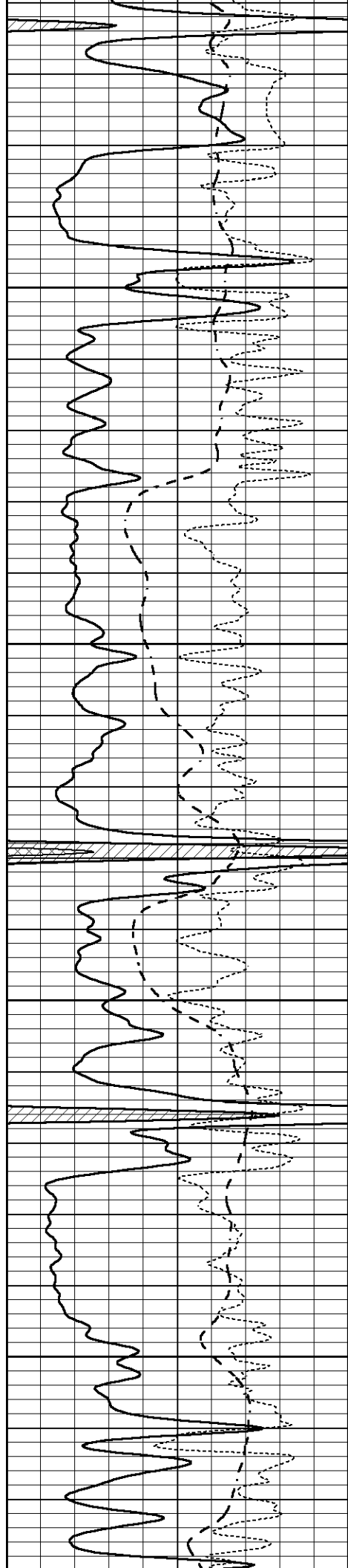
4100

4150

4200

4250



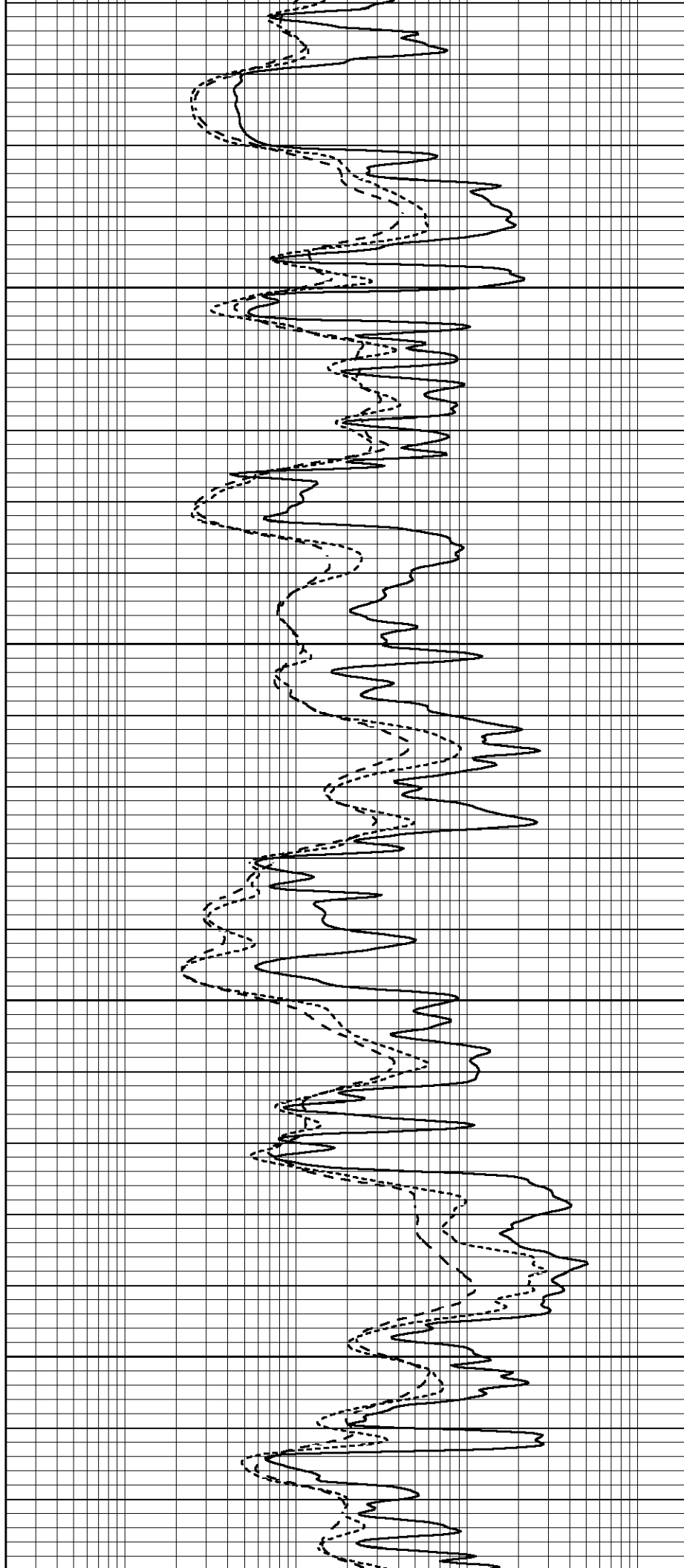


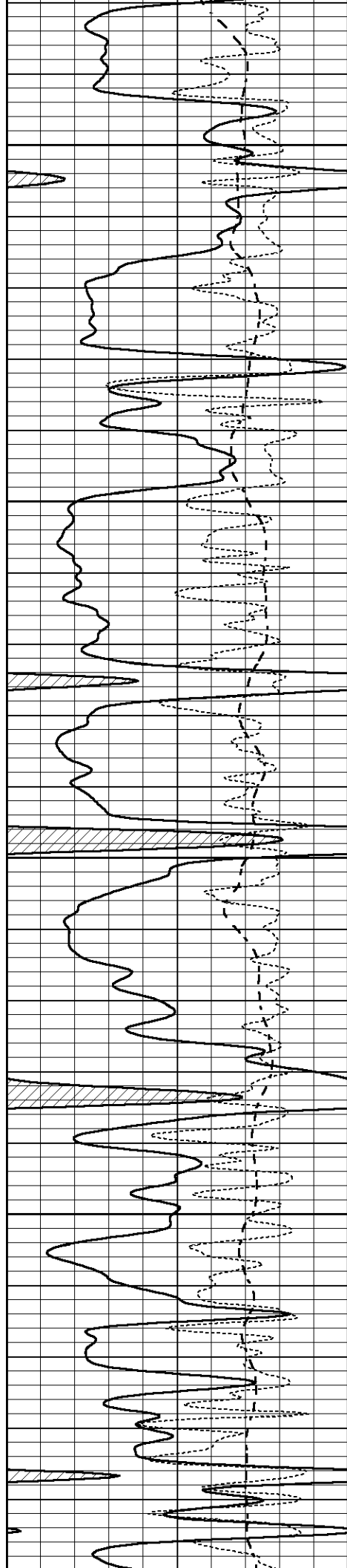
4300

4350

4400

4450





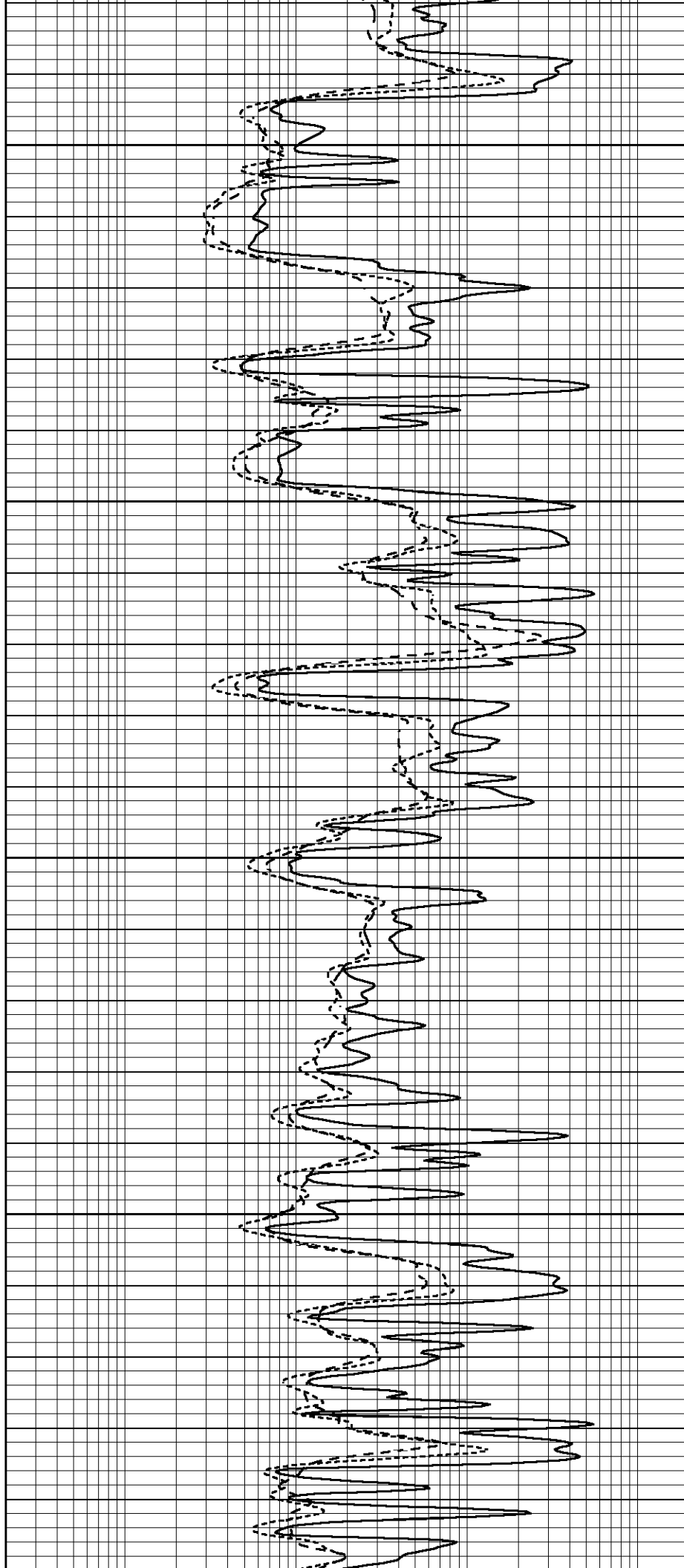
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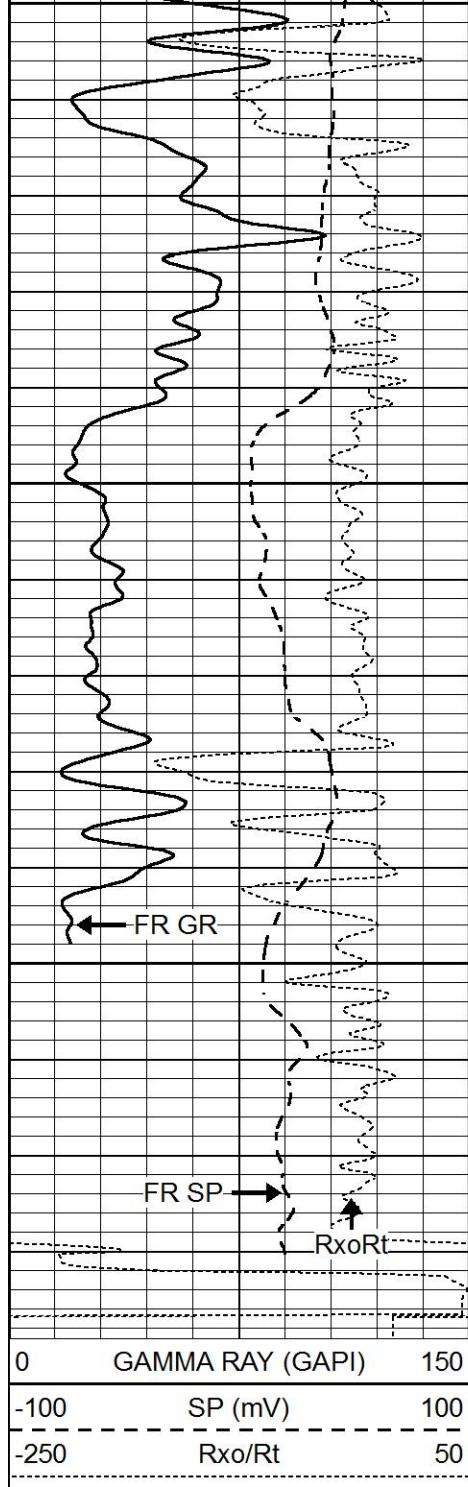
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4600

4650

4700



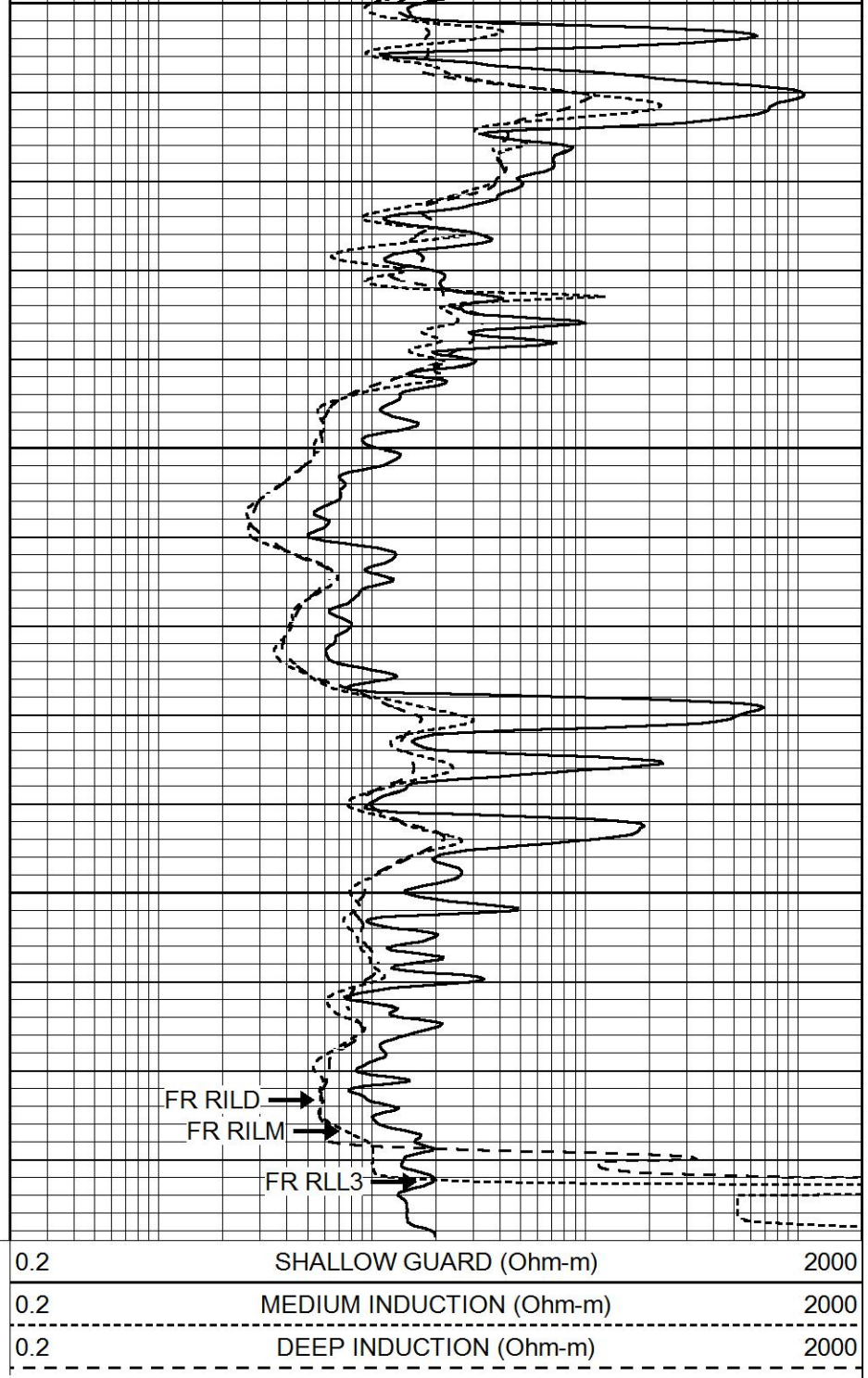


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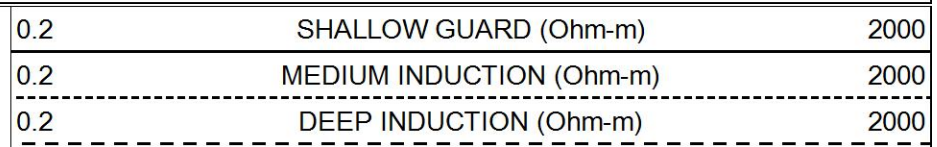
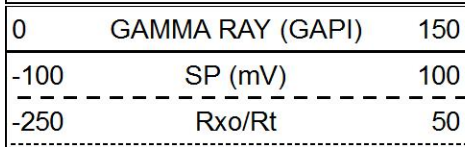
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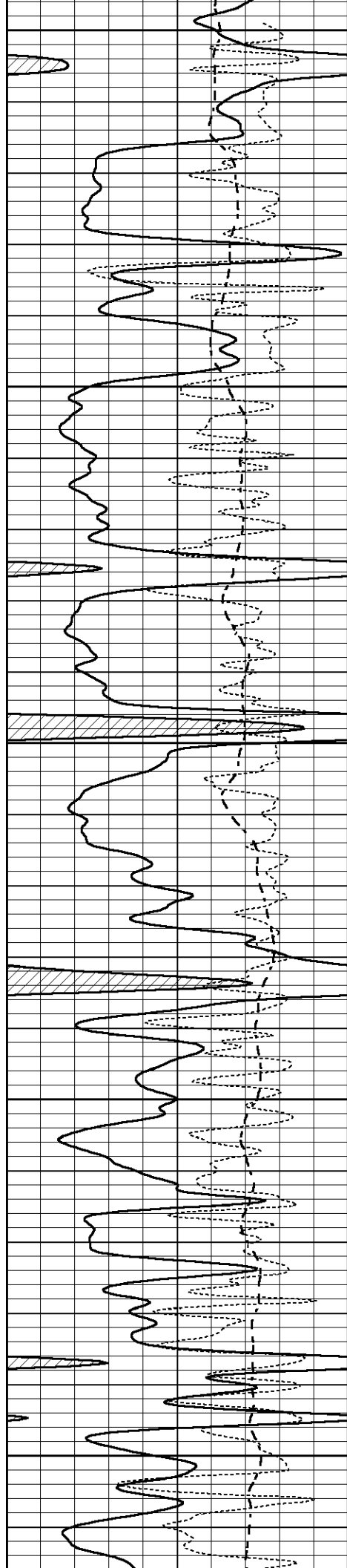
LTD 4834



REPEAT SECTION

Database File 5224pe.db
 Dataset Pathname pass2.1
 Presentation Format _dil
 Dataset Creation Wed Jun 16 01:04:27 2021
 Charted by Depth in Feet scaled 1:240





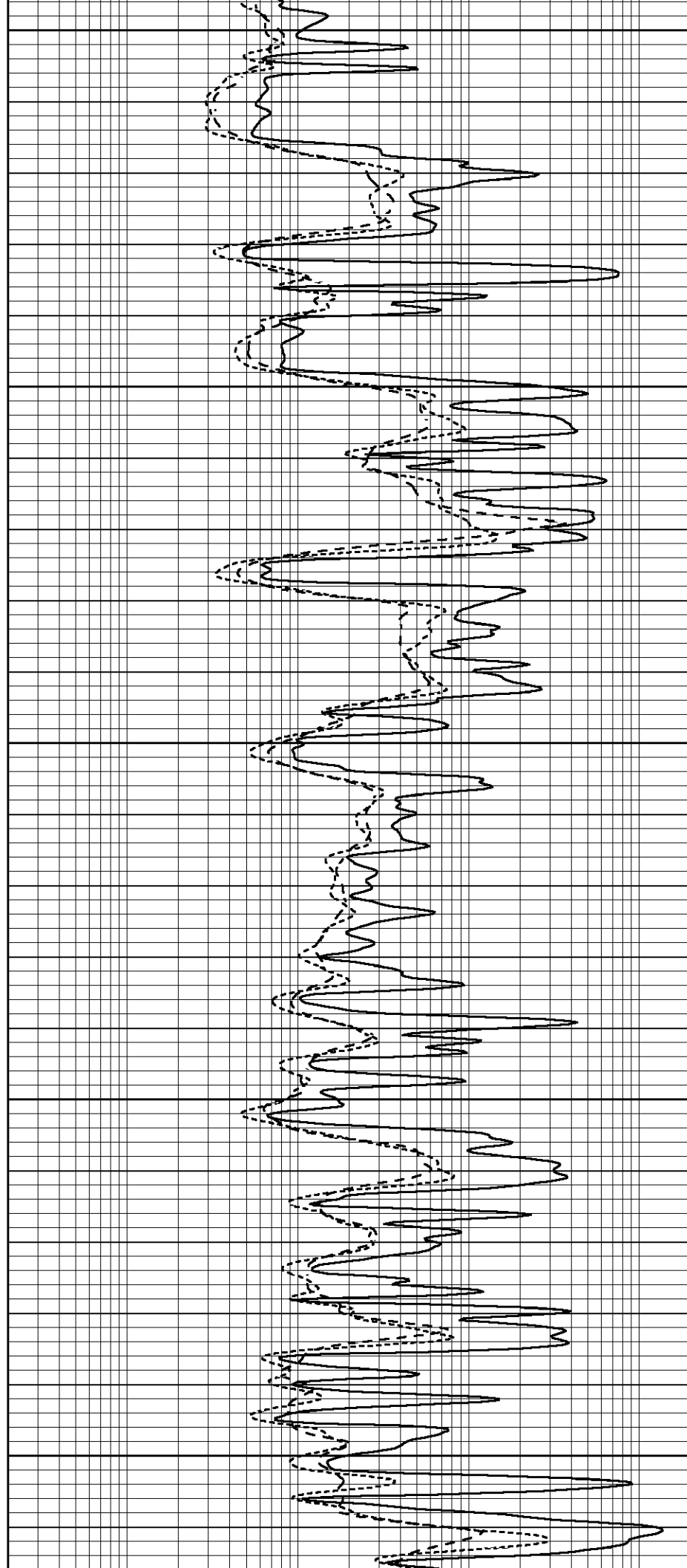
4500

4550

4600

4650

4700





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

Database File	5224pe.db
Dataset Pathname	pass2.1
Dataset Creation	Wed Jun 16 01:04:27 2021

Serial-Model:	FW1410-55-Probe
Surface Cal Performed:	Tue Feb 19 11:44:18 2019
Downhole Cal Performed:	Tue Feb 19 11:44:24 2019
After Survey Verification Performed:	Tue Feb 19 11:44:27 2019

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

Deep	0.007	0.010	V	0.000	100.000	mmho/m	620.181	1.000
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: Mon Dec 07 12:12:14 2020					
	Background	Aluminum	Magnesium					
Window 1	557.73	5525.14	24361.20	cps				
Window 2	47.08	1245.09	5901.17	cps				
Window 4	239.06	1250.70	5456.76	cps				
Window 5	564.08	8300.56	16134.07	cps				
Window 6	44.21	1356.78	2705.40	cps				
Window 8	267.87	2686.97	5150.30	cps				
Bulk Density	-	2.6020	1.6830	g/cc				
Pe	-	3.0000	2.5070	b/e				
LS Alpha:	: -1.8719	SS Alpha:	: -0.8000	LS CPE:	: 1.1424			
LS Beta:	: 135562.6841	SS Beta:	: 20128.7209	SS CPE:	: 1.5489			
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: Mon Dec 07 12:12:14 2020	
Results	Readings		References (in)		
	Low	High	Low	High	
	664.3	1102.8	8.0	14.0	
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:	Tue Jan 19 17:50:08 2021			
	Calibrator Value:	1.0	GAPI		
	Background Reading:	0.0	cps		
	Calibrator Reading:	1.0	cps		
	Sensitivity:	0.5300	GAPI/cps		