



DUAL INDUCTION LOG

Company	MTM PETROLEUM, INC.	Company	MTM PETROLEUM, INC.
Well	J. ALBERS#1 OWWO	Well	J. ALBERS#1 OWWO
Field	KOMAREK	Field	KOMAREK
County	KINGMAN	County	KINGMAN
State	KANSAS	State	KANSAS
Location:	API # : 15-095-21375-0001 710' FSL & 1940' FWL	Other Services CNL/CDL/MEL SON	
Permanent Datum	SEC 10 TWP 29S RGE 10W	Elevation	
Log Measured From	GROUND LEVEL Elevation 1725 KELLY BUSHING 7' A.G.L	K.B. 1732 D.F. 1730 G.L. 1725	
Drilling Measured From	KELLY BUSHING		
Date	11/02/21		
Run Number	ONE		
Depth Driller	4665		
Depth Logger	4663		
Bottom Logged Interval	4661		
Top Log Interval	00		
Casing Driller	8 5/8" @ 292		
Casing Logger	292		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 5300 PPM	
Density / Viscosity	9.2/47		
pH / Fluid Loss	10.5/9.2		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.75 @ 62F		
Rmf @ Meas. Temp	0.56 @ 62F		
Rmc @ Meas. Temp	.90 @ 62F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	0.25 @ 122F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	////		
Maximum Recorded Temperature	122F		
Equipment Number	3802		
Location	HAYS, KANSAS		
Recorded By	GUS PFANENSTIEL		
Witnessed By	T. WILLIAMS		

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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.

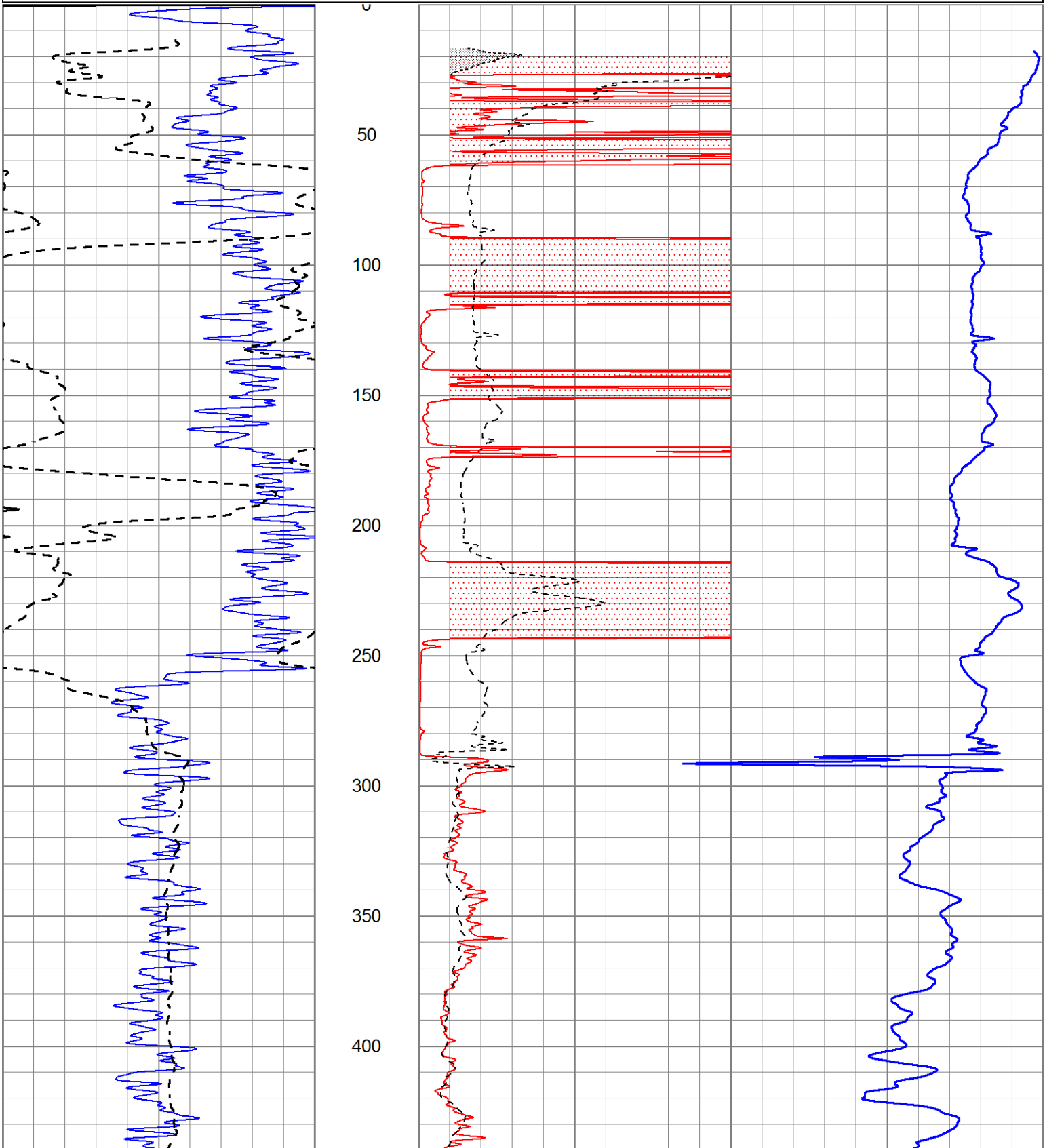
Comments

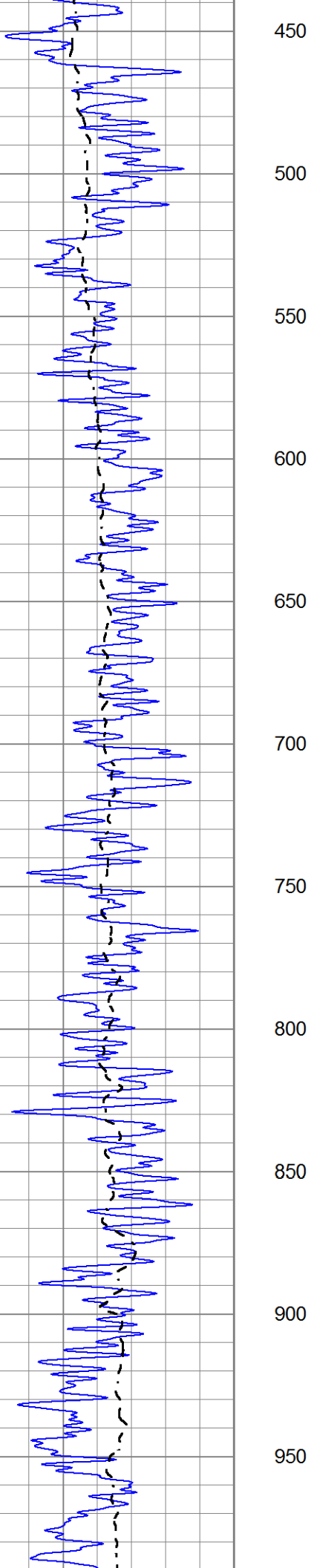
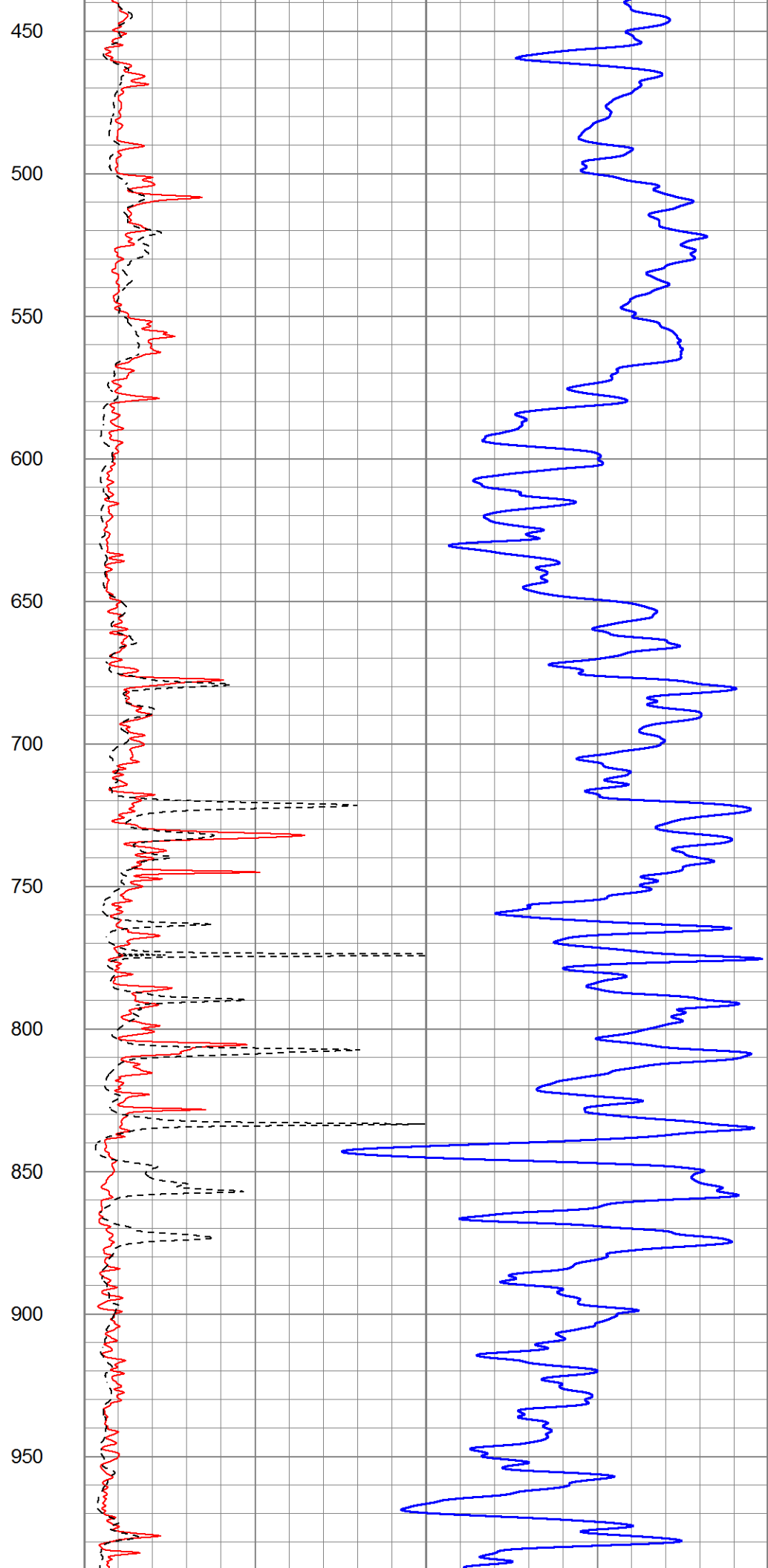
THANK YOU FOR USING ELI WIRELINE SERVICES, HAYS, KS. (785) 628-6395
DIRECTIONS
ST. LEO 1/2 EAST, NORTH INTO.

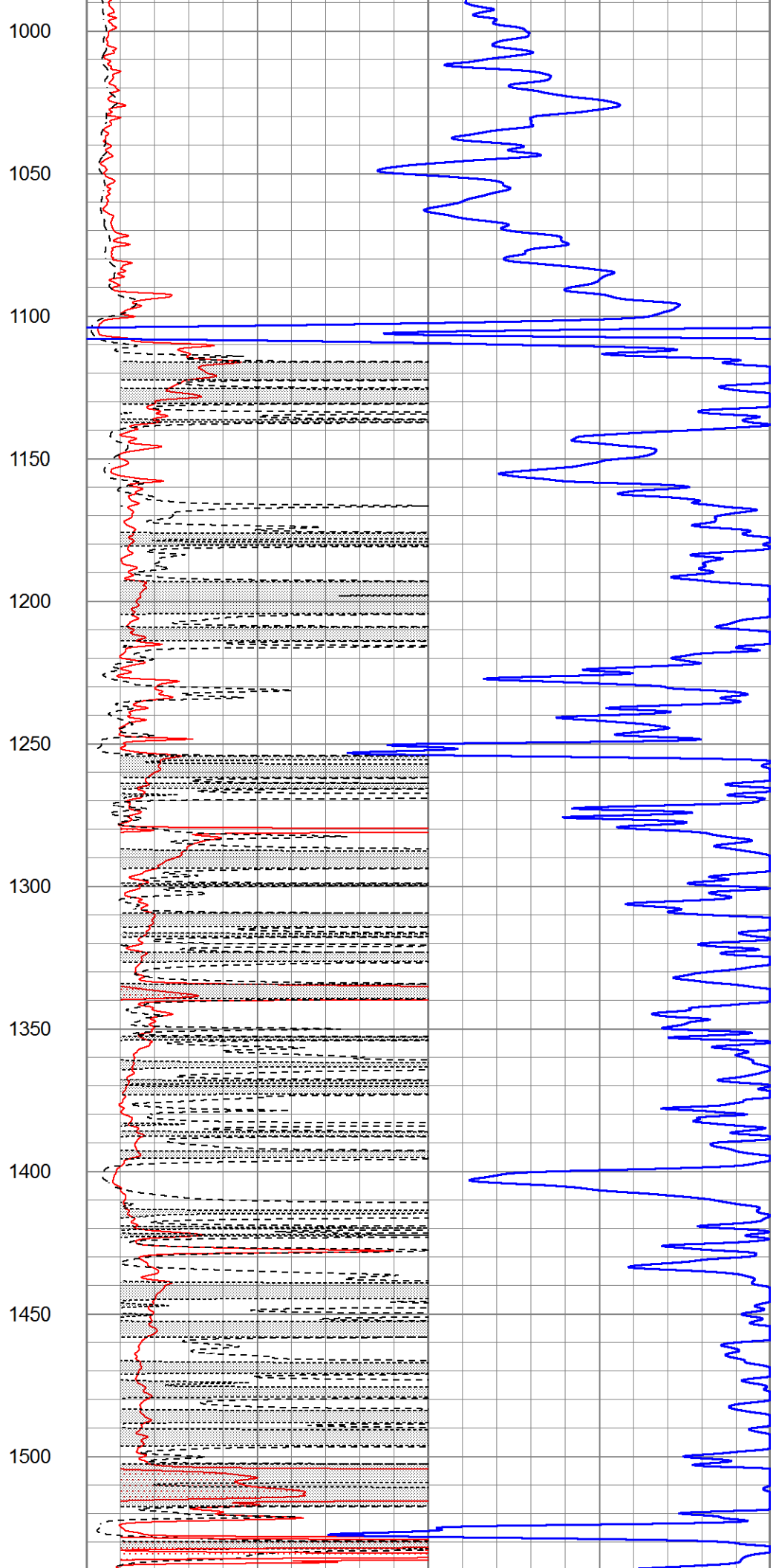
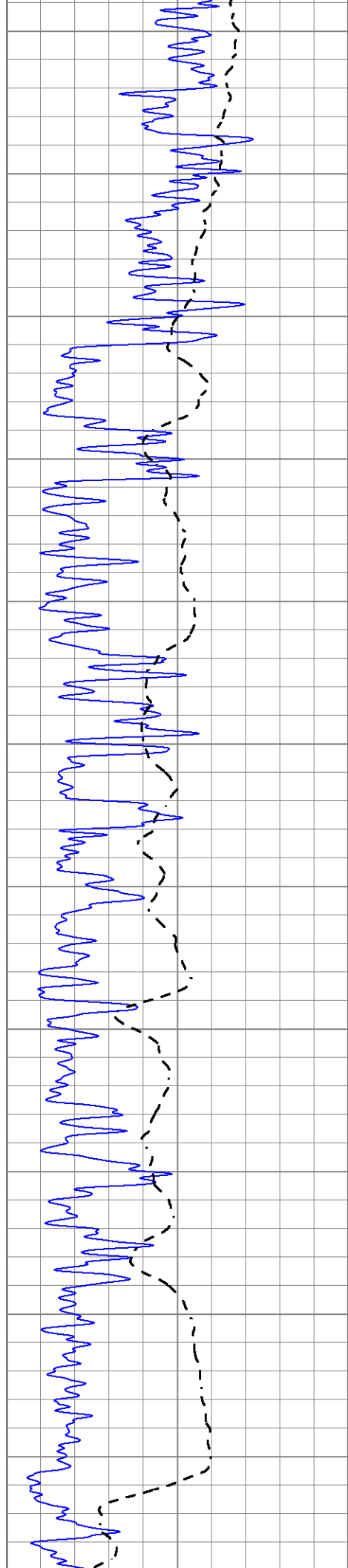


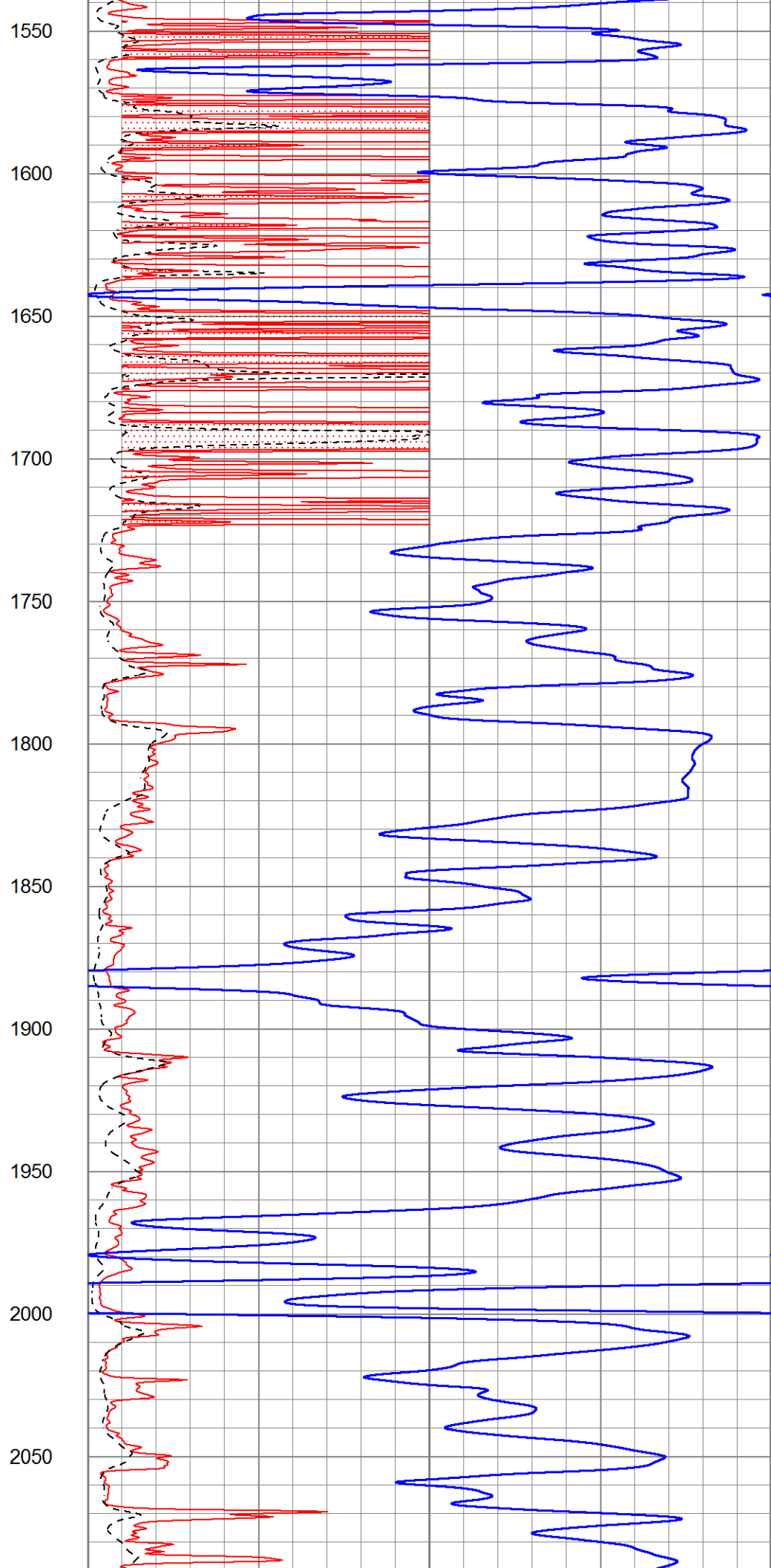
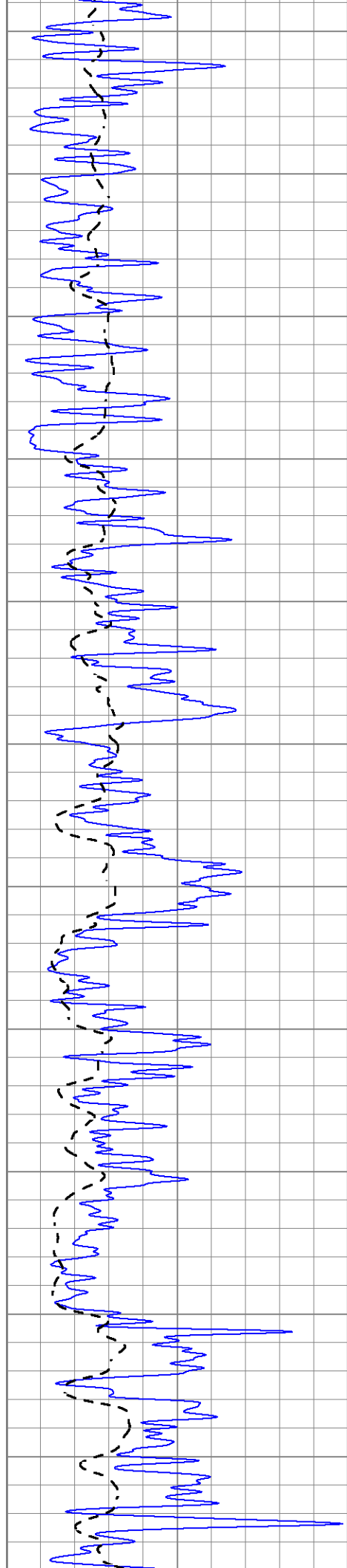
MAIN PASS

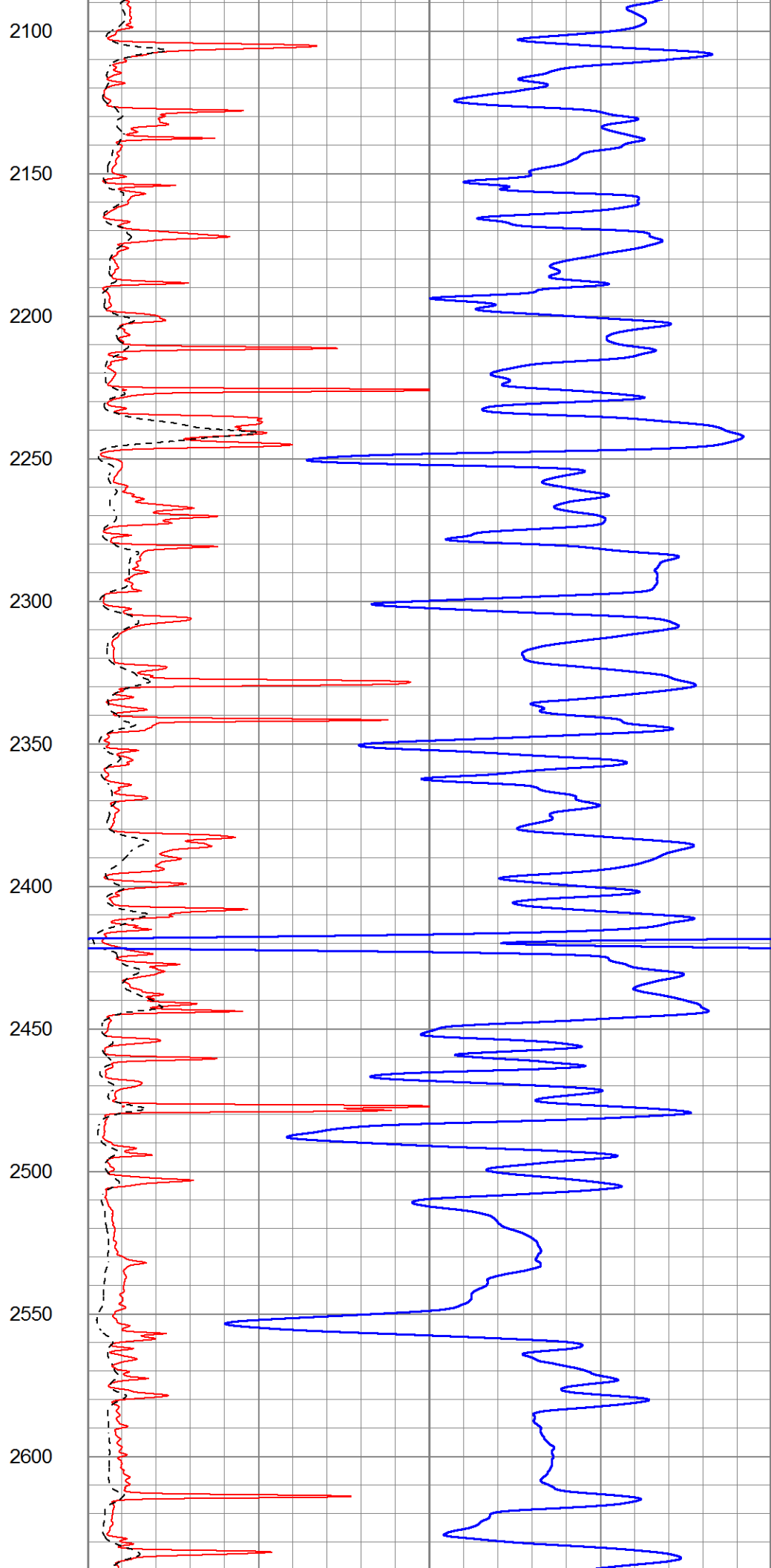
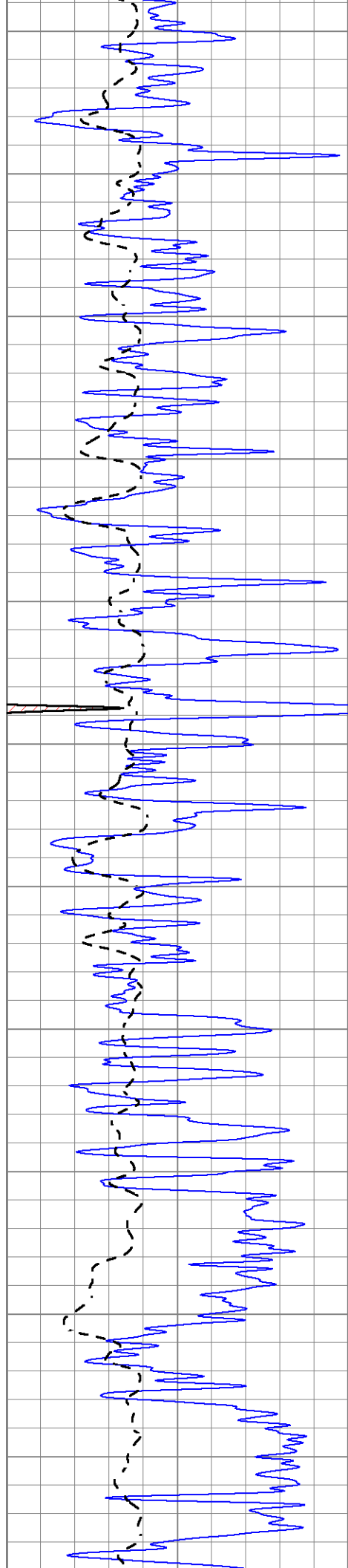
0	Gamma Ray (GAPI)	150	1000	CILD (mmho/m)	0
-100	SP (mV)	100	0	RLL3 (Ohm-m)	50
-----			0	Deep Induction (Ohm-m)	50
			50	RILD X10 (Ohm-m)	500
			50	RLL3 X10 (Ohm-m)	500

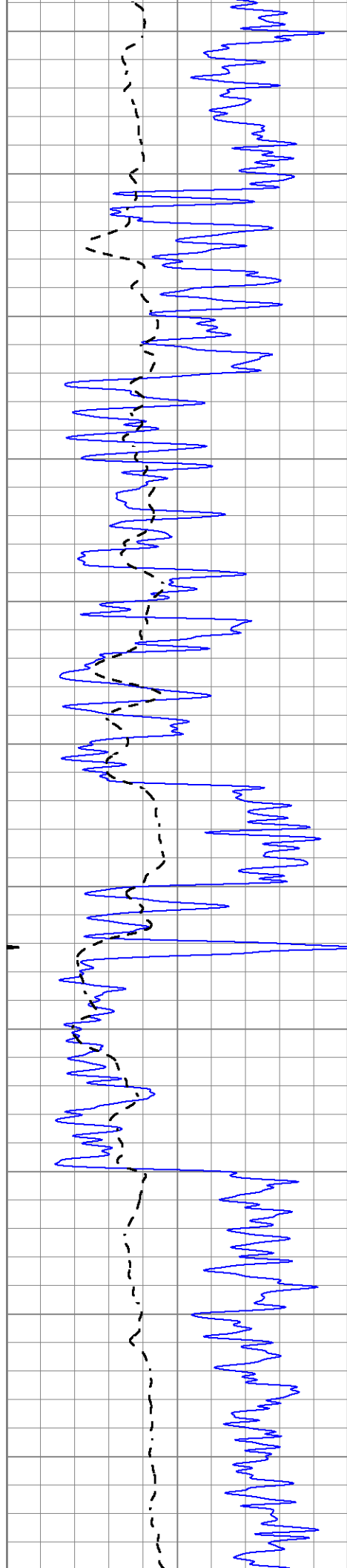












2650

2700

2750

2800

2850

2900

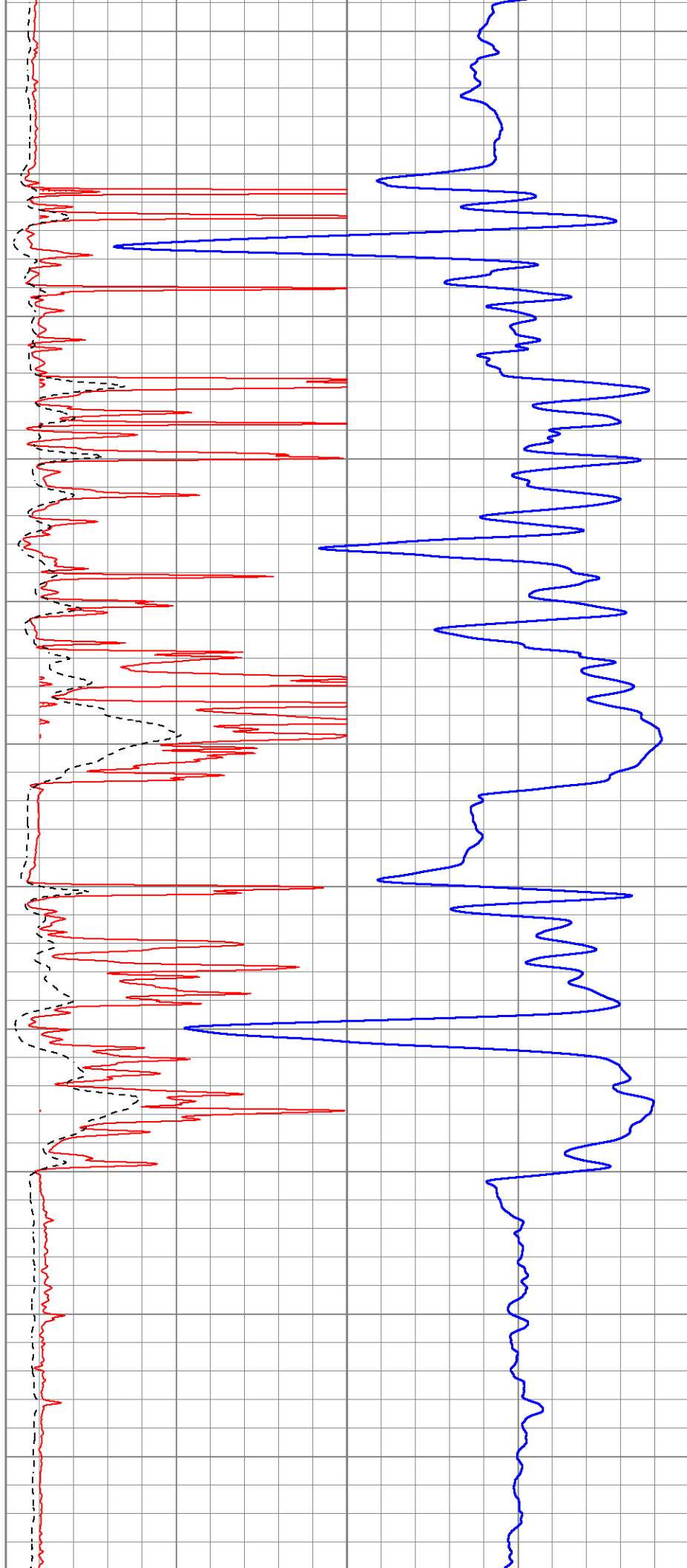
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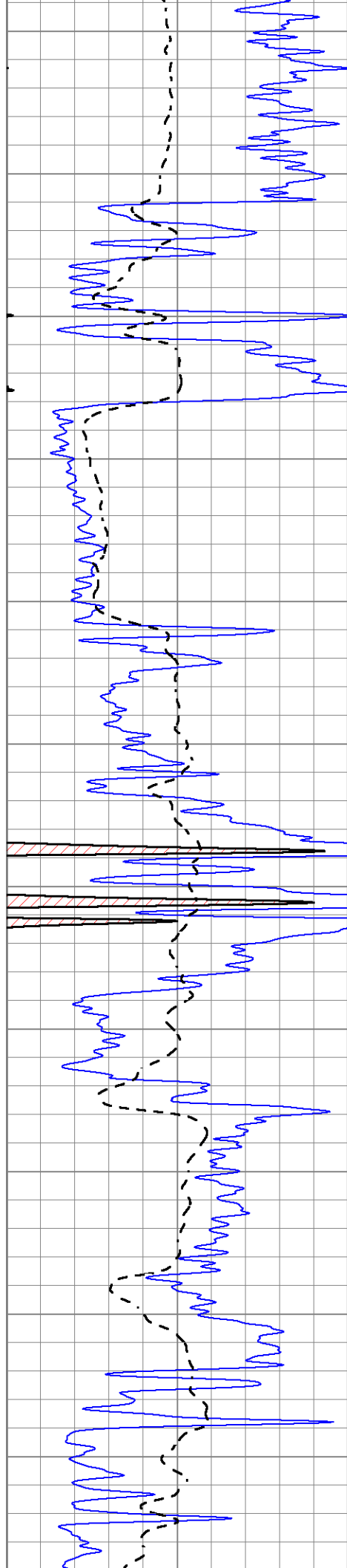
3000

3050

3100

3150





3200

3250

3300

3350

3400

3450

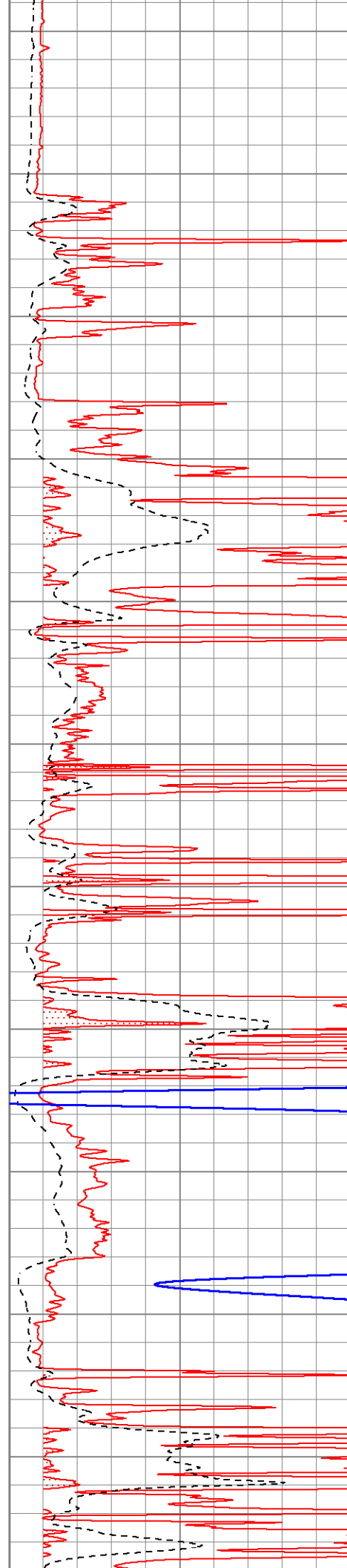
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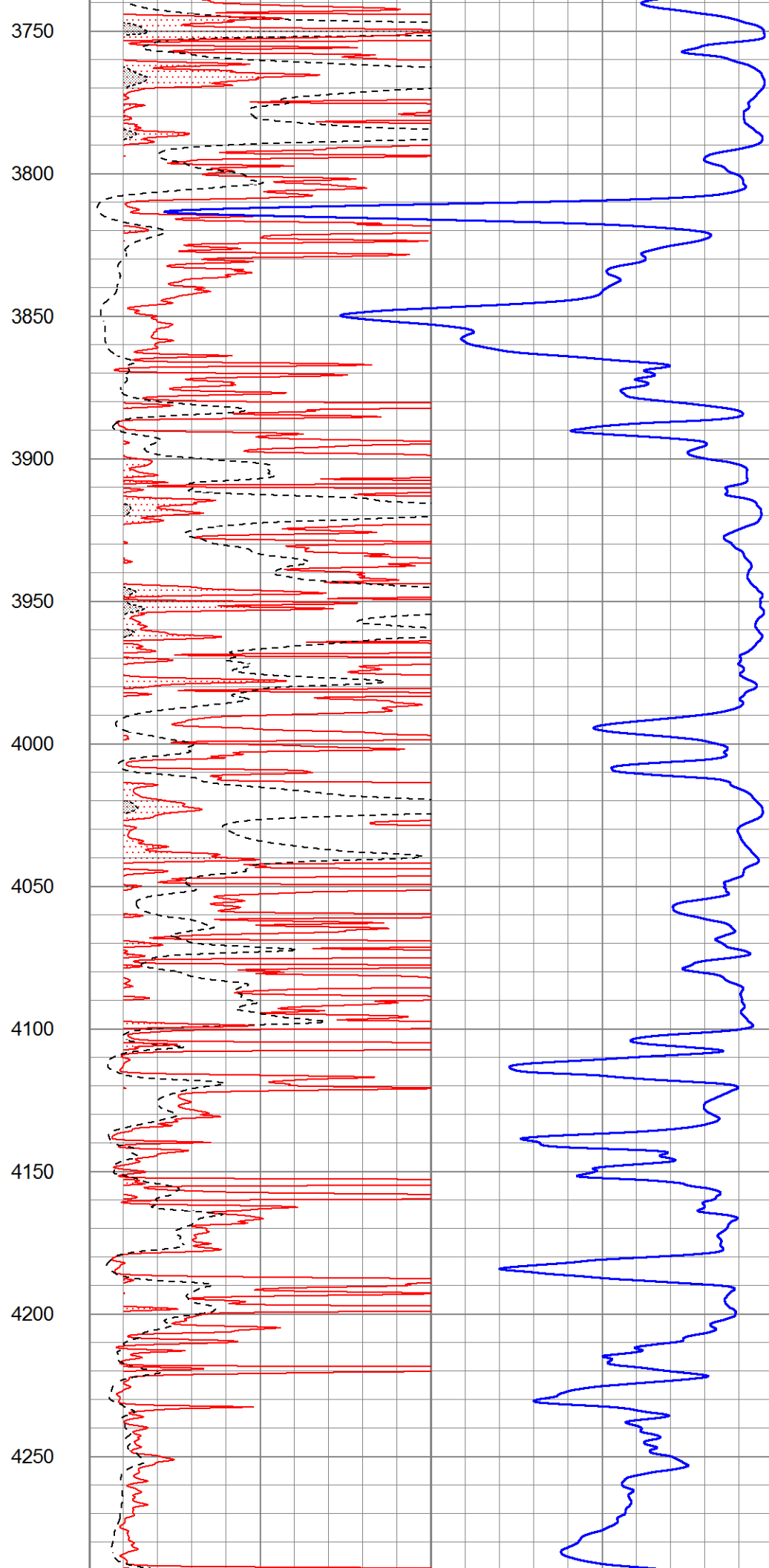
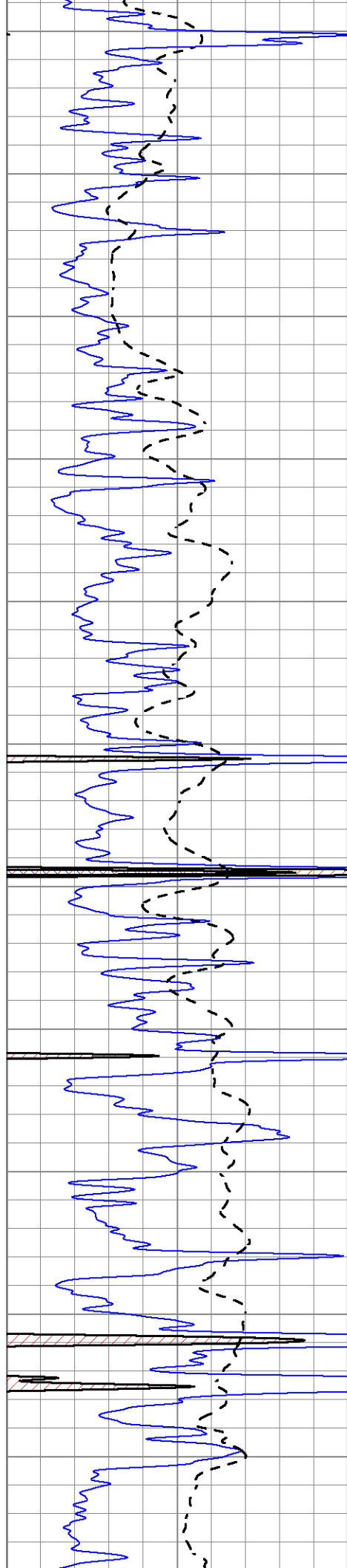
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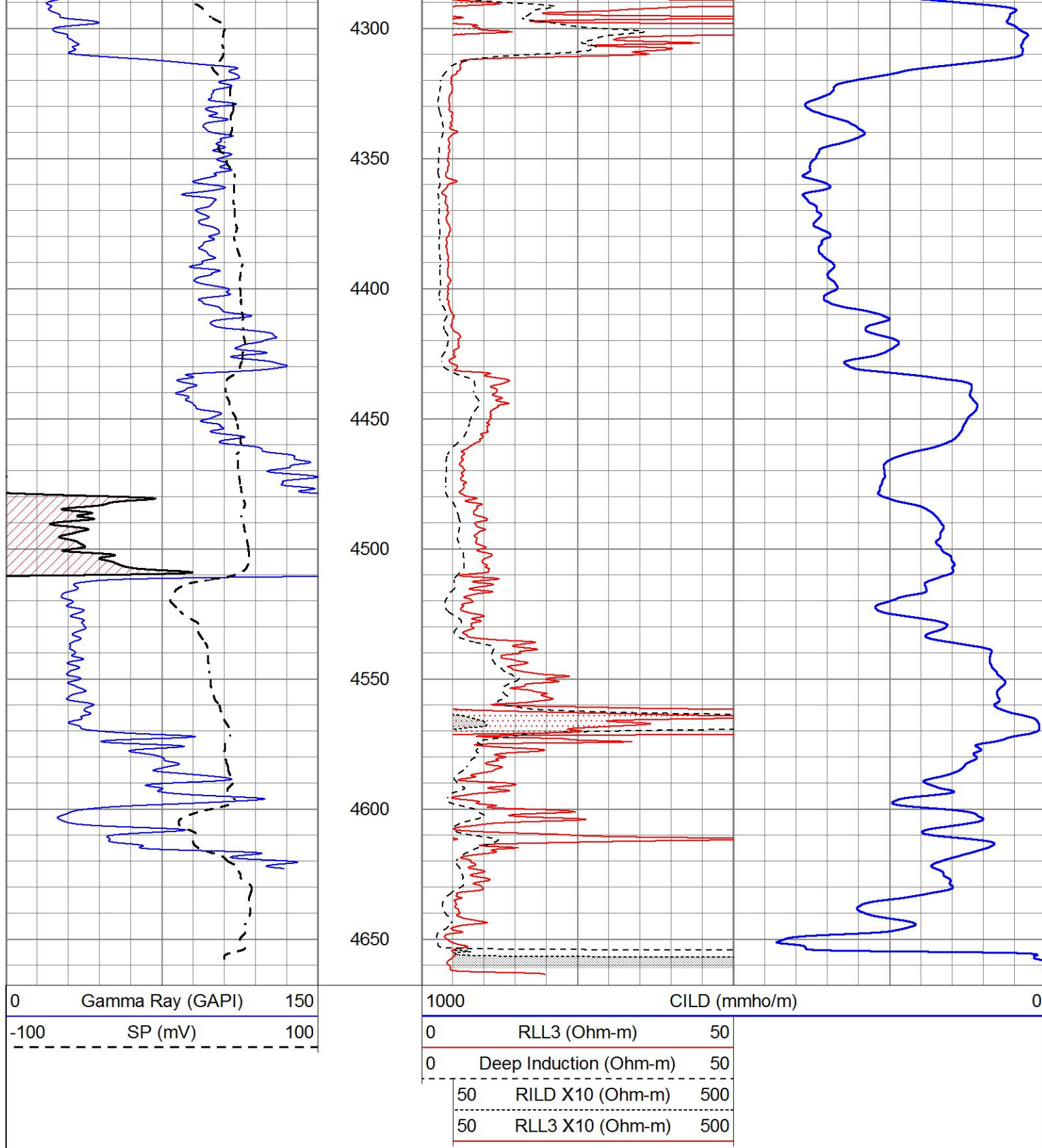
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3650

3700



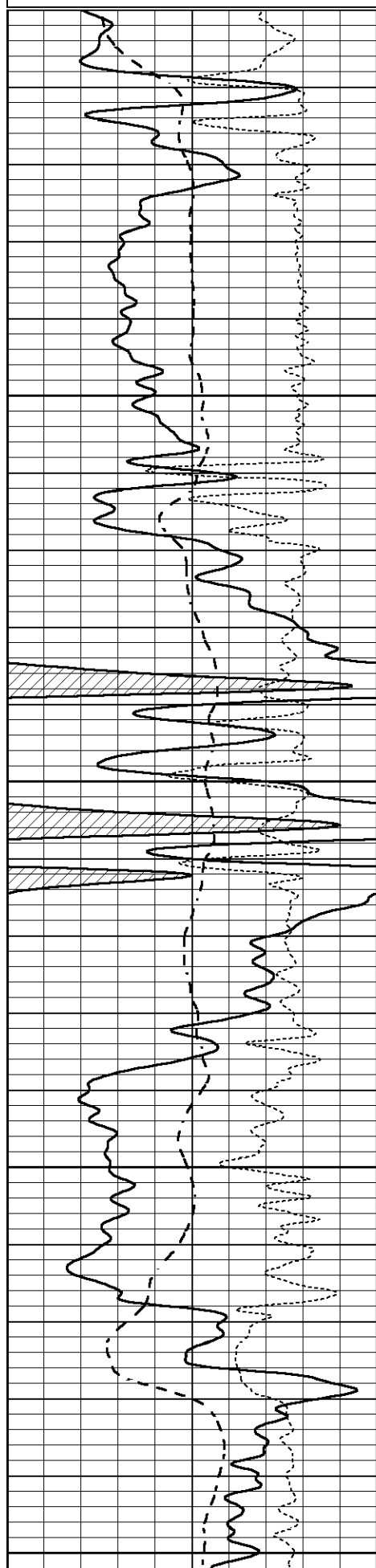




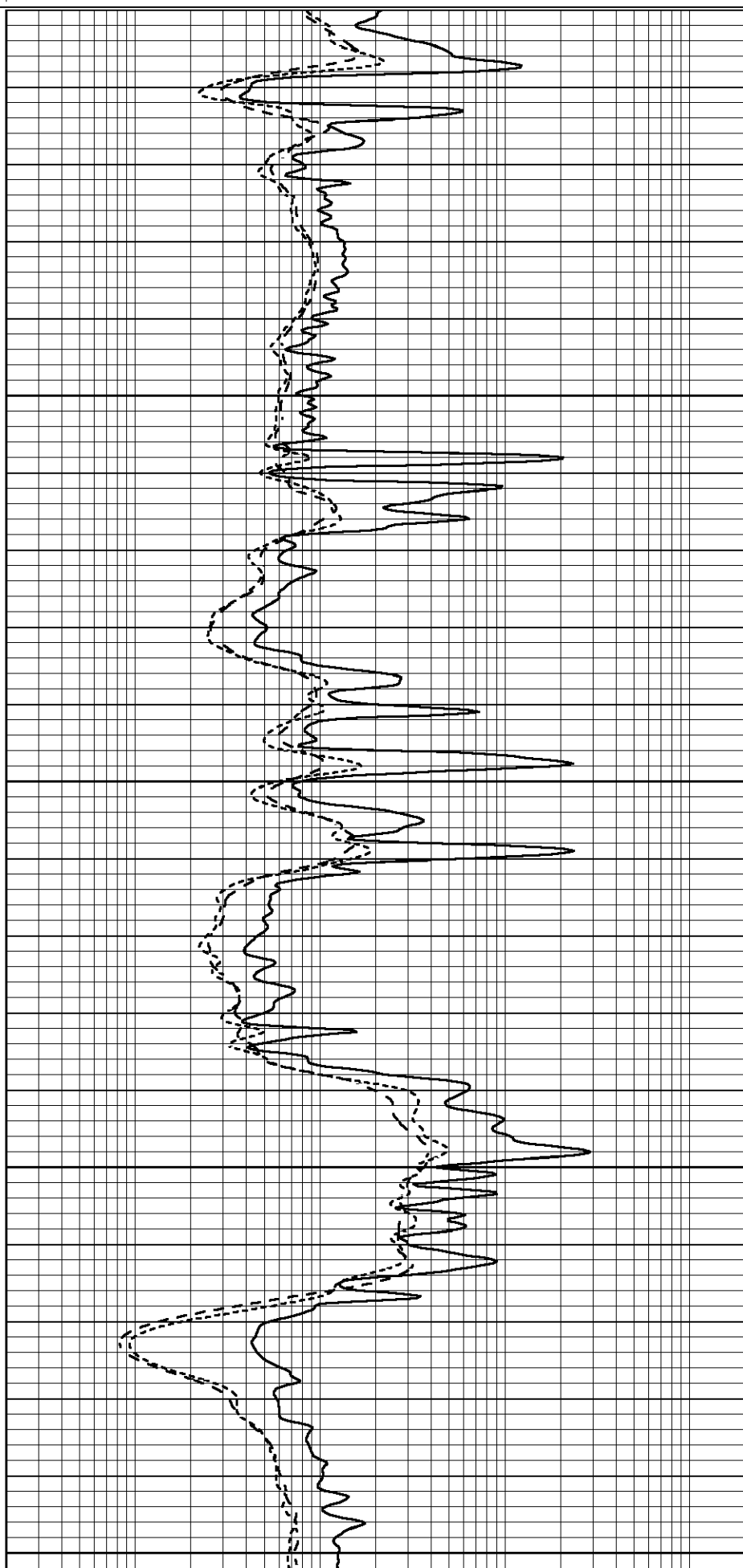
MAIN PASS

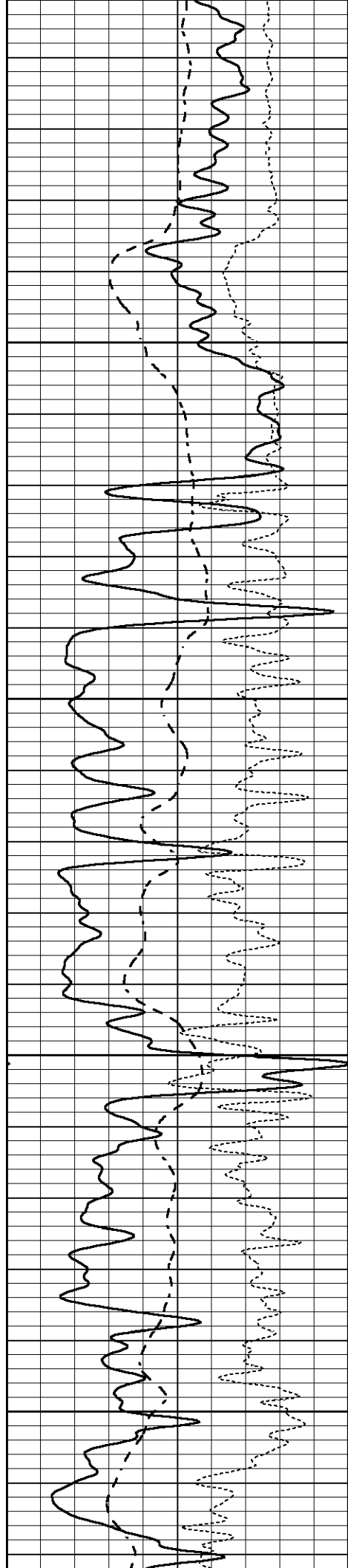
Database File 5870ddn.db
 Dataset Pathname pass4.1
 Presentation Format _dil
 Dataset Creation Tue Nov 02 08:57:08 2021
 Charted by Depth in Feet scaled 1:240

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



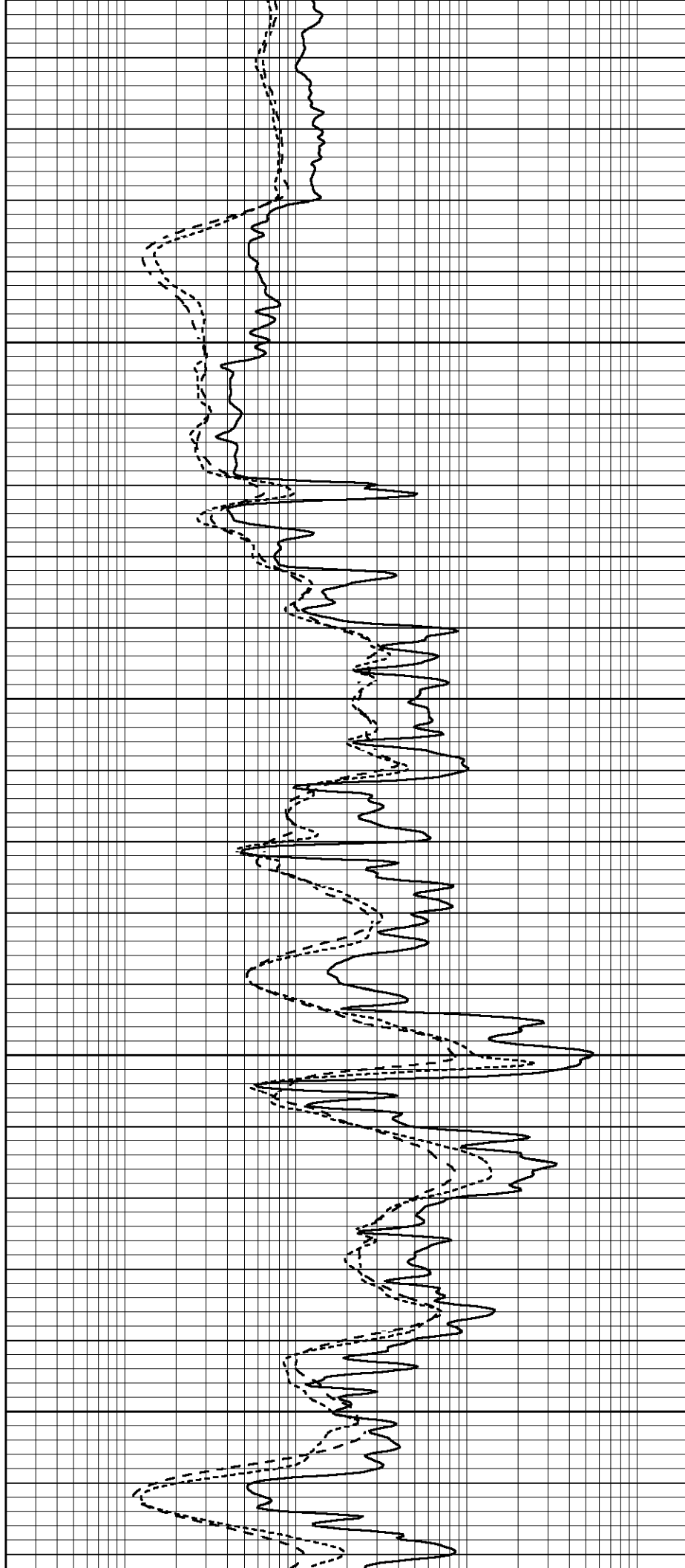


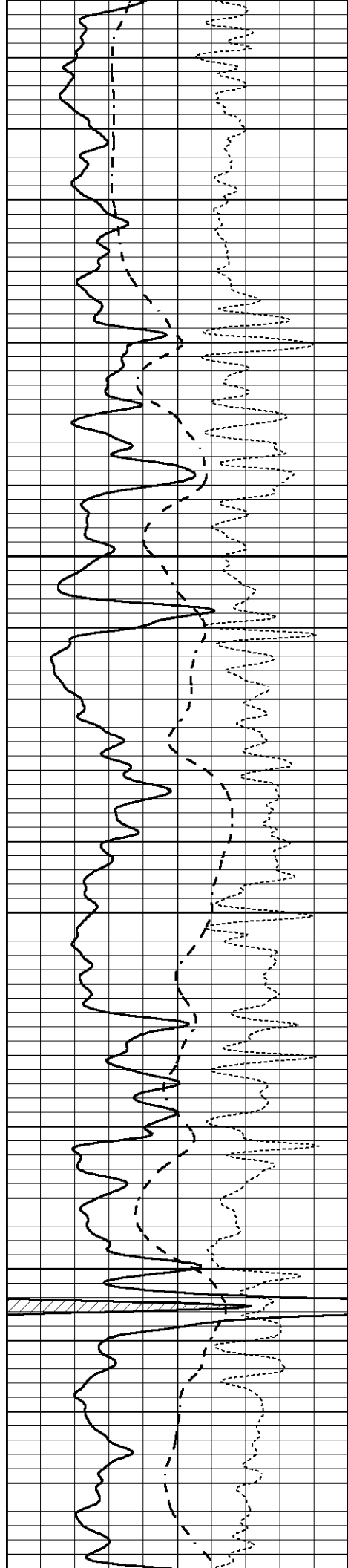
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3700

3750

3800



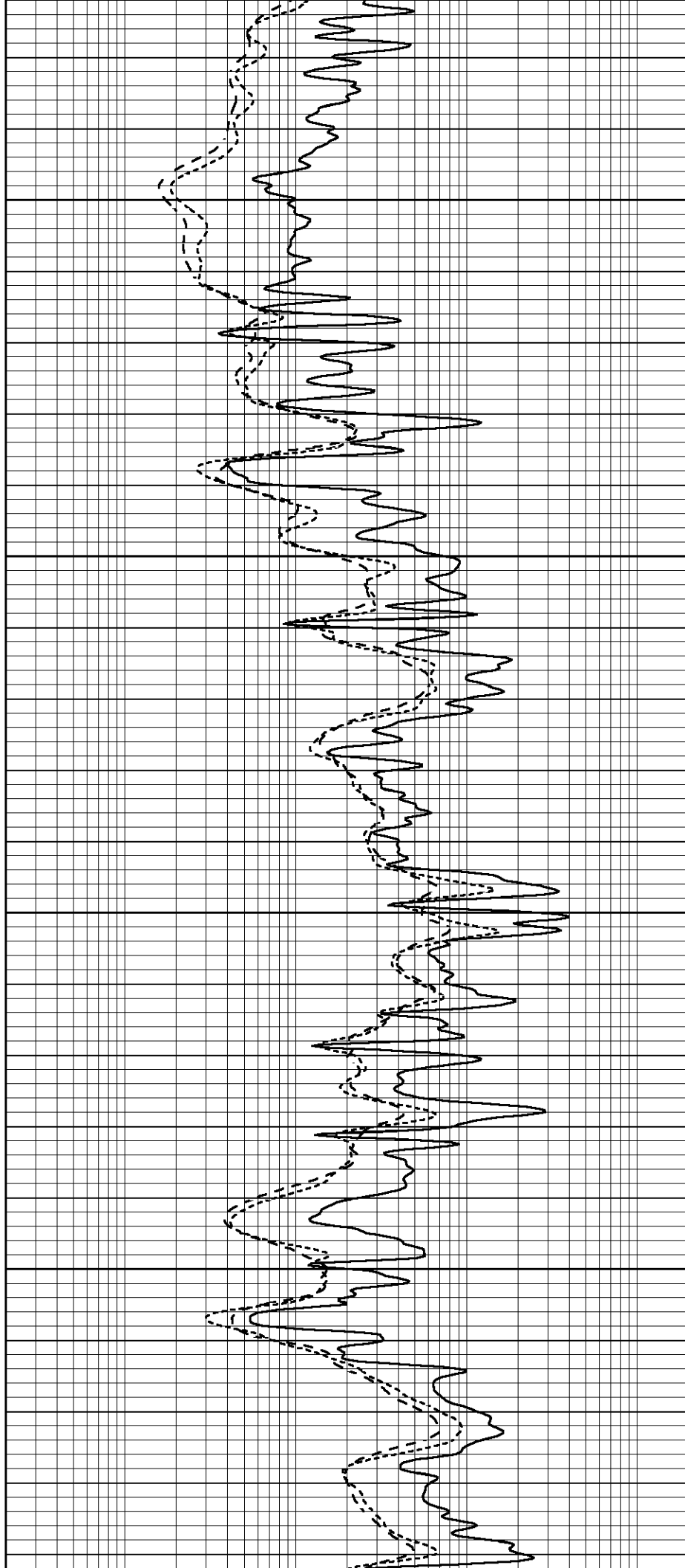


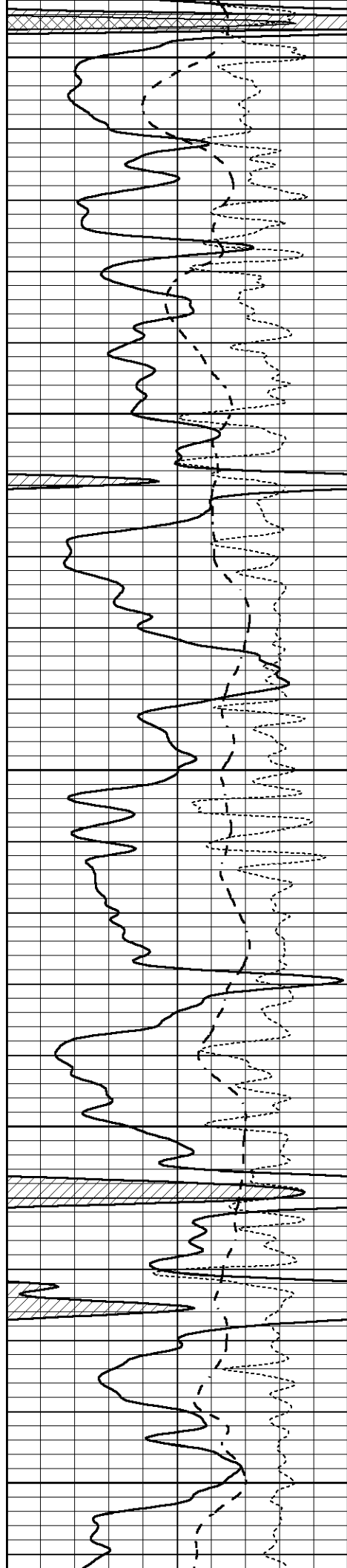
3850

3900

3950

4000





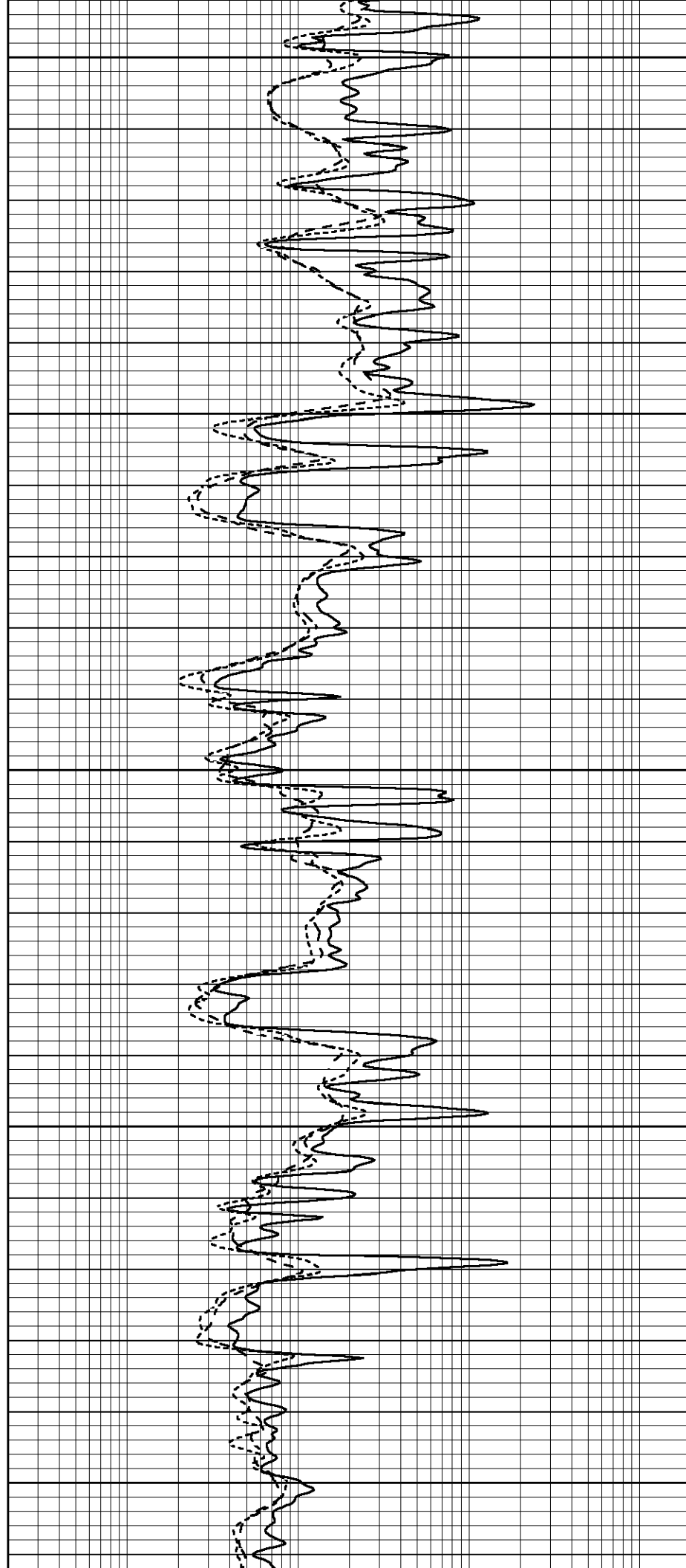
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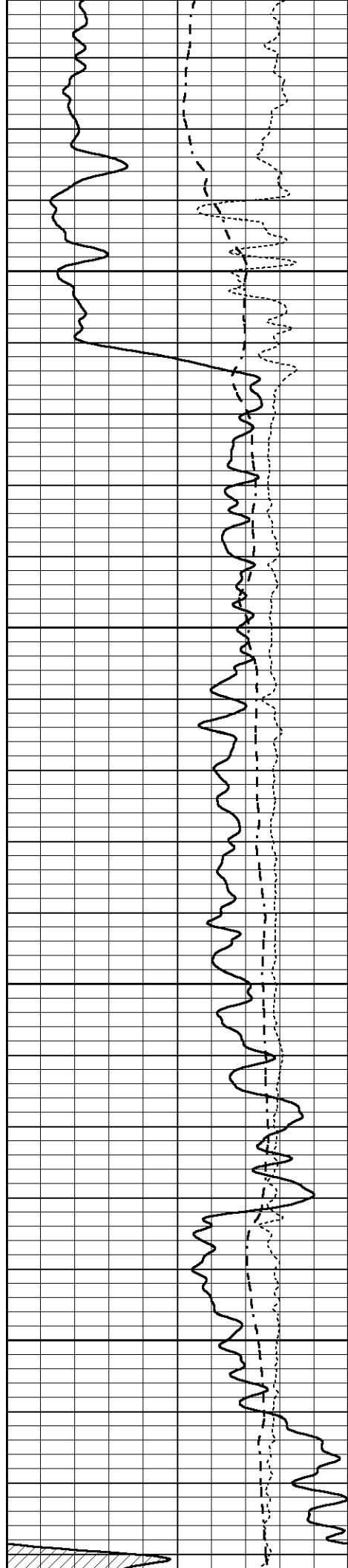
4100

4150

4200

4250



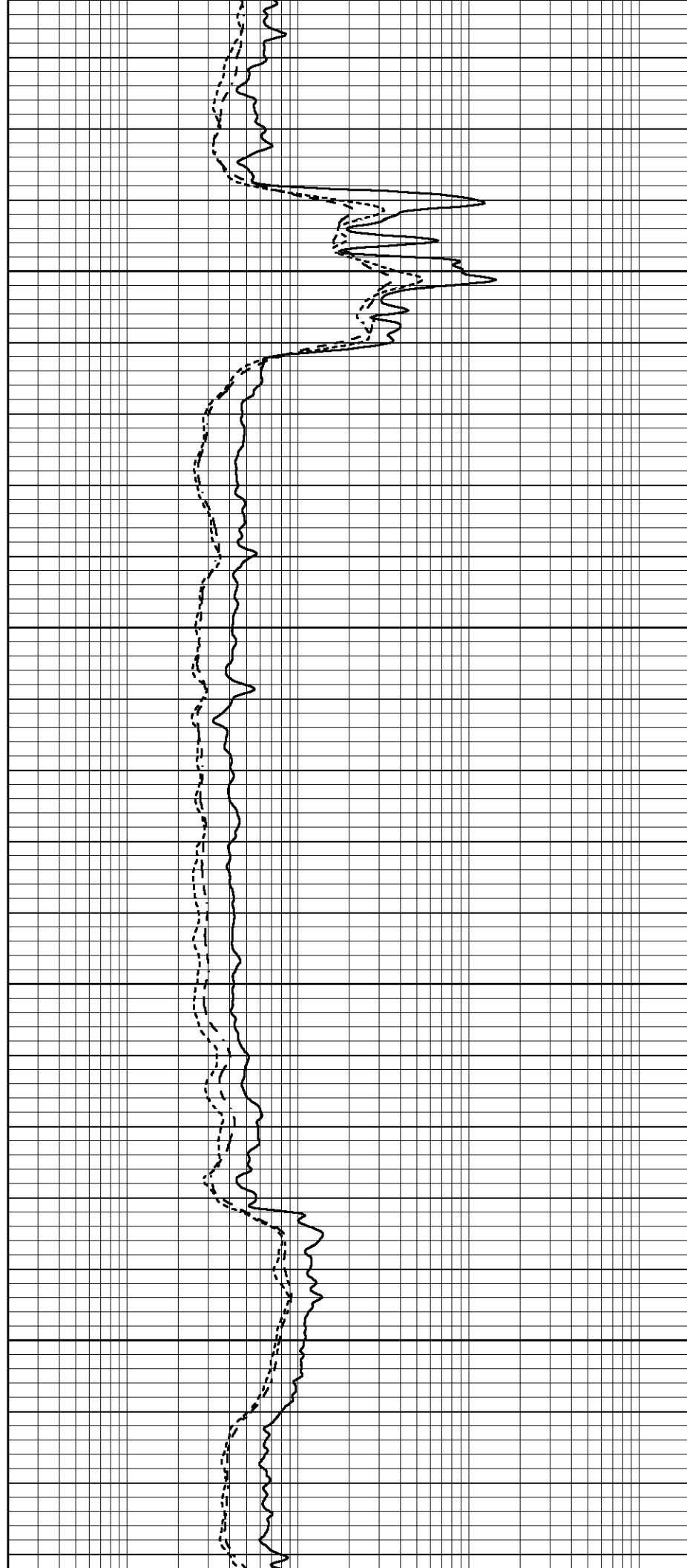


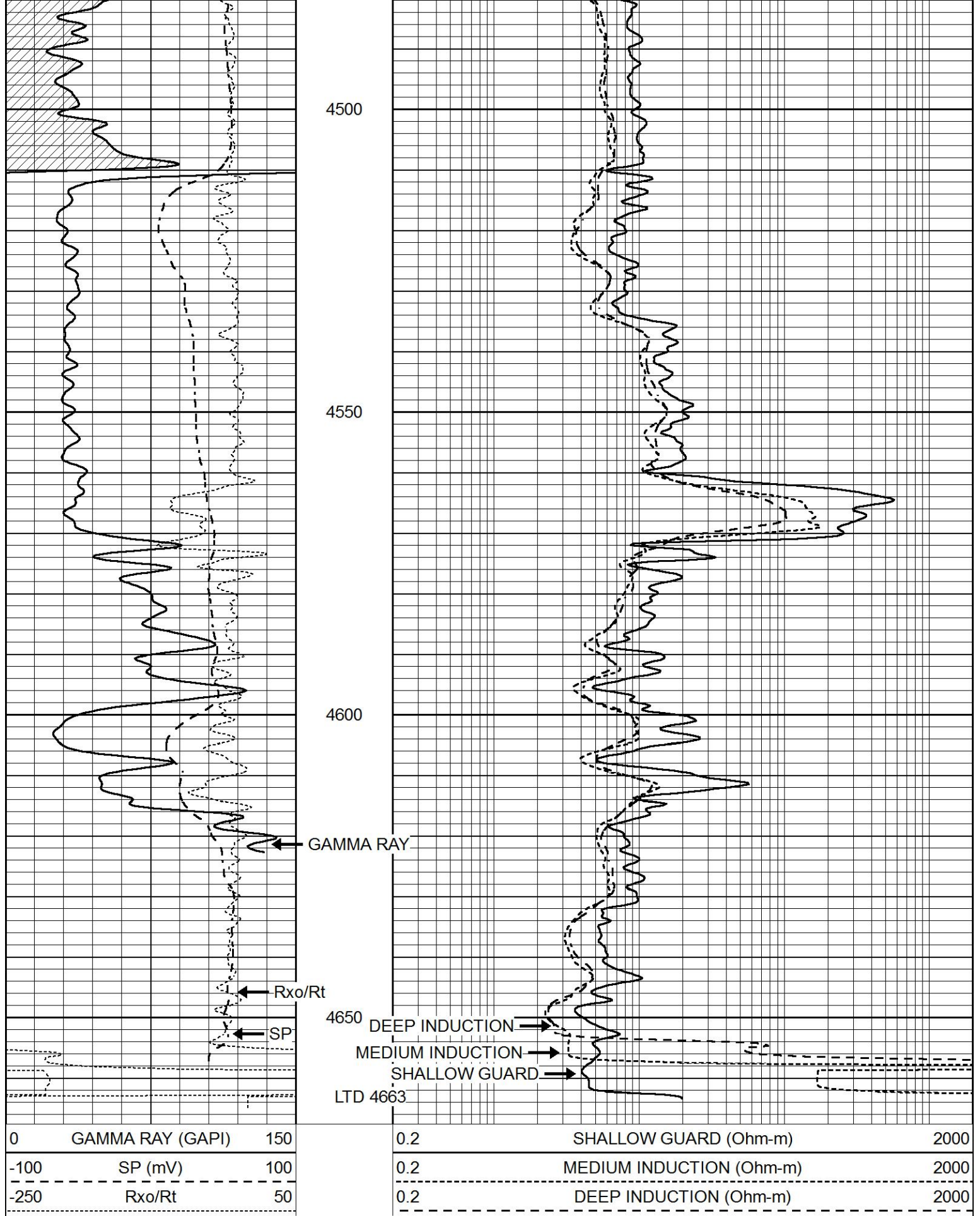
4300

4350

4400

4450





REPEAT PASS

Database File5870ddn.db

Dataset Pathnamepass2RP

Presentation Format_dil

Dataset CreationTue Nov 02 09:06:38 2021

Charted byDepth in Feet scaled 1:240

0GAMMA RAY (GAPI)150

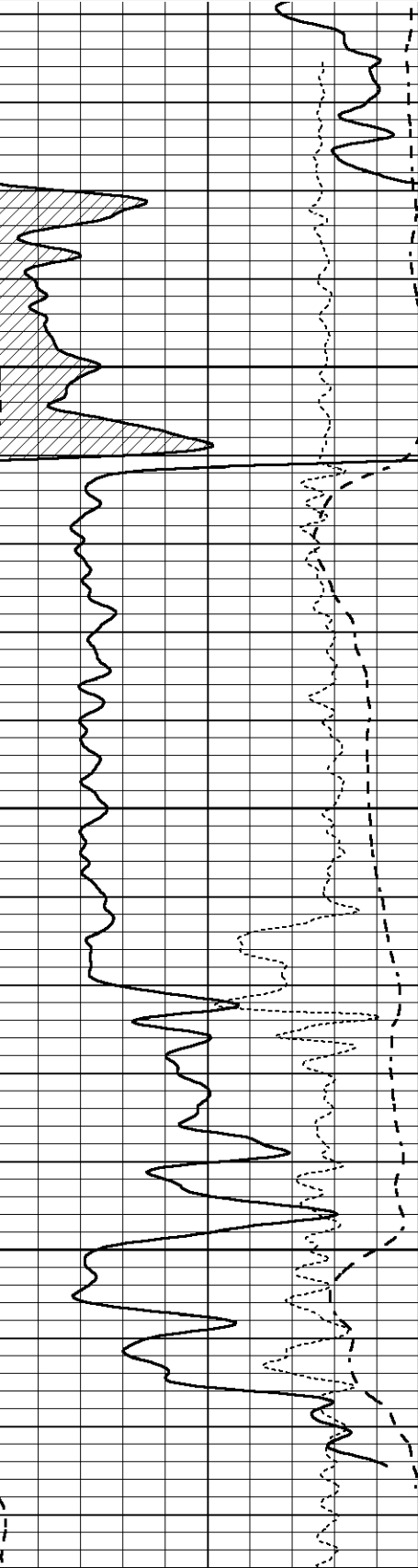
-100SP (mV)100

-250Rxo/Rt50

0.2SHALLOW GUARD (Ohm-m)2000

0.2MEDIUM INDUCTION (Ohm-m)2000

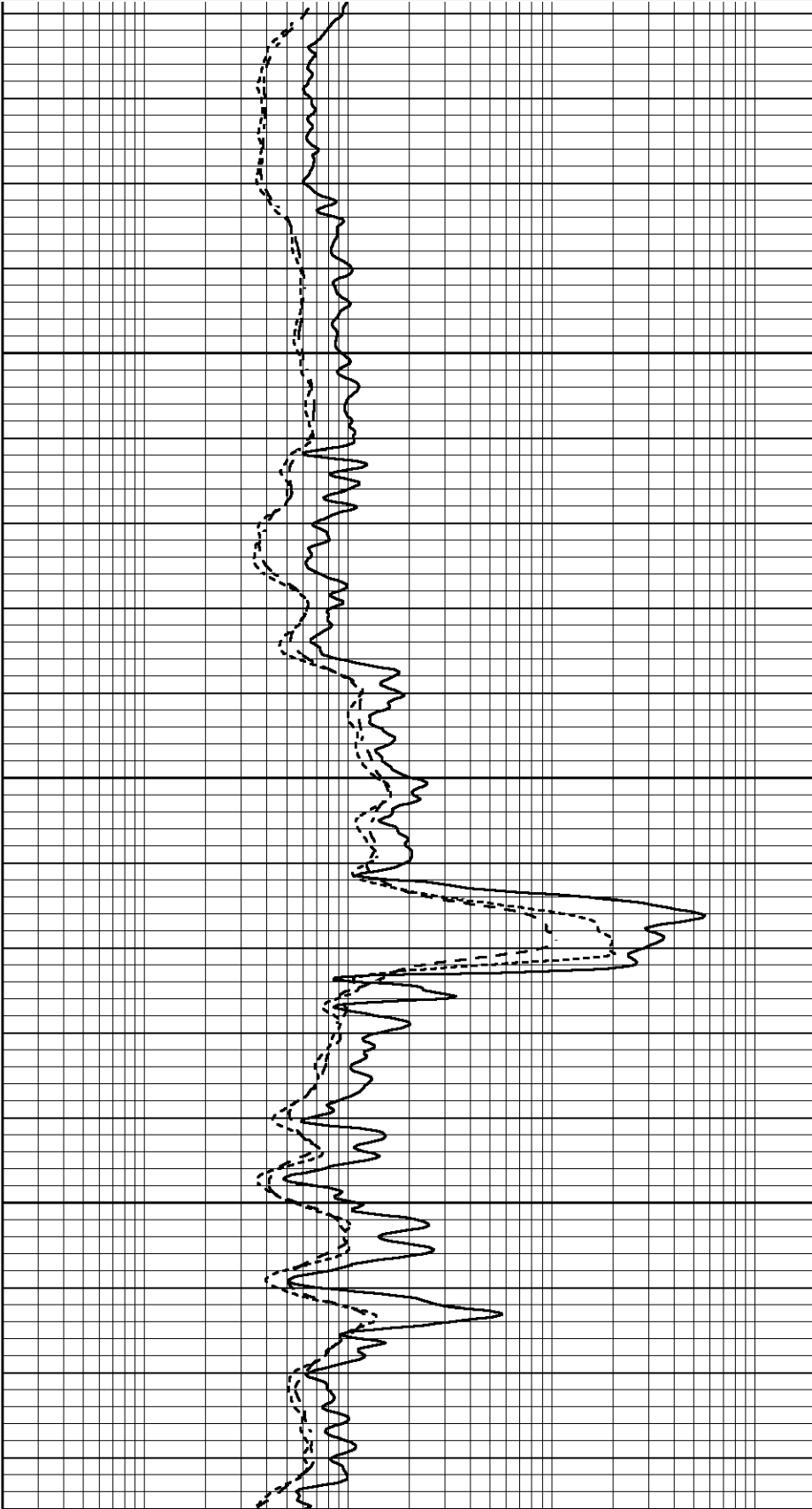
0.2DEEP INDUCTION (Ohm-m)2000

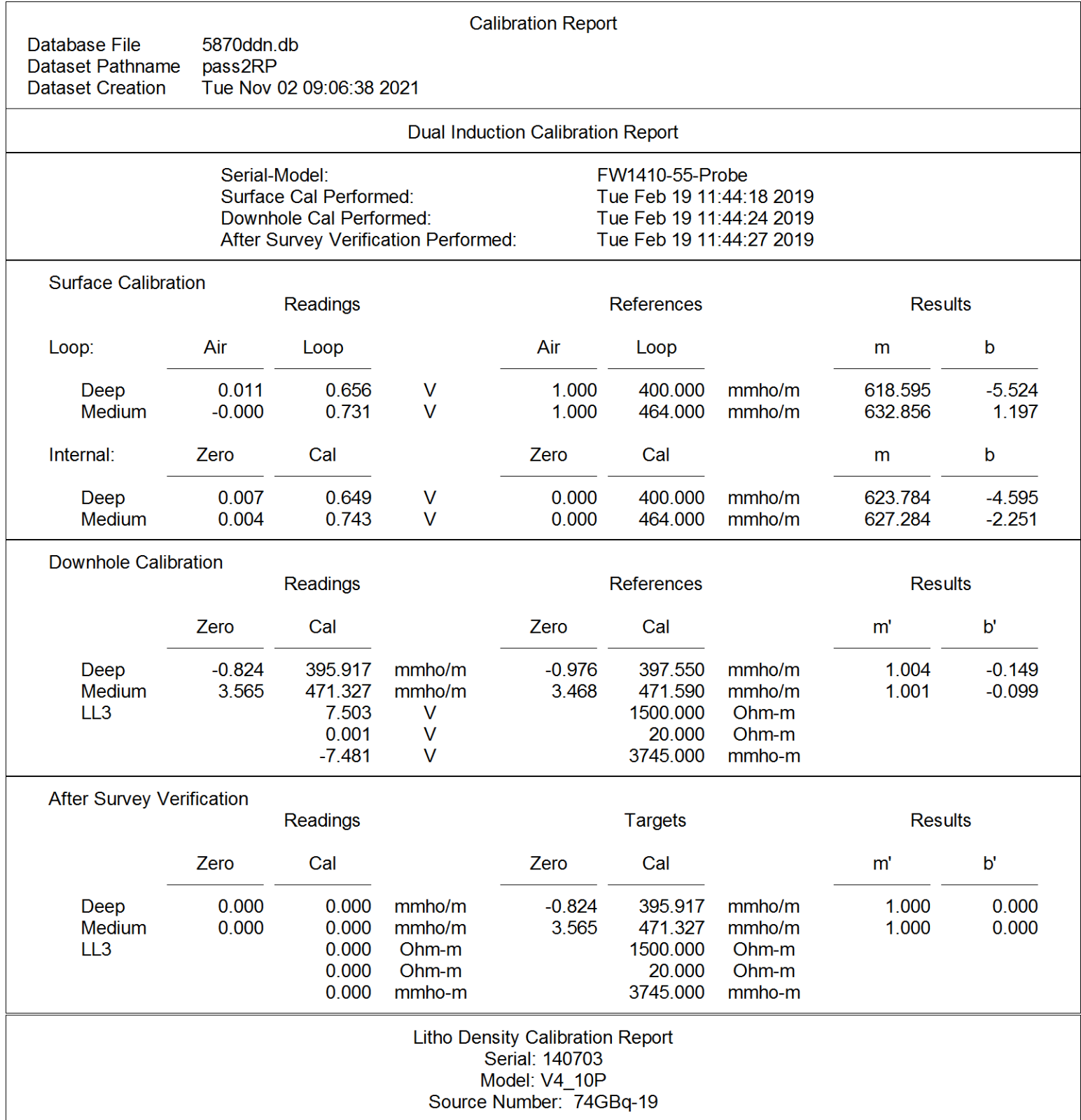


4500

4550

4600





Master Calibration

Performed: Wed Dec 02 12:04:44 2020

	Background	Aluminum	Magnesium		
Window 1	595.38	5386.50	23898.92	cps	
Window 2	52.78	1248.21	5993.75	cps	
Window 4	251.36	1200.30	5155.55	cps	
Window 5	545.15	9066.30	17240.12	cps	
Window 6	43.35	1491.73	2929.24	cps	
Window 8	258.76	2917.82	5450.26	cps	
Bulk Density	-	2.6020	1.6830	g/cc	
Pe	-	3.0000	2.5070	b/e	
LS Alpha:	: -1.8726	SS Alpha:	: -0.7656	LS CPE:	: 1.0742
LS Beta:	: 127345.0723	SS Beta:	: 20293.3834	SS CPE:	: 1.5427

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 Dec 02 12:04:44 2020

Results		References (in)		Gain	Offset
Low	High	Low	High		
10178.8	13388.4	8.0	14.0	0.0	-10.4

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:	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	