



**COMPLETION
& PRODUCTION
SERVICES CO.**

**DUAL
INDUCTION
LOG**

Company	VINCENT OIL CORPORATION	Company	VINCENT OIL CORPORATION
Well	FRINK-BROWN #1-28	Well	FRINK-BROWN #1-28
Field	MULBERRY CREEK	Field	MULBERRY CREEK
County	FORD	County	FORD
State	KANSAS	State	KANSAS
Location:	API # : 15-057-20963-00-00 760' FSL & 2610' FWL SE - NE - SE - SW	Other Services CDL/CNL/PE MEL/SON	
Permanent Datum	SEC 28 TWP 28S RGE 23W	Elevation	
Log Measured From	GROUND LEVEL Elevation 2463 KELLY BUSHING 13' A.G.L.	K.B. 2476 D.F. 2475 G.L. 2463	
Drilling Measured From	KELLY BUSHING		
Date	6-29-15		
Run Number	ONE		
Depth Driller	5300		
Depth Logger	5298		
Bottom Logged Interval	5296		
Top Log Interval	0		
Casing Driller	8 5/8 @ 666'		
Casing Logger	666'		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 10,000 PPM	
Density / Viscosity	9.2/52		
pH / Fluid Loss	9.5/10.4		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	0.30 @ 91F		
Rmf @ Meas. Temp	0.23 @ 91F		
Rmc @ Meas. Temp	0.36 @ 91F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	0.21 @ 129F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	129F		
Equipment Number	3802		
Location	HAYS, KANSAS		
Recorded By	BLAKE WAGGONER		
Witnessed By	JIM HALL		

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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 NABORS, HAYS, KS. (785) 628-6395
DIRECTIONS :FORD, KS - SOUTH TO WILBURN RD - WEST 5 MILES TO RD 120 - NORTH TO
SECOND TANK BATTERY - EAST INTO

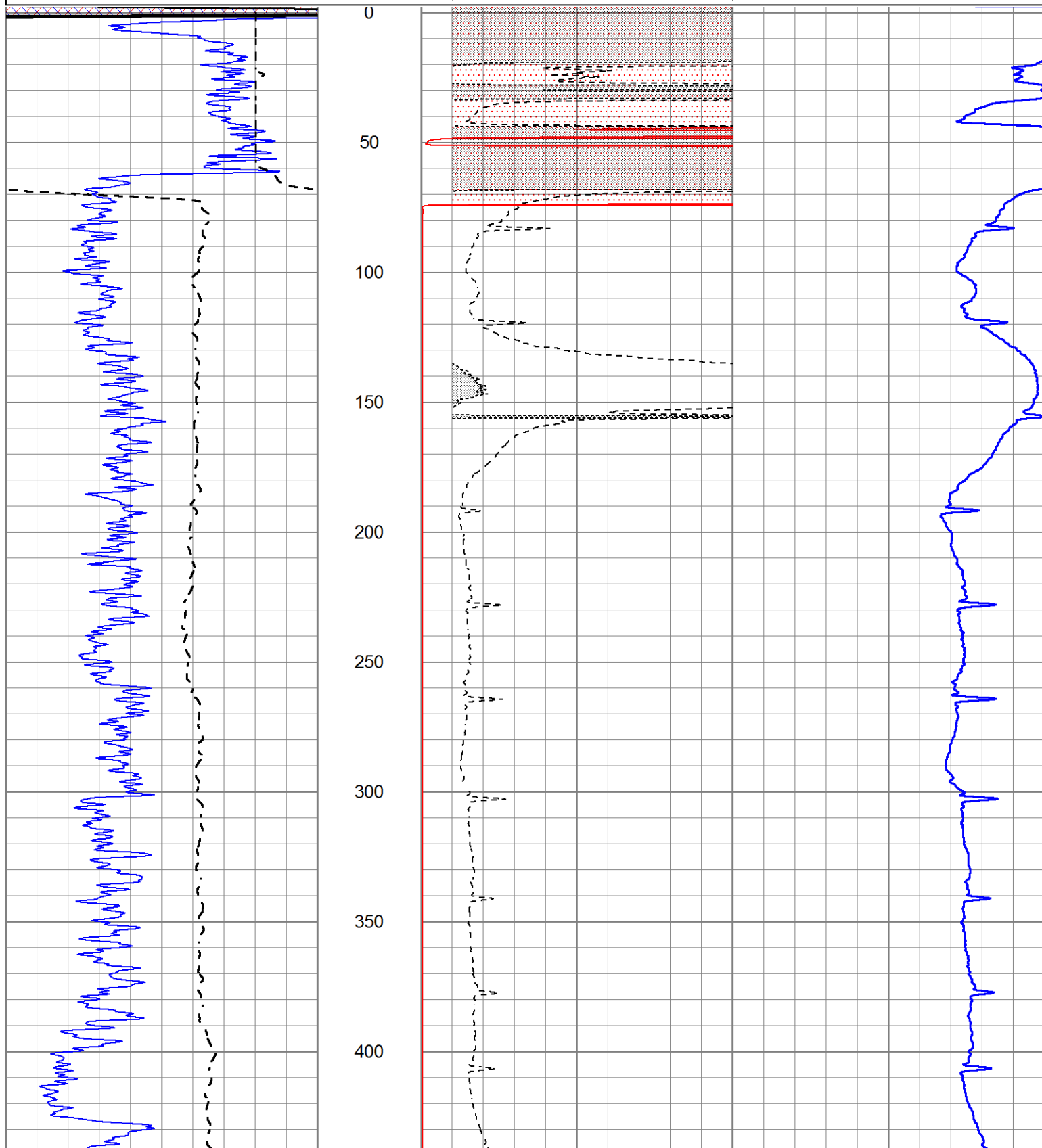


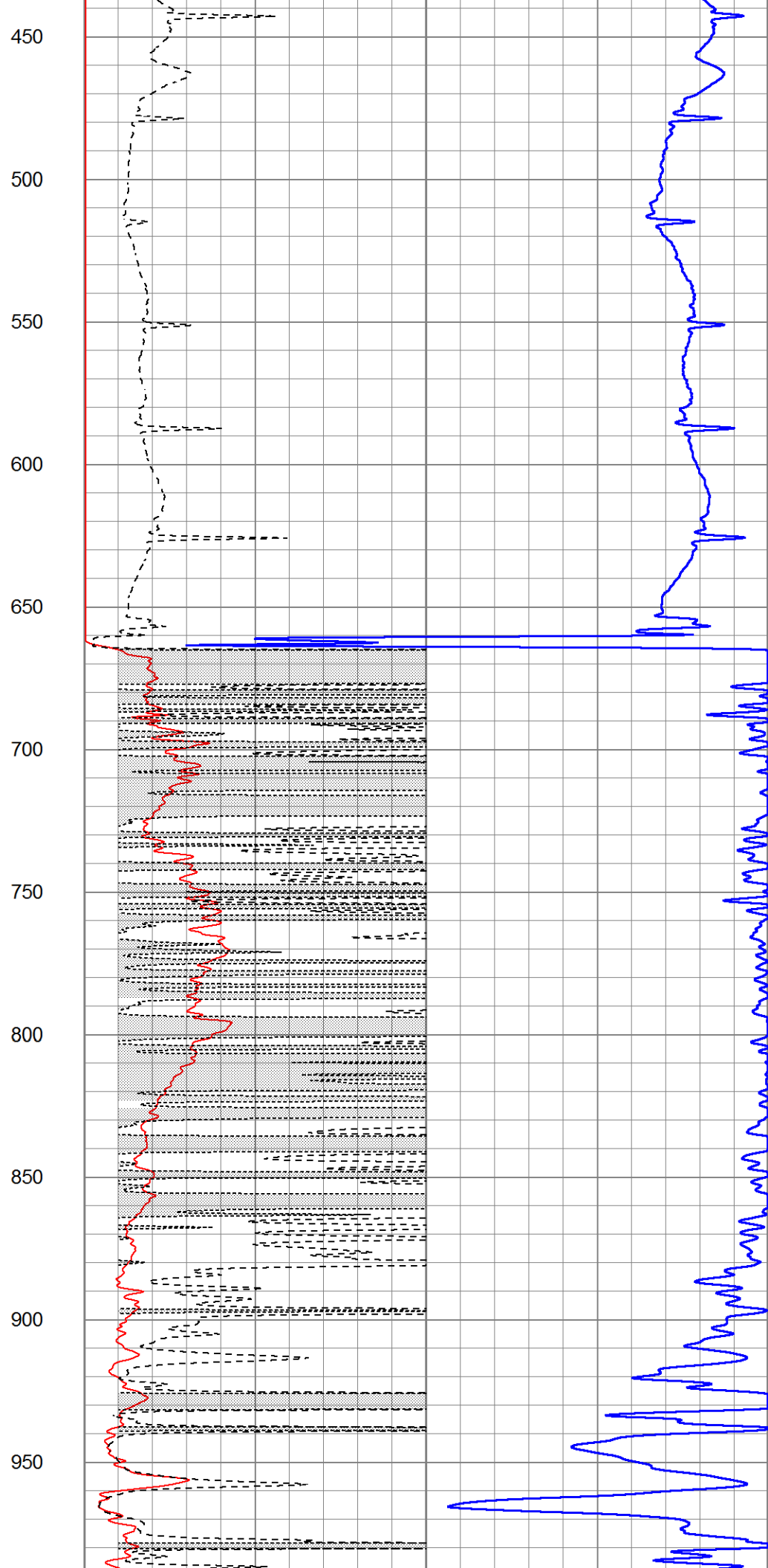
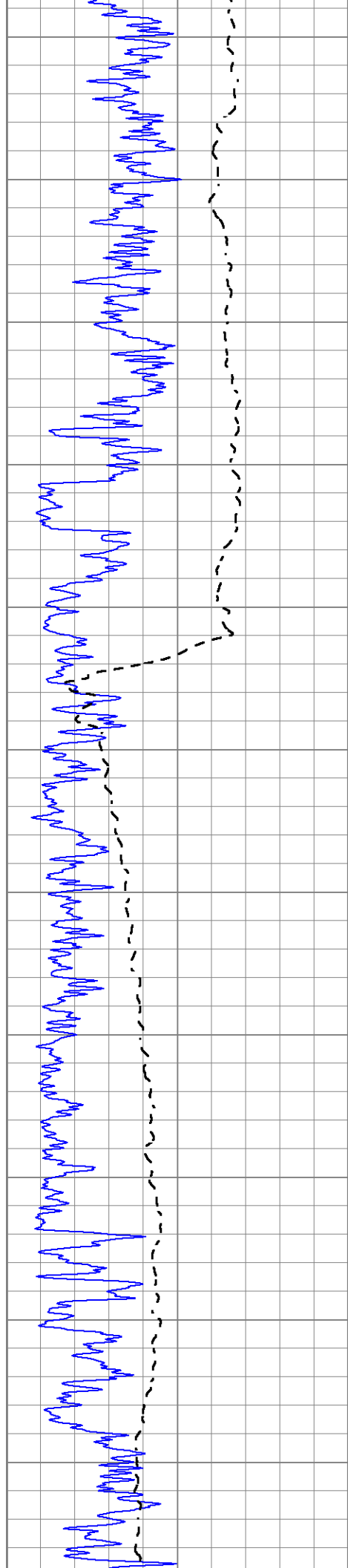
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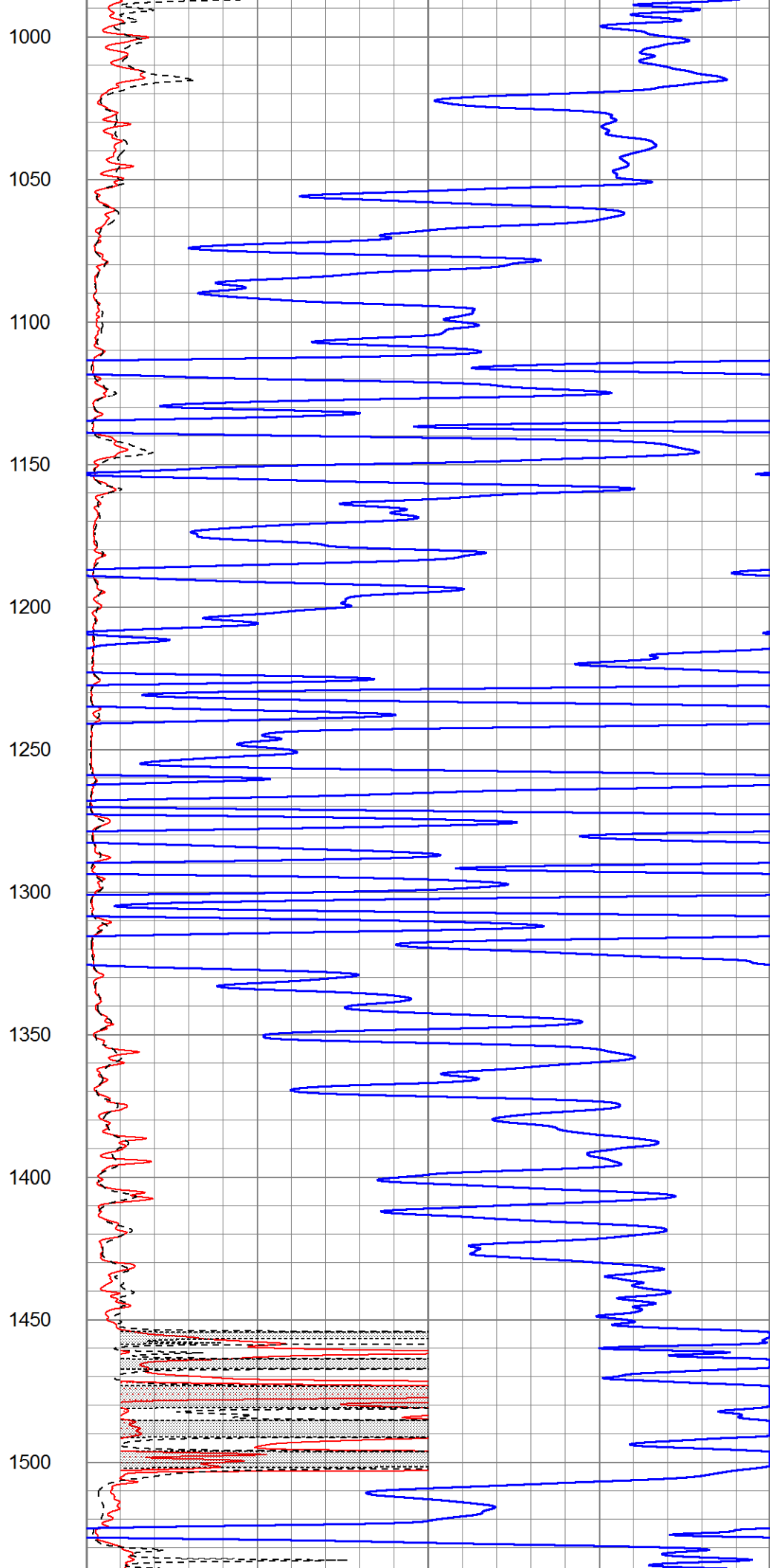
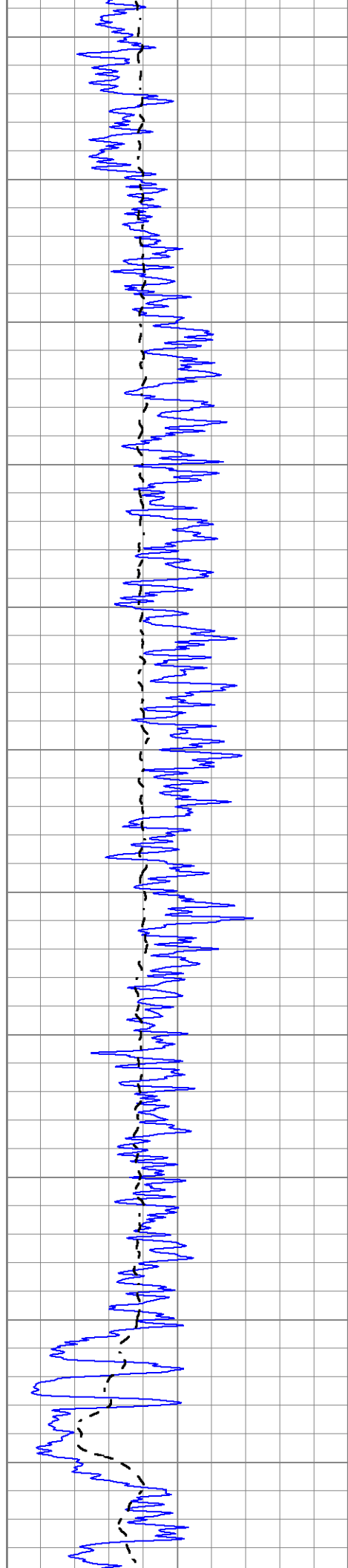
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Dataset Pathname pass3.3
Presentation Format _dil2
Dataset Creation Mon Jun 29 22:02:44 2015
Charted by Depth in Feet scaled 1:600

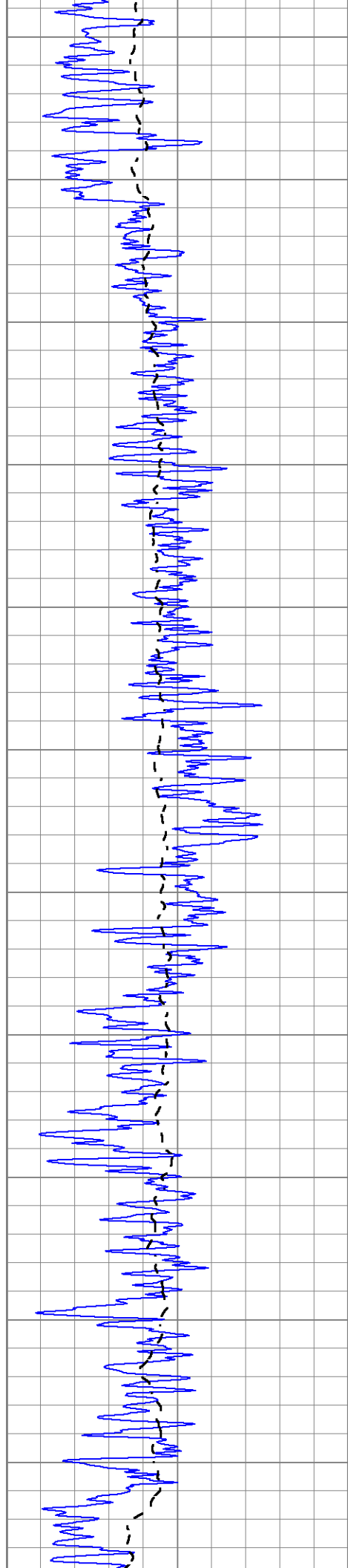
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-100	SP (mV)	100

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









1550

1600

1650

1700

1750

1800

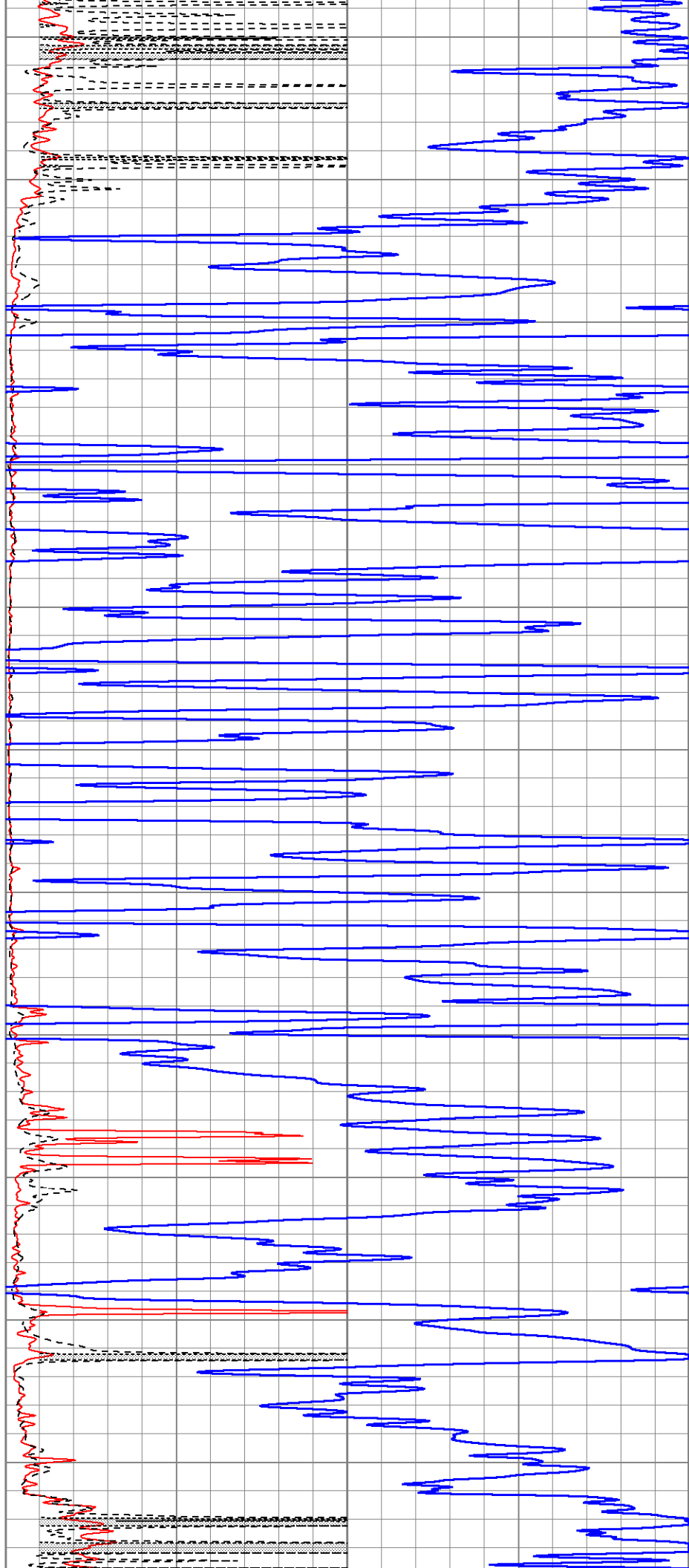
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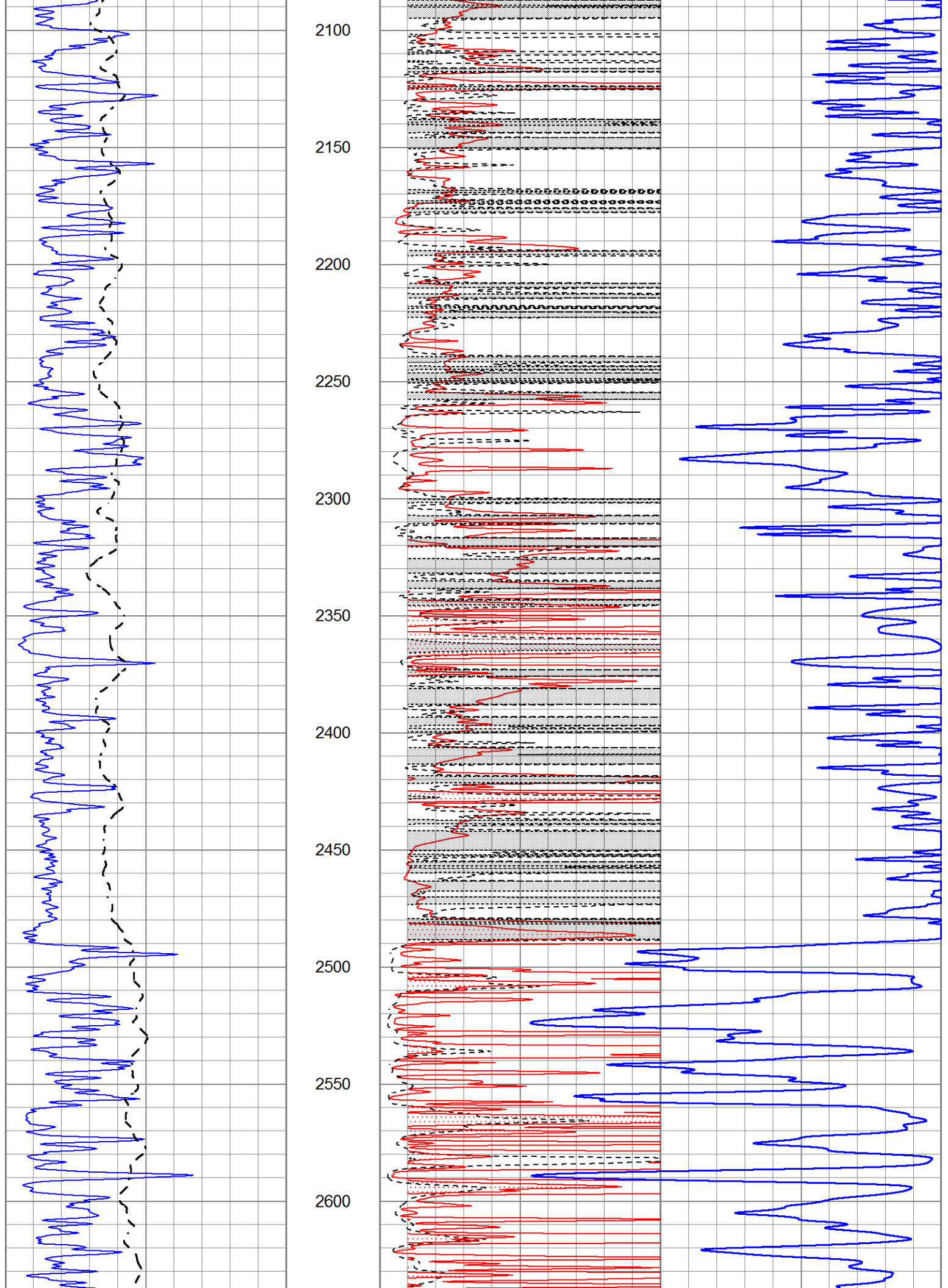
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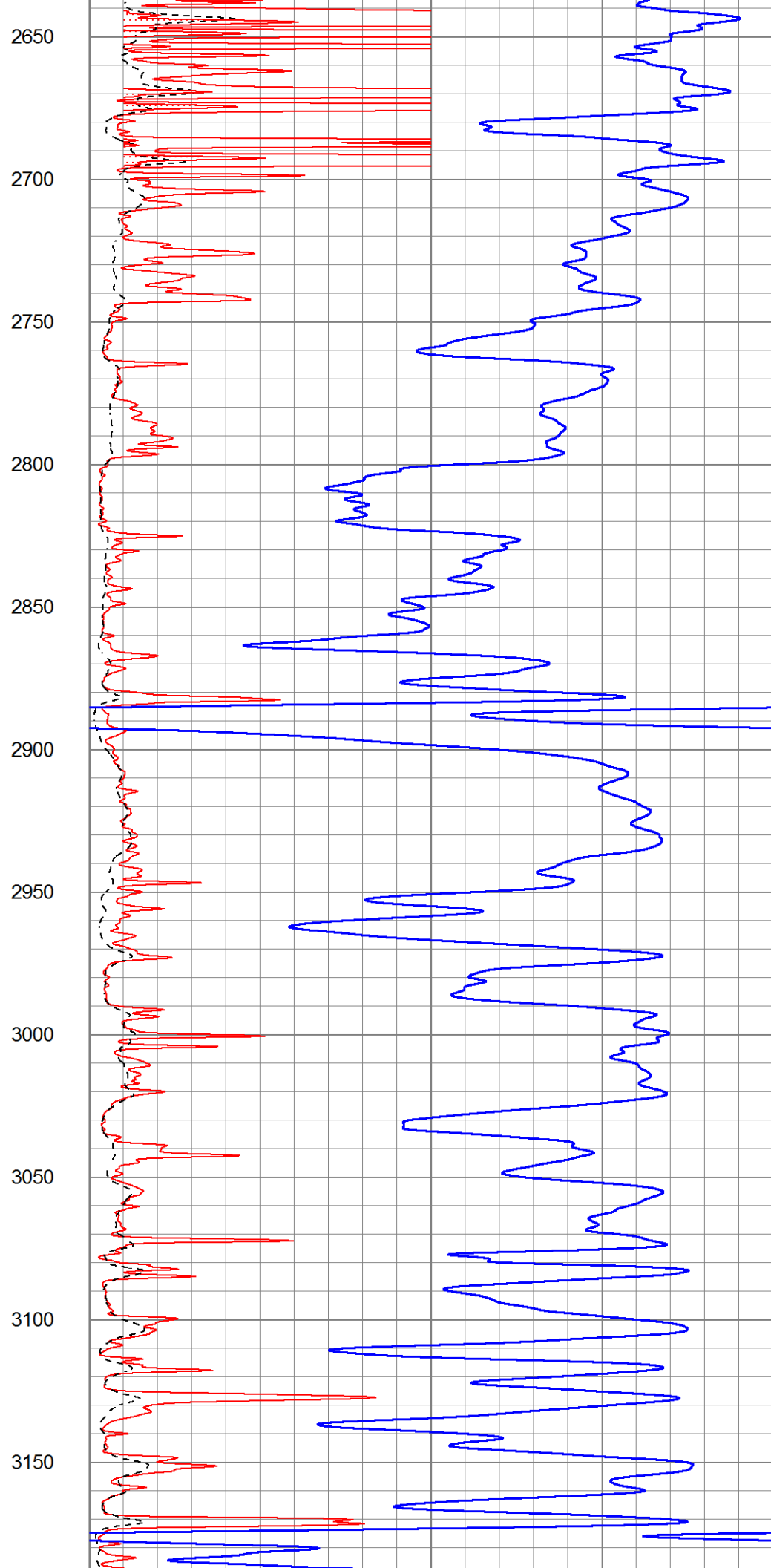
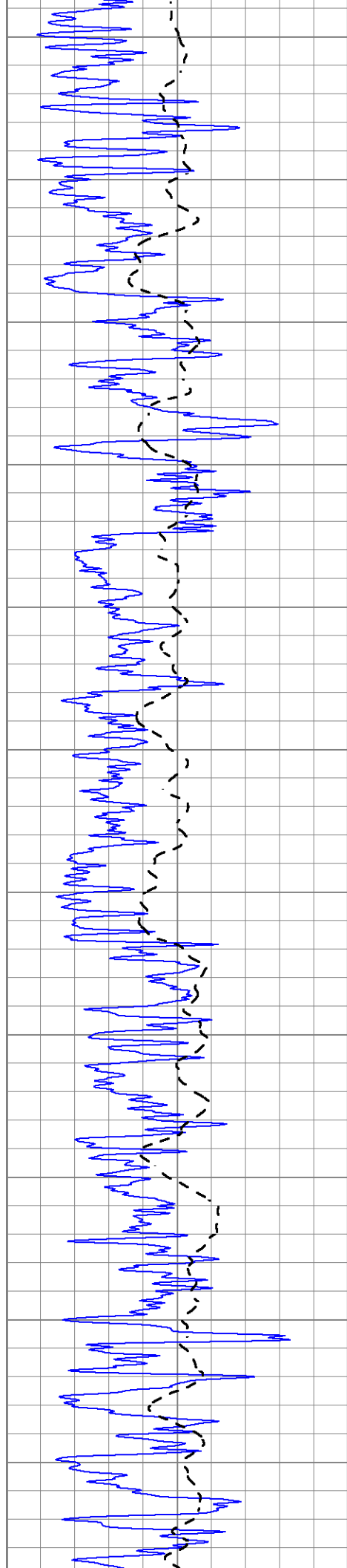
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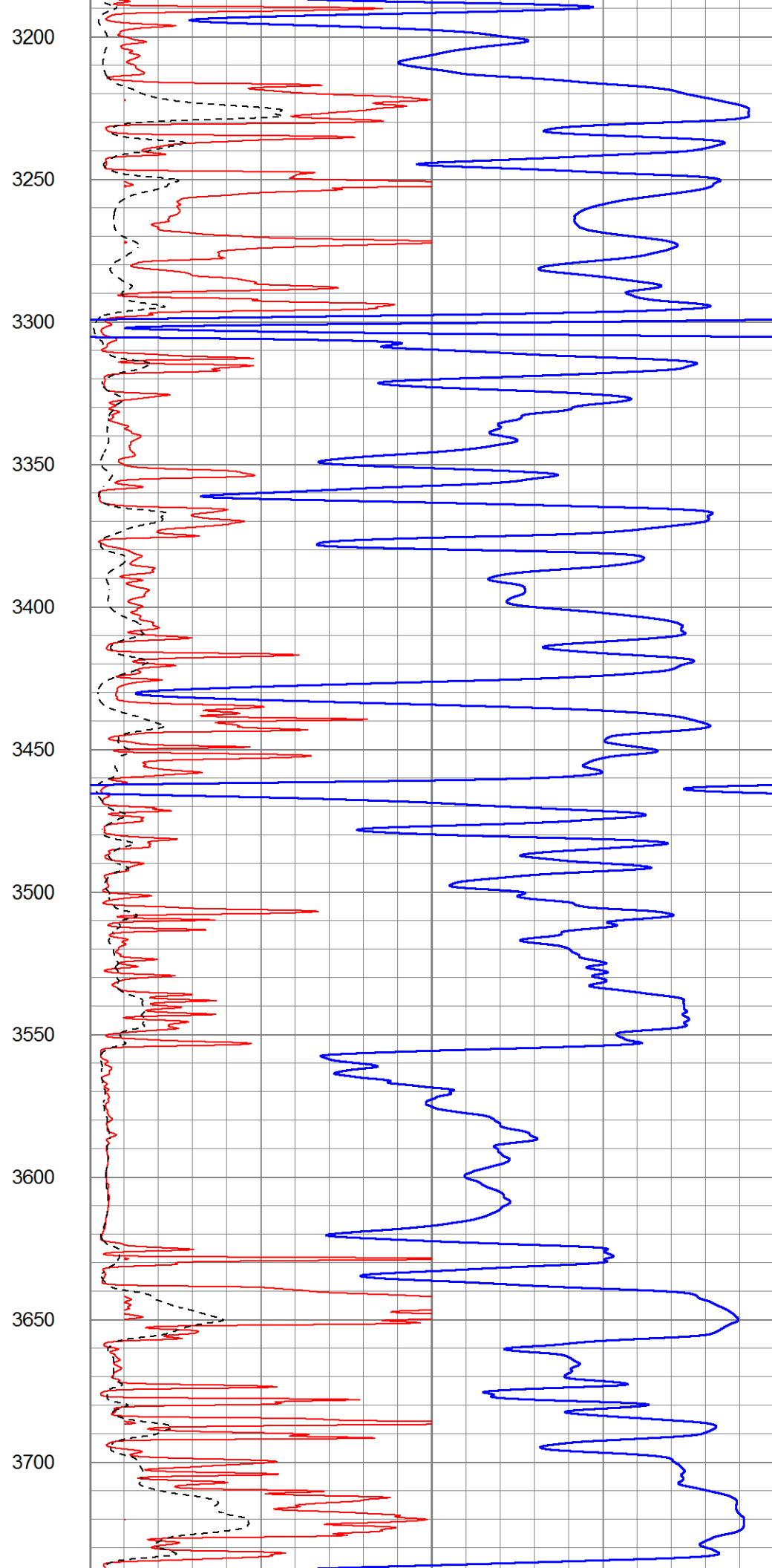
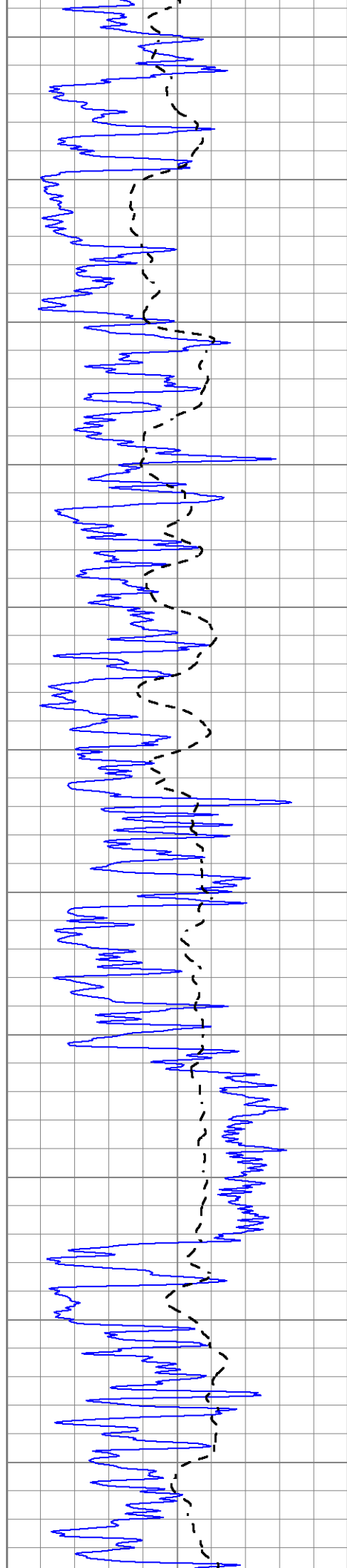
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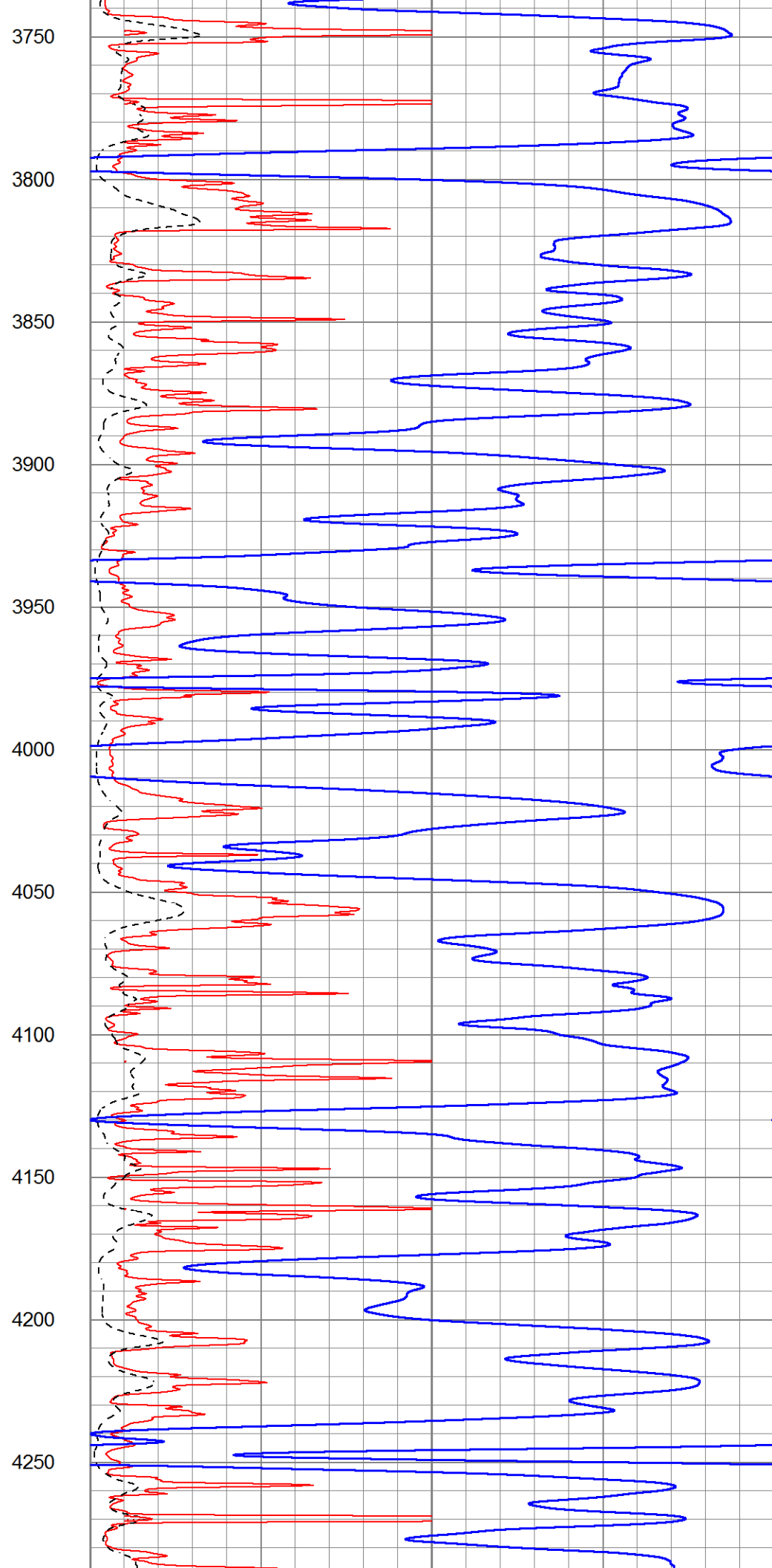
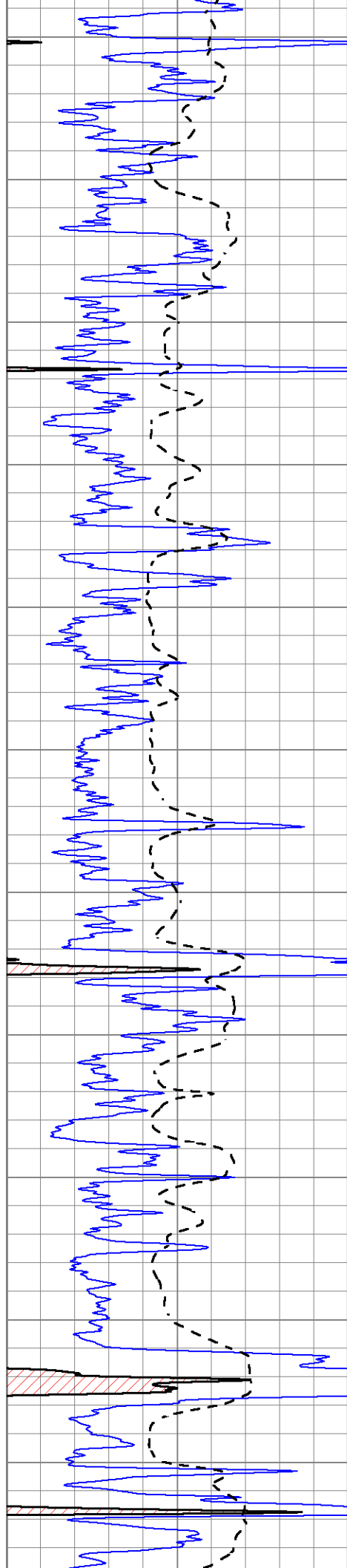
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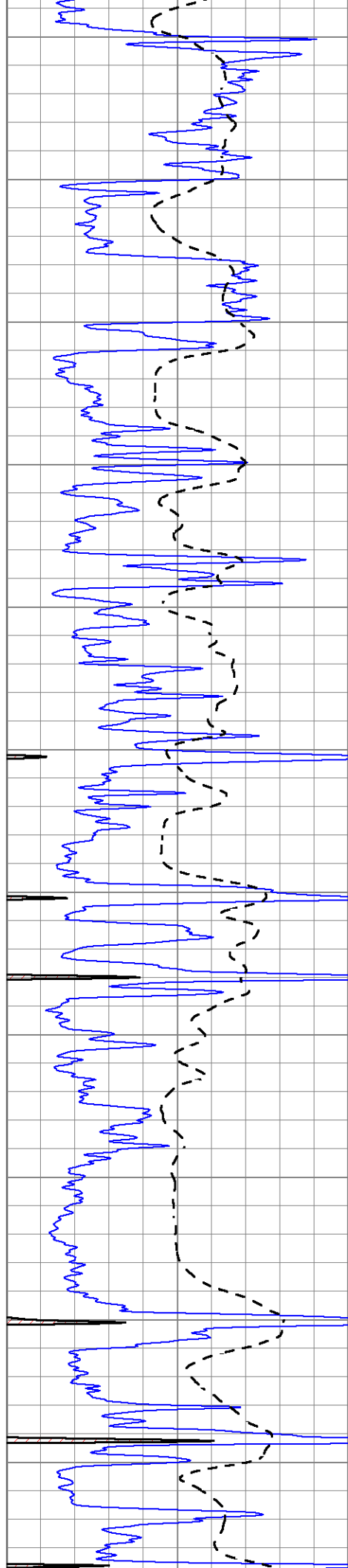












4300

4350

4400

4450

4500

4550

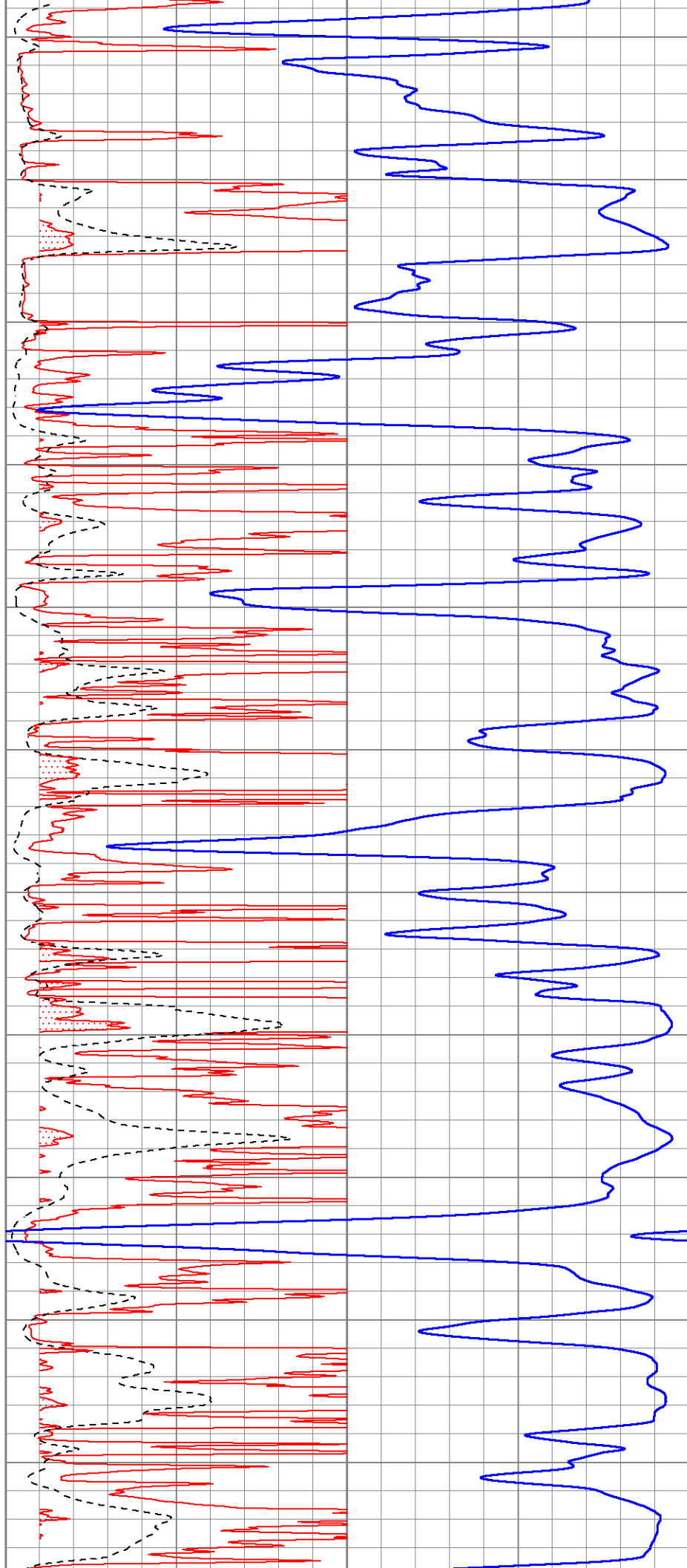
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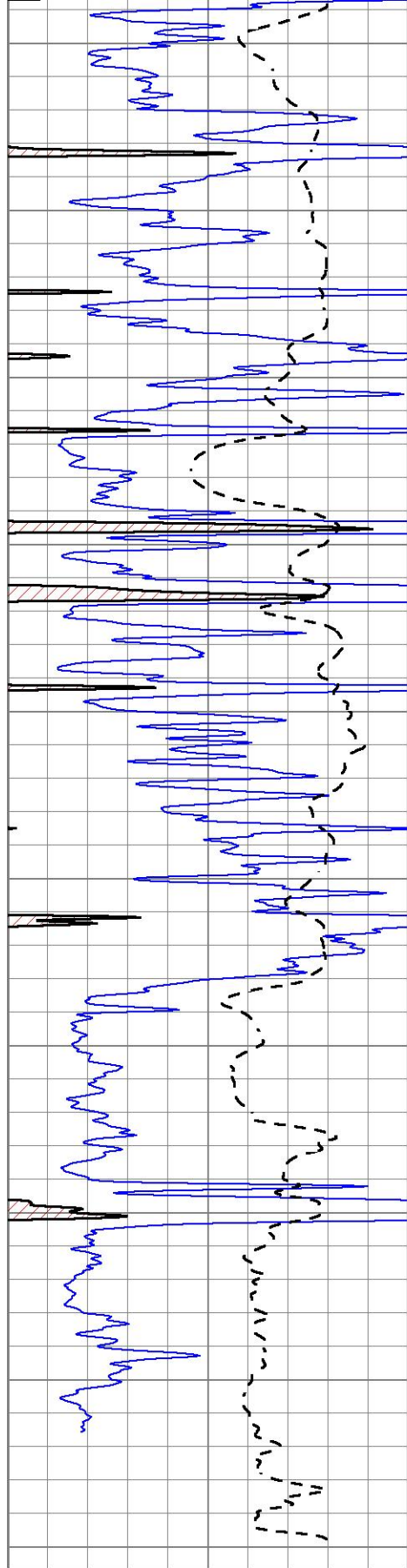
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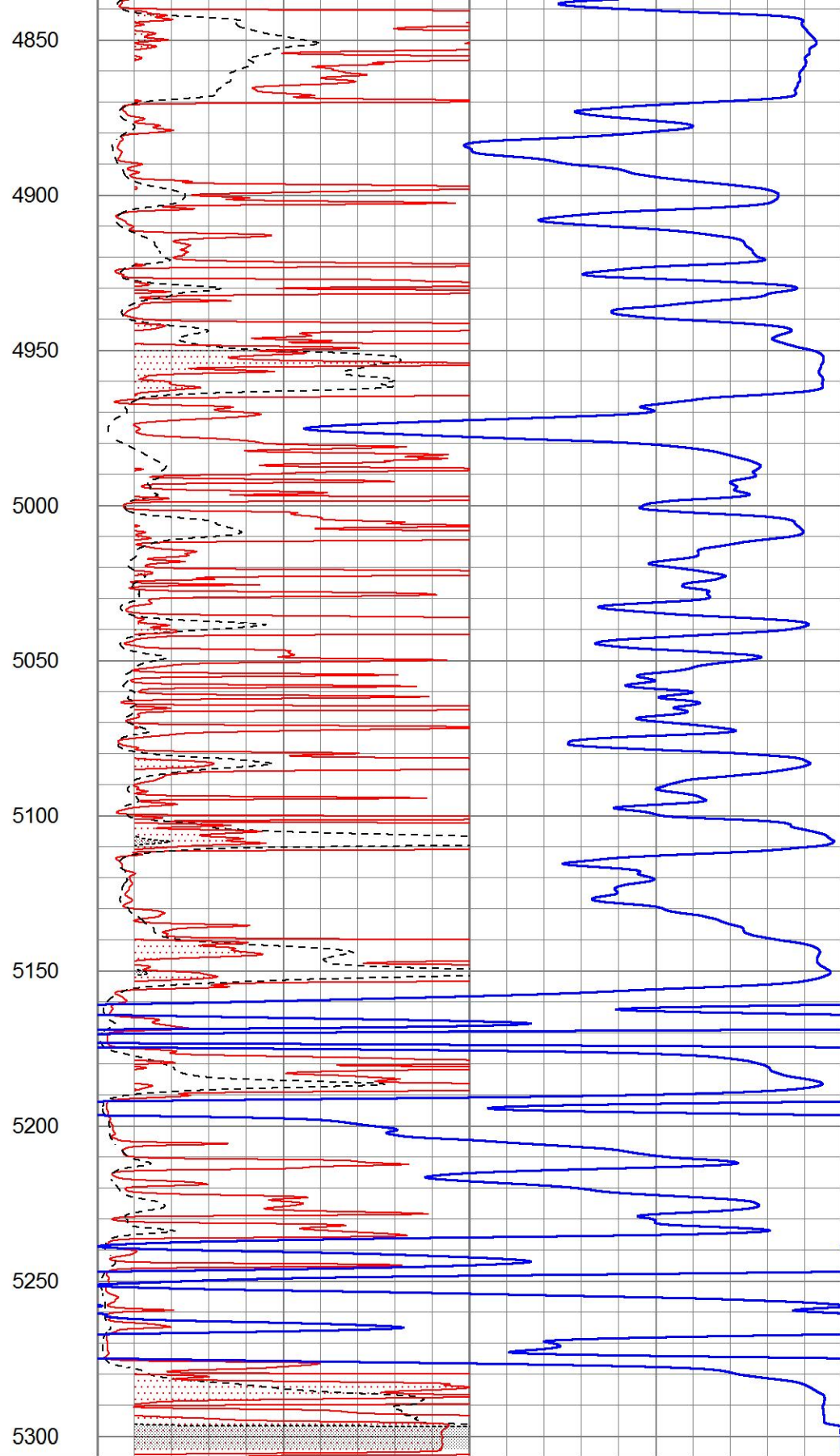
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4800





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



1000 CILD (mmho/m) 0

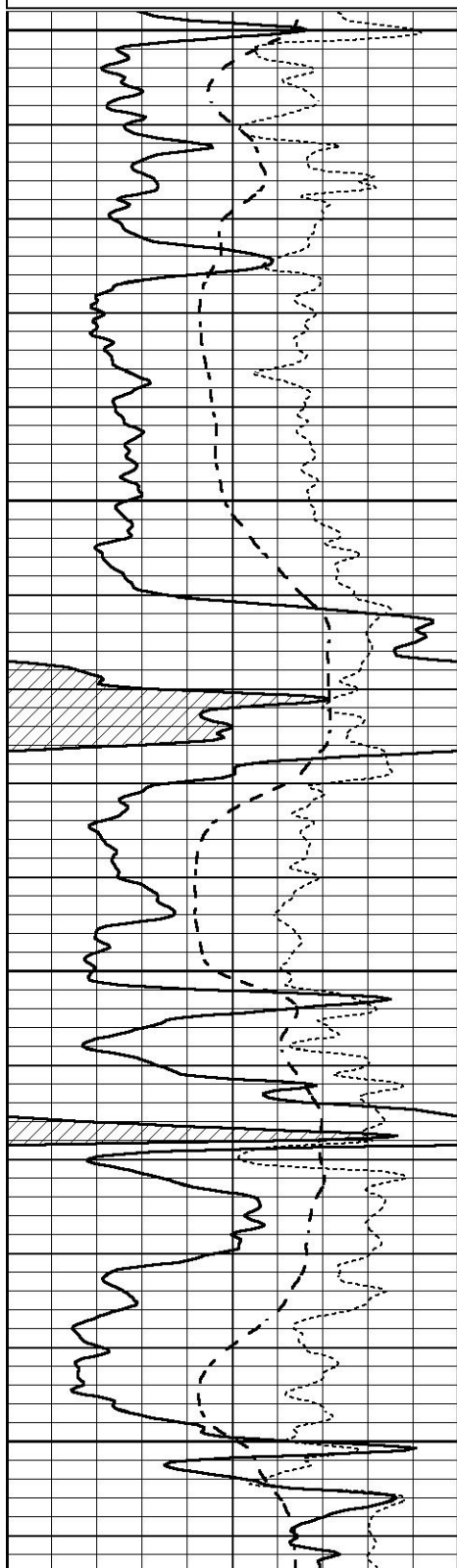
0	RLL3 (Ohm-m)	50
0	Deep Induction (Ohm-m)	50
50	RILD X10 (Ohm-m)	500
50	RLL3 X10 (Ohm-m)	500

MAIN SECTION

Database File 26448pe8.db
 Dataset Pathname pass3.2
 Presentation Format _dil
 Dataset Creation Mon Jun 29 21:20:03 2015
 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

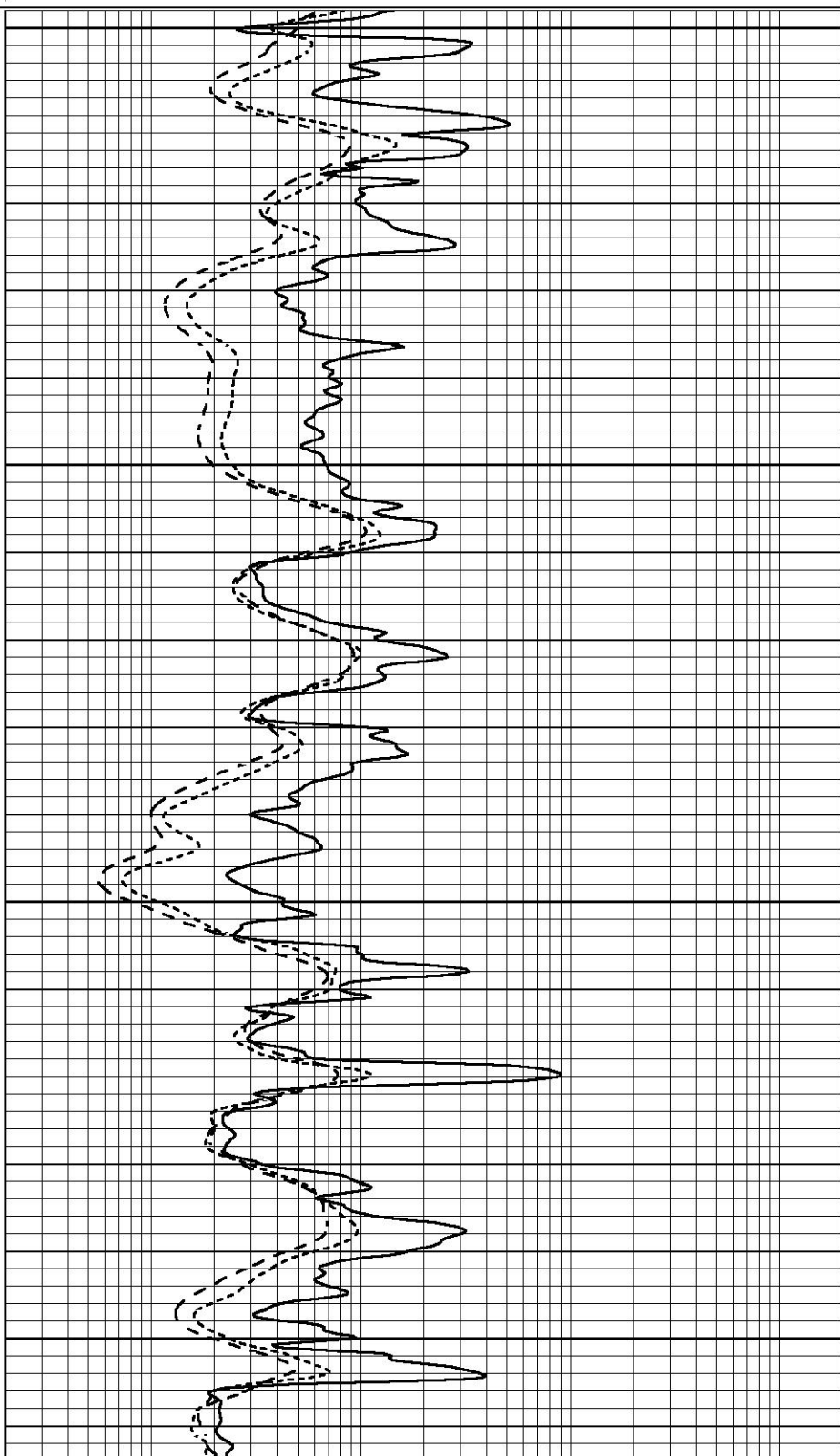


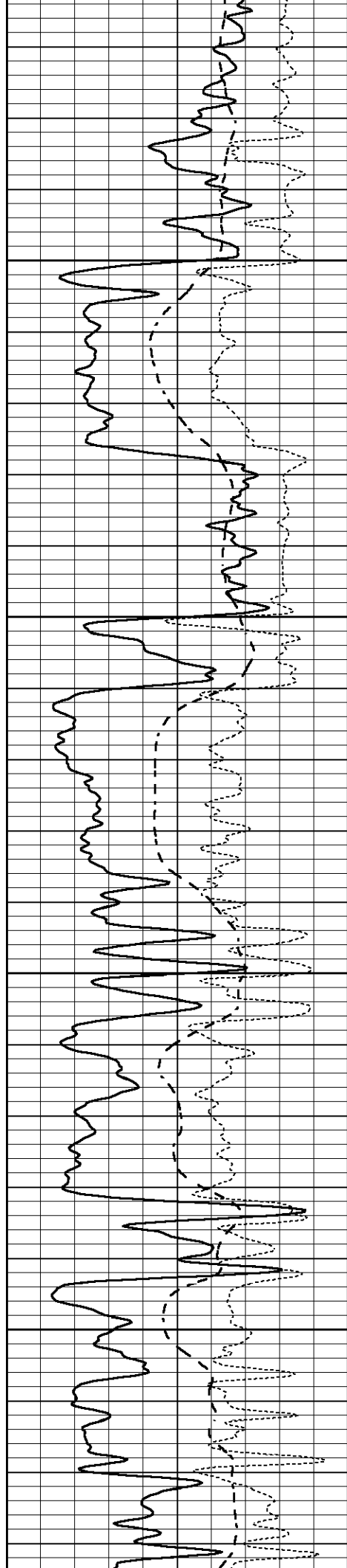
4150

4200

4250

4300



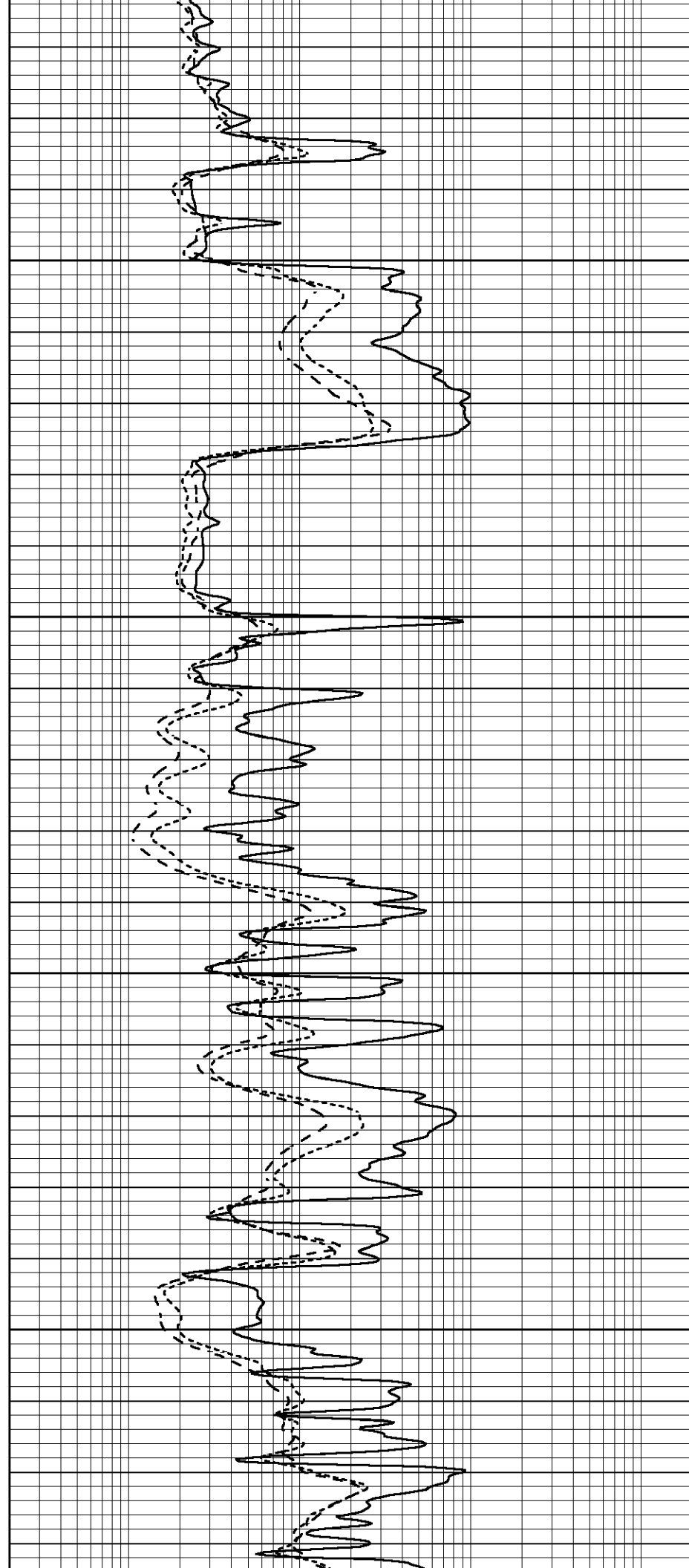


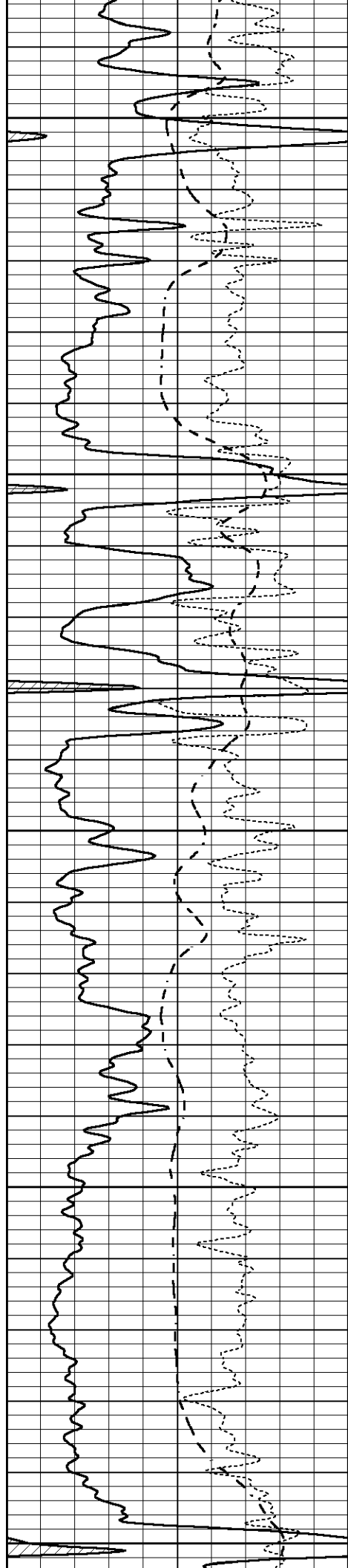
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4400

4450

4500





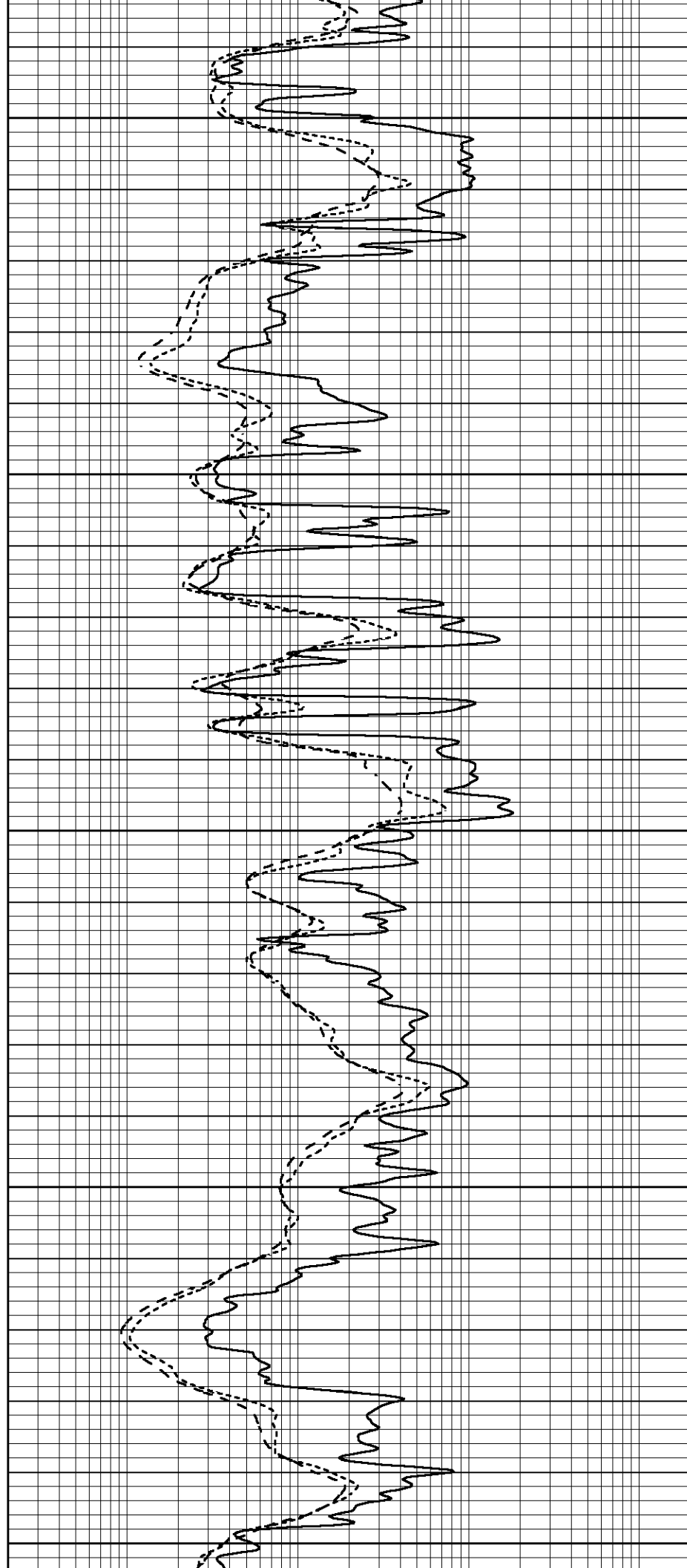
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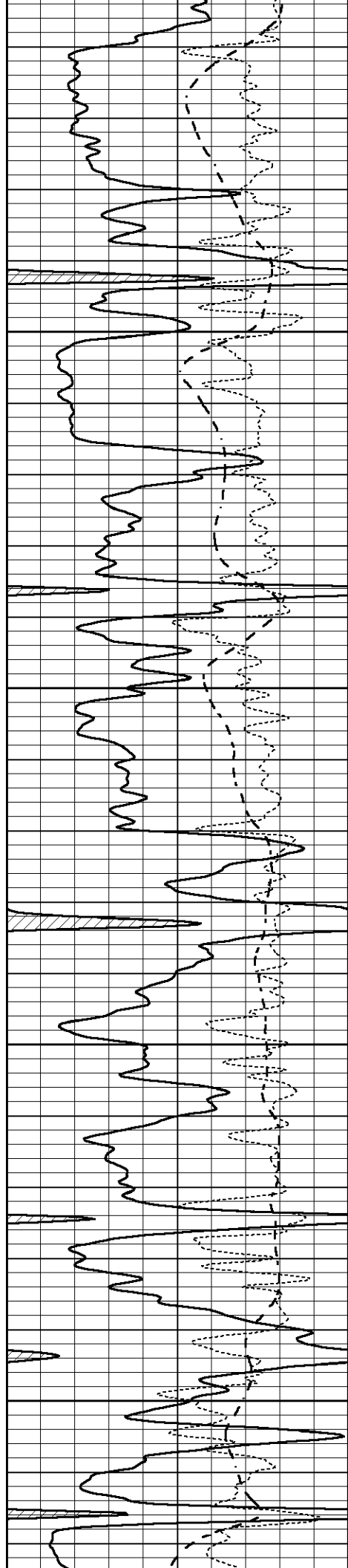
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4650

4700

4750



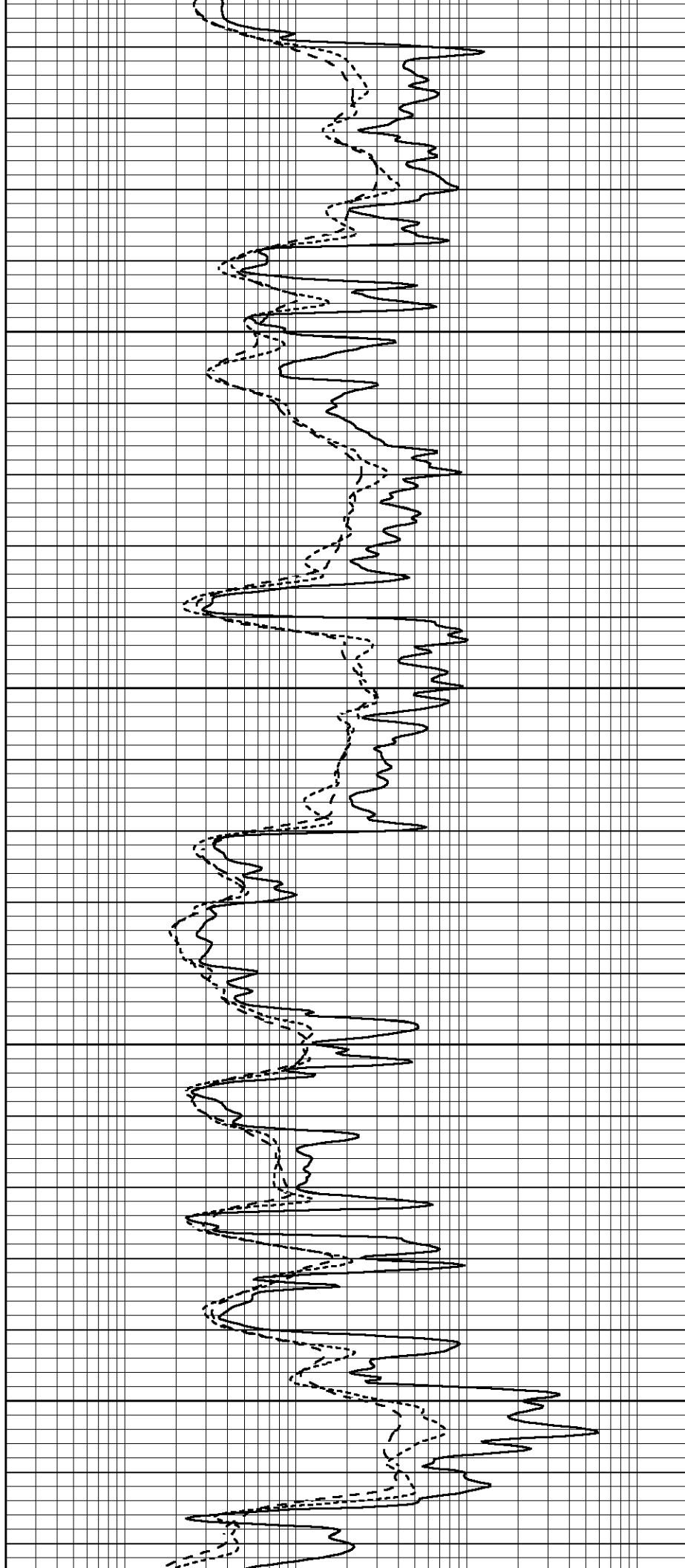


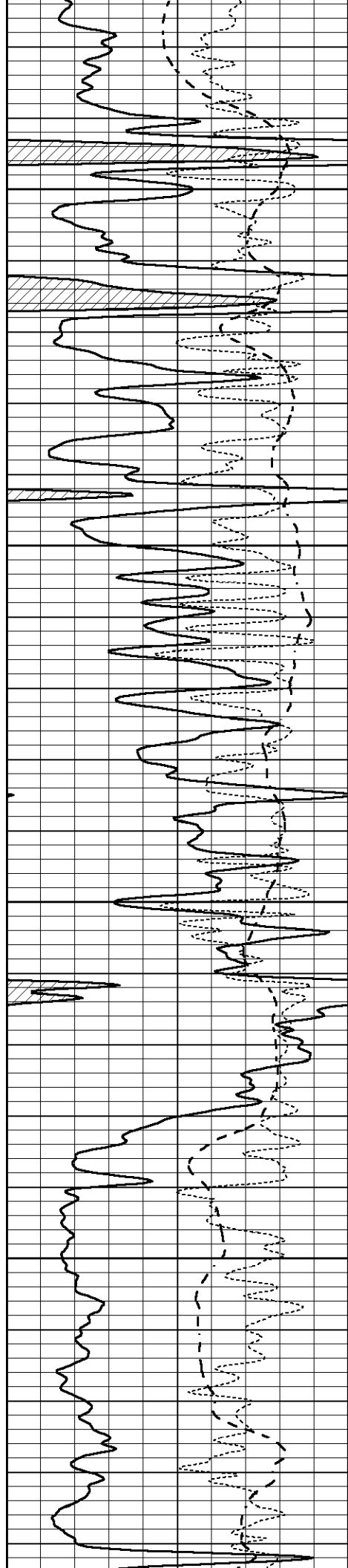
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4850

4900

4950



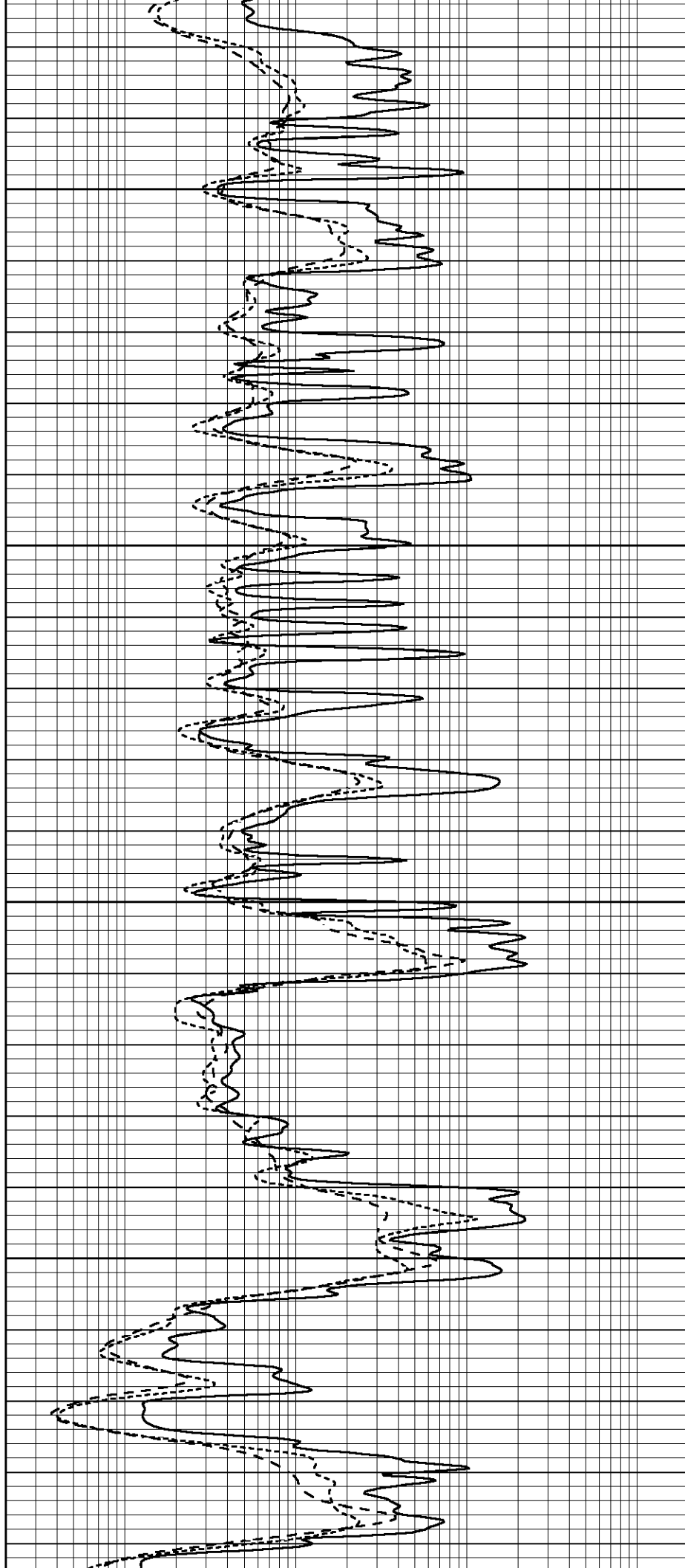


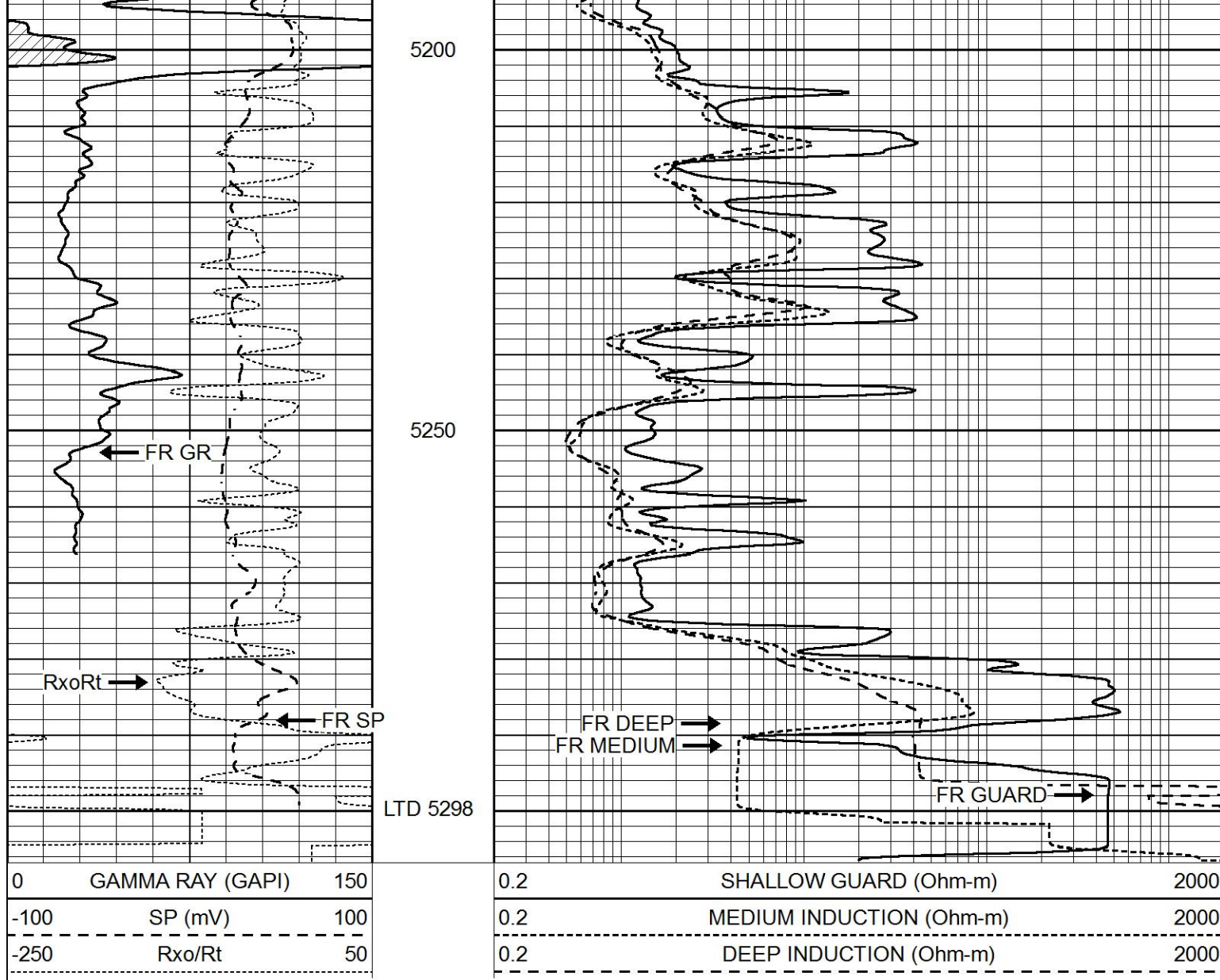
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5050

5100

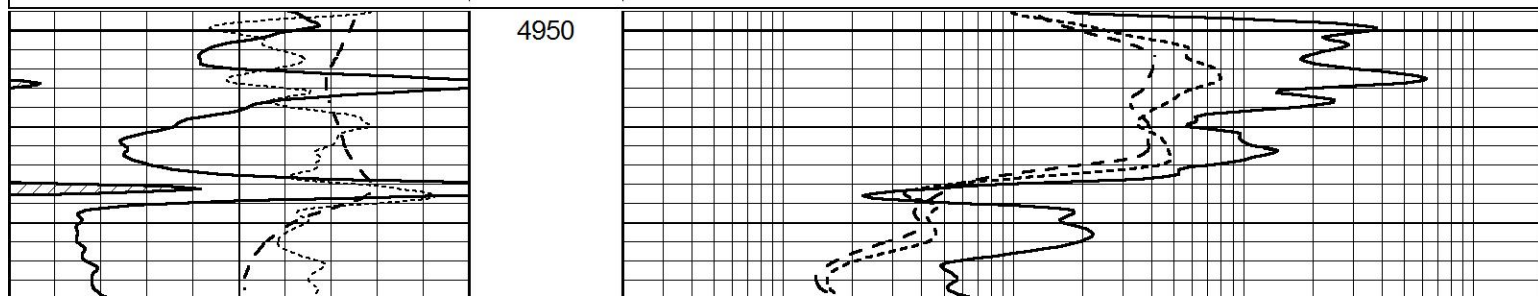
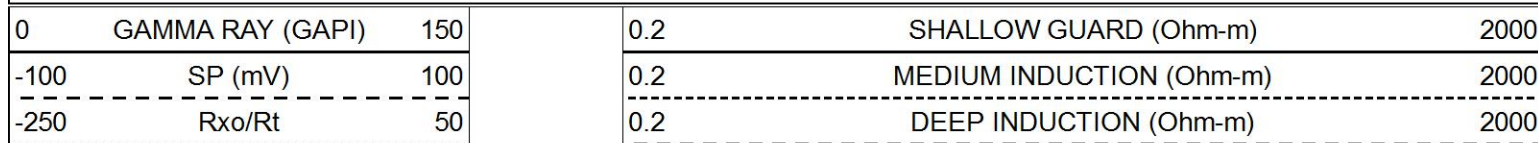
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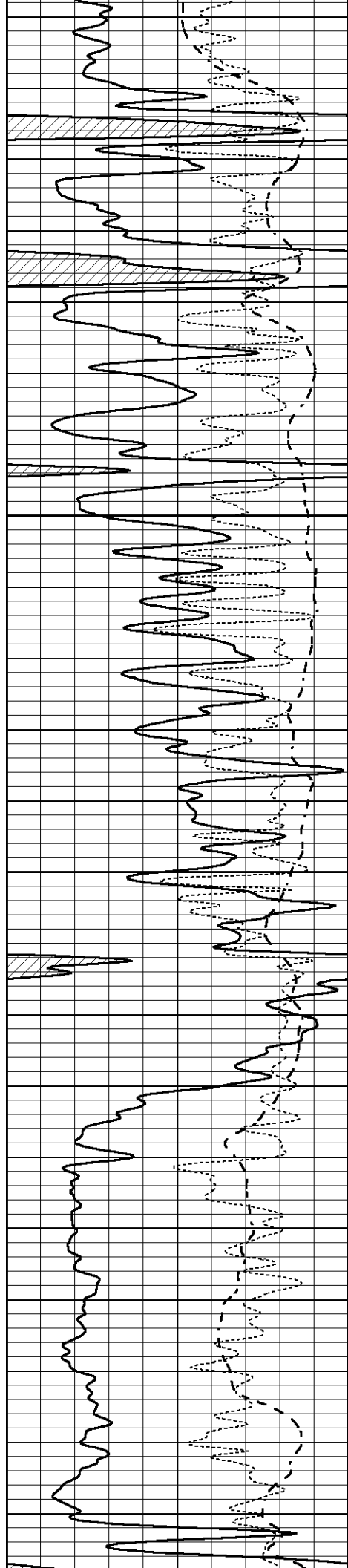




REPEAT SECTION

Database File 26448pe8.db
 Dataset Pathname pass2.1
 Presentation Format _dil
 Dataset Creation Mon Jun 29 20:34:34 2015
 Charted by Depth in Feet scaled 1:240



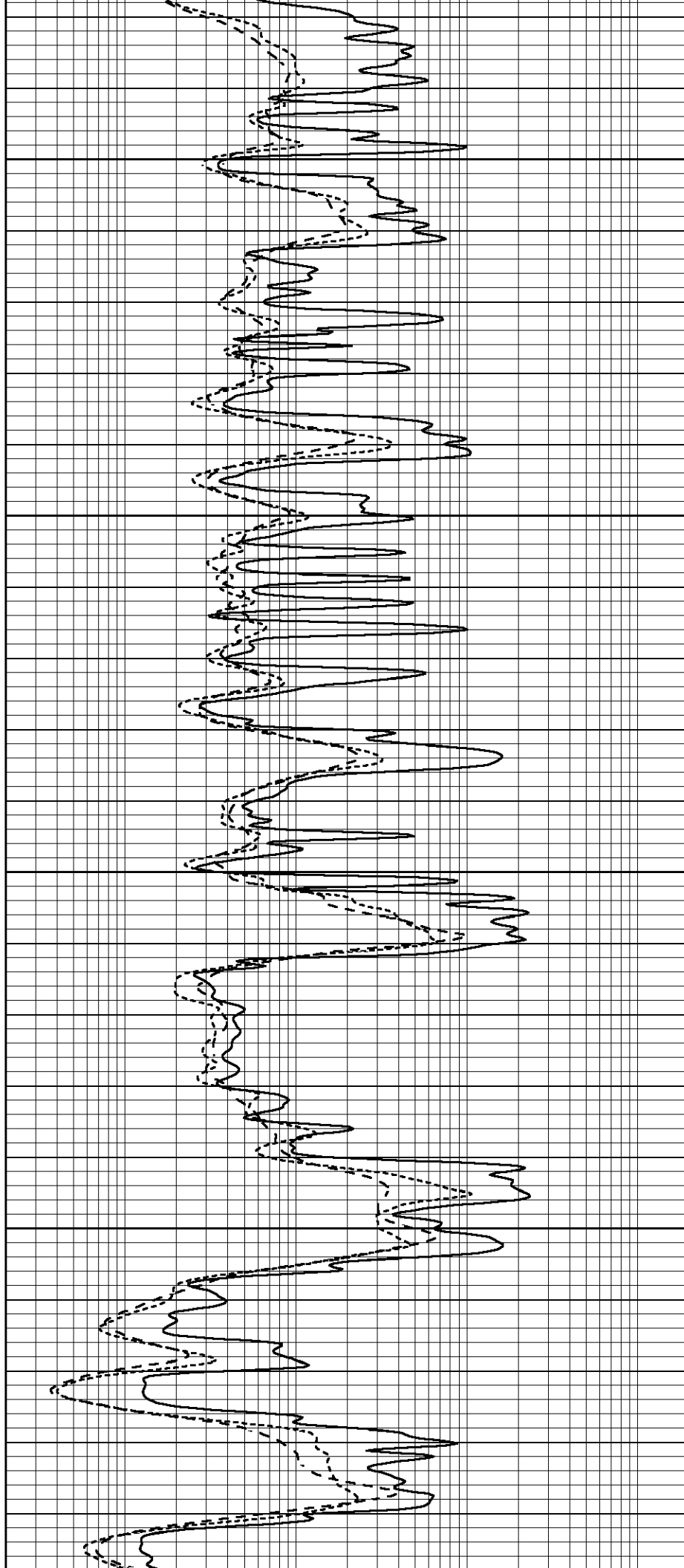


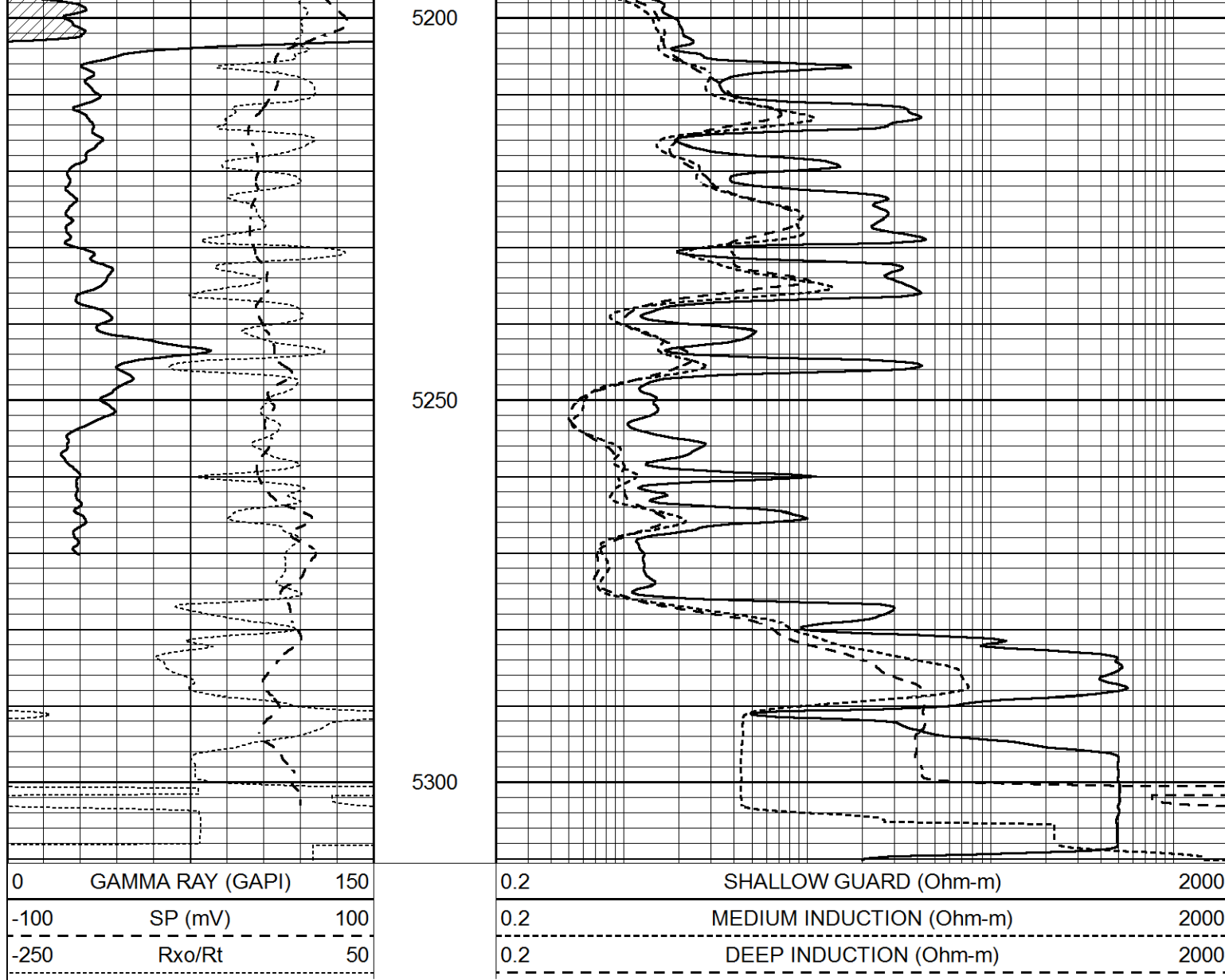
5000

5050

5100

5150





Calibration Report

Database File 26448pe8.db
Dataset Pathname pass3.3
Dataset Creation Mon Jun 29 22:02:44 2015

Dual Induction Calibration Report

Serial-Model: FW1410-56-Probe
Surface Cal Performed: Fri Mar 13 14:03:50 2015
Downhole Cal Performed: Fri Mar 13 15:37:29 2015
After Survey Verification Performed: Fri Mar 13 15:37:29 2015

Surface Calibration

Loop:	Readings			References			Results	
	Air	Loop		Air	Loop		m	b
Deep	0.008	0.765	V	1.000	400.000	mmho/m	527.061	-3.201
Medium	-0.056	0.761	V	1.000	464.000	mmho/m	567.187	32.510
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.005	0.624	V	0.000	400.000	mmho/m	645.611	-3.034
Medium	0.012	0.721	V	0.000	464.000	mmho/m	653.591	-7.532

Downhole Calibration

Readings				References			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	-0.647	301.329	mmho/m	-0.780	336.378	mmho/m	1.117	-0.058
Medium	38.256	411.013	mmho/m	39.046	441.706	mmho/m	1.080	-2.280
LL3		7.471	V		1500.000	Ohm-m		
		0.001	V		20.000	Ohm-m		
		-7.085	V		6000.000	mmho-m		

After Survey Verification								
Readings			Targets			Results		
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	-0.647	301.329	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	38.256	411.013	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								
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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 5123.0	High 9461.6	Low 8.5	High 14.0	Gain 0.0	Offset 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:	080620PMC		
		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:		46001			
Tool Model:		Probe1			
Performed:		Mon Nov 24 09:45:18 2014			
Calibrator Value:		1.0	GAPI		
Background Reading:		0.0	cps		
Calibrator Reading:		1.0	cps		
Sensitivity:		0.2600	GAPI/cps		