



**COMPLETION
& PRODUCTION
SERVICES CO.**

**DUAL
INDUCTION
LOG**

Company	VINCENT OIL CORPORATION	Company	VINCENT OIL CORPORATION
Well	IMEL #4-5	Well	IMEL #4-5
Field	KINGSDOWN NORTHWEST	Field	KINGSDOWN NORTHWEST
County	FORD	County	FORD
State	KANSAS	State	KANSAS
Location:	API # : 15-057-20964-00-00 1050' FSL & 455' FWL NE - NW - SW - SW	Other Services CNL/CDL/PE MEL/SON	
Permanent Datum	SEC 5 TWP 29S RGE 22W	Elevation	
Log Measured From	GROUND LEVEL Elevation 2524 KELLY BUSHING 13' A.G.L.	K.B. 2537 D.F. 2535 G.L. 2524	
Drilling Measured From	KELLY BUSHING		
Date	7-11-15		
Run Number	ONE		
Depth Driller	5400		
Depth Logger	5406		
Bottom Logged Interval	5404		
Top Log Interval	00		
Casing Driller	8 5/8 @ 688'		
Casing Logger	686'		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 8,800 PPM	
Density / Viscosity	9.2/48		
pH / Fluid Loss	9.0/11.2		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	0.30 @ 81F		
Rmf @ Meas. Temp	0.23 @ 81F		
Rmc @ Meas. Temp	0.36 @ 81F		
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	IAN MABB		
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.

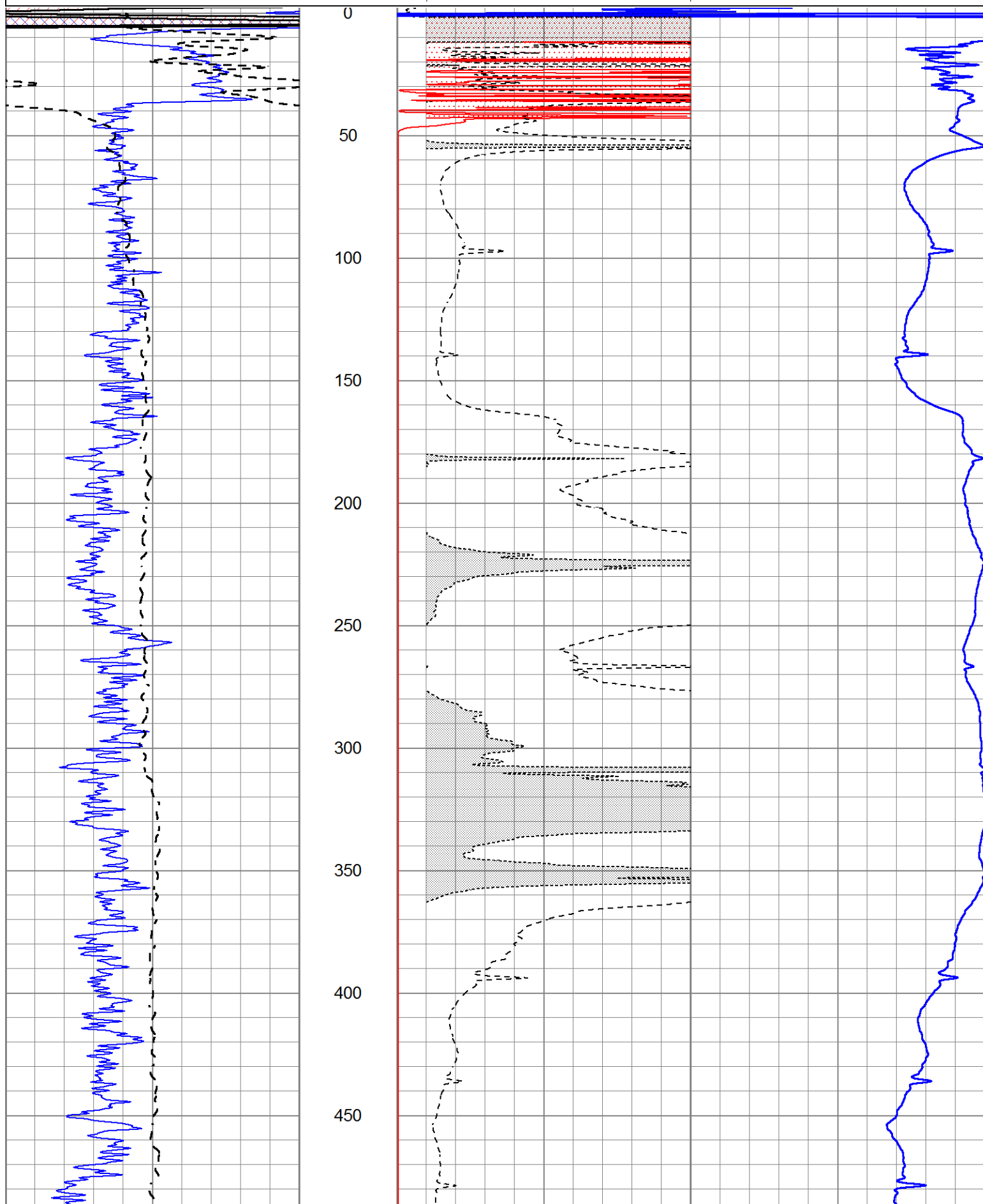
Comments

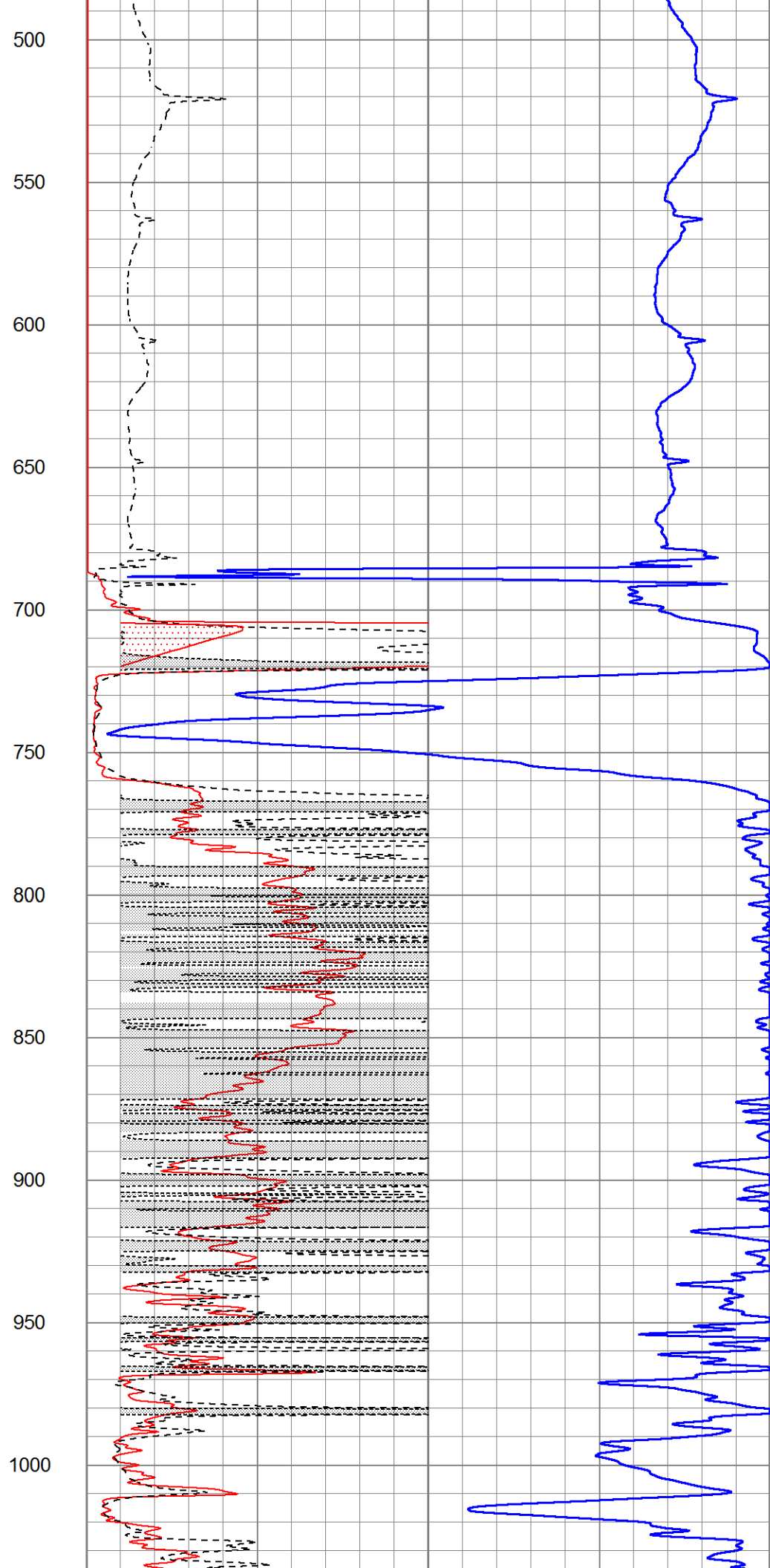
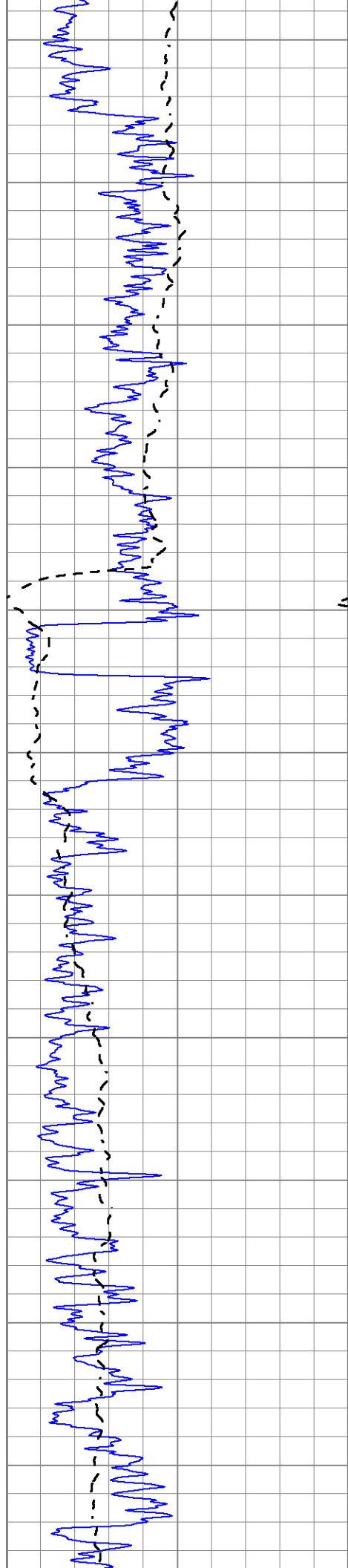
THANK YOU FOR USING NABORS, HAYS, KS. (785) 628-6395
DIRECTIONS :FORD, KS - SOUTH TO WILDFIRE RD - EAST 1/4 MILE - NORTH INTO

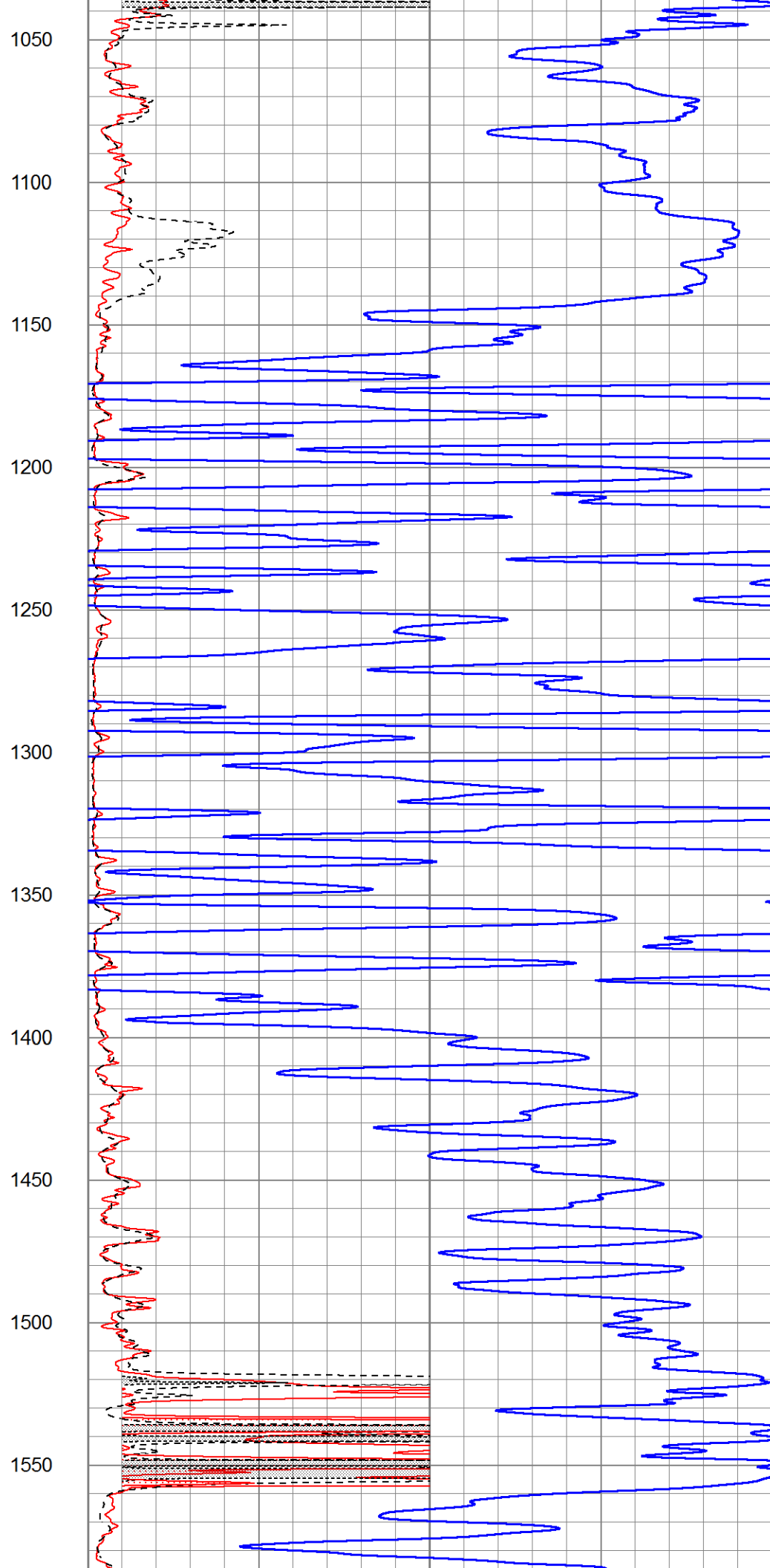
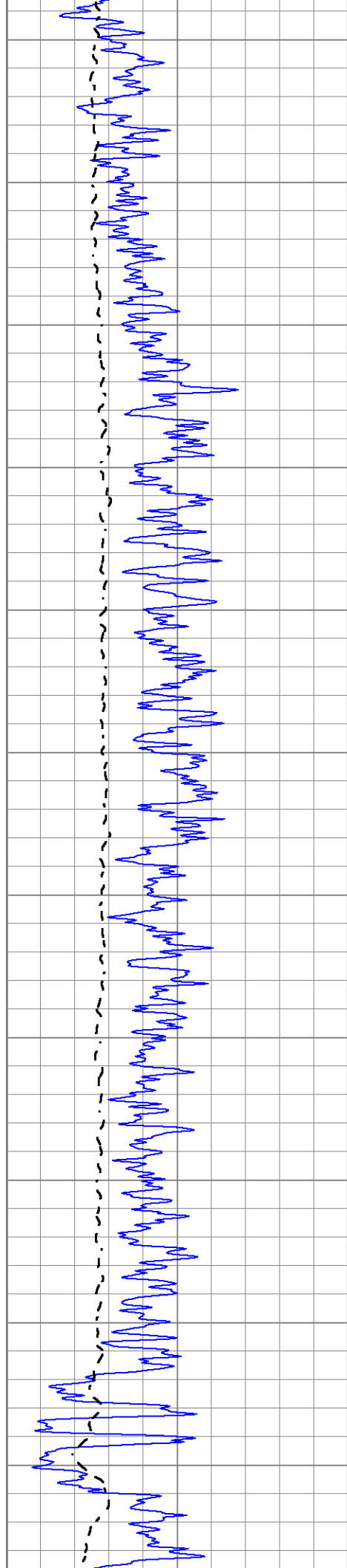
Database File 26449pe8.db
Dataset Pathname pass3.3
Presentation Format _dil2
Dataset Creation Sat Jul 11 13:34:39 2015
Charted by Depth in Feet scaled 1:600

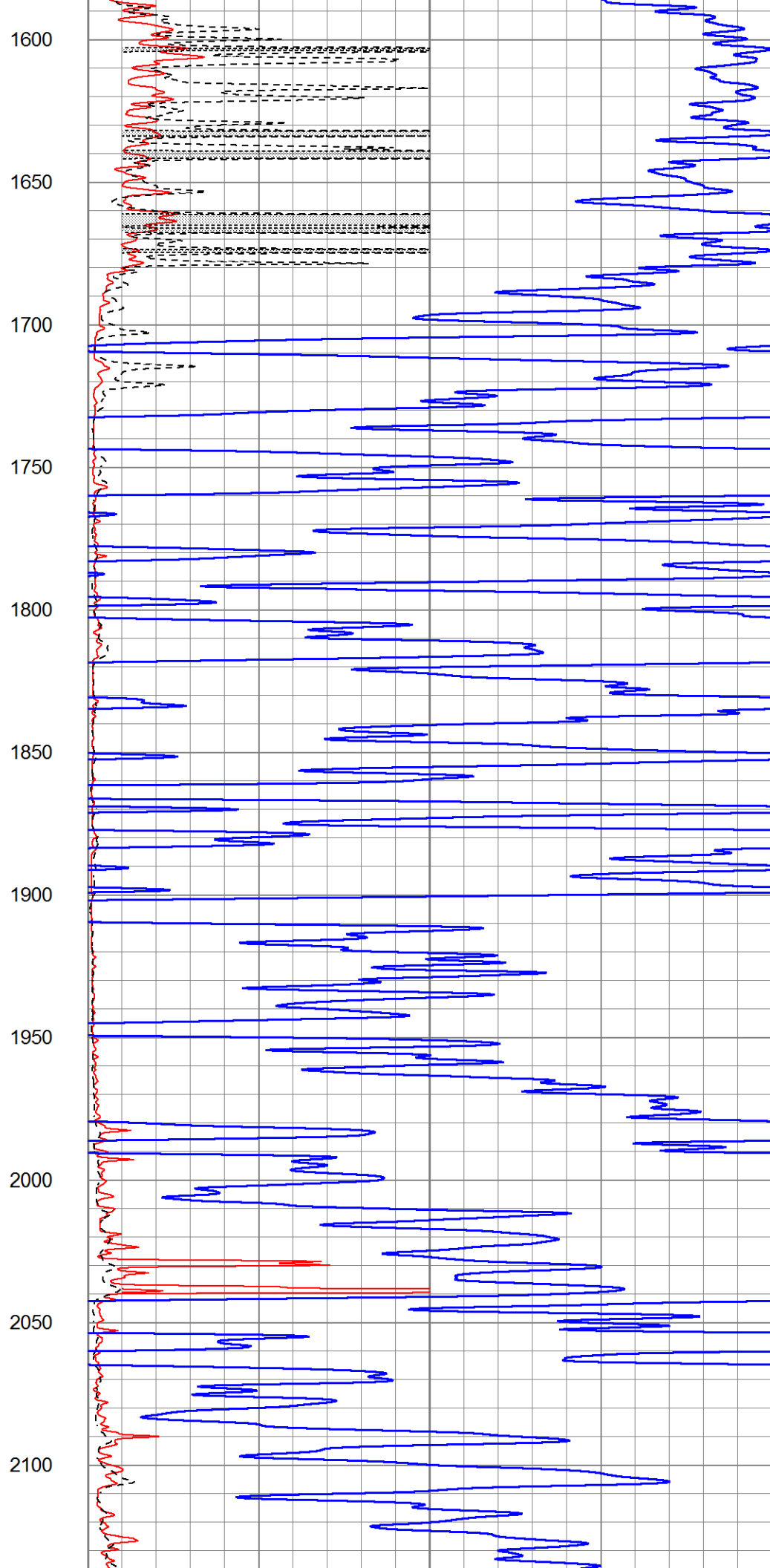
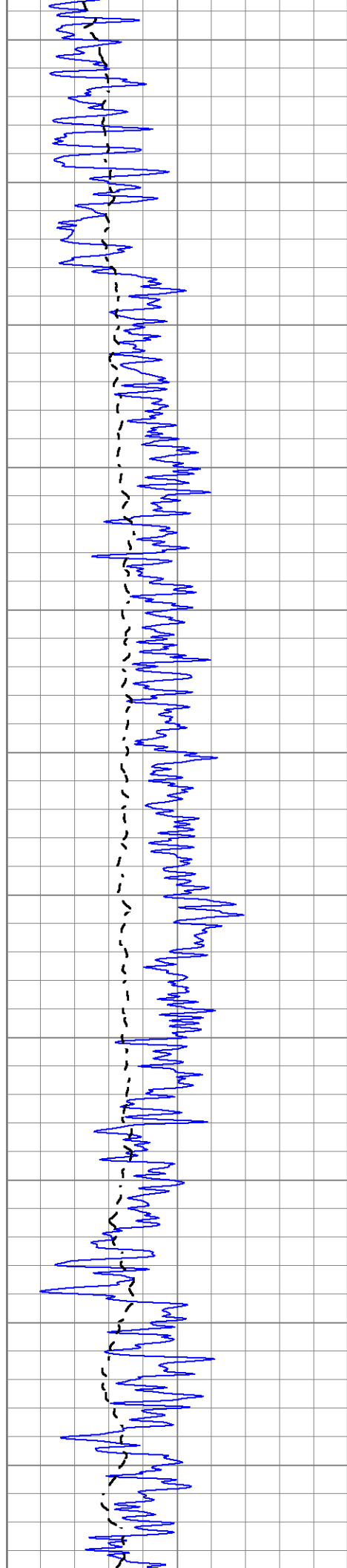
0	Gamma Ray (GAPI)	150
-100	SP (mV)	100

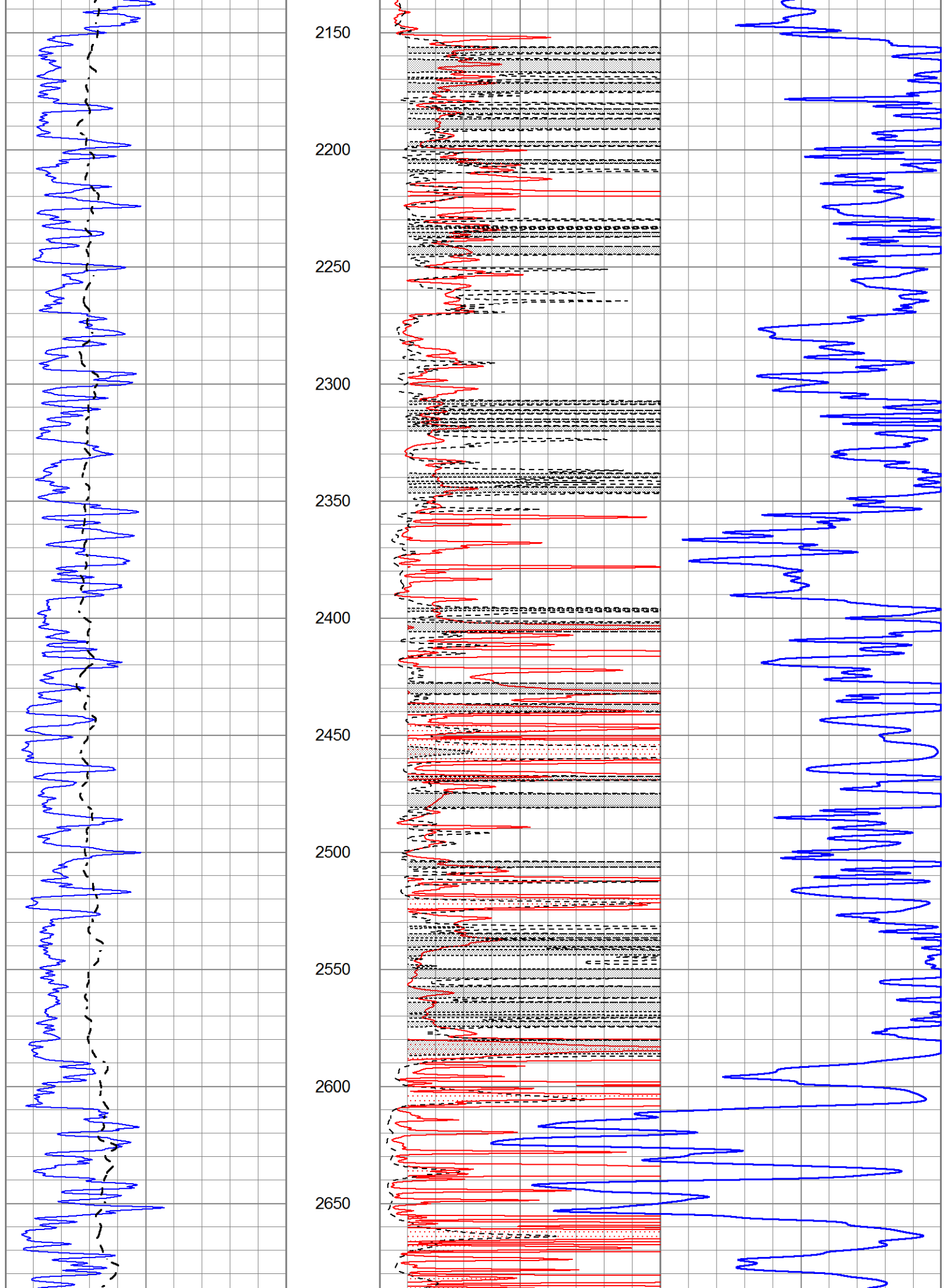
1000	CILD (mmho/m)	0
0	RLL3 (Ohm-m)	50
0	Deep Induction (Ohm-m)	50
50	RILD X10 (Ohm-m)	500
50	RLL3 X10 (Ohm-m)	500

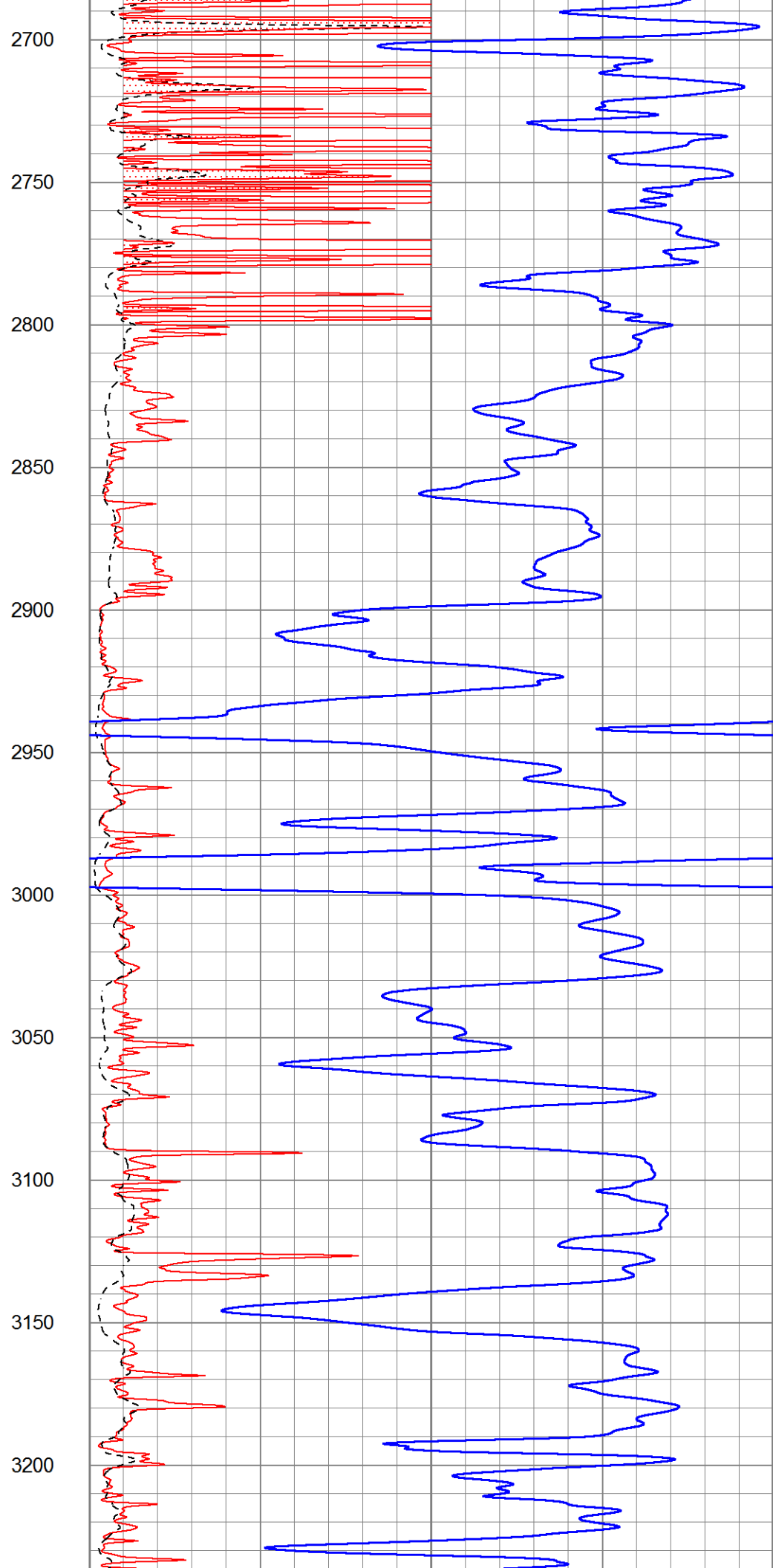
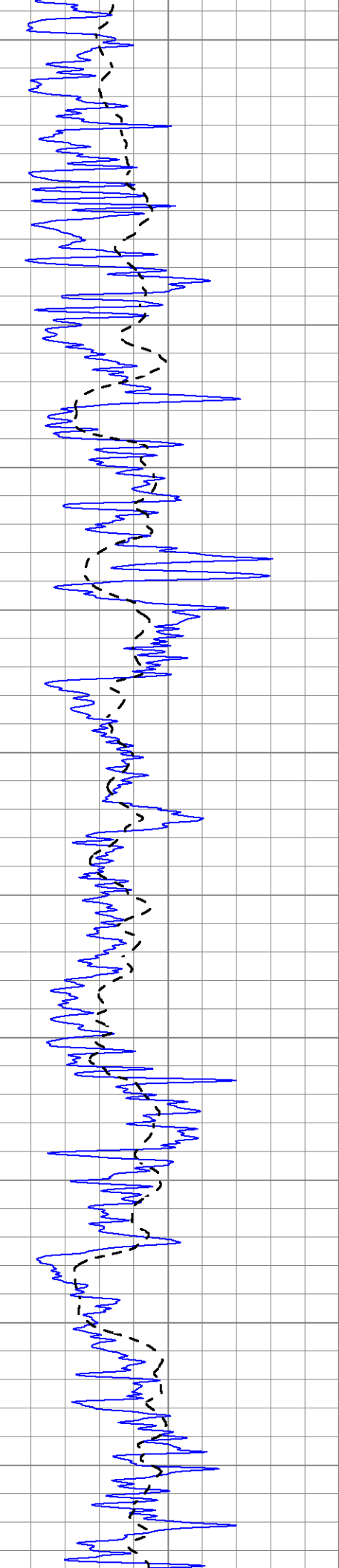


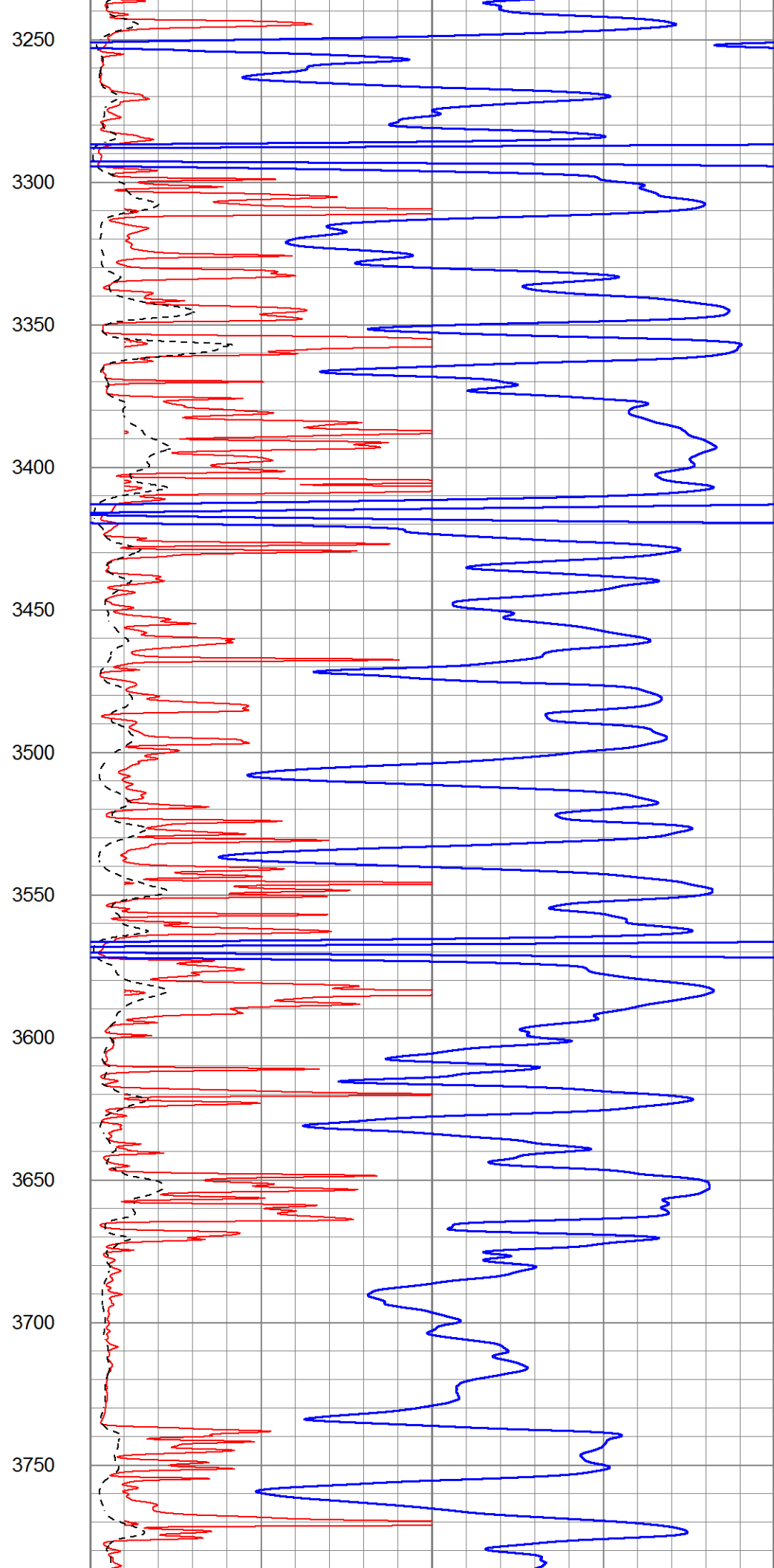
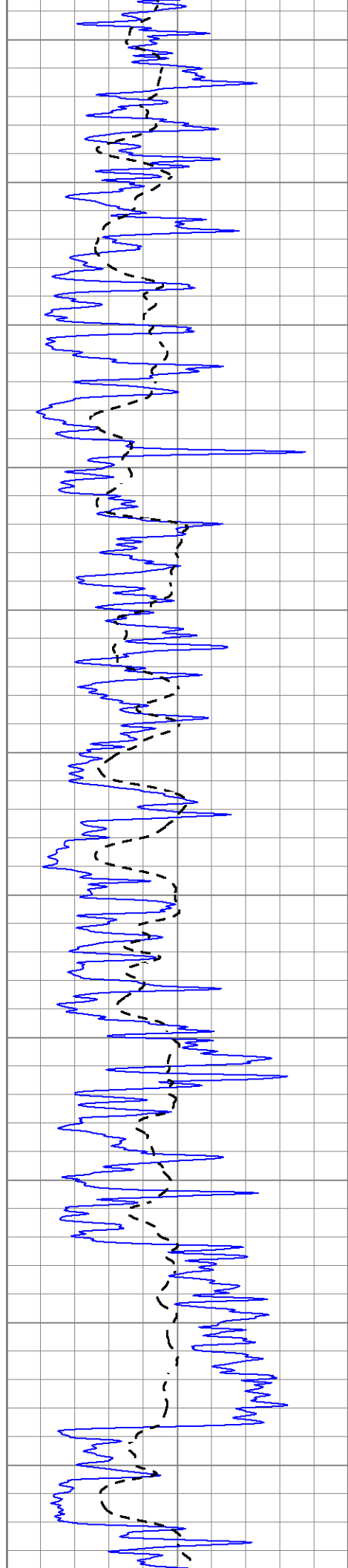


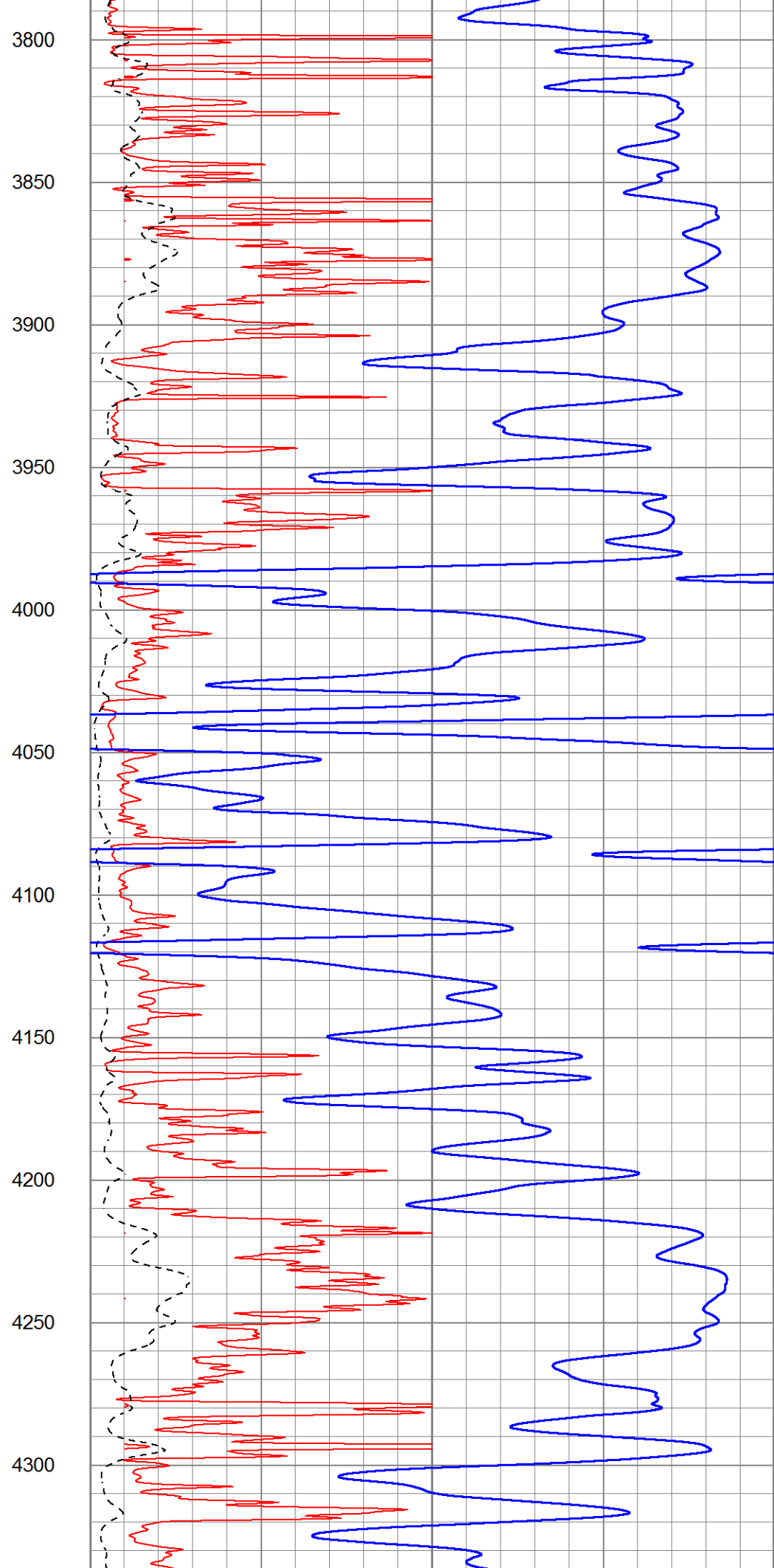
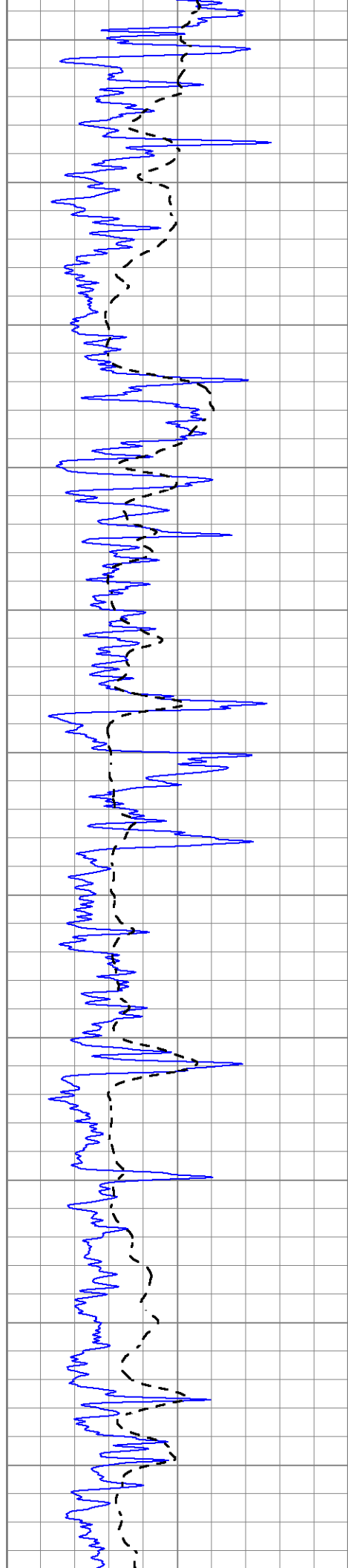


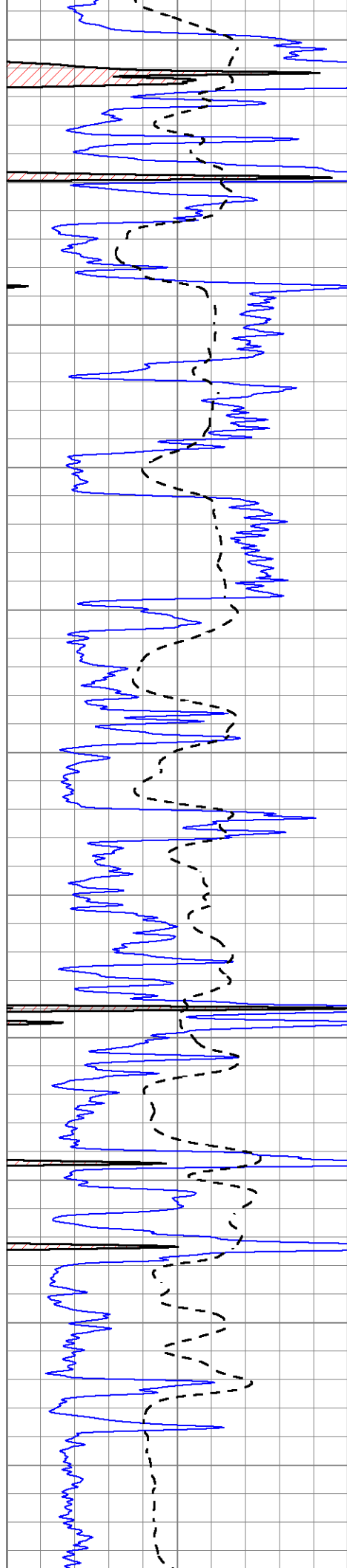












4350

4400

4450

4500

4550

4600

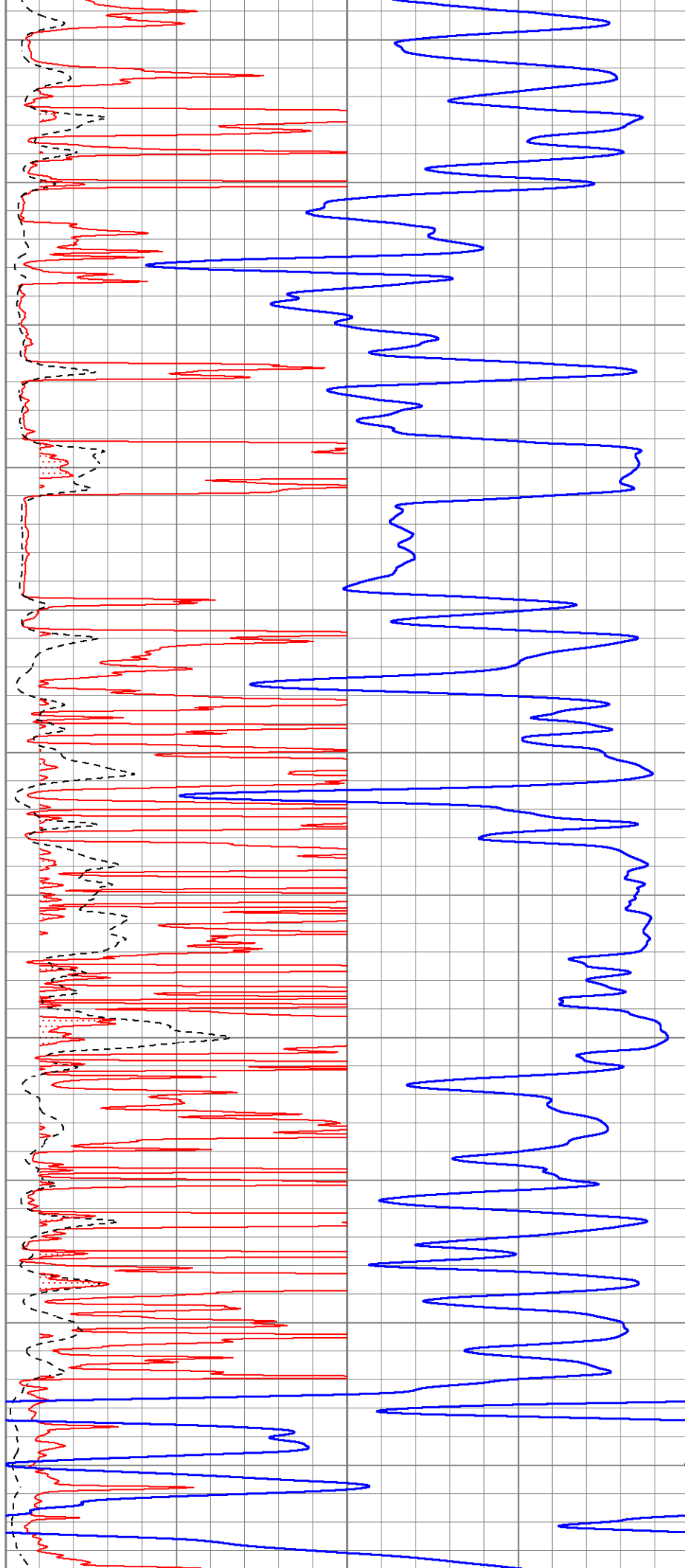
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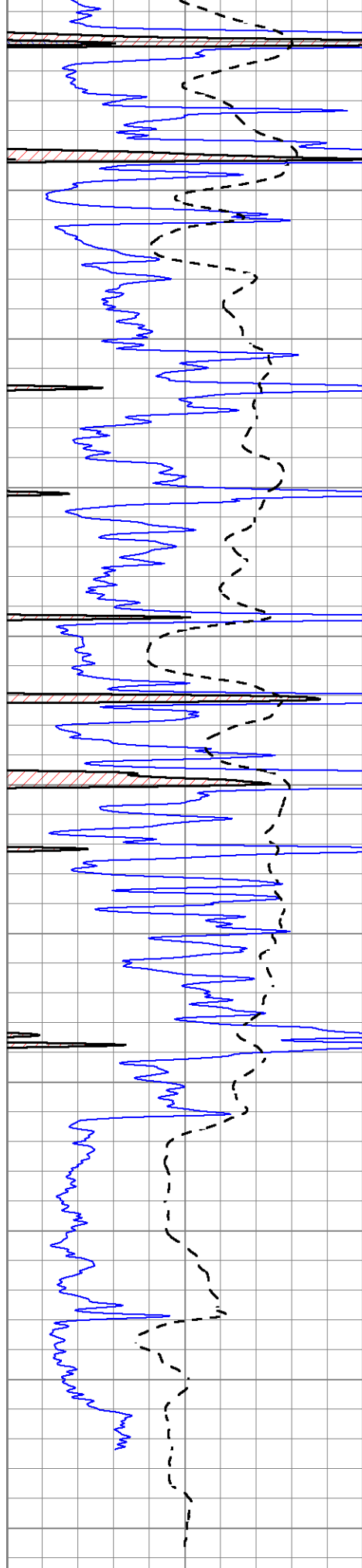
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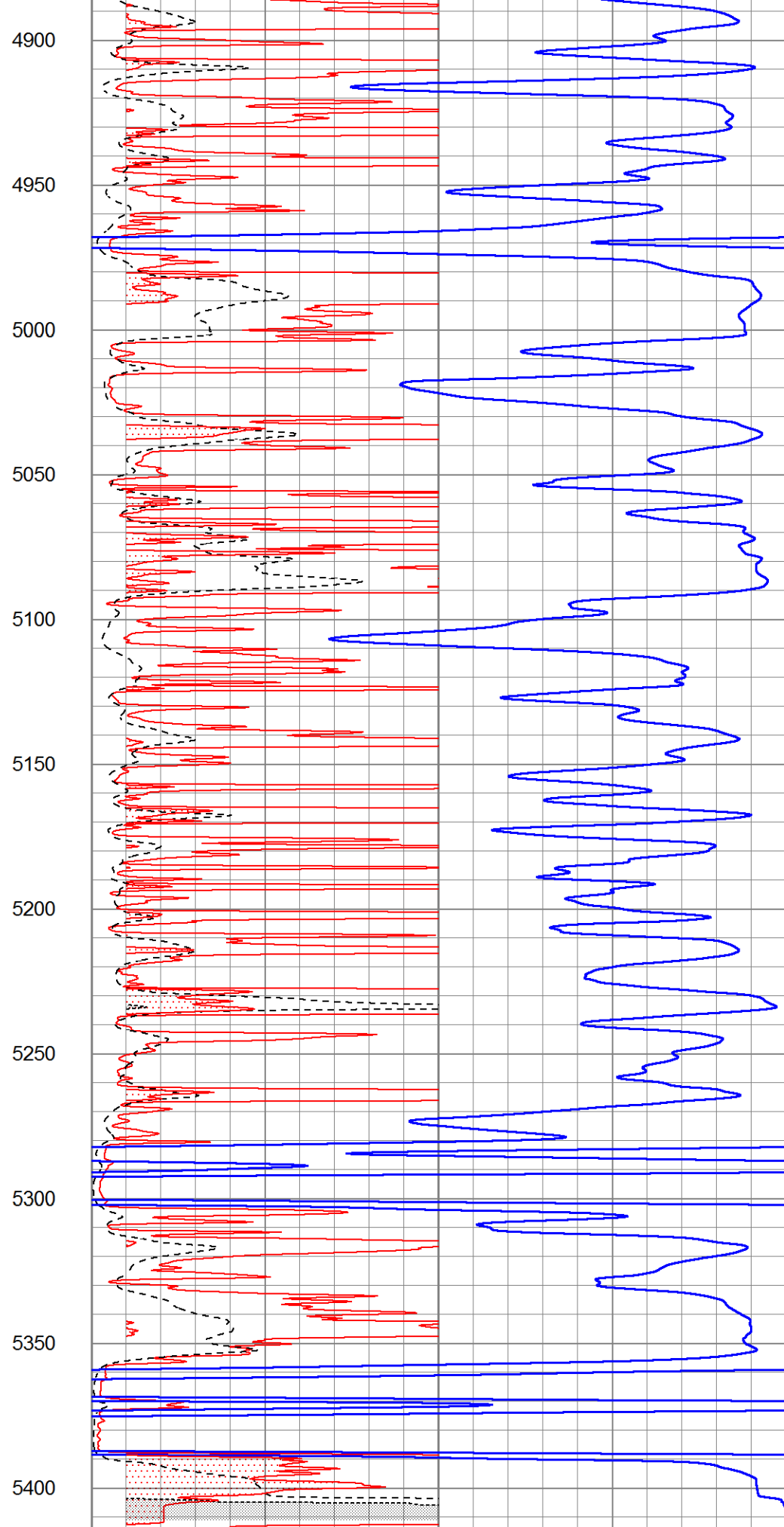
4800

4850





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



1000 CILD (mmho/m) 0
0 RI 1.3 (Ohm-m) 50

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

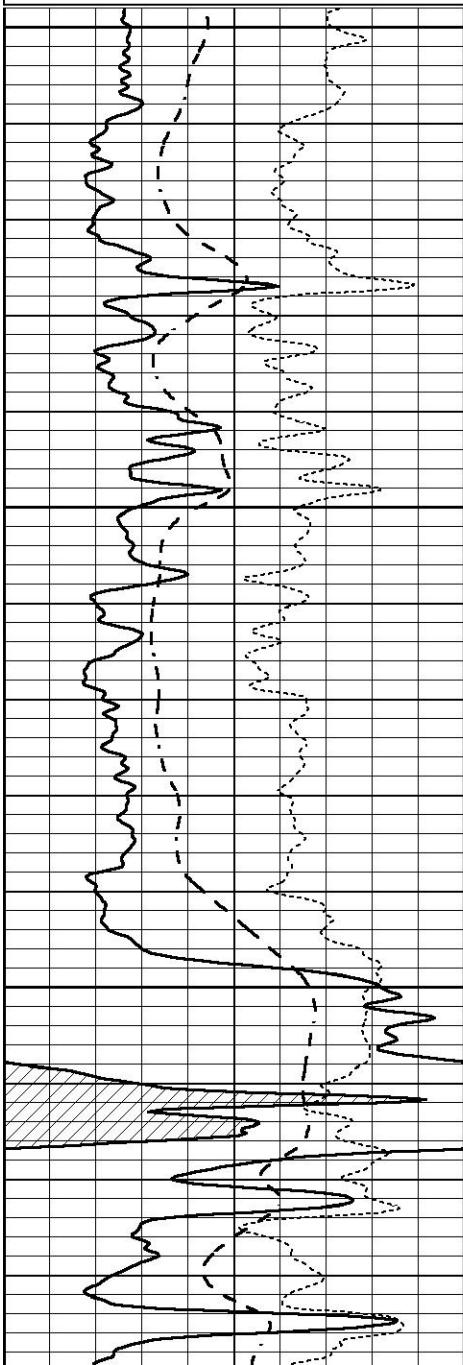


MAIN SECTION

Database File 26449pe8.db
Dataset Pathname pass3.2
Presentation Format _dil
Dataset Creation Sat Jul 11 13:01:14 2015
Charted by Depth in Feet scaled 1:240

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

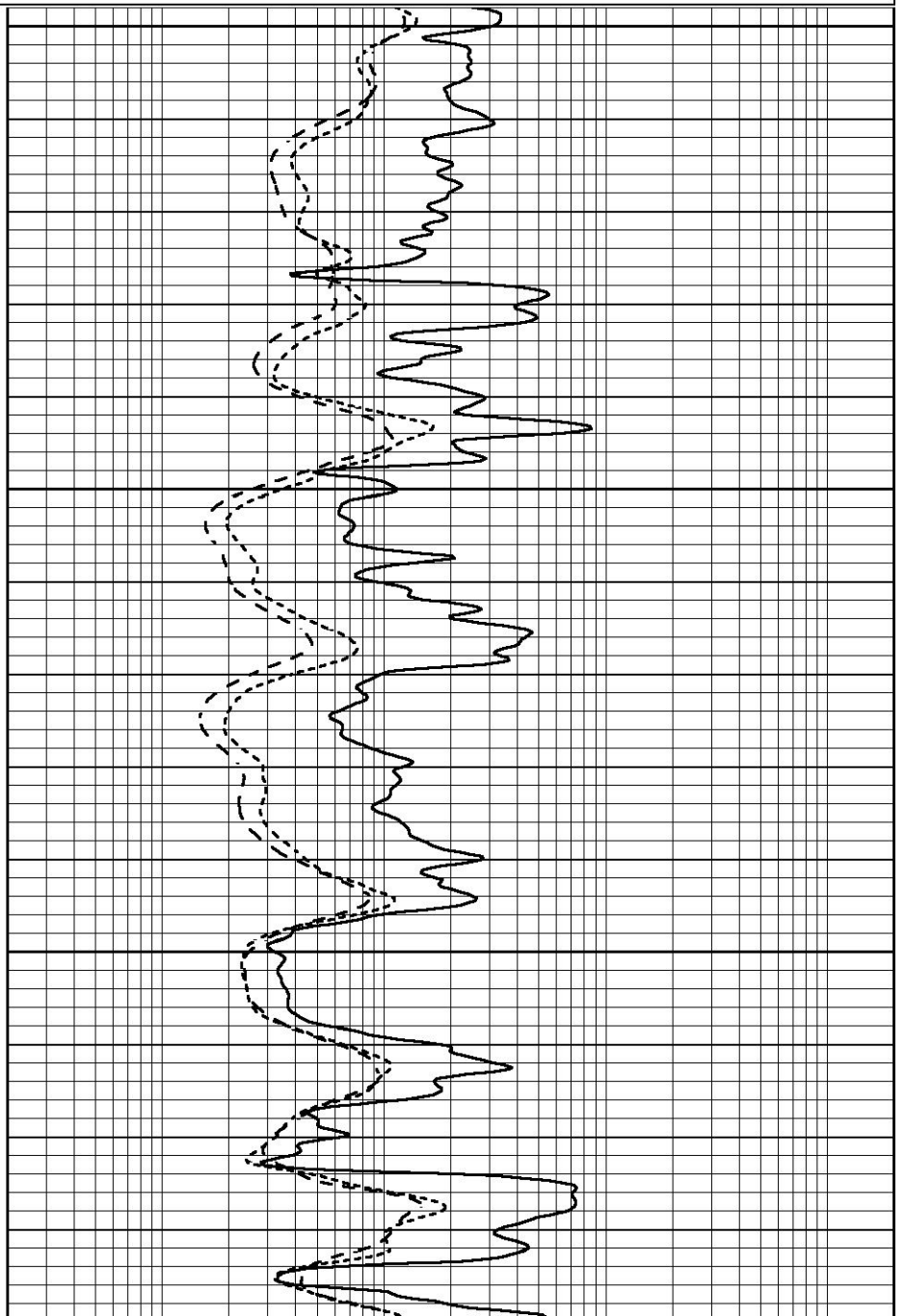
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000

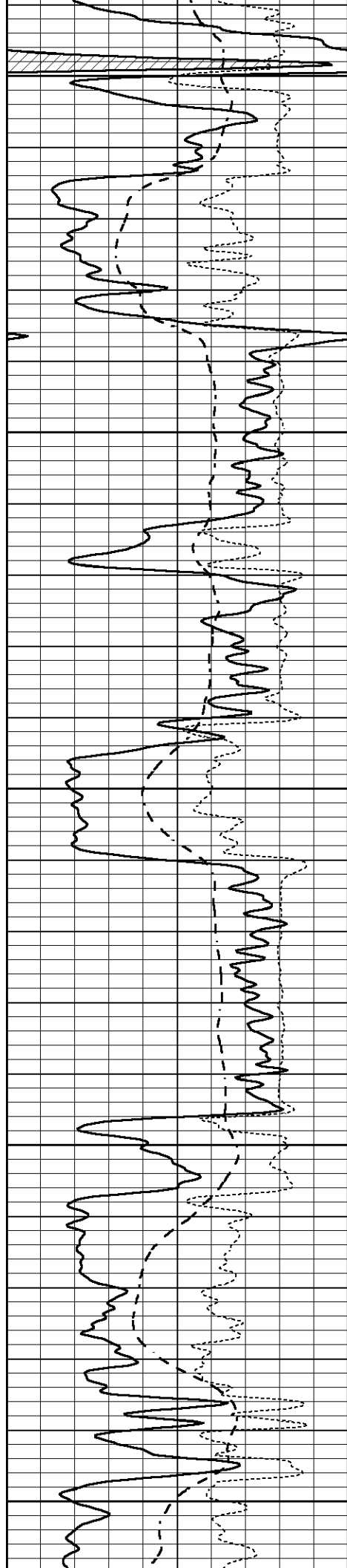


4250

4300

4350





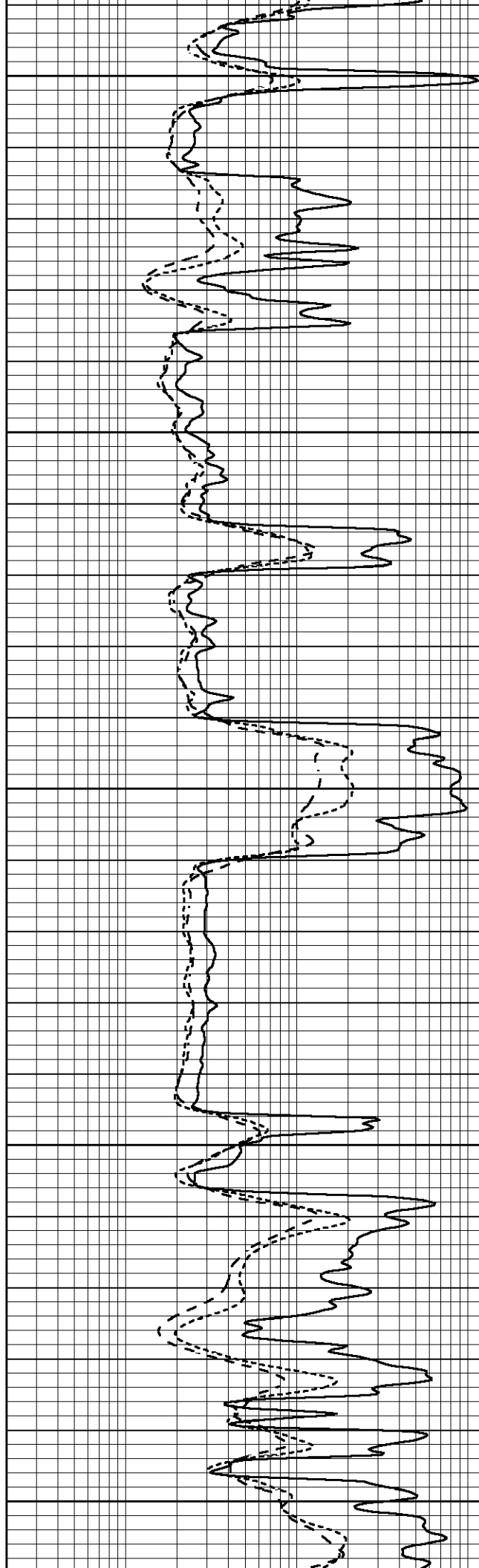
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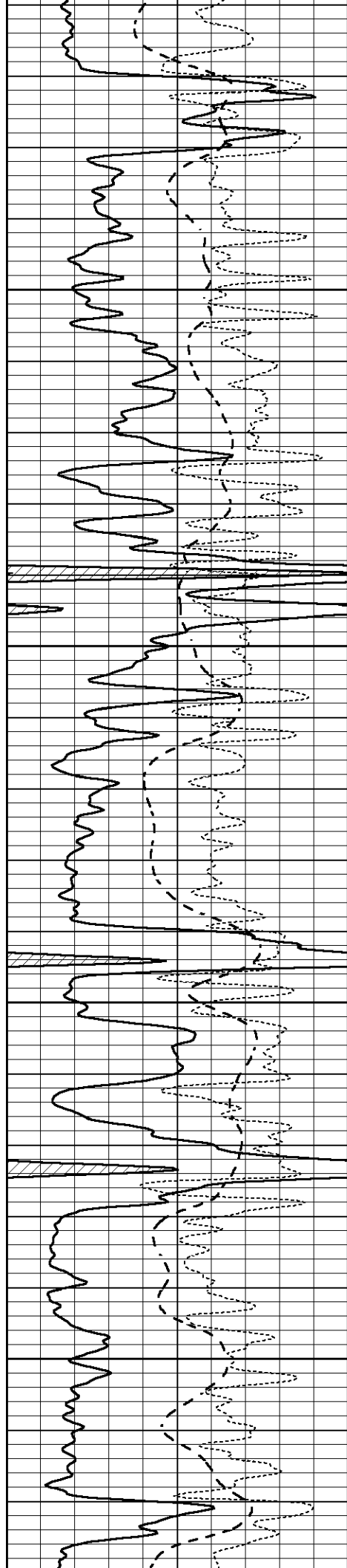
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4500

4550

4600



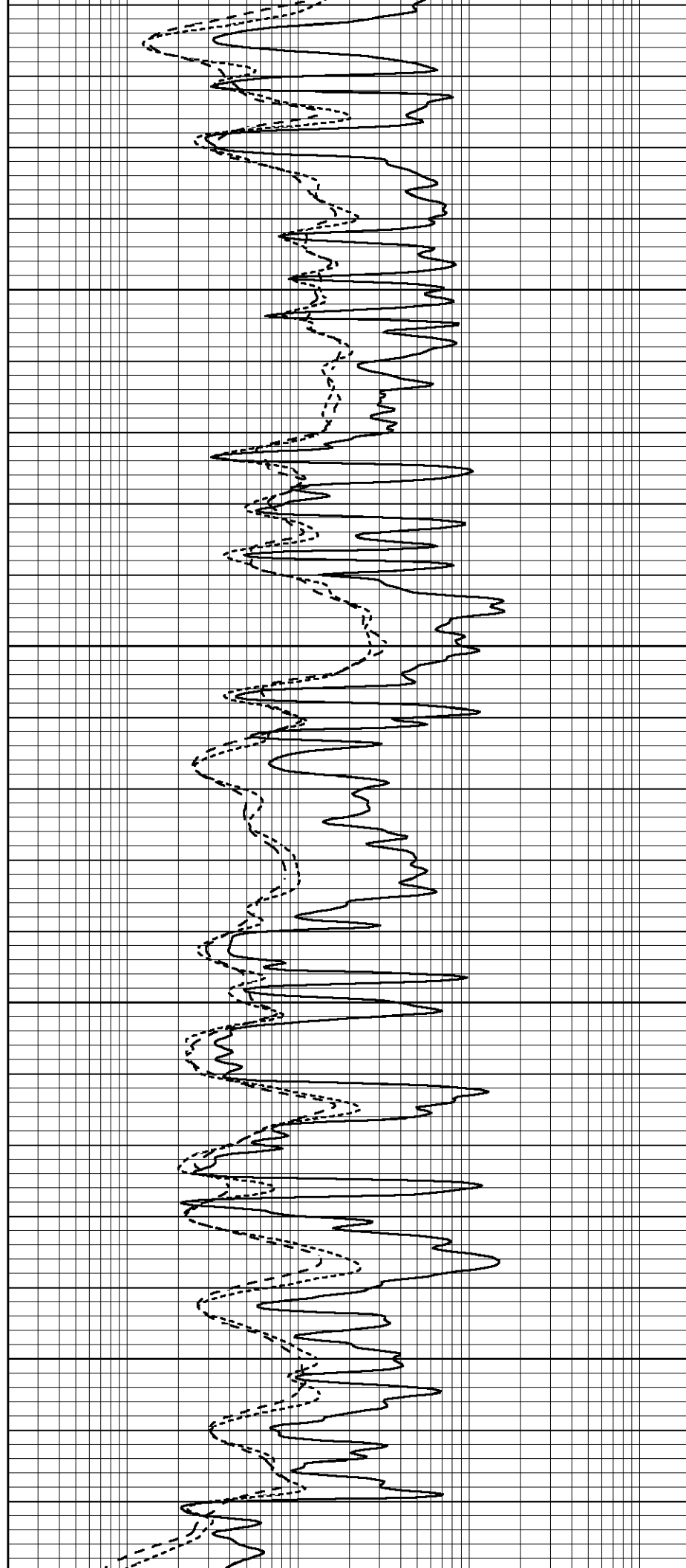


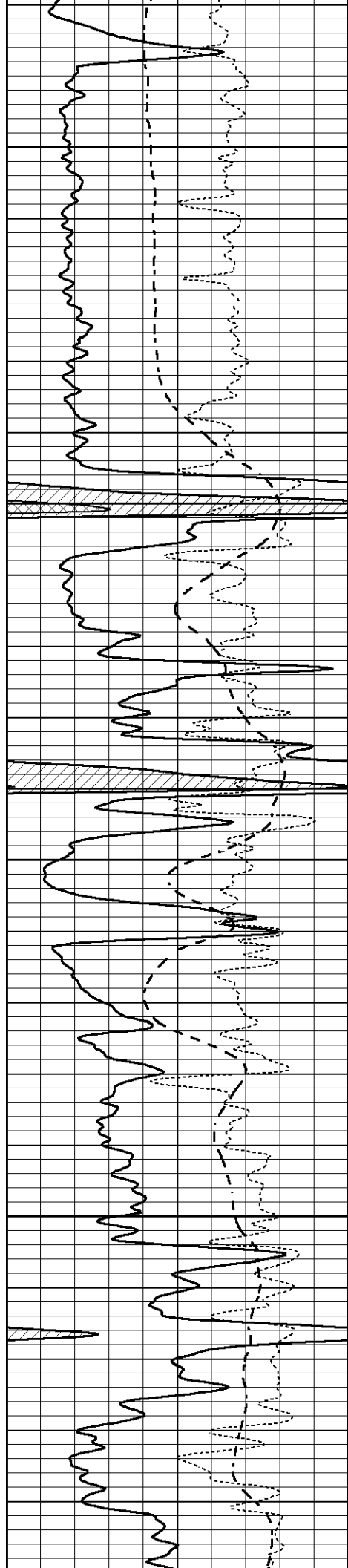
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4700

4750

4800





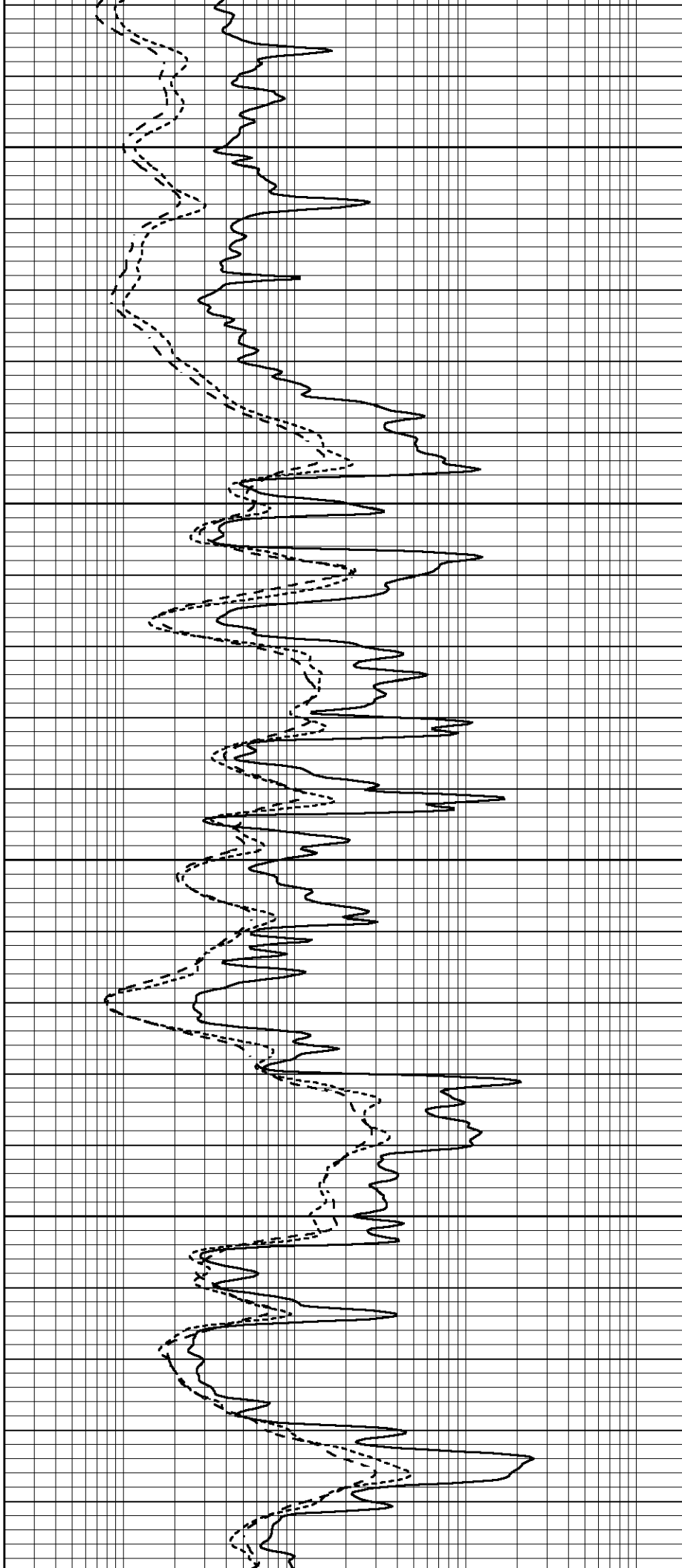
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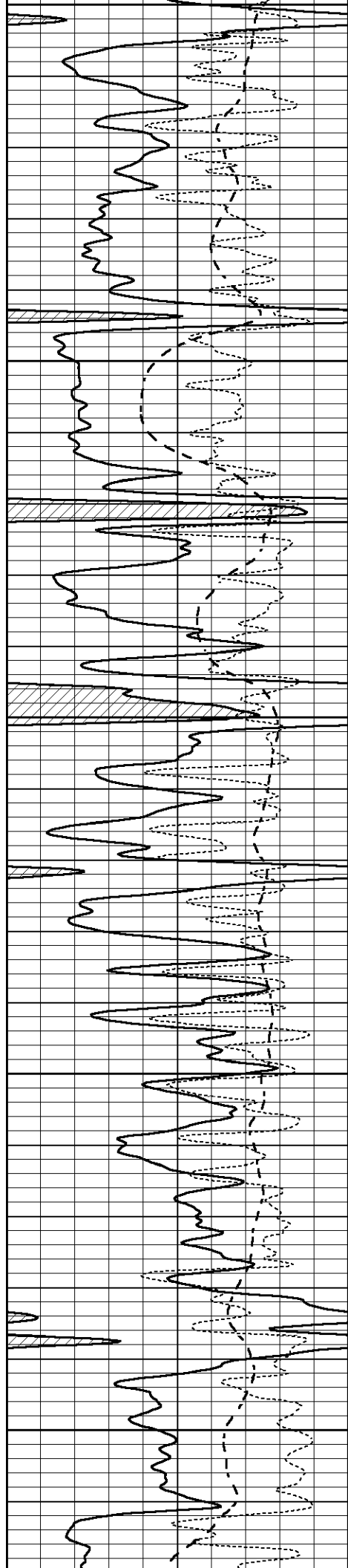
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4950

5000

5050





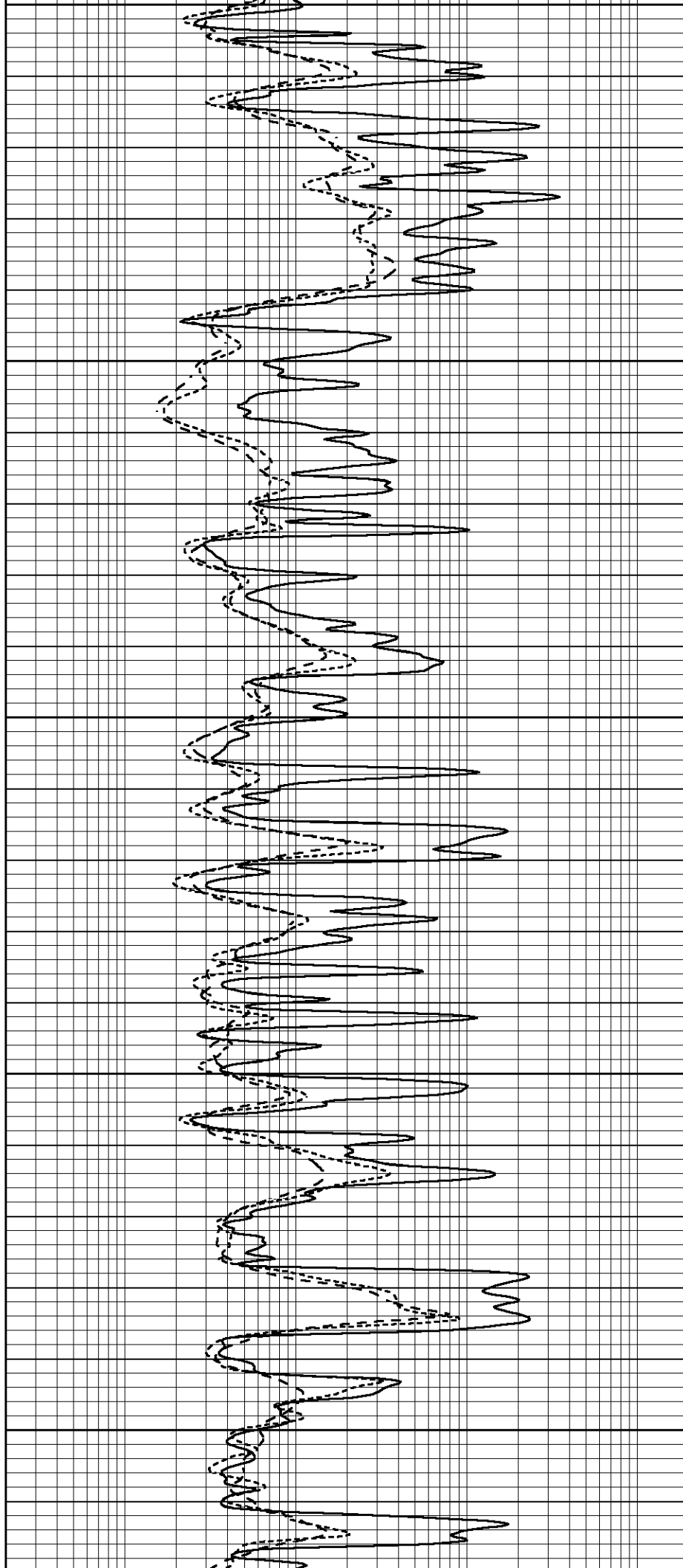
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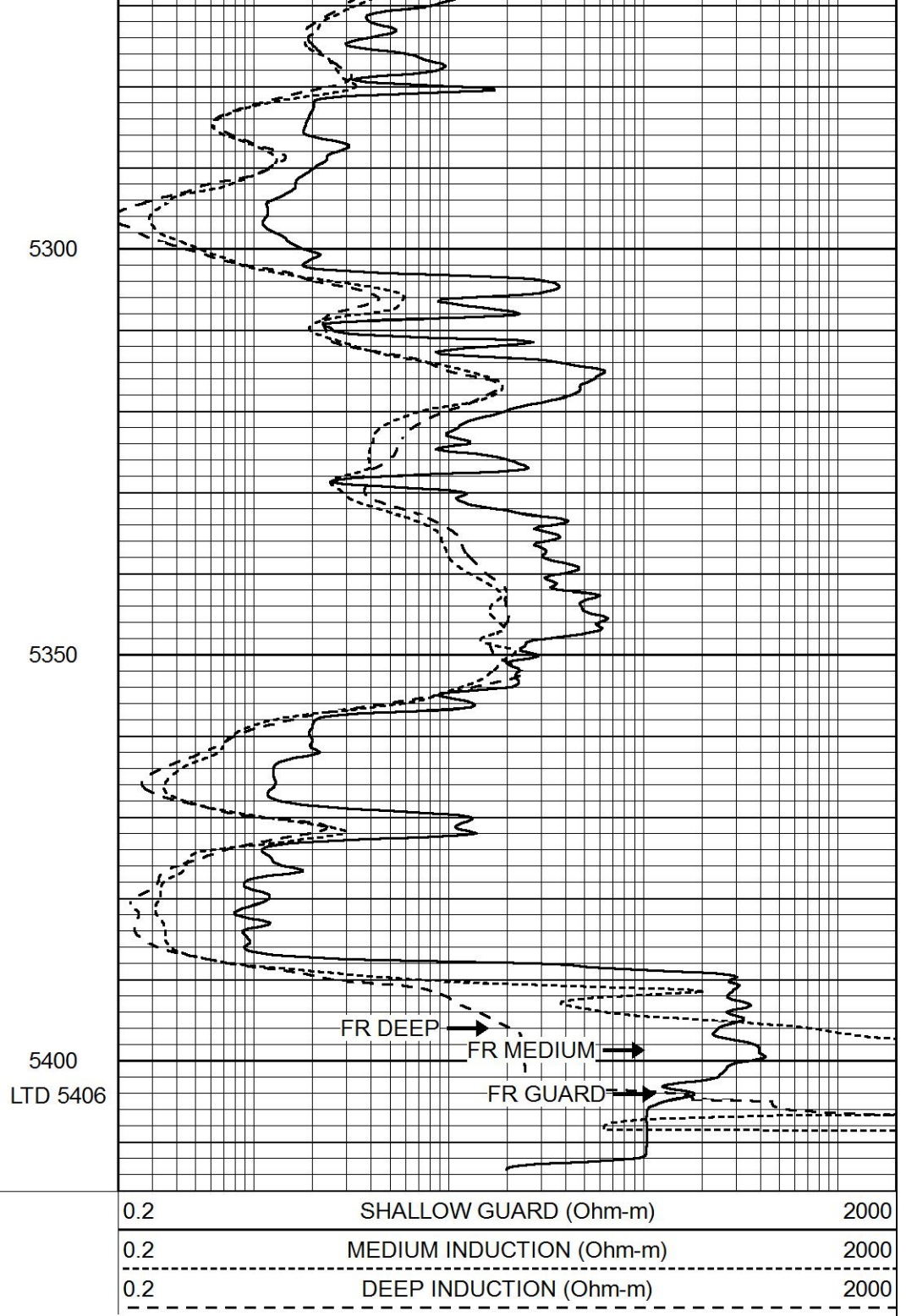
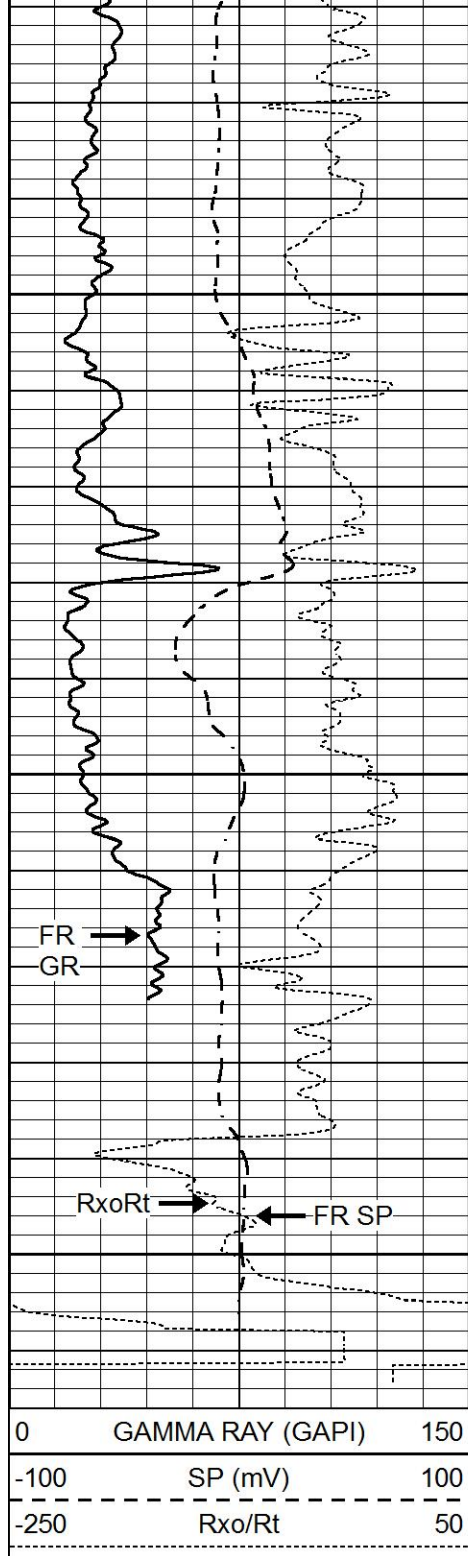
5100

5150

5200

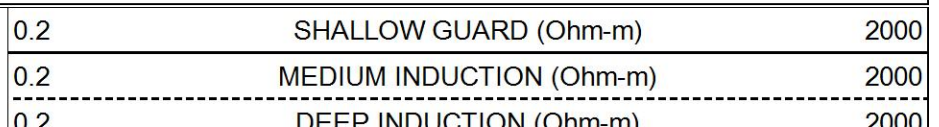
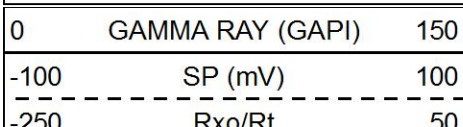
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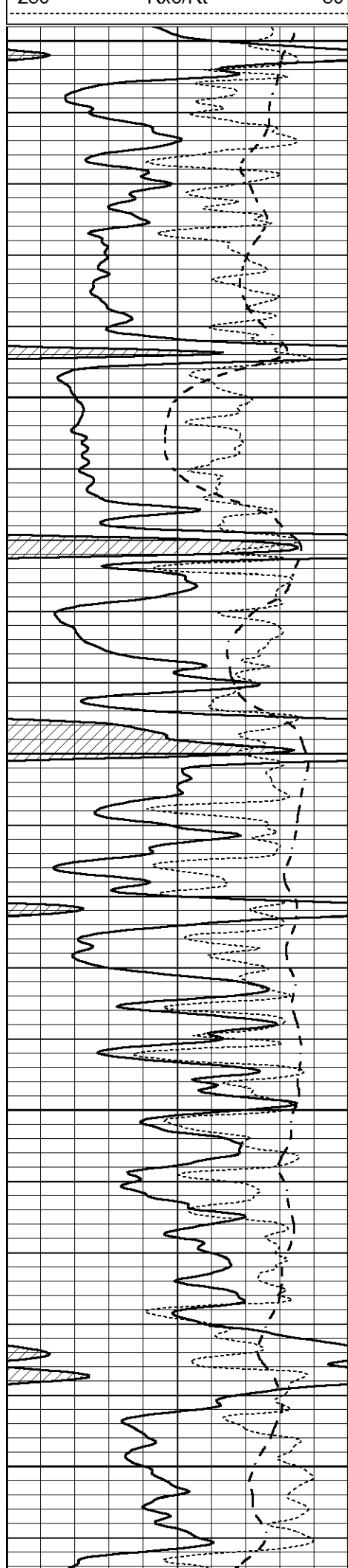




REPEAT SECTION

Database File 26449pe8.db
 Dataset Pathname pass2.1
 Presentation Format _dil
 Dataset Creation Sat Jul 11 11:53:38 2015
 Charted by Depth in Feet scaled 1:240





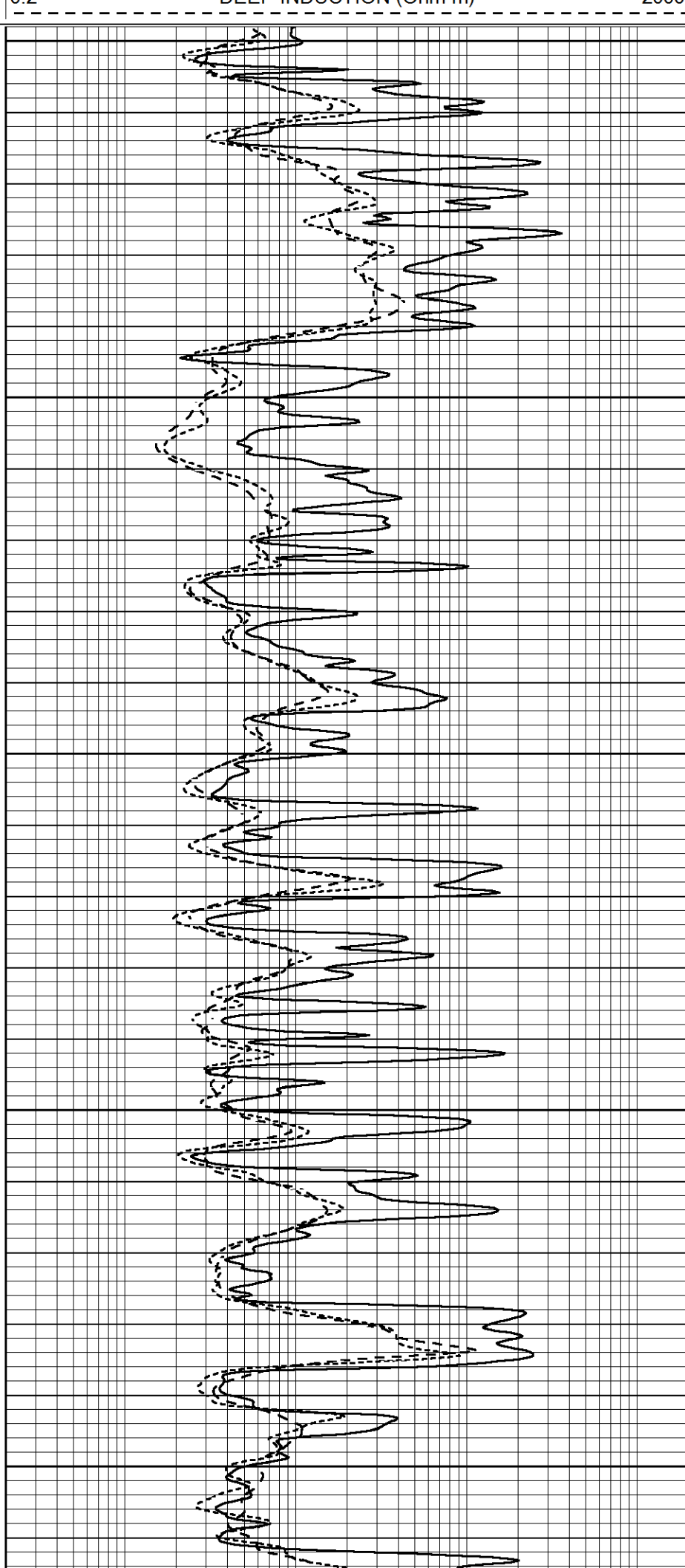
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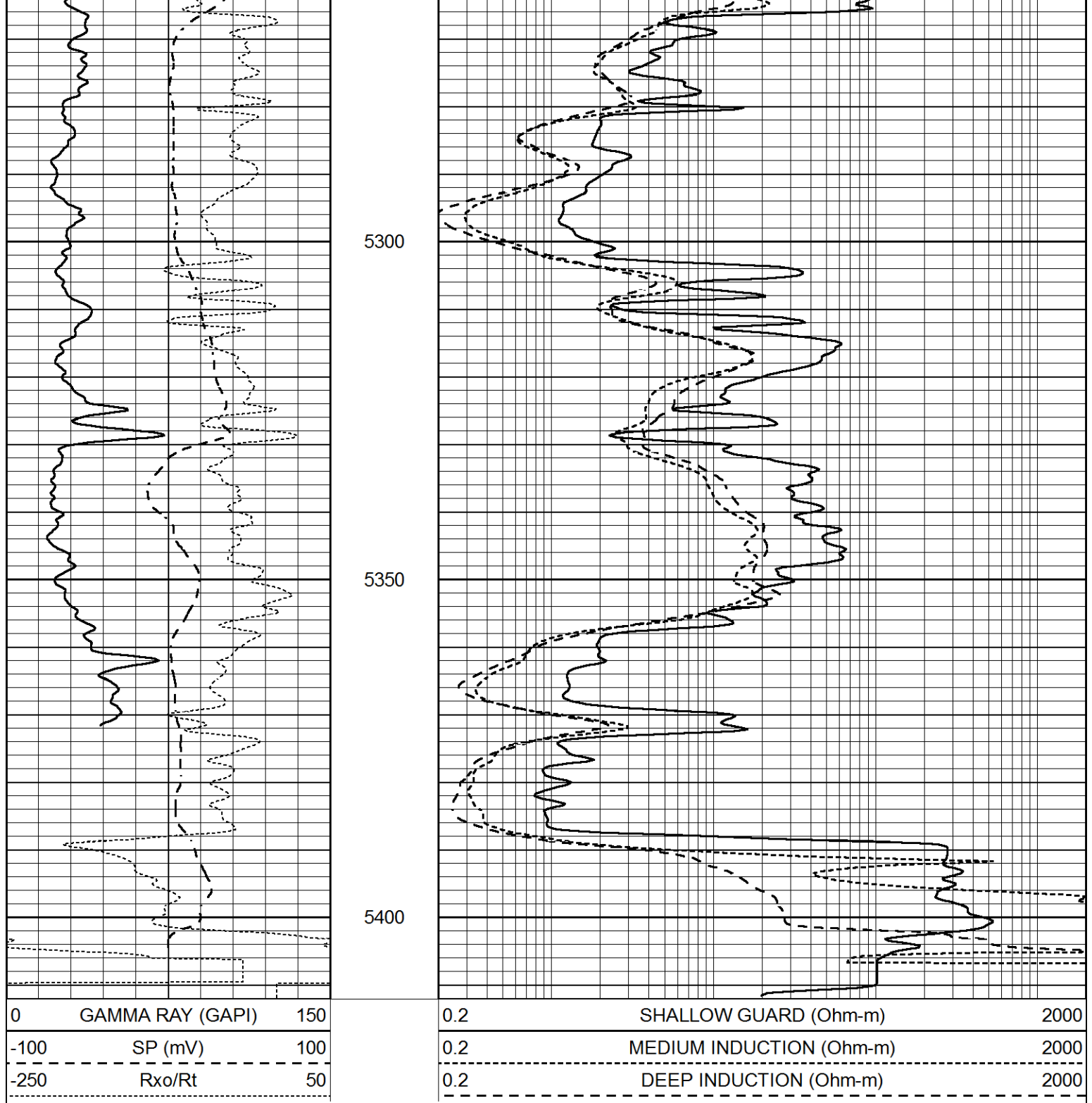
5100

5150

5200

5250





Calibration Report

Database File 26449pe8.db
Dataset Pathname pass3.3
Dataset Creation Sat Jul 11 13:34:39 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

Readings

References

Results

Loop:	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			
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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:	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