



DUAL INDUCTION LOG

Company	RAYMOND OIL COMPANY, INC.		
Well	#1 YORK		
Field	WILDCAT		
County	LANE		
State	KANSAS		
Location:	API # : 15-101-22675-0000		Other Services CDL/CNL MEL/SON
Permanent Datum	GROUND LEVEL		Elevation 2672
Log Measured From	KELLY BUSHING 5' A.G.L.		K.B. 2677 D.F. 2675 G.L. 2672
Drilling Measured From	KELLY BUSHING		
Date	9/17/22		
Run Number	ONE		
Depth Driller	4674		
Depth Logger	4674		
Bottom Logged Interval	4672		
Top Log Interval	00		
Casing Driller	8 5/8"@260'		
Casing Logger	260		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD		CHLORIDES 2,950 PPM
Density / Viscosity	9.6/47		
pH / Fluid Loss	11.0/8.4		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.00@82F		
Rmf @ Meas. Temp	.750@82F		
Rmc @ Meas. Temp	1.20@82F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.672@122F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	5.30 A.M.		
Maximum Recorded Temperature	122F		
Equipment Number	922339		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	KIM SHOEMAKER		

<<< Fold Here >>>

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.

15-101-22675-0000

Comments

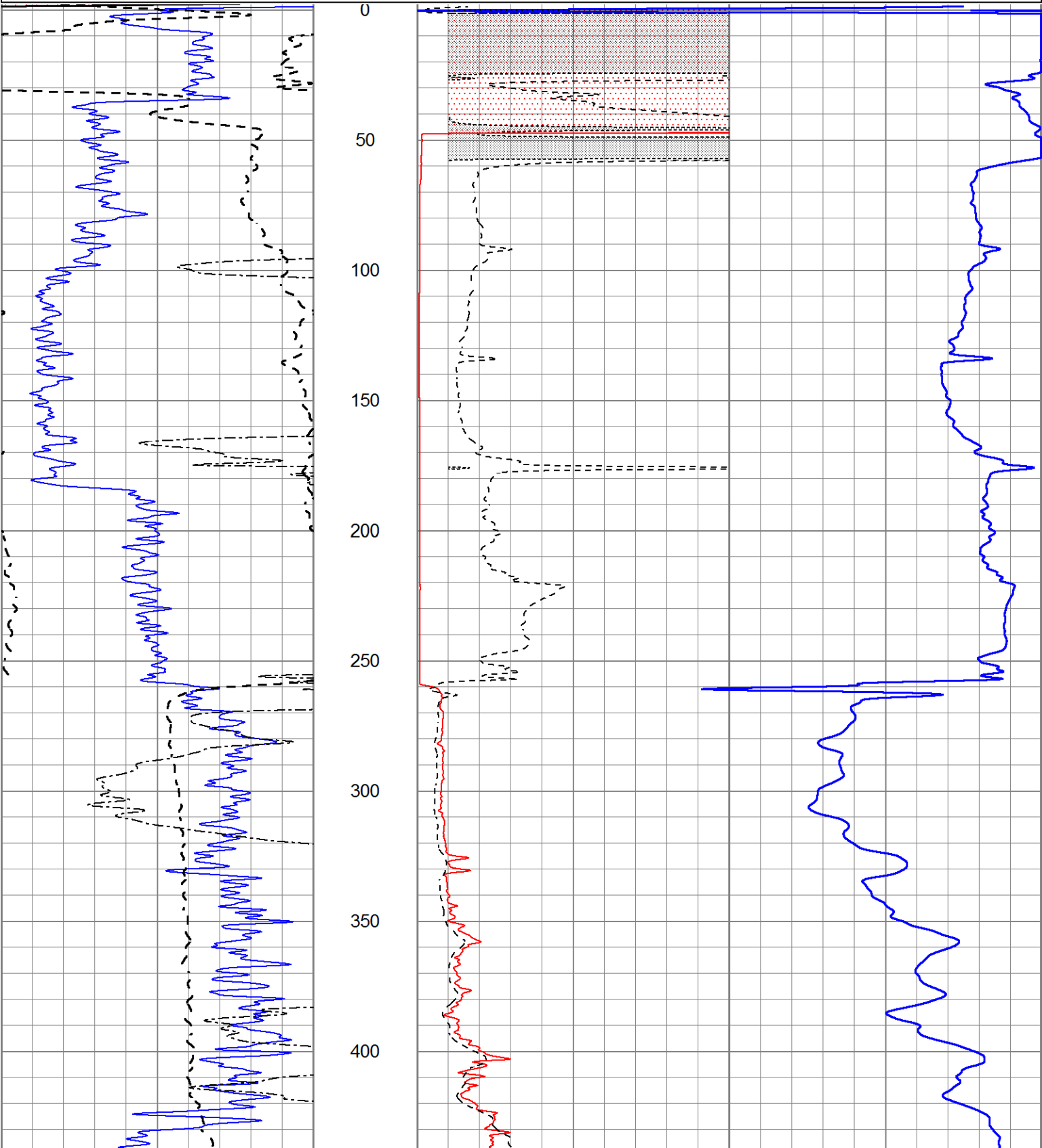
THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395
DIRECTIONS

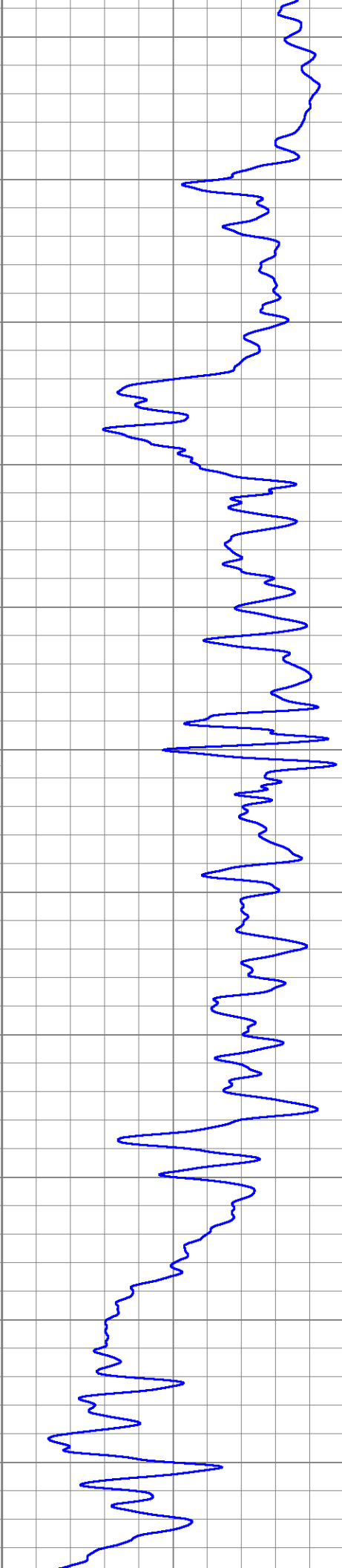
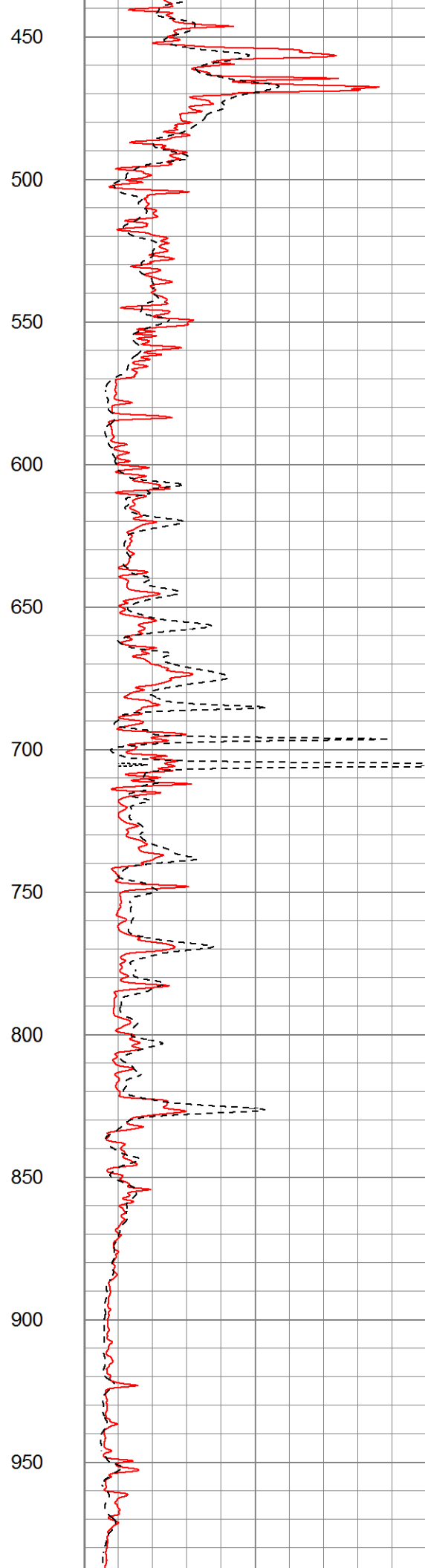
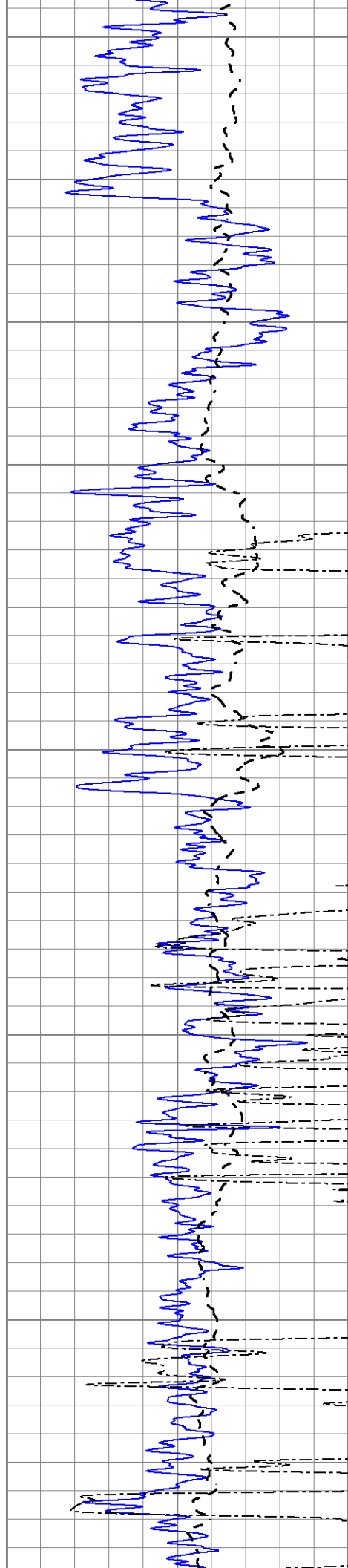
DIGHTON, KS., 9S. ON HWY 23 TO "60TH RD.", 4E. TO "OGALLAH RD.", 1 1/4S. TO FARM, E. INTO

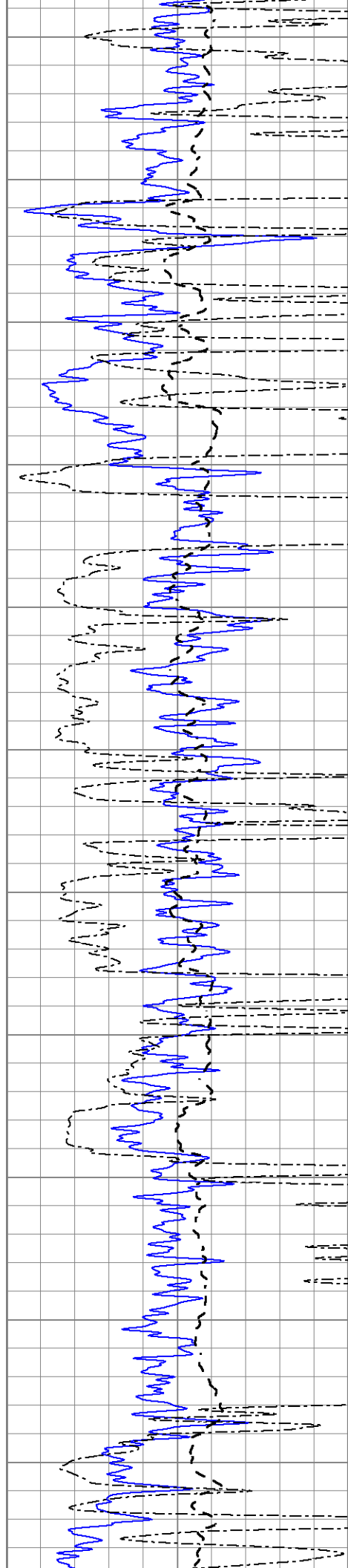


MAIN SECTION

0	Gamma Ray (GAPI)	150	1000	CILD (mmho/m)	0
-100	SP (mV)	100	0	RLL3 (Ohm-m)	50
0	RWA (Ohm-m)	1	0	RILD (Ohm-m)	50
			50	RILD X10 (Ohm-m)	500
			50	RLL3 X10 (Ohm-m)	500







1000

1050

1100

1150

1200

1250

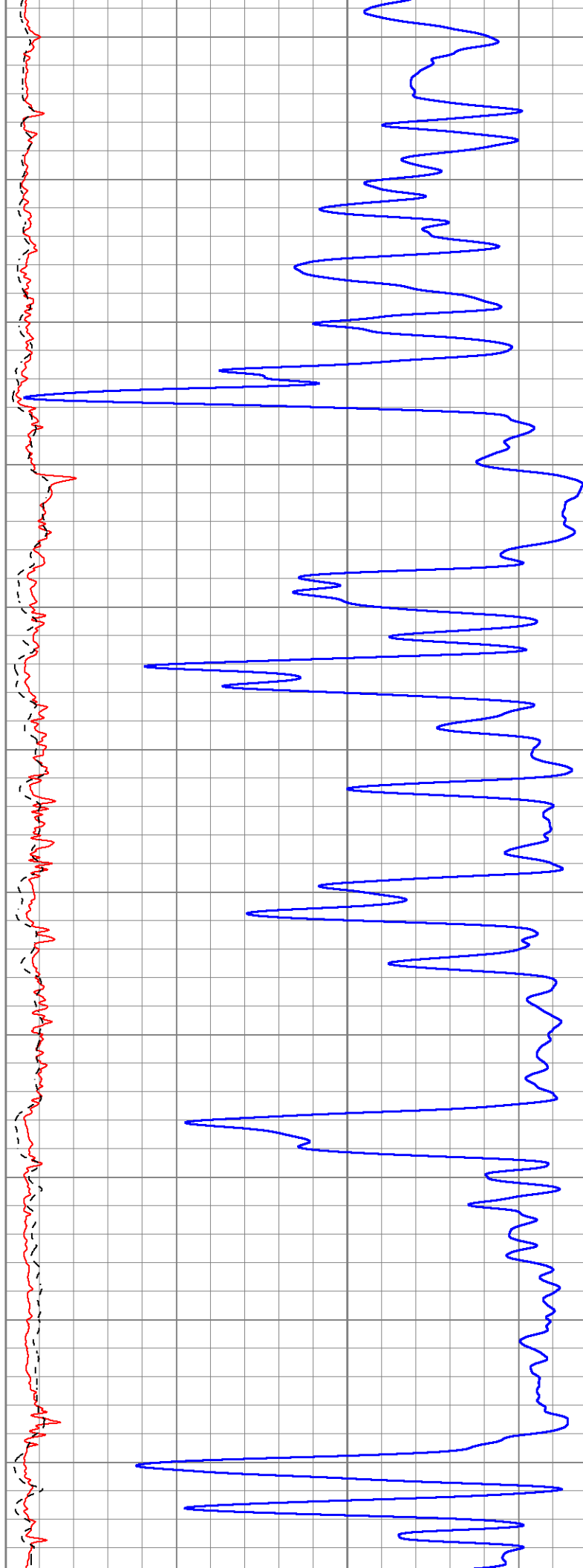
1300

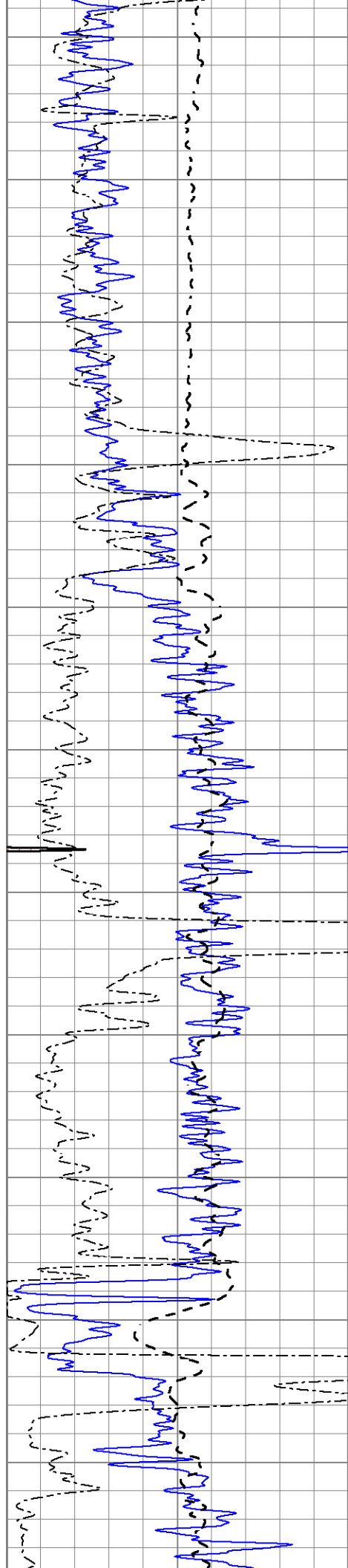
1350

1400

1450

1500





1550

1600

1650

1700

1750

1800

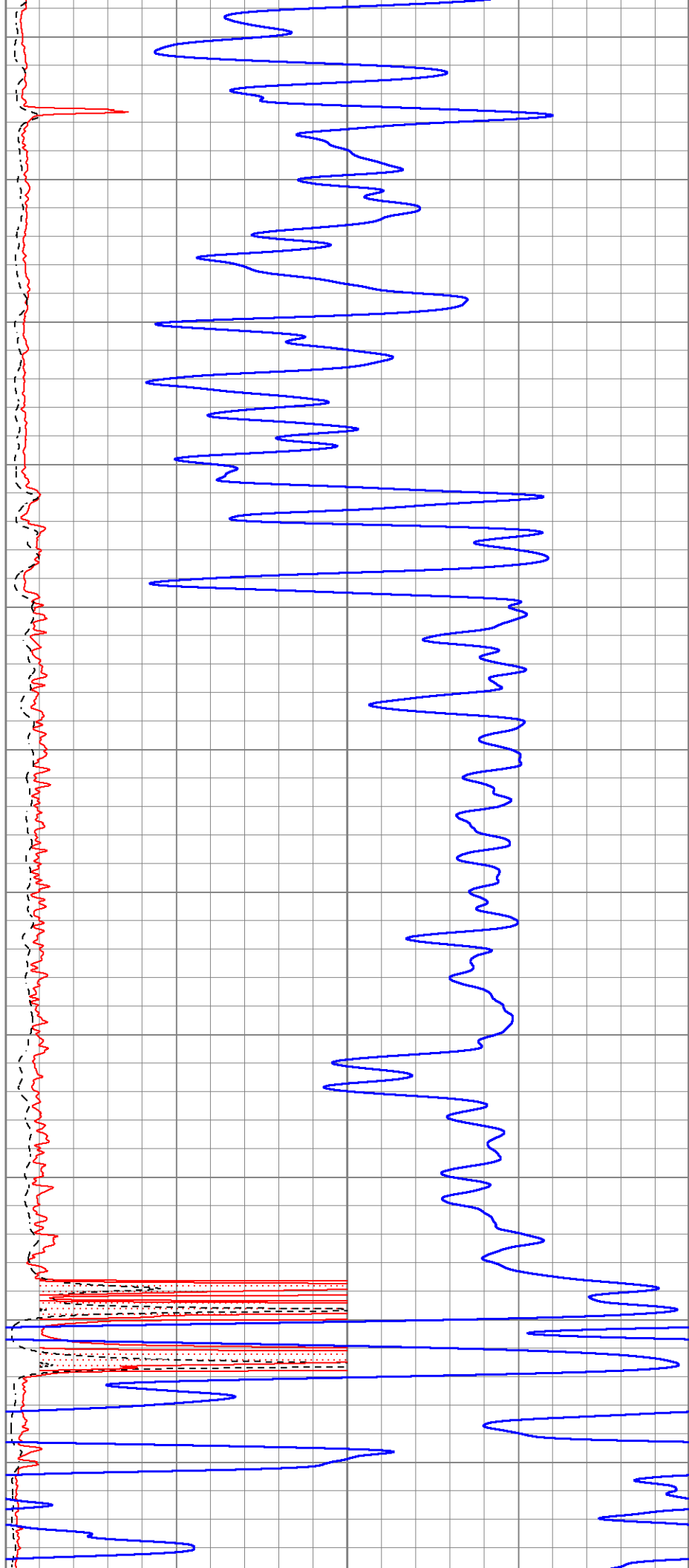
1850

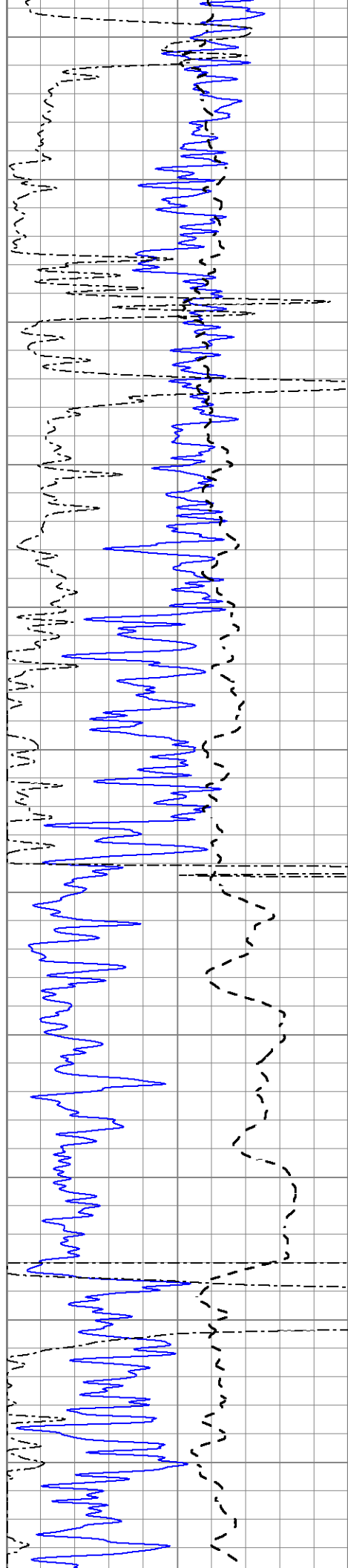
1900

1950

2000

2050





2100

2150

2200

2250

2300

2350

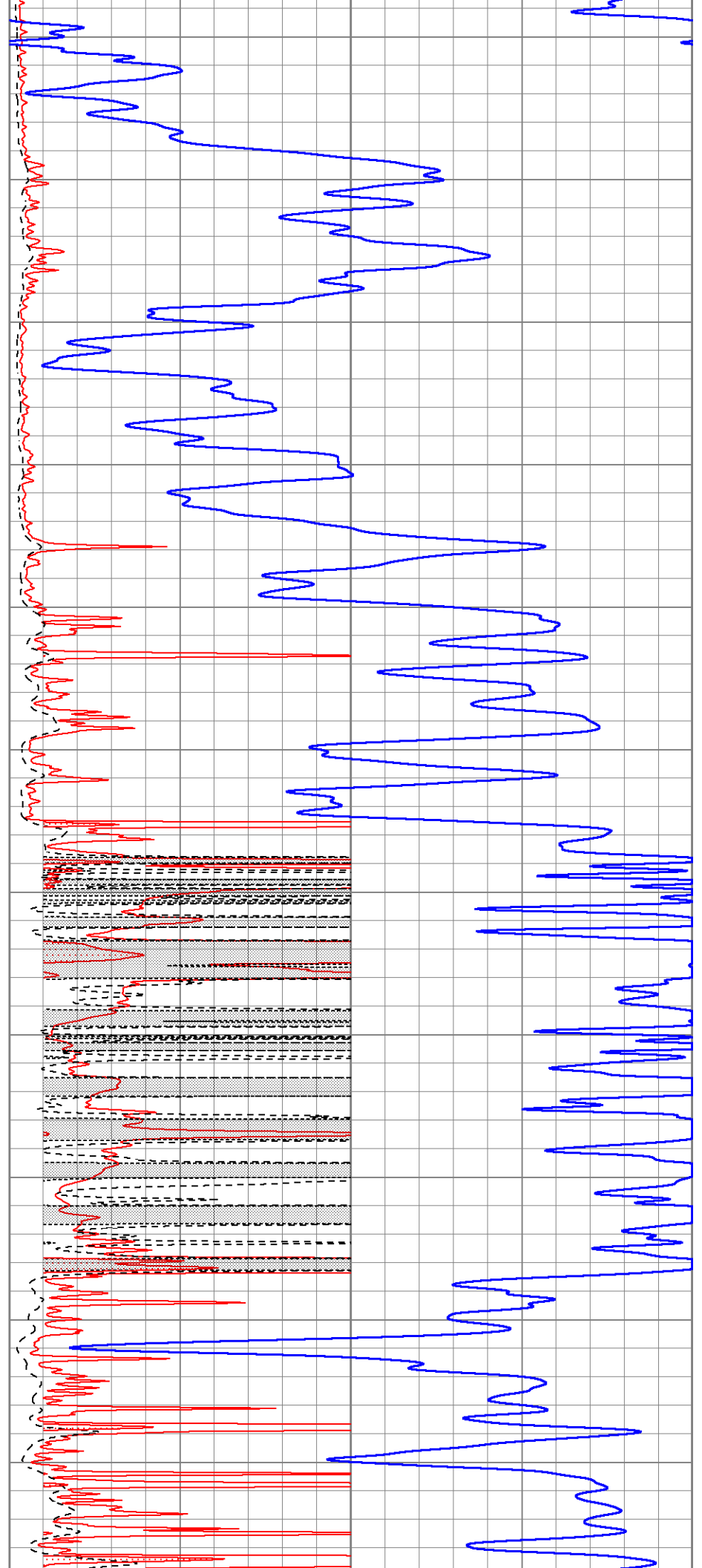
2400

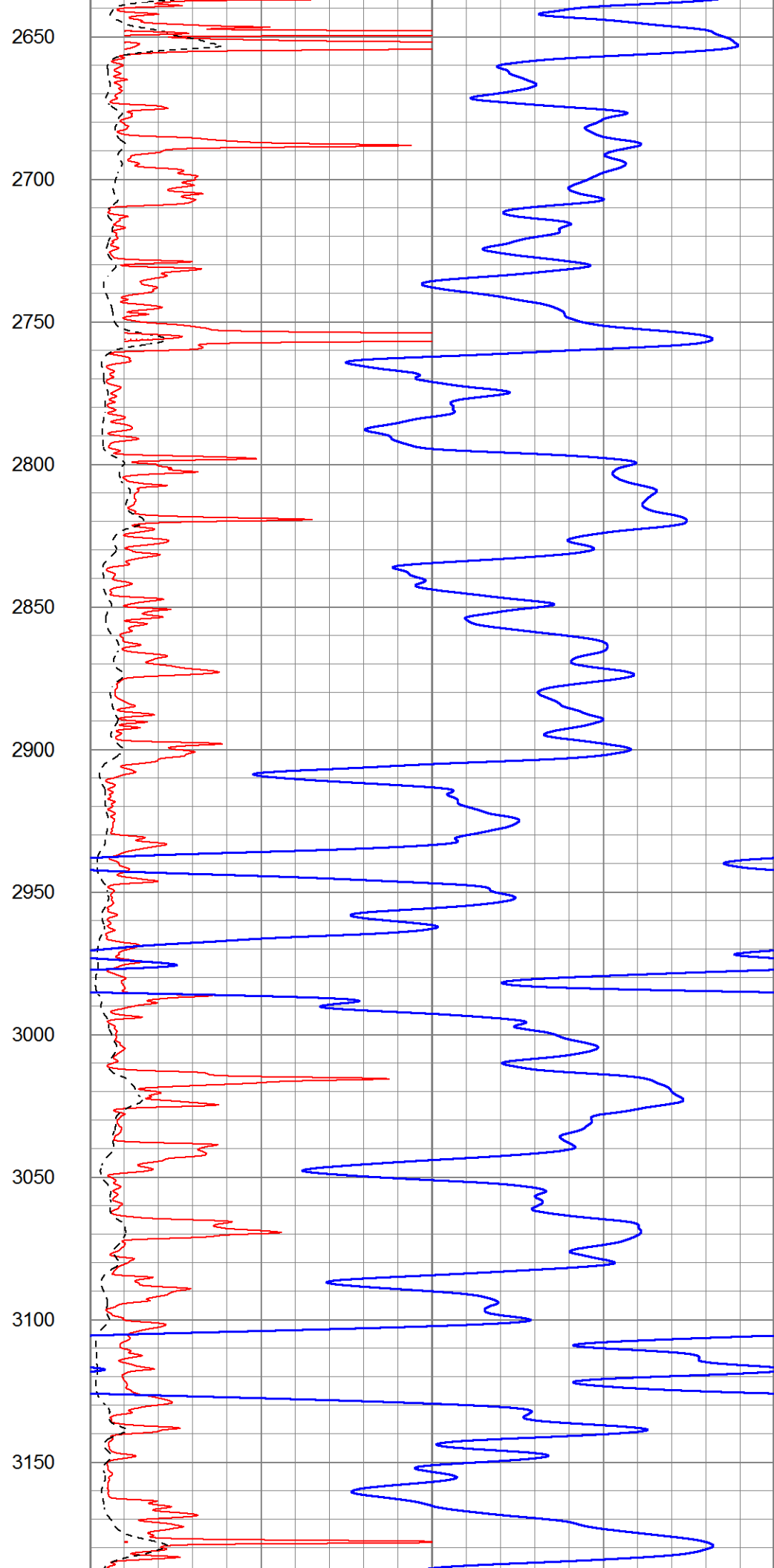
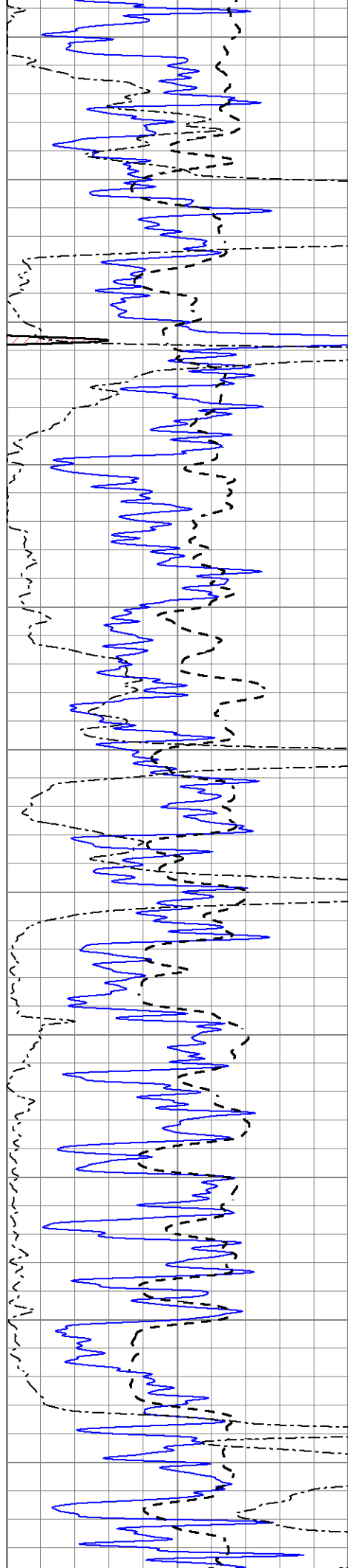
2450

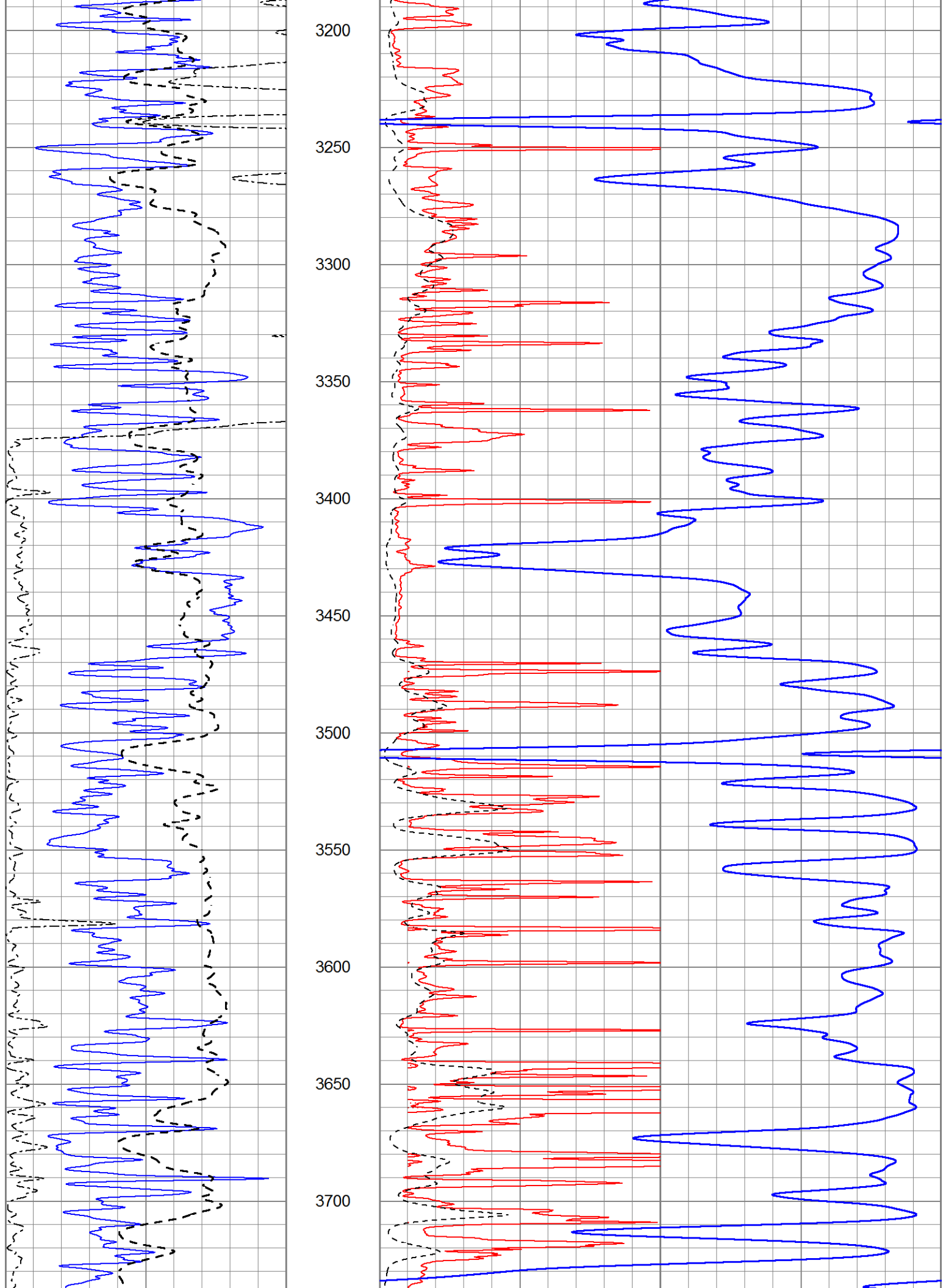
2500

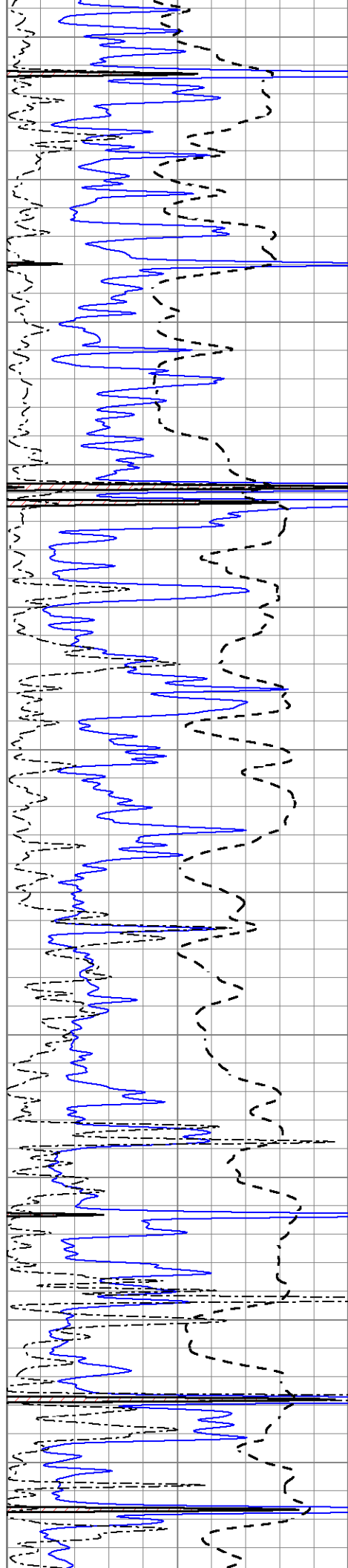
2550

2600









3750

3800

3850

3900

3950

4000

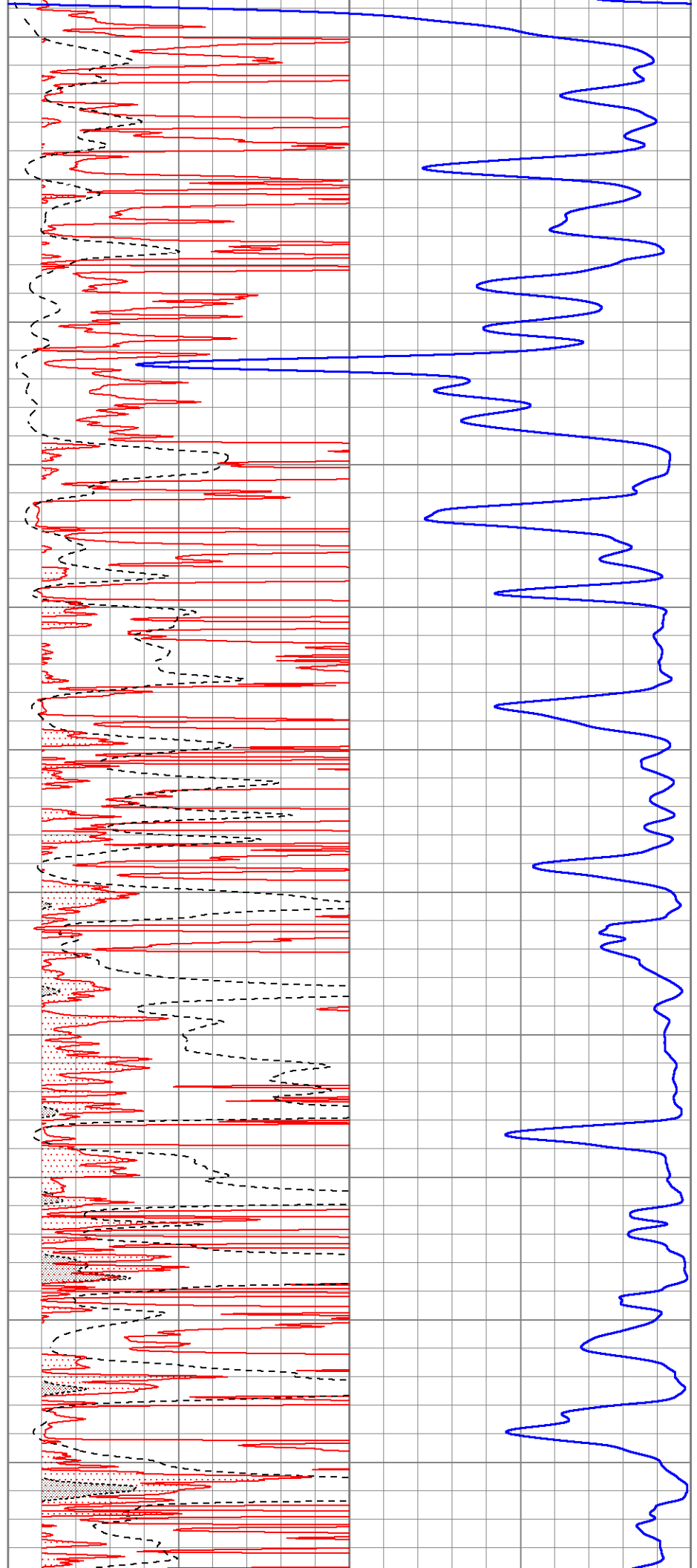
4050

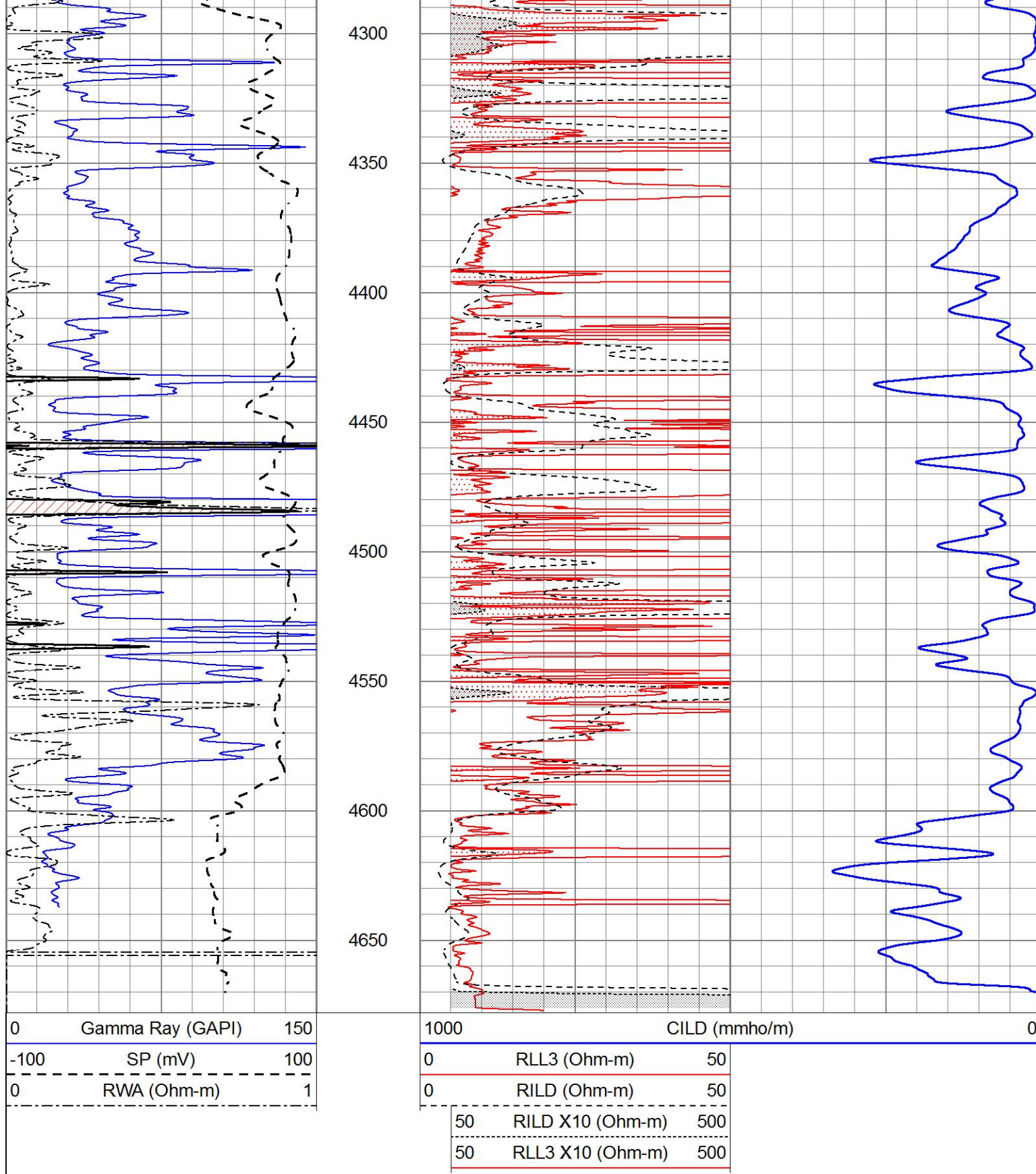
4100

4150

4200

4250

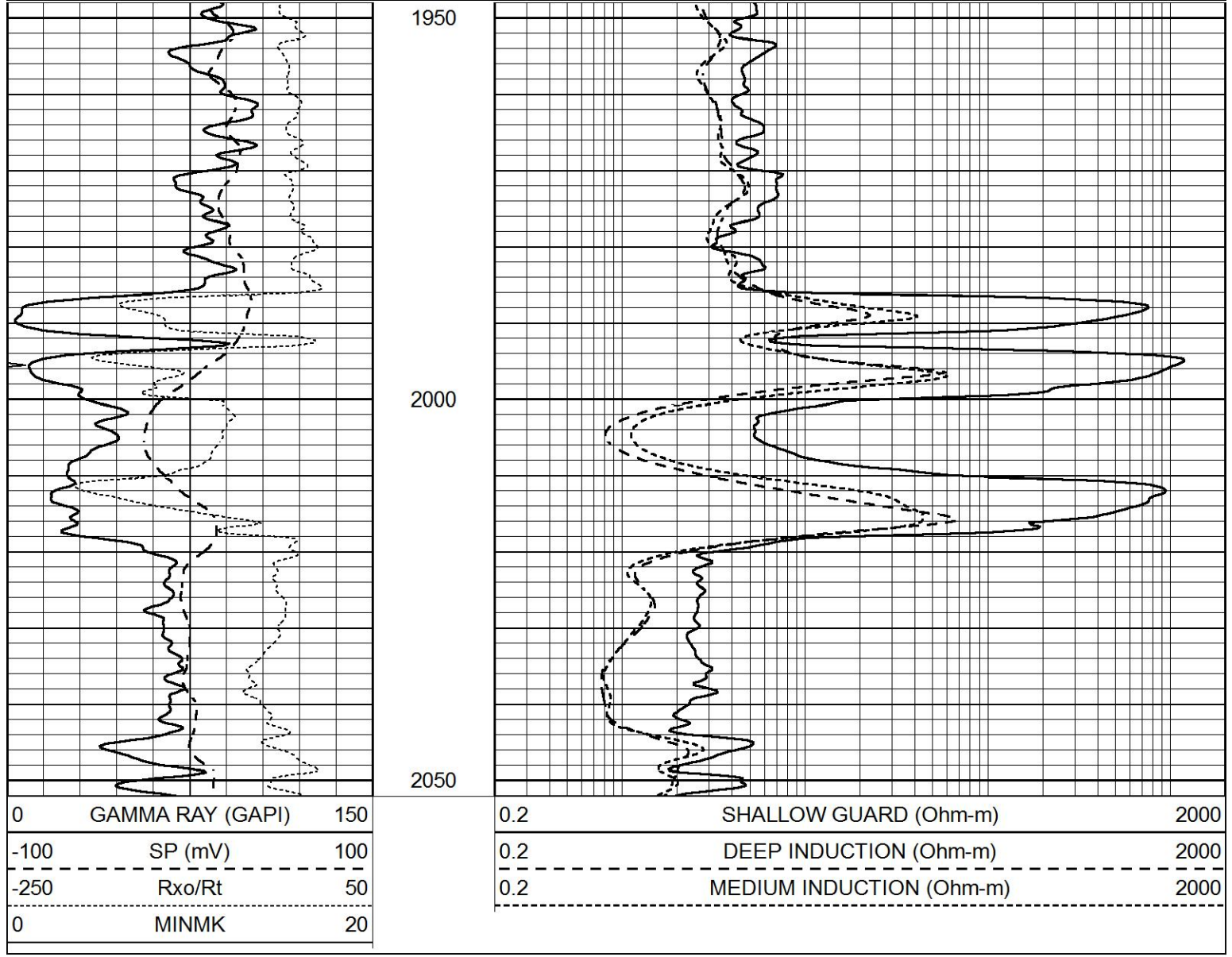




ANHYDRITE

Database File 7077ddn.db
 Dataset Pathname pass3.1A
 Presentation Format _dil
 Dataset Creation Sat Sep 17 07:09:39 2022

Dataset Creation Sat Sep 17 07:05:35 2022			Charted by Depth in Feet scaled 1:240		
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			





MAIN SECTION

Database File 7077ddn.db

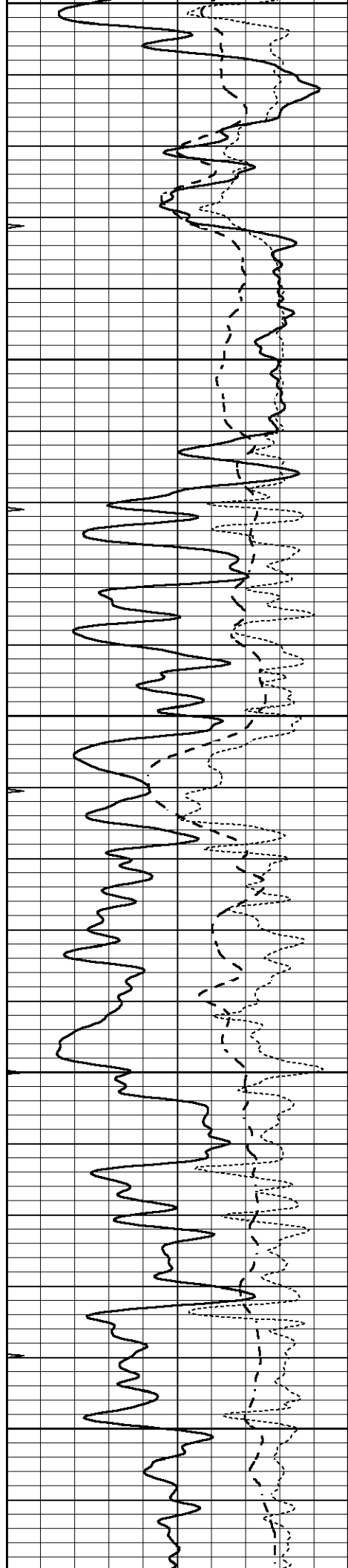
Dataset Pathname pass3.1M

Presentation Format _dil

Dataset Creation Sat Sep 17 07:08:28 2022

Charted by Depth in Feet scaled 1:240

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			



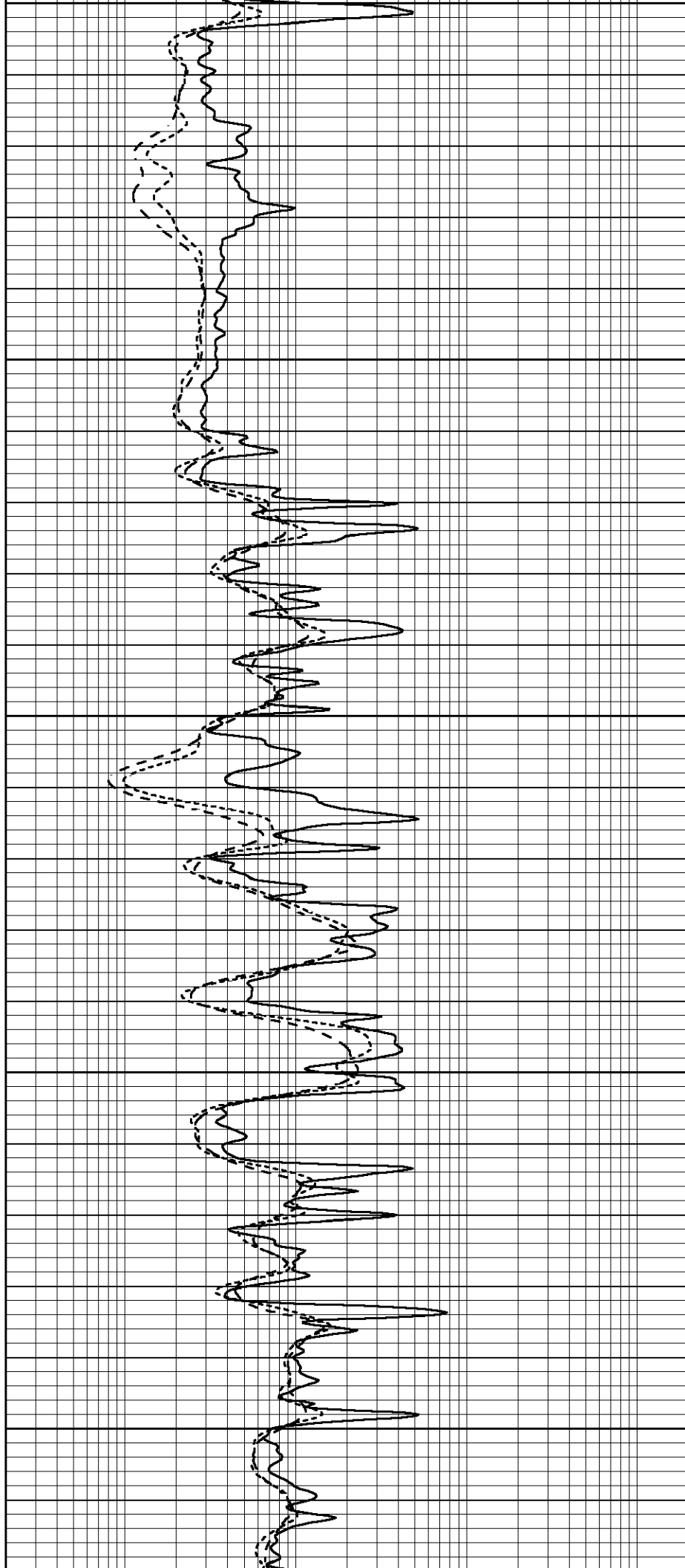
3400

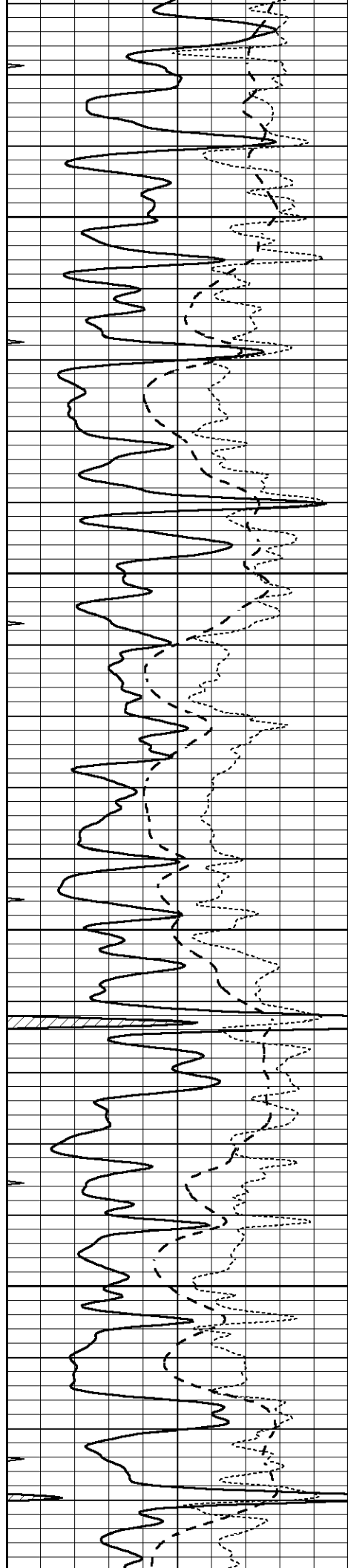
3450

3500

3550

3600



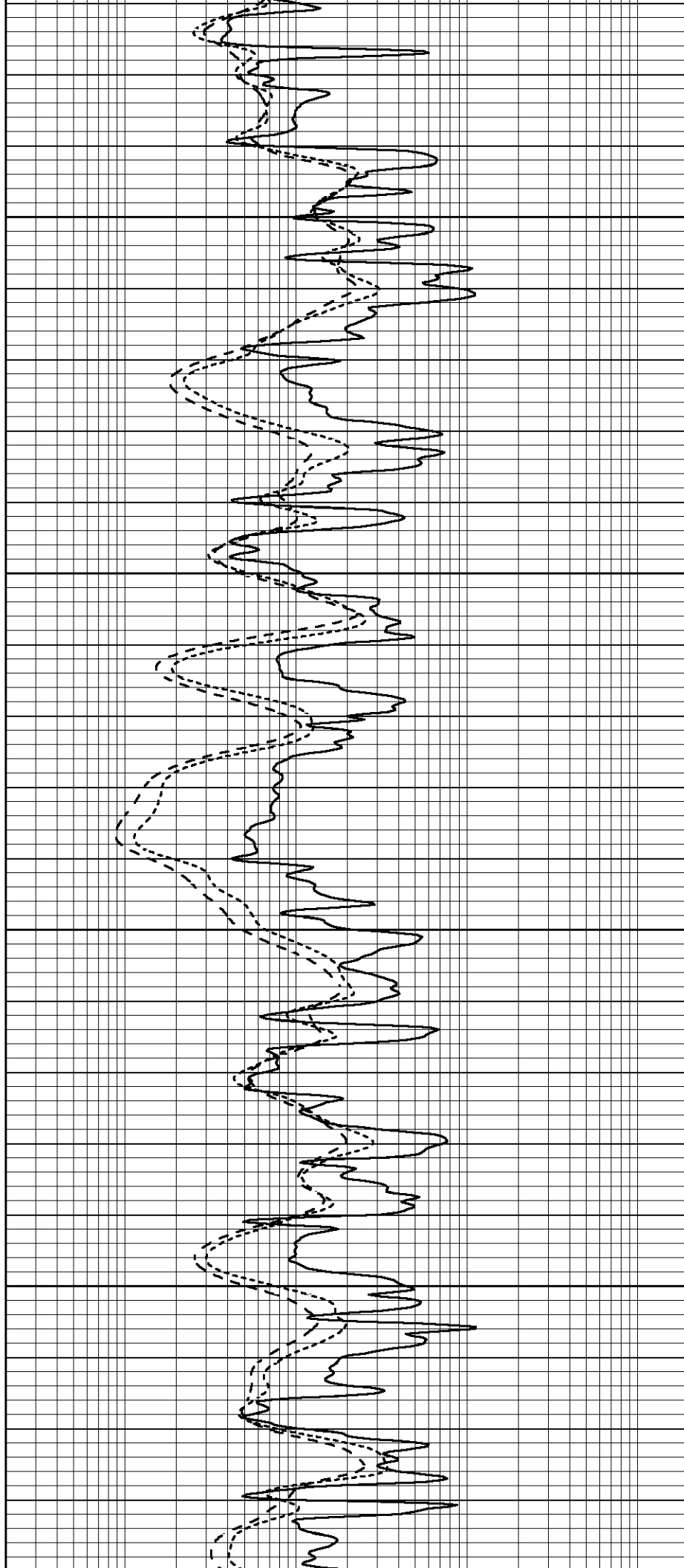


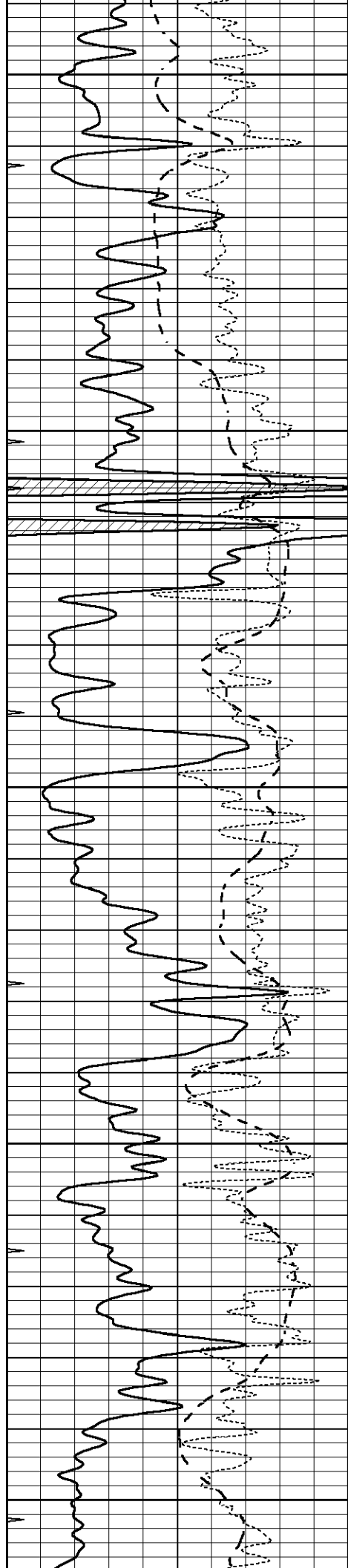
3650

3700

3750

3800





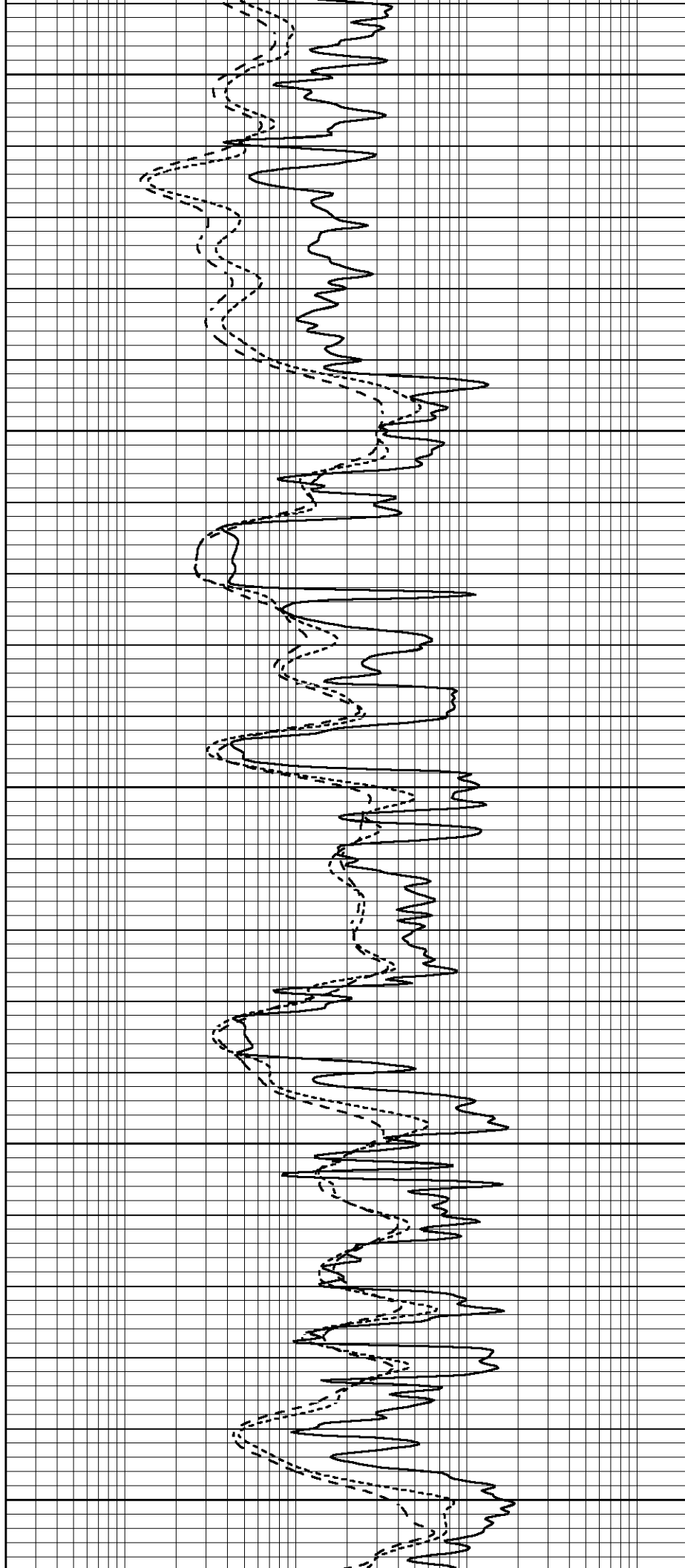
3850

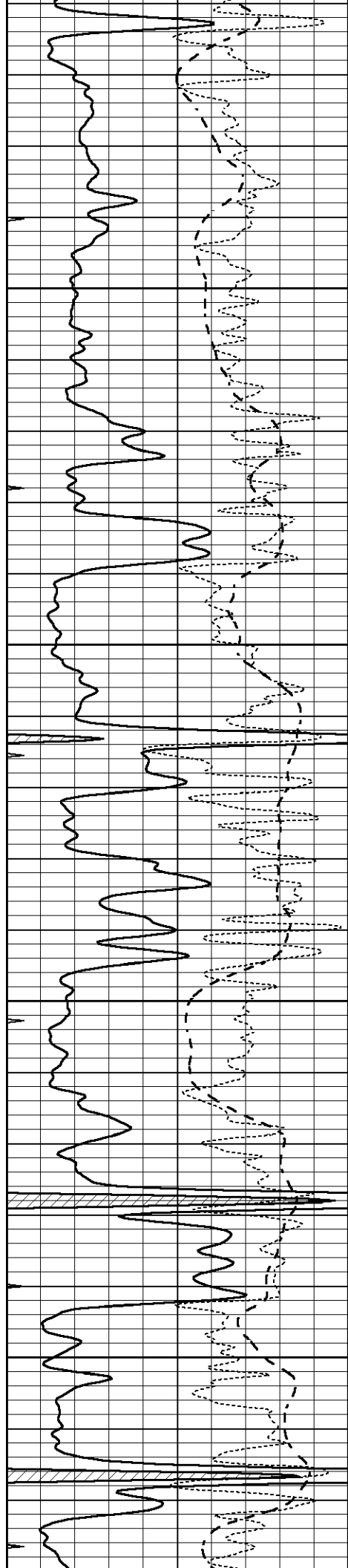
3900

3950

4000

4050



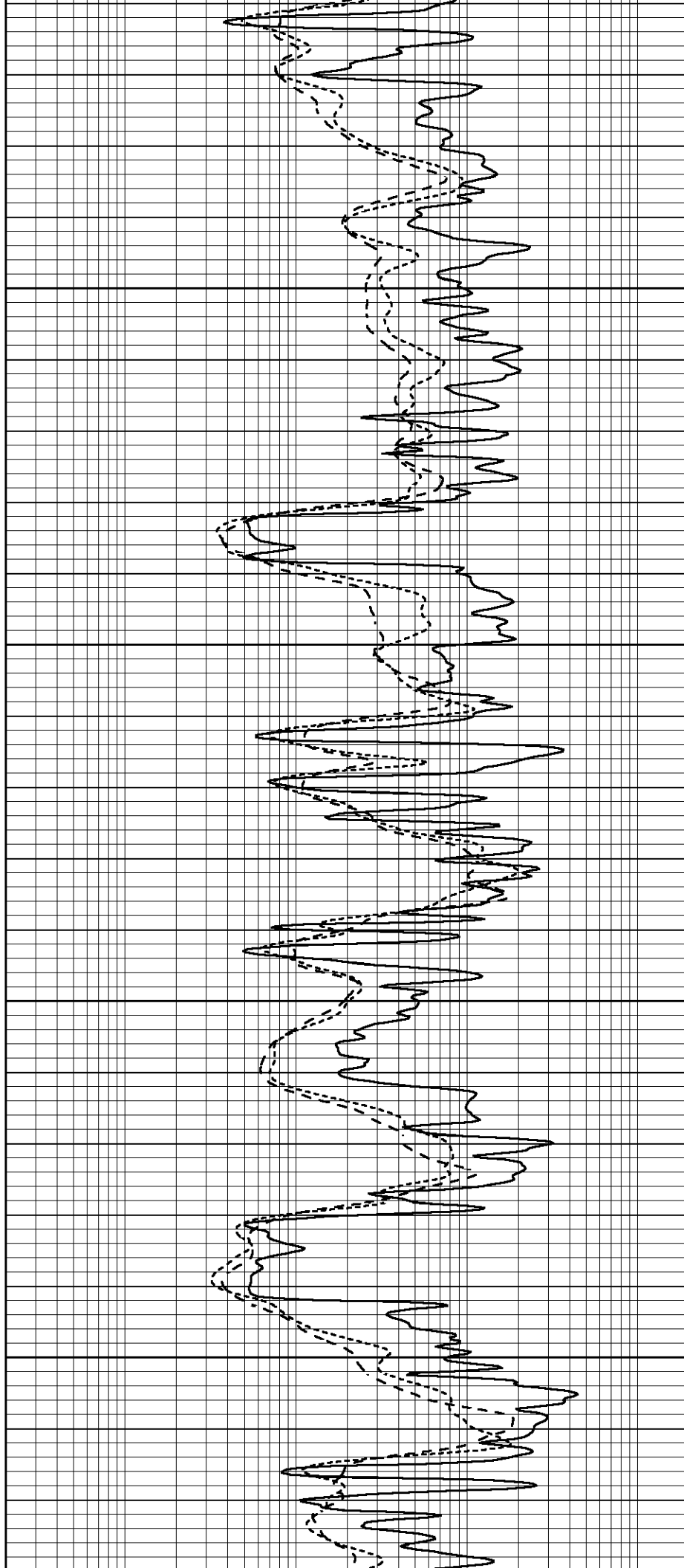


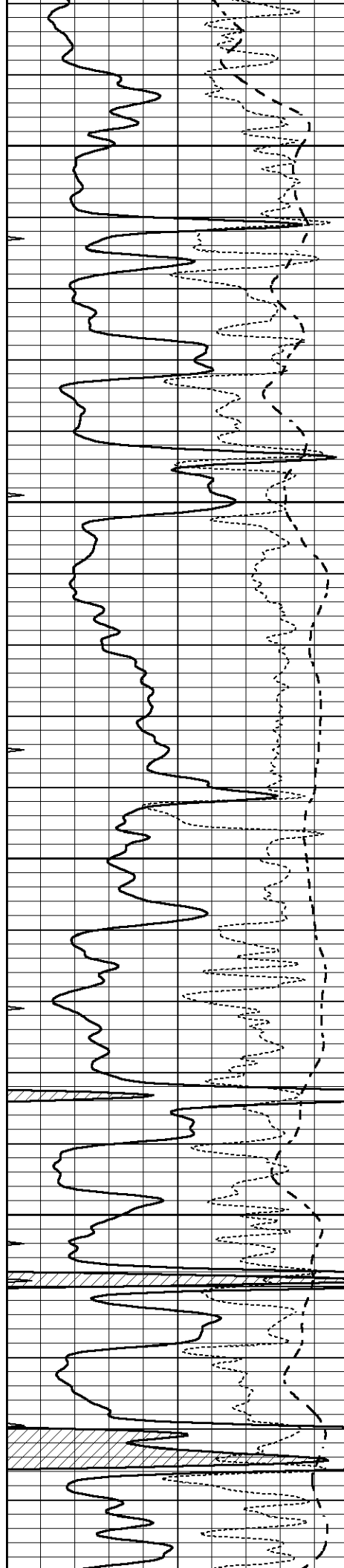
4100

4150

4200

4250





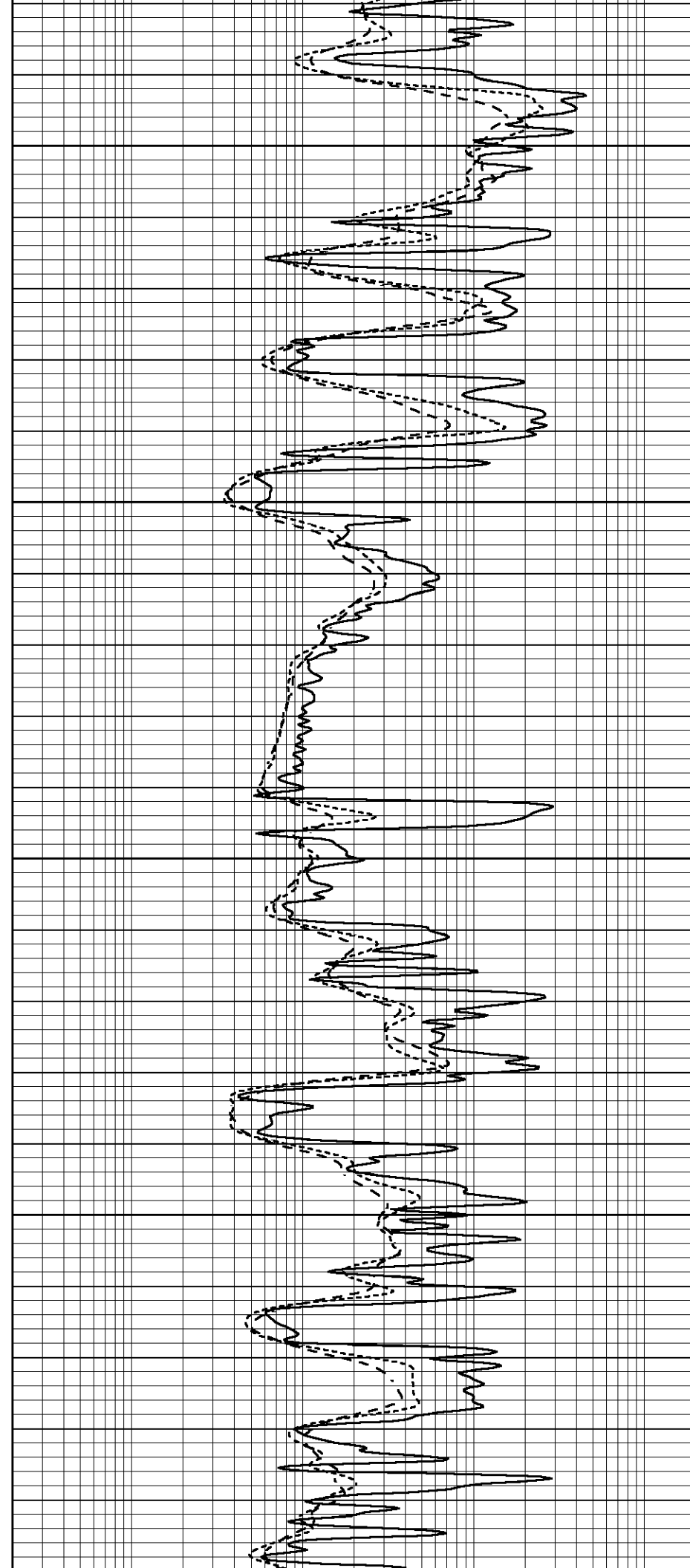
4300

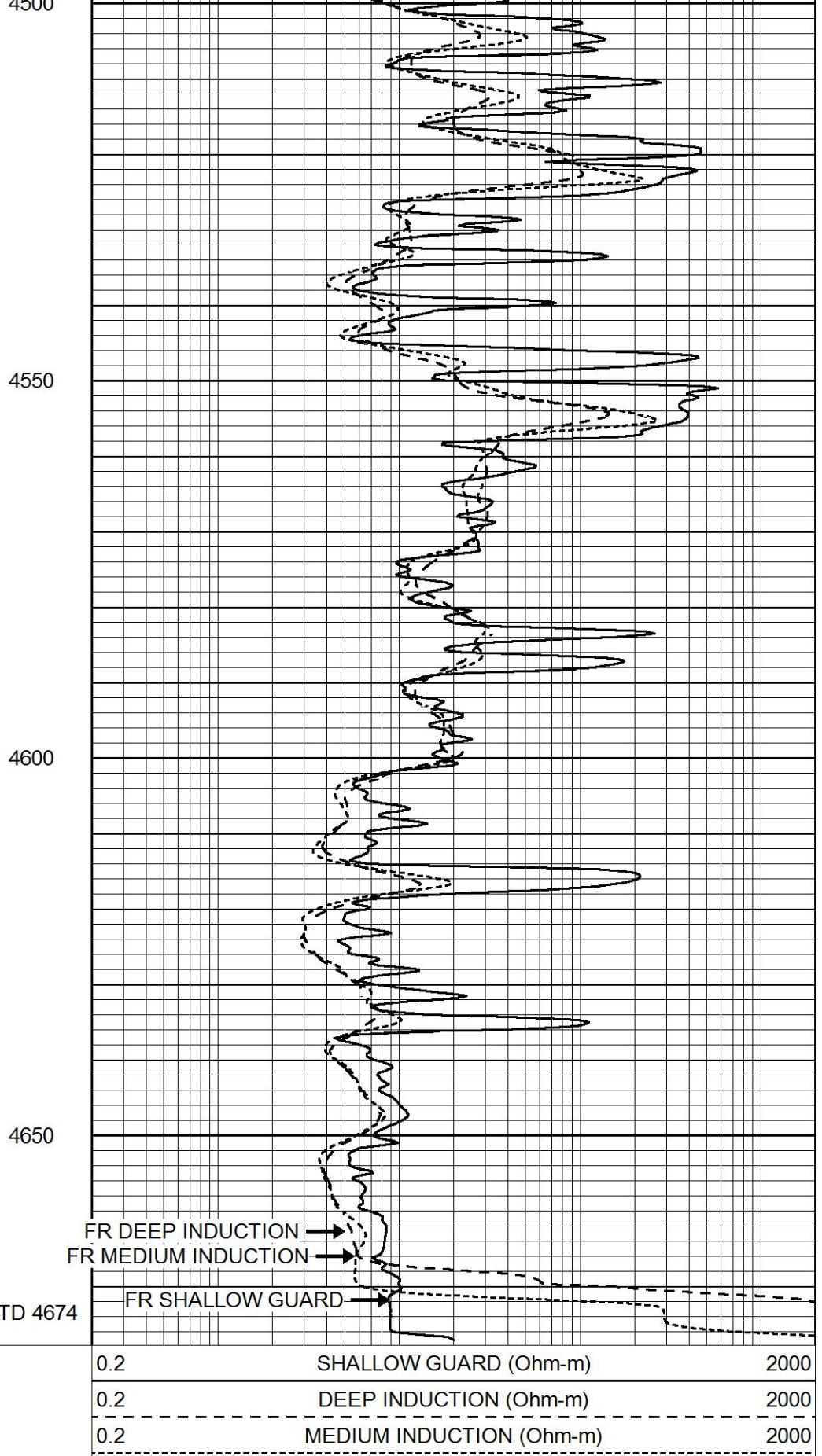
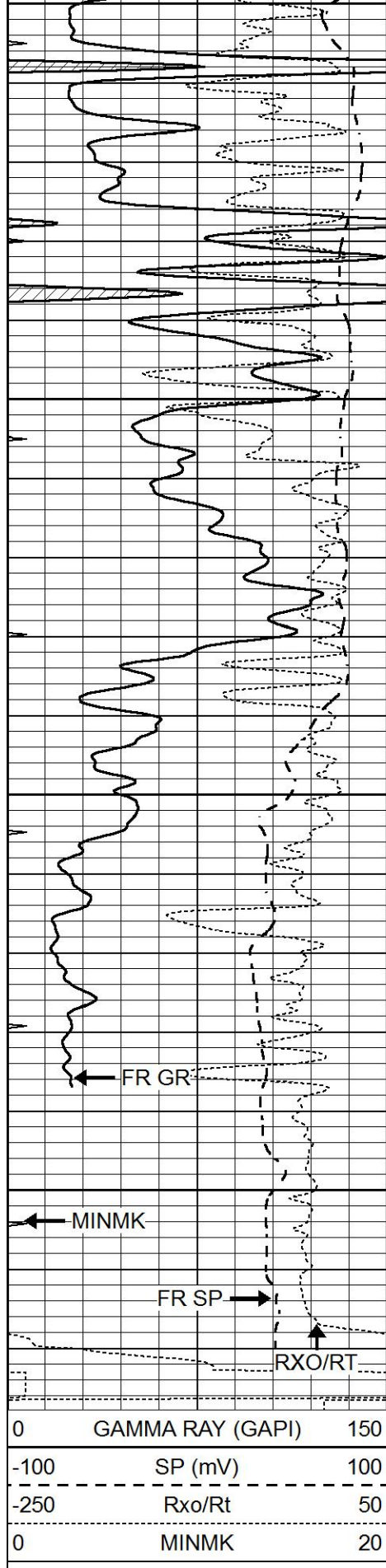
4350

4400

4450

4500



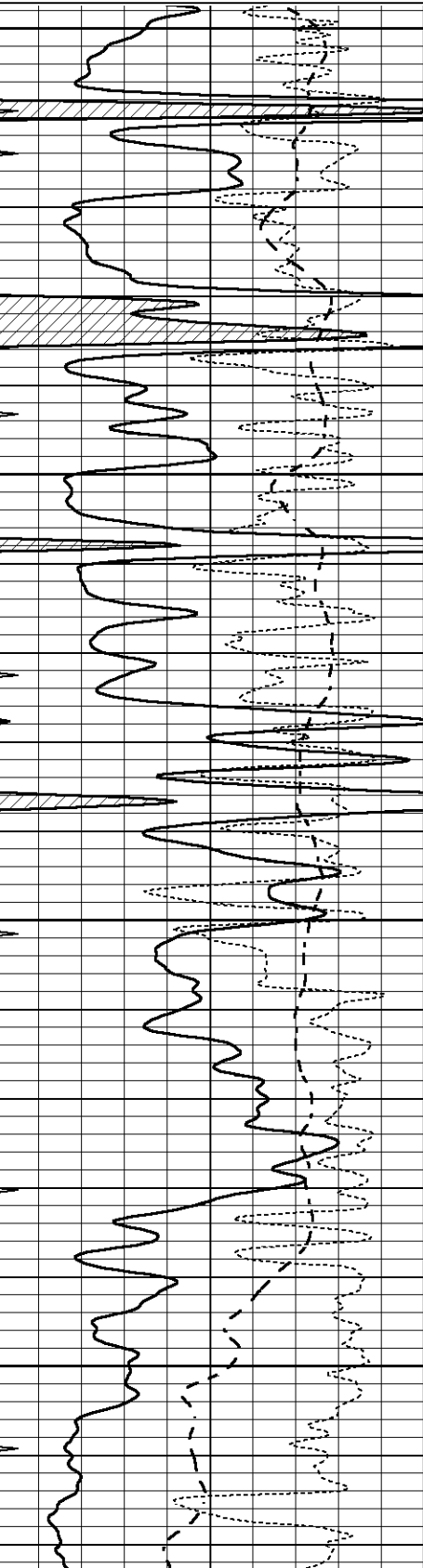


REPEAT SECTION

Database File 7077ddn.db
Dataset Pathname pass2.1R
Presentation Format dil
Dataset Creation Sat Sep 17 05:59:06 2022
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

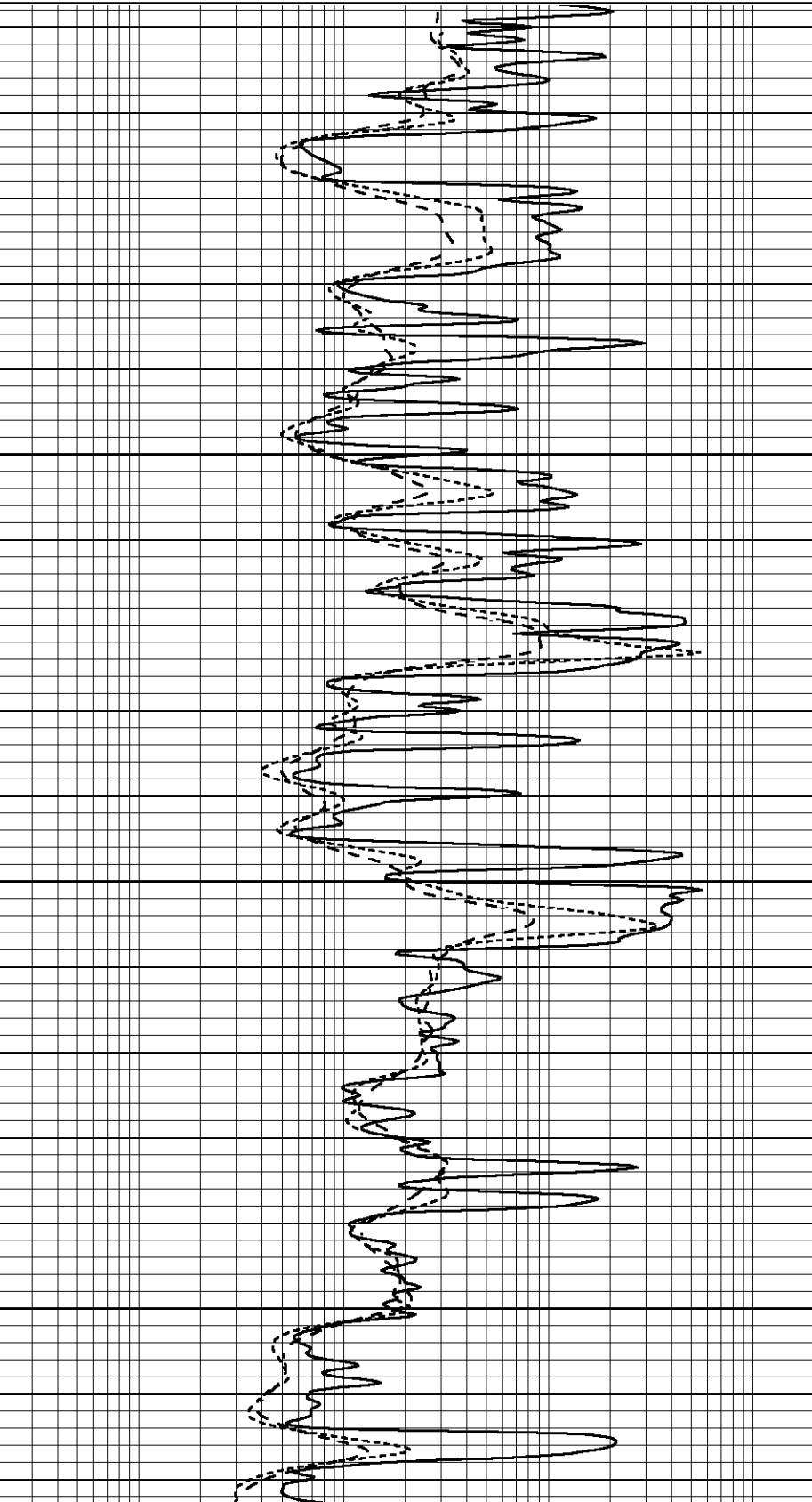


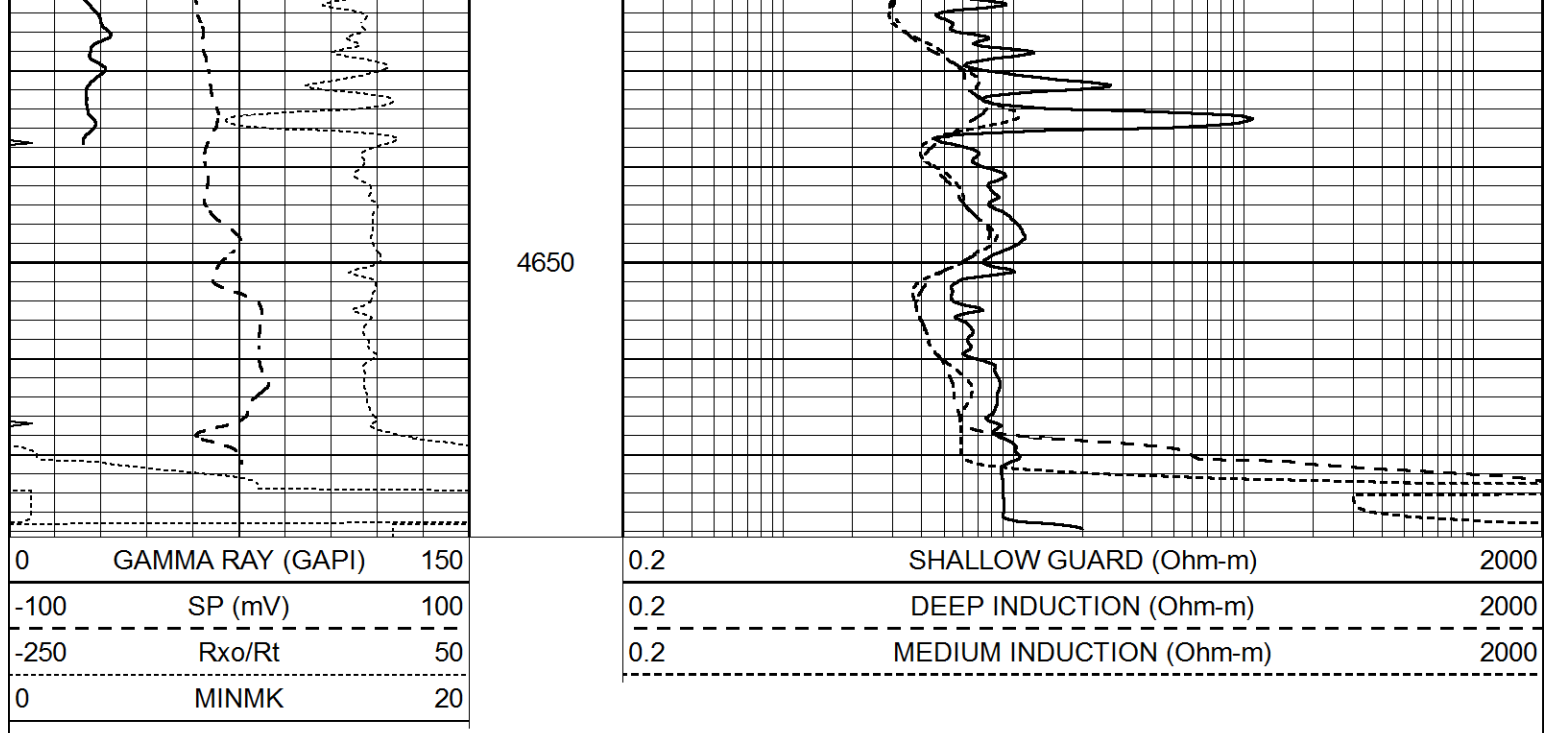
4450

4500

4550

4600





Calibration Report									
Database File	7077ddn.db								
Dataset Pathname	pass3.1M								
Dataset Creation	Sat Sep 17 07:08:28 2022								
Dual Induction Calibration Report									
Serial-Model:				PROBE8-DILG					
Surface Cal Performed:				Tue Sep 13 12:18:42 2022					
Downhole Cal Performed:				Mon Jul 28 11:08:27 2008					
After Survey Verification Performed:				Mon Jul 28 11:08:27 2008					
Surface Calibration									
Readings				References			Results		
Loop:	Air	Loop		Air	Loop		m	b	
Deep	0.015	0.648	V	0.000	400.000	mmho/m	640.000	8.000	
Medium	0.029	0.796	V	0.000	464.000	mmho/m	630.000	0.000	
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	

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		

Litho Density Calibration Report

Serial: 004 Model: PRB

Master Calibration			Performed Tue Aug 02 11:29:35 2022					
	Background		Magnesium		Aluminum		Aluminum+Fe	
Window 1	1154.2		10019.5		3137.9		2795.6	cps
Window 2	1054.4		8597.6		2733.4		2469.5	cps
Window 3	902.3		5241.4		1832.1		1719.3	cps
Window 4	251.9		261.1		255.8		252.9	cps
Long Space	0.0		7543.2		1679.0		1415.0	cps
Short Space	4.4		2049.3		1321.7		1116.8	cps
Rho			1.7100		2.5900		0.0000	g/cc
Pe			2.0000		2.7500		5.7900	
Rib Angle	: 43.7		Rib Slope	: 0.957	Density/Spine Ratio		: 0.562	
Spine Angle	: 73.7		Spine Slope	: 3.426	Spine Intercept		: -17.2	

Before Survey Verification			Performed Wed Dec 31 18:00:00 1969					
Window 1	0.0		0.0		0.0		0.0	cps
Window 2	0.0		0.0		0.0		0.0	cps
Window 3	0.0		0.0		0.0		0.0	cps
Window 4	0.0		0.0		0.0		0.0	cps
Long Space	0.0		0.0		0.0		0.0	cps
Short Space	0.0		0.0		0.0		0.0	cps
Measured Rho			0.0000		0.0000		0.0000	g/cc
Measured Correction			0.0000		0.0000		0.0000	g/cc
Measured Pe					0.0000		0.0000	

After Survey Verification			Performed Wed Dec 31 18:00:00 1969					
Window 1	0.0		0.0		0.0		0.0	cps
Window 2	0.0		0.0		0.0		0.0	cps
Window 3	0.0		0.0		0.0		0.0	cps
Window 4	0.0		0.0		0.0		0.0	cps
Long Space	0.0		0.0		0.0		0.0	cps
Short Space	0.0		0.0		0.0		0.0	cps
Measured Rho			0.0000		0.0000		0.0000	g/cc
Measured Correction			0.0000		0.0000		0.0000	g/cc
Measured Pe					0.0000		0.0000	

--

Compensated Neutron Calibration Report

Serial Number:	070808PMC
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:	070558		
Tool Model:	OPEN_GR		
Performed:	Fri Sep 16 22:46:36 2022		
Calibrator Value:	1.0	GAPI	
Background Reading:	0.0	cps	
Calibrator Reading:	1.0	cps	
Sensitivity:	0.3000	GAPI/cps	