



BOREHOLE COMPENSATED SONIC LOG

Company Taos Resources Operating Company LLC
Well Hawkins #27-1
Field Maddix North
County Cowley
State Kansas

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Well Hawkins #27-1
Field Maddix North
County Cowley State Kansas

Location: API #: 15 035 24683
965' FSL & 338' FWL
SEC 27 TWP 32S RGE 5E
Permanent Datum Ground Level Elevation 1258'
Log Measured From KB 5' AGL
Drilling Measured From KB
Other Services
DIL
CDNL
ML
Elevation
K.B. 1263'
D.F. 1262'
G.L. 1258'

Date	4-1-18		
Run Number	TWO		
Depth Driller	3558'		
Depth Logger	3559'		
Bottom Logged Interval	3557'		
Top Log Interval	350'		
Casing Driller	8 5/8" @ 218'		
Casing Logger	218'		
Bit Size	7 7/8"		
Type Fluid in Hole	Chemical		
Density / Viscosity	9.6/67		
pH / Fluid Loss	10.0/6.4		
Source of Sample	Pit		
Rm @ Meas. Temp	1.70@74degf		
Rmf @ Meas. Temp	1.36@74degf		
Rmc @ Meas. Temp	2.18@74degf		
Source of Rmf / Rmc	Calculated		
Rm @ BHT	1.21@104degf		
Time Circulation Stopped	6:45 p.m.		
Time Logger on Bottom	11:15 p.m.		
Maximum Recorded Temperature	104degf		
Equipment Number	T-127		
Location	Hays, KS		
Recorded By	C. Patterson		
Witnessed By	Mr. Mike Pressnall	Mr. Ray Dorothy	

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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

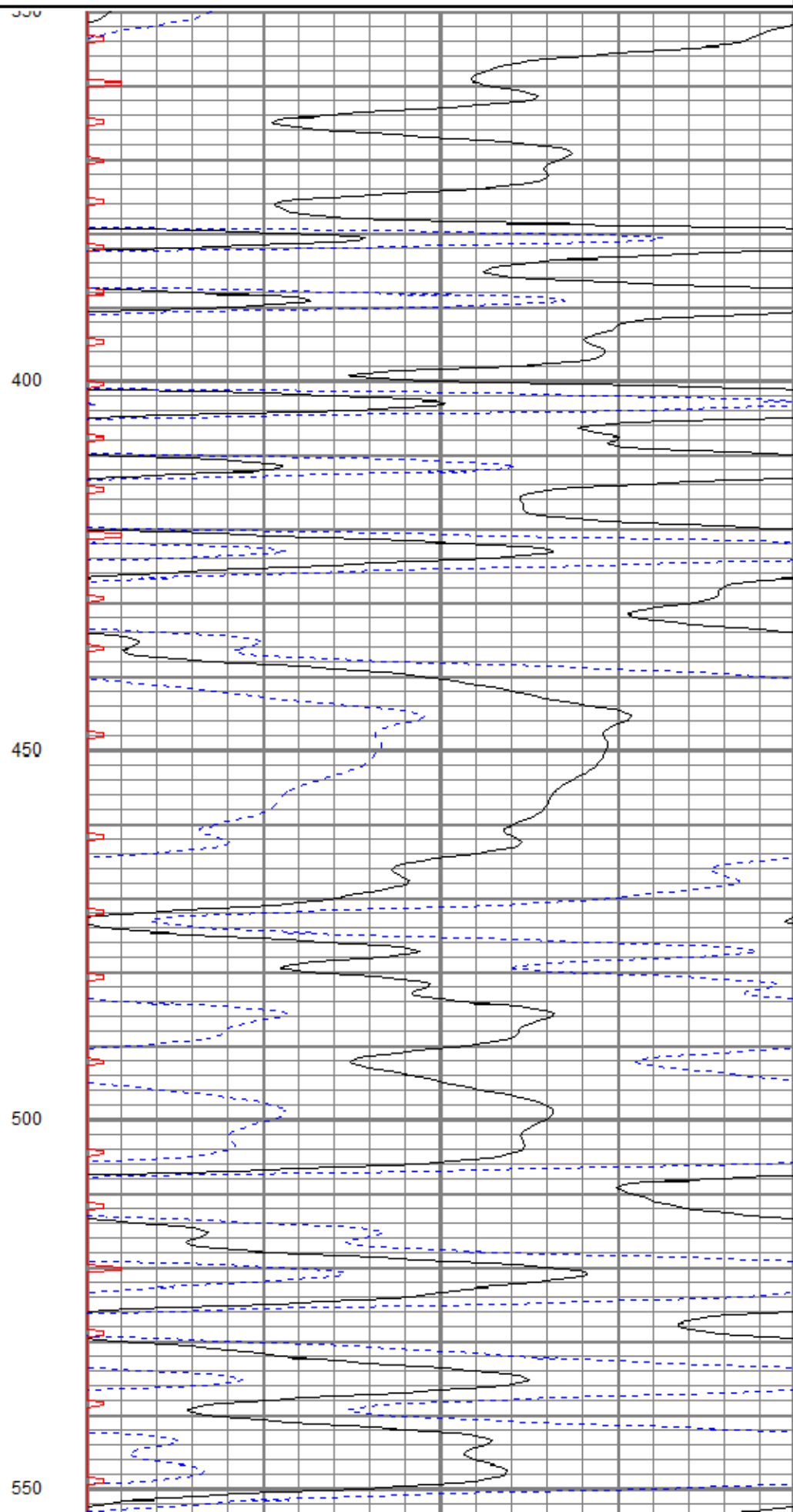
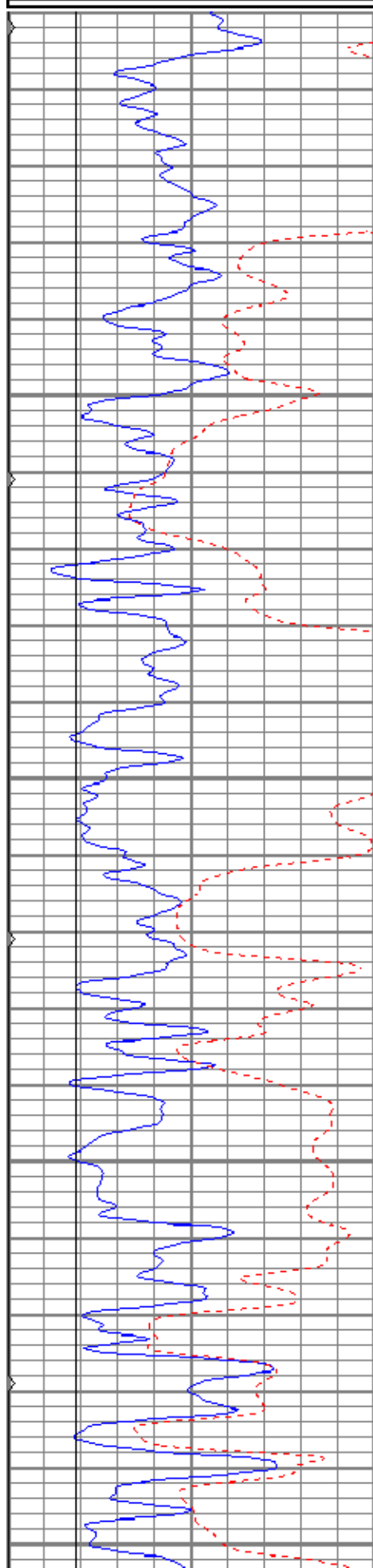
East of Winfield(Main St. and 160 Hwy) 6.5 mi. to 151st rd.,
3/4 mi. south on 151st Rd. ,East into Location

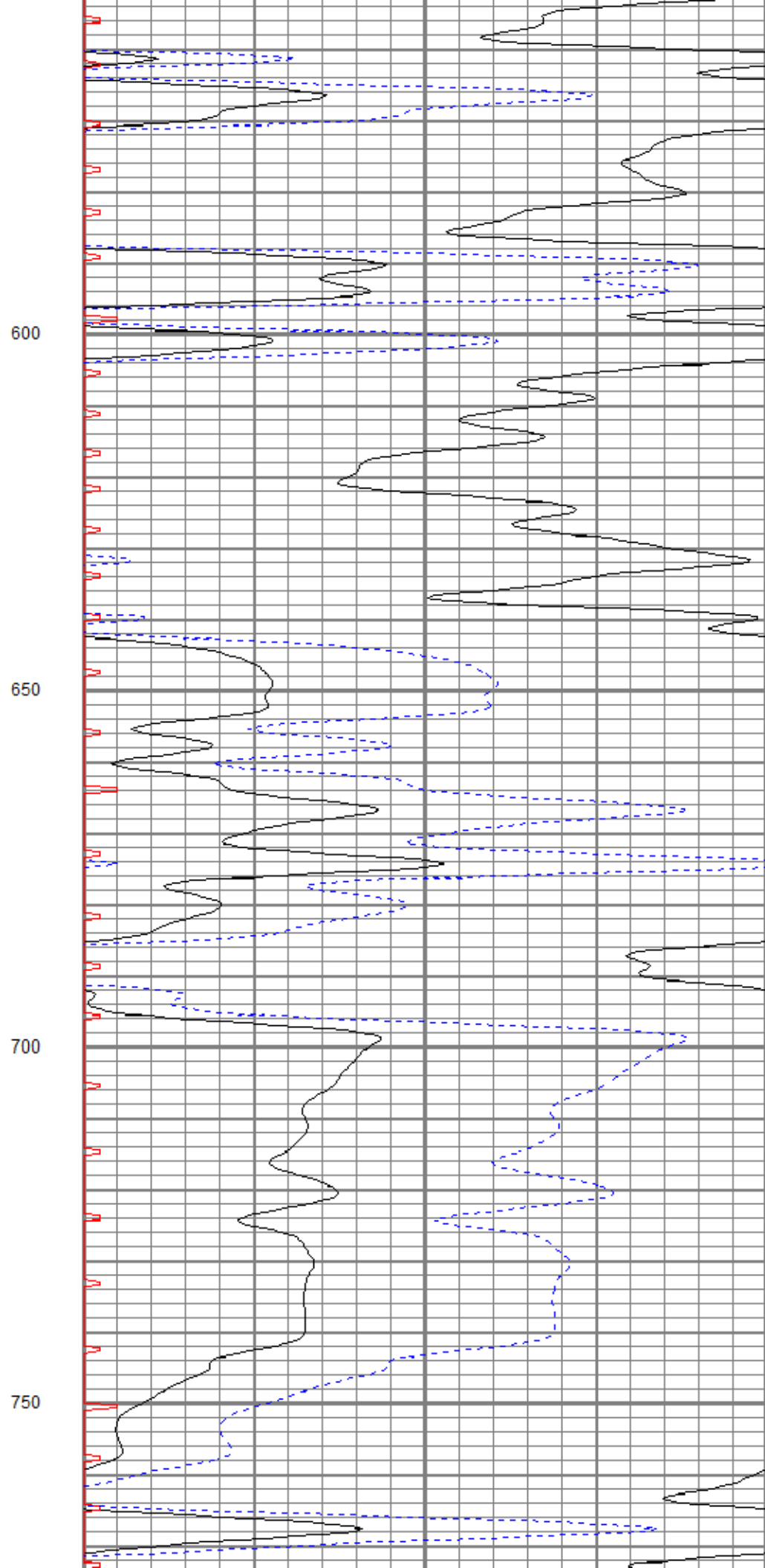
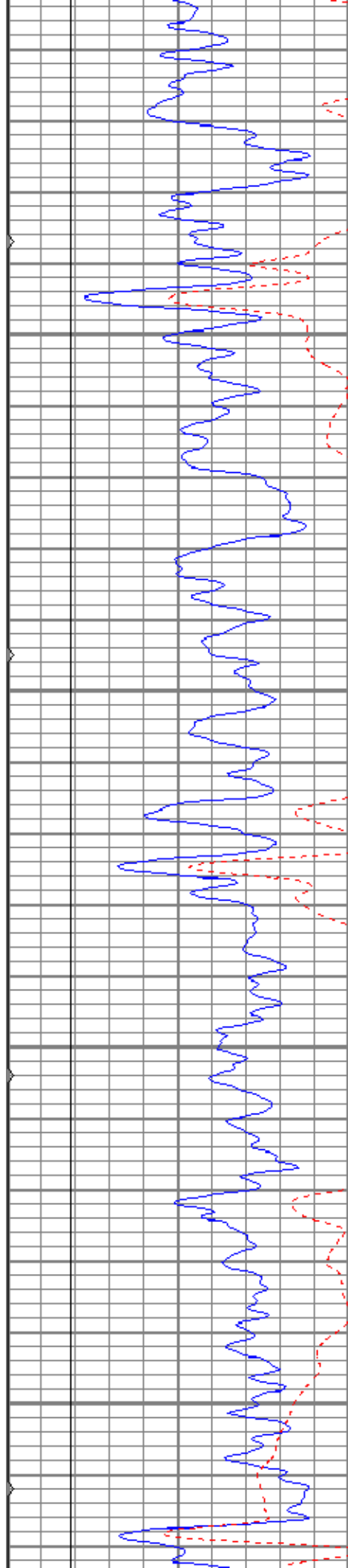
Thank you for using Gemini Wireline
785-625-1182

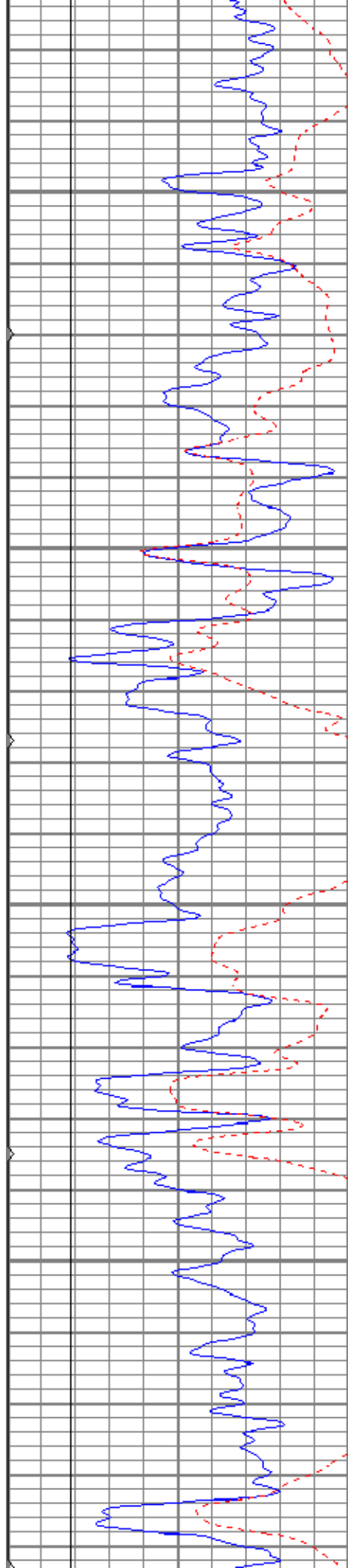
Database File trohawkins27-1oh.db
Dataset Pathname pass4
Presentation Format kbcs
Dataset Creation Sun Apr 01 23:27:59 2018
Charted by Depth in Feet scaled 1:240

	GR (GAPI)	150
6	MCAL (in)	16
6	BOREID (in)	16
0	MINMK	50

140	DT (usec/m)	40
30	SPOR (pu)	-10
0	ITT (msec)	20





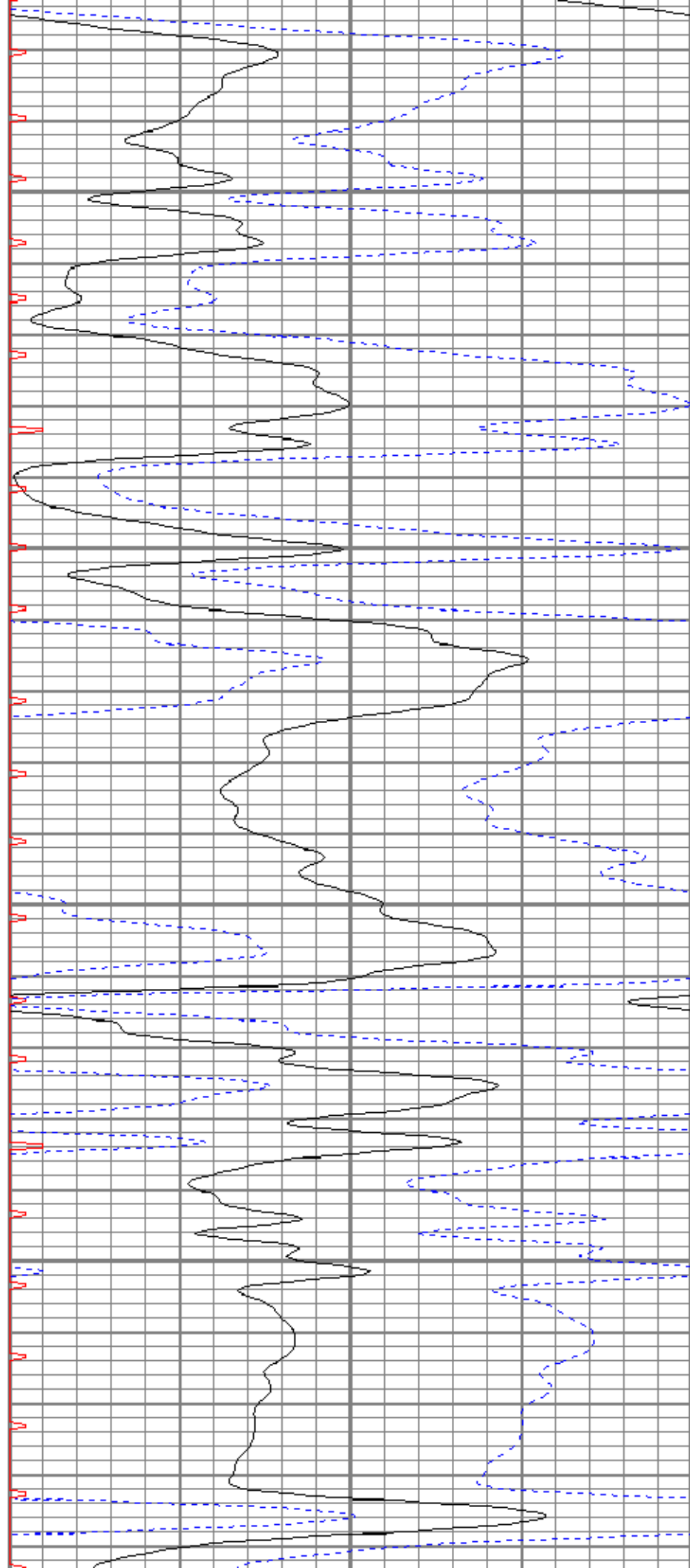


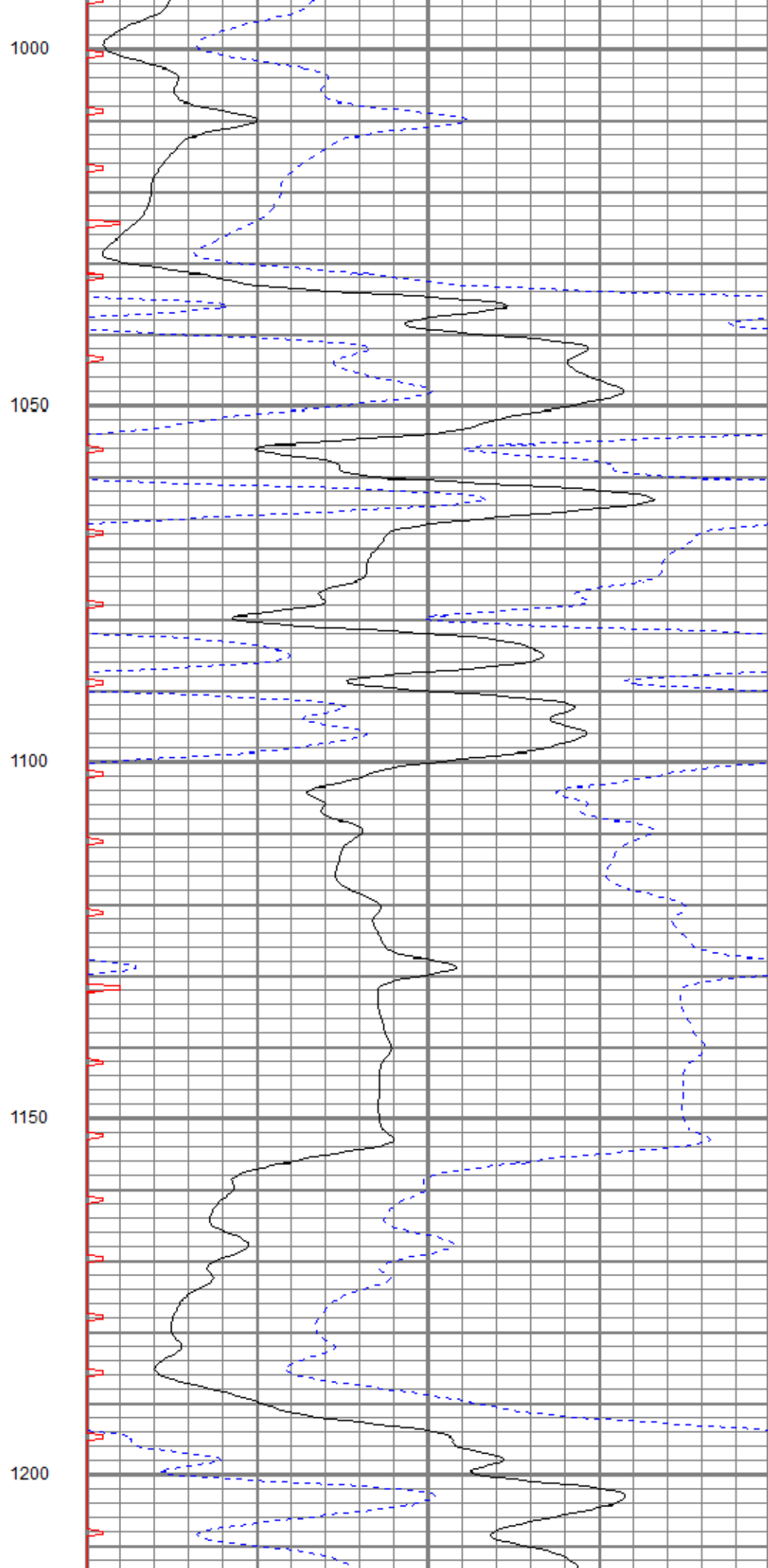
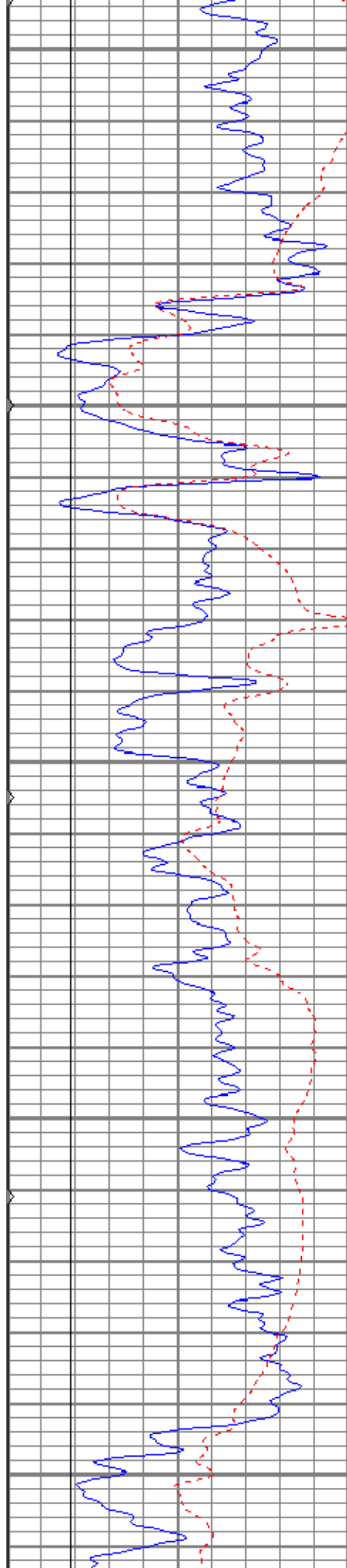
800

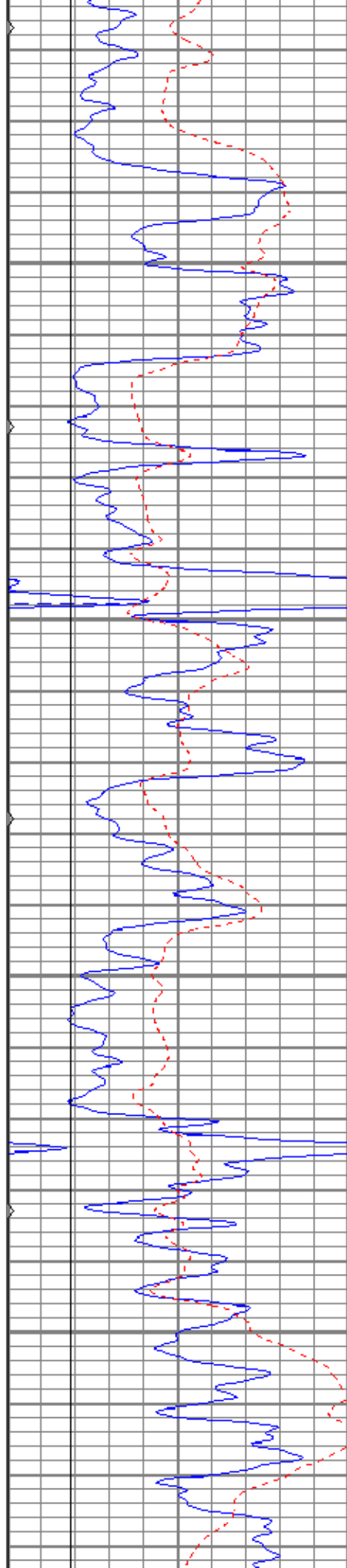
850

900

950





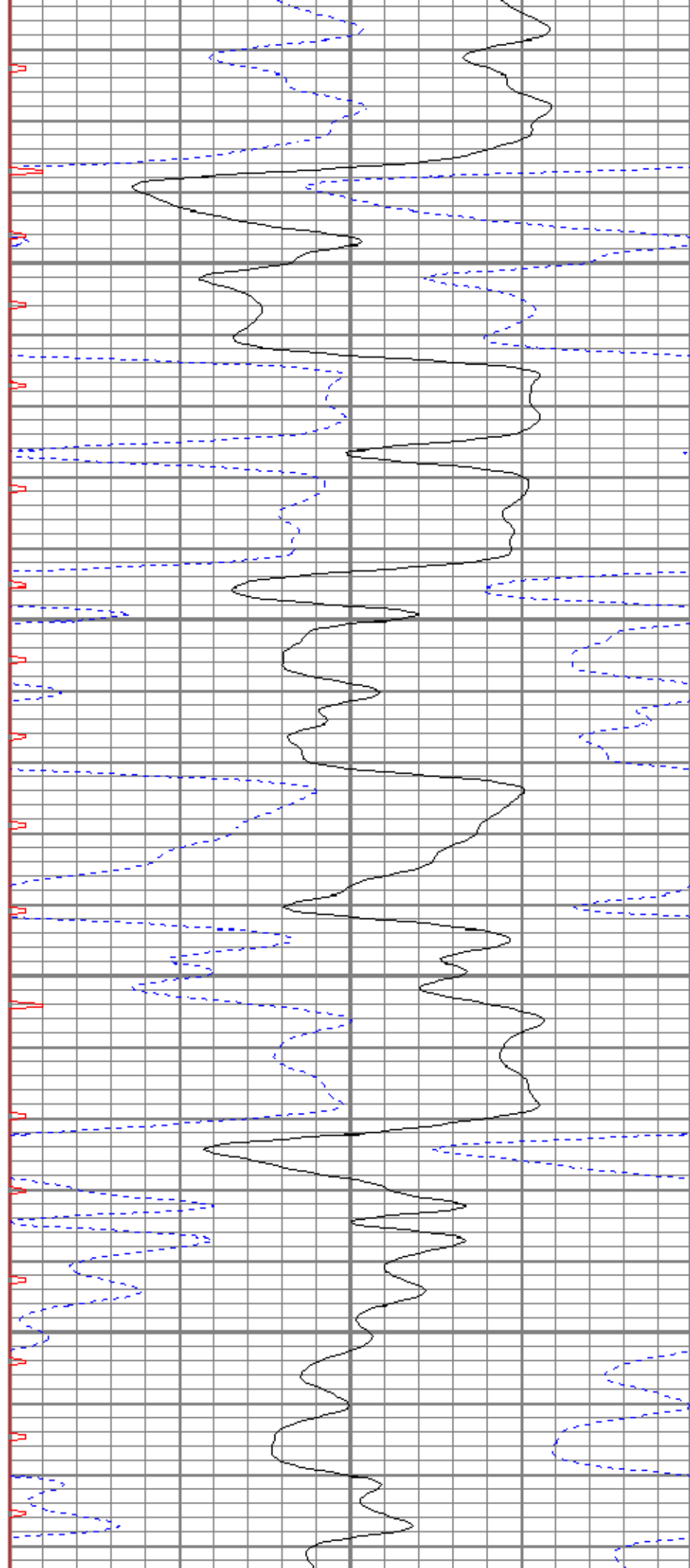


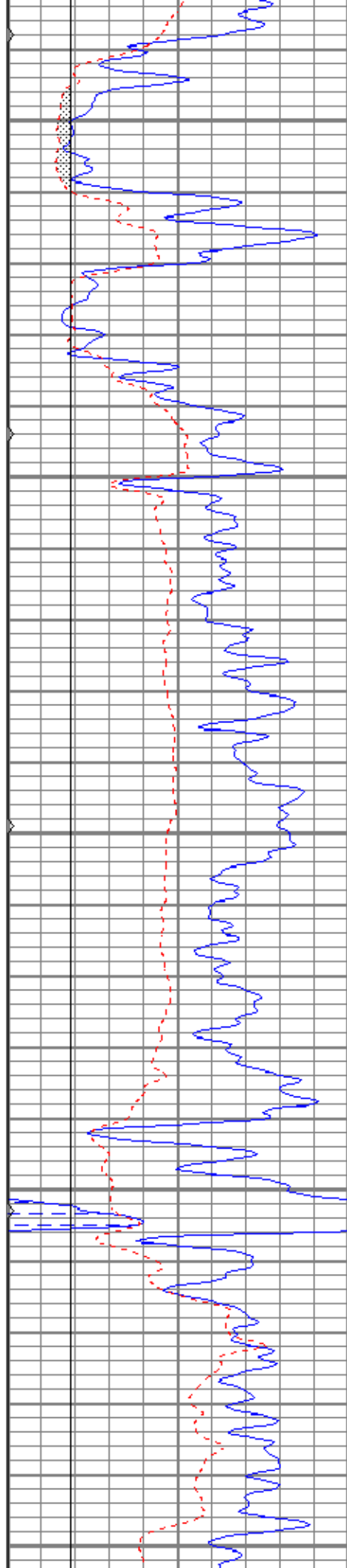
1250

1300

1350

1400





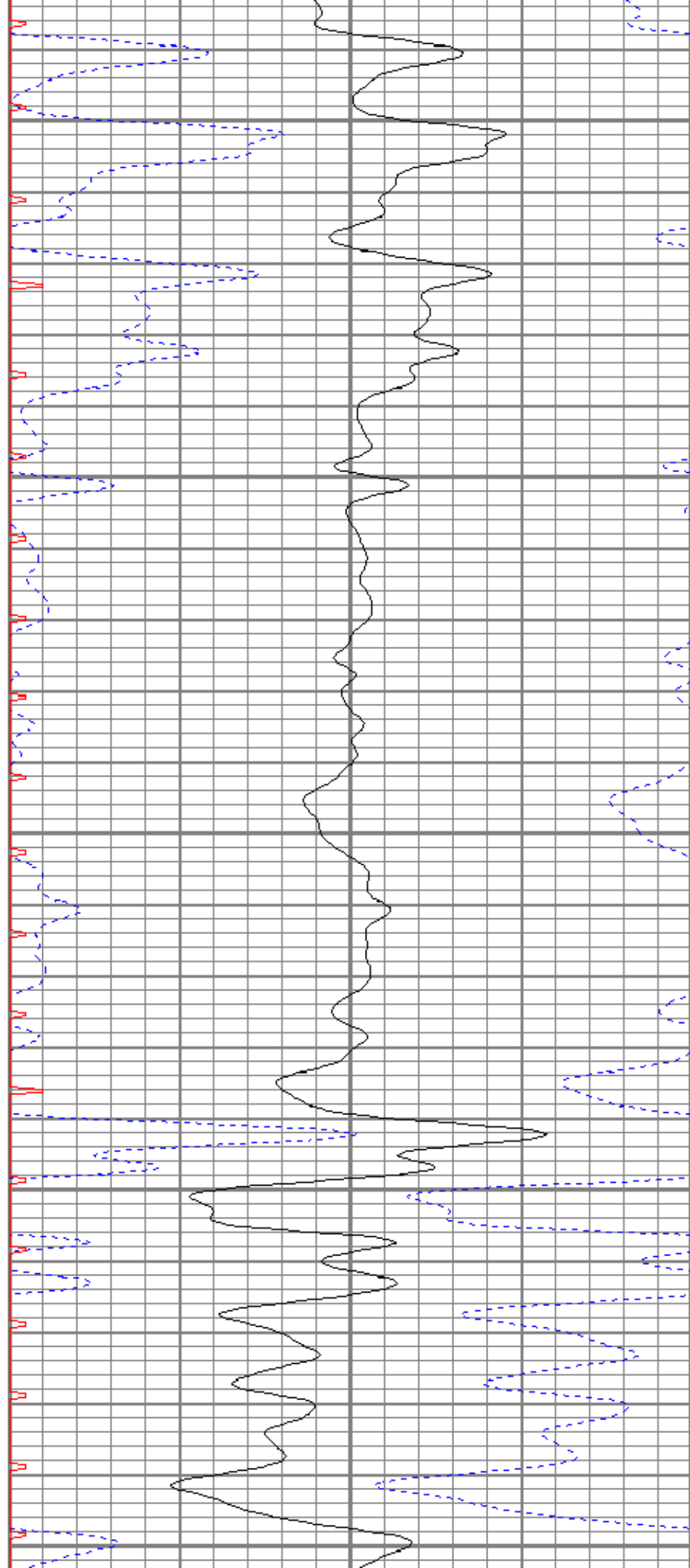
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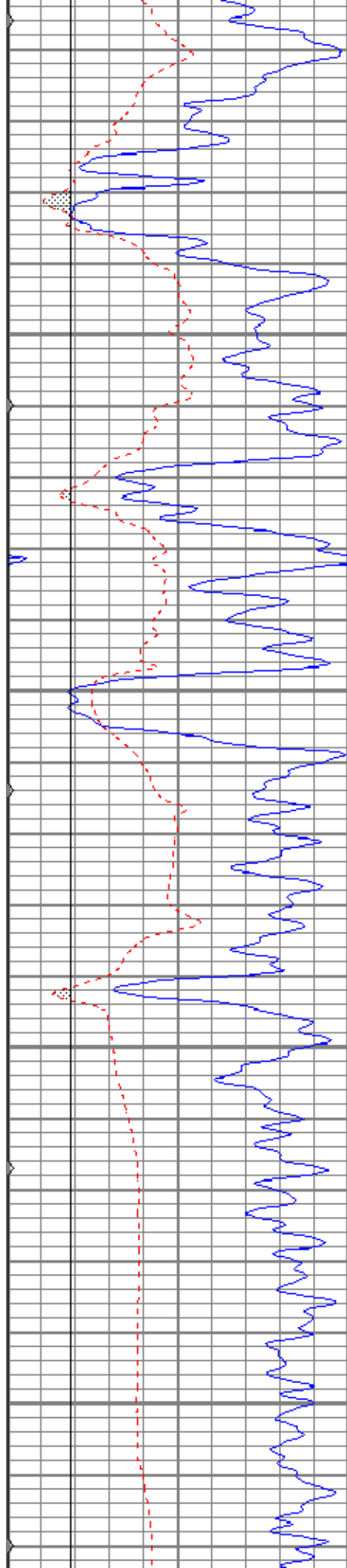
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1550

1600

1650



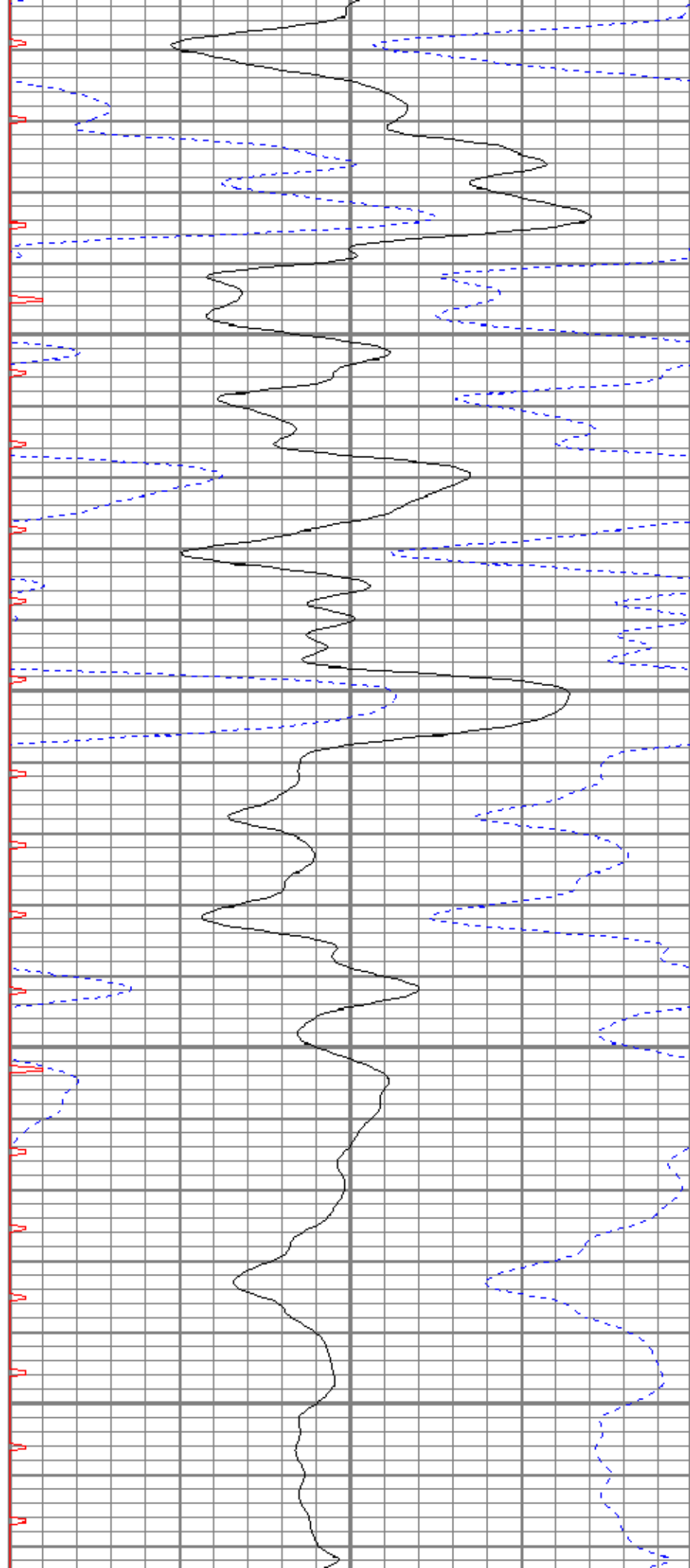


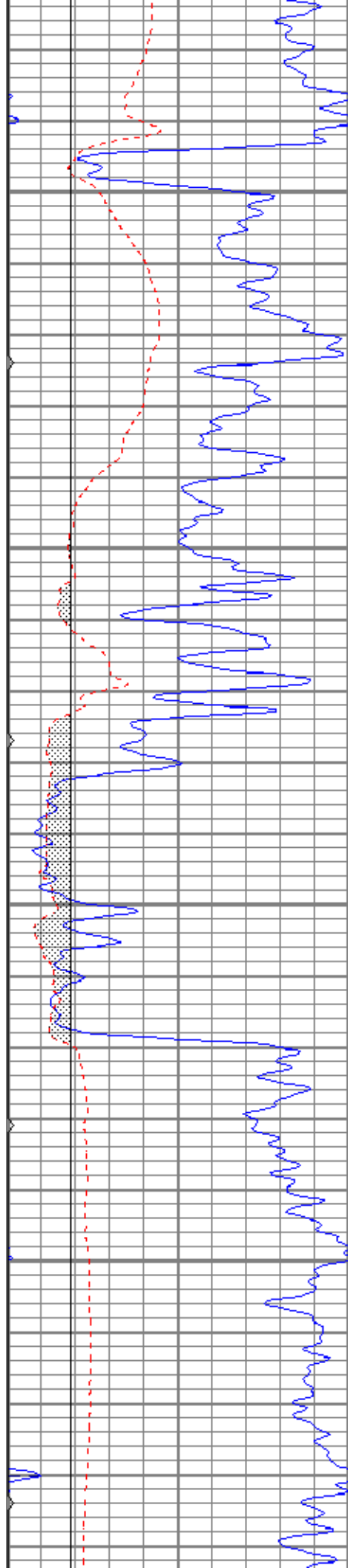
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1750

1800

1850



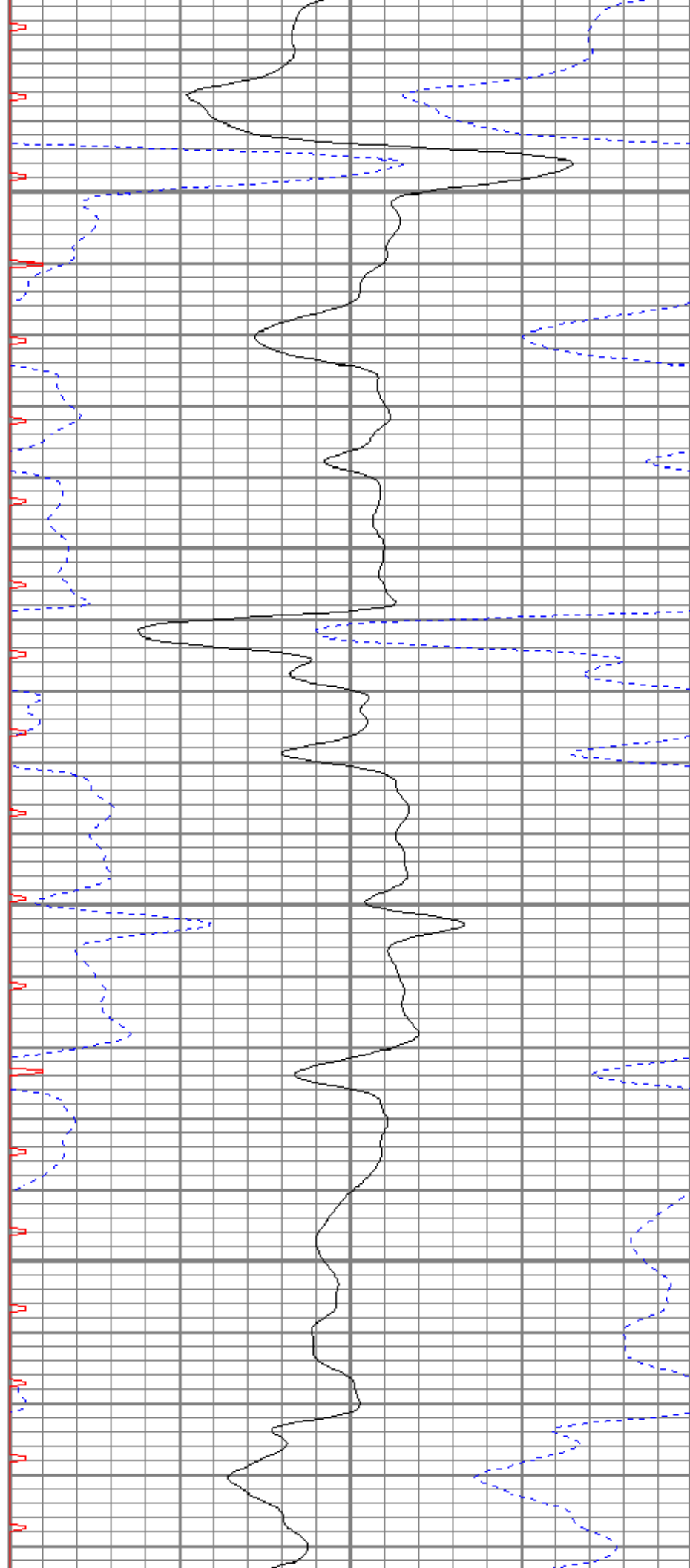


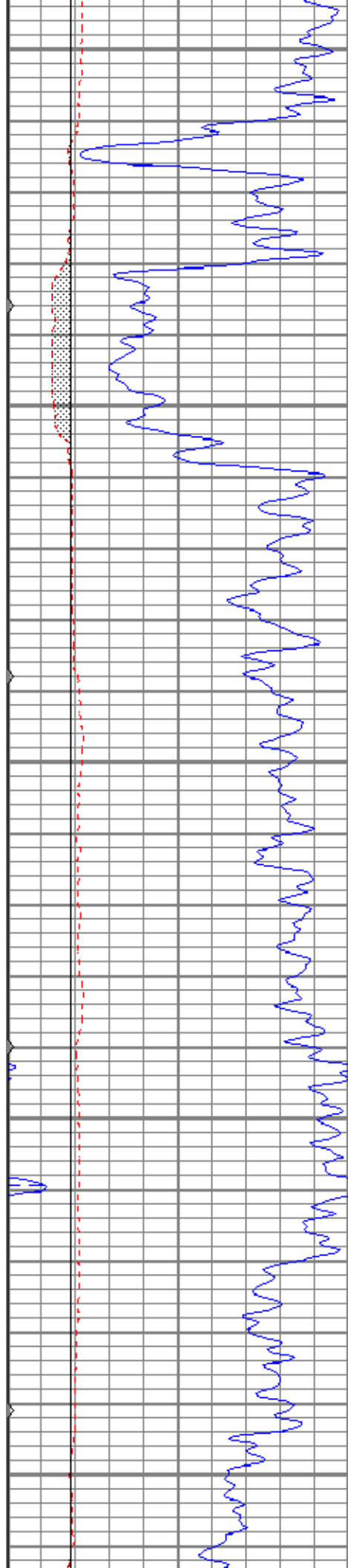
1900

1950

2000

2050





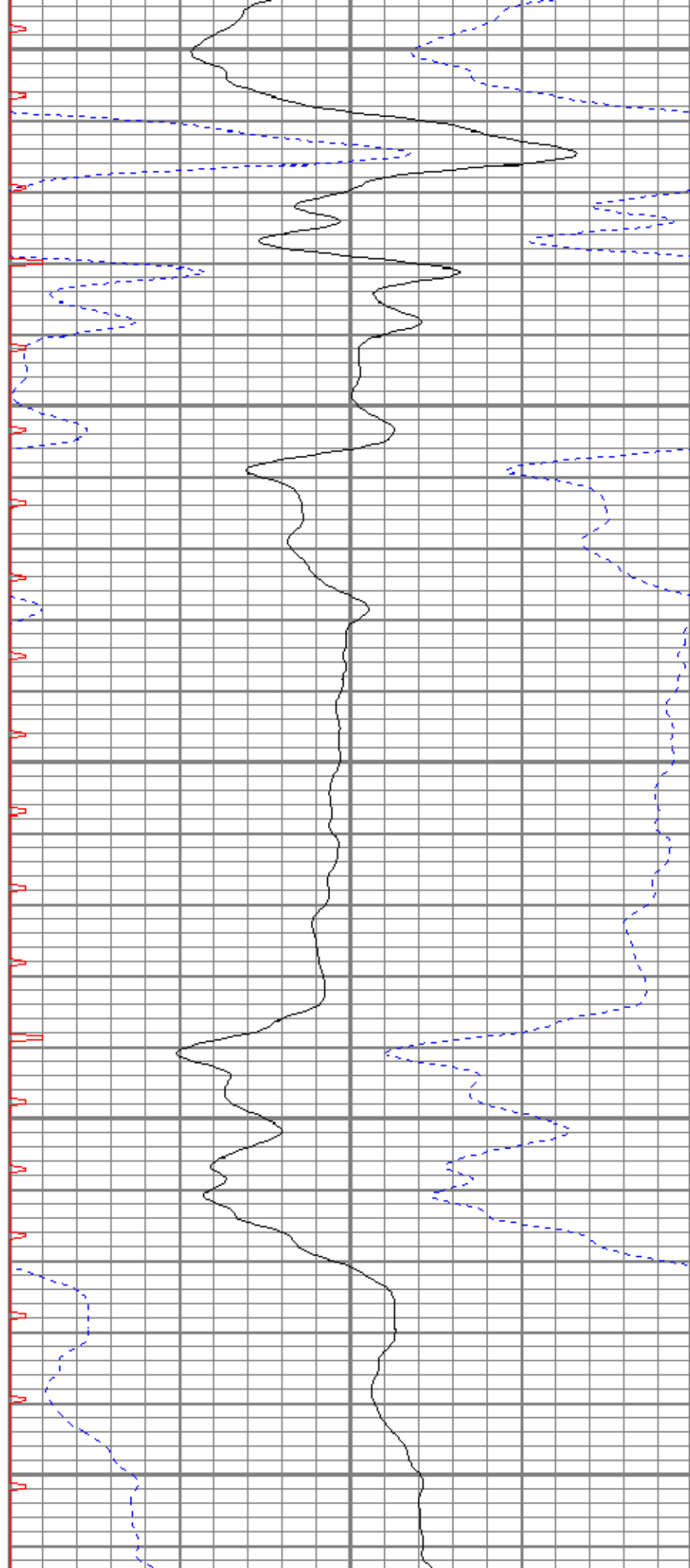
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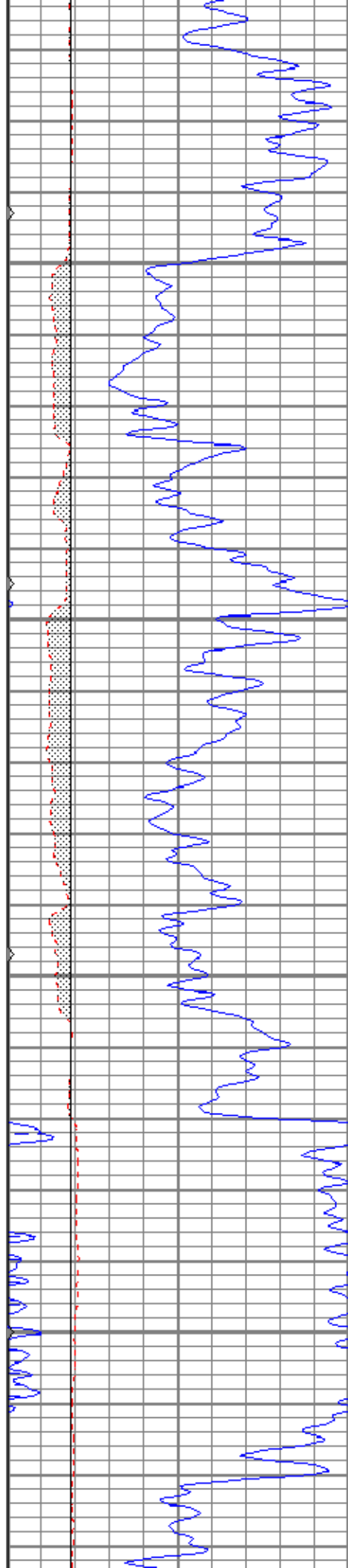
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2200

2250

2300



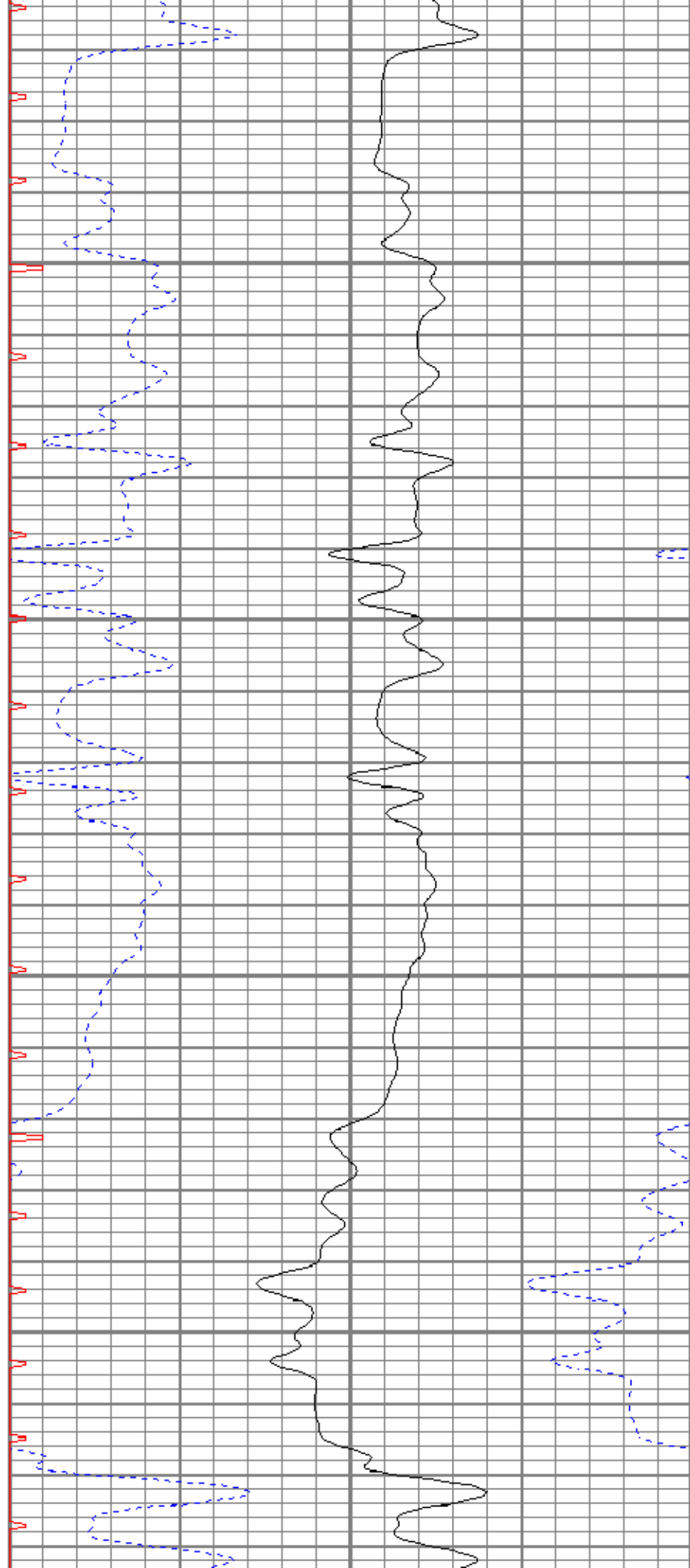


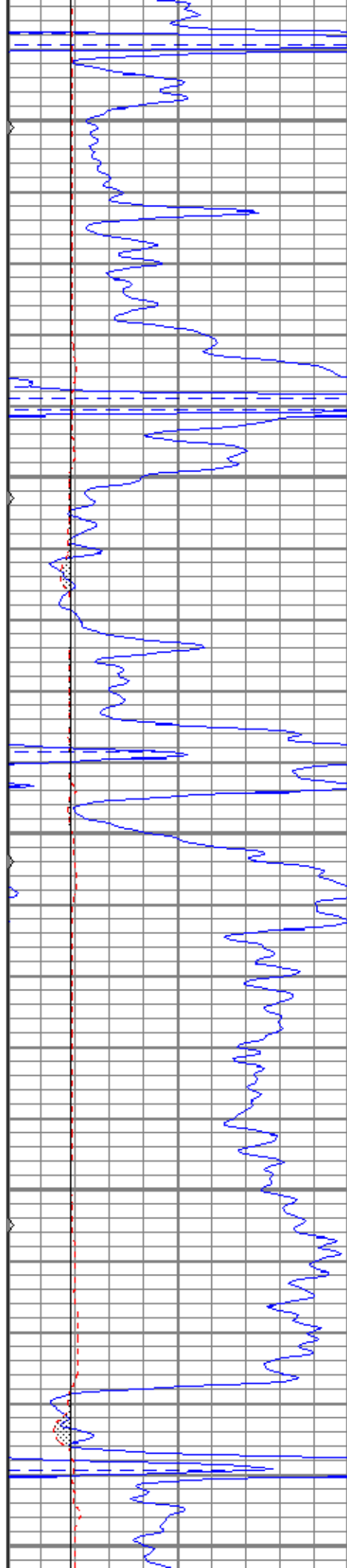
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2450

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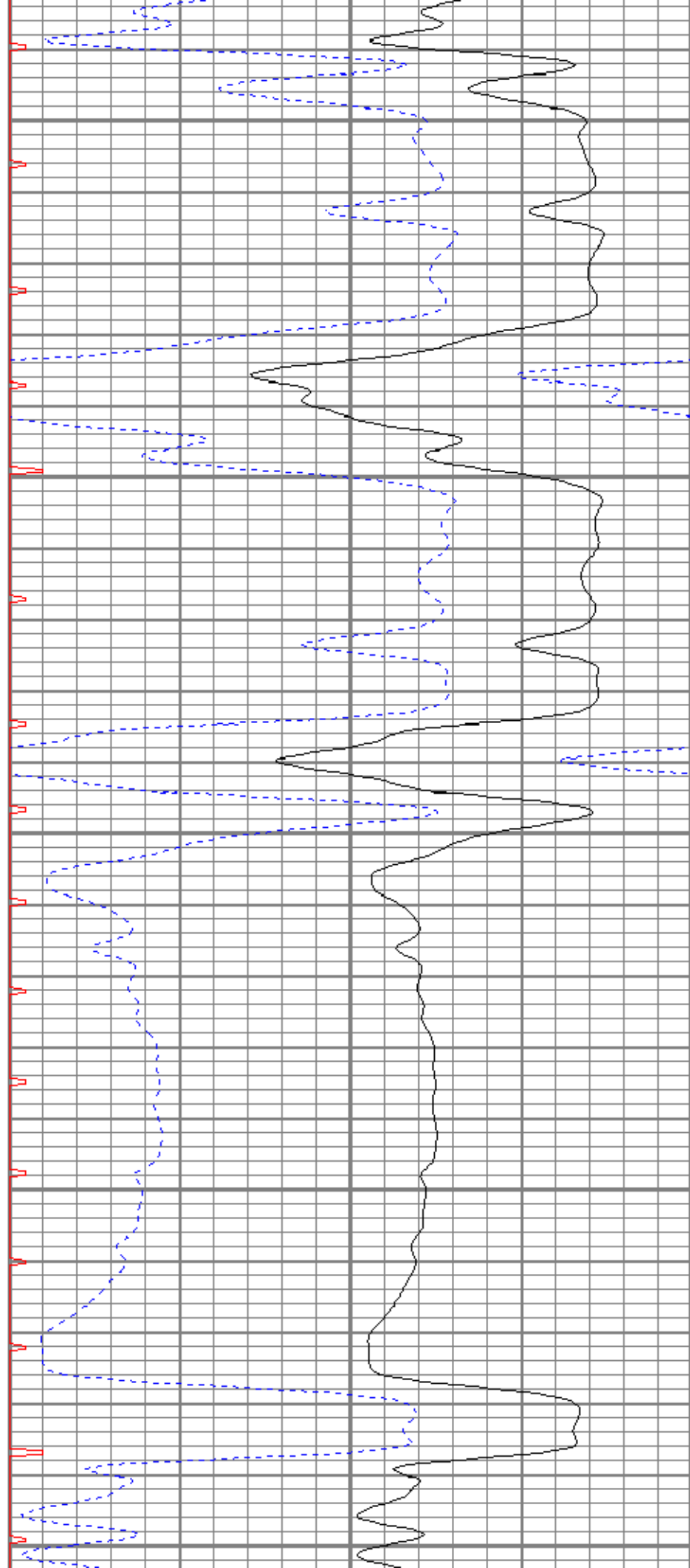
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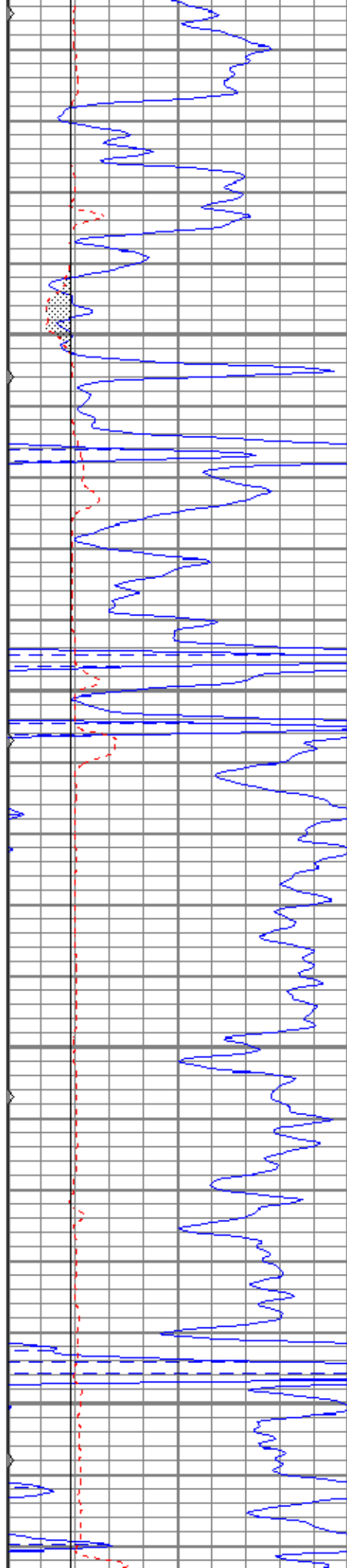
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2650

2700

2750



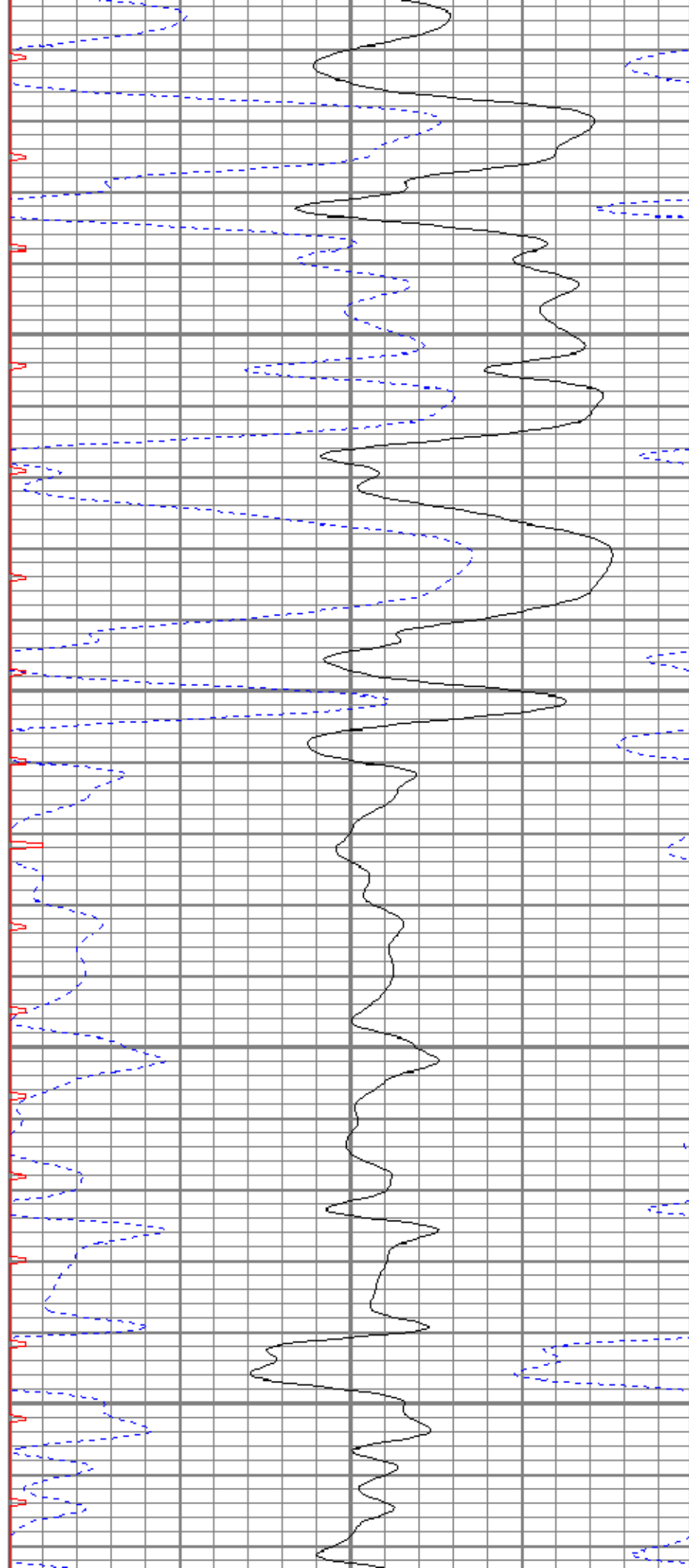


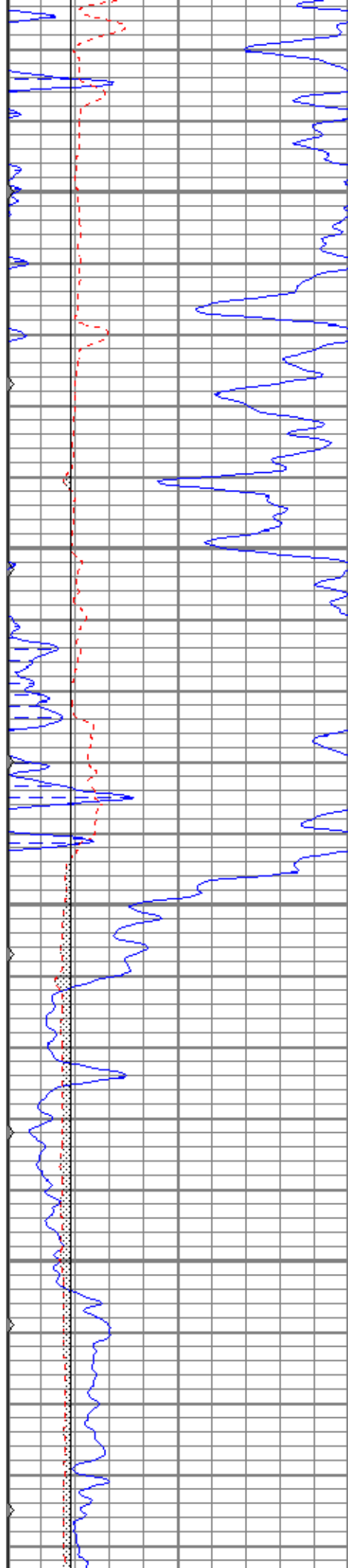
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2850

2900

2950



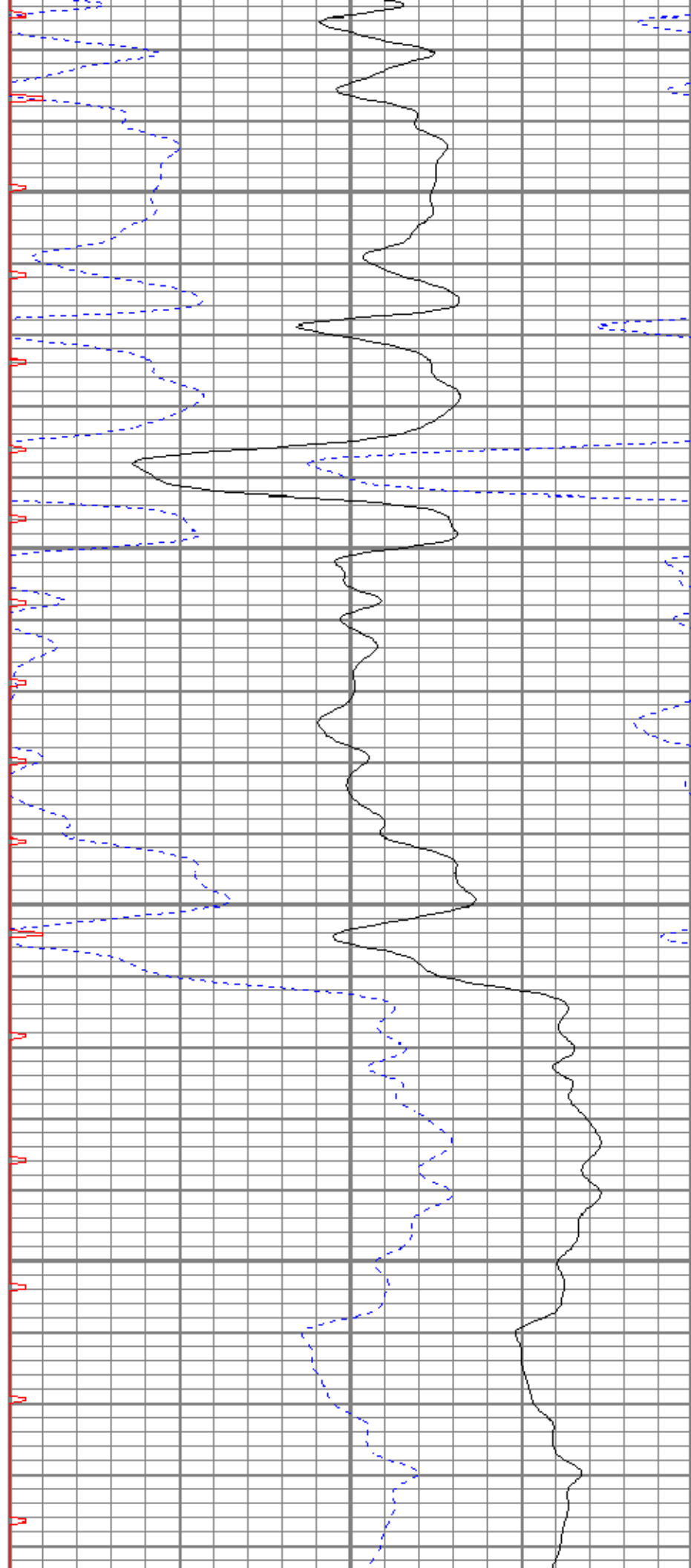


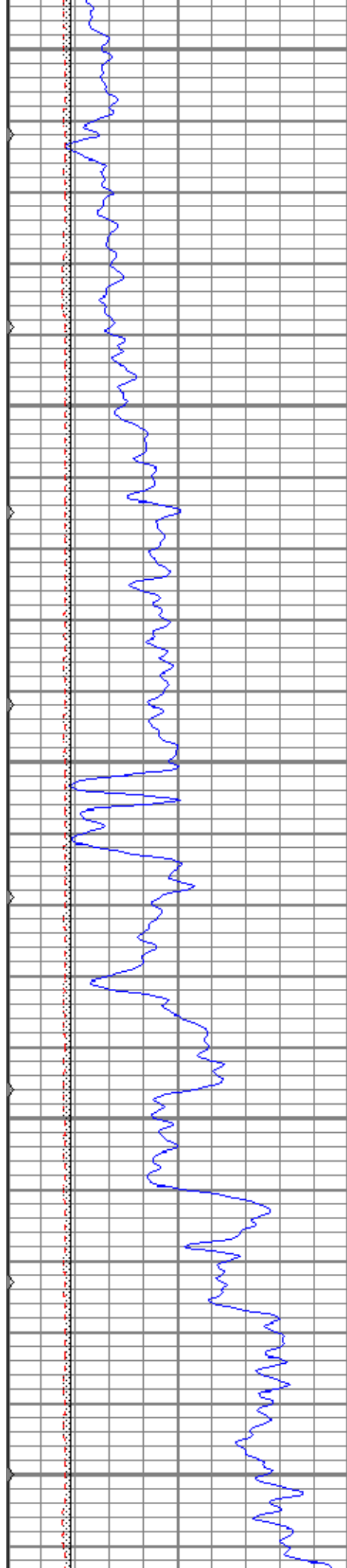
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3050

3100

3150





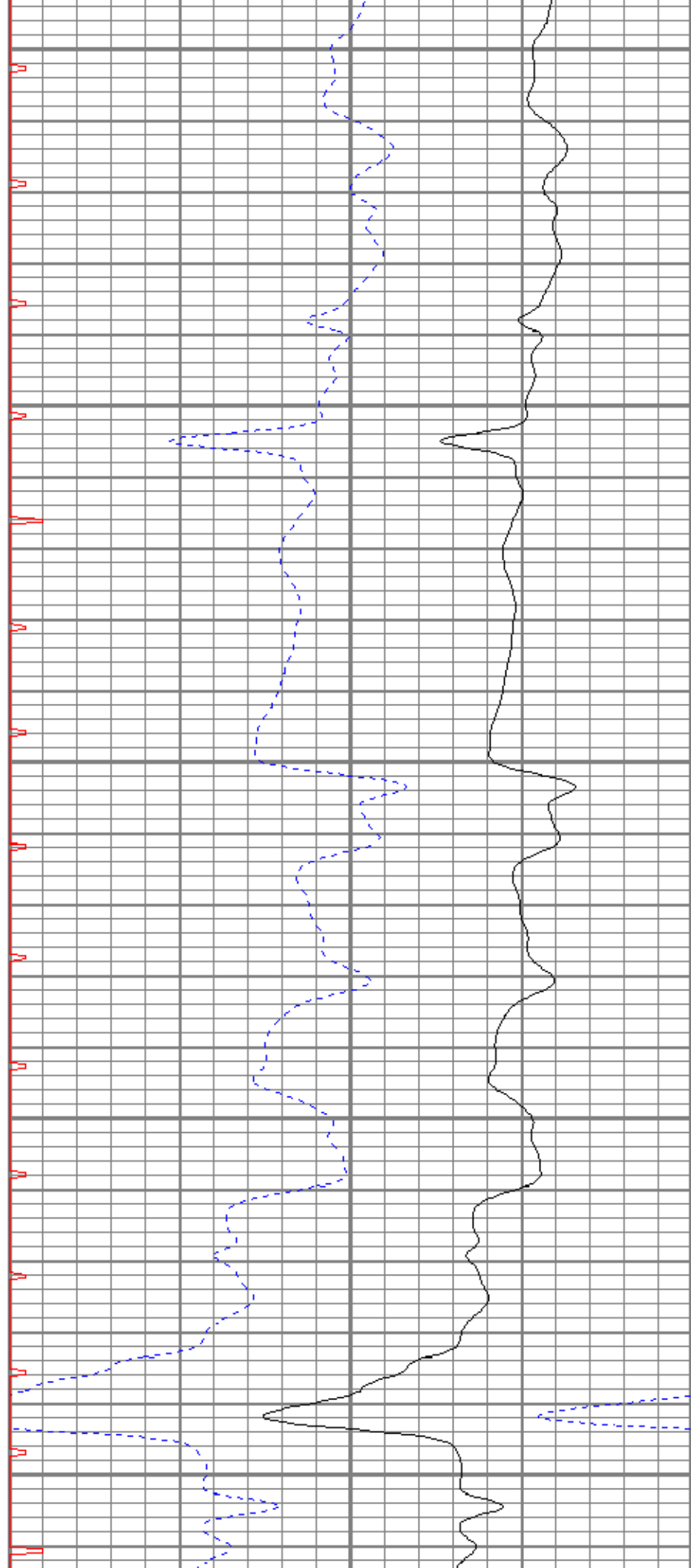
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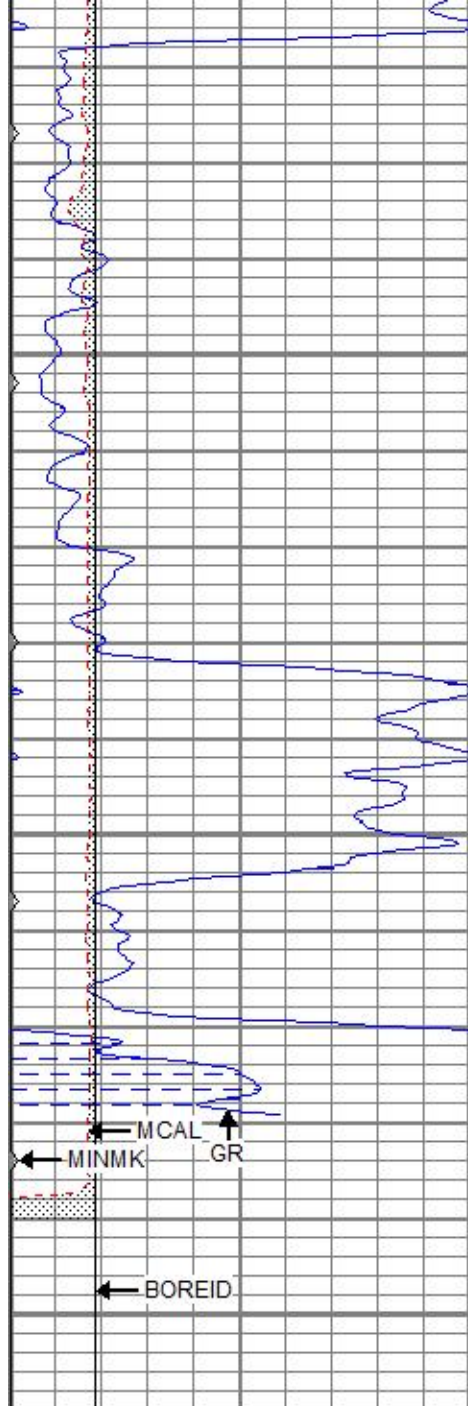
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3300

3350

3400



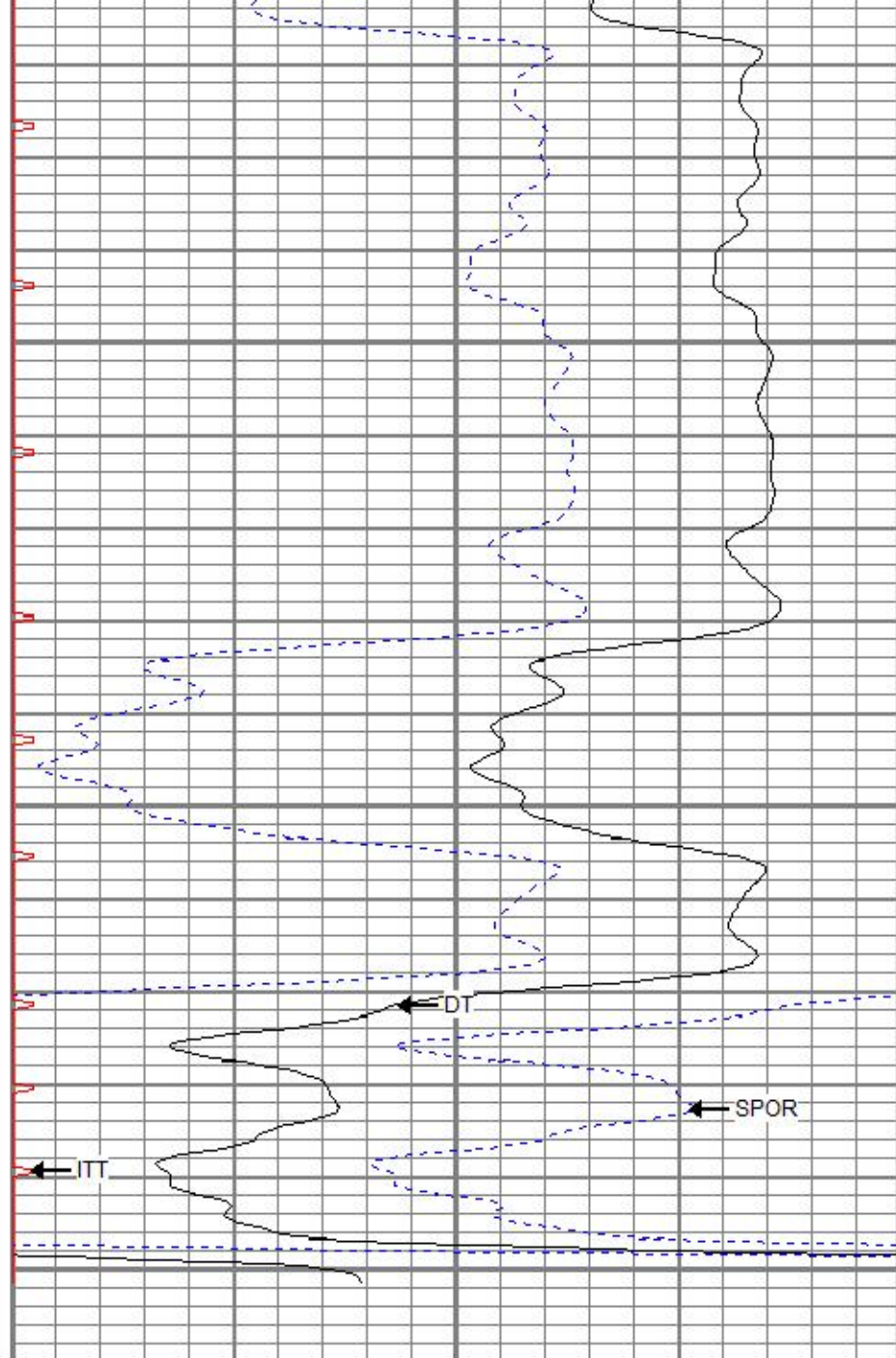


0	GR (GAPI)	150
6	MCAL (in)	16
6	BOREID (in)	16
0	MINMK	50

3450

3500

3550



140	DT (usec/ft)	40
30	SPOR (pu)	-10
0	ITT (msec)	20



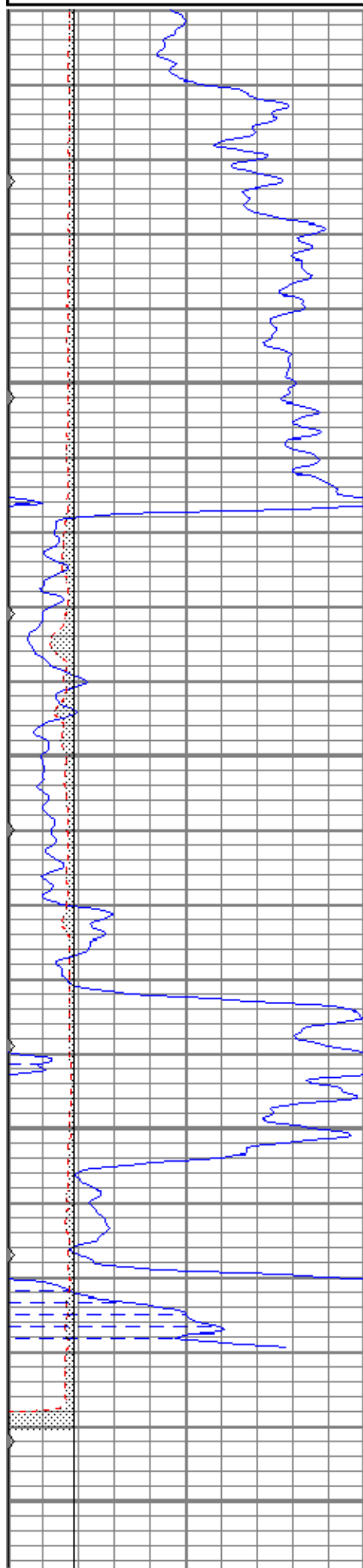
REPEAT SECTION

Database File trohawkins27-1oh.db
 Dataset Pathname pass3
 Presentation Format kbcs
 Dataset Creation Sun Apr 01 23:15:25 2018
 Charted by Depth in Feet scaled 1:240

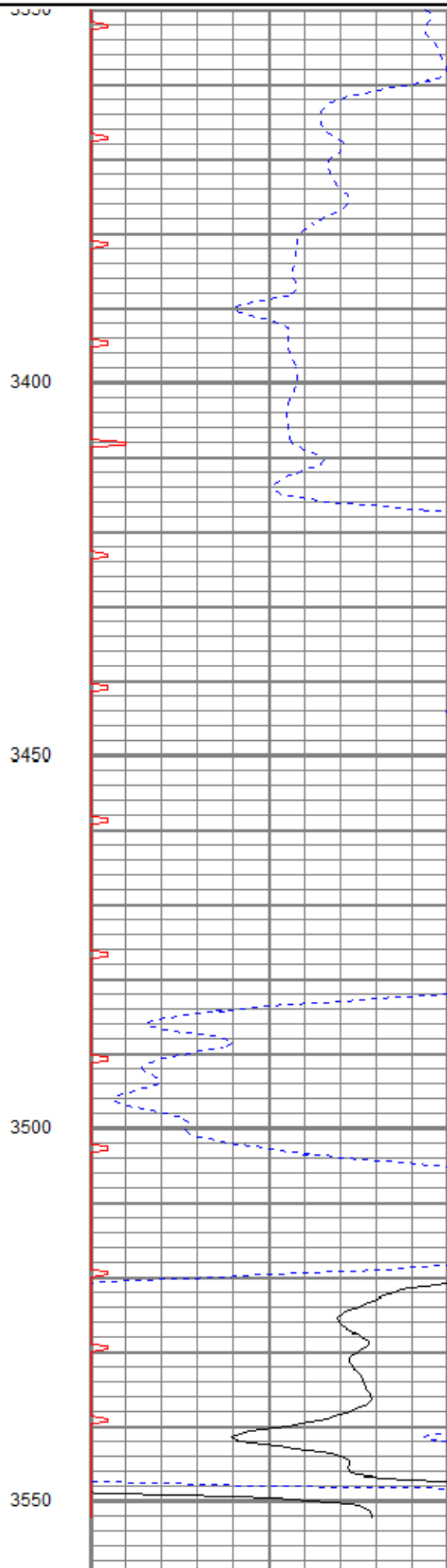
0	GR (GAPI)	150
6	MCAL (in)	16
6	BOREID (in)	16

140	DT (usec/ft)	40
30	SPOR (pu)	-10
0	ITT (msec)	20

BOREID (in) 10
MINMK 50
0



DT (msec) 20
0



GR (GAPI) 150
0

DT (msec) 40
140

6	MCAL (in)	16	30	SPOR (pu)	-10
6	BOREID (in)	16	0	ITT (msec)	20
0	MINMK	50			

Calibration Report								
Database File	trohawkins27-1oh.db							
Dataset Pathname	pass4							
Dataset Creation	Sun Apr 01 23:27:59 2018							
Microlog Calibration Report								
Serial-Model:			1600-Pengo					
Performed:			Sun Apr 01 23:13:16 2018					
Readings			References				Results	
	Zero	Cal		Zero	Cal		m	b
Normal	-0.0004	0.5862	V	0.0000	10.0000	Ohm-m	17.0471	0.0066
Inverse	0.0013	0.7619	V	0.0000	9.5000	Ohm-m	12.4902	-0.0156
Caliper	1.3663	2.2079	V	6.5500	14.0000	in	8.8516	-5.5436
Gamma Ray Calibration Report								
Serial Number:			2001					
Tool Model:			OH					
Performed:			Sun Nov 12 16:26:41 2017					
Calibrator Value:			1.0		GAPI			
Background Reading:			0.0		cps			
Calibrator Reading:			1.0		cps			
Sensitivity:			0.7000		GAPI/cps			

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	28.34		CHD-STD	0.50	1.69	1.00
			GR-OH (2001)	3.56	3.25	40.00
			ML-Pengo (1600)	6.97	3.50	100.00
MCAL	21.51					
MI	21.51					
MN	21.51					
WVF4	14.25		SLT-G (372)	15.71	3.50	250.00
WVF3	13.25		Sonic			
WVF2	10.25					
WVF1	9.25		CENT-OHlong Open Hole long Centralizer	4.50	3.50	50.00
Dataset:			trohawkins27-1oh.db: field/well/run1/pass4			
Total length:			31.24 ft			
Total weight:			441.00 lb			
O.D.:			3.50 in			