



SUPERIOR
Black Lick, Pa.
Mercer, Pa.
Wooster, Oh.
Cleveland, Ok.
Trinidad, Co.

COMPENSATED DENSITY/NEUTRON LOG

Company XTO Energy Inc.
Well New Elk 25-06
Field Purgatoire River
County Las Animas State Colorado

Location: API # : 05 071 09536 00

1615' FNL & 2119' FWL

Other Services
DIL

SEC 25 TWP 33S RGE 68W

Permanent Datum	Ground Level	Elevation	7743'
Log Measured From	Ground Level		
Drilling Measured From	Ground Level		

Elevation
K.B. -----
D.F. -----
G.L. 7743'

Date 6-30-08

Run Number One

Depth Driller 2200'

Depth Logger 2200'

Bottom Logged Interval 2183'

Top Log Interval Surface Casing

Casing Driller 8 5/8" @ 918'

Casing Logger 912'

Bit Size 7 7/8"

Type Fluid in Hole Water

Density / Viscosity ///

pH / Fluid Loss ///

Source of Sample ///

Rm @ Meas. Temp ///

Rmf @ Meas. Temp ///

Rmc @ Meas. Temp ///

Source of Rmf / Rmc ///

Rm @ BHT ///

Time Circulation Stopped 1:00 A.M.

Time Logger on Bottom 3:30 A.M.

Maximum Recorded Temperature 117 DEG F

Equipment Number T697

Location Trinidad

Recorded By J. Cappellucci

Witnessed By Mr. Don Johnson

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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

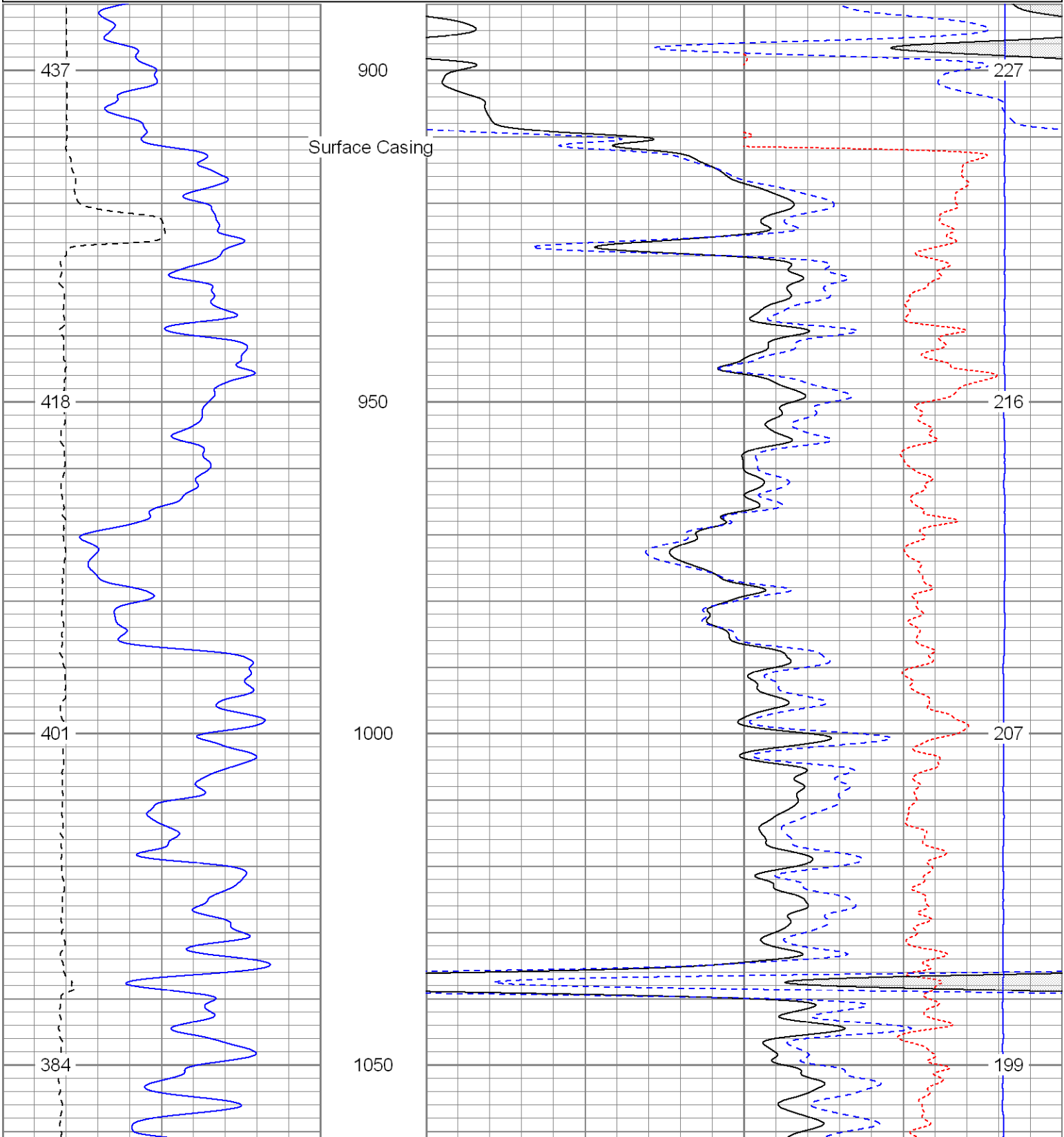
Density Neutron Porosity Presented on Sandstone Matrix.
ABHV Calculated for 5 1/2" Casing.
Well Directions:
Second Bosque Entrance, straight across railroad tracks, at Y stay right to
Apache canyon, drive through 4 drive thru locations take next right,
at top of hill at Y stay left, dead end on location.

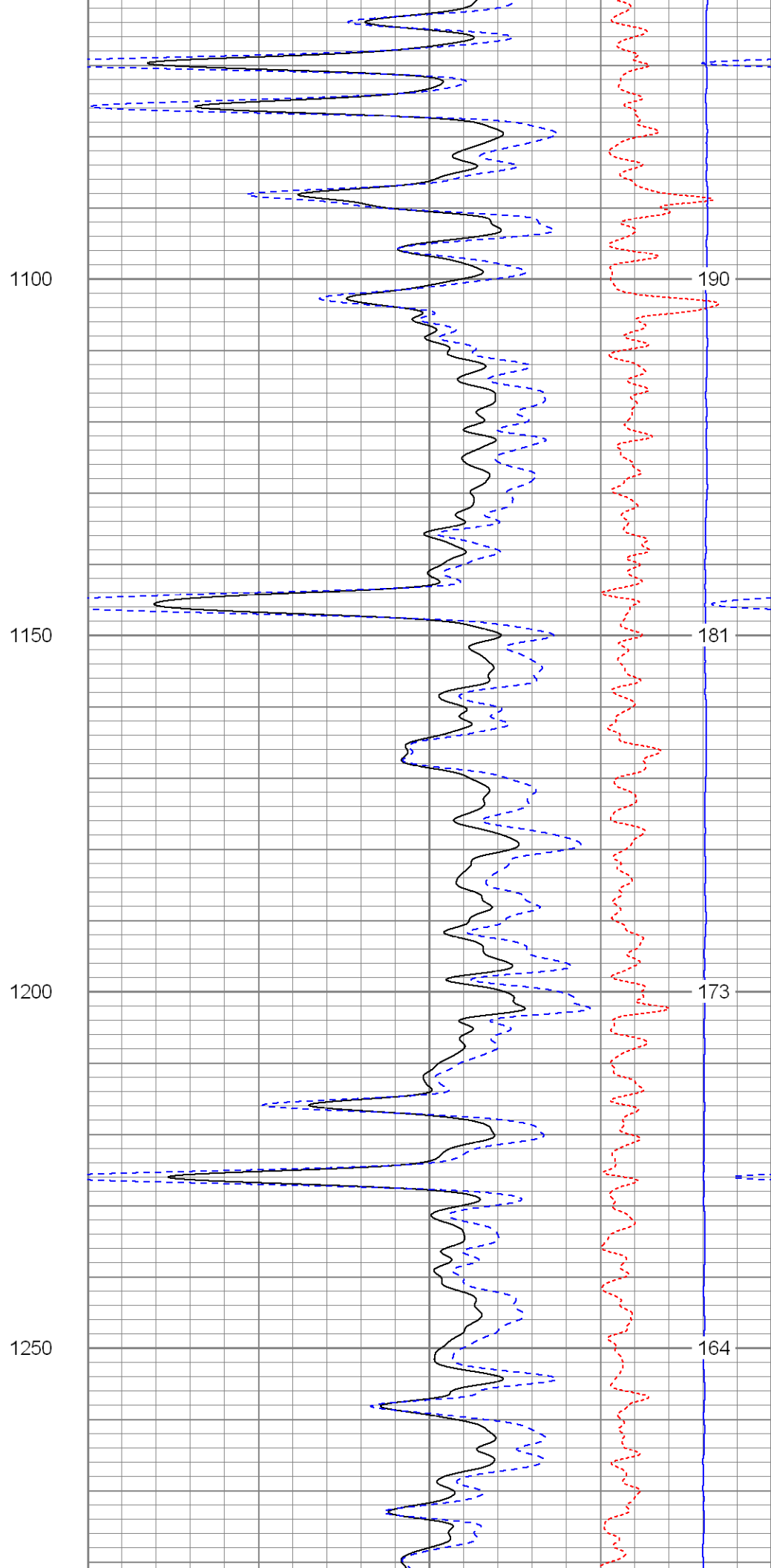
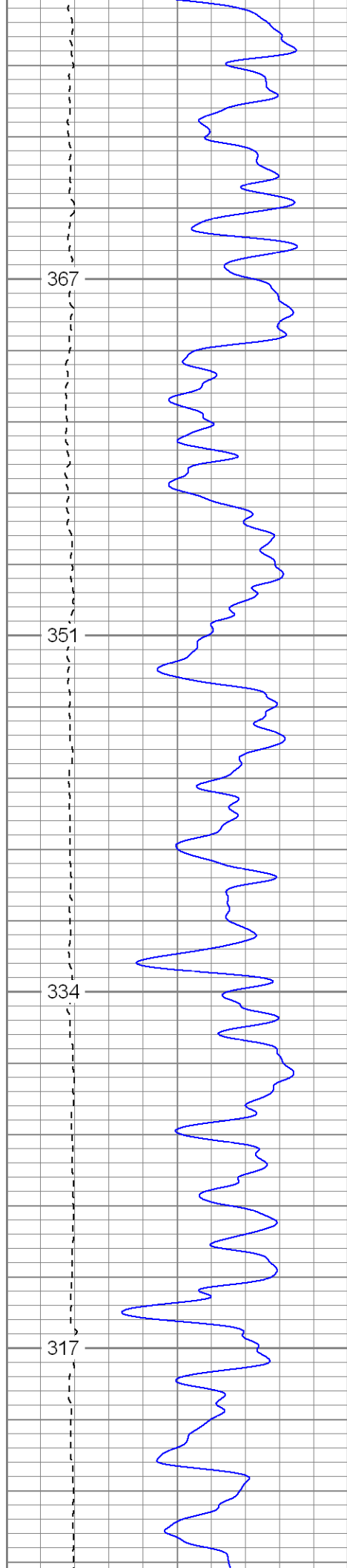


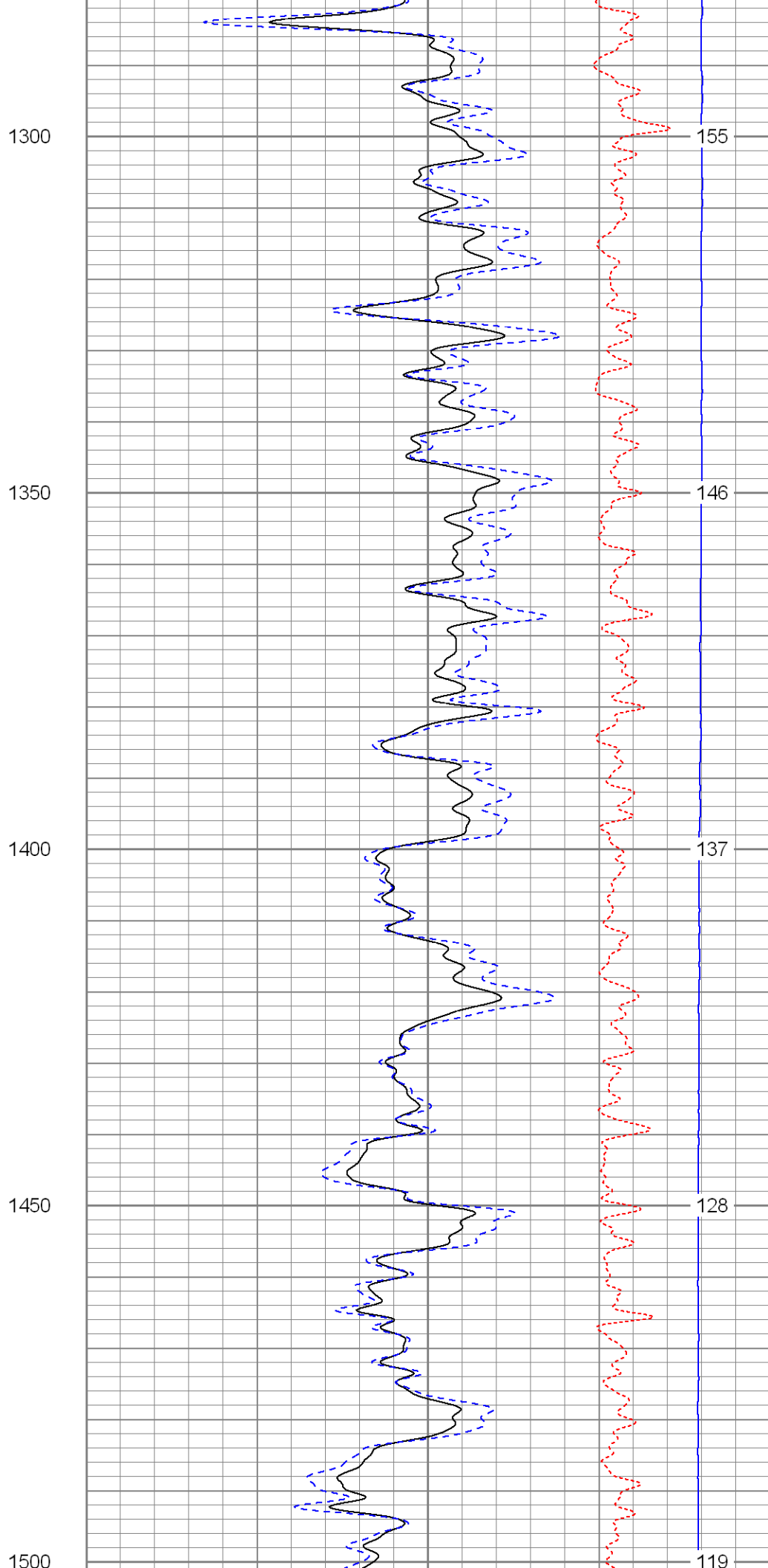
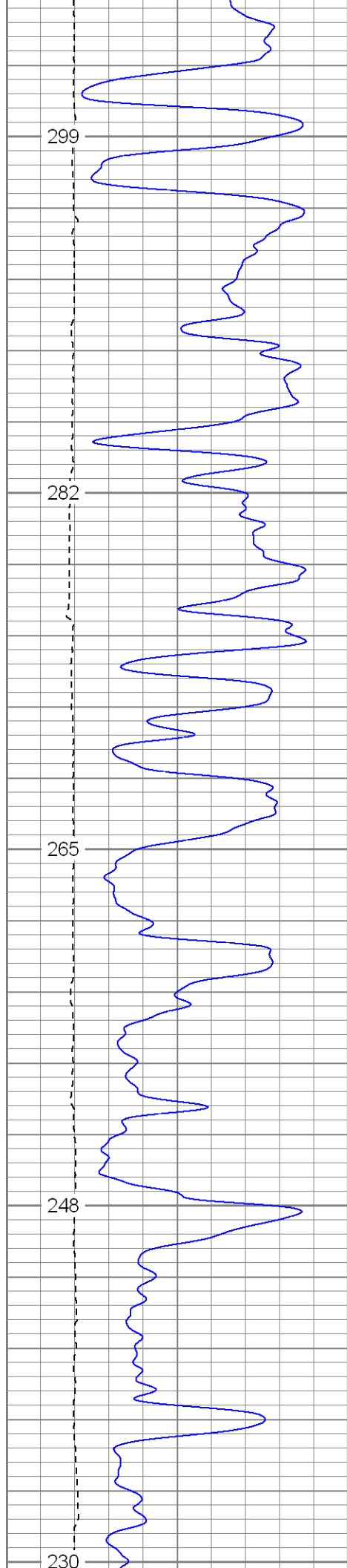
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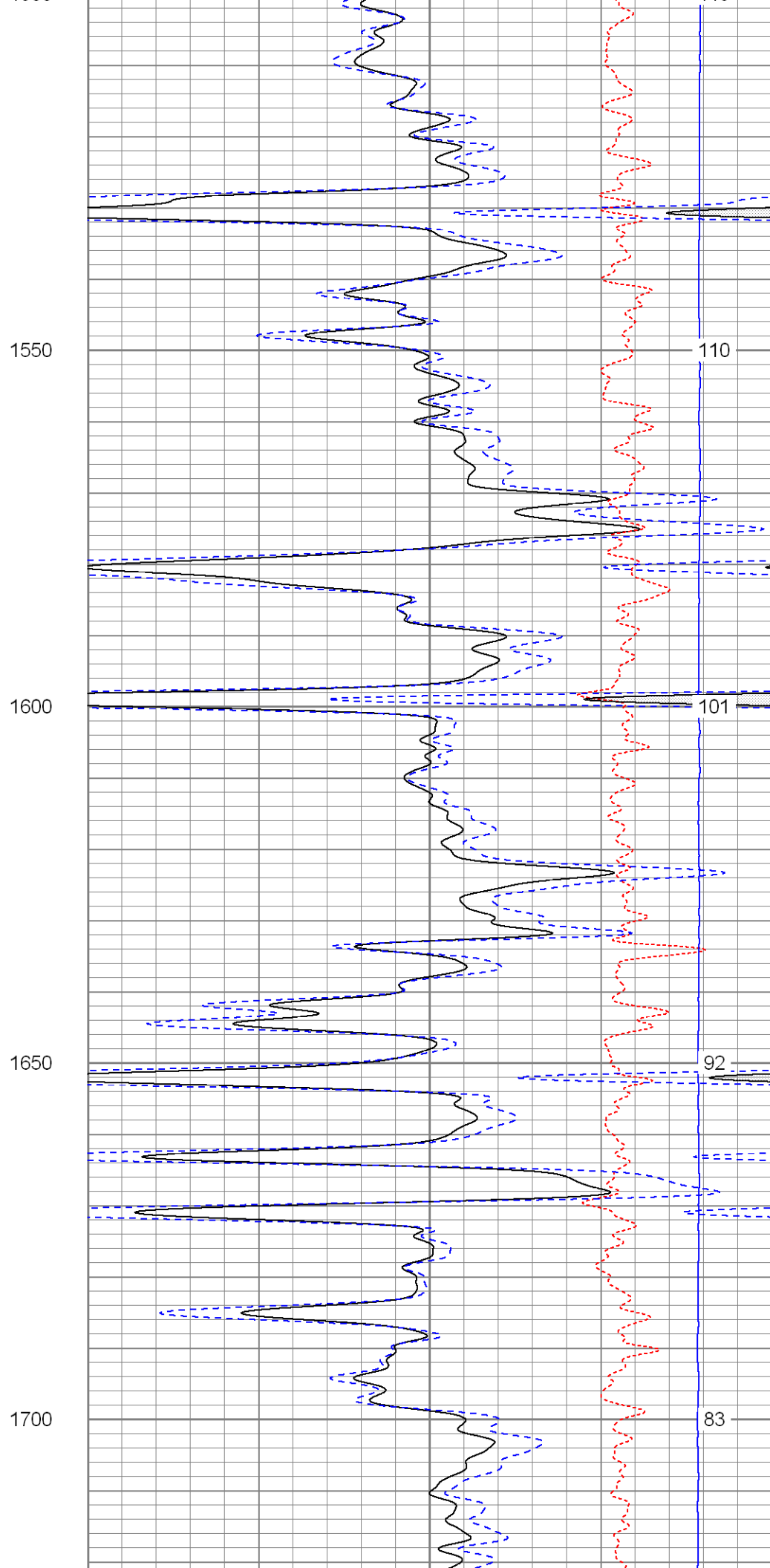
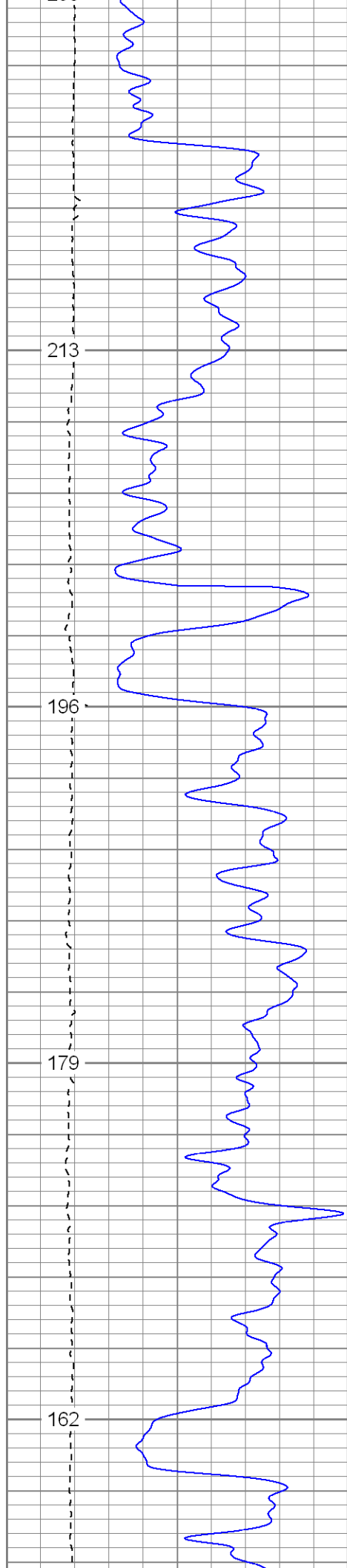
Main Pass

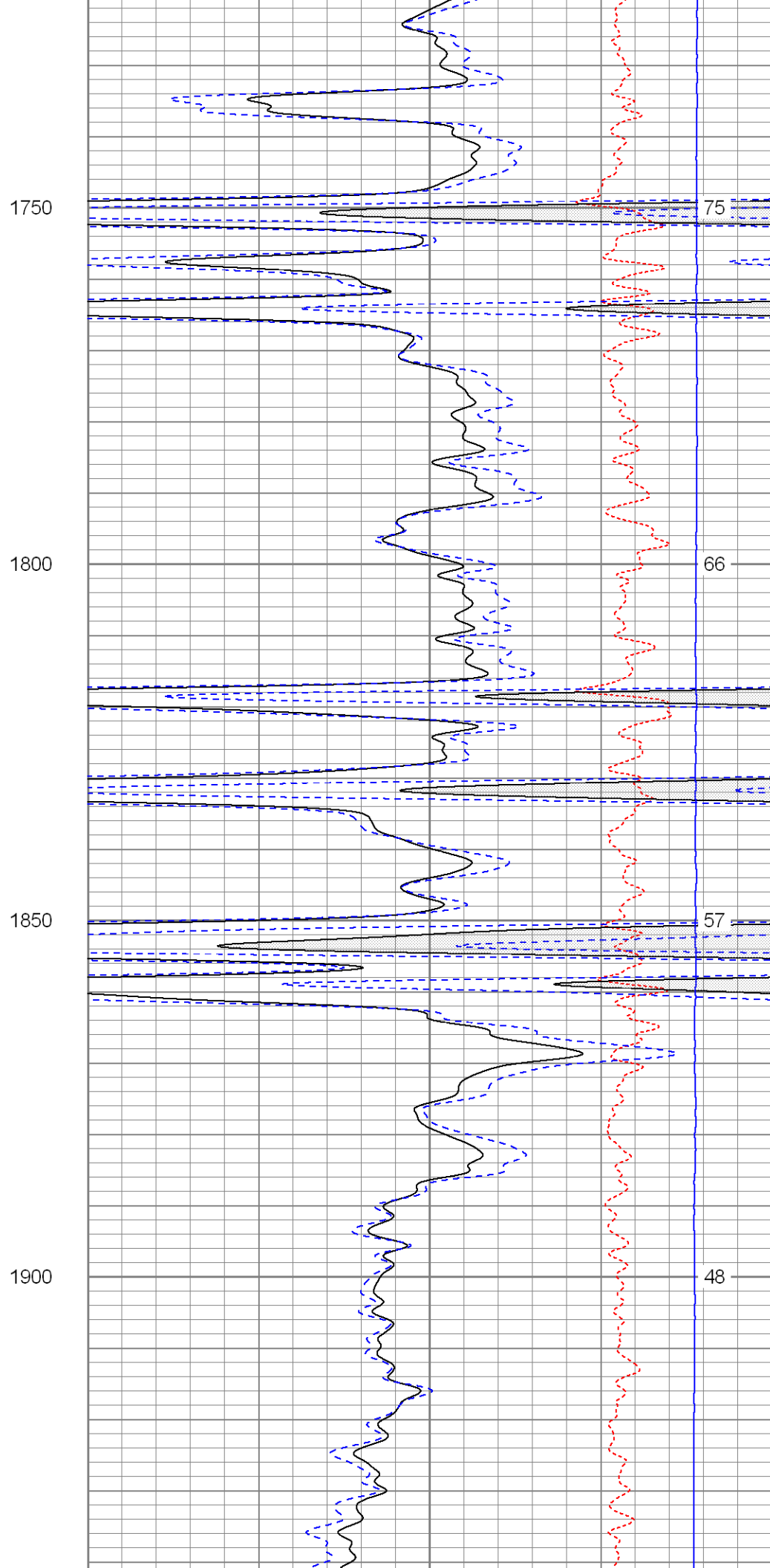
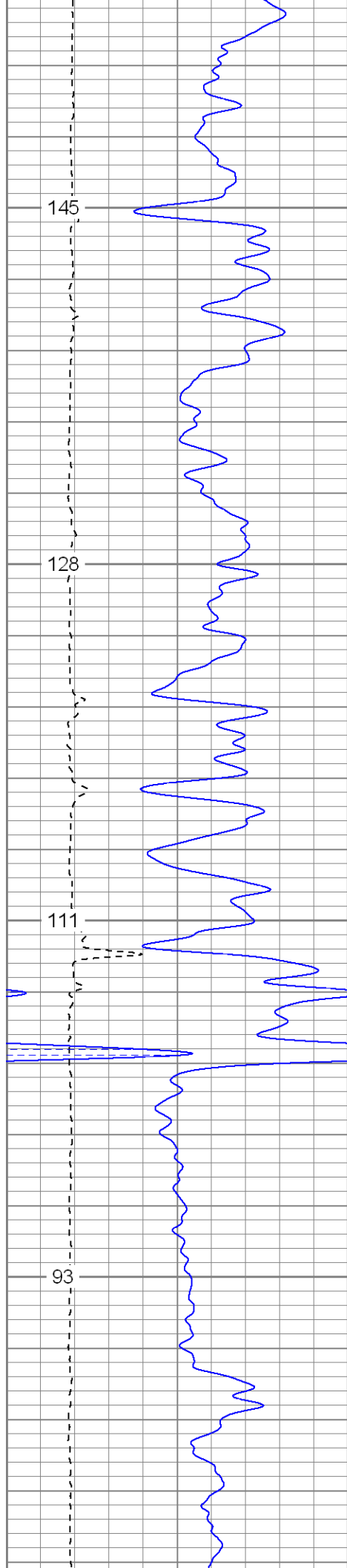
0	GR (GAPI)	200	2	RHOB (g/cc)	3	
6	DCAL (in)	16	1	RHOB (g/cc)	2	
TBHV (ft3)			30	DPOR (pu)	-10	
				-0.5	RHOC (g/cc)	0.5
				7000	LTEN (lb)	0
					ABHV (ft3)	

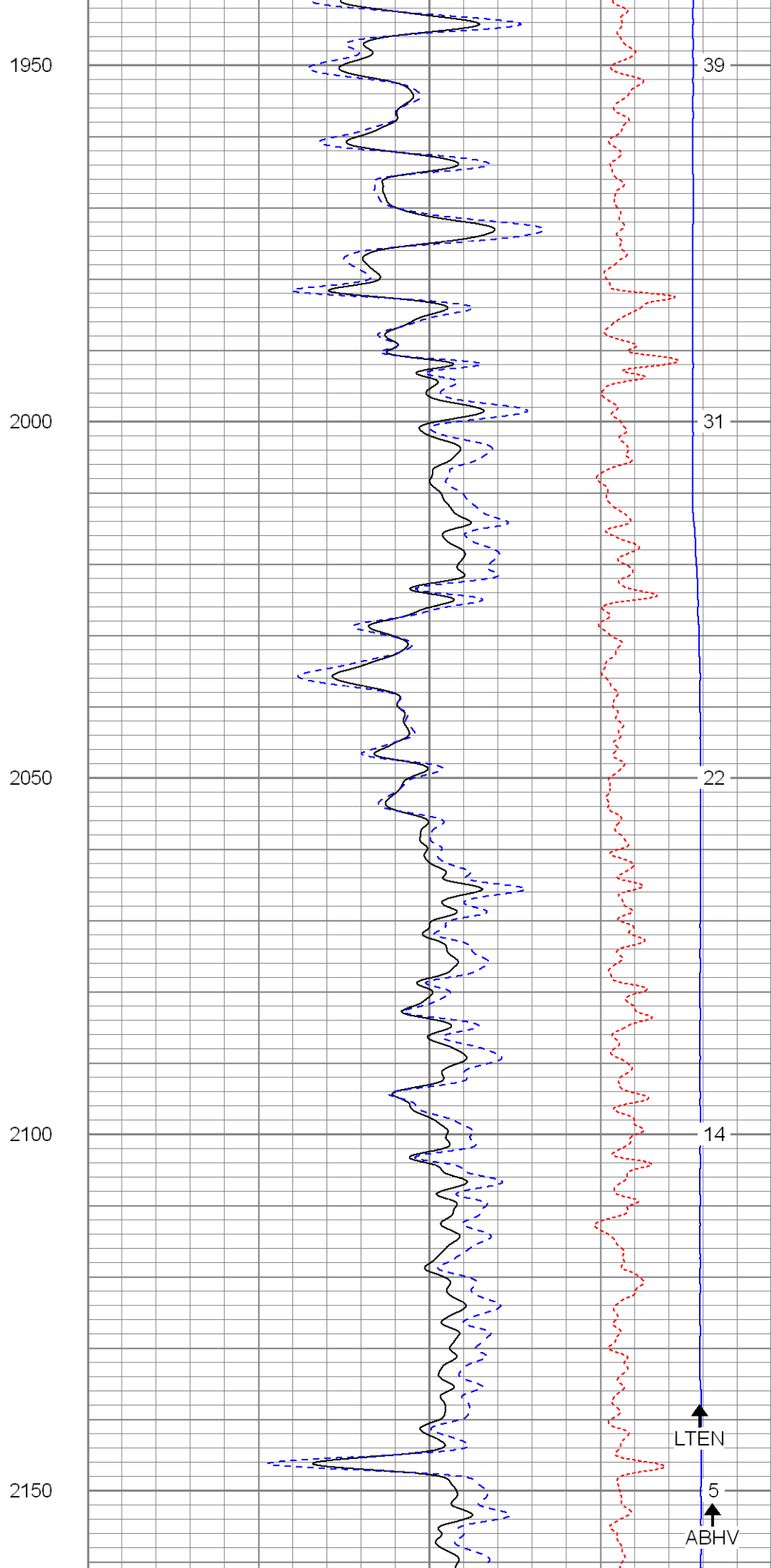
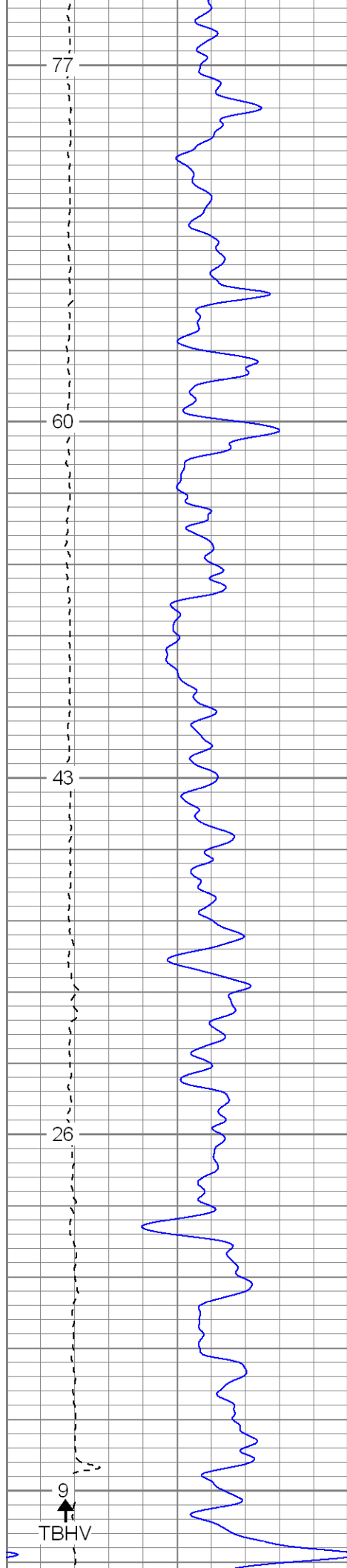


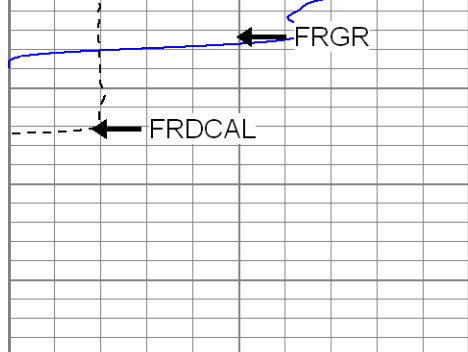




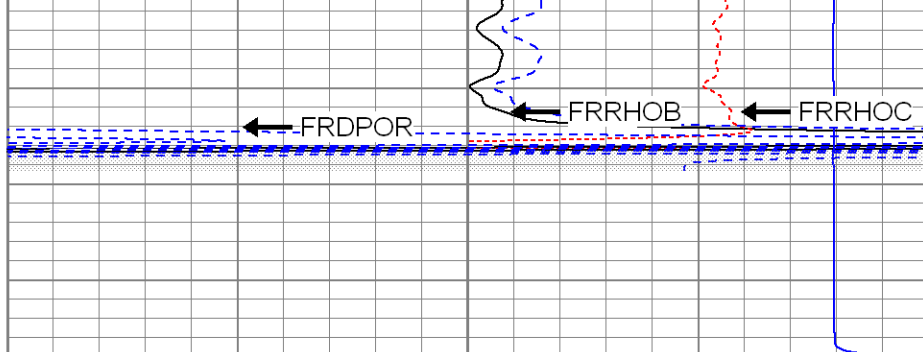








0	GR (GAPI)	200
6	DCAL (in)	16
TBHV (ft3)		



2	RHOB (g/cc)	3
1	RHOB (g/cc)	2
30	DPOR (pu)	-10

-0.5	RHOC (g/cc)	0.5
7000	LTEN (lb)	0

ABHV (ft3)



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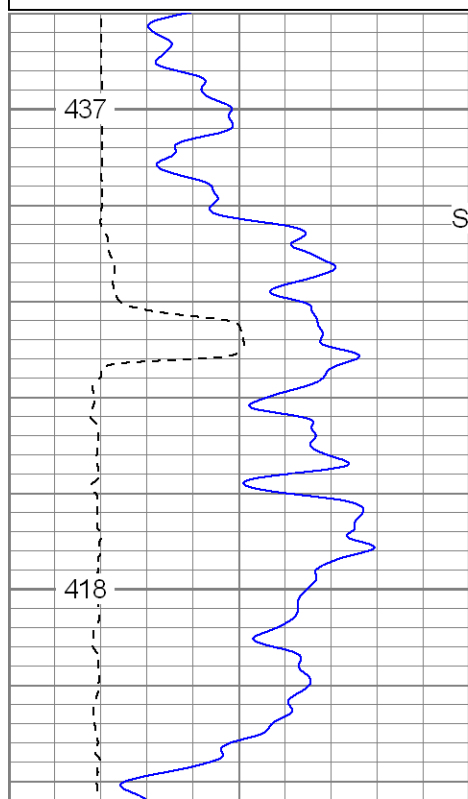
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Dataset Pathname: pass2.1
Presentation Format: cdnl
Dataset Creation: Mon Jun 30 05:10:03 2008 by Calc Open-Cased 070814
Charted by: Depth in Feet scaled 1:240

0	GR (GAPI)	200
6	DCAL (in)	16
TBHV (ft3)		

30	NPOR (pu)	-10
30	DPOR (pu)	-10

-0.5	RHOC (g/cc)	0.5
7000	LTEN (lb)	0

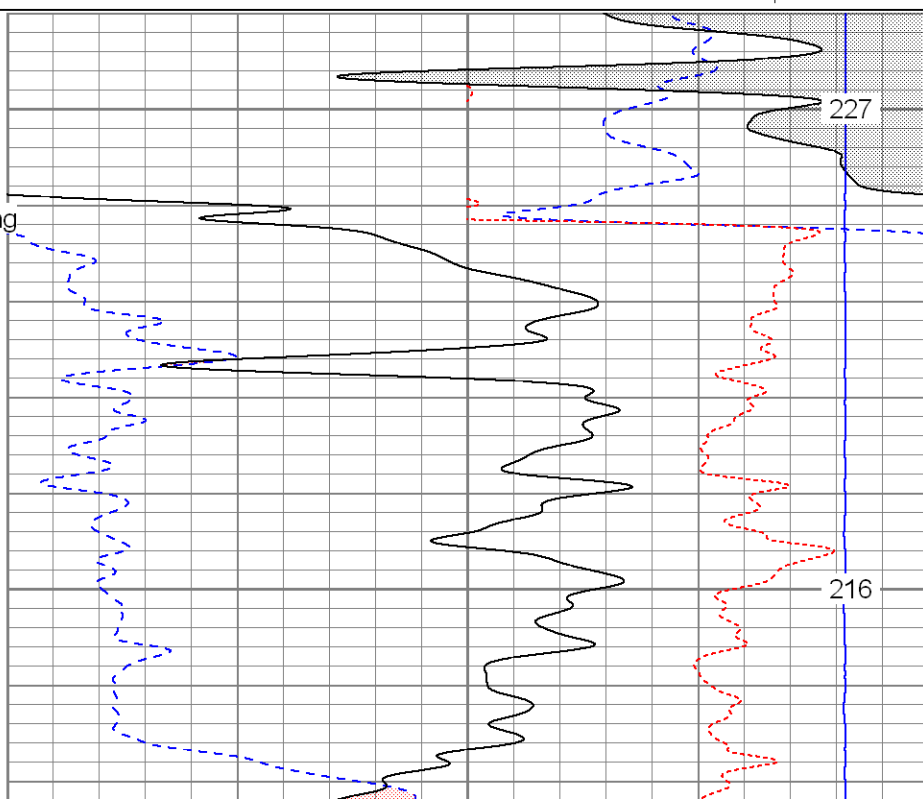
ABHV (ft3)



900

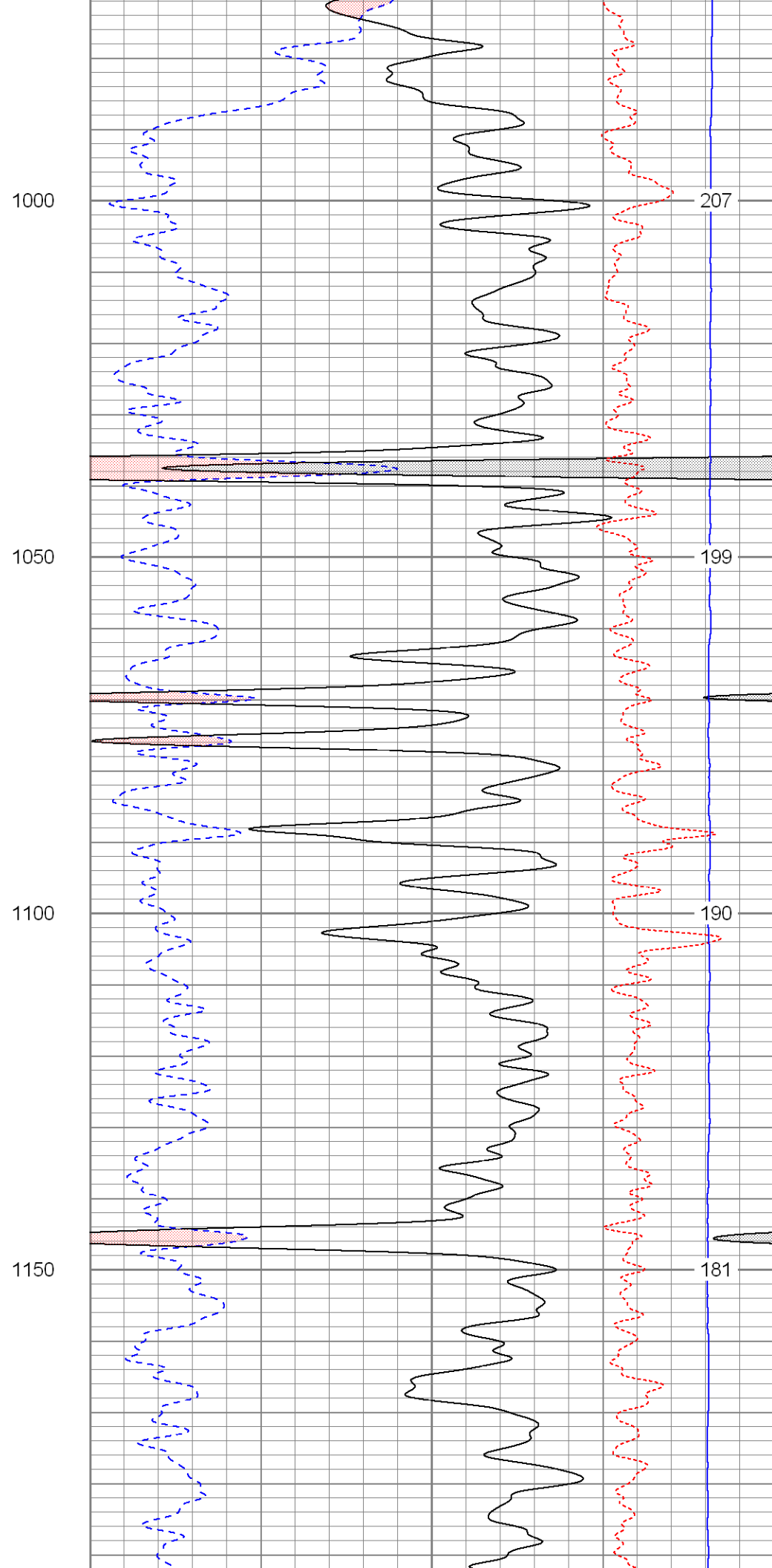
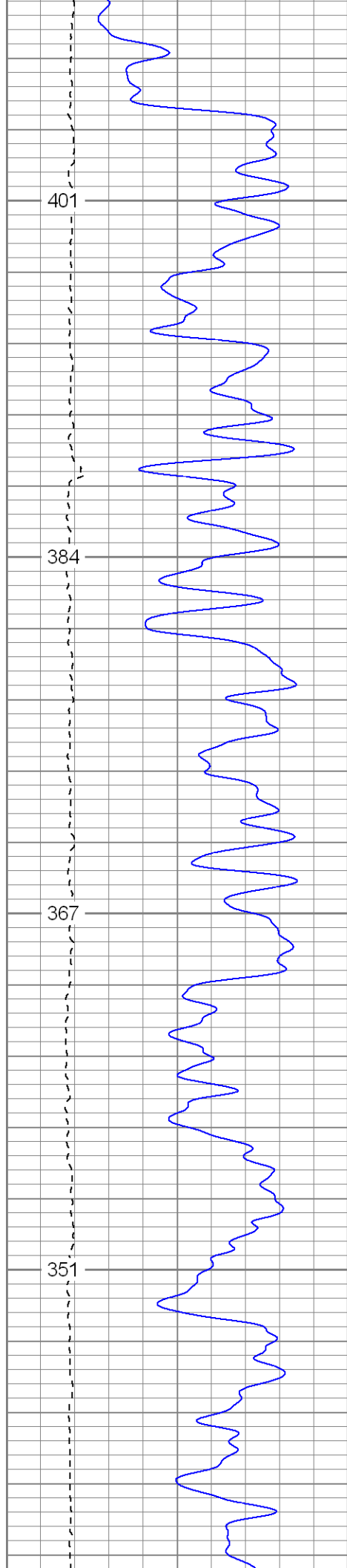
Surface Casing

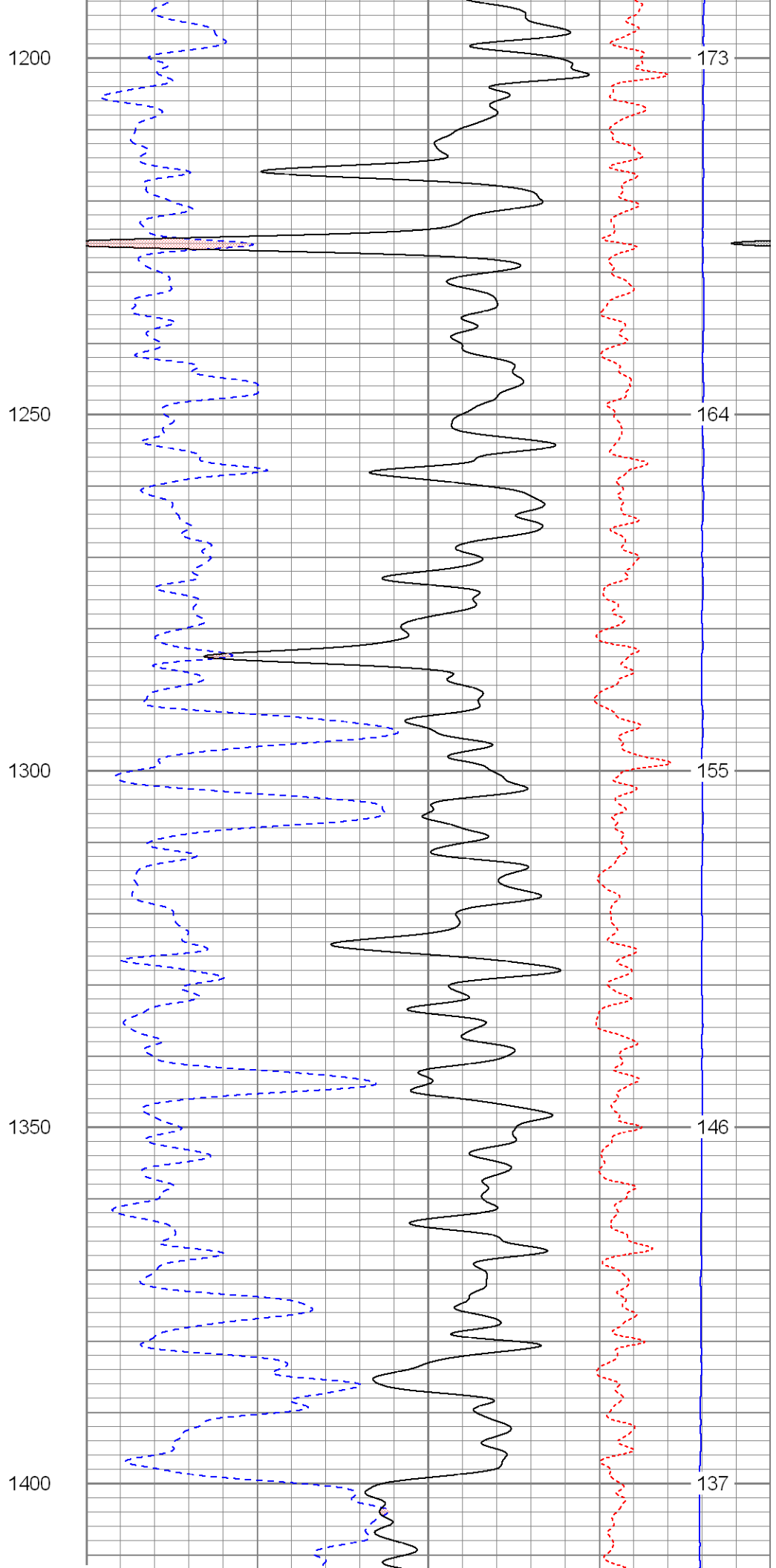
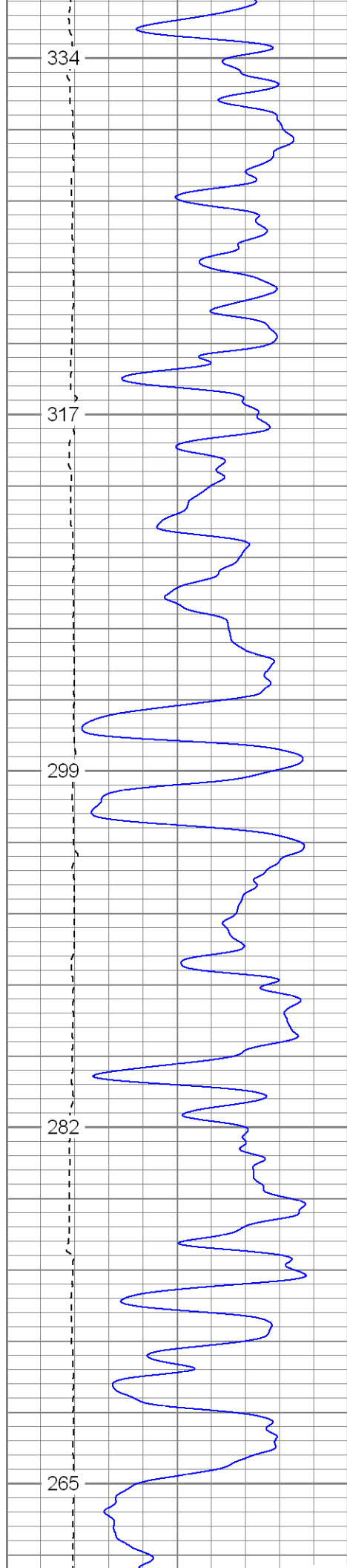
950

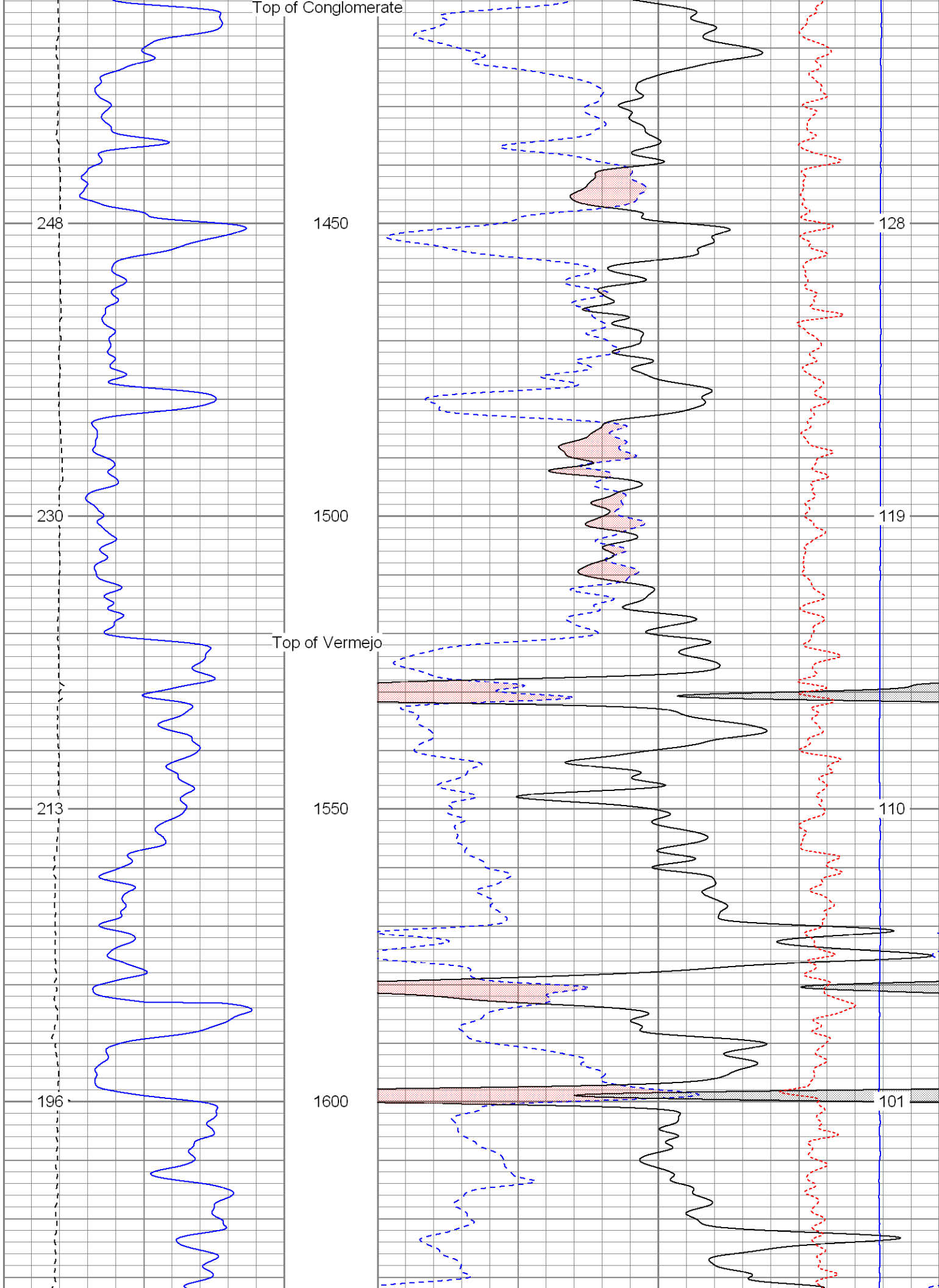


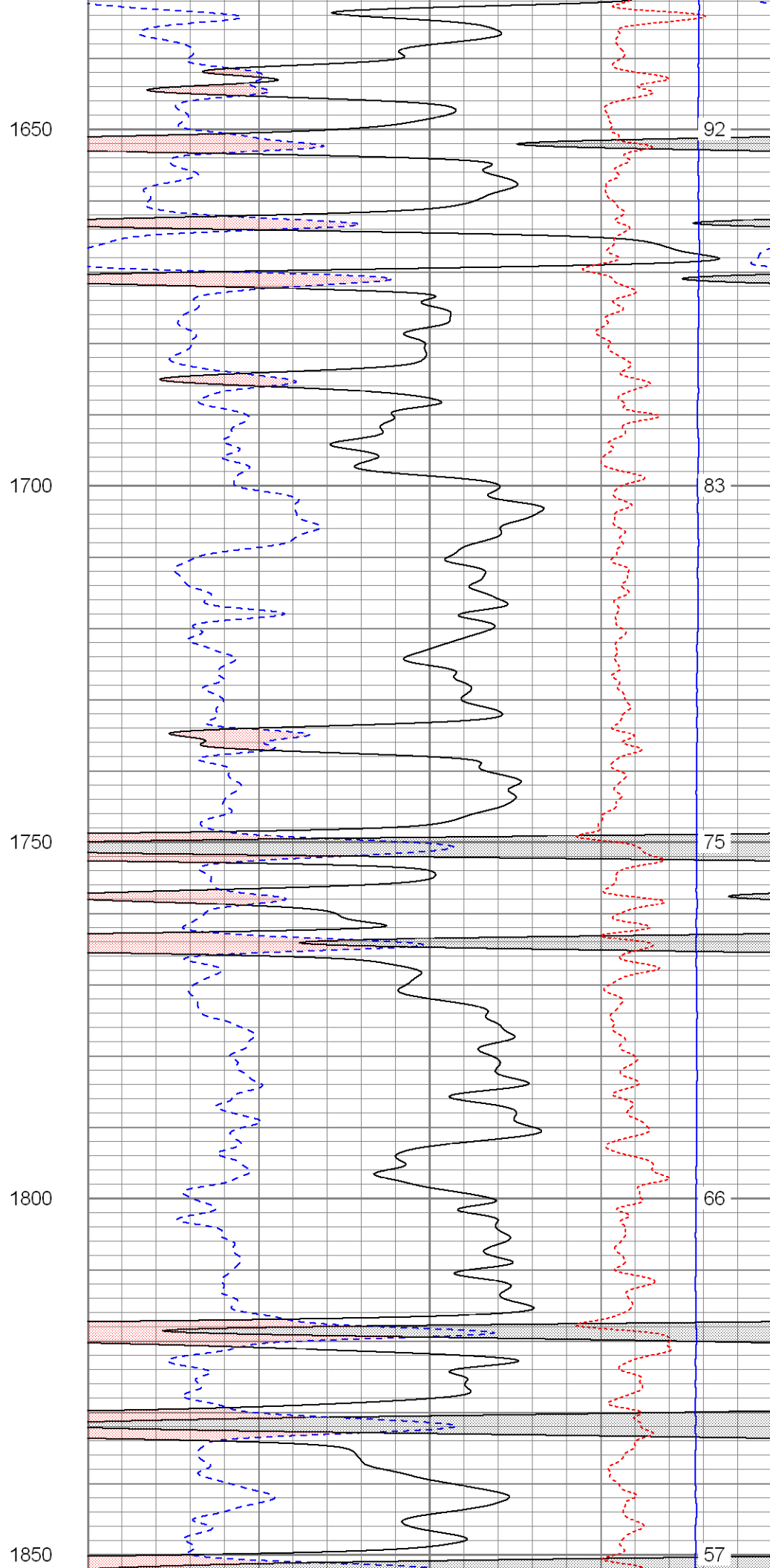
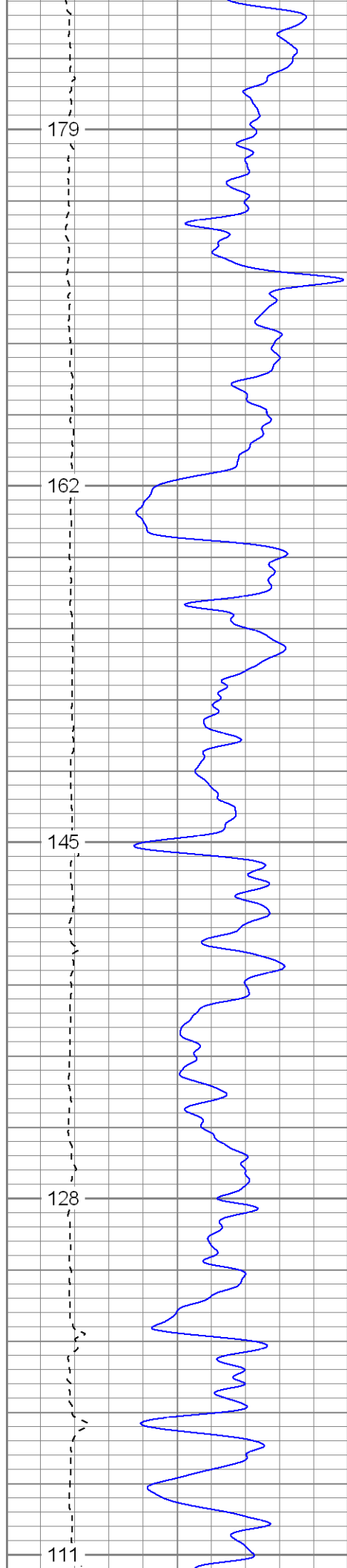
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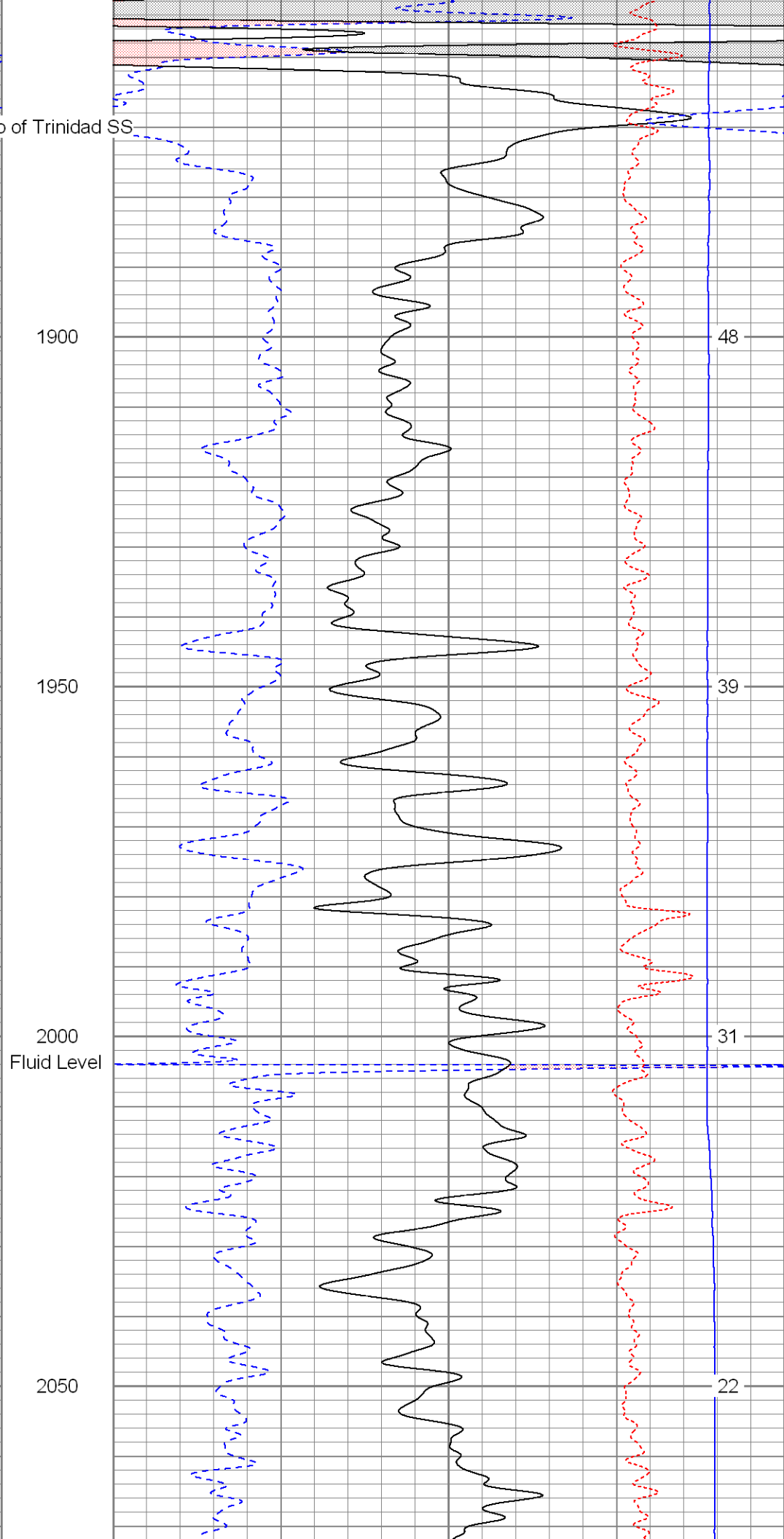
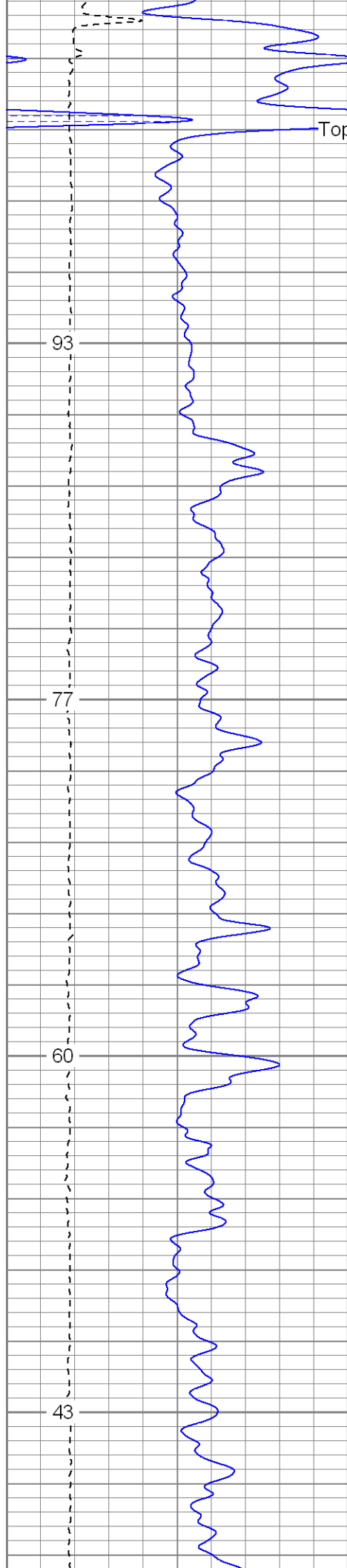
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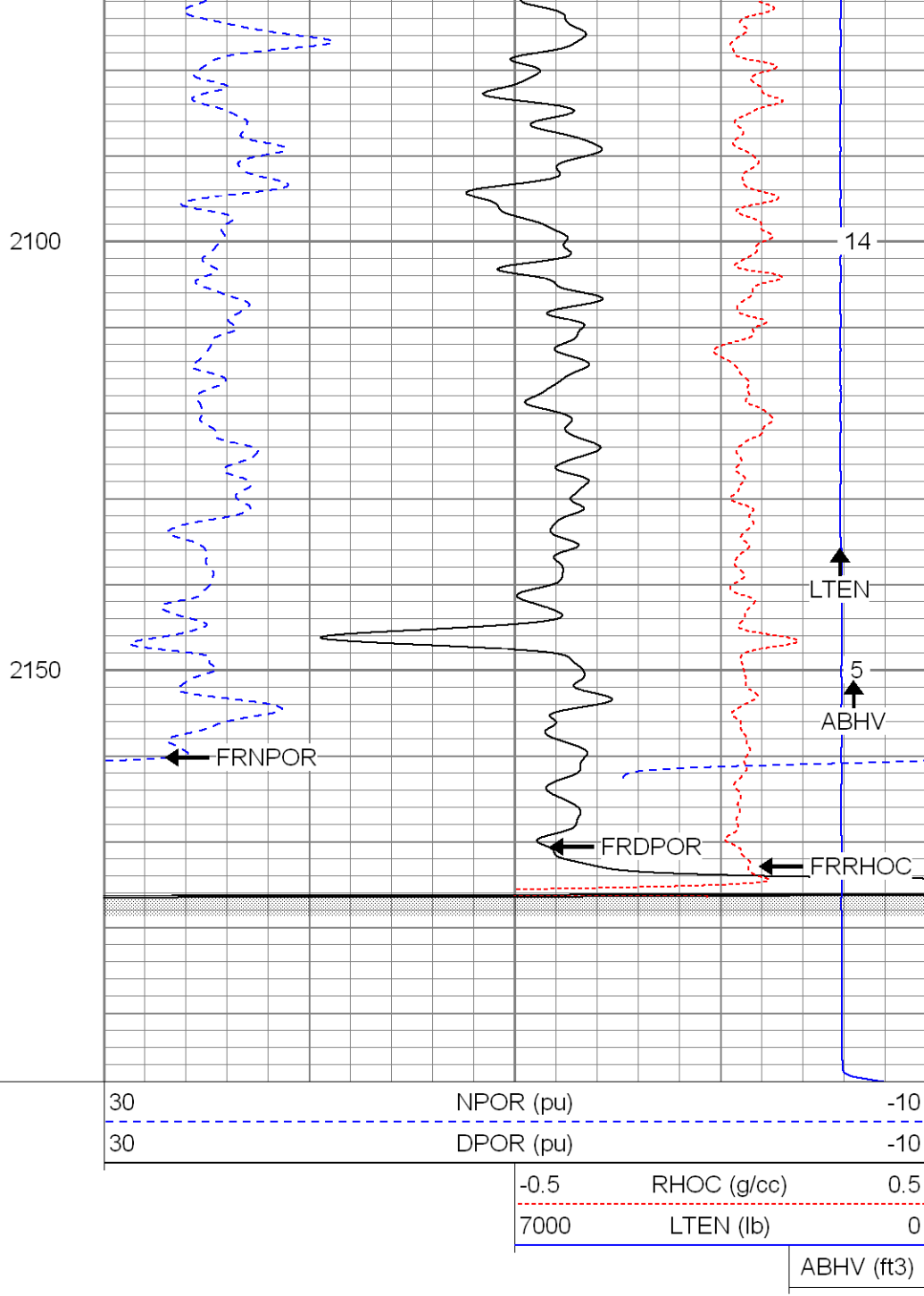
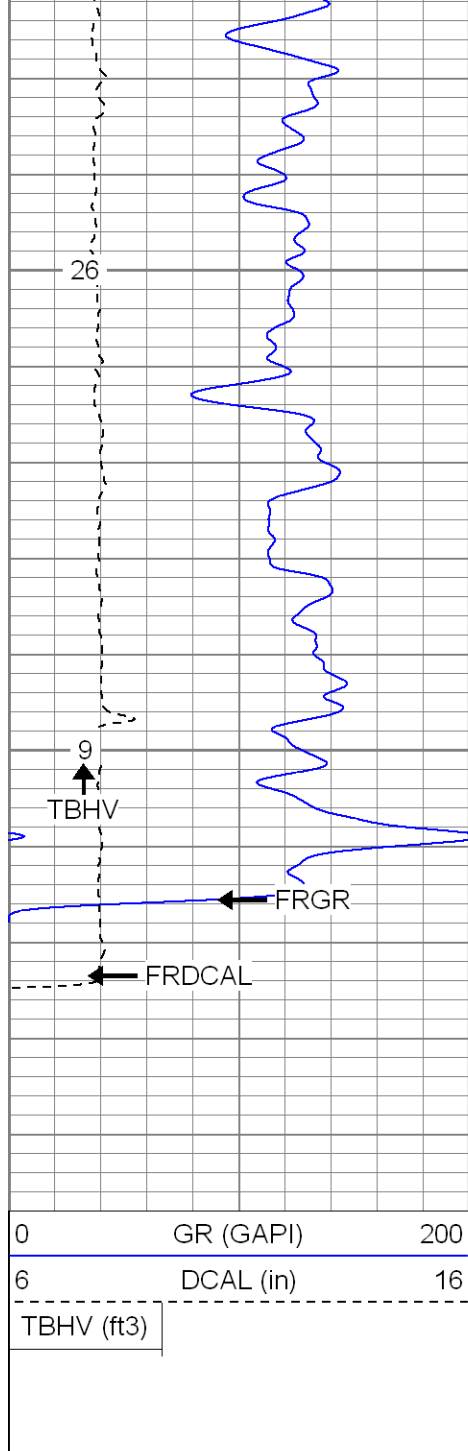












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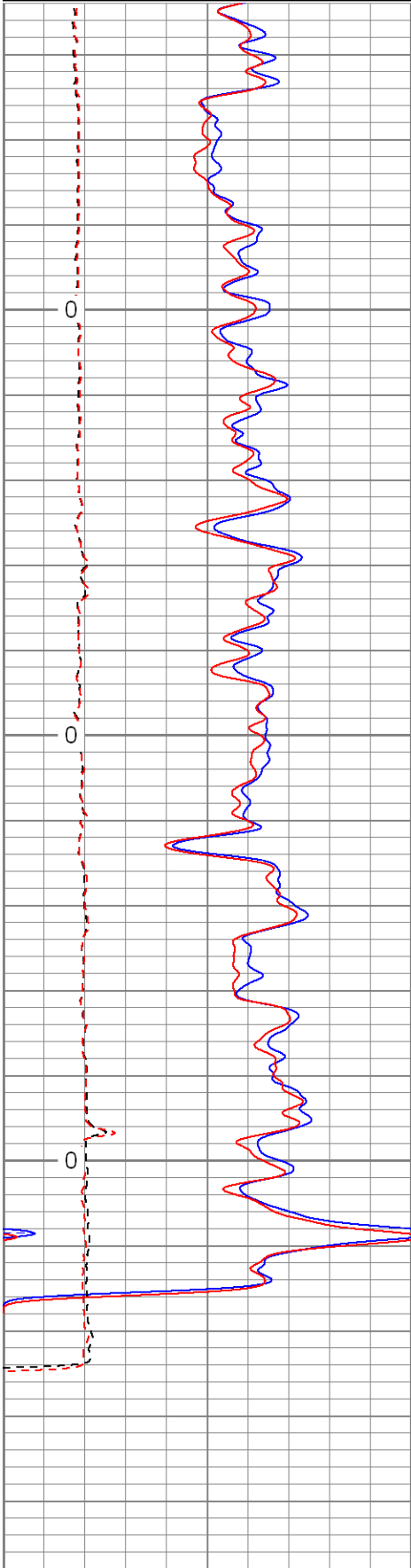
Repeat Pass

Database File: xtone2506.db
Dataset Pathname: pass1.1
Presentation Format: cdnl
Dataset Creation: Mon Jun 30 03:58:41 2008 by Calc Open-Cased 070814
Charted by: Depth in Feet scaled 1:240

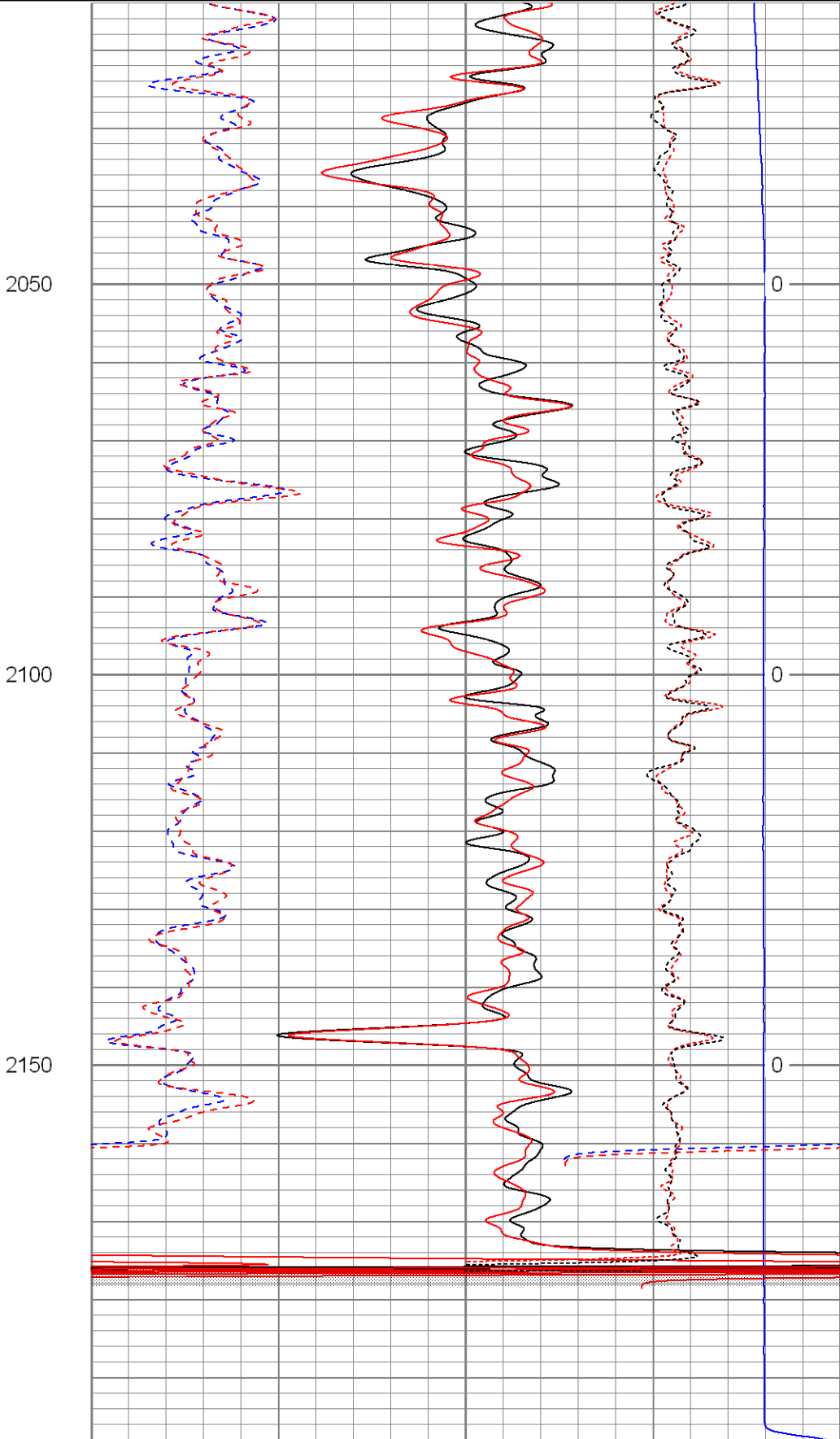
0	GR (GAPI)	200
6	DCAL (in)	16
0	GR-repeat (GAPI)	200
6	DCAL-repeat (in)	16
TBHV (ft3)		

30	NPOR (pu)	-10
30	DPOR (pu)	-10
30	NPOR-repeat (pu)	-10
30	DPOR-repeat (pu)	-10
-0.5	RHOC (g/cc)	0.5

7000	LTEN (lb)	0
-0.5	RHOC-repeat (g/cc)	0.5
		ABHV (ft3)



0	GR (GAPI)	200
6	DCAL (in)	16
0	GR-repeat (GAPI)	200
6	DCAL-repeat (in)	16



30	NPOR (pu)	-10
30	DPOR (pu)	-10
30	NPOR-repeat (pu)	-10
30	DPOR-repeat (pu)	-10

TBHV (ft3)

-0.5	RHOC (g/cc)	0.5
7000	LTEN (lb)	0
-0.5	RHOC-repeat (g/cc)	0.5
		ABHV (ft3)



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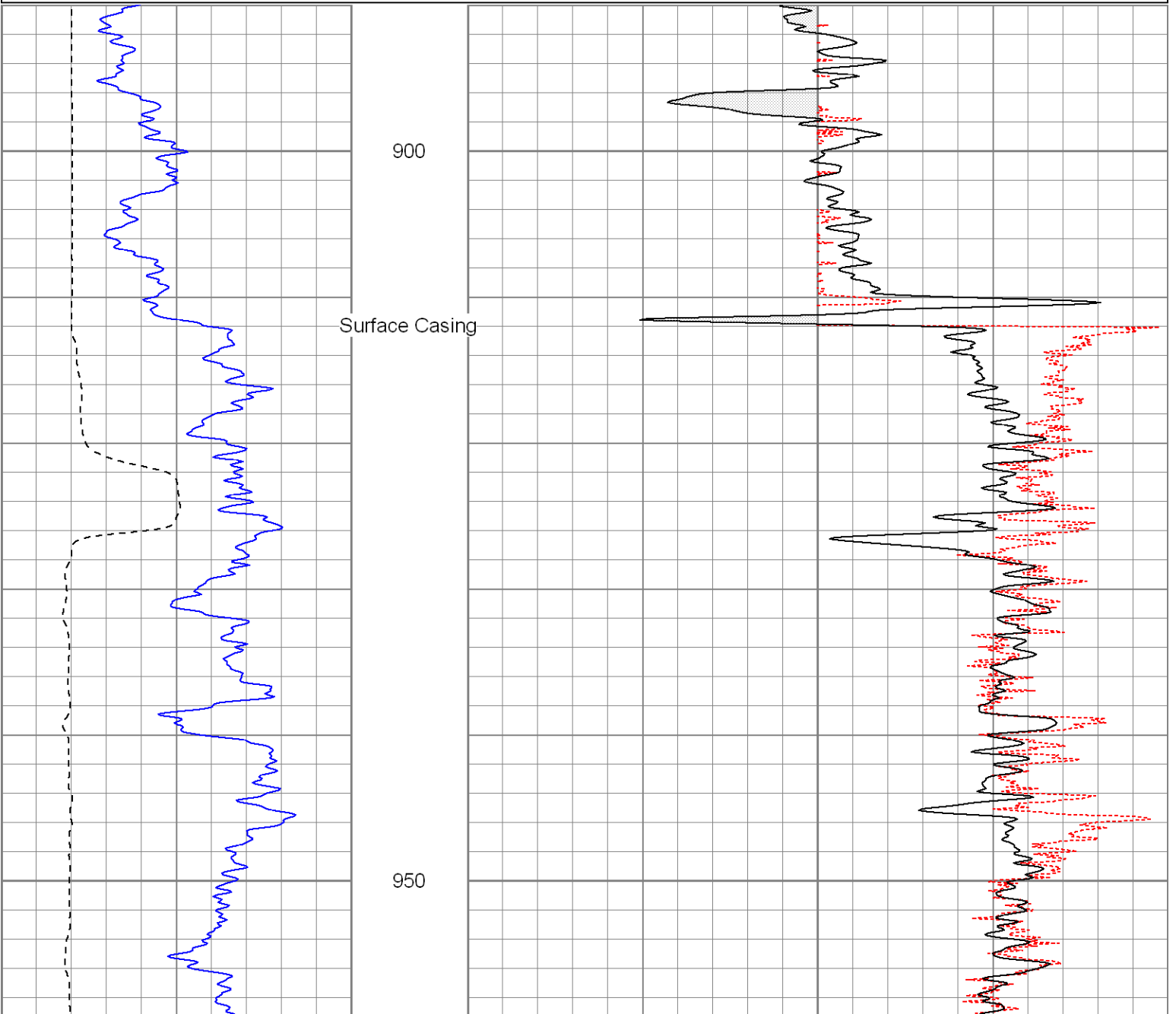
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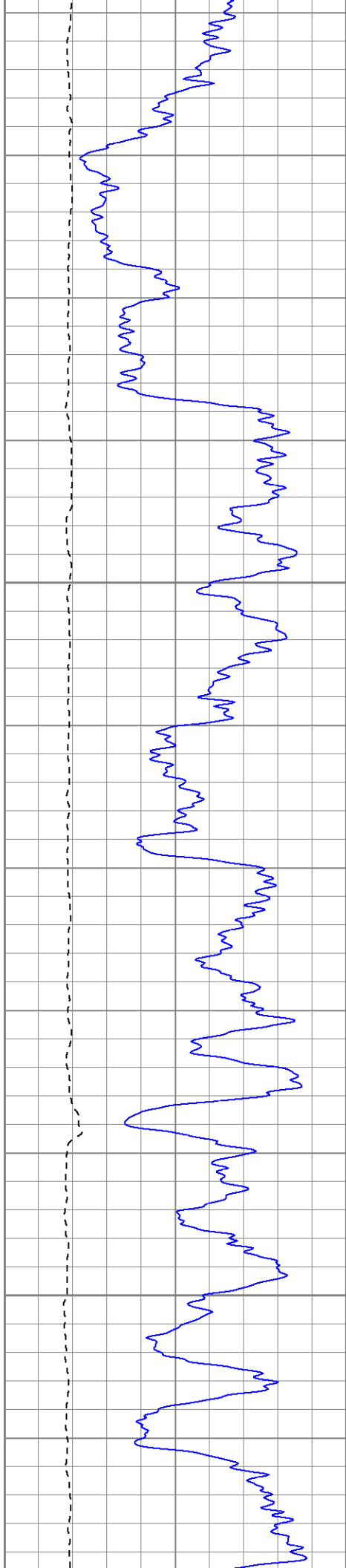
High Resolution Pass

Database File: xtone2506.db
Dataset Pathname: pass2.2
Presentation Format: cdlhr
Dataset Creation: Mon Jun 30 07:24:12 2008 by Calc Open-Cased 070814
Charted by: Depth in Feet scaled 1:120

0	GR (GAPI)	200
6	DCAL (in)	16

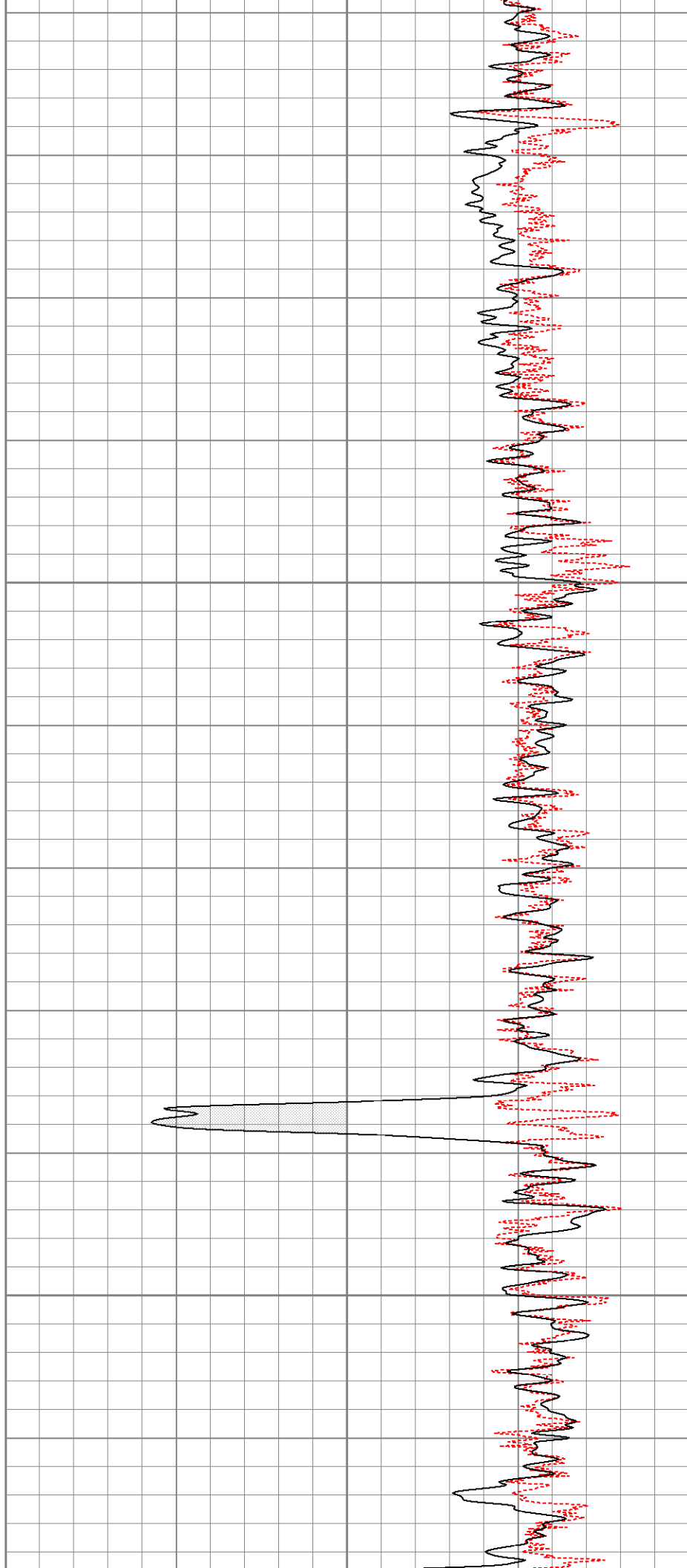
1	RHOB (g/cc)	3
-0.5	RHOC (g/cc)	0.5

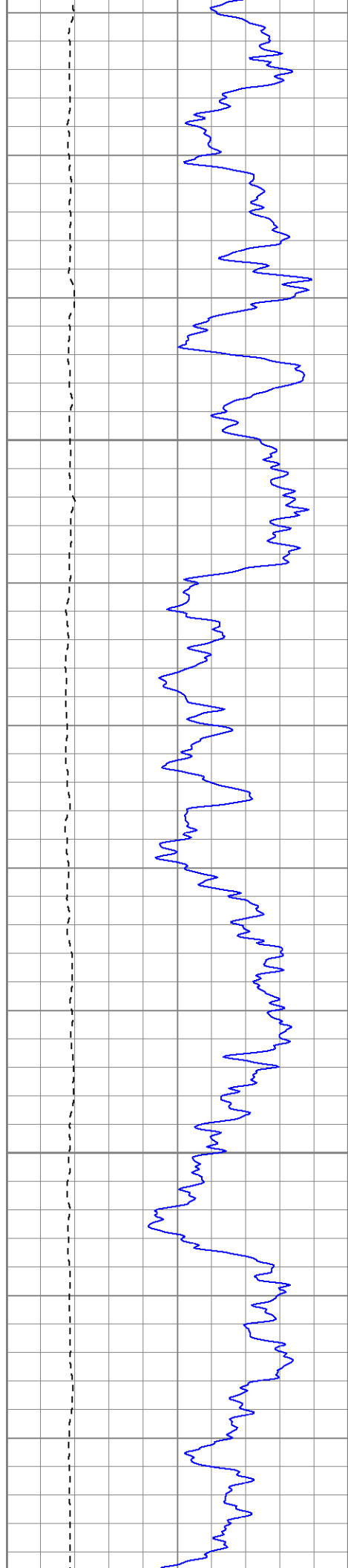




1000

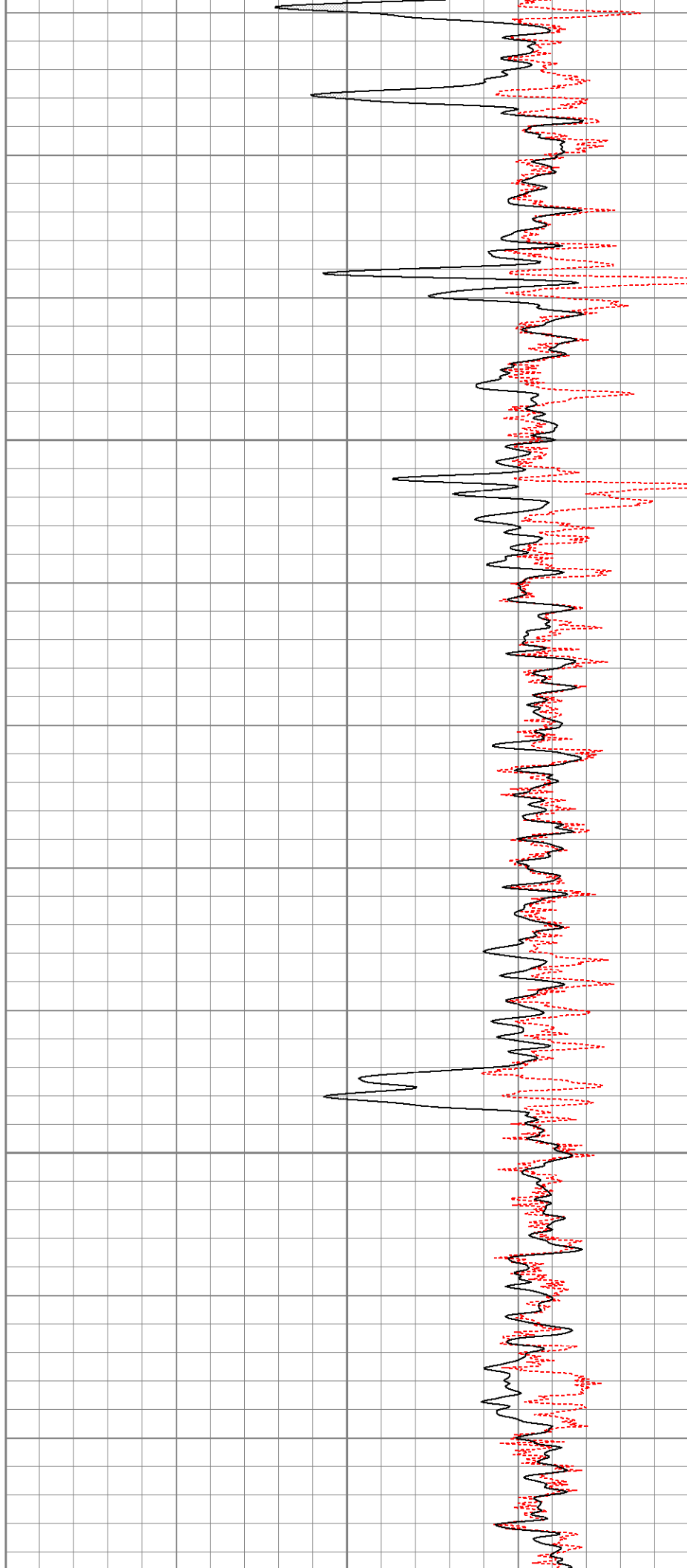
1050

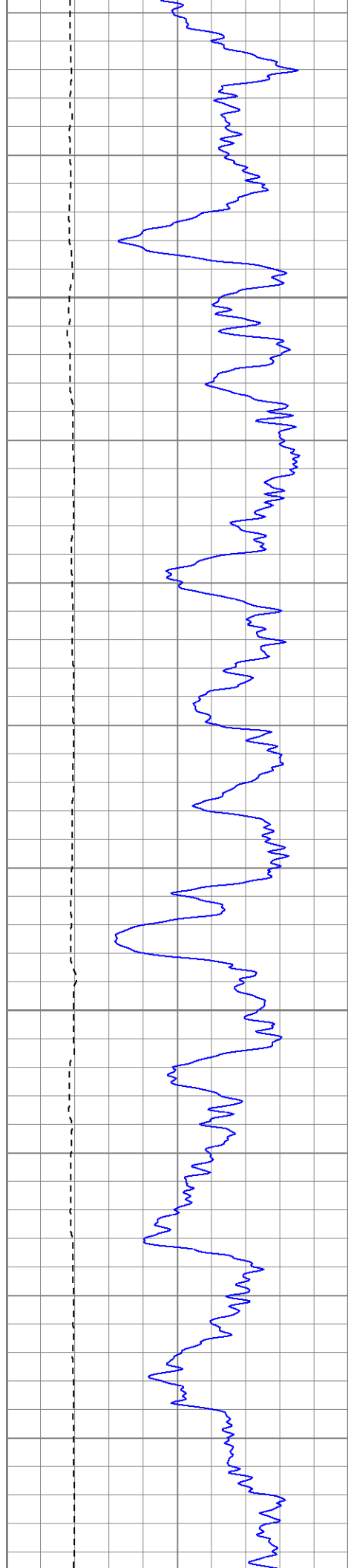




1100

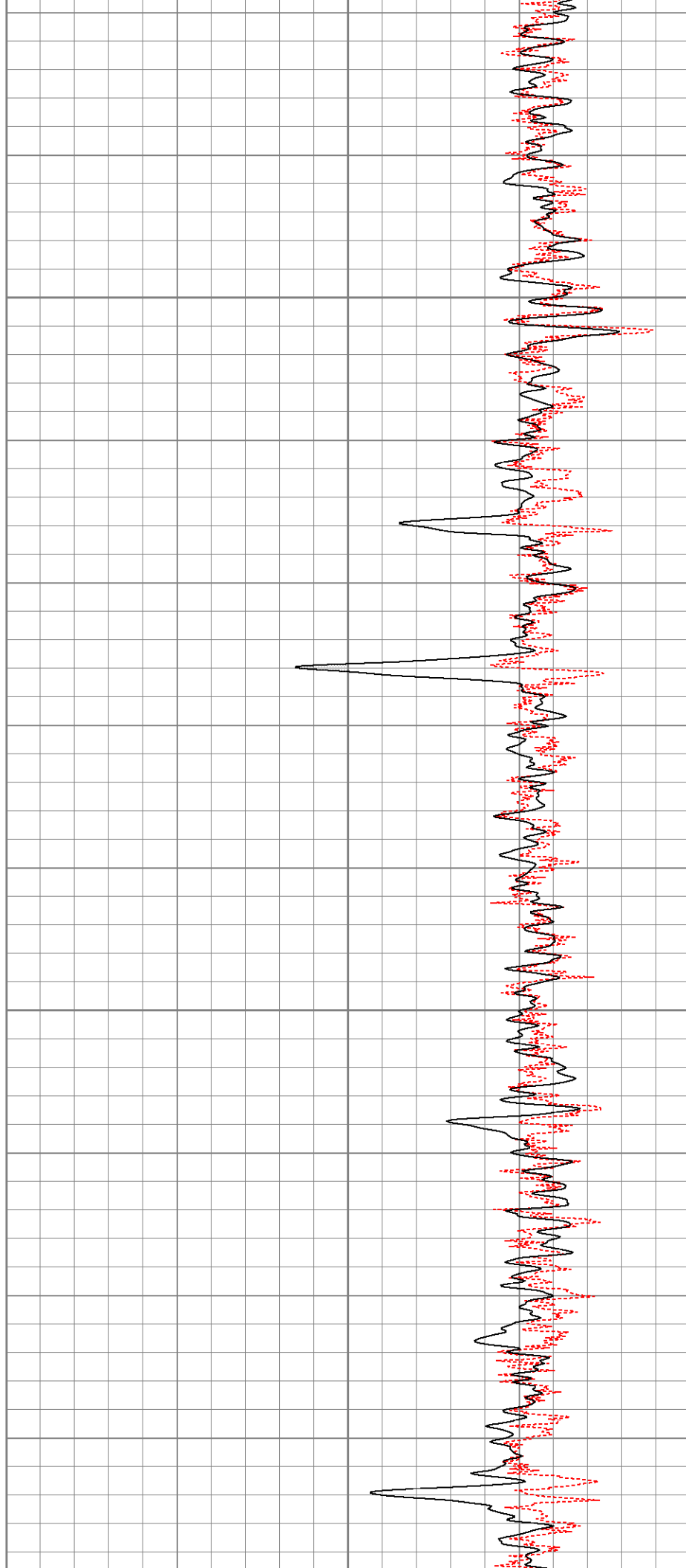
1150

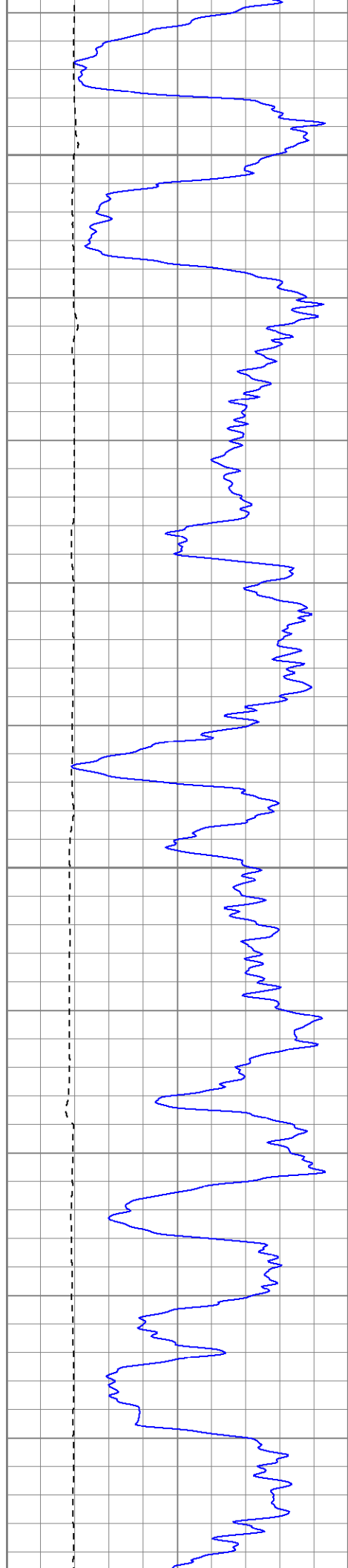




1200

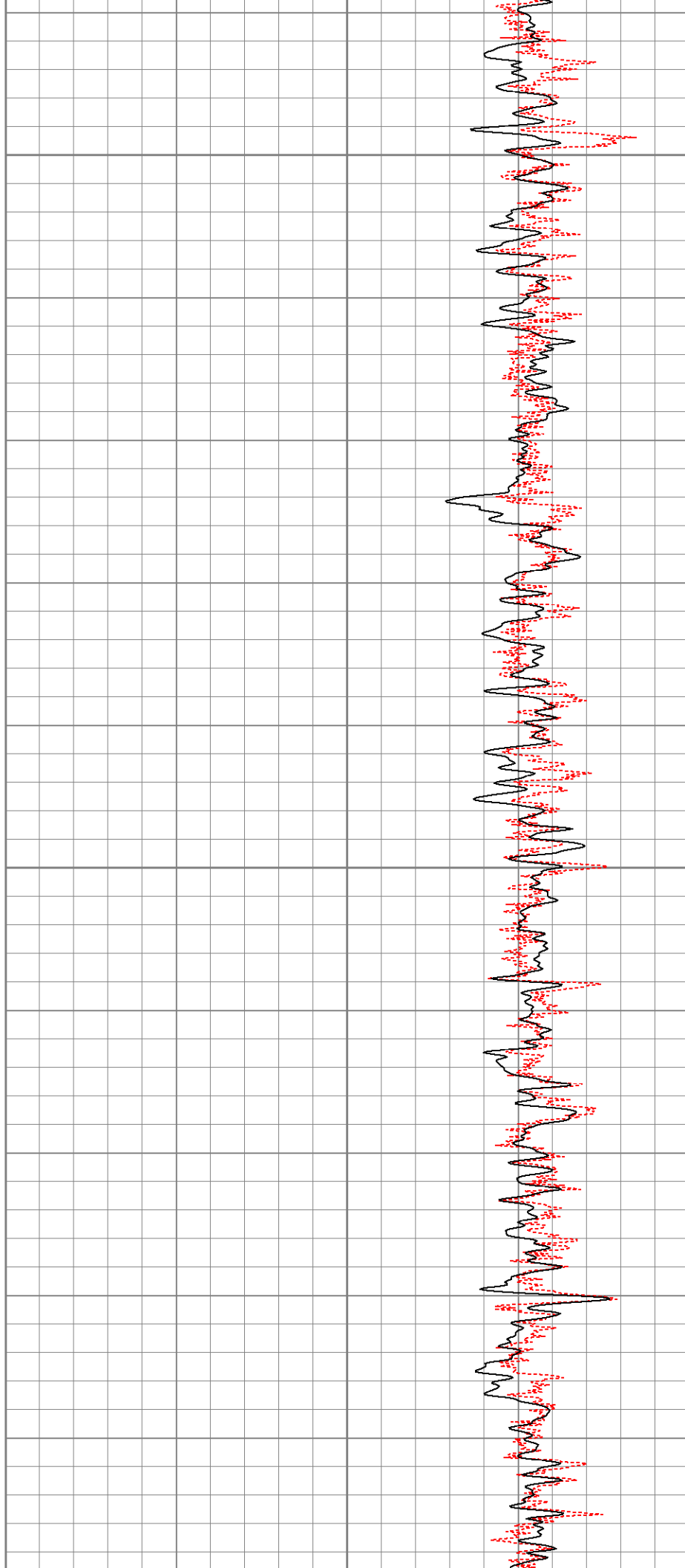
1250





1300

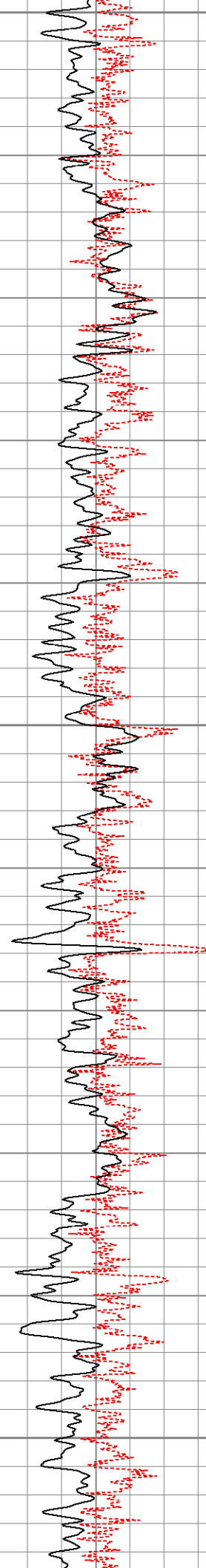
1350

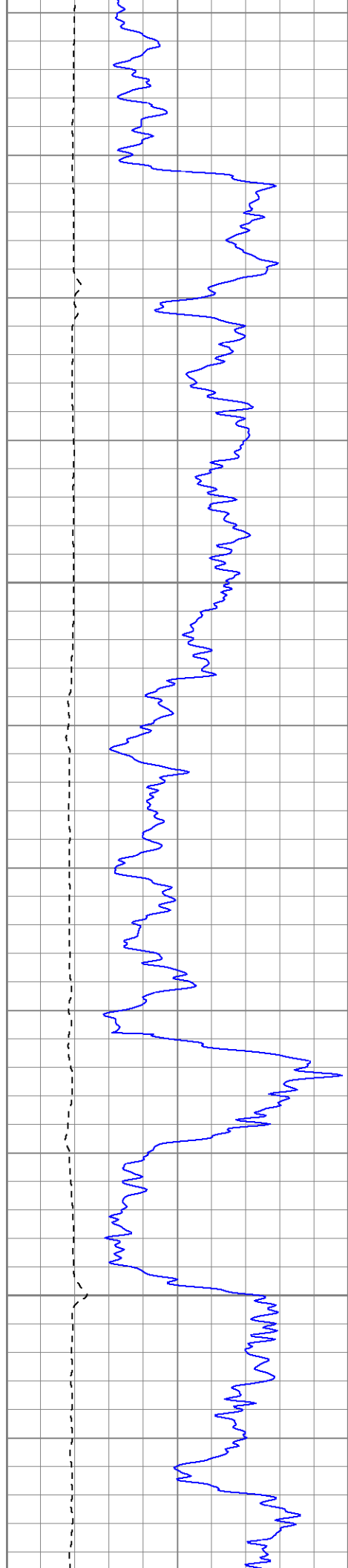


1400

1450

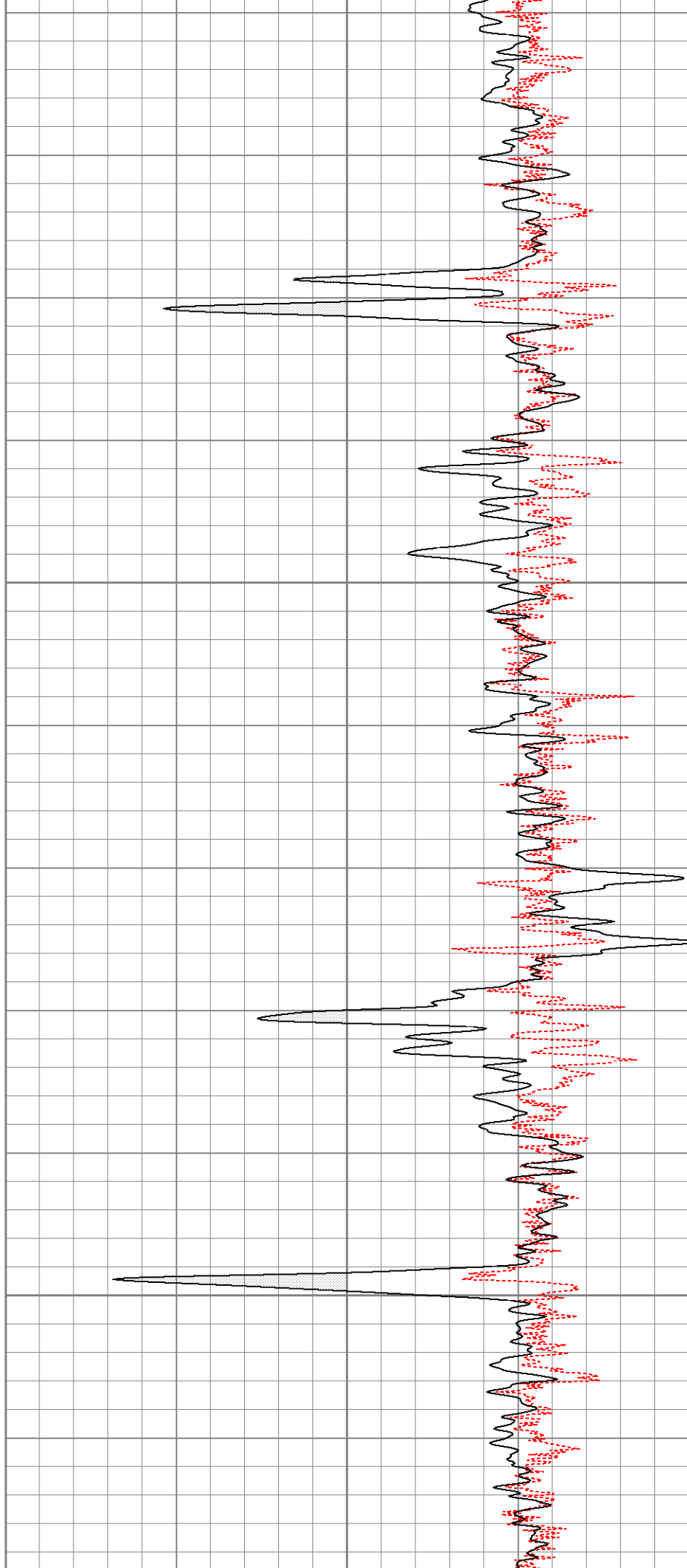
1500

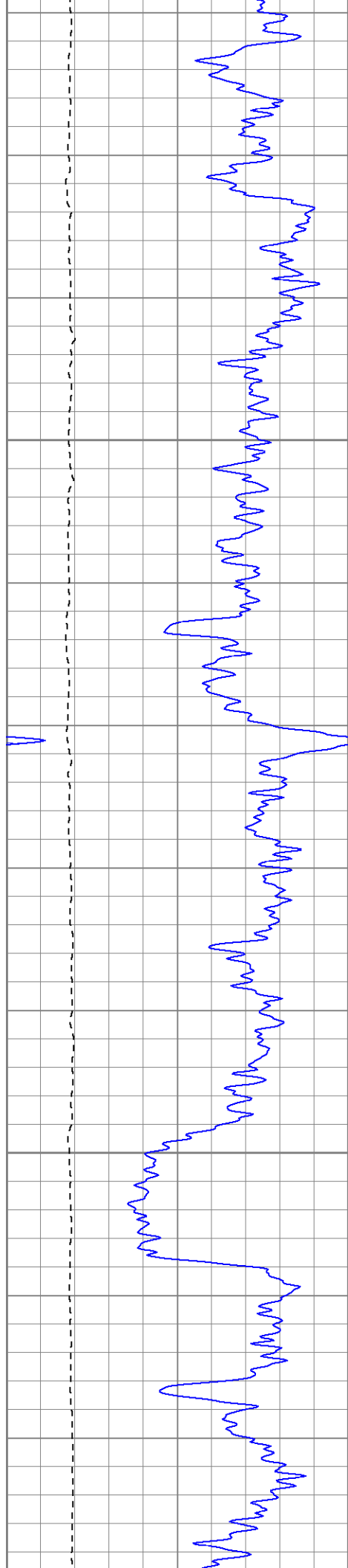




1550

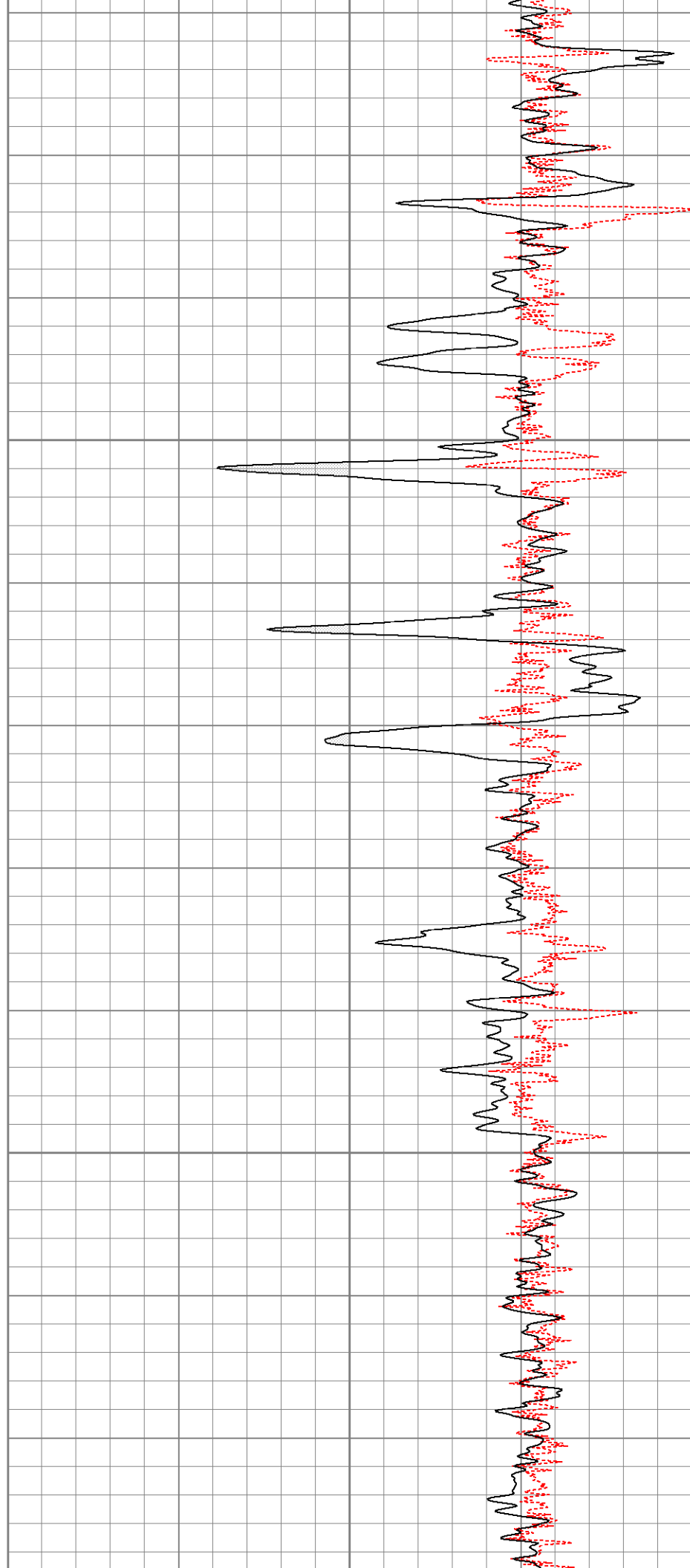
1600

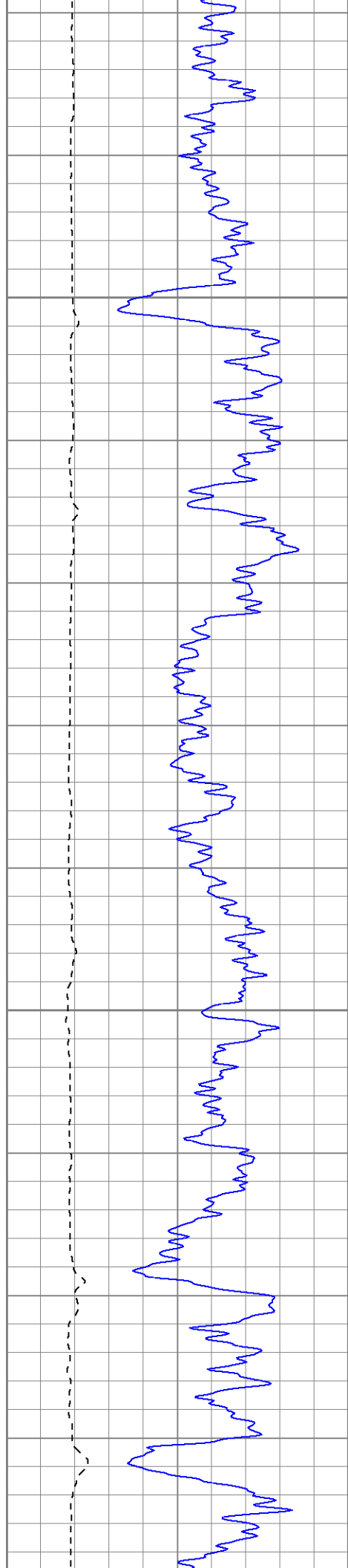




1650

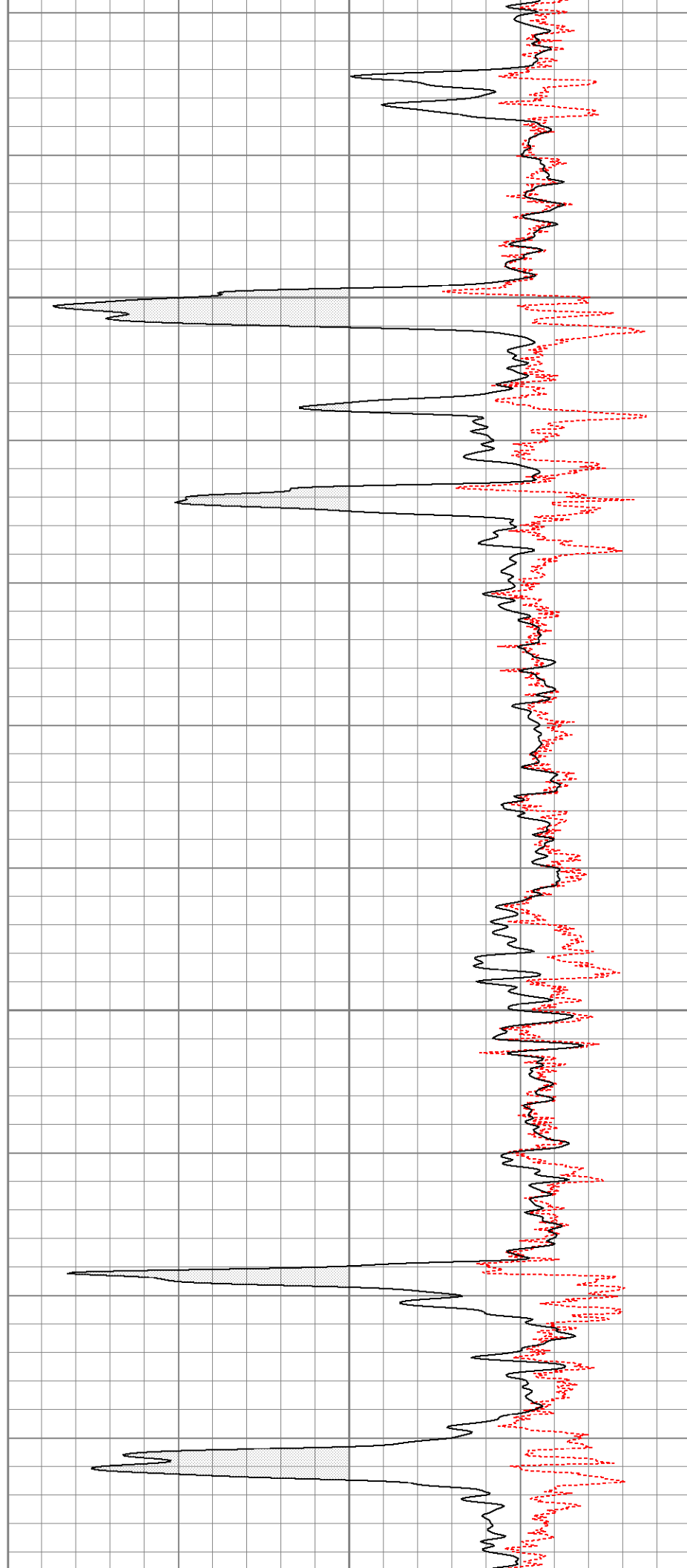
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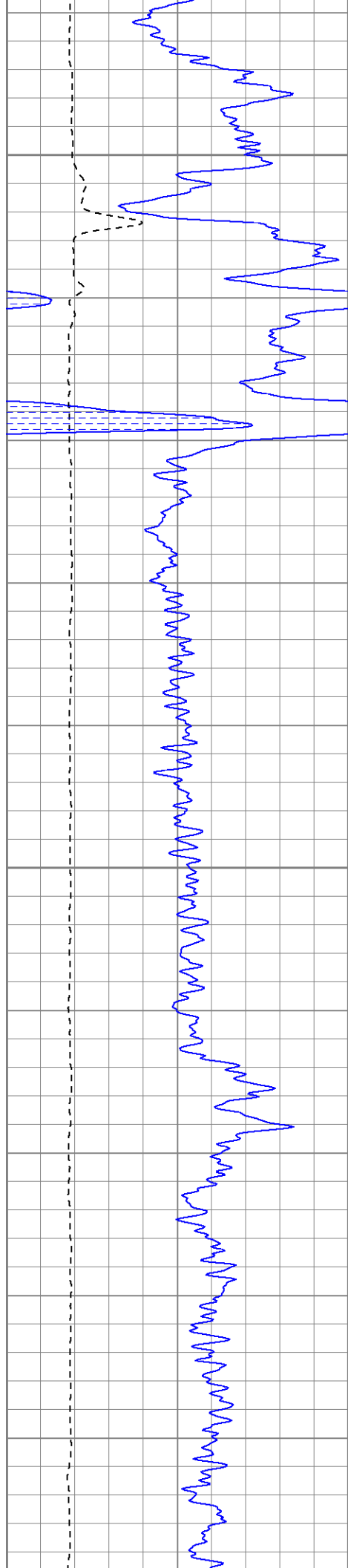




1750

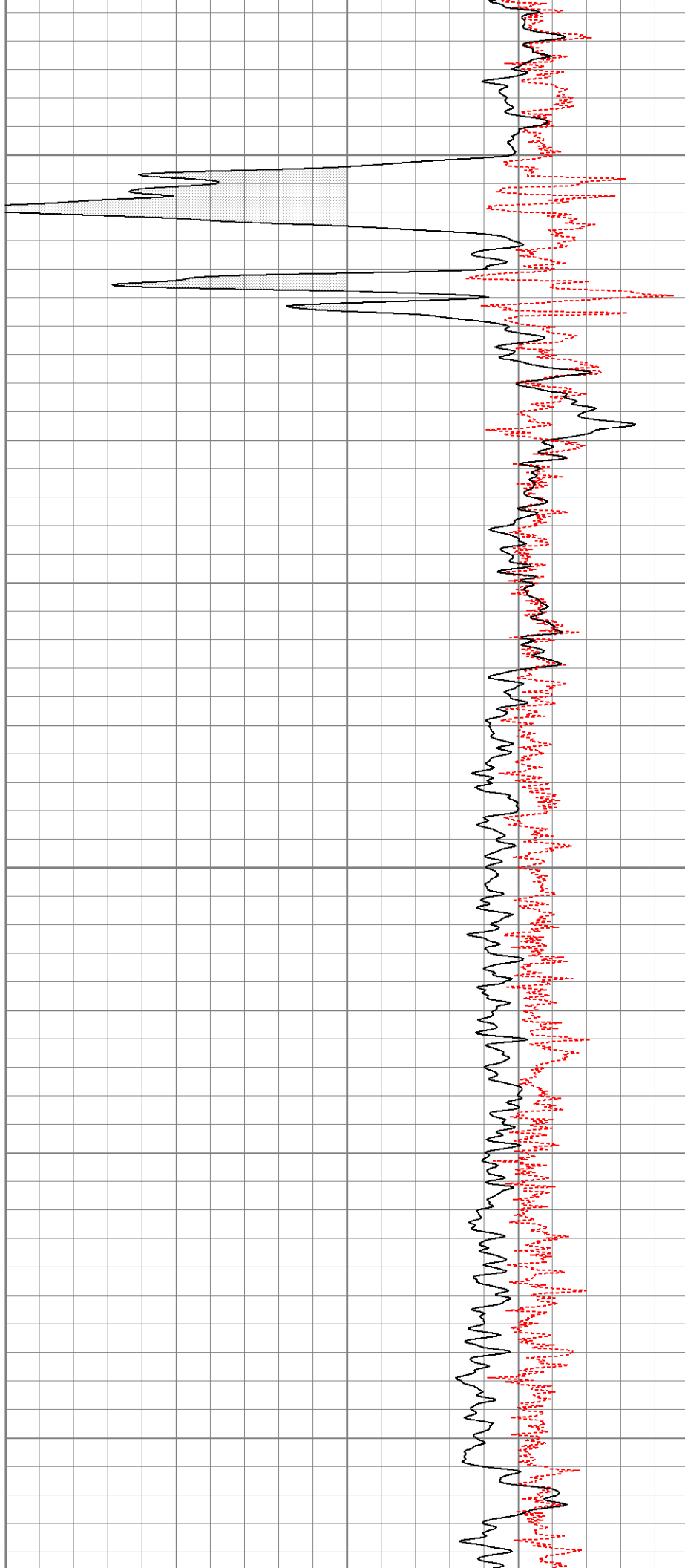
1800

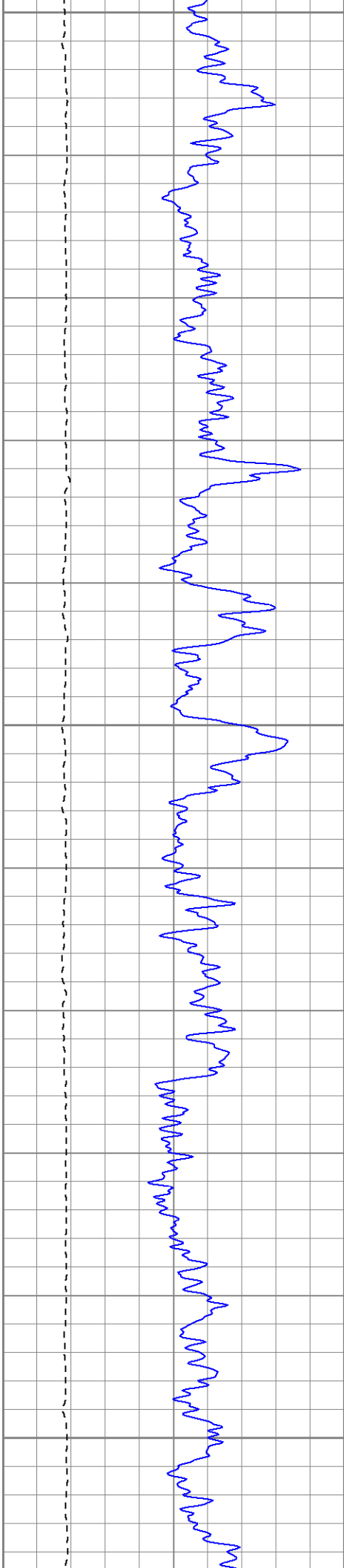




1850

1900

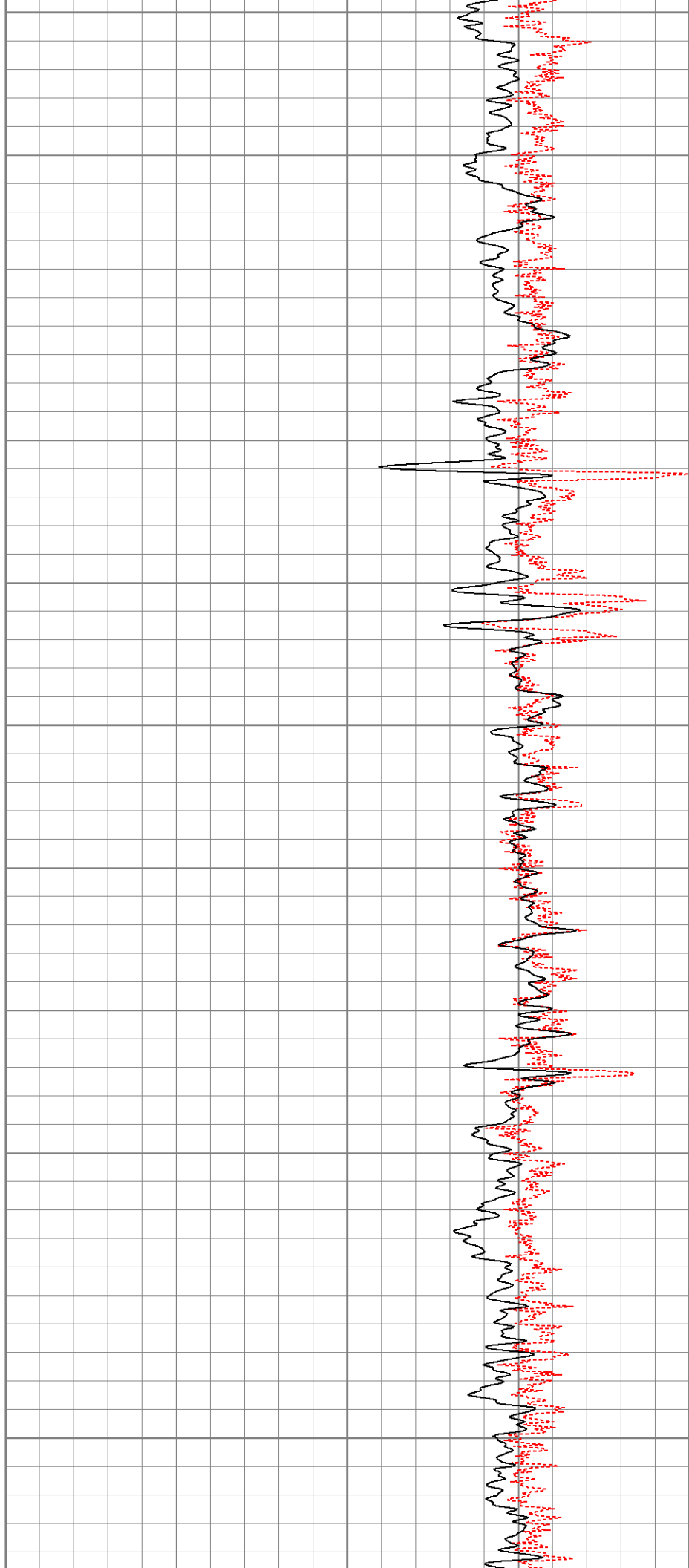


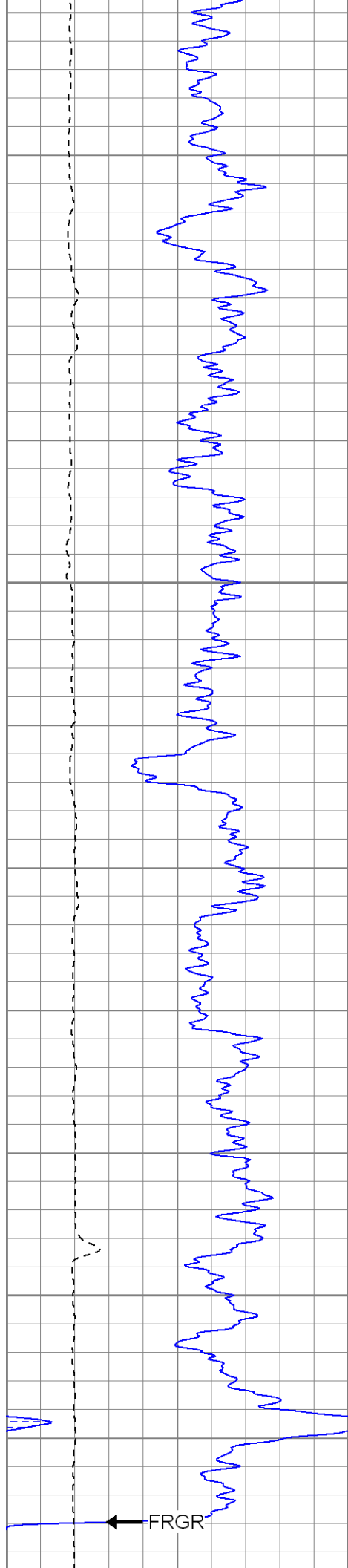


1950

2000

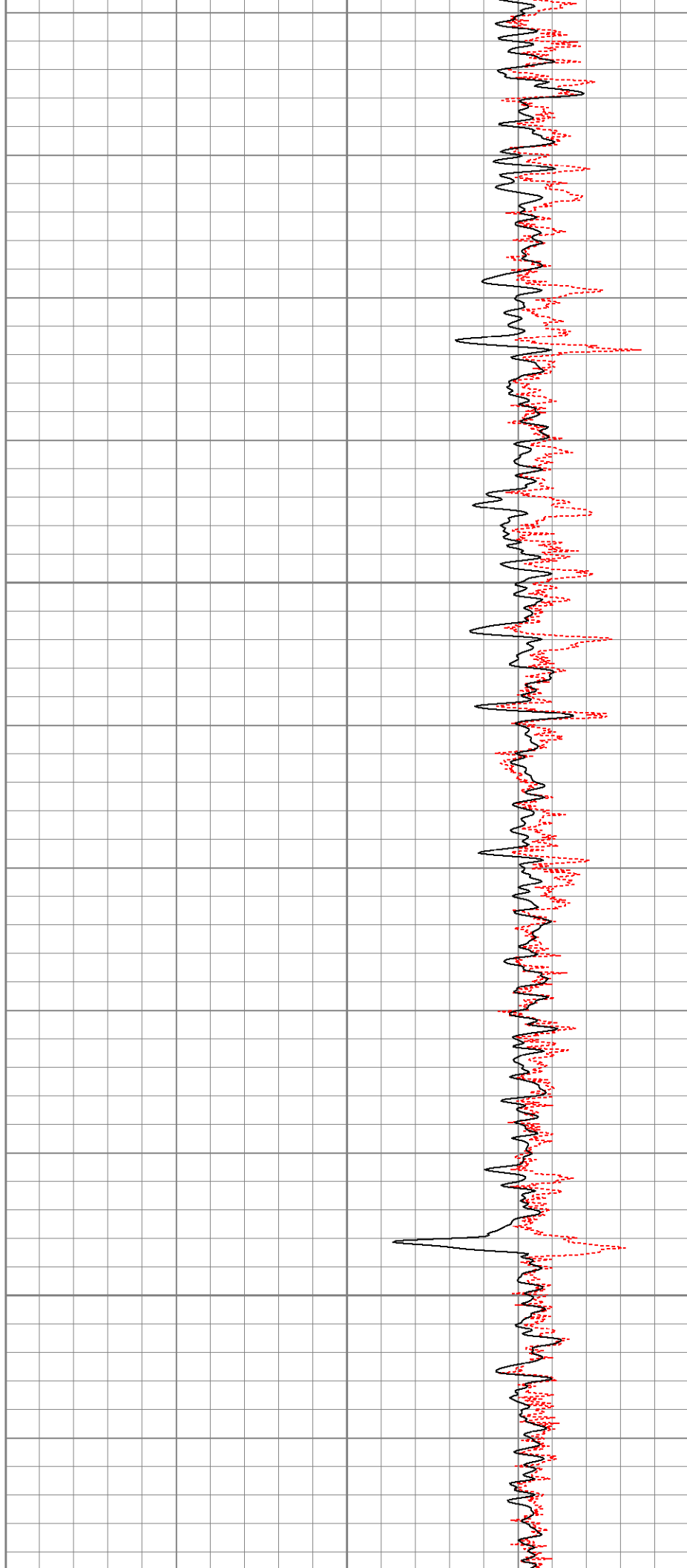
2050





2100

2150



Temperature Calibration Report			
Serial Number:	2542T		
Tool Model:	CDLP		
Performed:	Fri Jun 27 10:52:07 2008		
	Reference	Reading	

Low Reference:	55.00	degF	3.11	V
High Reference:	160.00	degF	5.35	V
Gain:	46.88			
Offset:	-90.78			
Delta Spacing	1			

Compensated Density Calibration Report

Serial-Model:	2542-T2
Source / Verifier:	/
Master Calibration Performed:	Thu Jun 26 08:09:20 2008

Master Calibration



	Density		Far Detector	Near Detector	
Magnesium	1.710	g/cc	725.64	339.44	cps
Aluminum	2.590	g/cc	162.65	232.88	cps
Spine Angle = 75.86			Density/Spine Ratio = 0.571		
	Size		Reading		
Small Ring	8.00	in	1.33	V	
Large Ring	14.00	in	2.67	V	

Gamma Ray Calibration Report

Serial Number:	2001	
Tool Model:	OH	
Performed:	Wed Jun 04 09:52:45 2008	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.2500	GAPI/cps

Neutron Calibration Report

Serial Number:	5108	
Tool Model:	PROBE	
Performed:	Thu Jun 26 12:08:49 2008	
Calibrator Value:	1	NAPI
Calibrator Reading:	1	cps
Sensitivity:	1	NAPI/cps

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
NEU	37.47		None	0.75	1.50	5.00
			NEU-PROBE (5108) Probe Epithermal	4.92	3.63	85.00
GR	31.94		GR-OH (2001) 2001	3.56	3.25	40.00

