



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

## COMPENSATED DENSITY/NEUTRON LOG

Company	XTO Energy Inc.	Company	XTO Energy Inc.
Well	Golden Eagle 34-06	Well	Golden Eagle 34-06
Field	Purgatoire River	Field	Purgatoire River
County	Las Animas	County	Las Animas
State	Colorado	State	Colorado
Location:	API # : 05 071 09539 00 1733' FNL & 1557' FWL	Other Services DIL	
Permanent Datum	SEC 34 TWP 33S RGE 67W	Elevation	
Log Measured From	Ground Level	K.B. -----	
Drilling Measured From	Ground Level	D.F. -----	
	Ground Level	G.L. 7467'	
Date	7-11-08		
Run Number	One		
Depth Driller	2200'		
Depth Logger	2202'		
Bottom Logged Interval	2179'		
Top Log Interval	Surface Casing		
Casing Driller	8 5/8" @ 483'		
Casing Logger	483'		
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	7:30 P.M.		
Time Logger on Bottom	9:55 P.M.		
Maximum Recorded Temperature	101 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:

First Bosque entrance, take right at Cherry Canyon, at Y stay left, go thru green gate,  
take right just before Compressor station 5, dead end on location.

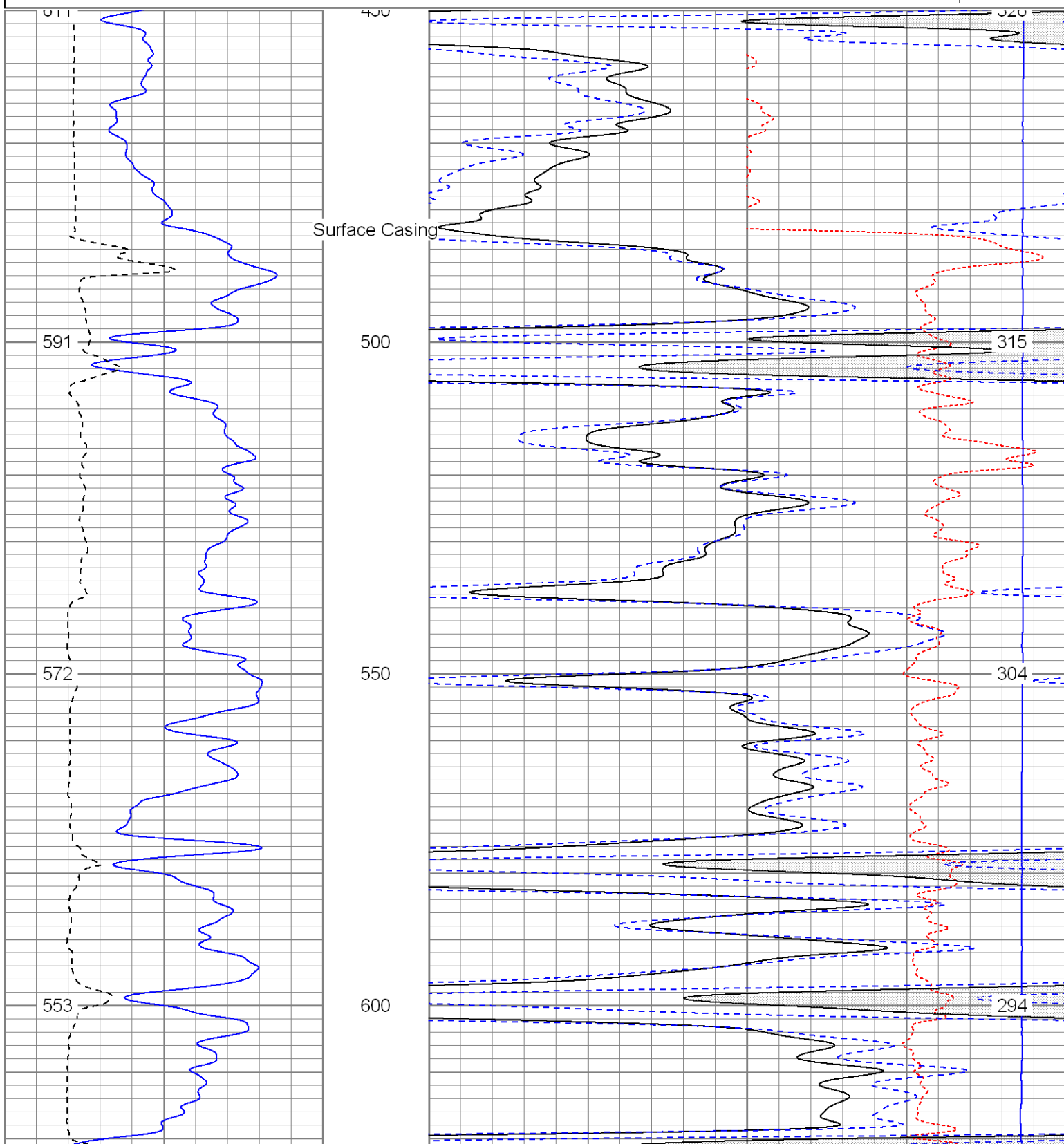


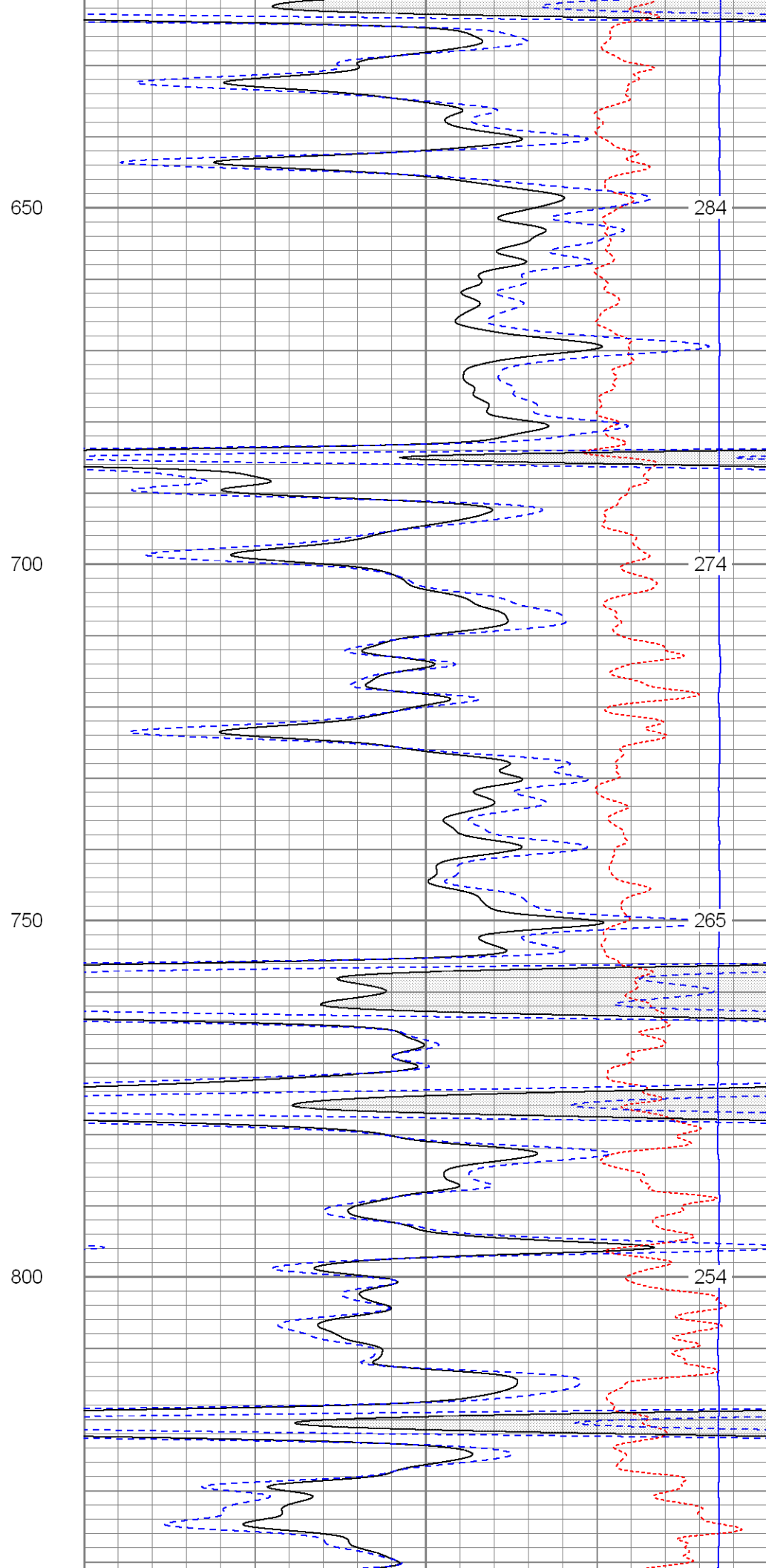
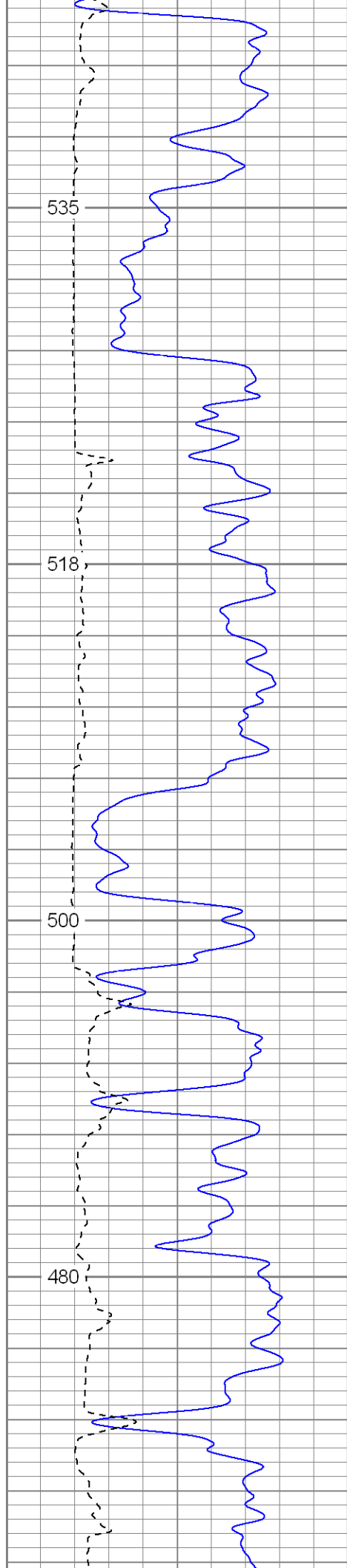
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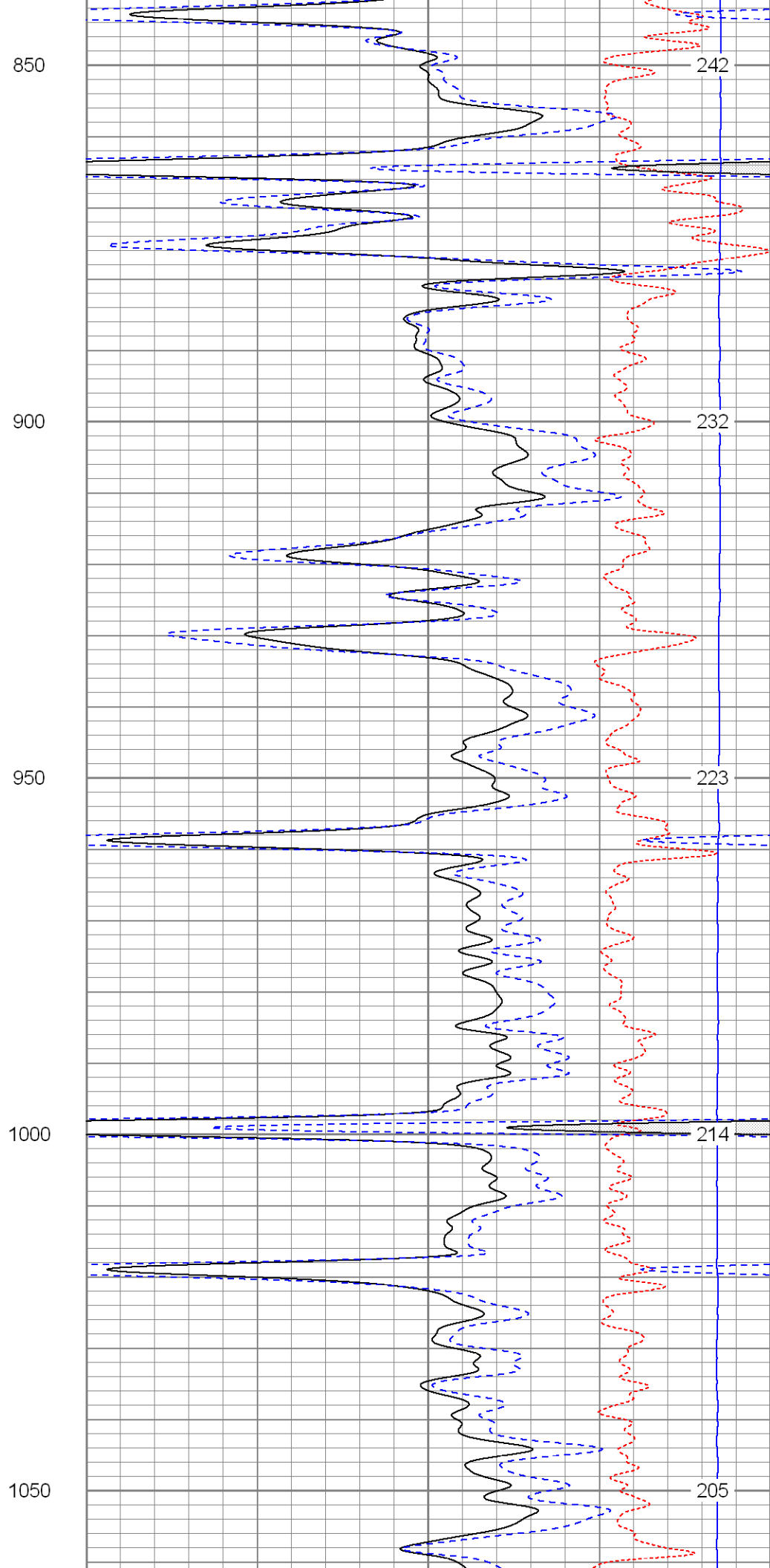
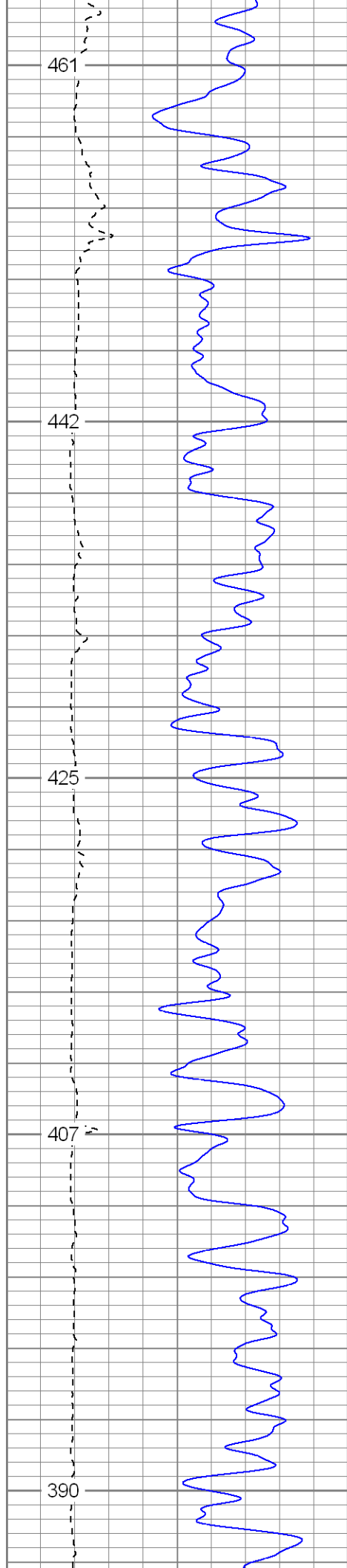
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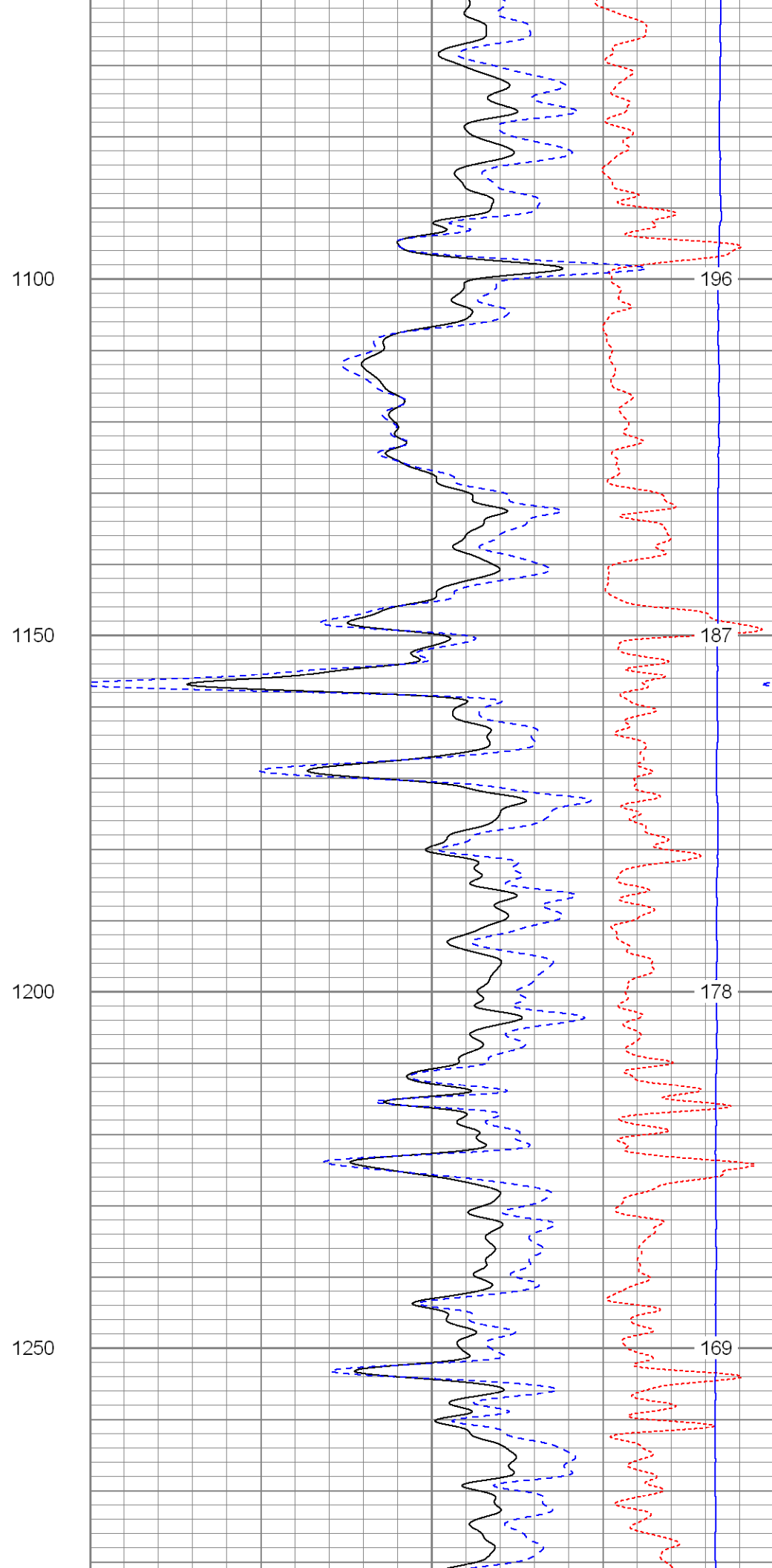
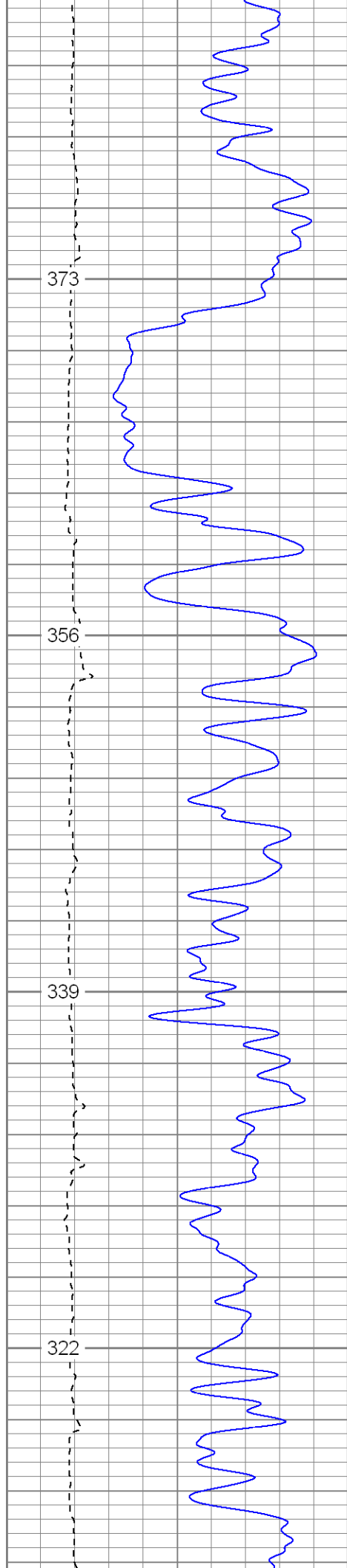
Database File: xtoge3406.db  
Dataset Pathname: pass2.2  
Presentation Format: cdl  
Dataset Creation: Fri Jul 11 23:24:36 2008 by Calc Open-Cased 071220  
Charted by: Depth in Feet scaled 1:240

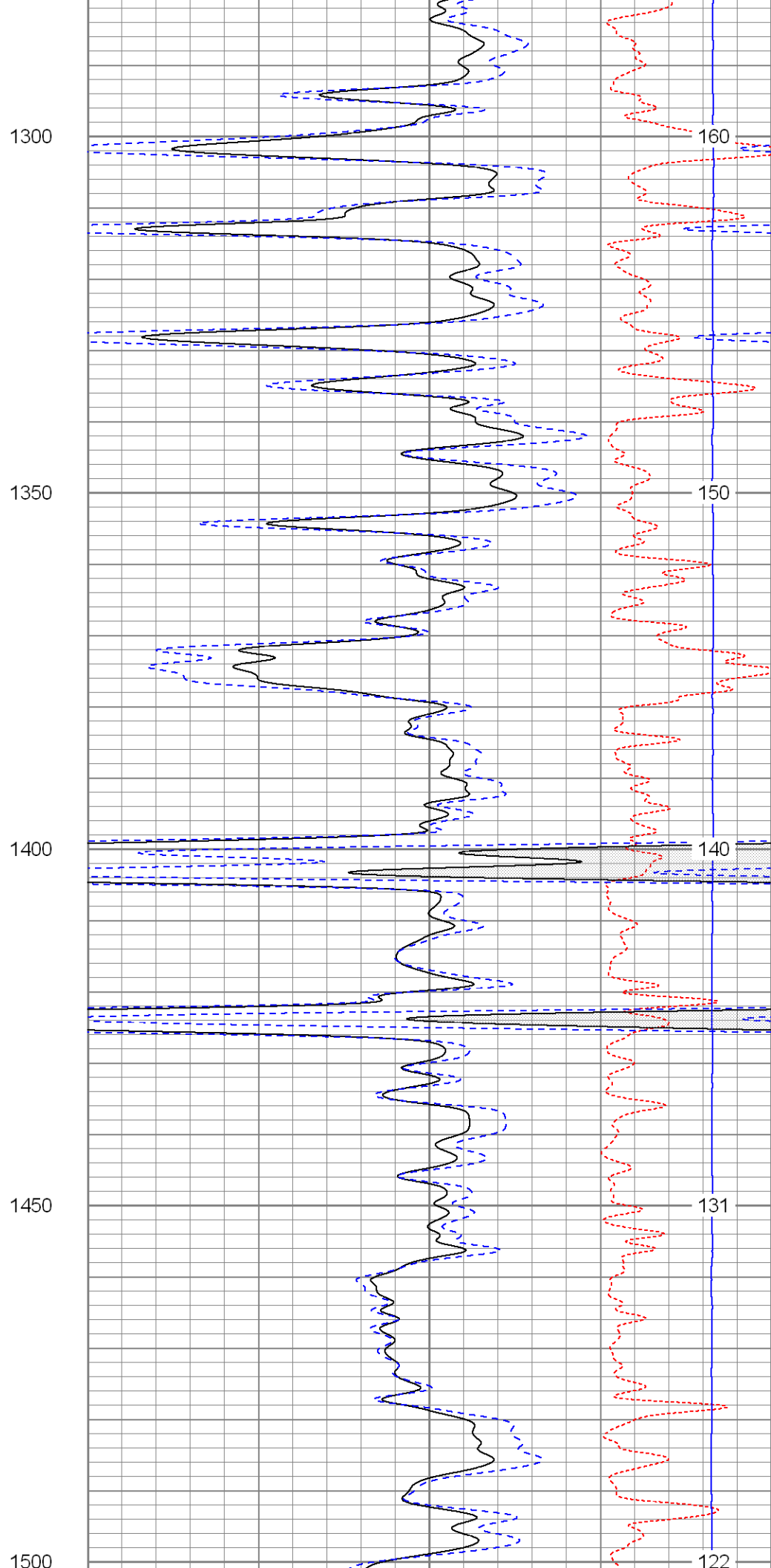
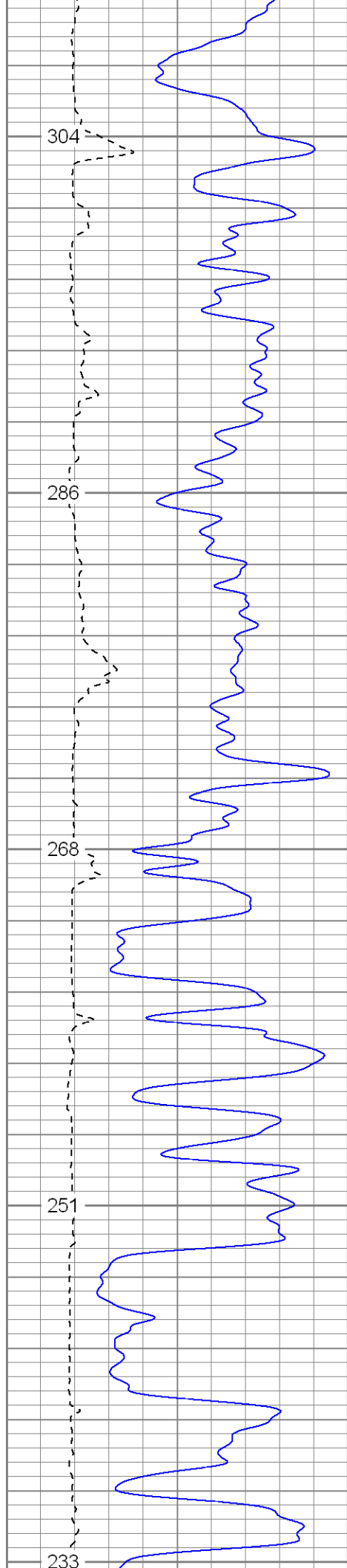
0	GR (GAPI)	200	2	RHOB (g/cc)	3
6	DCAL (in)	16	1	RHOB (g/cc)	2
TBHV (ft3)			30	DPOR (pu)	-10
			-0.5 RHOC (g/cc) 0.5		
			7000 LTEN (lb) 0		
			ABHV (ft3)		

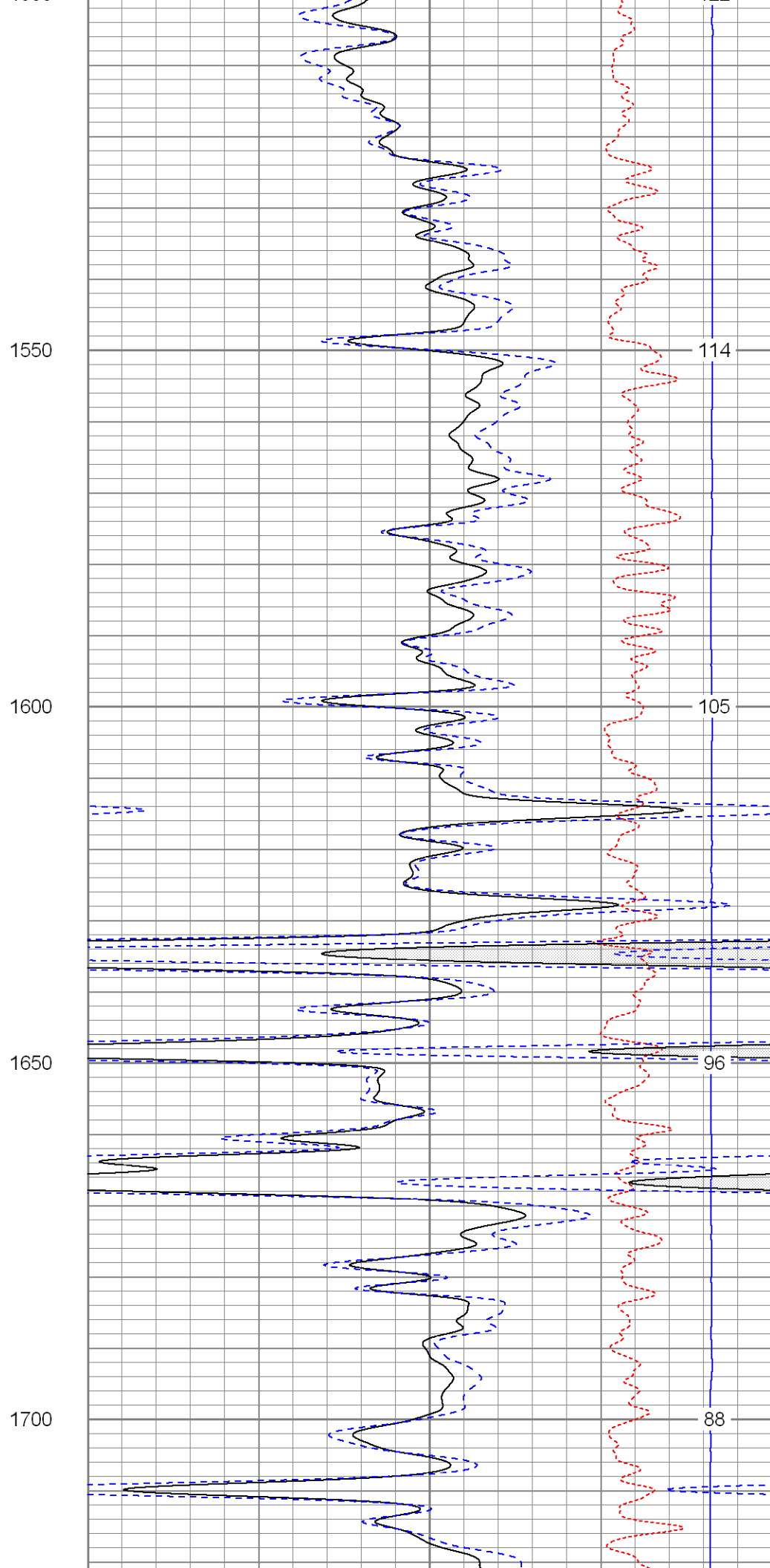
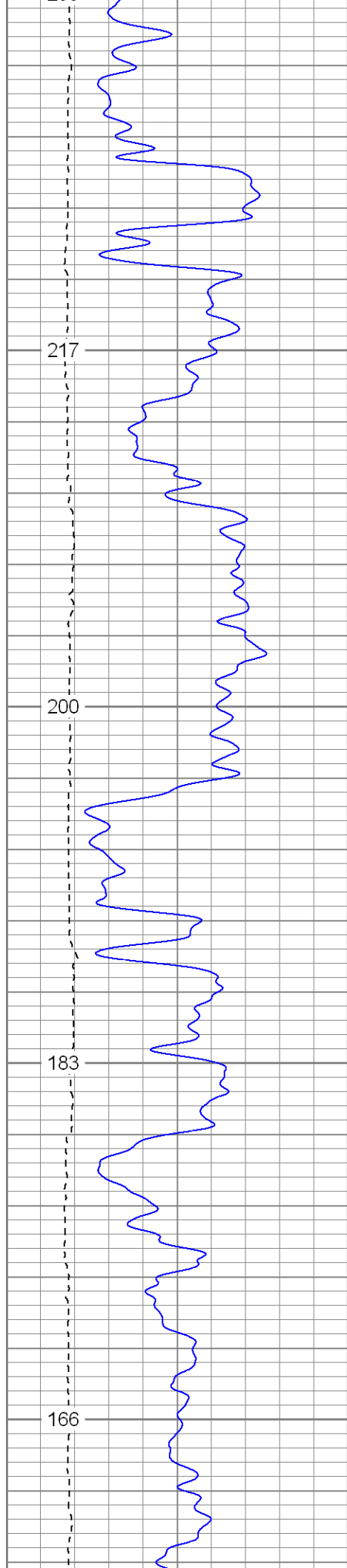


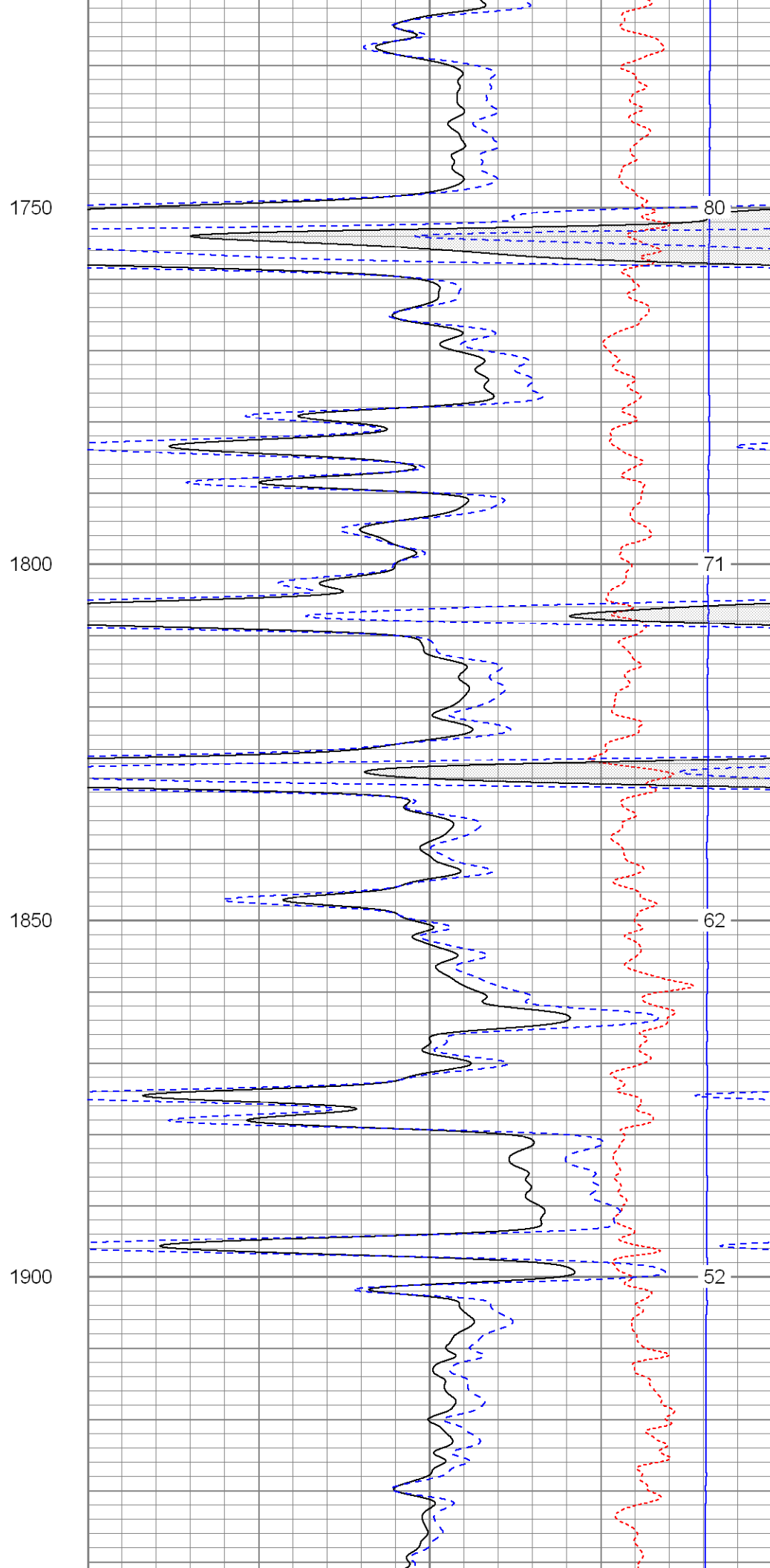
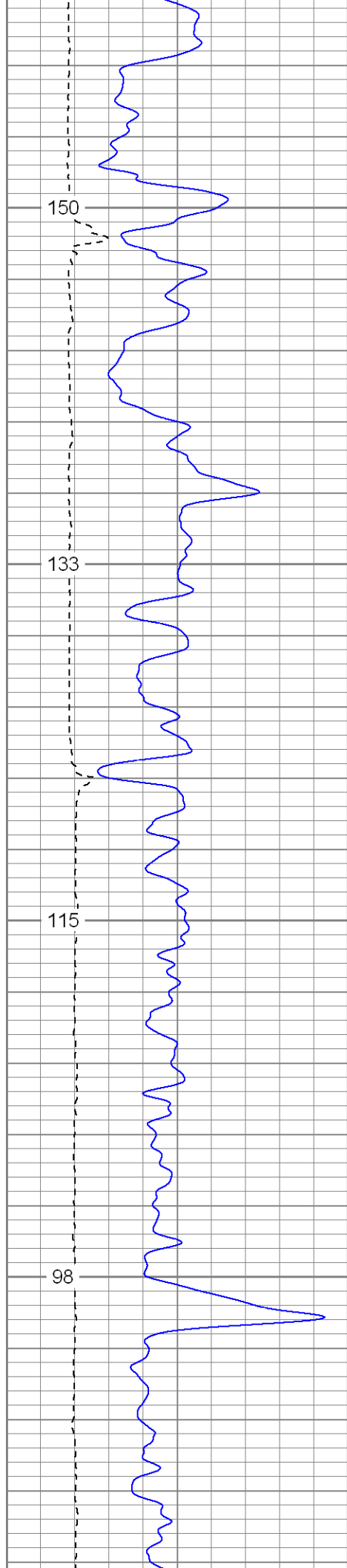




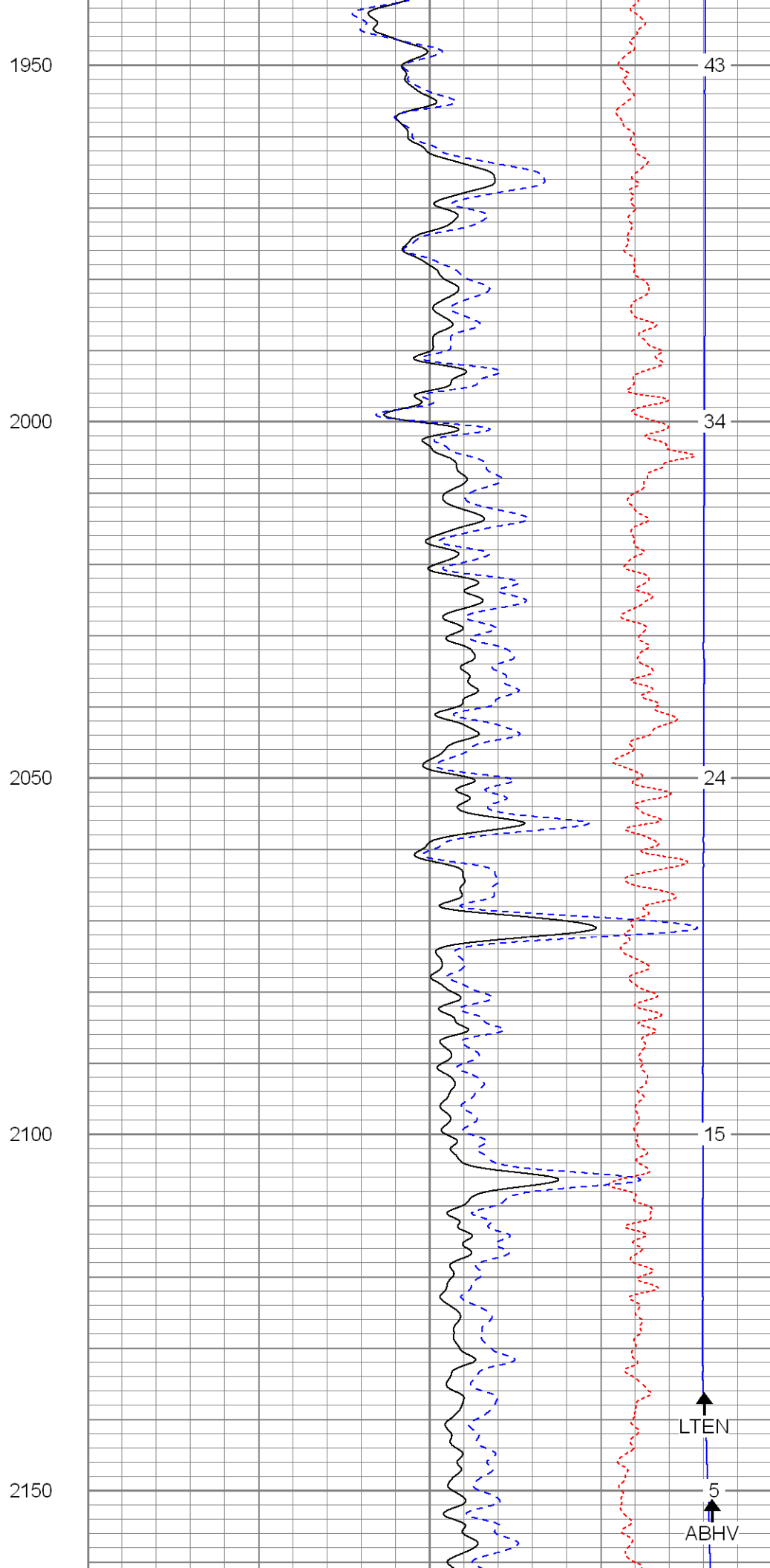
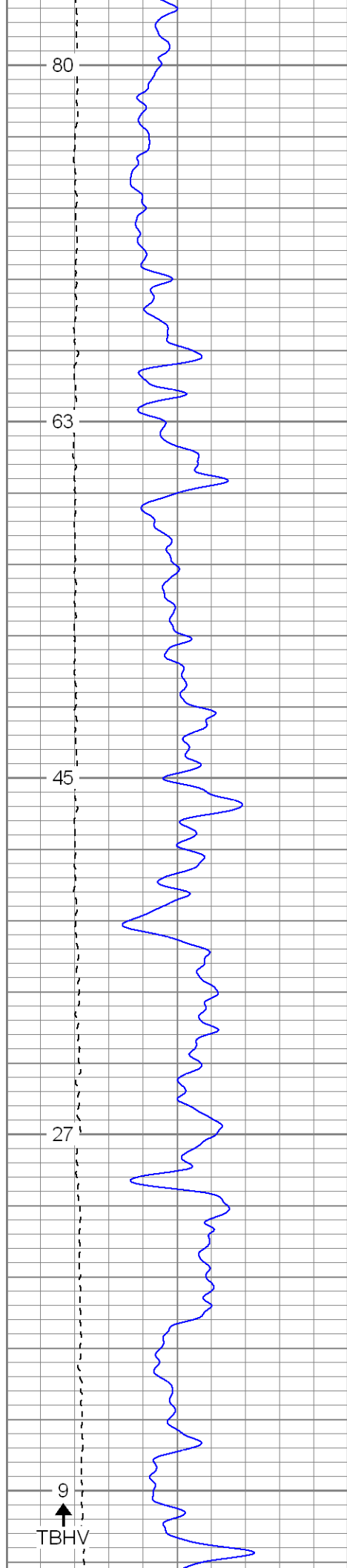


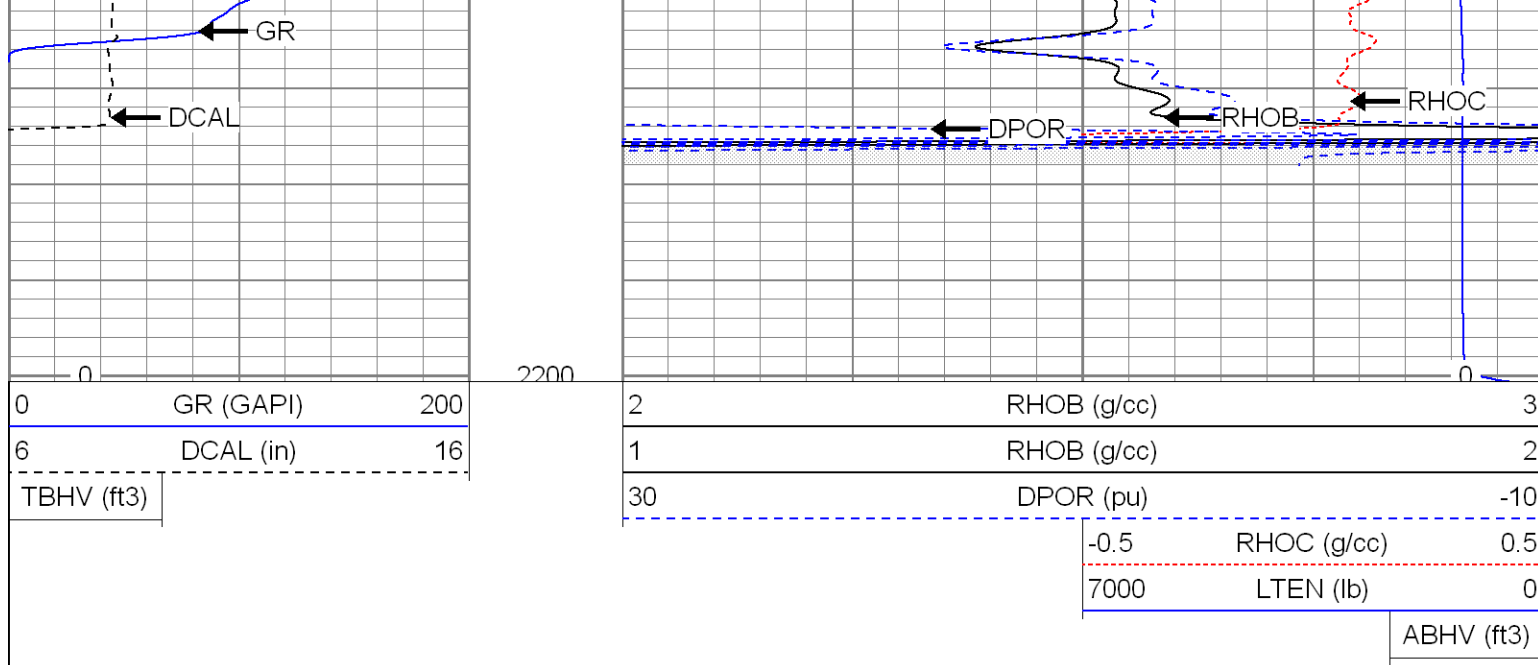










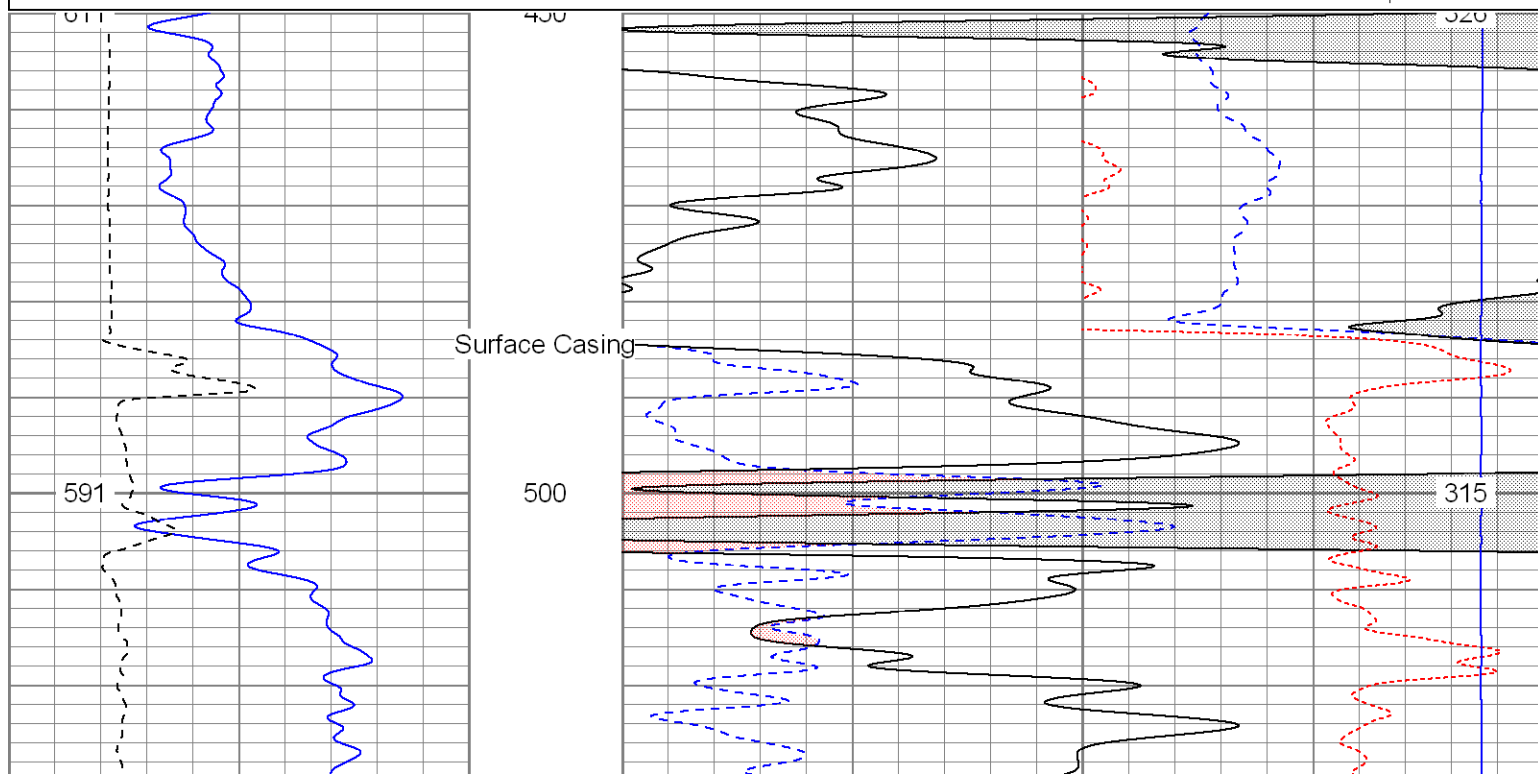
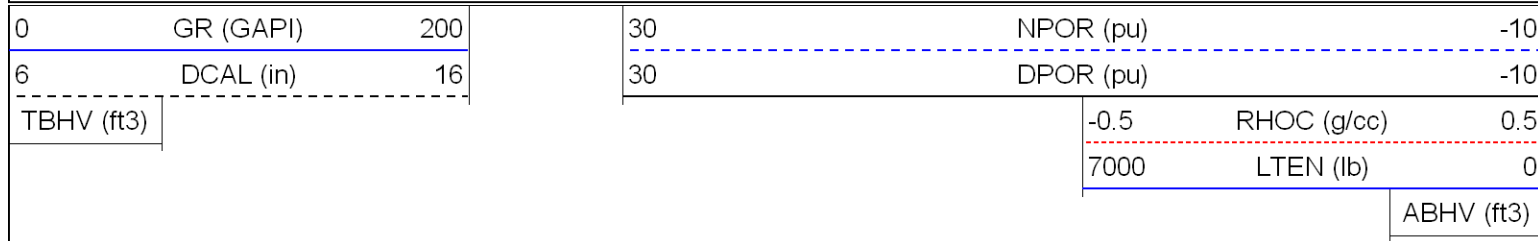


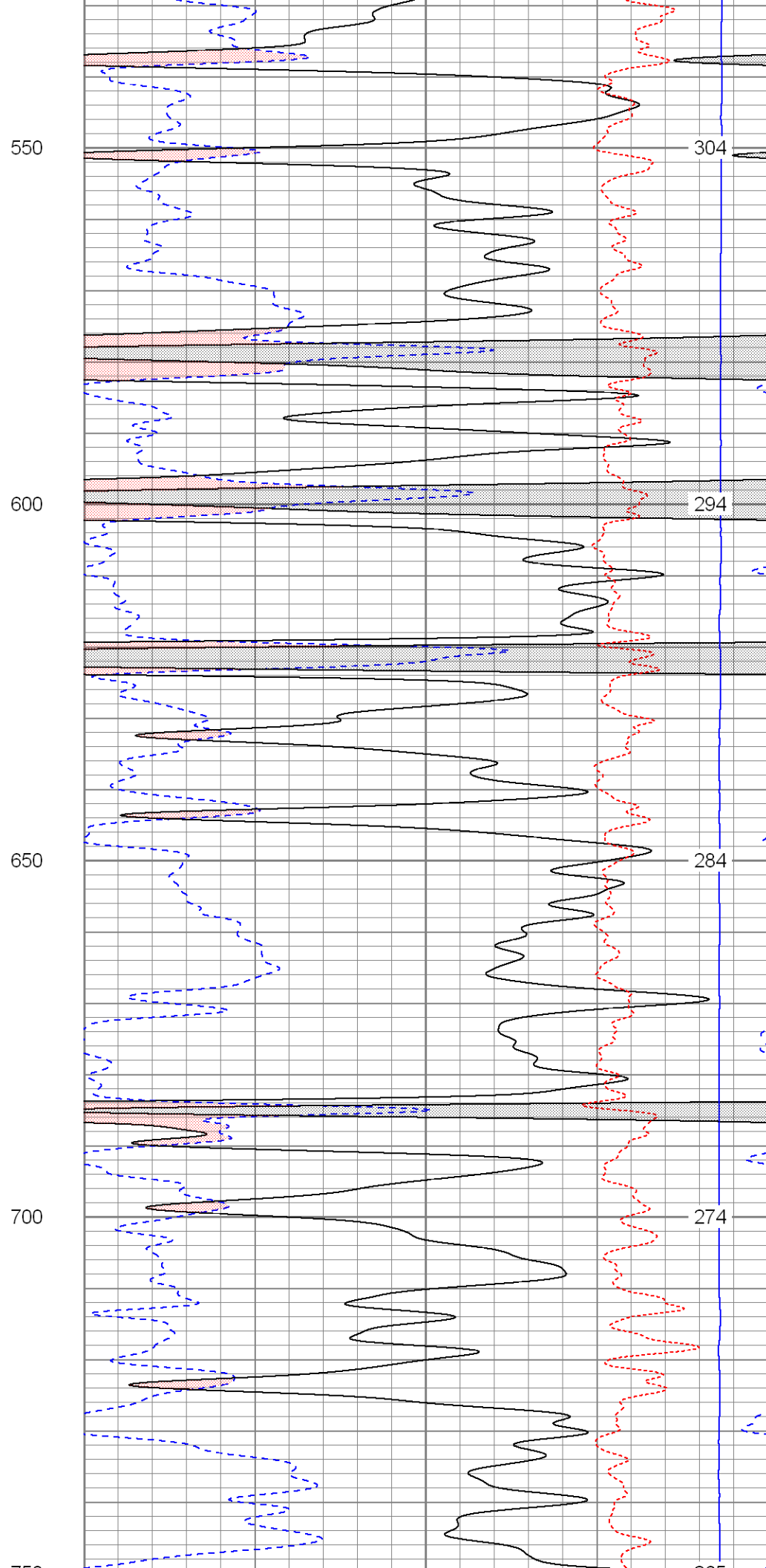
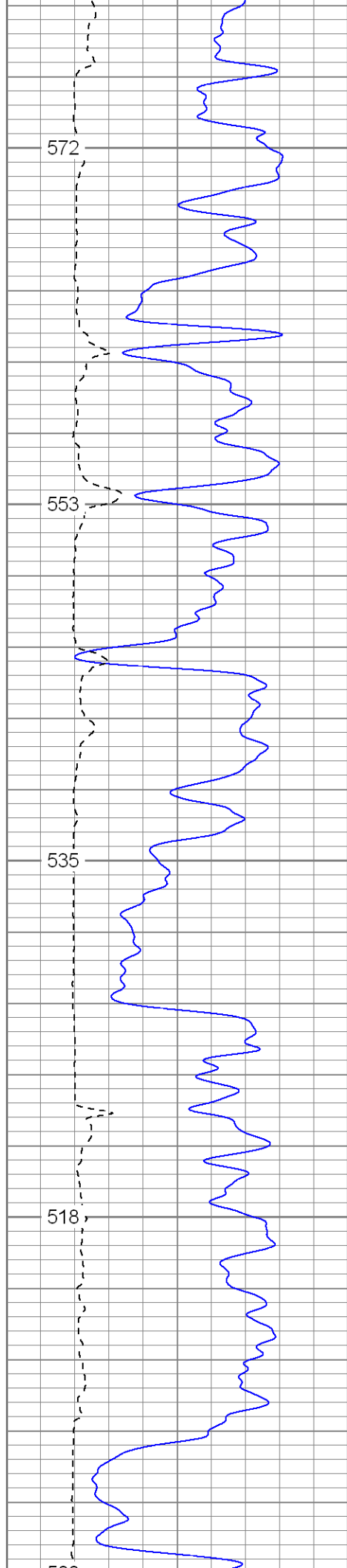
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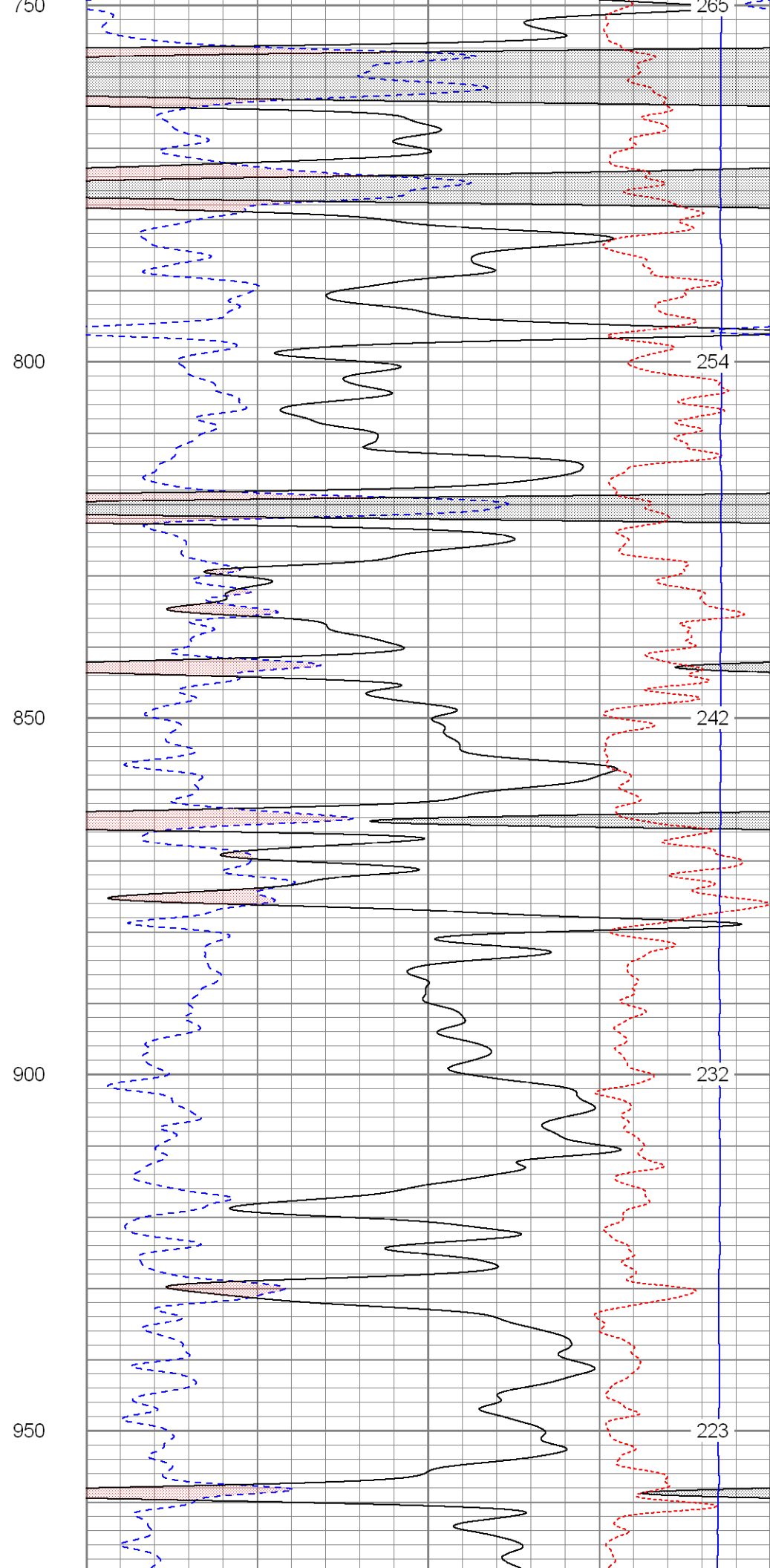
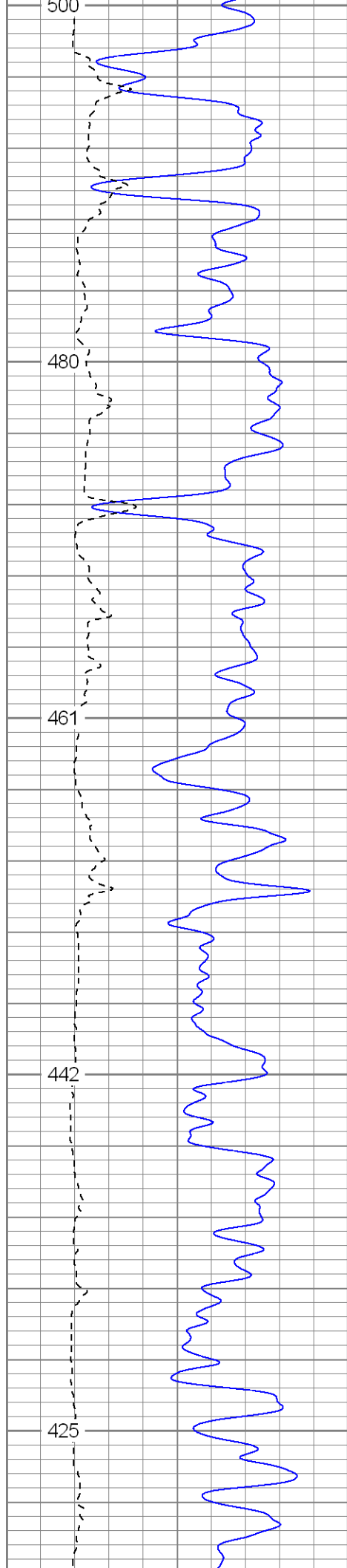
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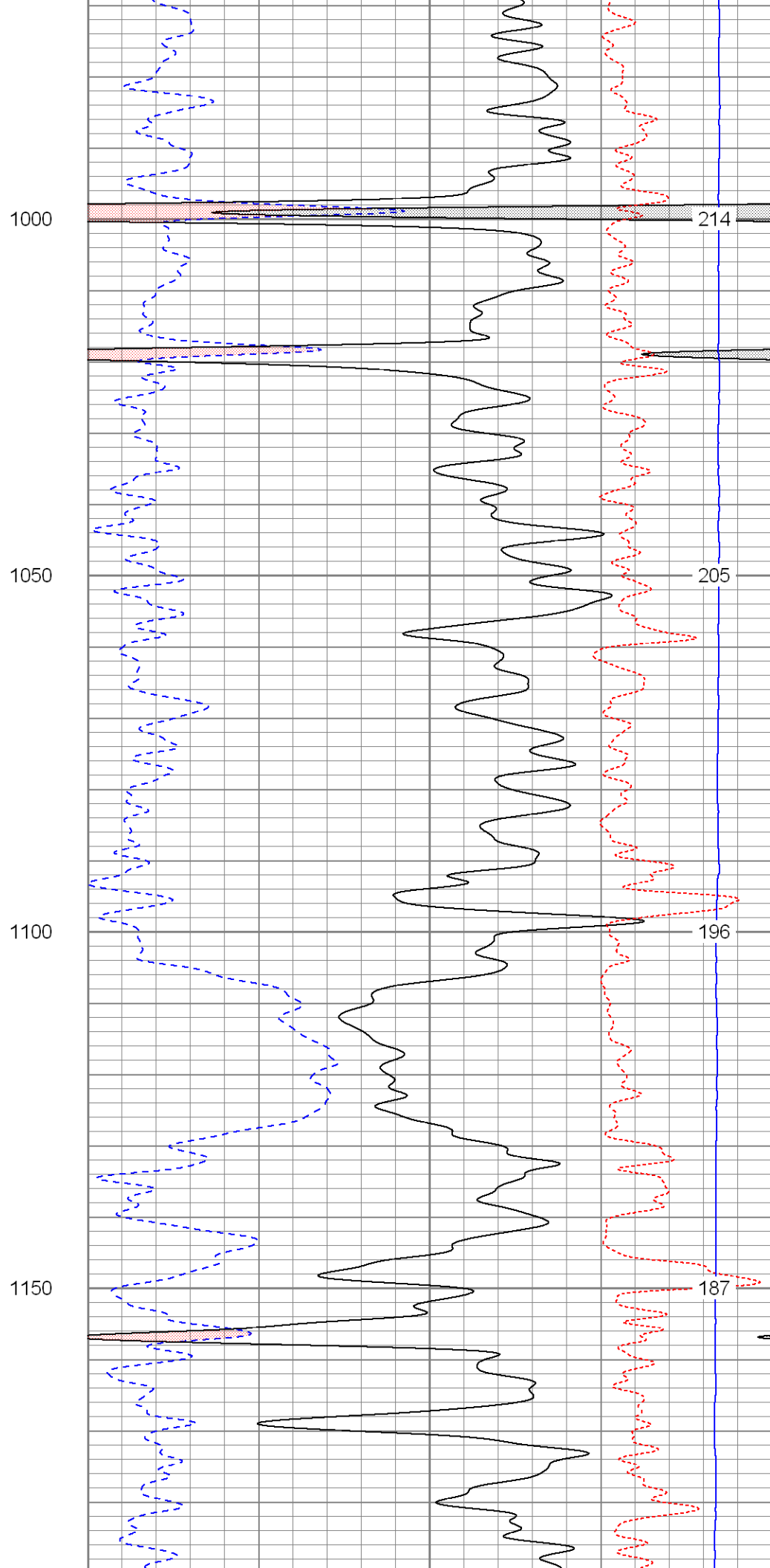
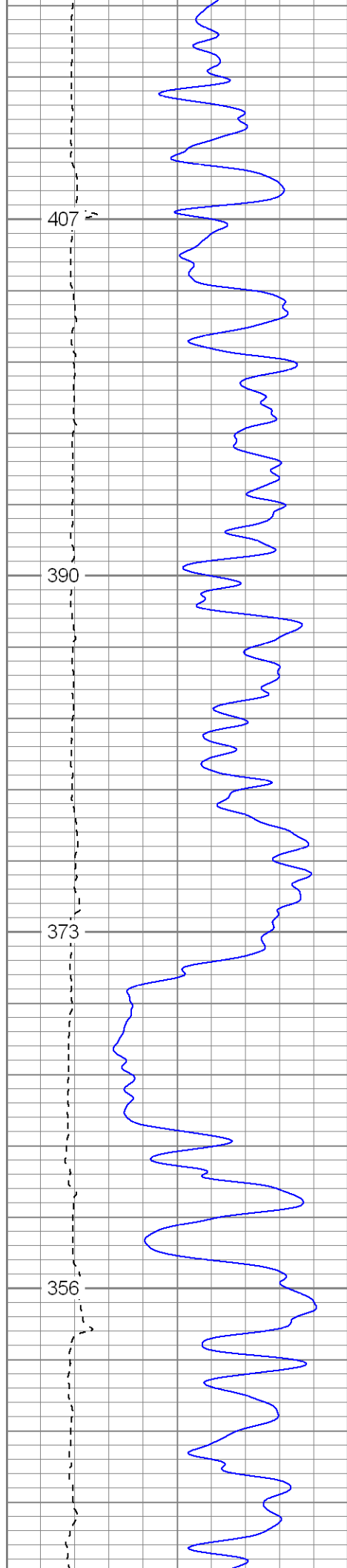
# Main Pass

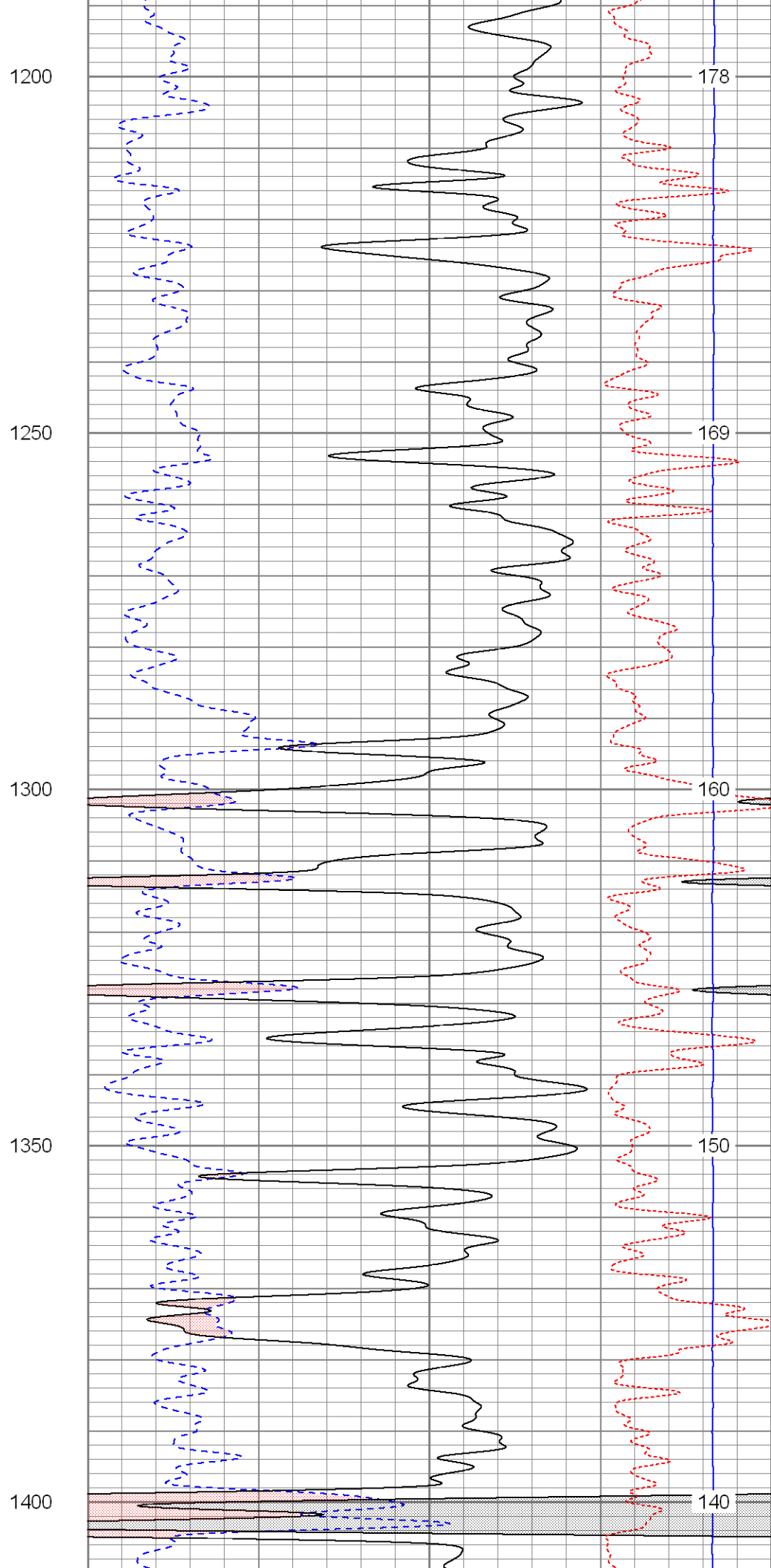
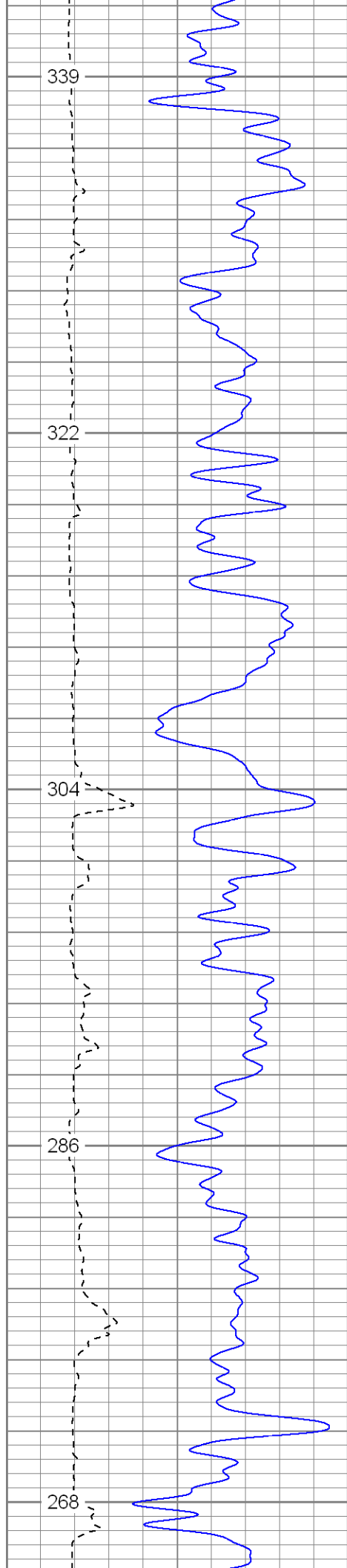
Database File: xtoge3406.db  
Dataset Pathname: pass2.2  
Presentation Format: cdnl  
Dataset Creation: Fri Jul 11 23:24:36 2008 by Calc Open-Cased 071220  
Charted by: Depth in Feet scaled 1:240

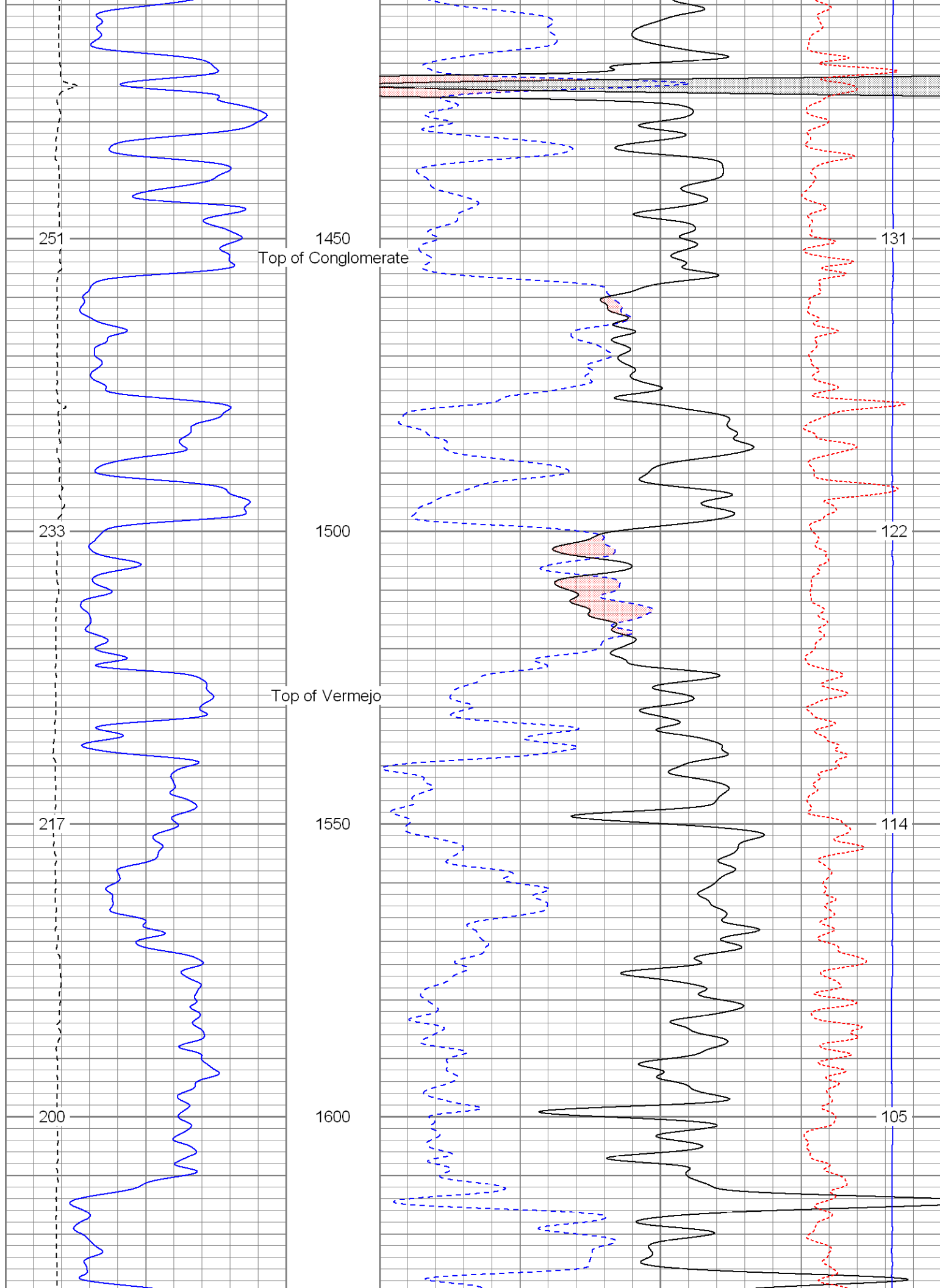


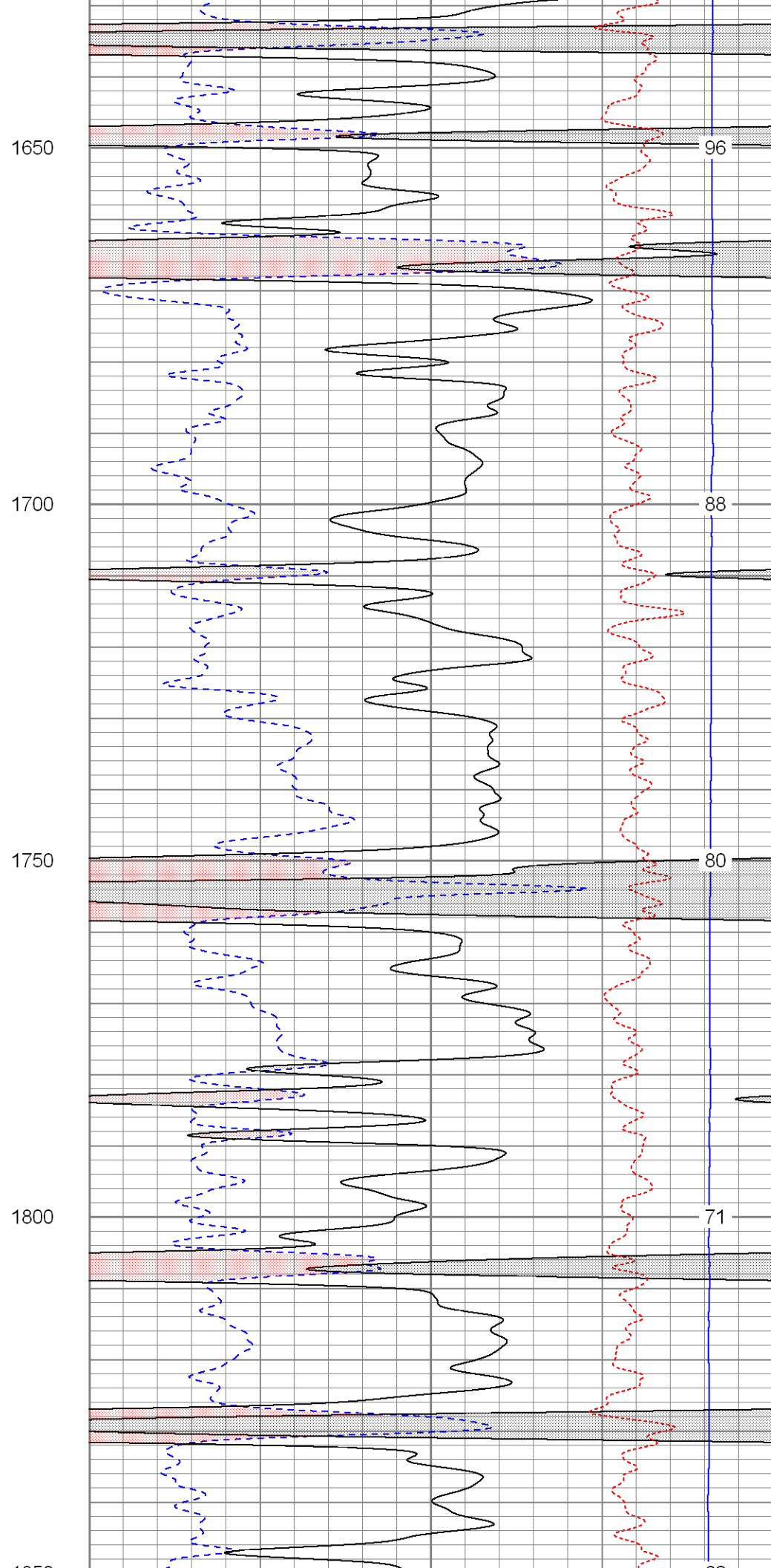
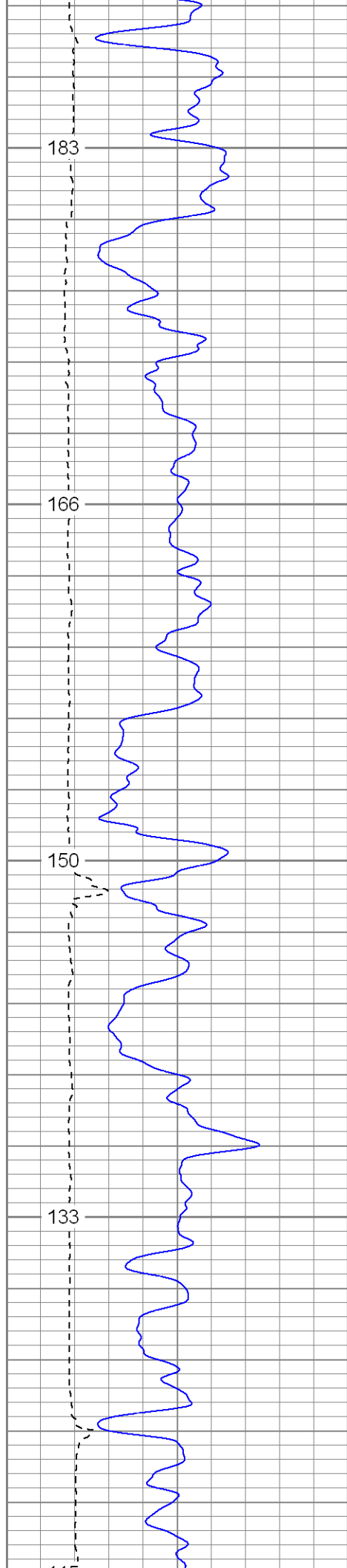




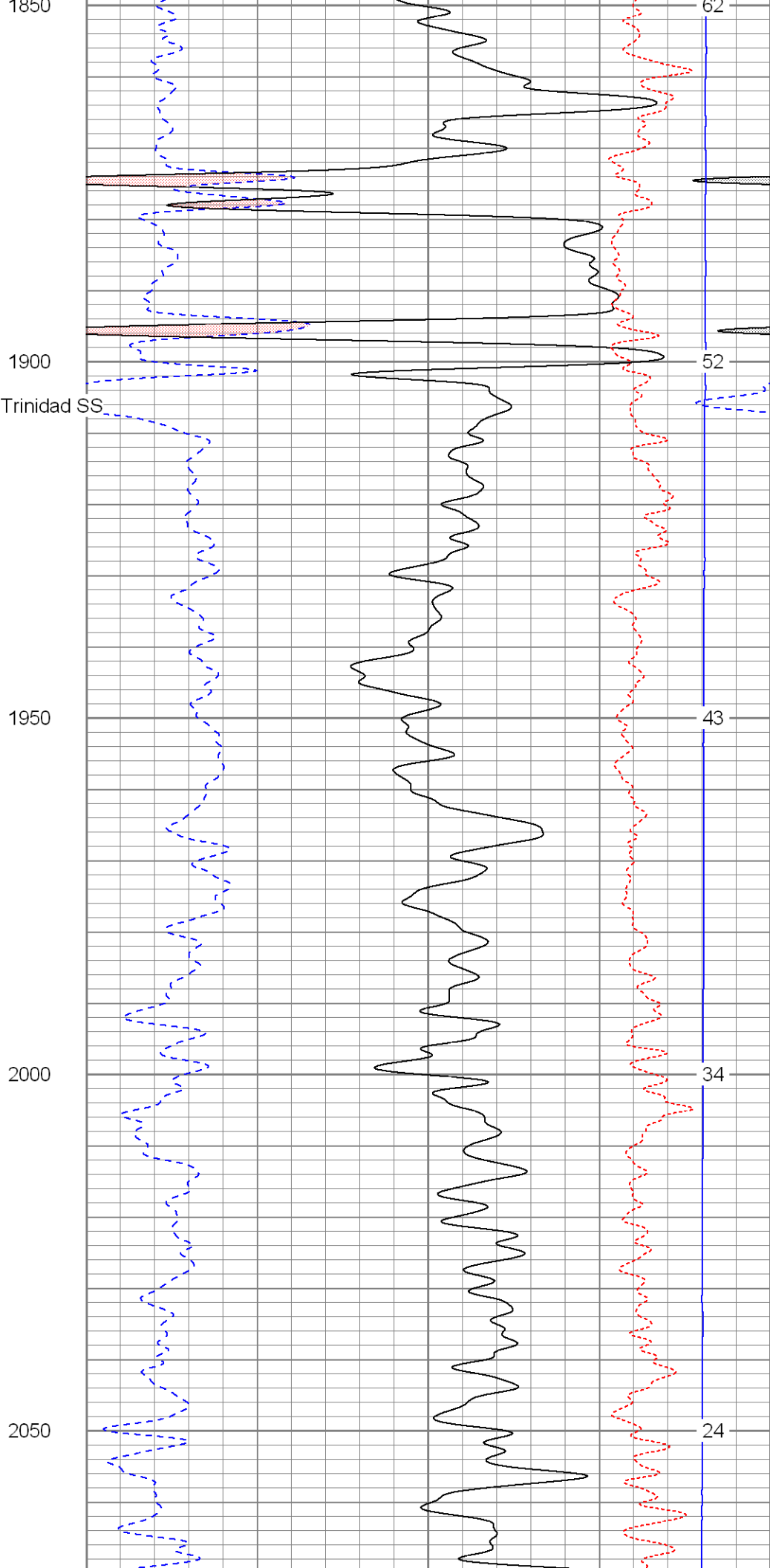
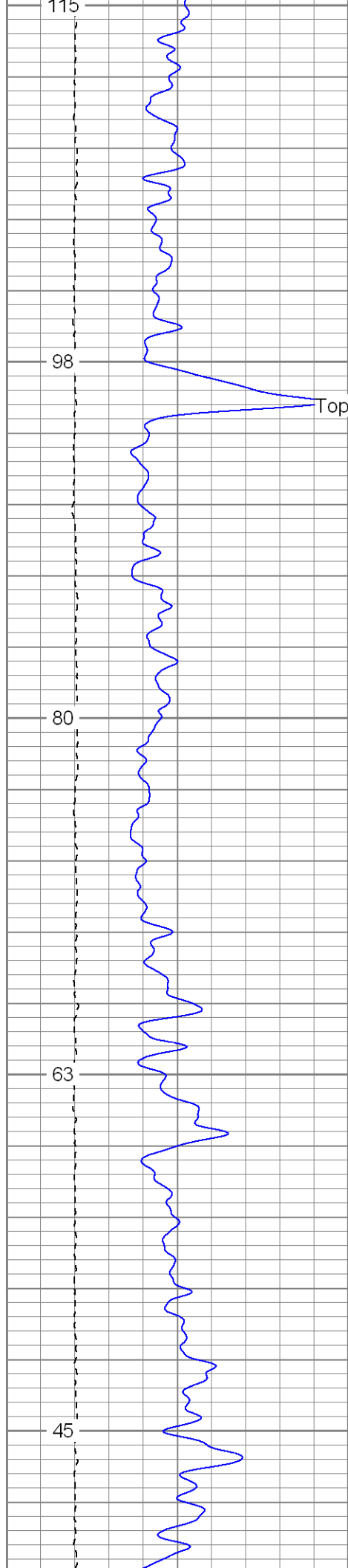


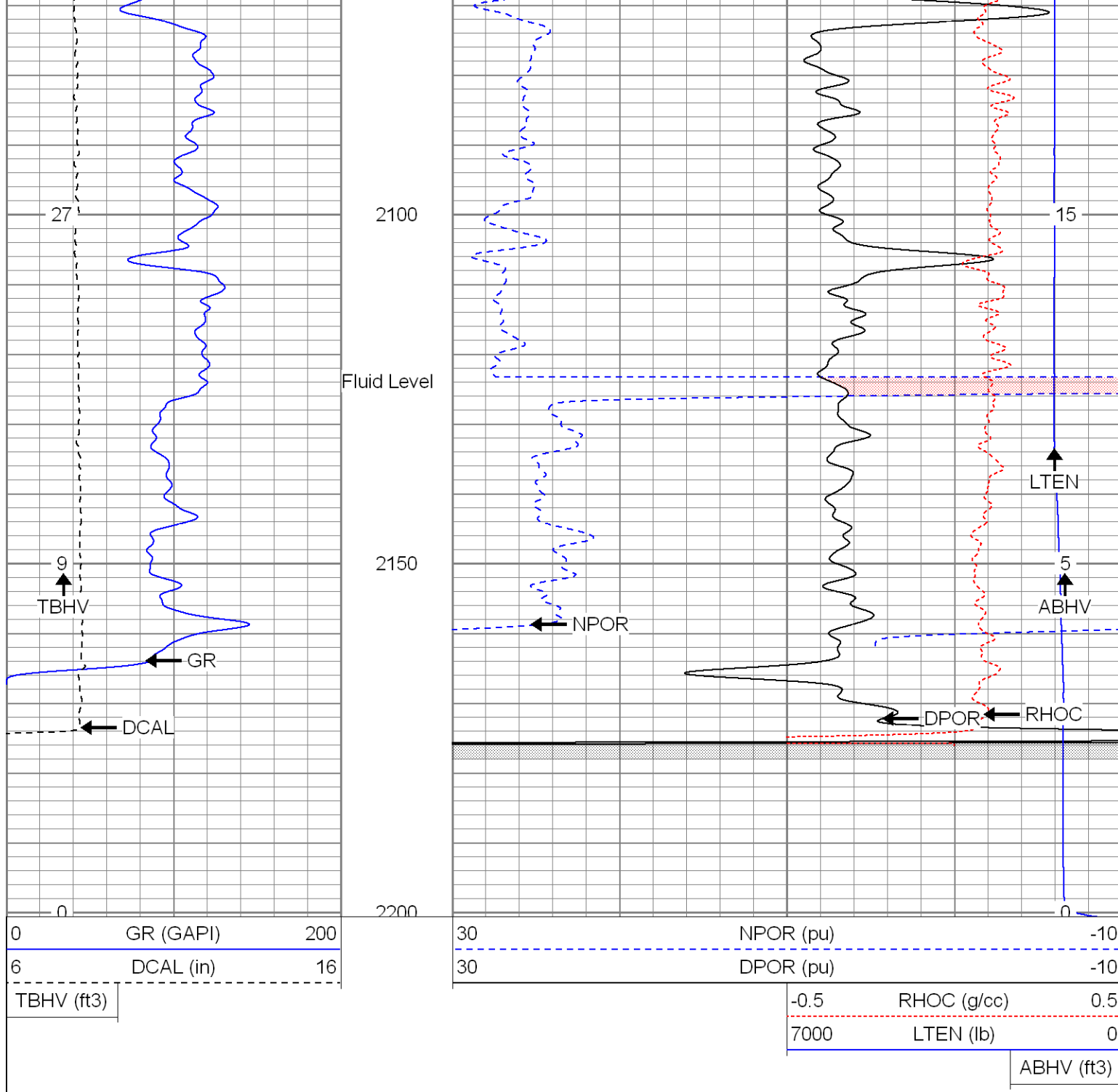












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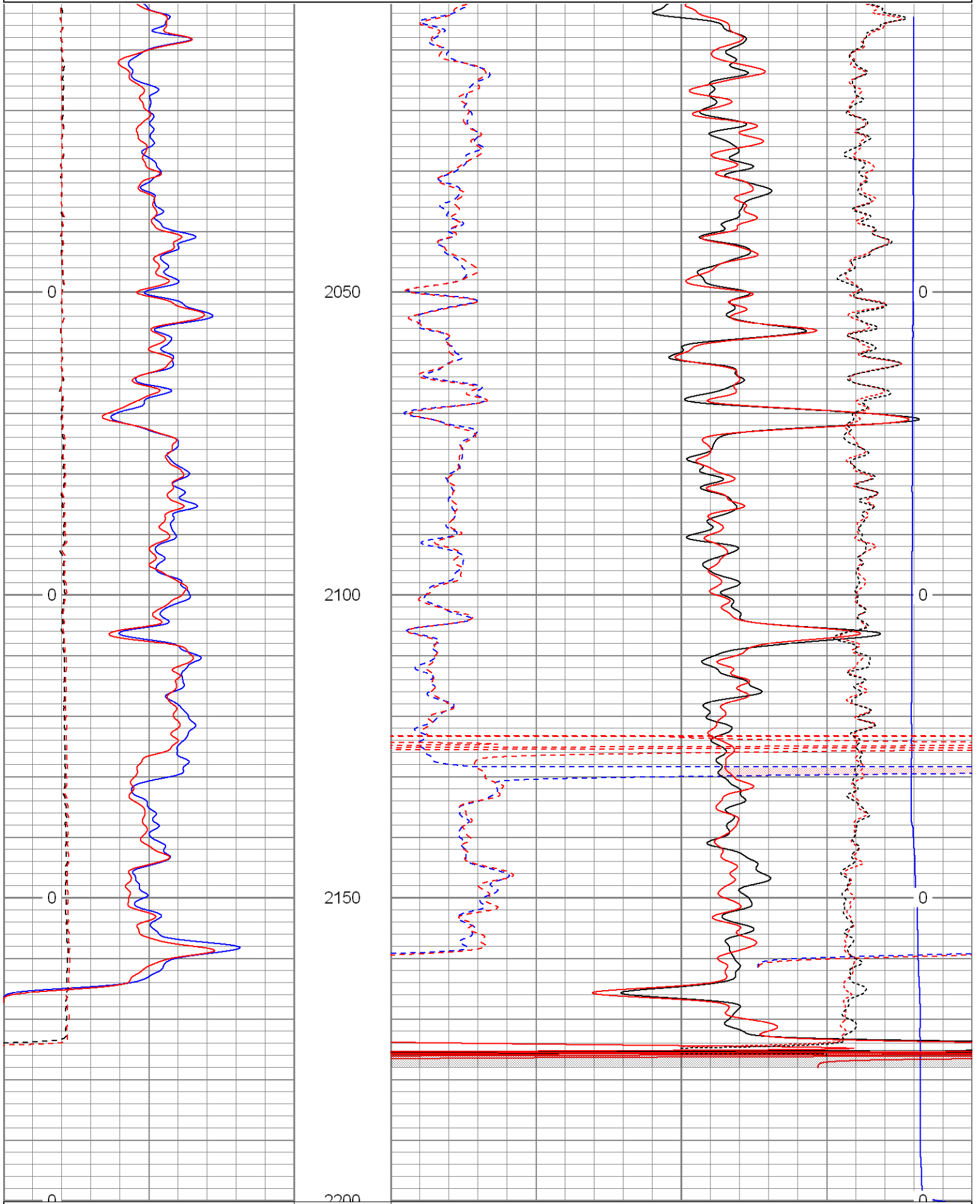
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Database File: xtoge3406.db  
Dataset Pathname: pass1.2  
Presentation Format: cdnl  
Dataset Creation: Fri Jul 11 22:27:17 2008 by Calc Open-Cased 071220  
Charted by: Depth in Feet scaled 1:240

0	GR (GAPI)	200	30	NPOR (pu)	-10
6	DCAL (in)	16	30	DPOR (pu)	-10
0	GR-repeat (GAPI)	200	30	NPOR-repeat (pu)	-10
6	DCAL-repeat (in)	16	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)		



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)		



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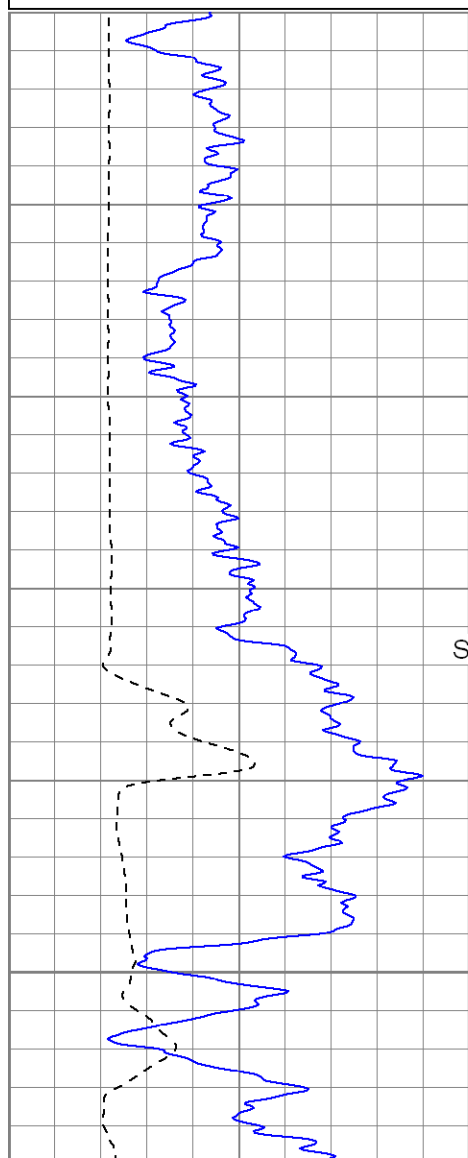
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# High Resolution Pass

Database File: xtoge3406.db  
Dataset Pathname: pass2.4  
Presentation Format: cdlhr  
Dataset Creation: Mon Jul 14 08:18:34 2008 by Calc Open-Cased 071220  
Charted by: Depth in Feet scaled 1:120

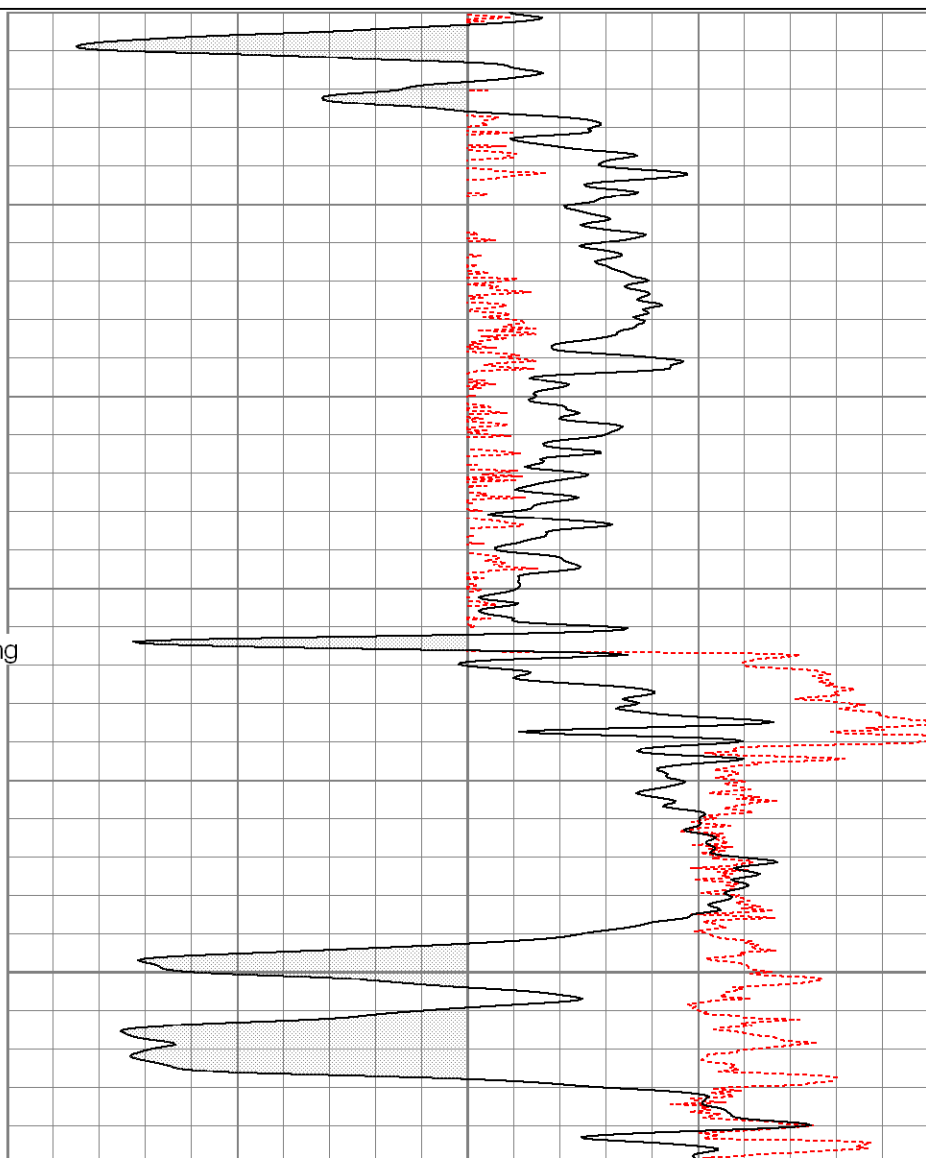
0	GR (GAPI)	200
6	DCAL (in)	16

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



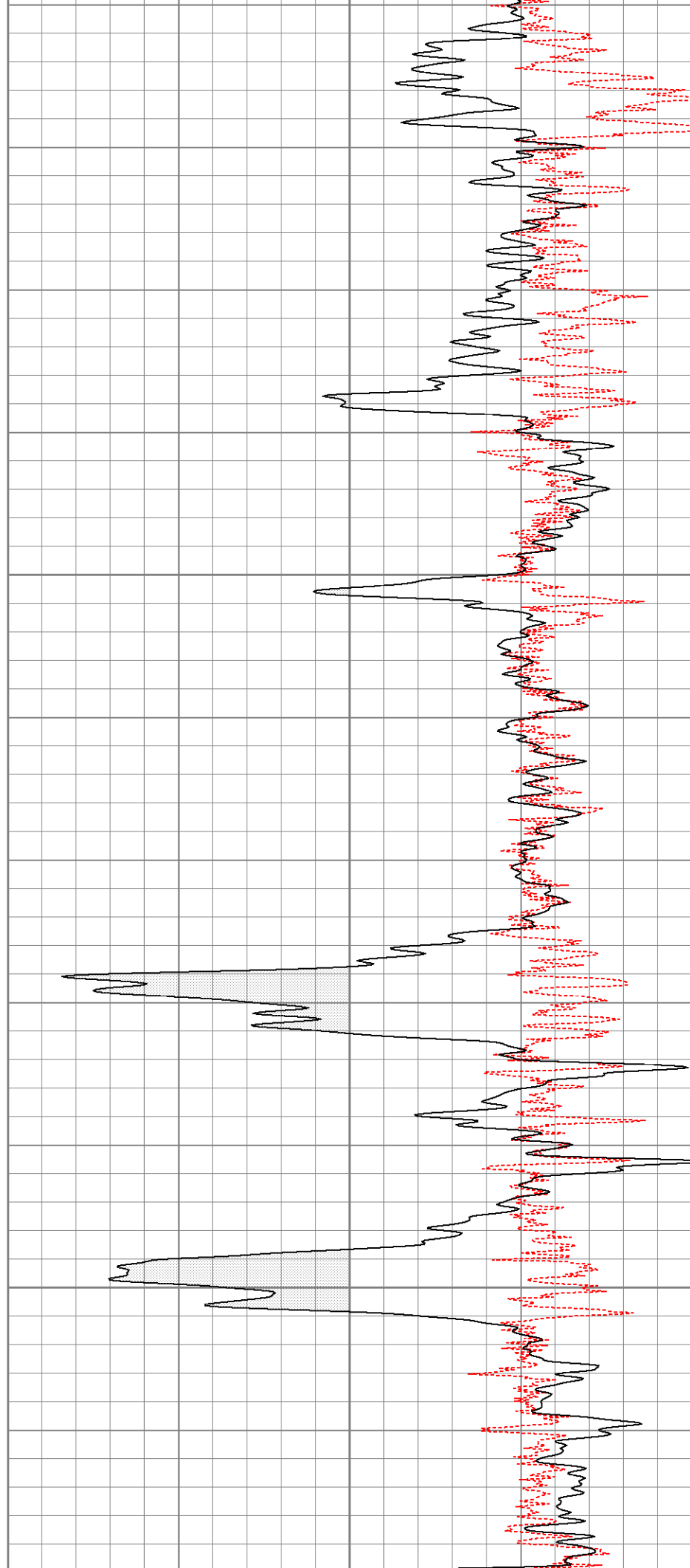
Surface Casing

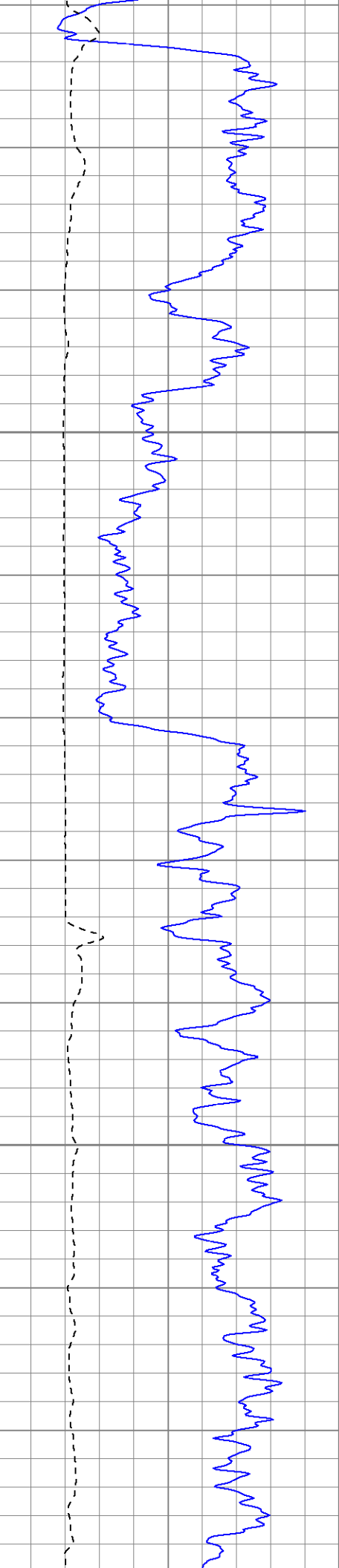
500



550

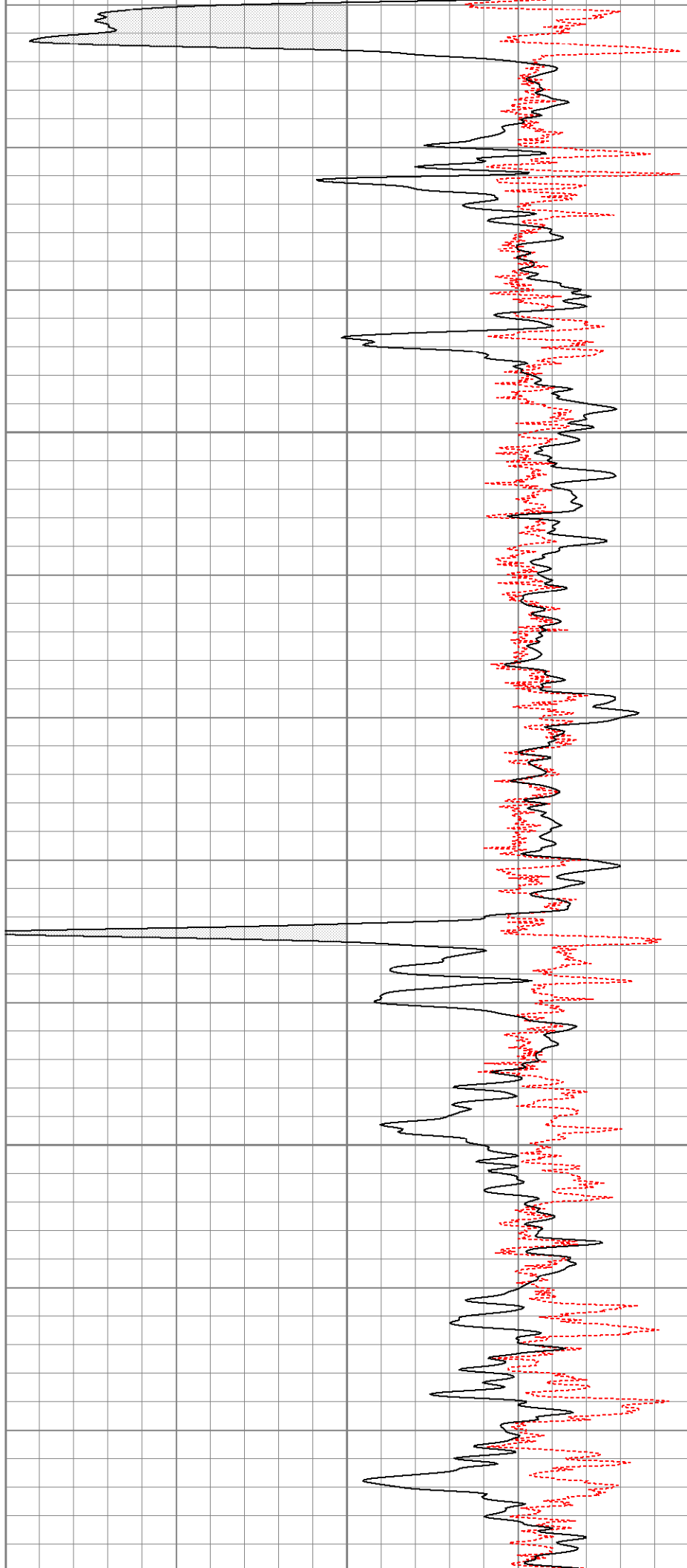
600





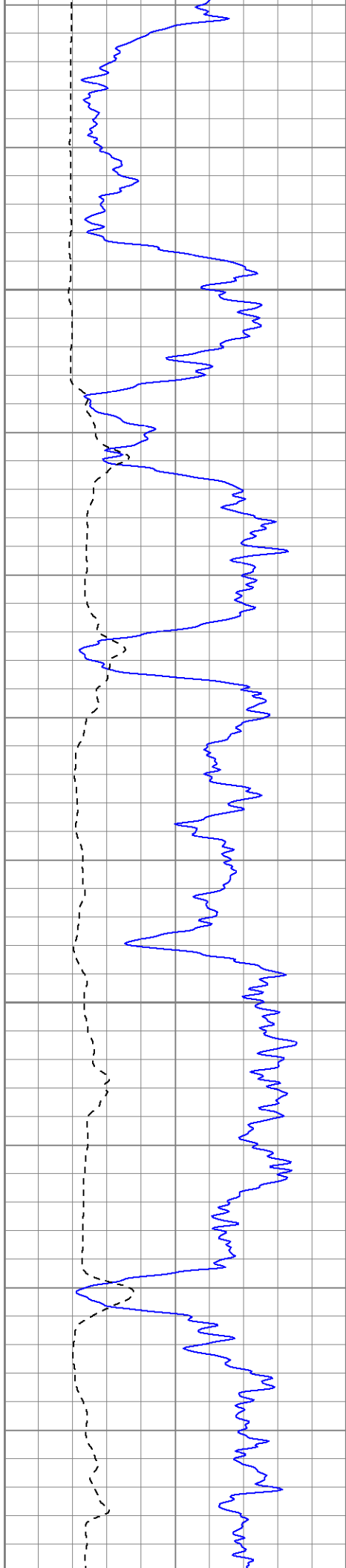
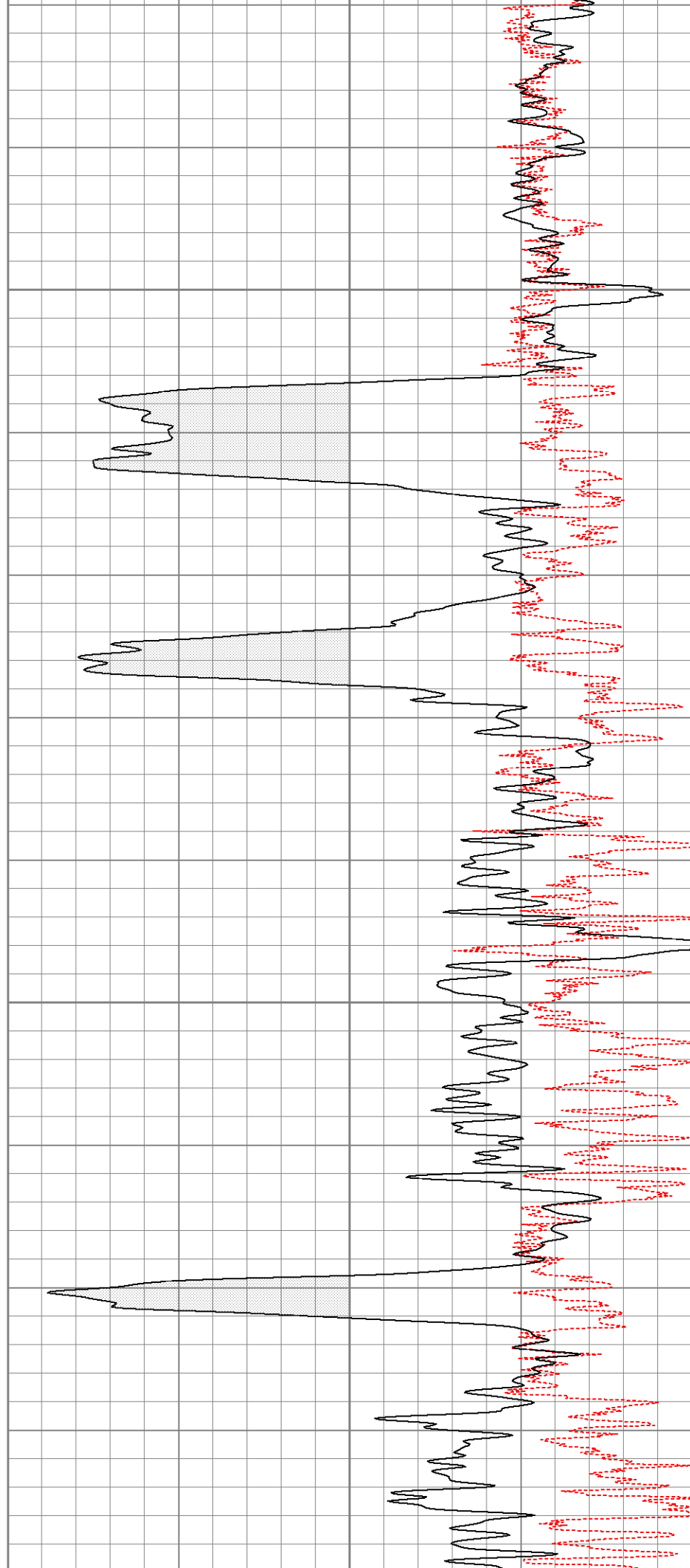
650

700



750

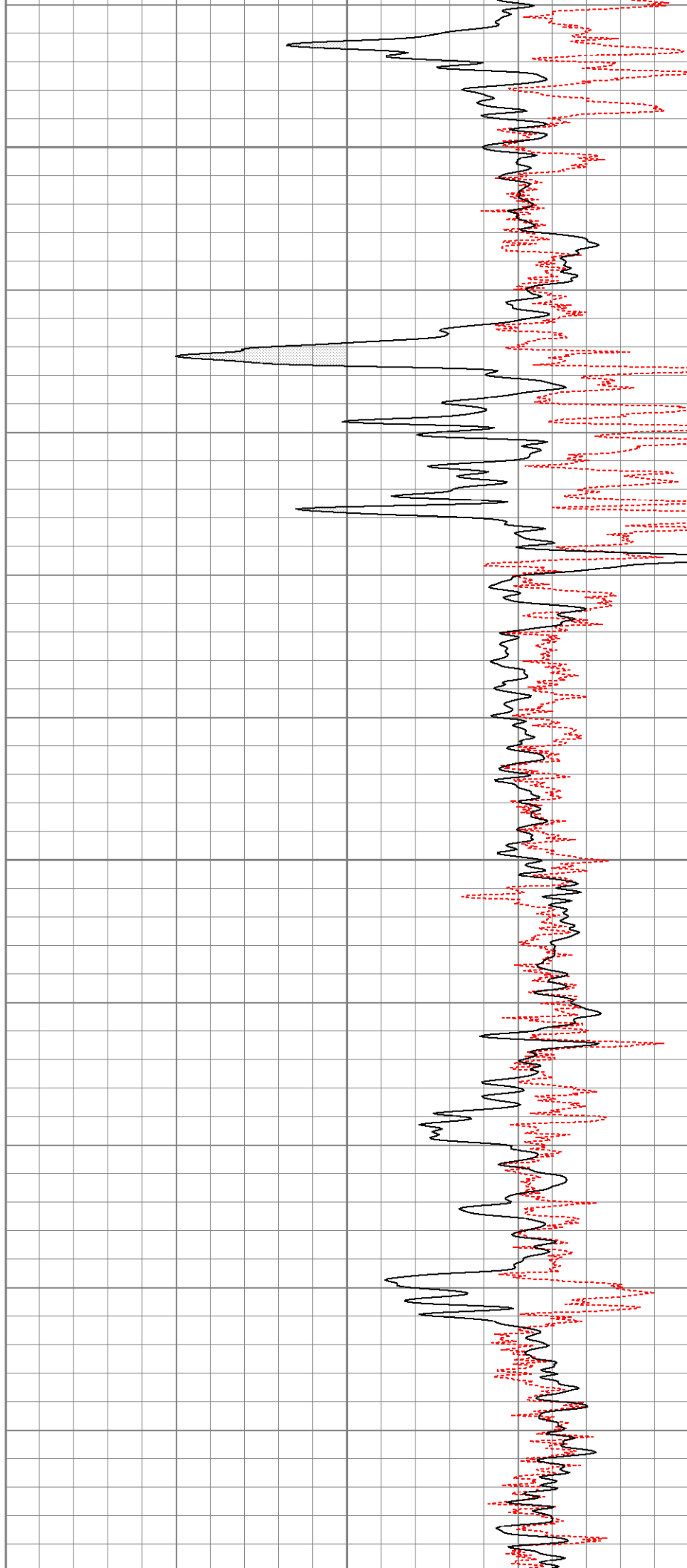
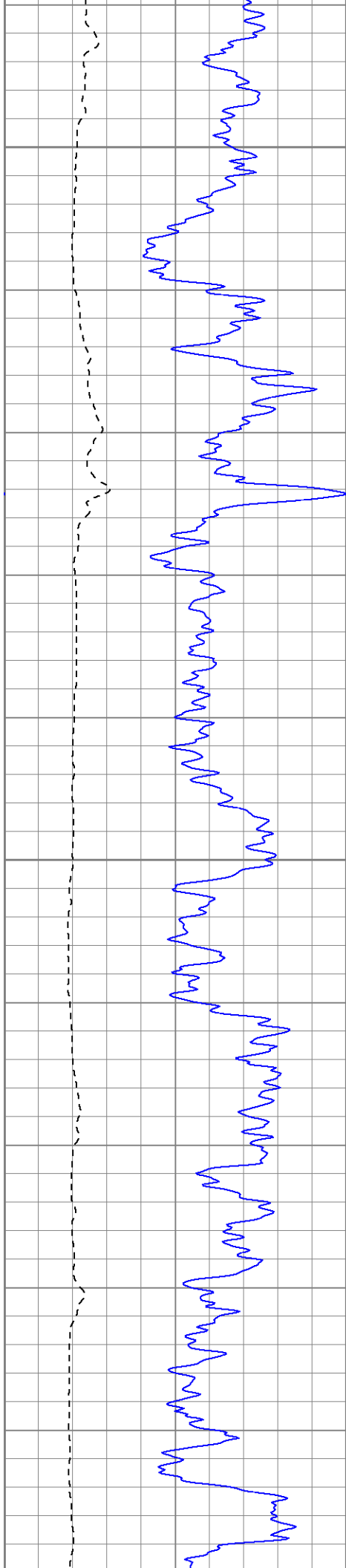
800



850

900

950

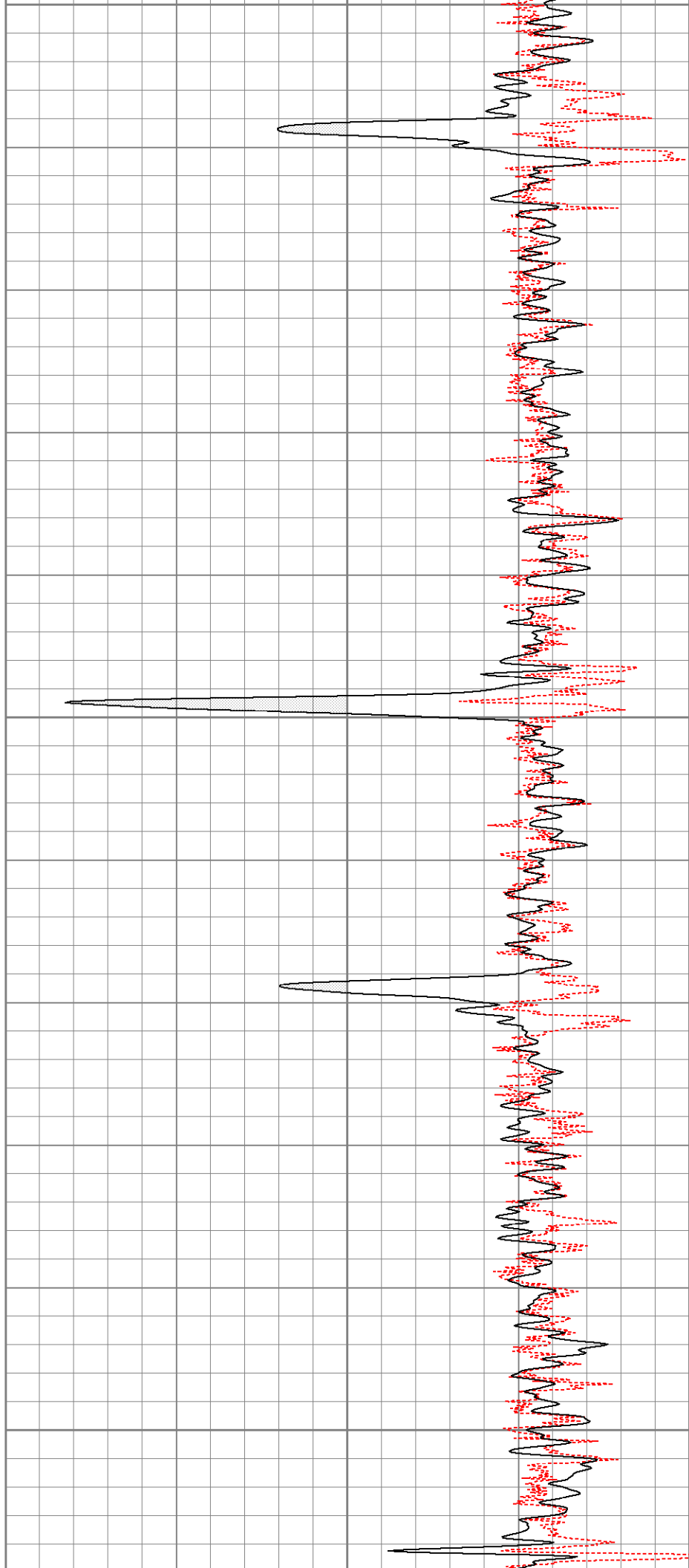
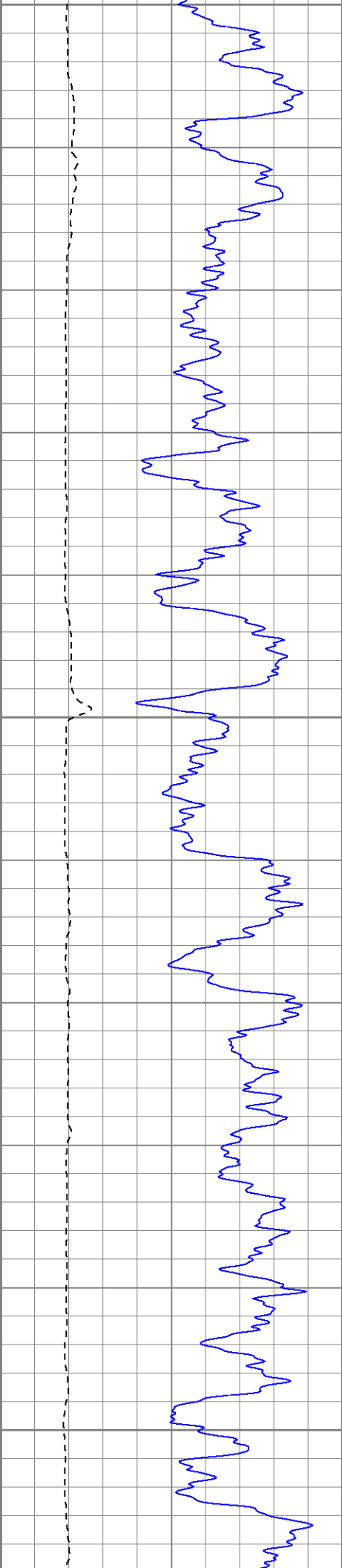


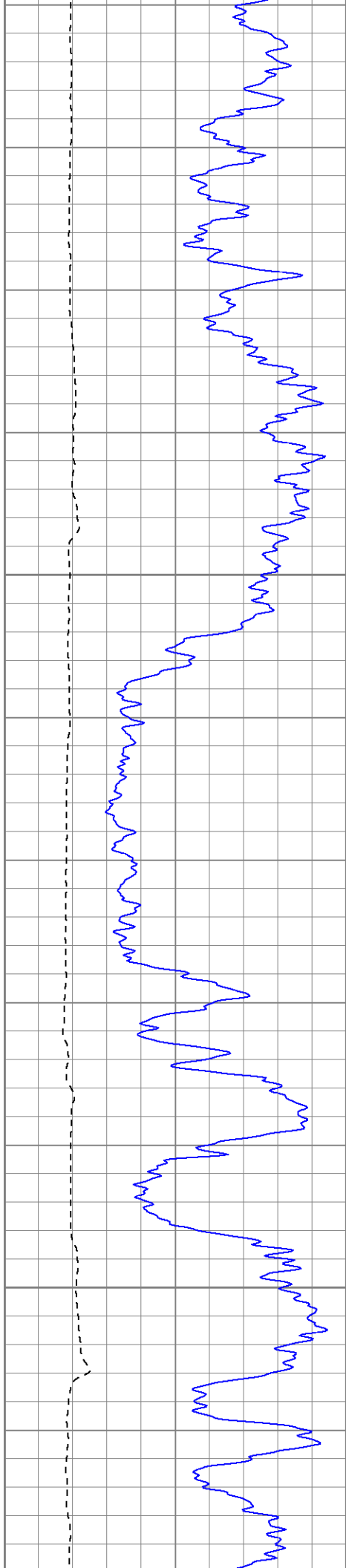


950

1000

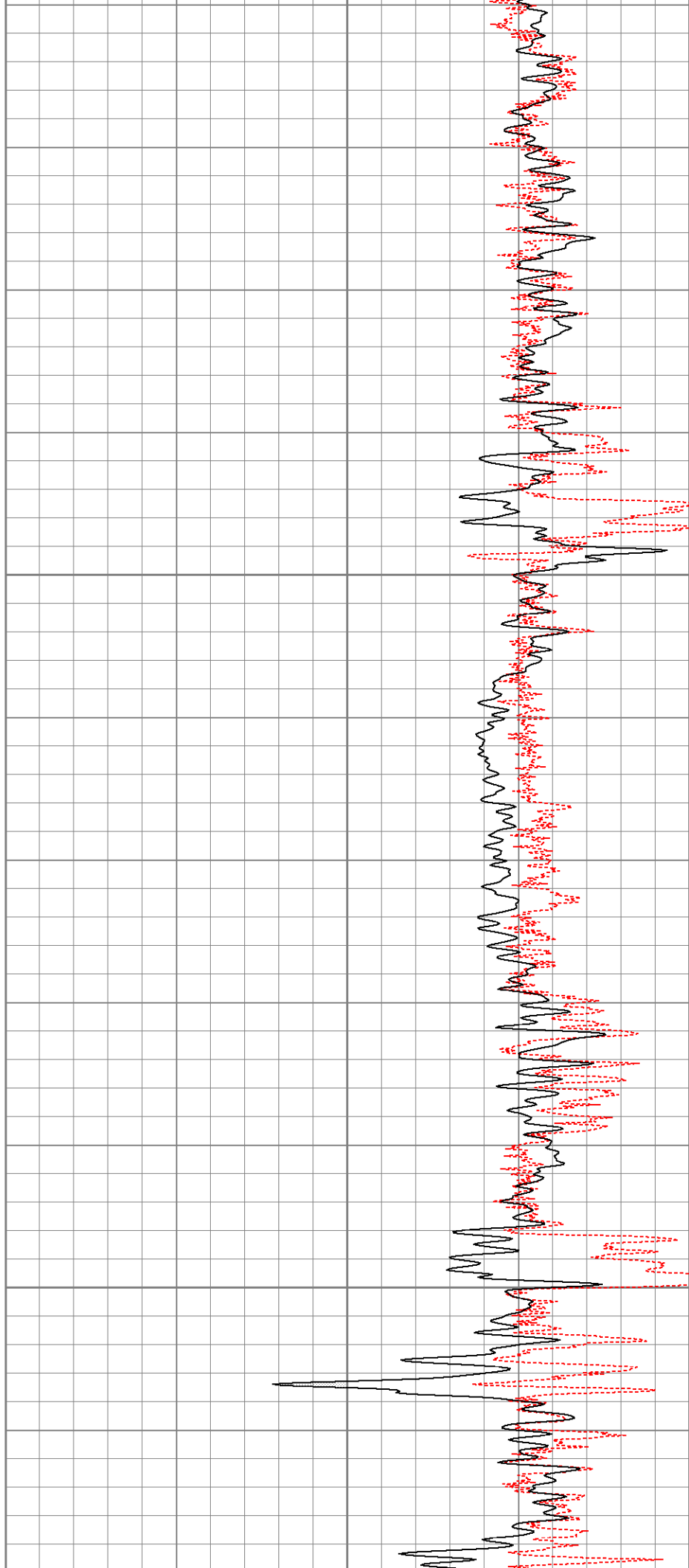
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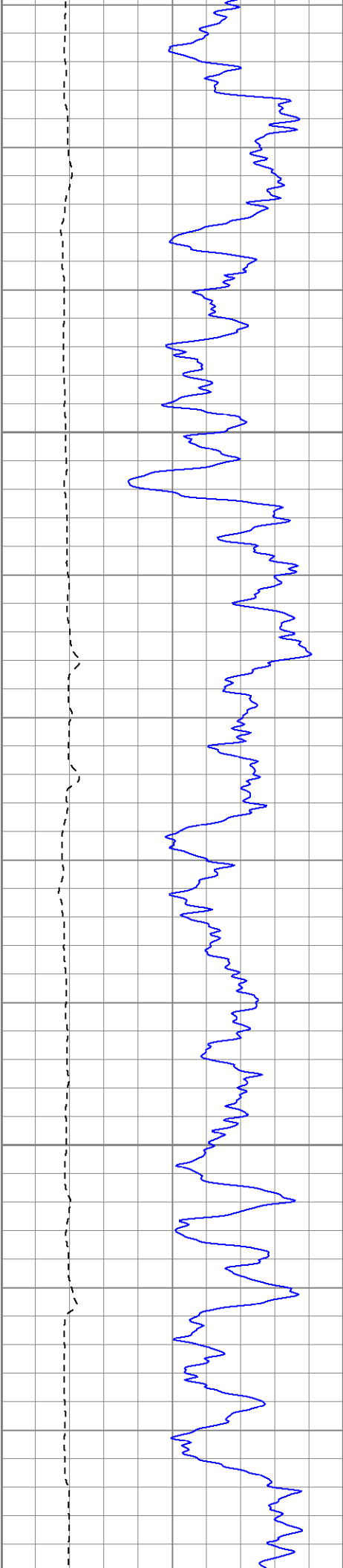




1100

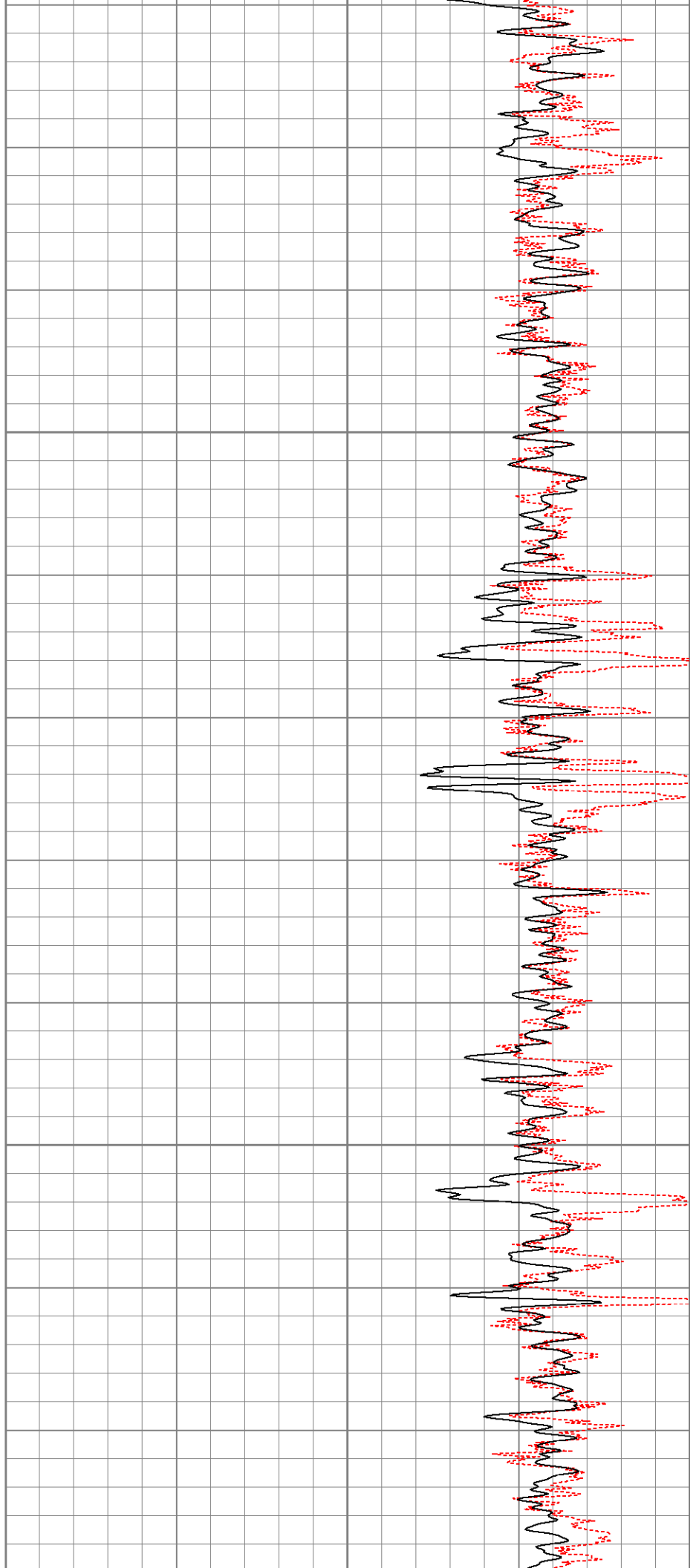
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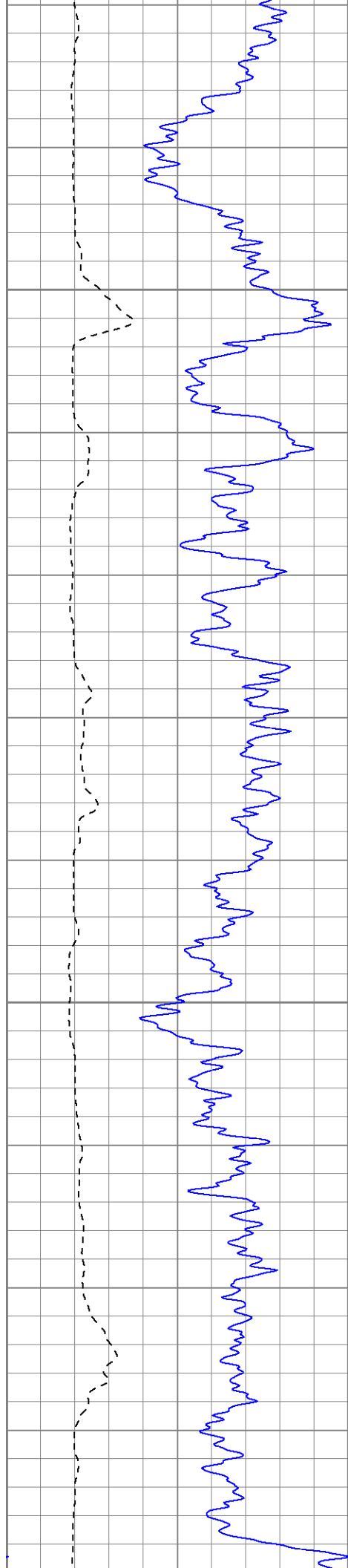




1200

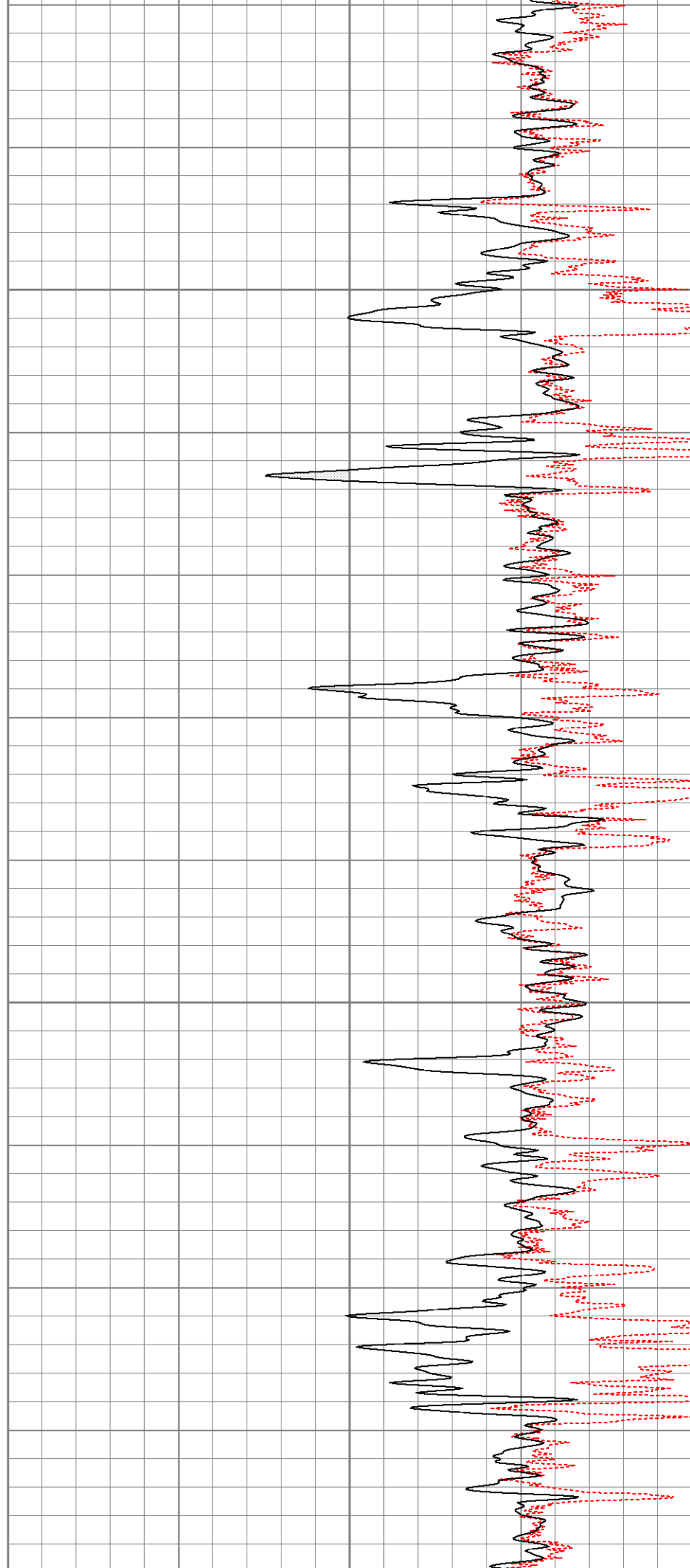
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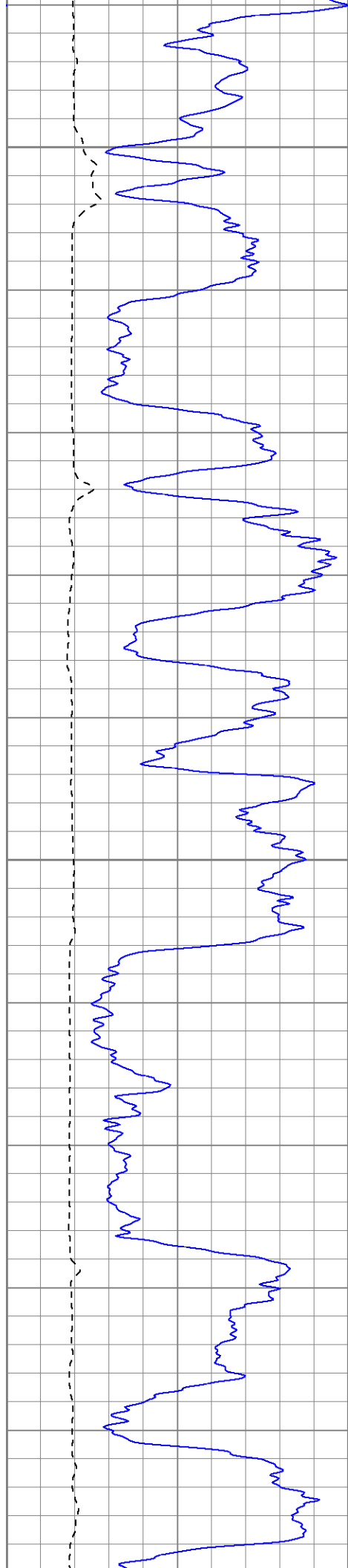




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1350

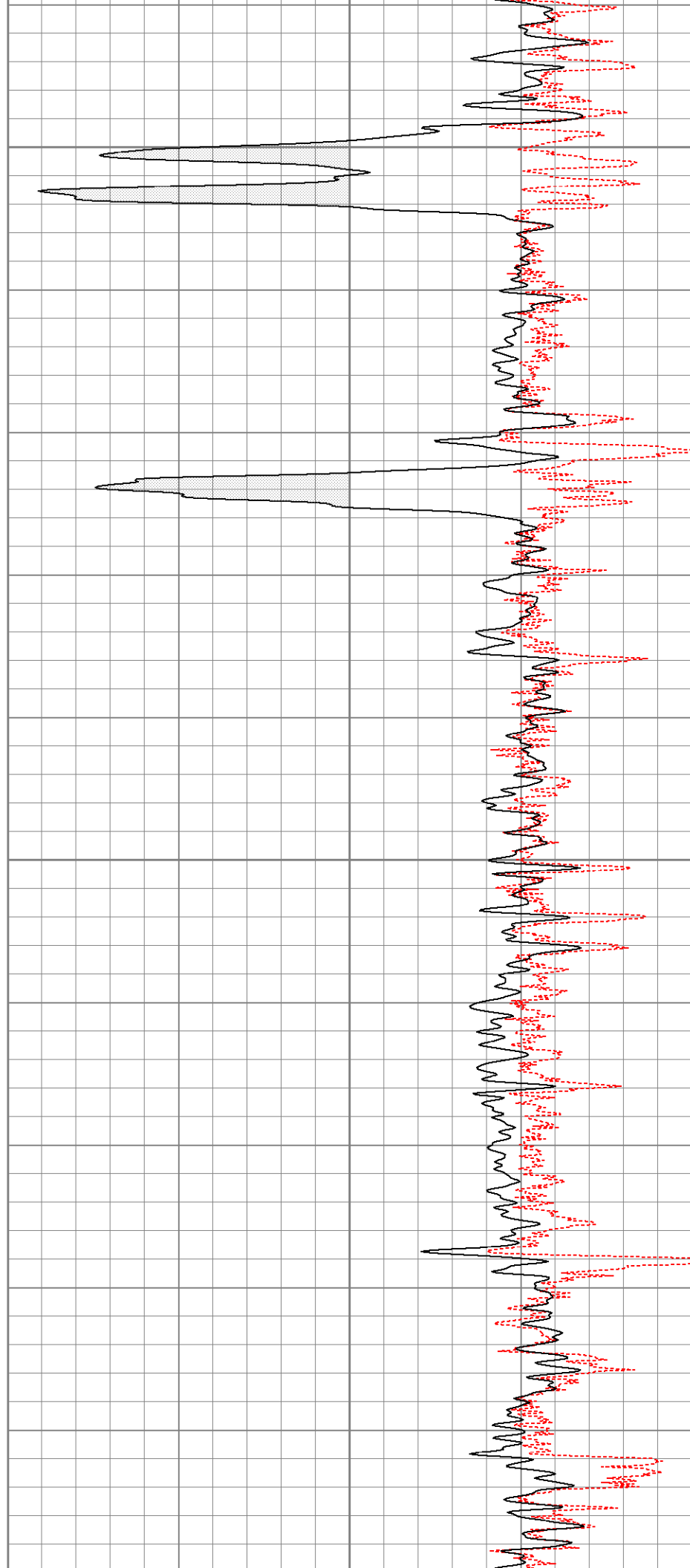




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1450

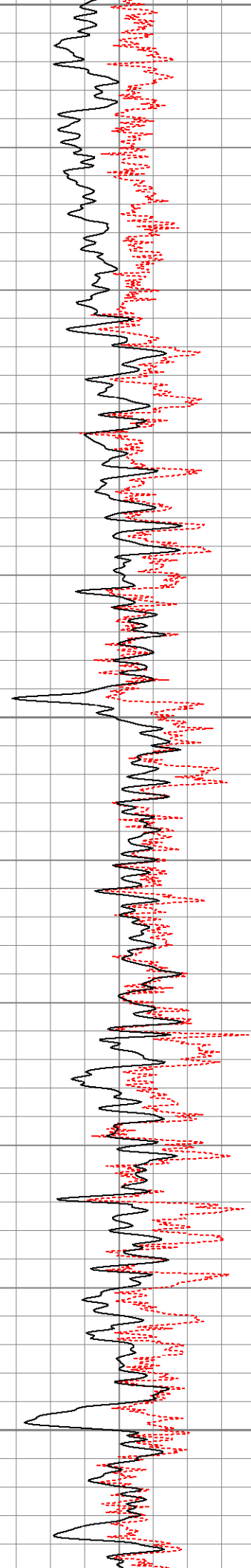
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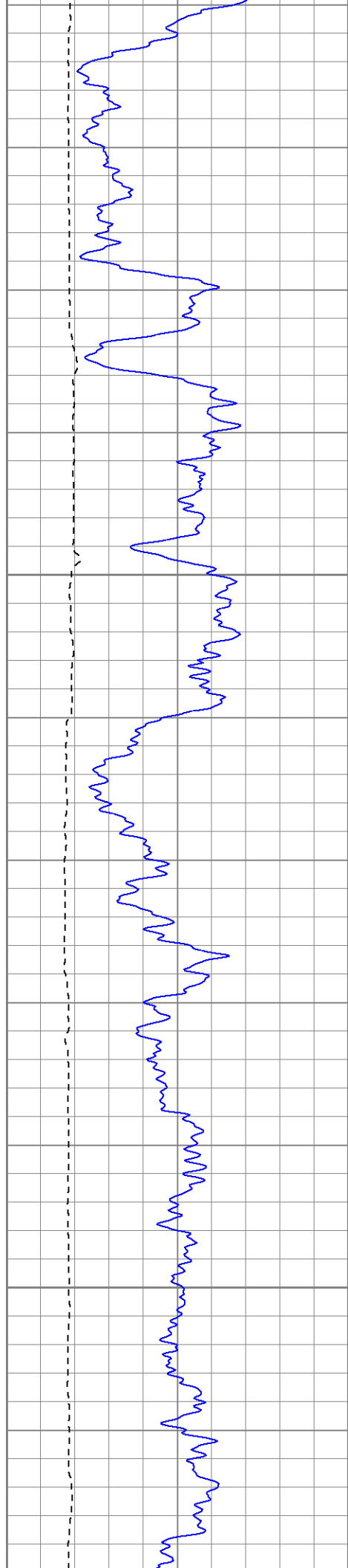


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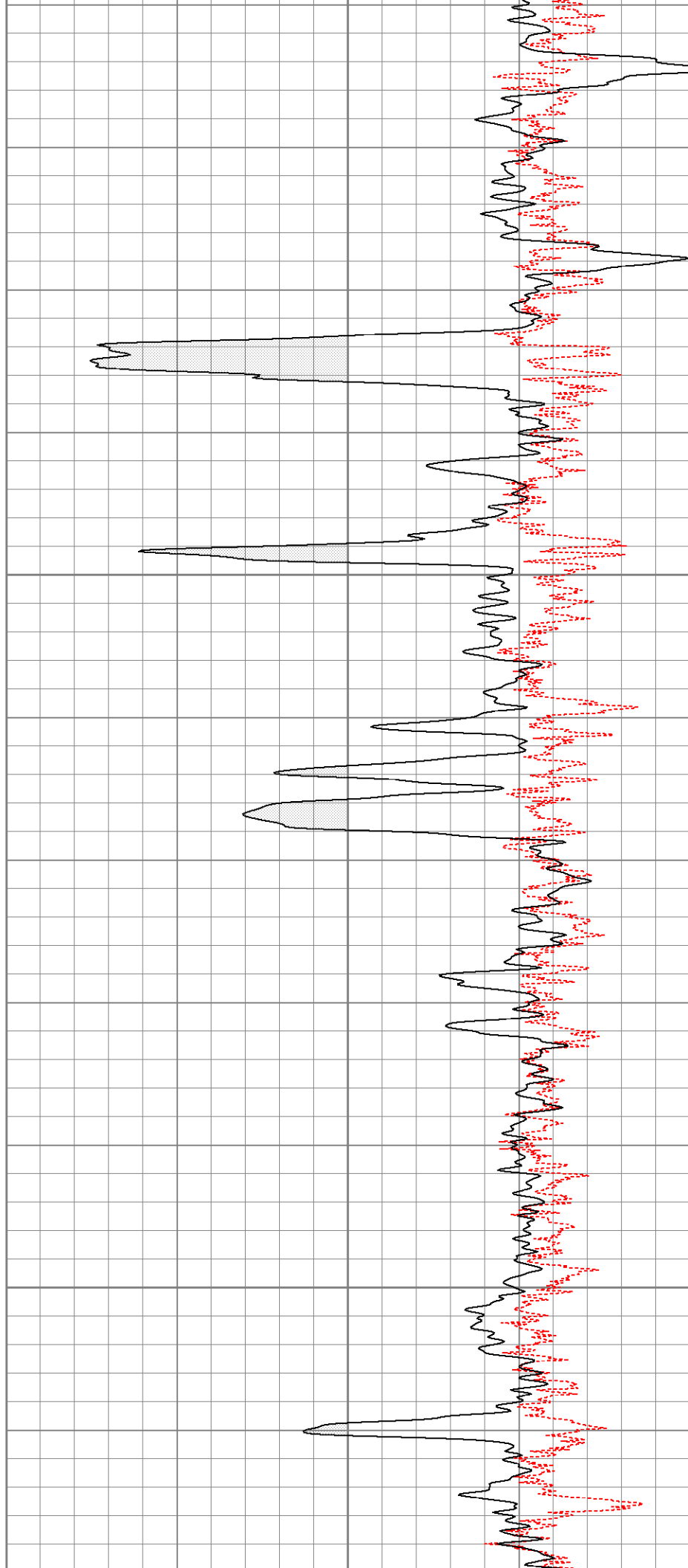
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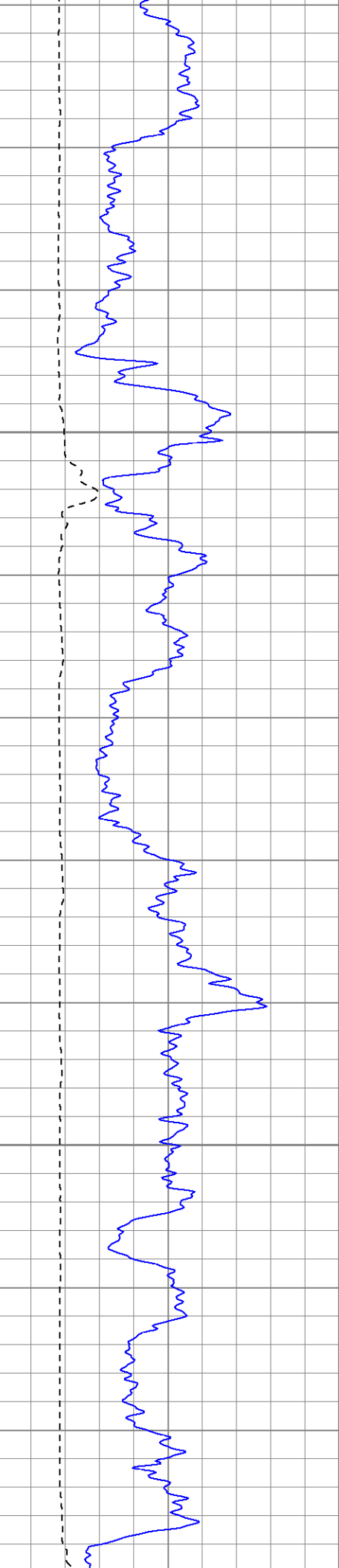




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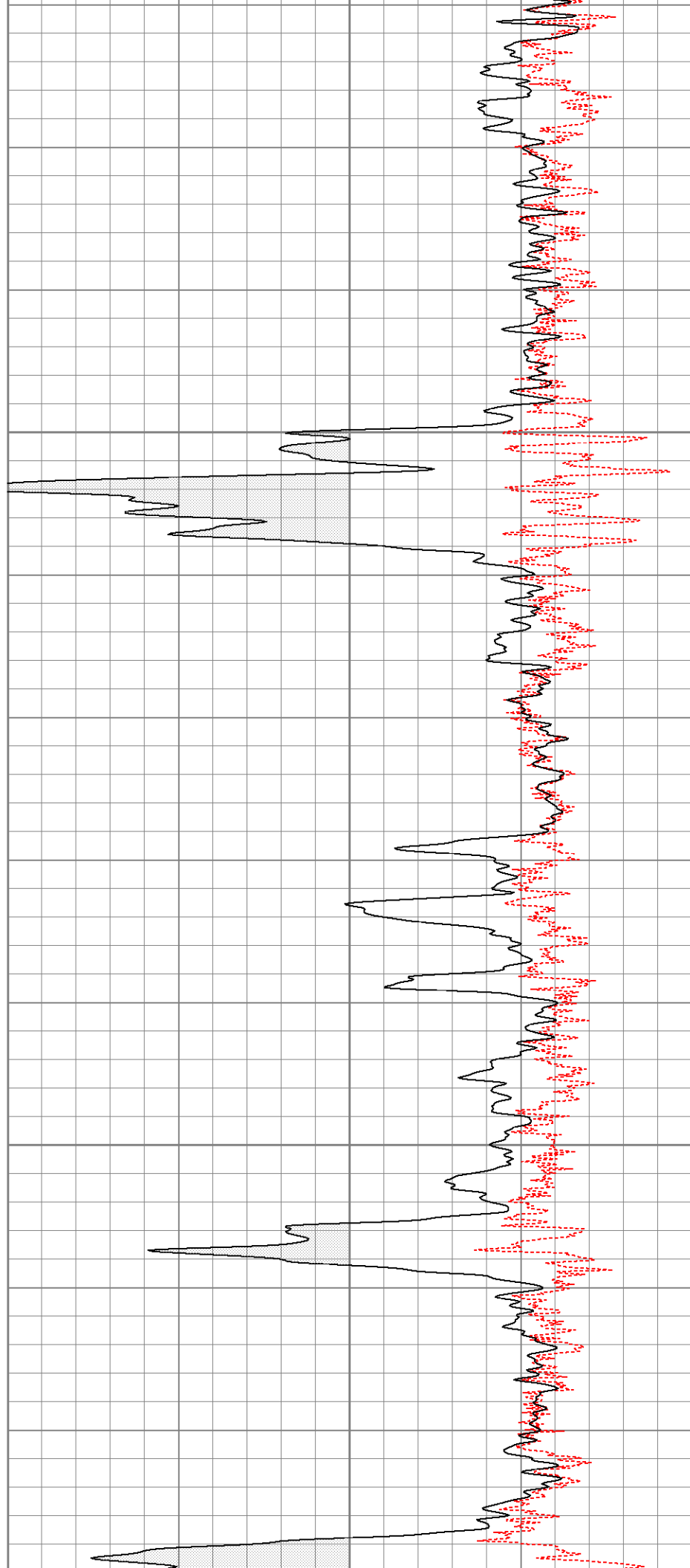
1700





1750

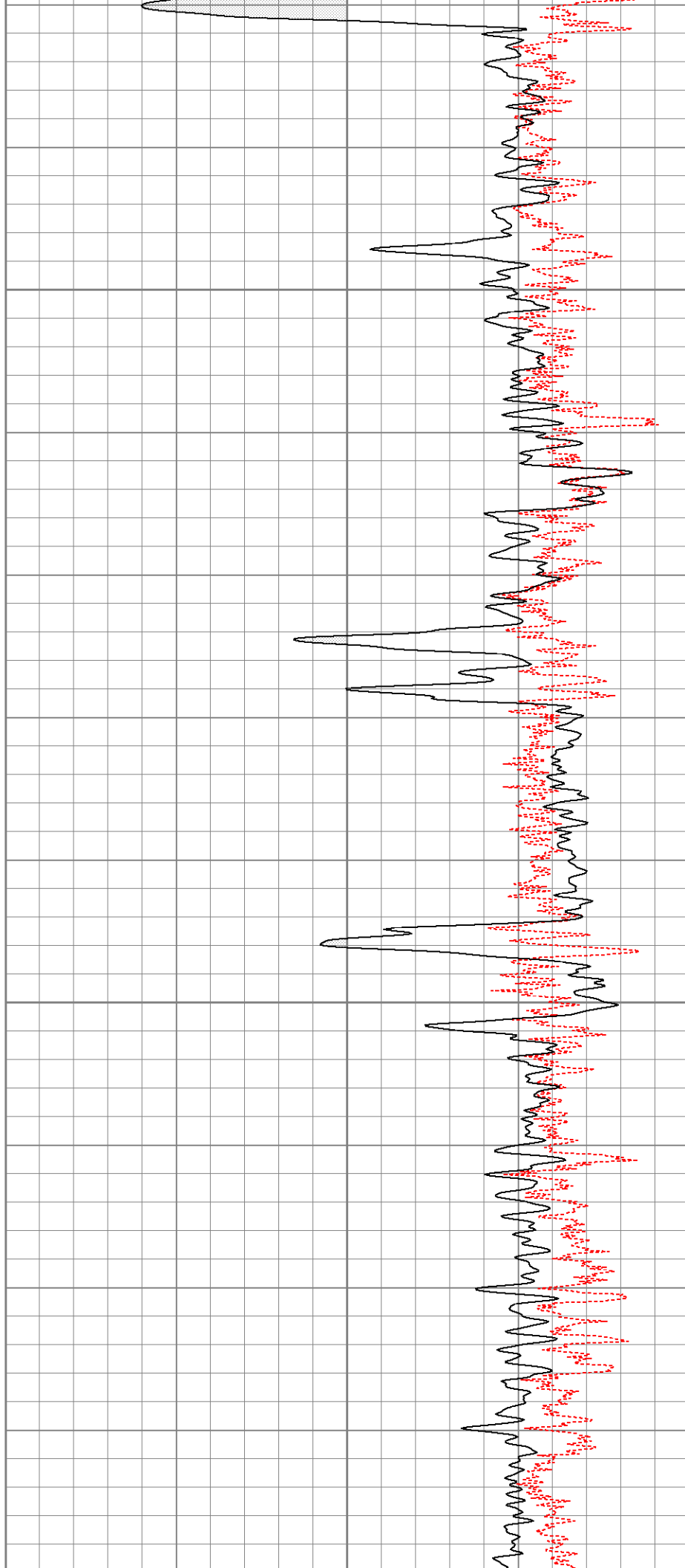
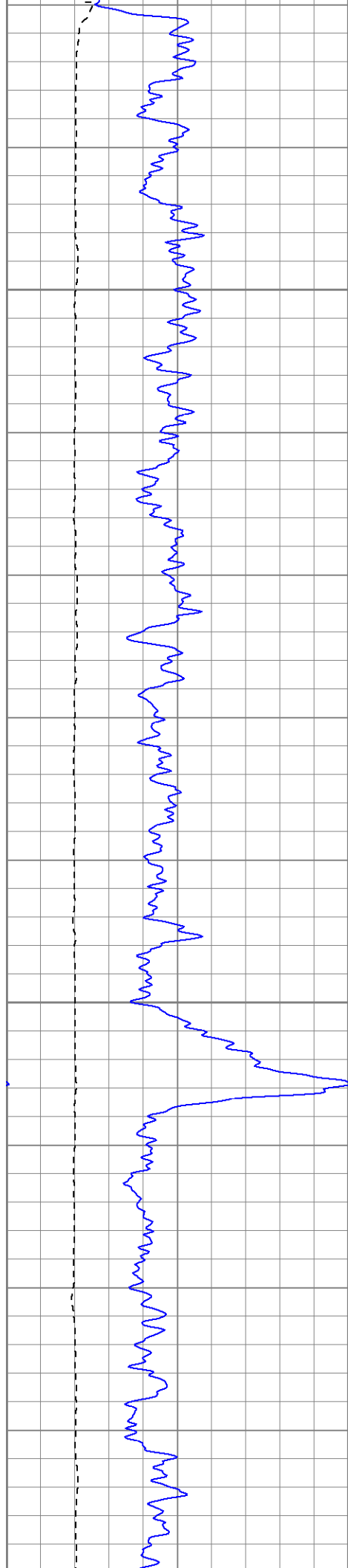
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1850

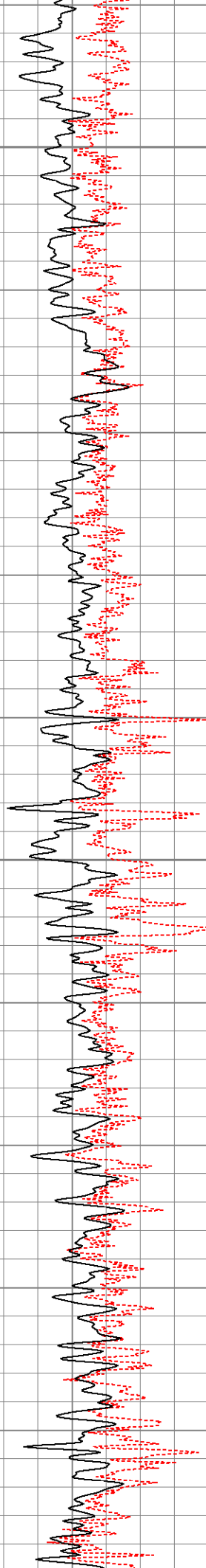
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1950

2000

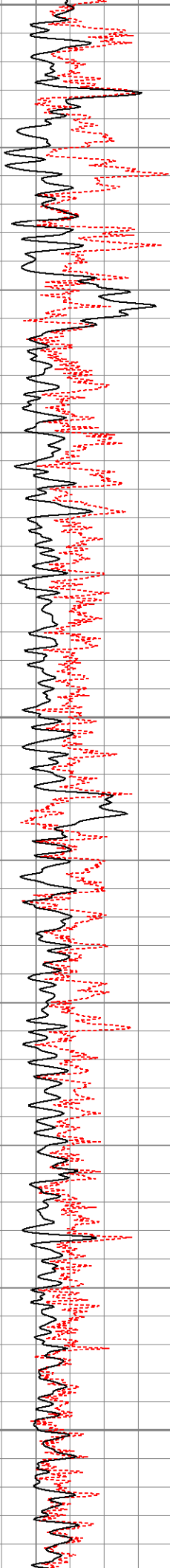
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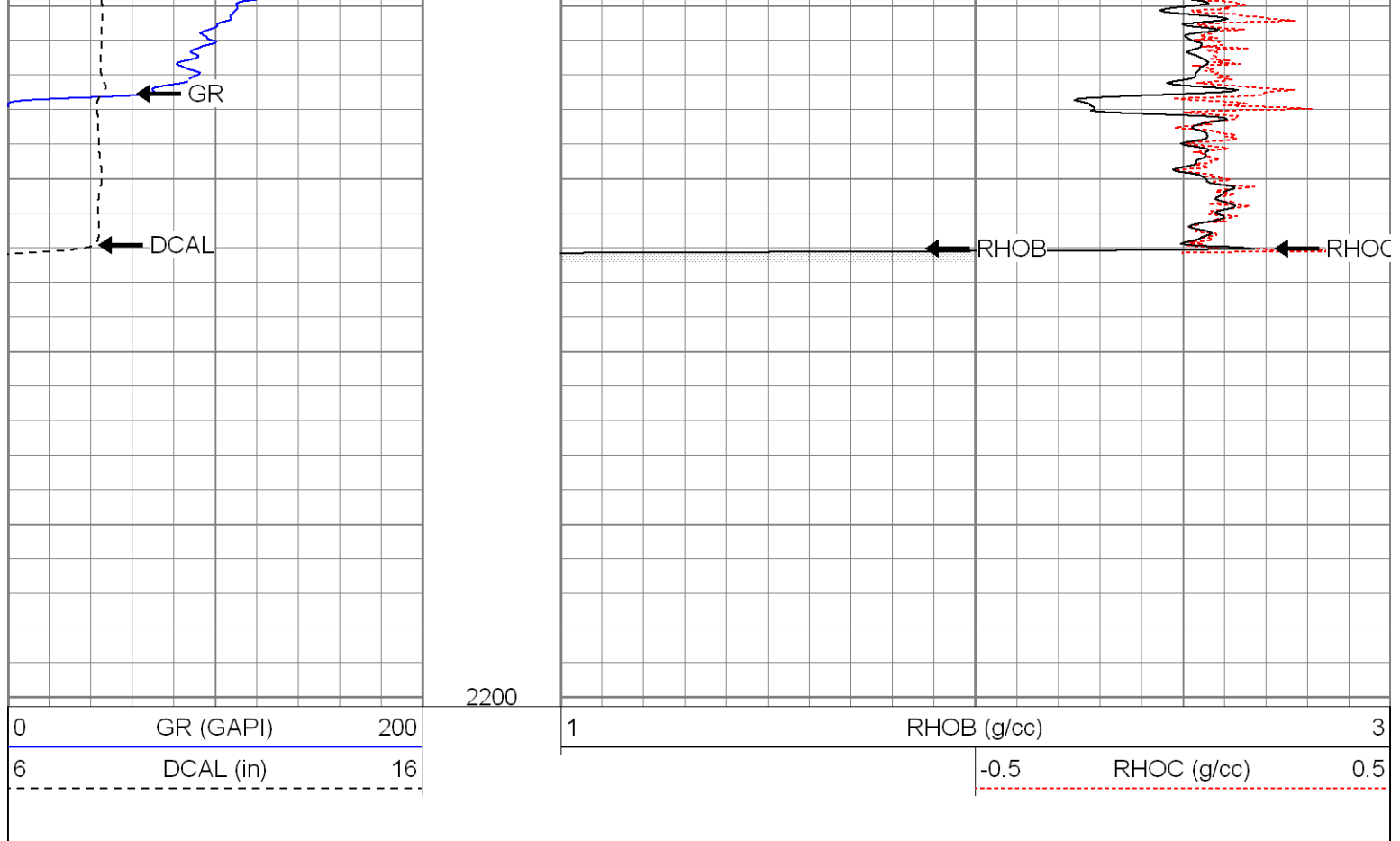


2050

2100

2150





Calibration Report									
Database File:		xtoge3406.db							
Dataset Pathname:		pass1							
Dataset Creation:		Fri Jul 11 21:55:02 2008 by Log Open-Cased 071220							
Dual Induction Calibration Report									
Serial-Model:		20017-P							
Surface Cal Performed:		Mon Jul 07 18:03:18 2008							
Downhole Cal Performed:		Mon Jul 07 18:03:22 2008							
Surface Calibration									
Readings				References			Results		
Loop:	Air	Loop		Air	Loop		m	b	
Deep	0.013	0.673	V	0.000	500.000	mmho-m	758.245	-10.209	
Medium	-0.009	0.777	V	0.000	550.000	mmho-m	699.139	6.426	
Internal:	Zero	Cal		Zero	Cal		m	b	
Deep	0.014	0.674	V	0.000	500.000	mmho-m	758.497	-10.898	
Medium	-0.010	0.778	V	0.000	500.000	mmho-m	634.960	6.127	
Downhole Calibration									
Readings				References			Results		
Internal:	Zero	Cal		Zero	Cal		m	b	
Deep	0.245	500.171	mmho-m	0.685	500.518	mmho-m	1.000	0.440	
Medium	-0.427	550.627	mmho-m	-0.320	550.218	mmho-m	0.999	0.106	
Shallow	0.047	5.403	V	10.000	1000.000	Ohm-m	124.000	2.000	

# 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: Mon Jul 07 18:02:27 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	40.63		None	0.75	1.50	5.00
			NEU-PROBE (5108) Probe Epithermal	4.92	3.63	85.00

GR	35.10			GR-OH (2001) 2001	3.56	3.25	40.00
				CDL-T2 (2542) Gearhart	9.29	4.00	201.00
LSD	26.35			TEMP-CDLP (2542T) Probe Density/Temp	0.01	1.00	1.00
DCAL	26.14						
SSD	25.89						
TEMP	25.71						
CILD	16.29			DIL-P (20017) Pengo	24.63	4.00	300.00
SP	16.29						
CILM	12.54						
RLL3	3.21						
Dataset: xtoge3406.db: field/well/run1/pass1 Total Length: 43.16 ft Total Weight: 632.00 lb O.D. 4.00 in							