



BOREHOLE COMPENSATED SONIC LOG

Company	BEREXCO, LLC	
Well	HEATON #10	
Field	MEULLER	
County	STAFFORD	State KANSAS

Location: API #: 15-185-24044-00-00

1485' FSL & 2310' FWL
SEC 17 TWP 21S RGE 12W

Permanent Datum	GROUND LEVEL	Elevation	1863
Log Measured From	KELLY BUSHING		
Drilling Measured From	KELLY BUSHING		

Other Services
DIL/MEL
CNL/CDL

Elevation	
K.B.	1870'
D.F.	1869'
G.L.	1863'

Date	1/9/2019
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Run Number	TWO
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Type Log	BHCS
...	

Depth Logger	3699'
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Bottom Logged Interval	3688'
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Top Logged Interval	650'
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Type Fluid In Hole	CHEMICAL
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Salinity, PPM CL	6000
Depth, m	00

Density	9.2
ave	Ell

Level	100L
Max Bas Temp E	113 DEG/

Operating Bid Time	3 1/2 HOURS
IMDA: 100: 1 Comp: 1	110 DEC

Equipment --	Location
108	H4

Recorded By	J. HENRICKS
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Witnessed By	JERRY SM
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Borehole Record

Run No.	Bit	From	To
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ONE	12.25"	0	682'
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TWO	7.875"	682'	TD
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All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not 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.

Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.

GREAT BEND KANSAS
SOUTH TO COUNTY LINE, SOUTH TO 180TH, 4 1/4 EAST
NORTH AND EAST INTO

Log Measured From: KELLY BUSHING 7 Ft. Above Permanent Datum

THANK YOU FOR USING PIONEER ENERGY SERVICES
www.pioneerenergy.com 785-625-3858

Your Pioneer Energy Services Crew

Engineer: J. HENRICKSON
Operator:
Operator:
Operator:

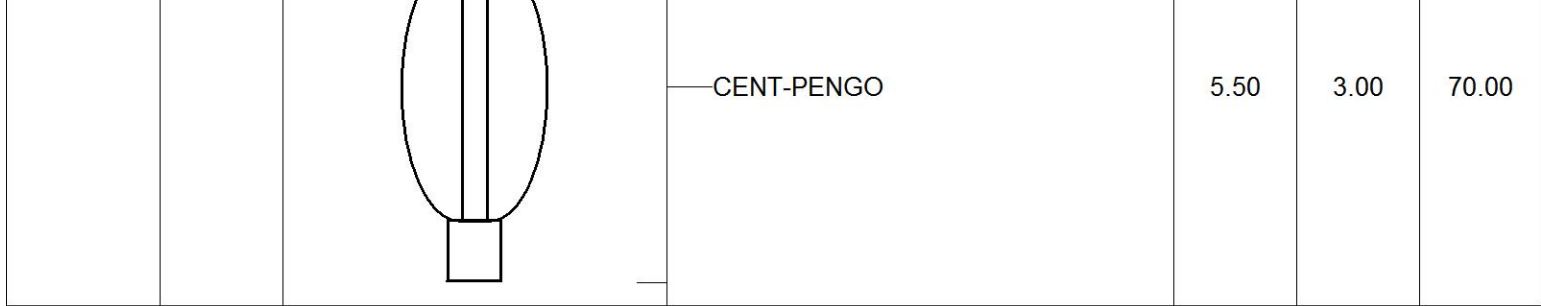
This Log Record Was Witnessed By

Primary Witness: JERRY SMITH
Secondary Witness:
Secondary Witness:
Secondary Witness:

Top - Bottom

A	BOREID	BOTTEMP	CASEOD	CASETHCK	FLUIDDEN	M	MATRXDEN
1	in 7.875	degF 113	in 5.5	in 0	g/cc 1	2	g/cc 2.71
NPORSEL	PERFS	SNDERR	SNDERRM	SPSHIFT	SRFTEMP	SZCOR	TDEPTH
Limestone	0	mmho/m 0	mmho/m 0	mV 130	degF 32	Off	ft 3699

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
MCAL MI MN	22.50		ML-Armadillo (Armadillo-1) Pengo micro log tool mandrel with Armadillo Electronics	5.00	3.50	100.00
	22.50					
	22.50					
WVF4 WVF1	13.50 13.50		SLT-PENGO (0001)	16.00	3.50	300.00
WVF3 WVF2	11.50 11.50					



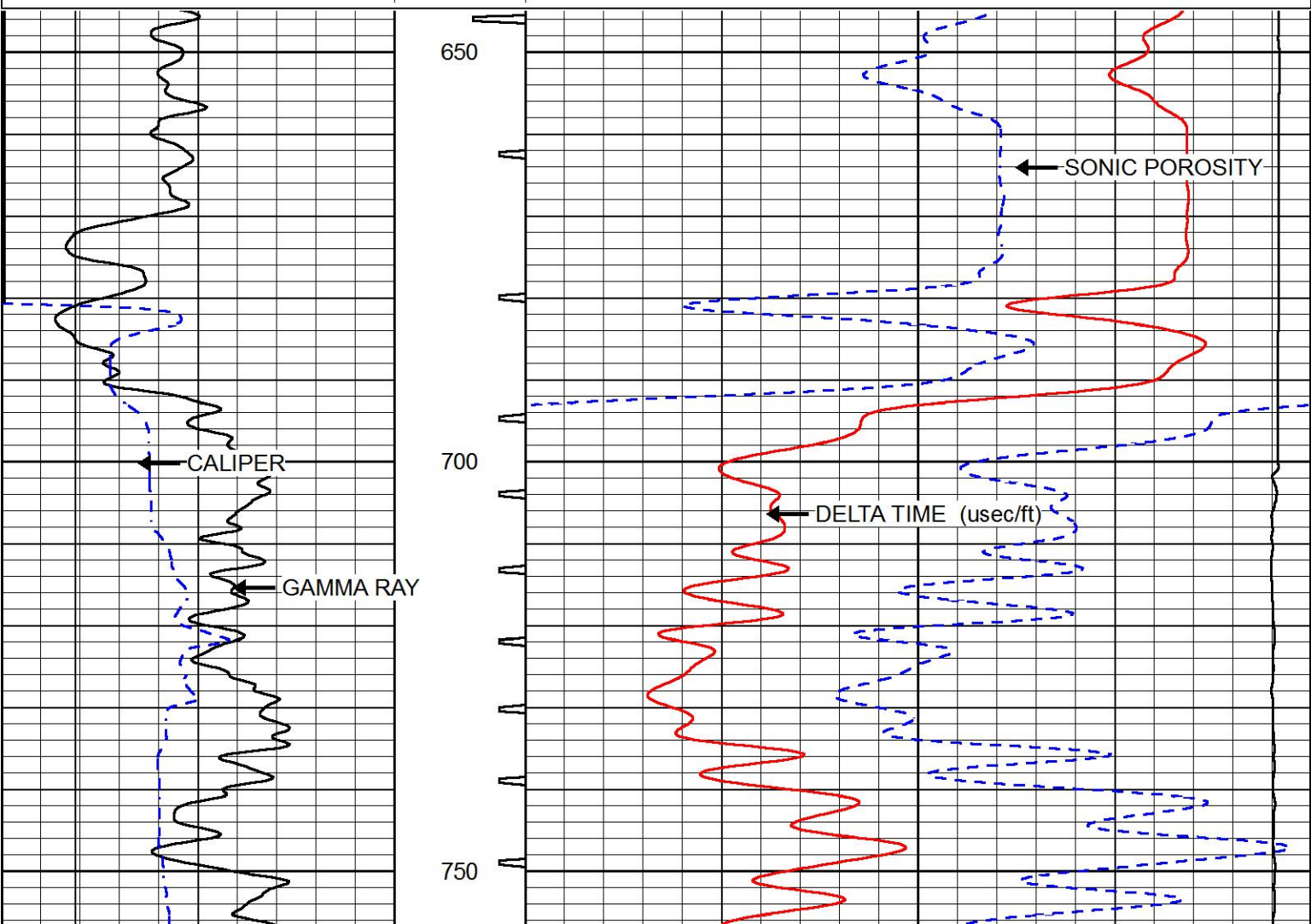
Dataset: berexco_heaton_10.db: field/well/SONMEL/pass2
Total length: 26.50 ft
Total weight: 470.00 lb
O.D.: 3.50 in

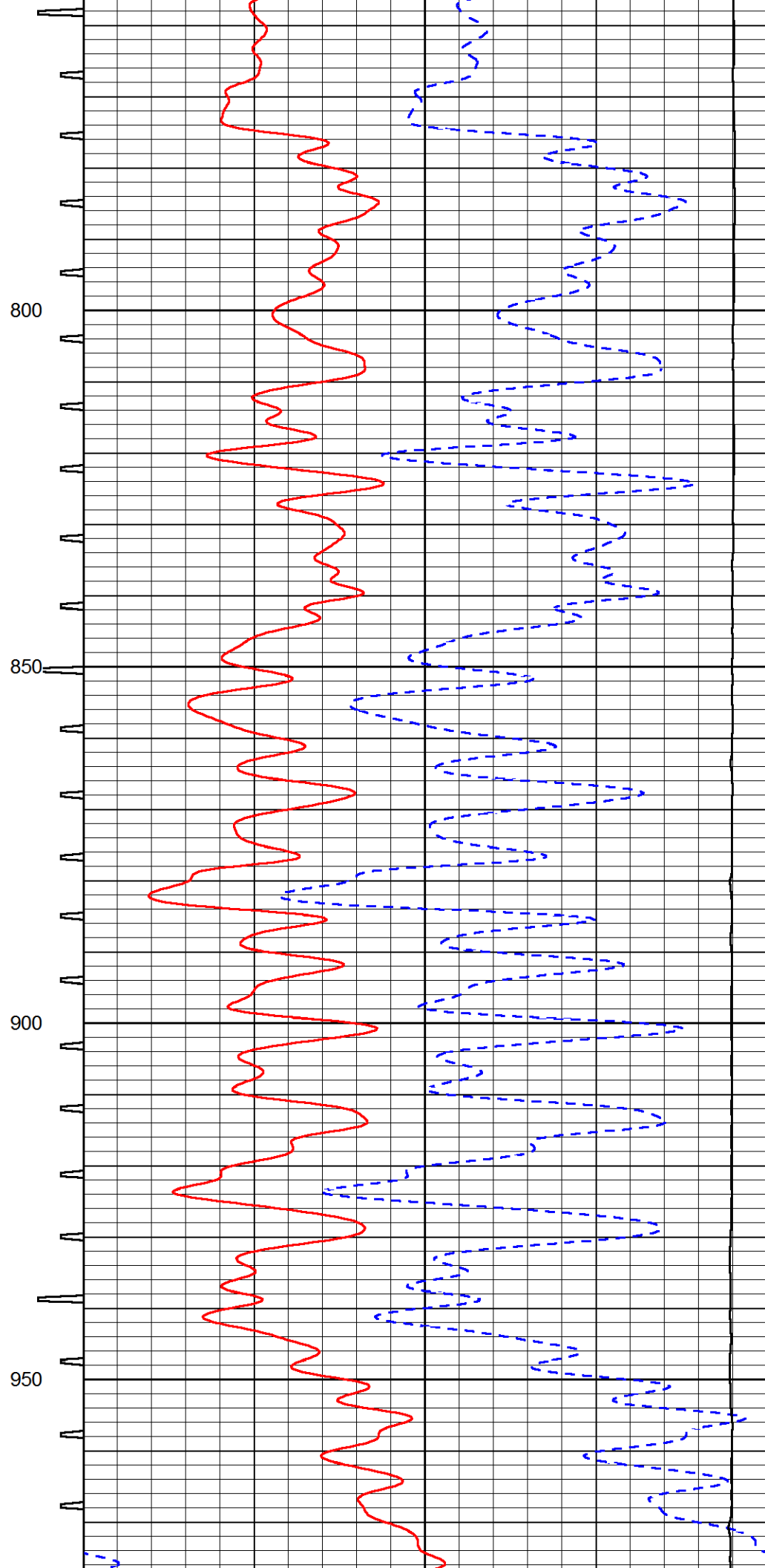
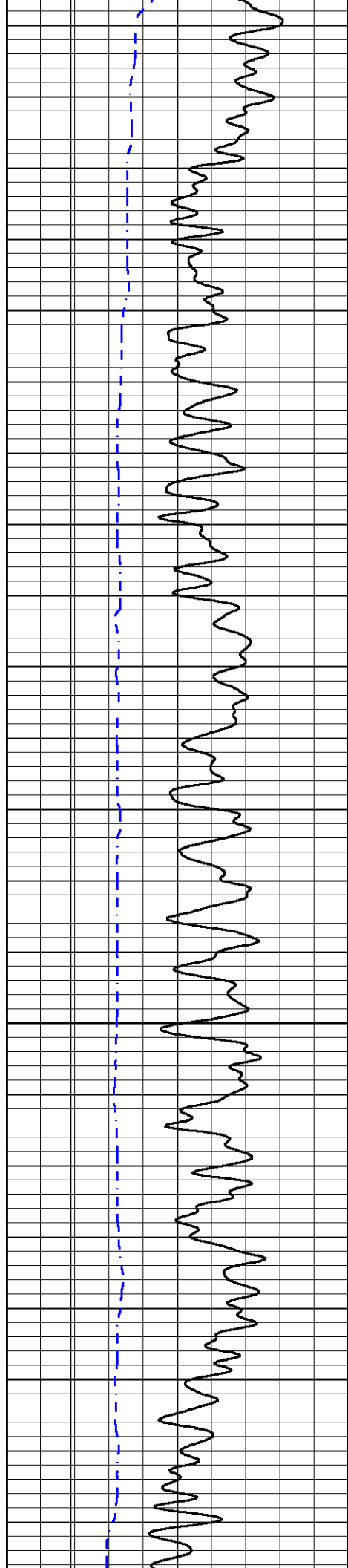


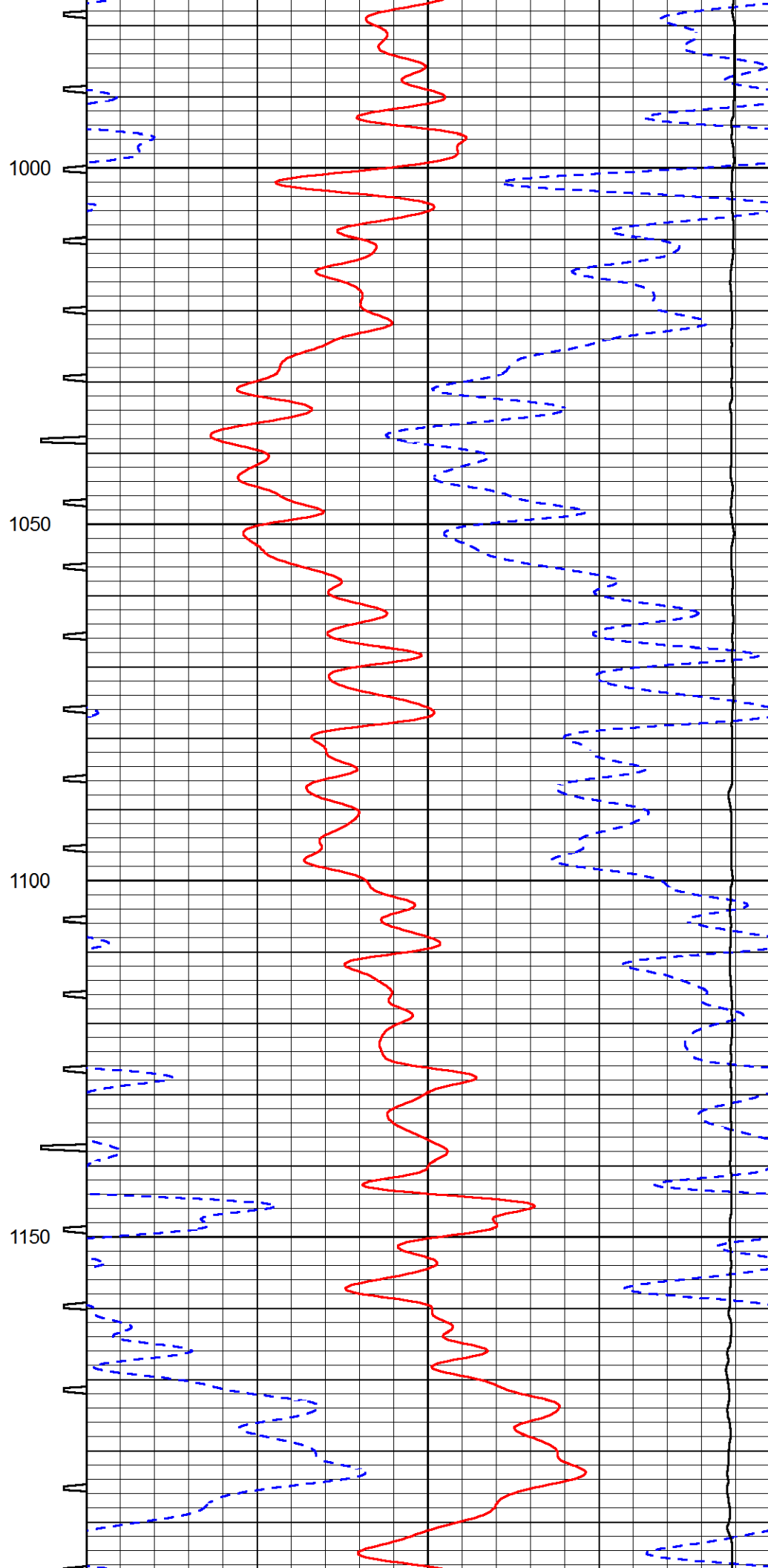
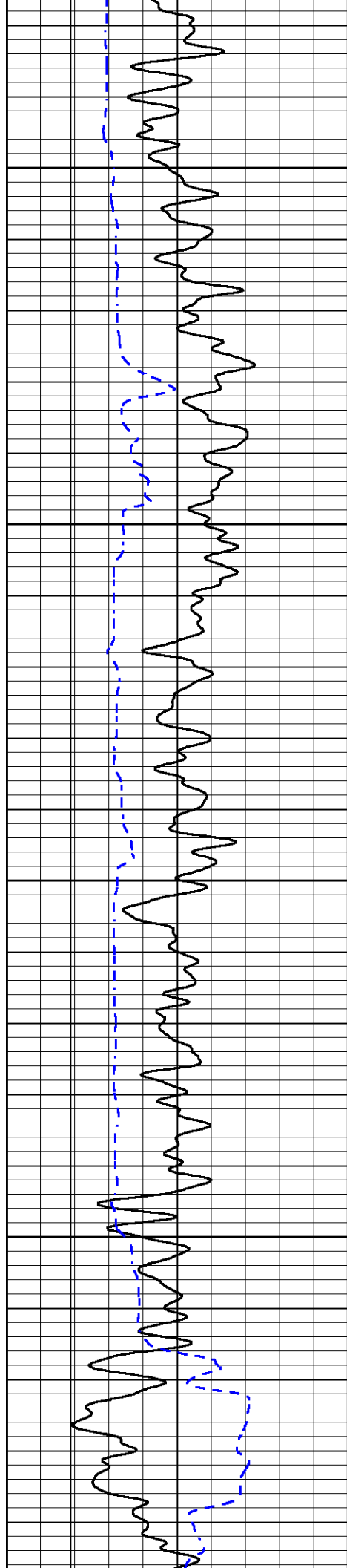
MAIN PASS

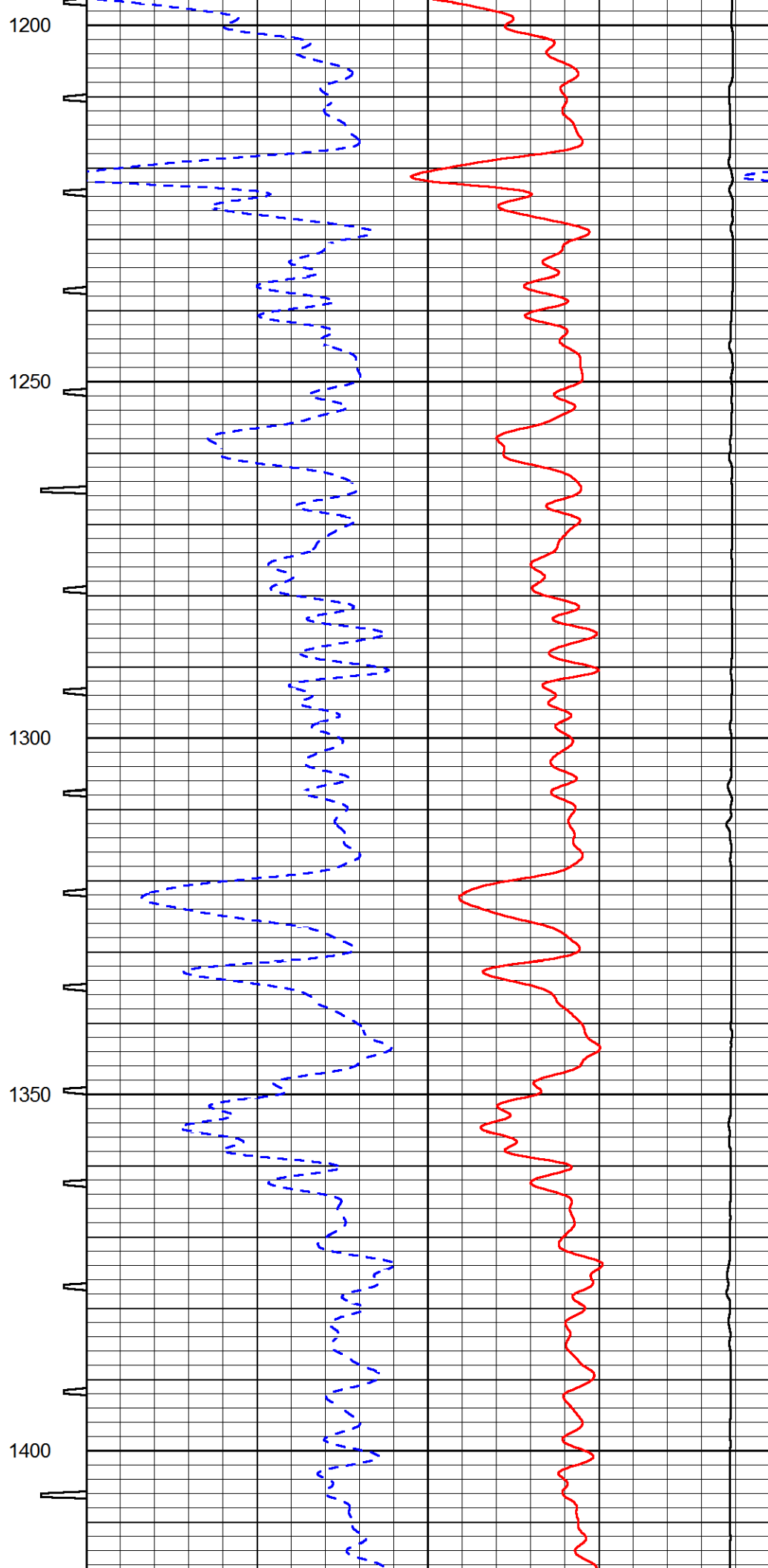
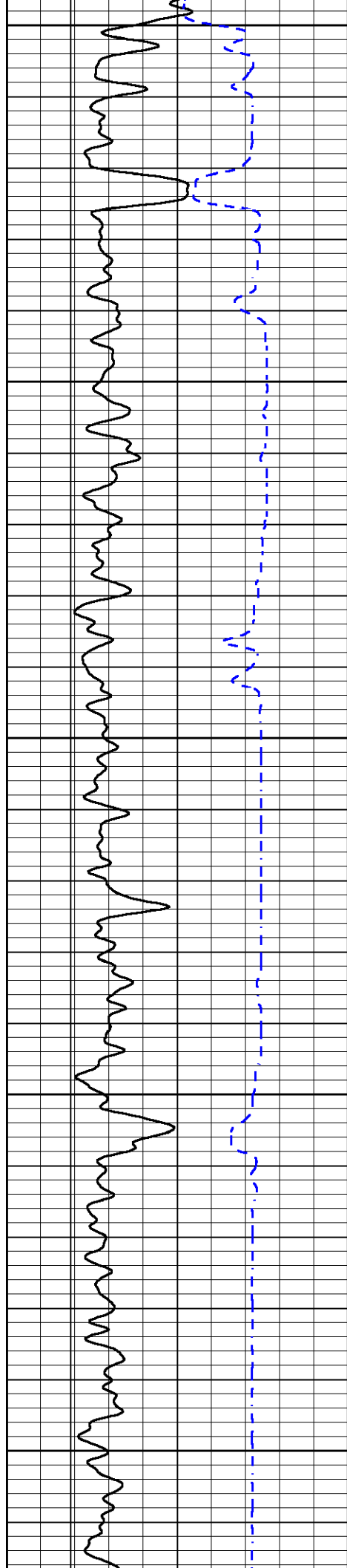
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Dataset Pathname	stack/pass3.1
Presentation Format	sonic
Dataset Creation	Wed Jan 09 23:00:01 2019
Charted by	Depth in Feet scaled 1:240

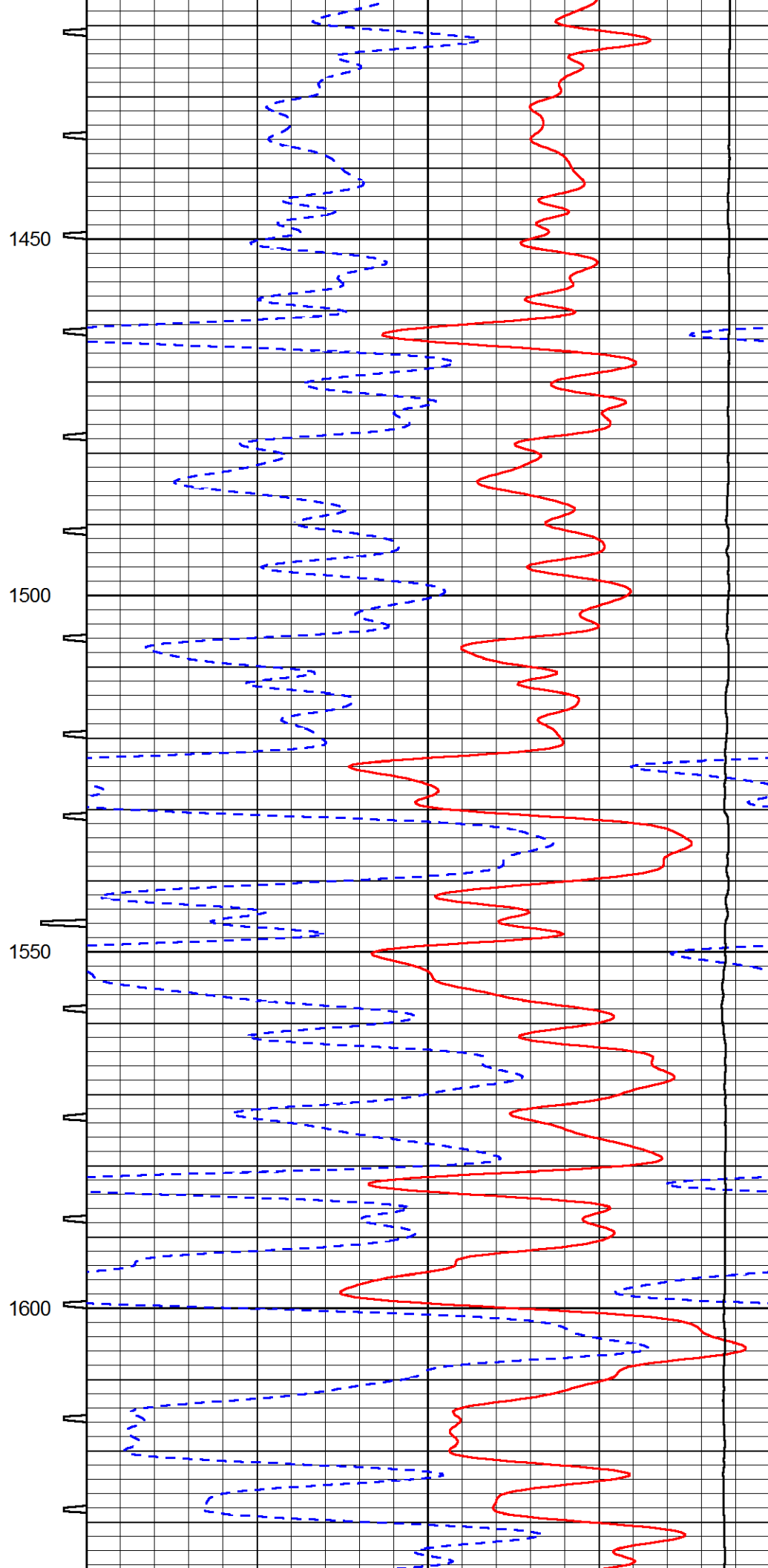
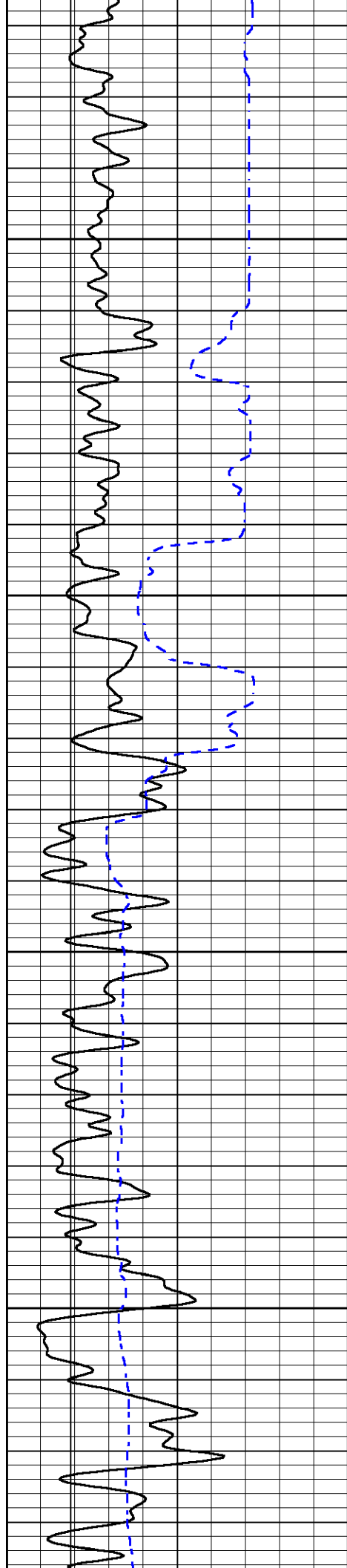
0	GAMMA RAY (GAPI)	150	SONIC INT	140	DELTA TIME (usec/ft) (usec/ft)	40
6	CALIPER (in)	16	TRAVEL TIME	30	SONIC POROSITY (pu)	-10
6	BIT SIZE	16	(msec)	15000	LINE TENSION (lb)	0

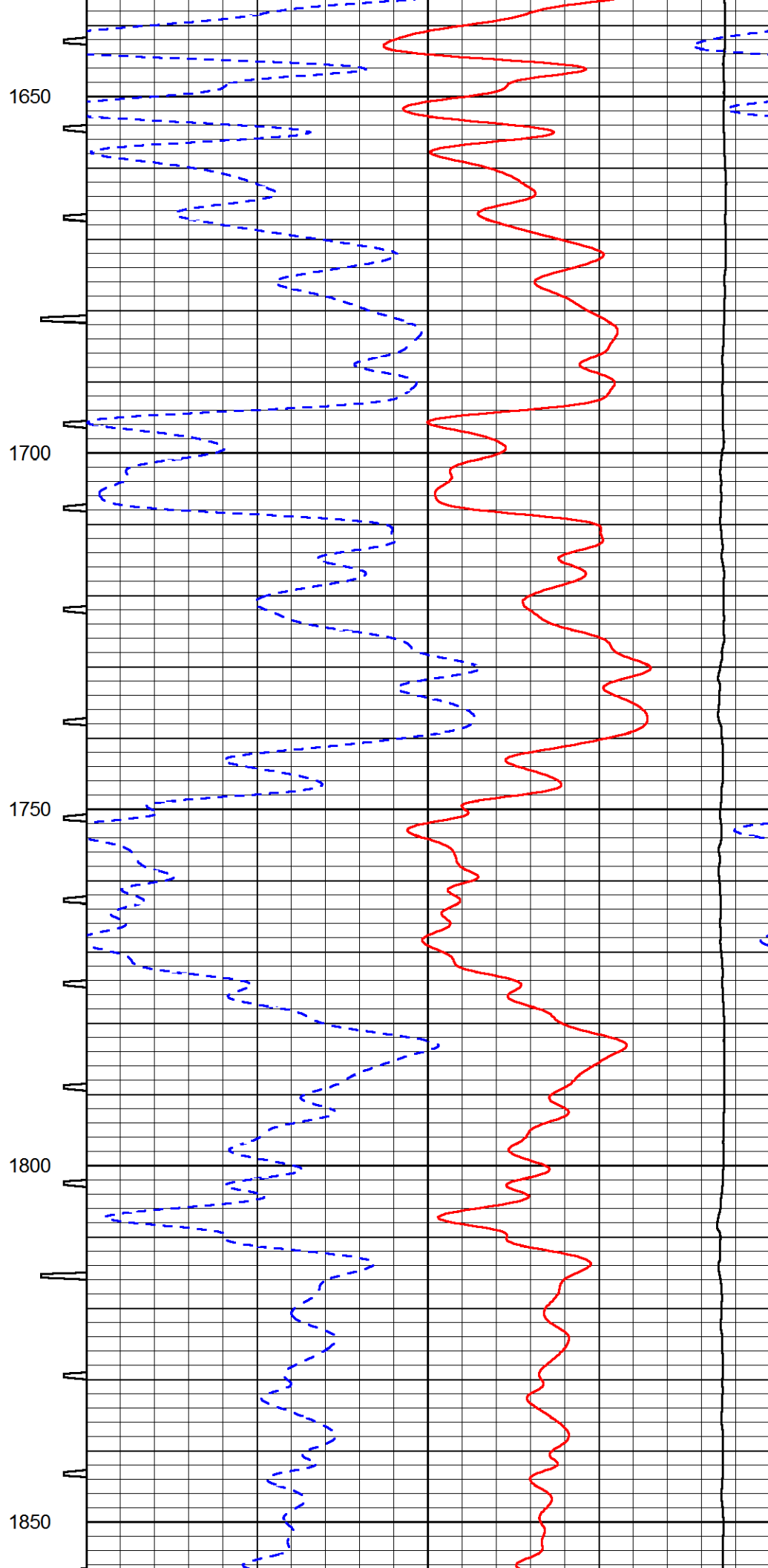
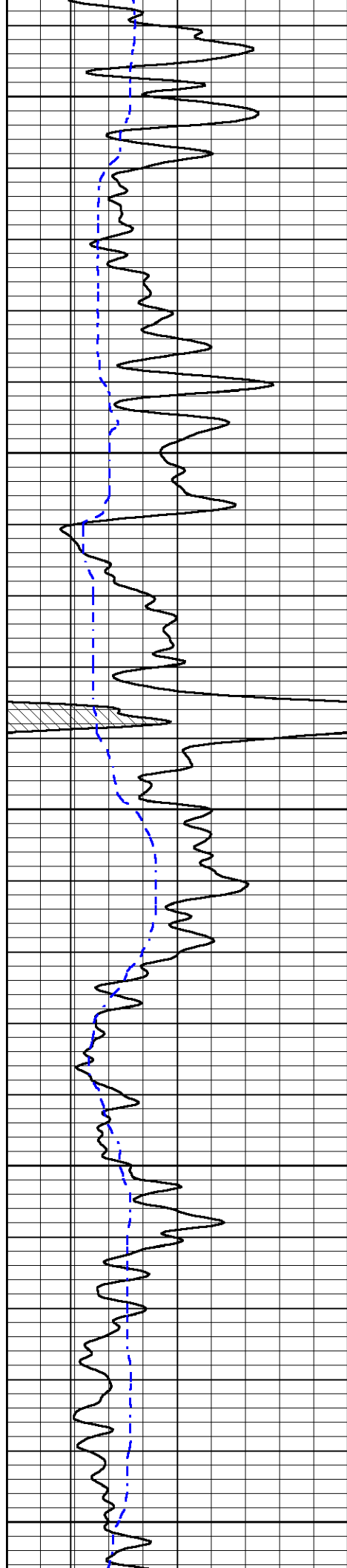


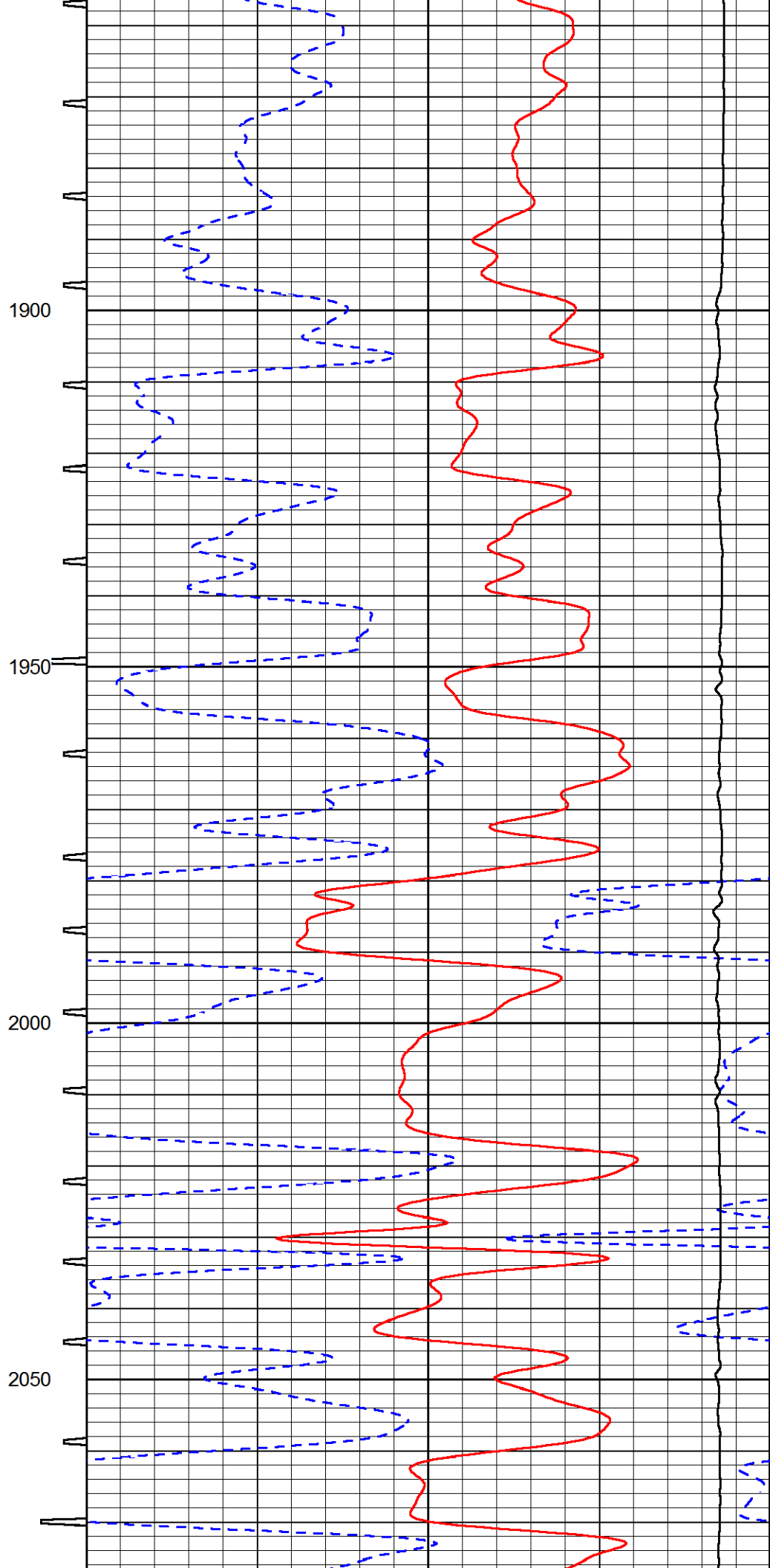
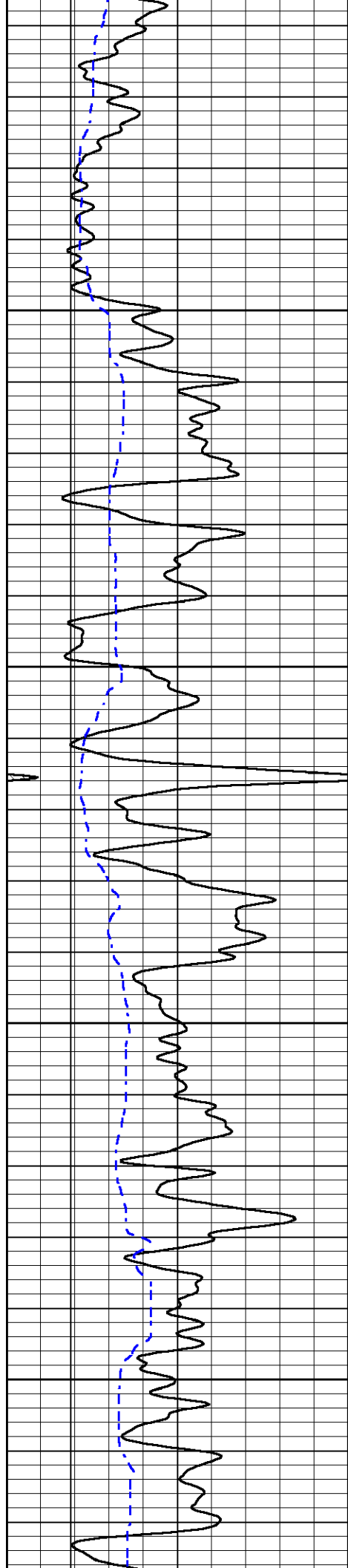


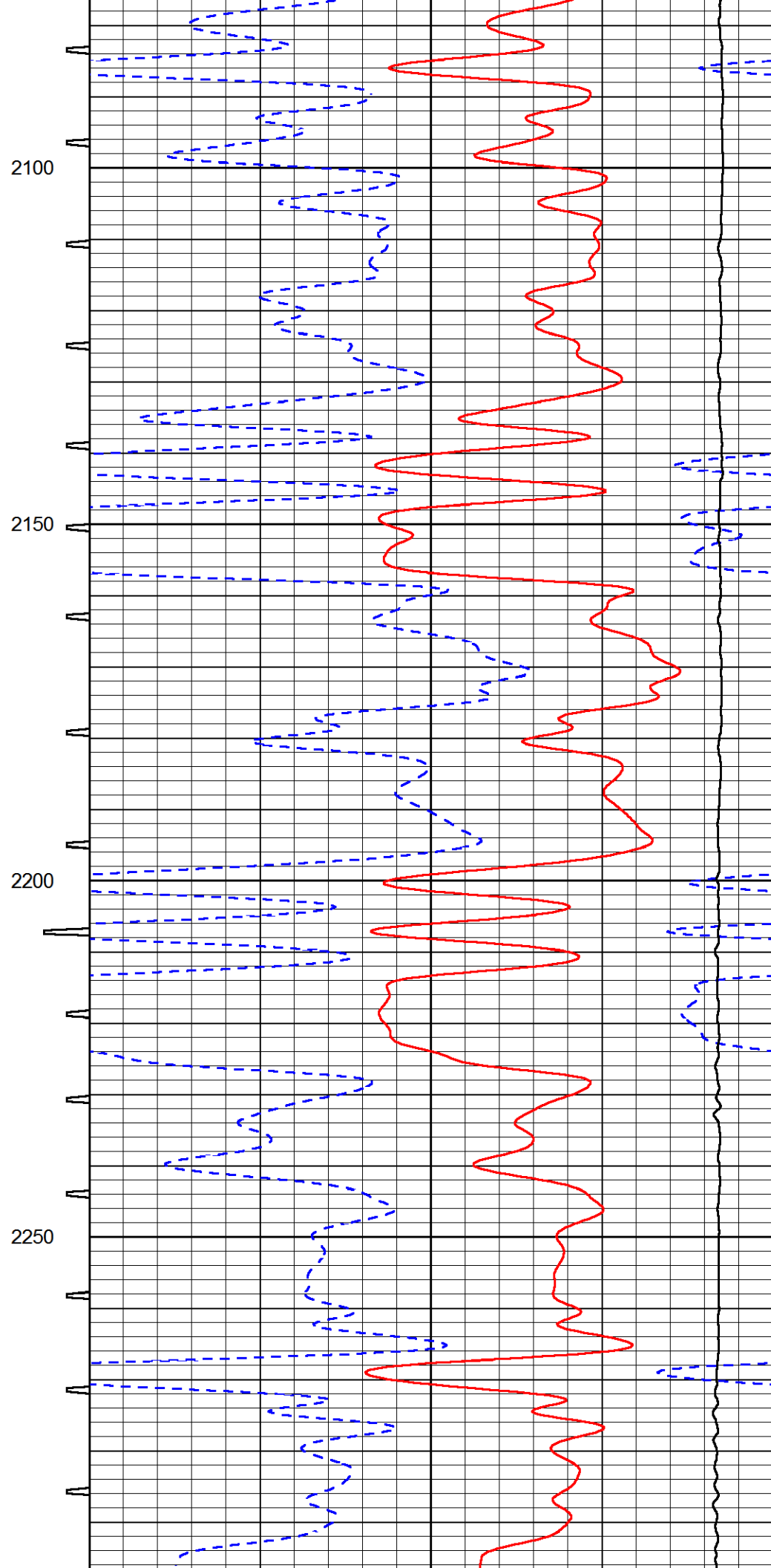
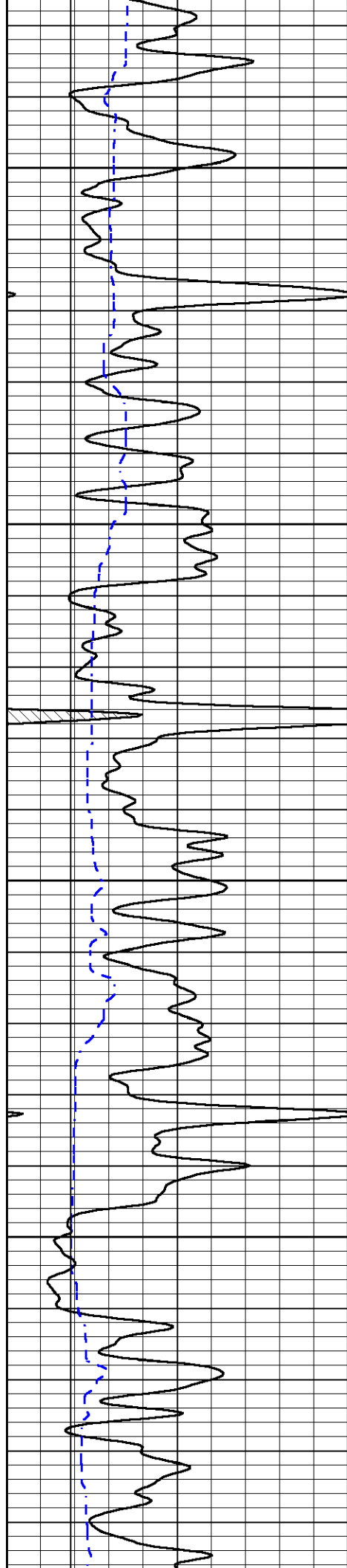


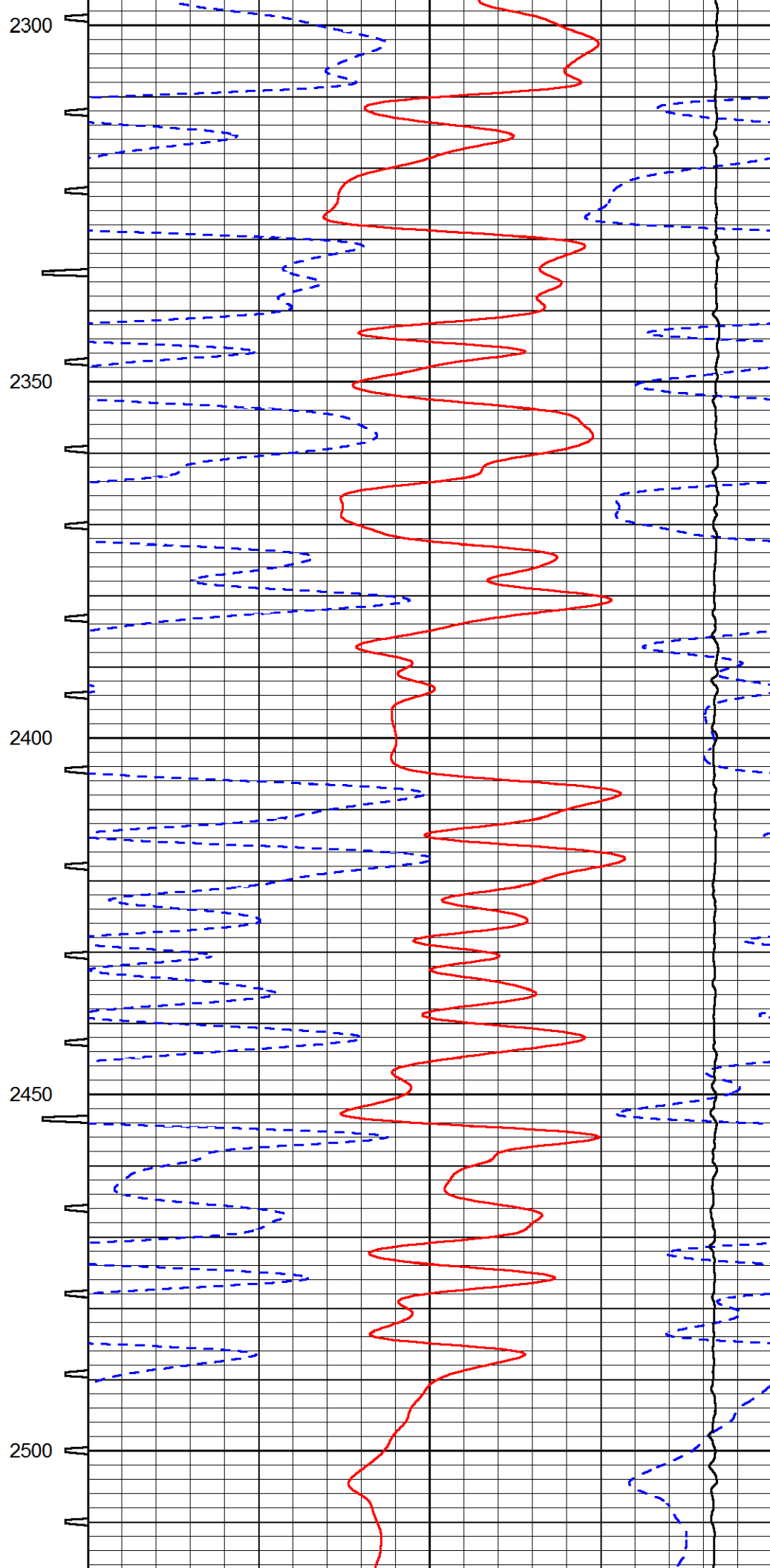
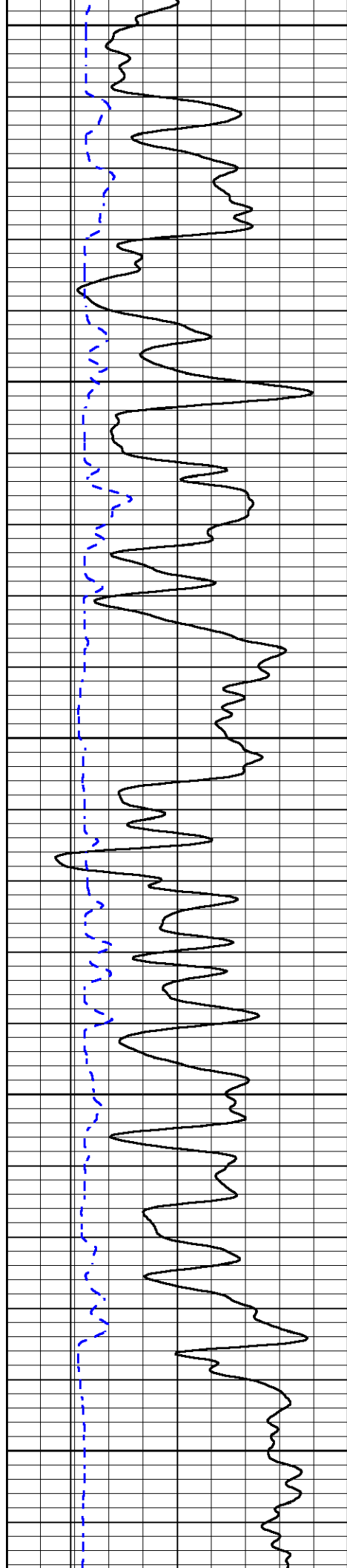


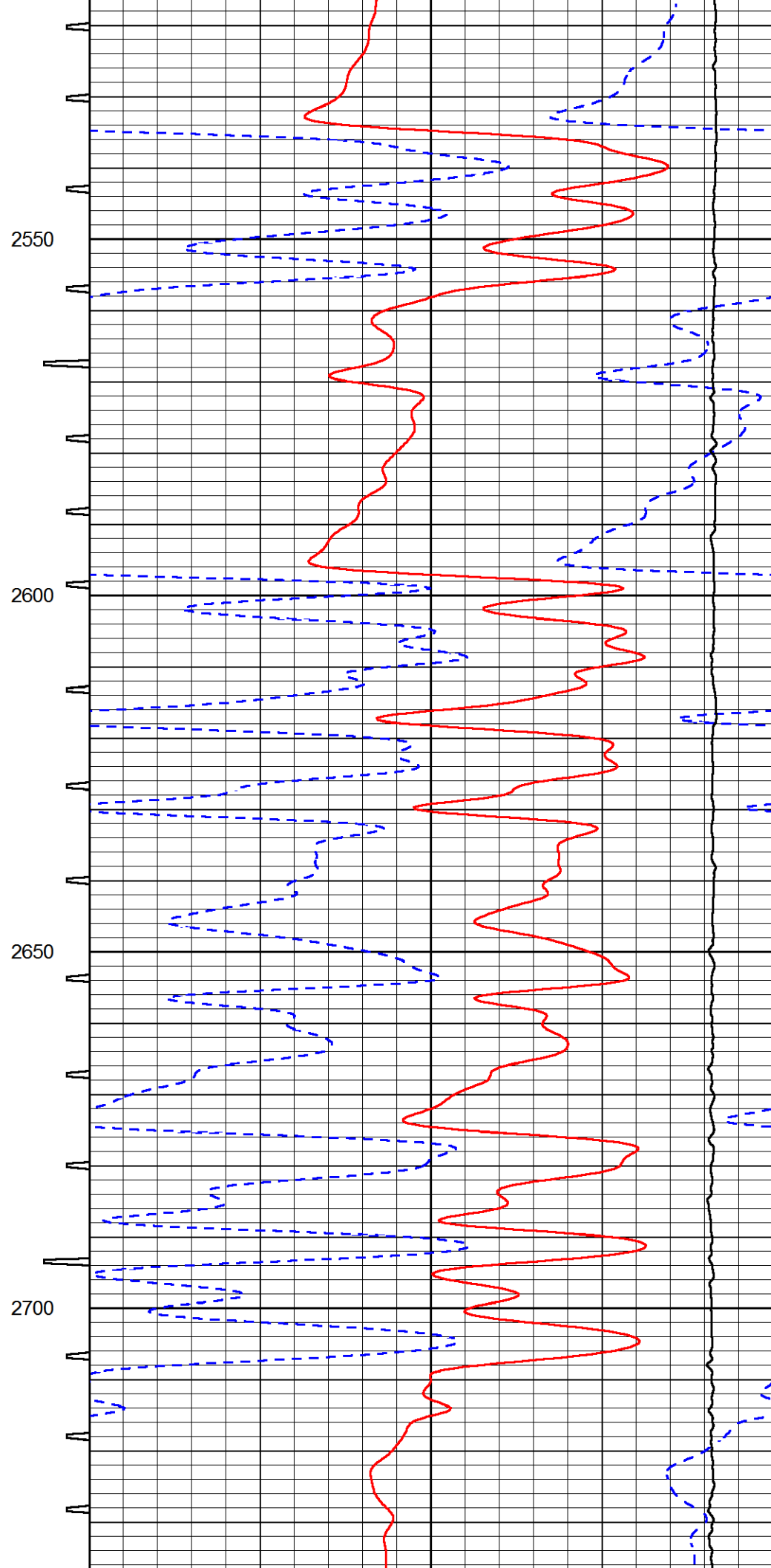
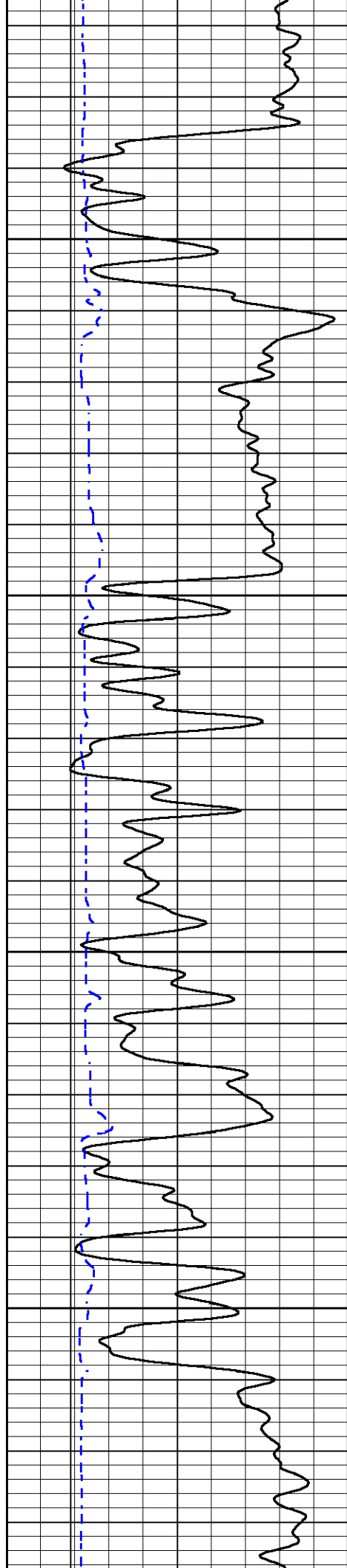


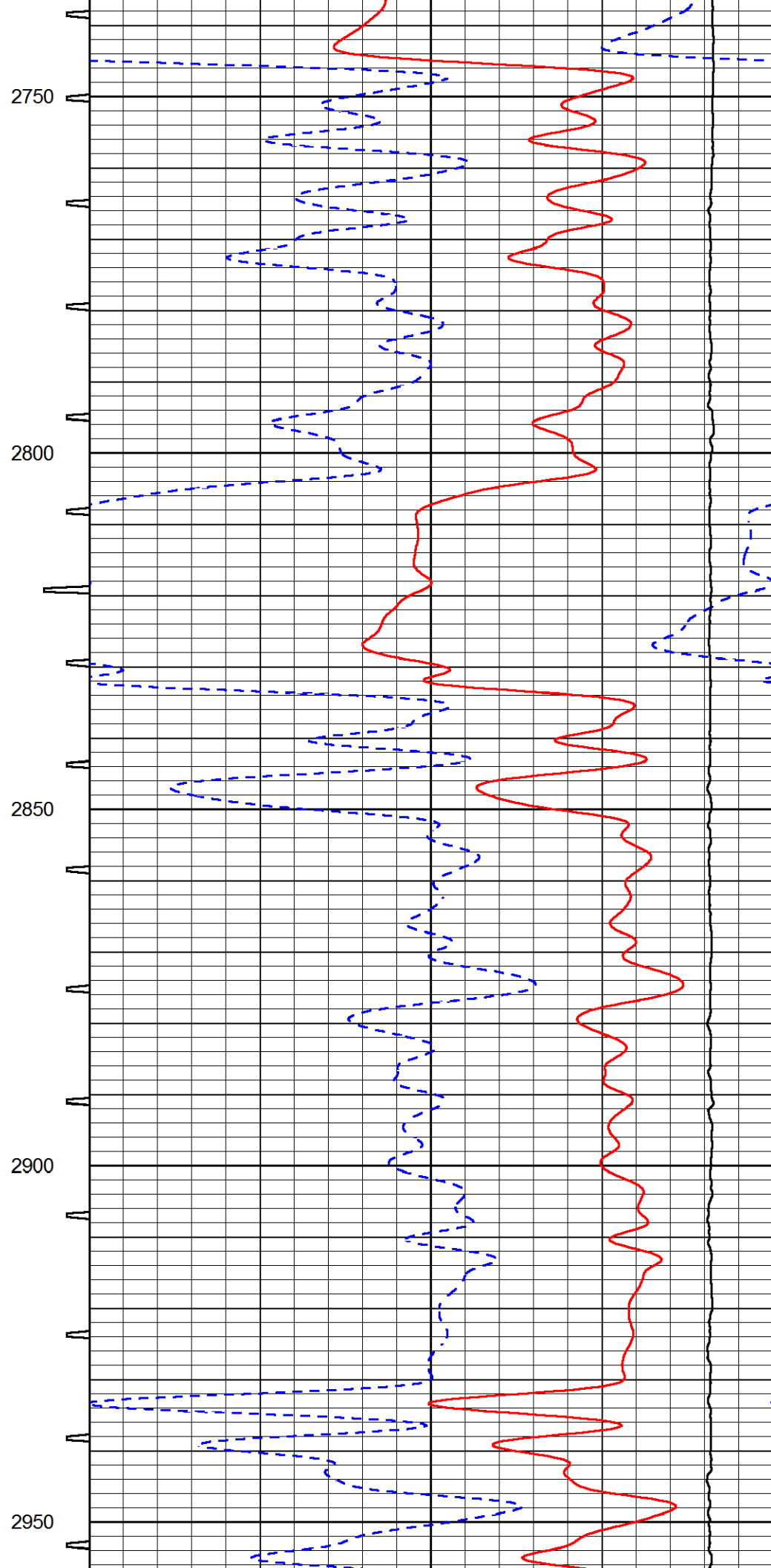
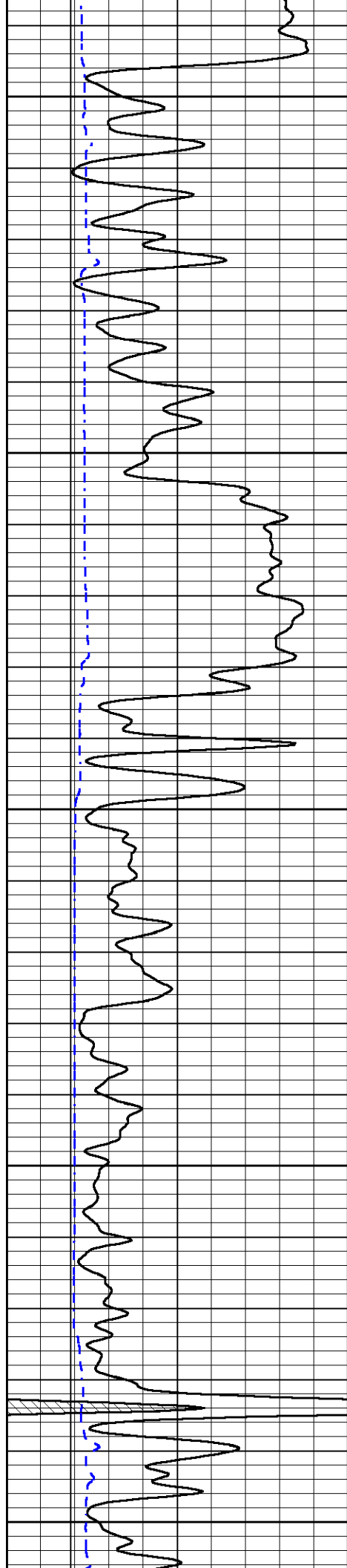


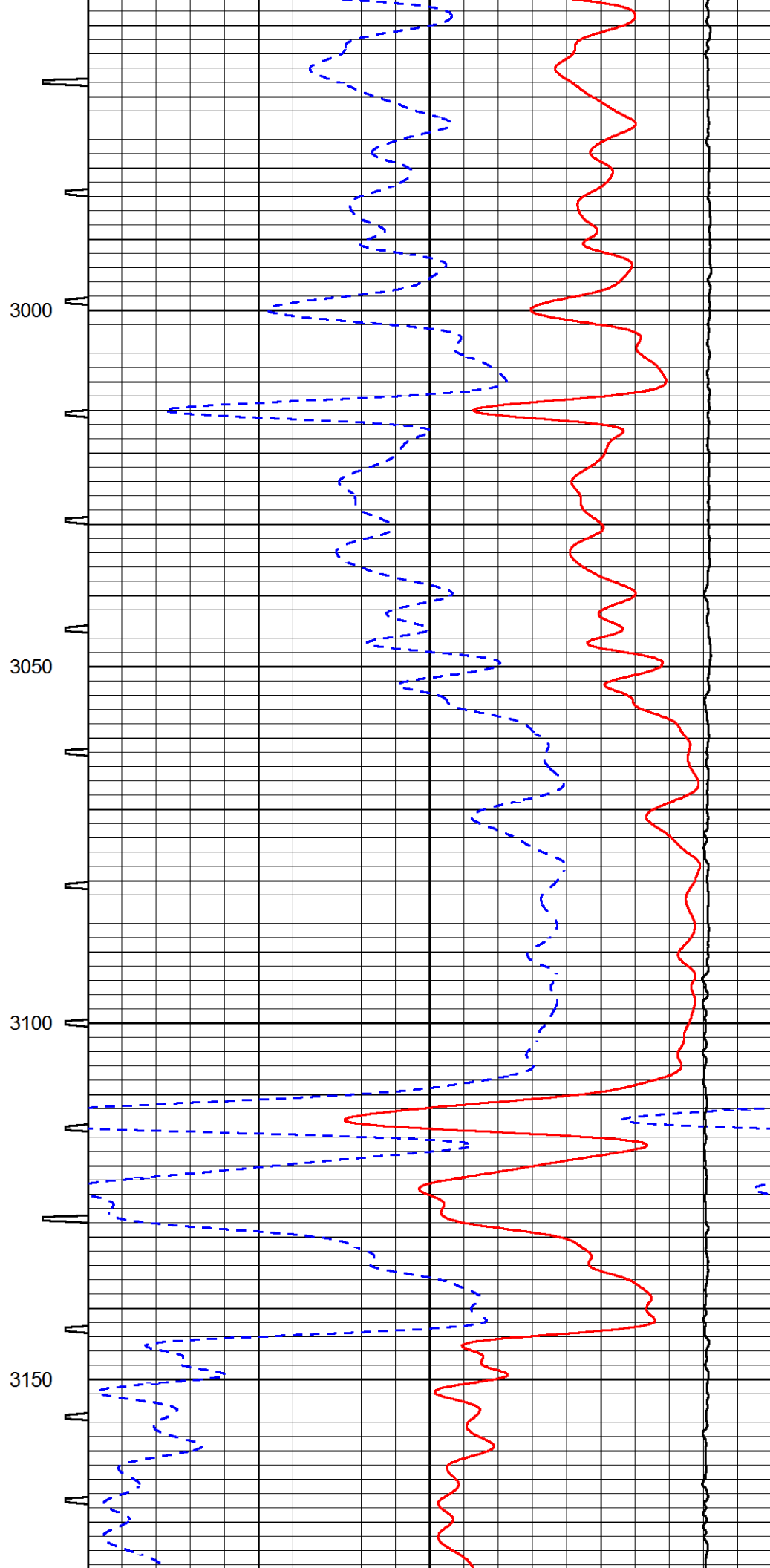
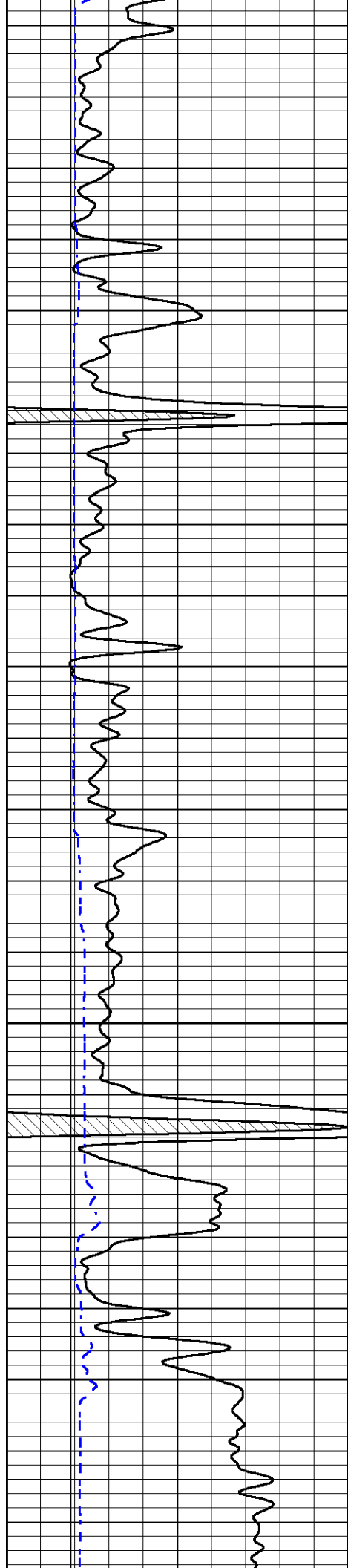


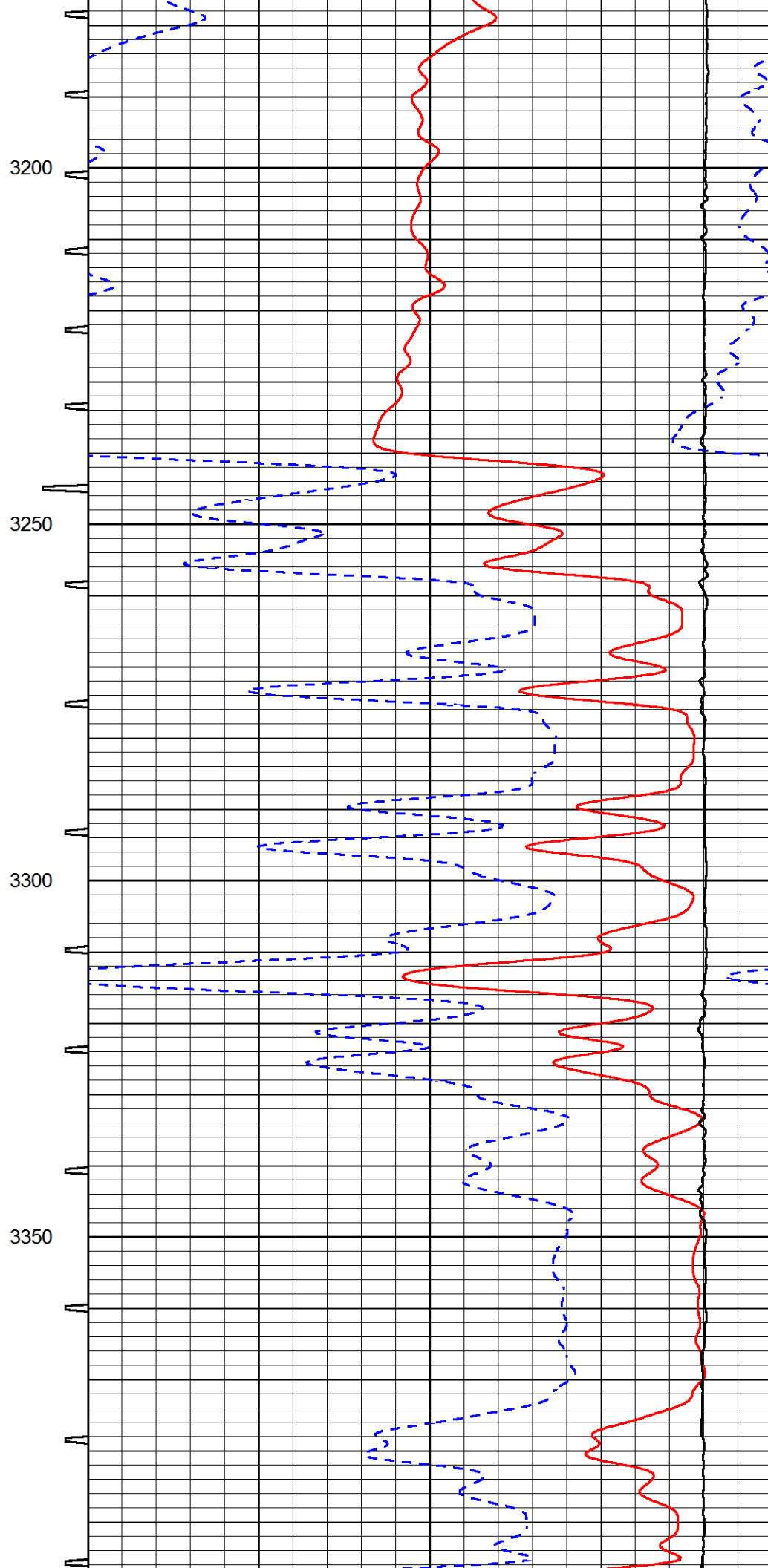
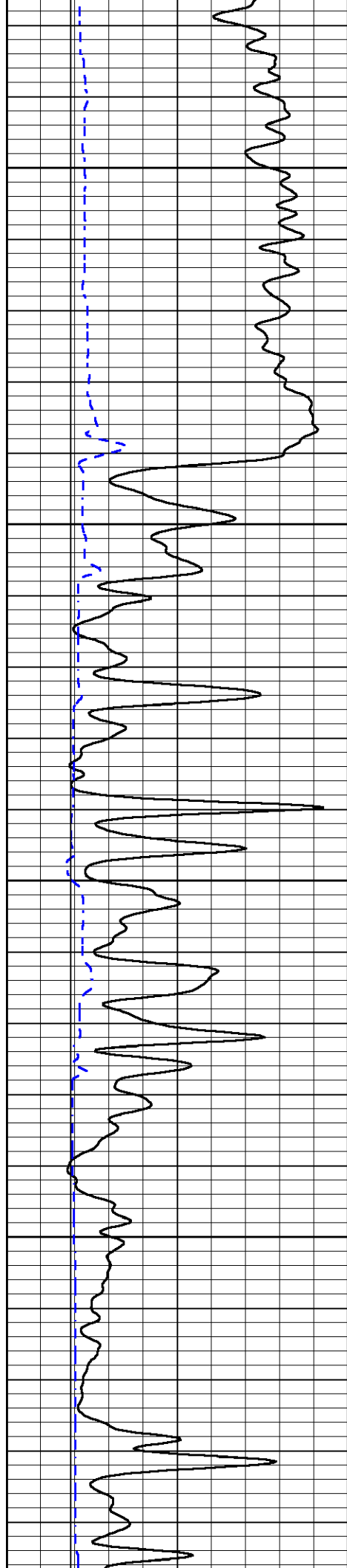


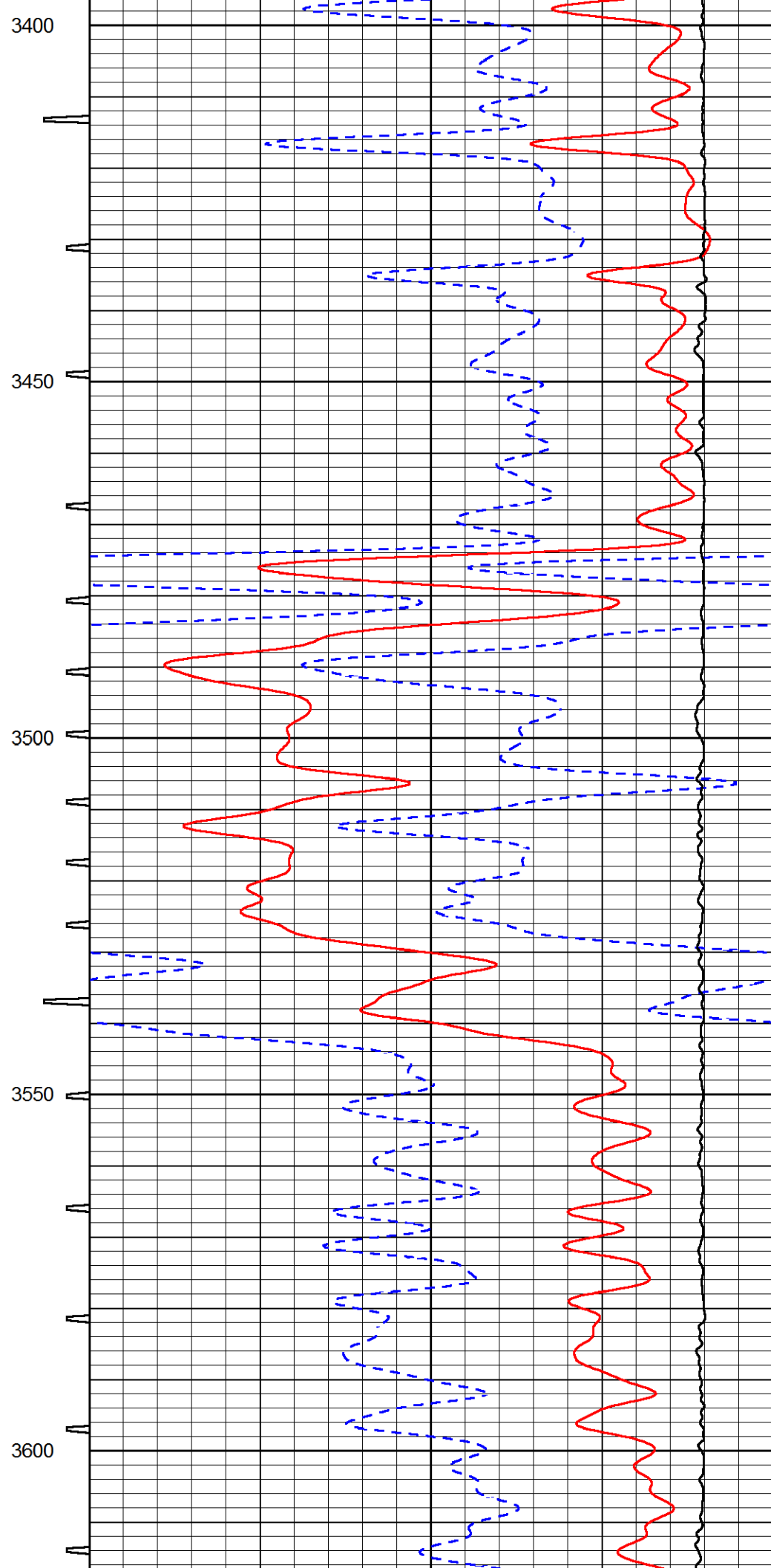
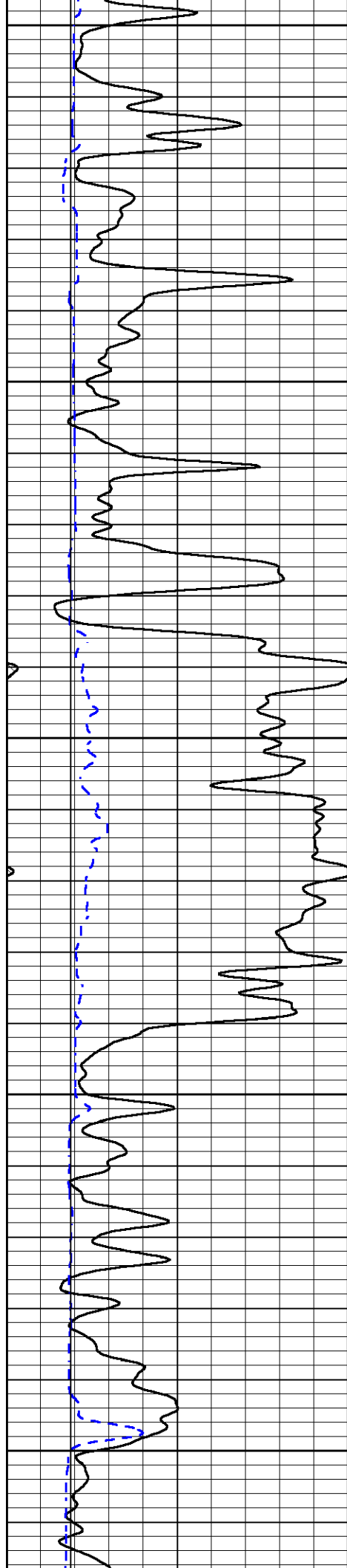


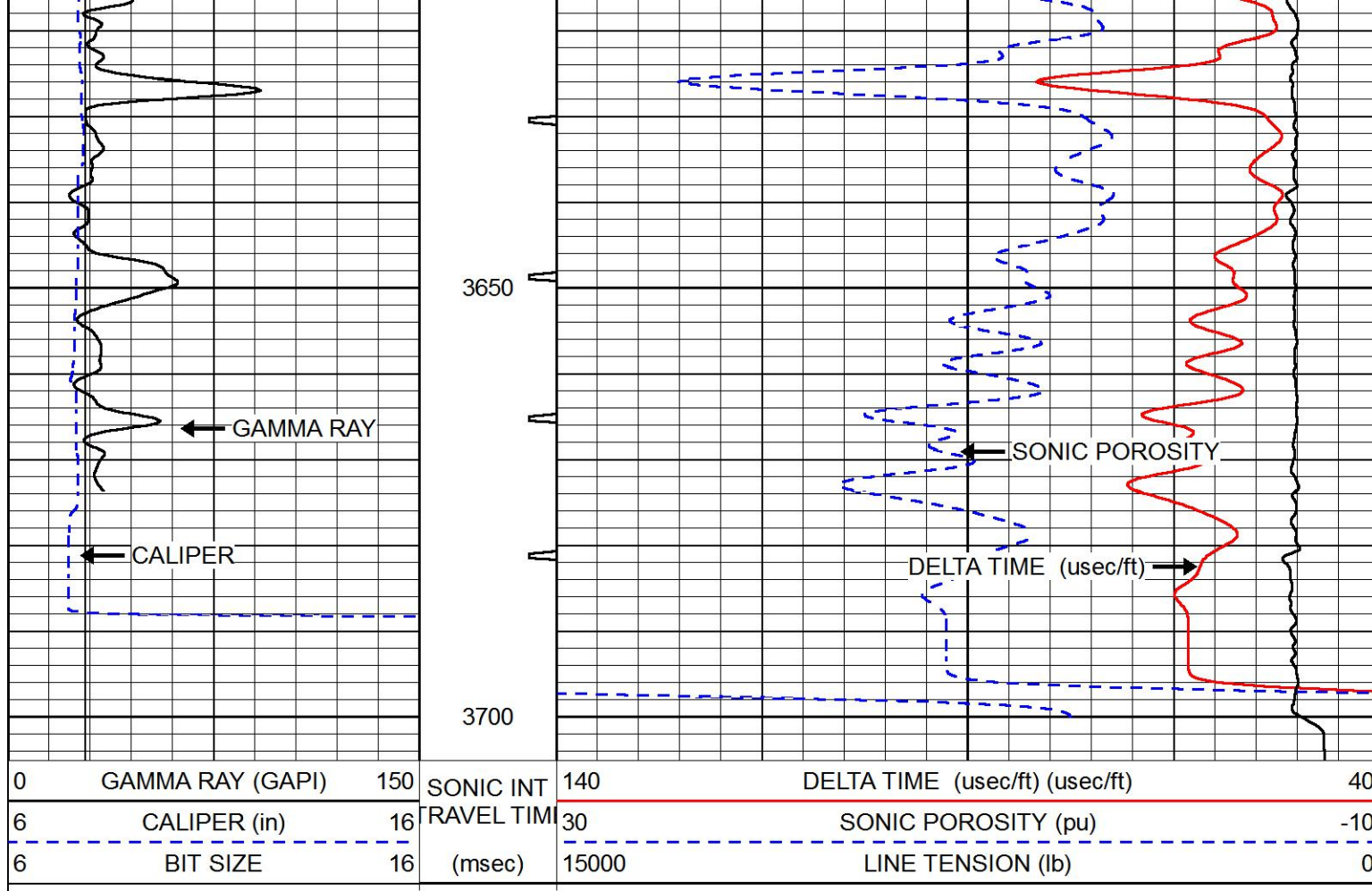








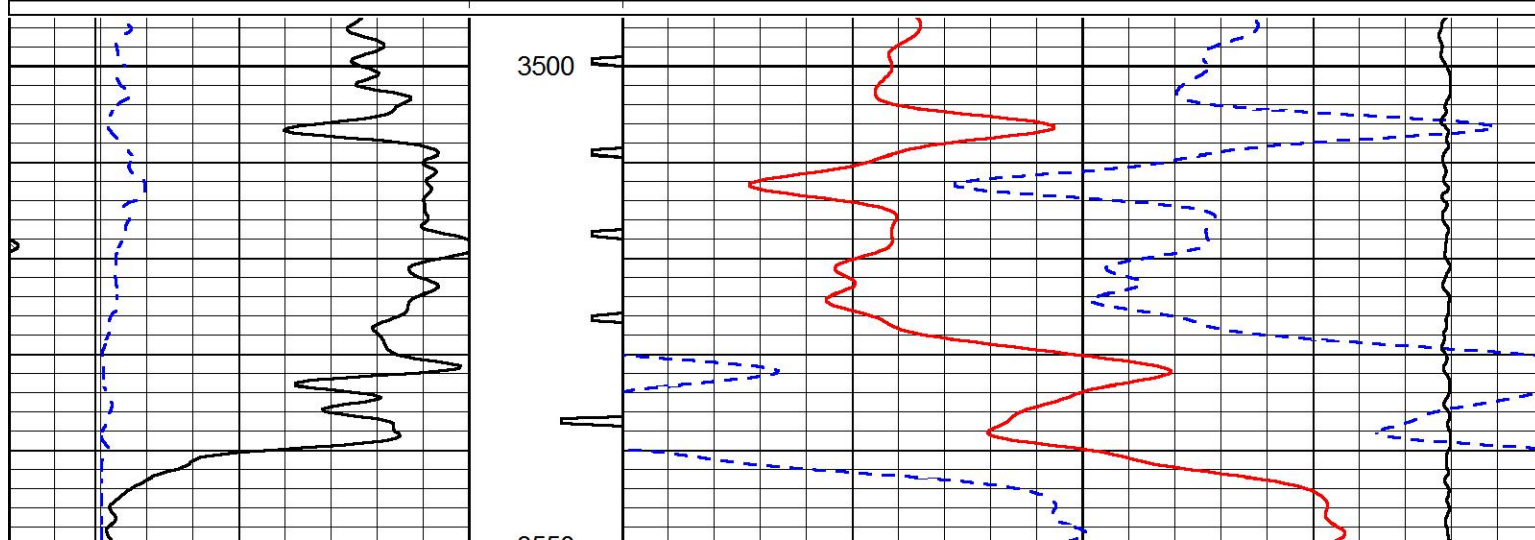


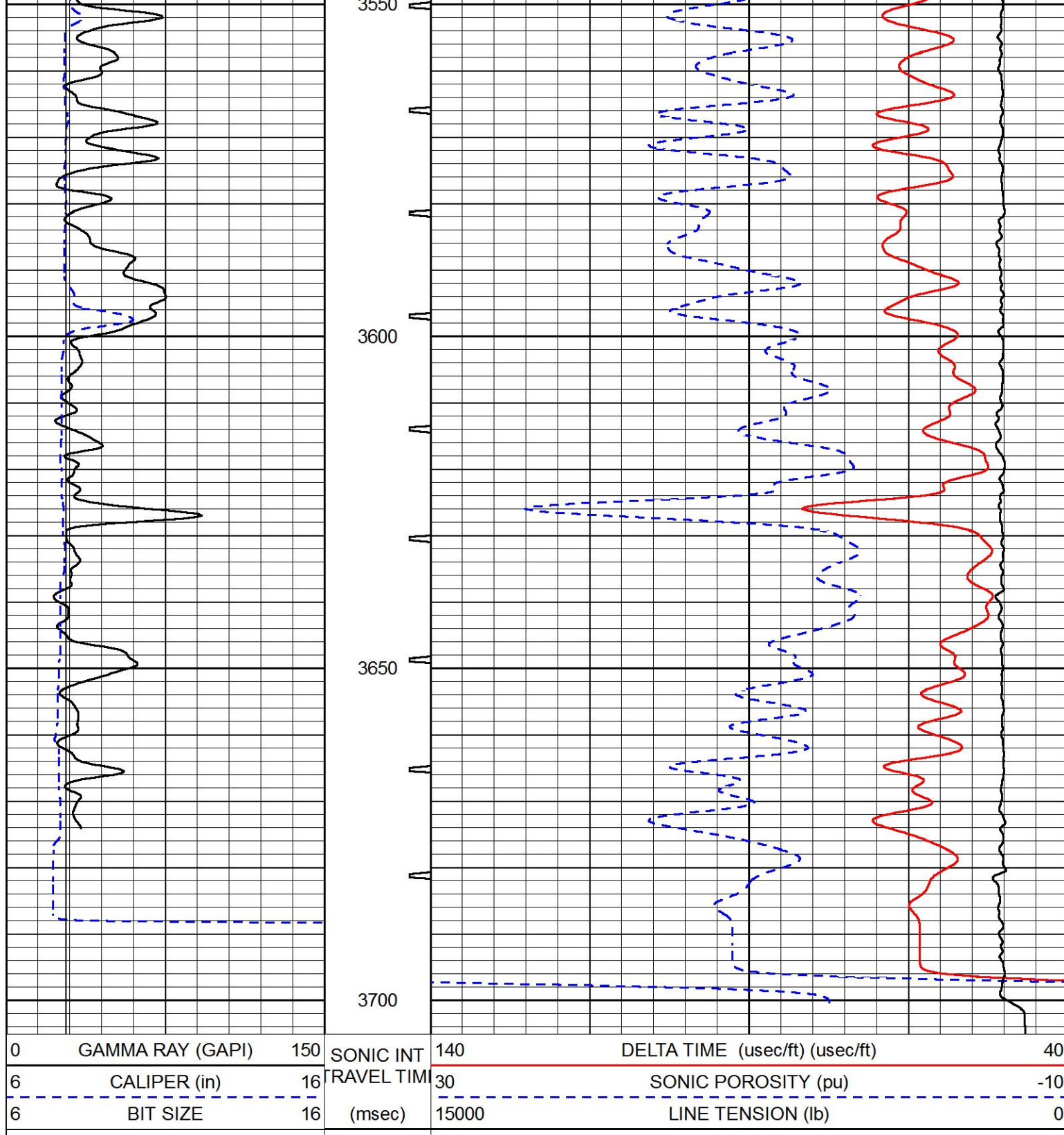


REPEAT SECTION

Database File	berexco_heaton_10.db
Dataset Pathname	stack/pass2.1
Presentation Format	sonic
Dataset Creation	Wed Jan 09 23:00:18 2019
Charted by	Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	SONIC INT	140	DELTA TIME (usec/ft) (usec/ft)	40
6	CALIPER (in)	16	TRAVEL TIME	30	SONIC POROSITY (pu)	-10
6	BIT SIZE	16	(msec)	15000	LINE TENSION (lb)	0







PIONEER
Pioneer Energy Services

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Field	MEULLER
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