



**BOREHOLE COMPENSATED
SONIC LOG**

Pioneer Energy Services

Company SUEMAUR EXPLOR. & PROD., LLC
Well CAMPBELL NO. 1
Field WILDCAT
County SHERIDAN
State KANSAS

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County SHERIDAN State KANSAS

Location: API #: 15-179-21,413-00-00
1,448' FSL & 546' FWL
SEC 3 TWP 7S RGE 28W
Permanent Datum GROUND LEVEL Elevation 2767'
Log Measured From KELLY BUSHING
Drilling Measured From KELLY BUSHING
Other Services
CNL/CDL
DIL/MEL
Elevation
K.B. 2772'
D.F. N/A
G.L. 2767'

Date	12/7/2015						
Run Number	TWO						
Type Log	BHCS						
Depth Driller	4510'						
Depth Logger	4511'						
Bottom Logged Interval	4500'						
Top Logged Interval	300'						
Type Fluid In Hole	CHEMICAL						
Salinity, PPM CL	1800						
Density	9.3						
Level	FULL						
Max. Rec. Temp. F	121 DEG F						
Operating Rig Time	5 HOURS						
Equipment -- Location	108 Hays						
Recorded By	J. LONG						
Witnessed By	BOB PETERSEN						
Borehole Record							
Run No.	Bit	From	To	Size	Wgt.	From	To
ONE	12.25	00	333	8.625	23#	00	333
TWO	7.875	333	TD				
Casing Record							

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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.
HOXIE, 8 NORTH TO ROAD 80 N, 1/8 EAST,
NORTH INTO (FOLLOW EDGE OF FIELD WEST AND NORTH)

Log Measured From: KELLY BUSHING 5 Ft. Above Permanent Datum

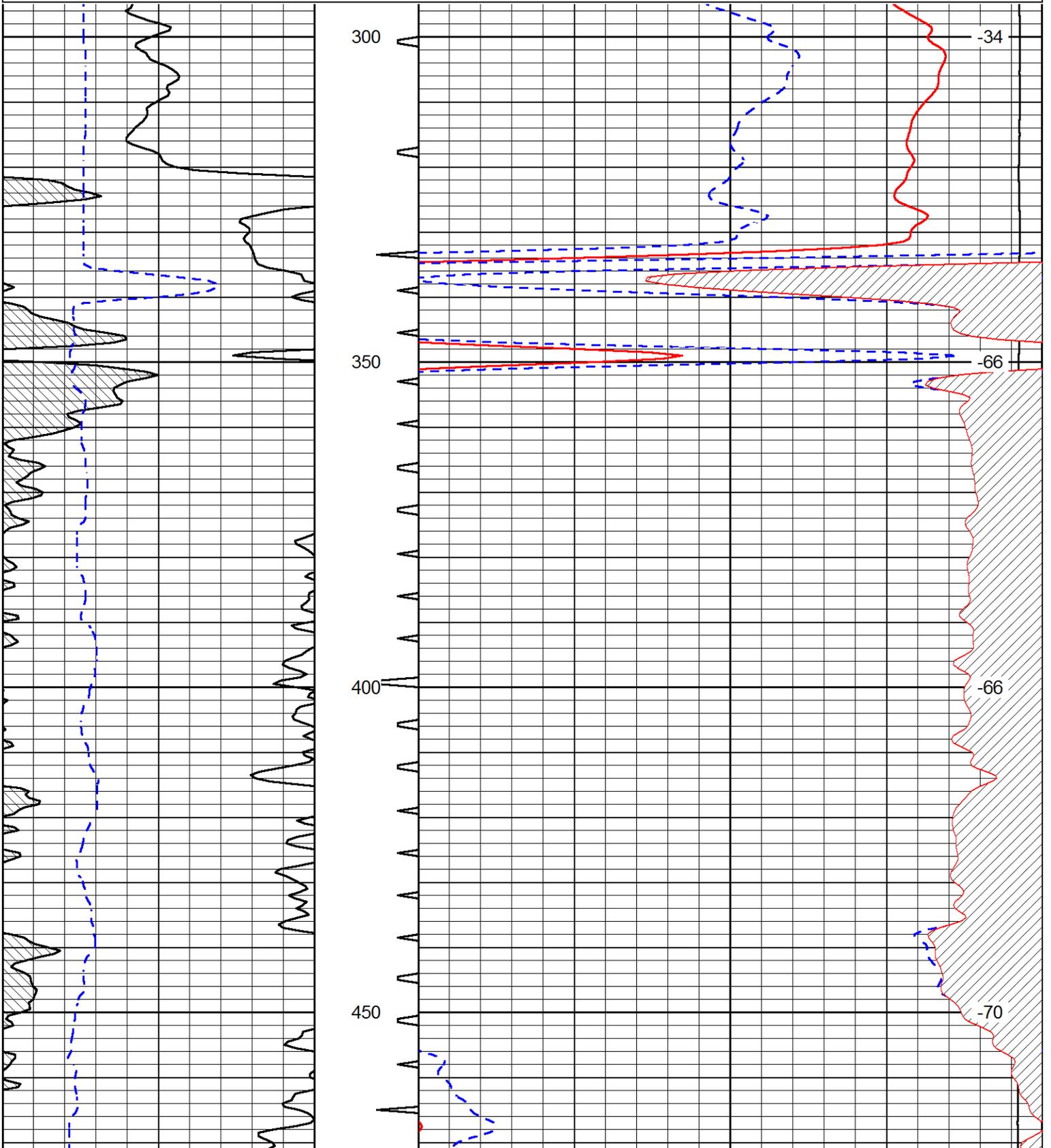
THANK YOU FOR USING PIONEER ENERGY SERVICES
www.pioneerenergy.com 785-625-3858

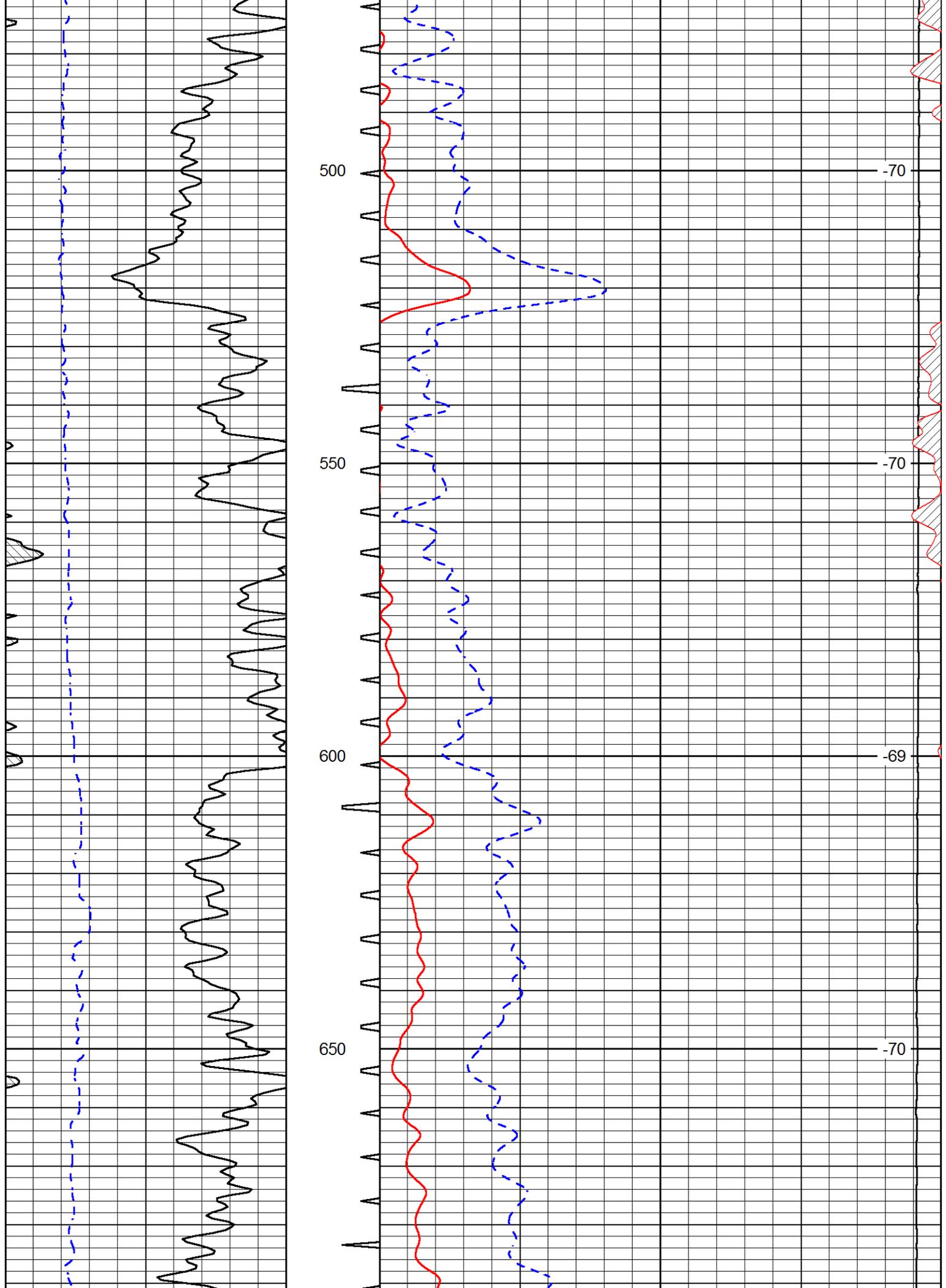
Your Pioneer Energy Services Crew	This Log Record Was Witnessed By
Engineer: J. LONG	Primary Witness: BOB PETERSEN
Operator: J. HENRICKSON	Secondary Witness:
Operator:	Secondary Witness:
Operator:	Secondary Witness:

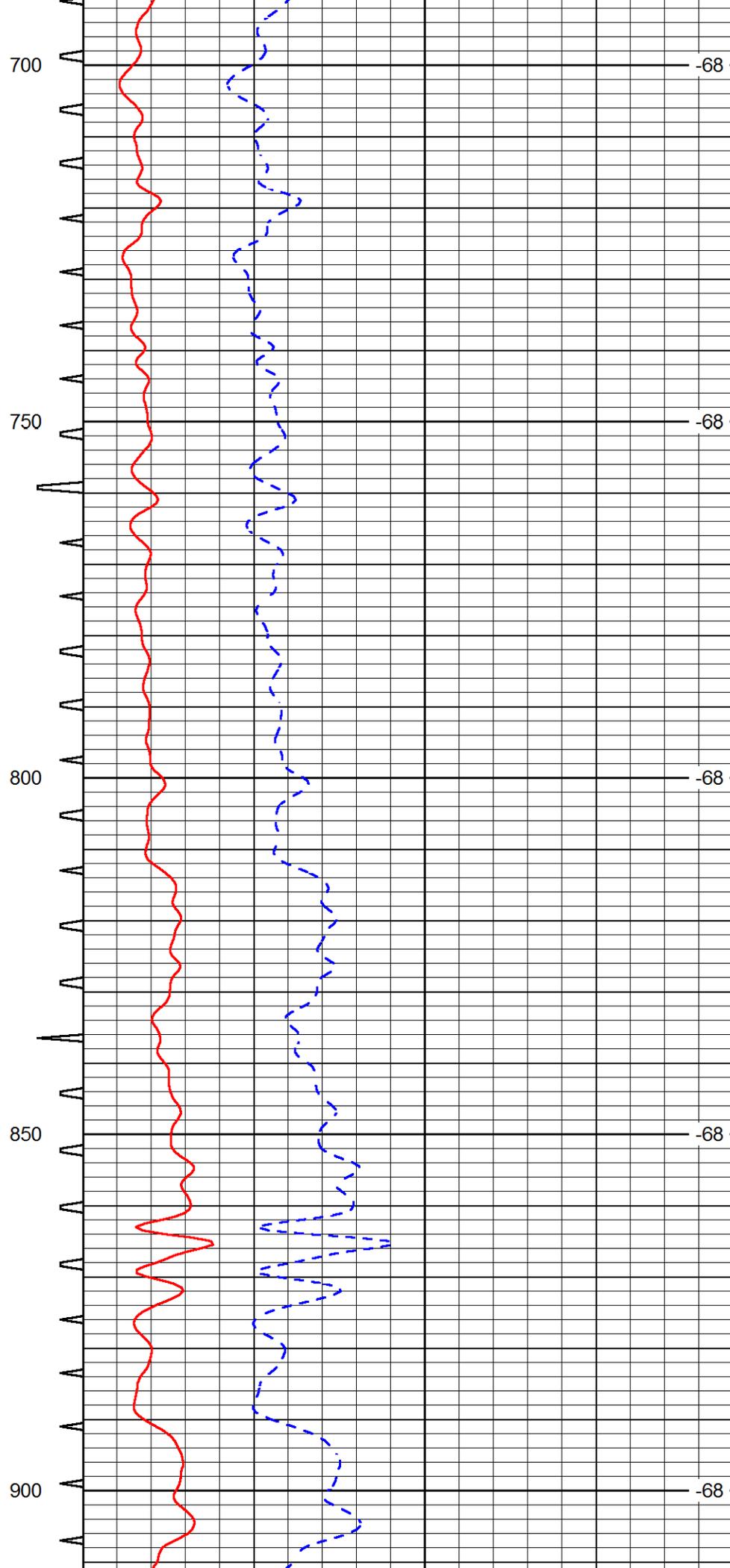
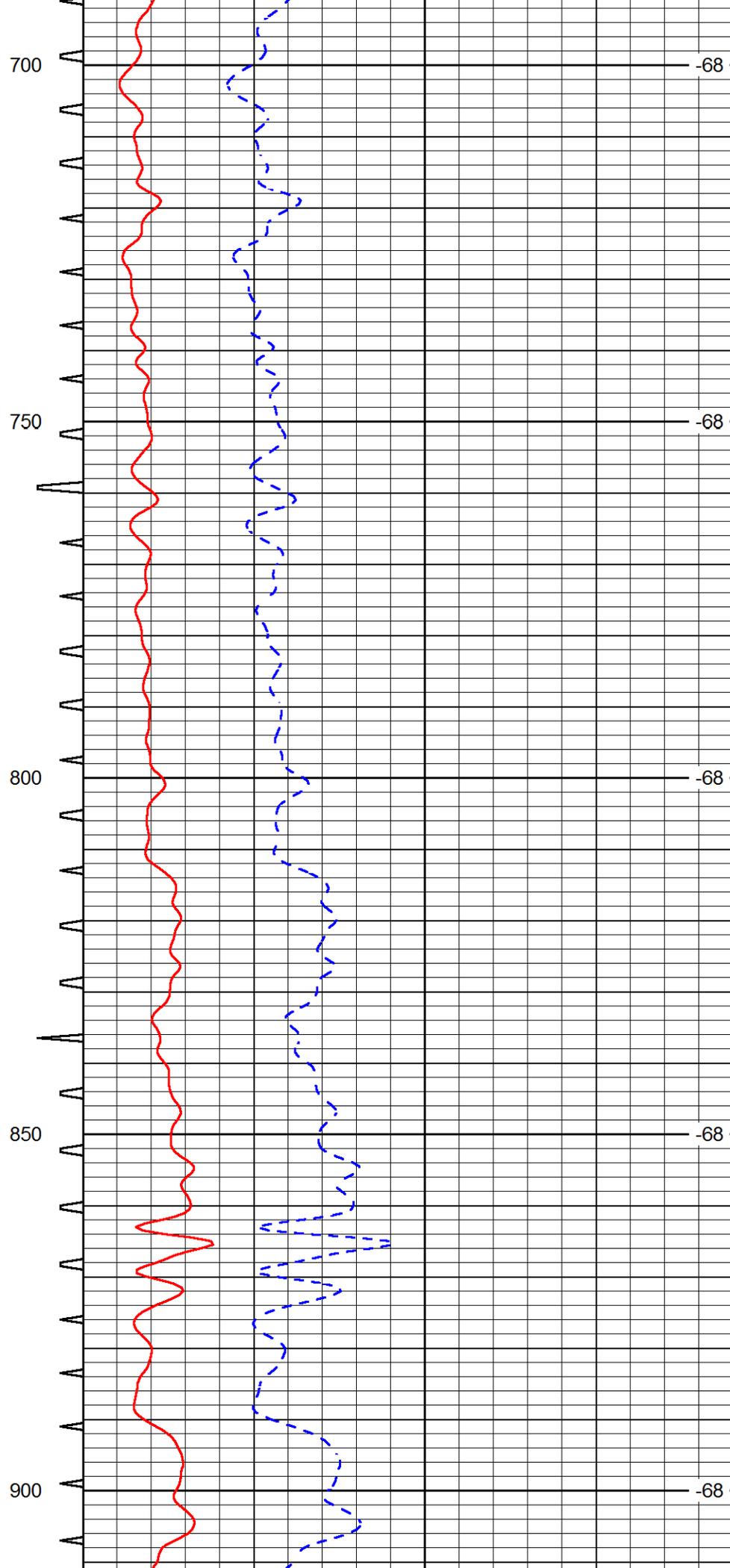
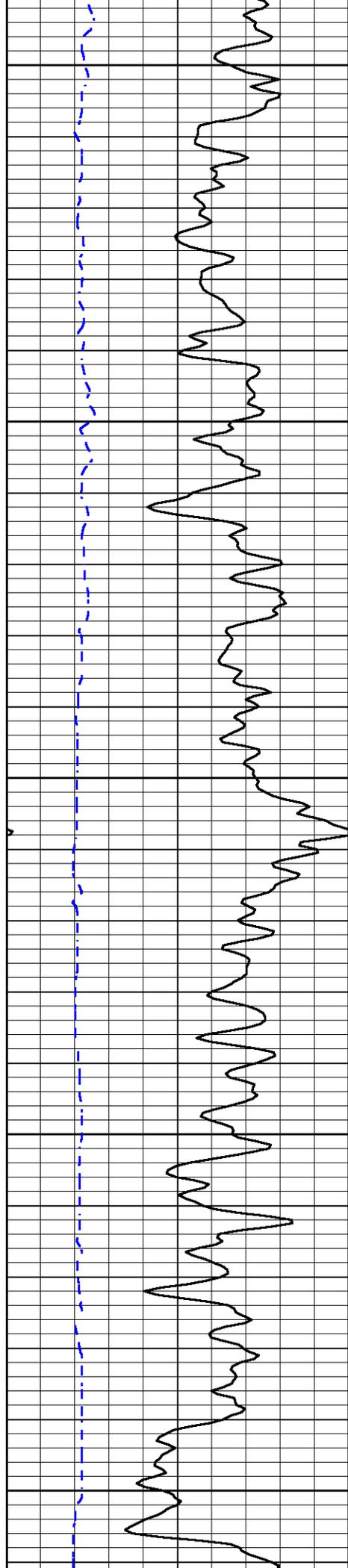
Database File suemaur_campbell_1hd.db
 Dataset Pathname DILDUCP/suestck2
 Presentation Format sonic
 Dataset Creation Mon Dec 07 22:37:21 2015
 Charted by Depth in Feet scaled 1:240

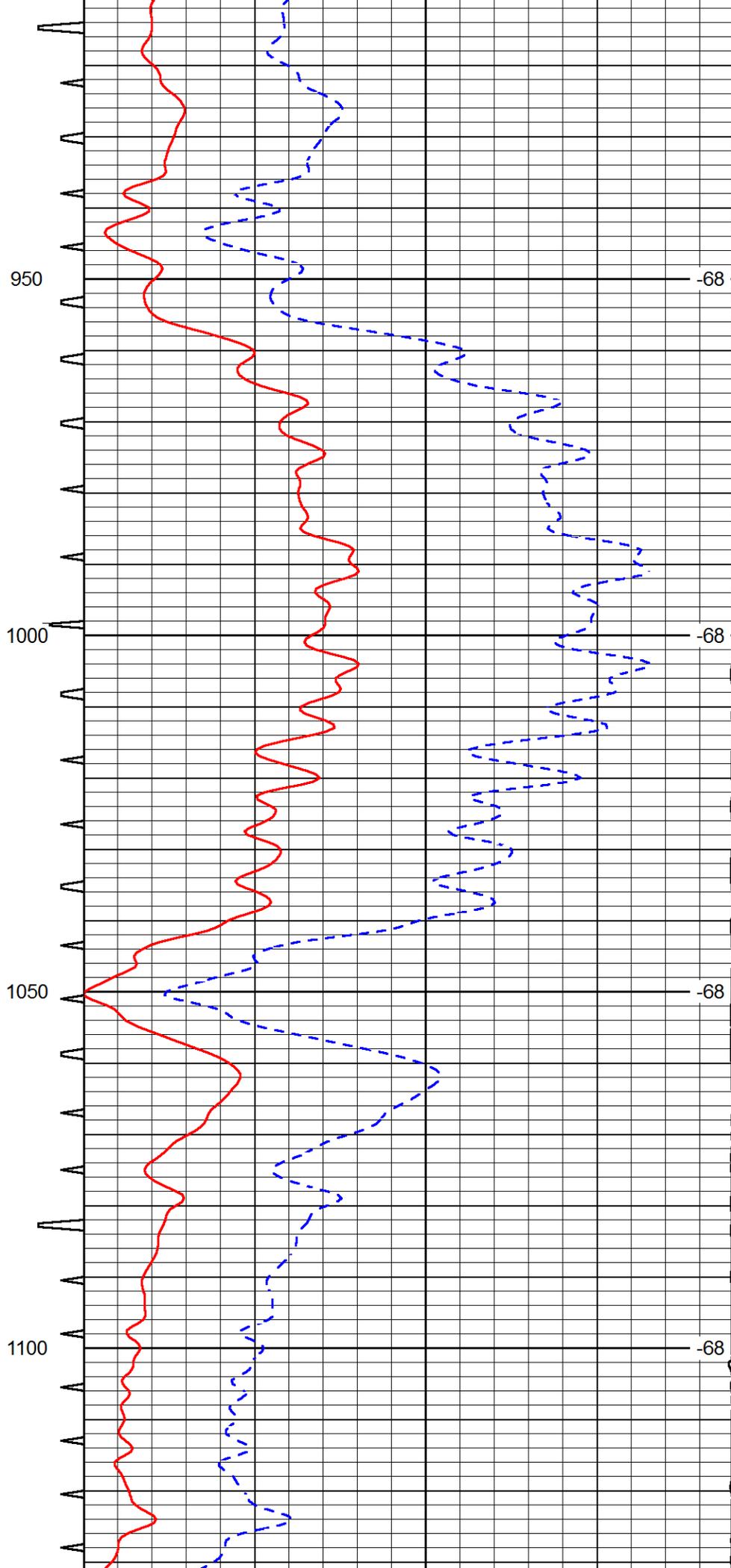
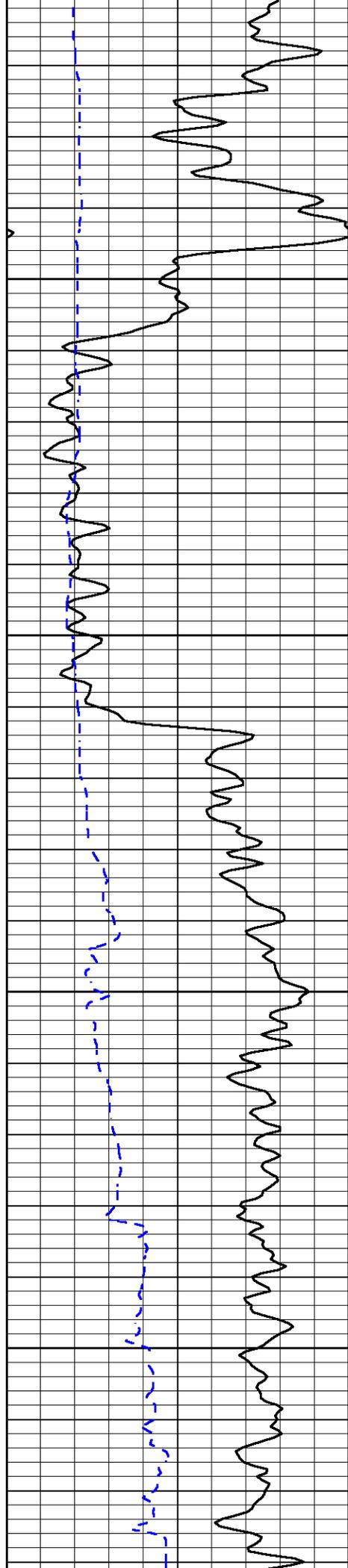
0	Gamma Ray (GAPI)	150	Sonic Int	140	Delta Time (usec/ft) (usec/ft)	40
150	Gamma Ray (GAPI)	300	5 (msec) 0	30	Sonic Porosity (pu)	-10
6	dCAL (in)	16		15000	LTEN (lb) (lb)	0

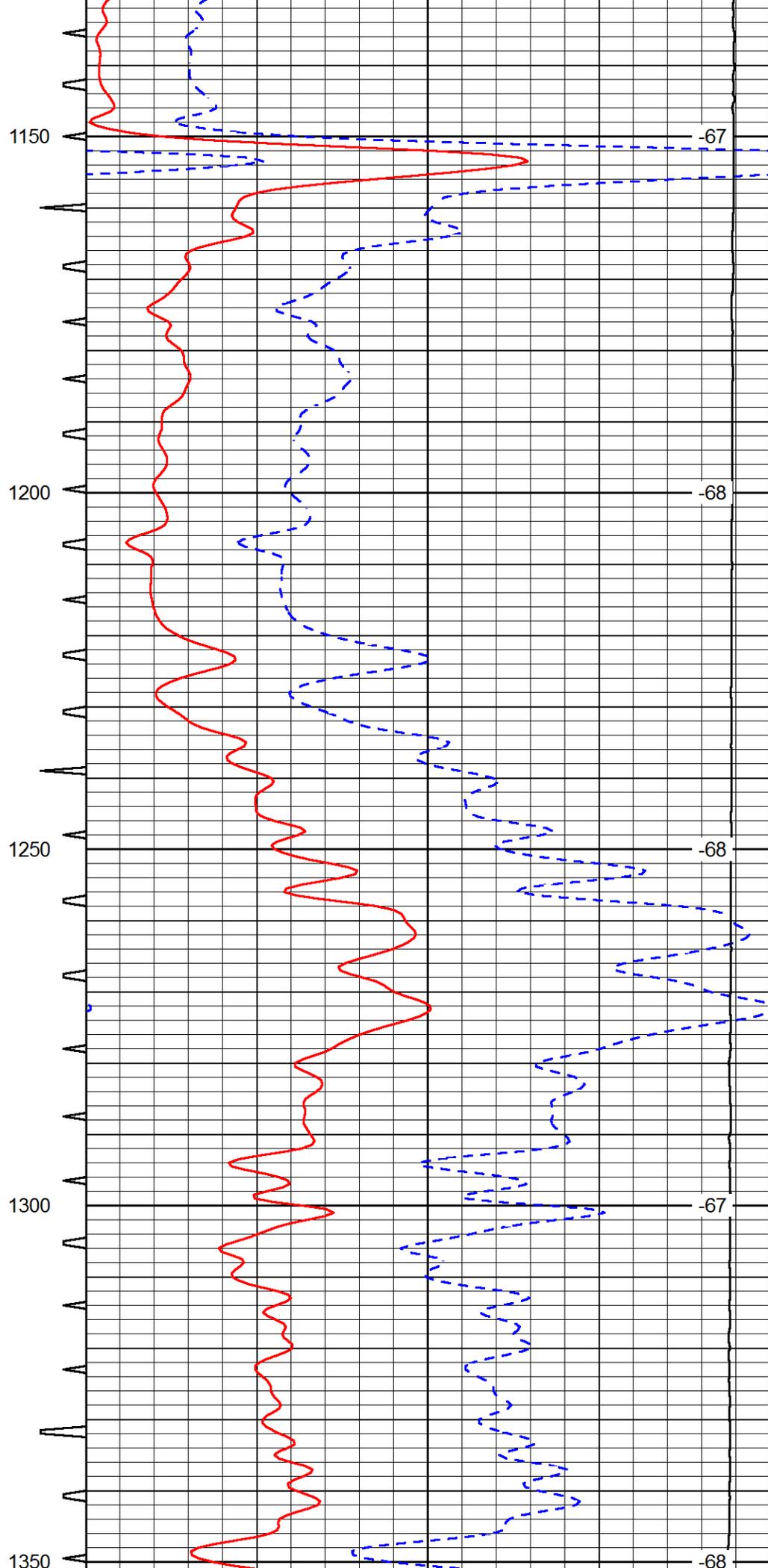
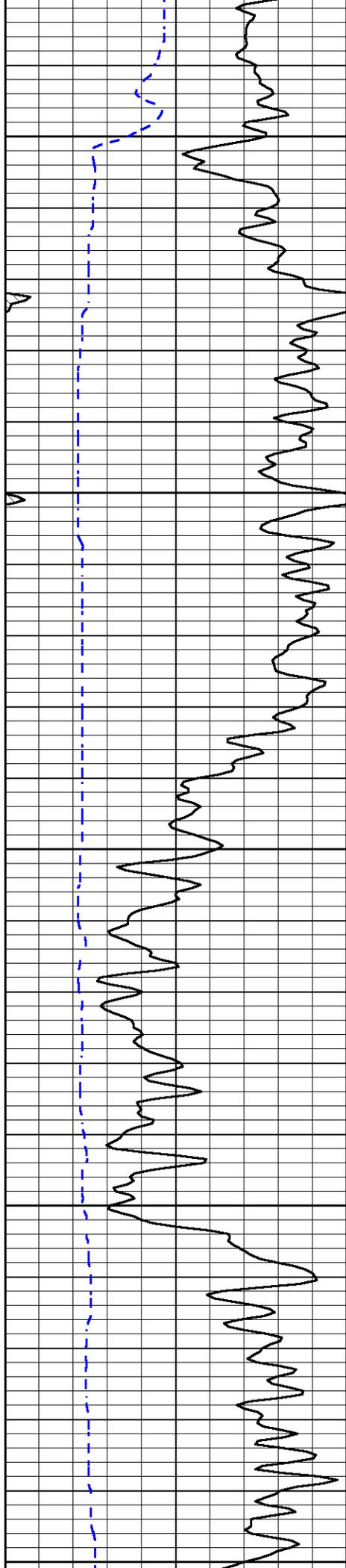
LSPD
(ft/min)

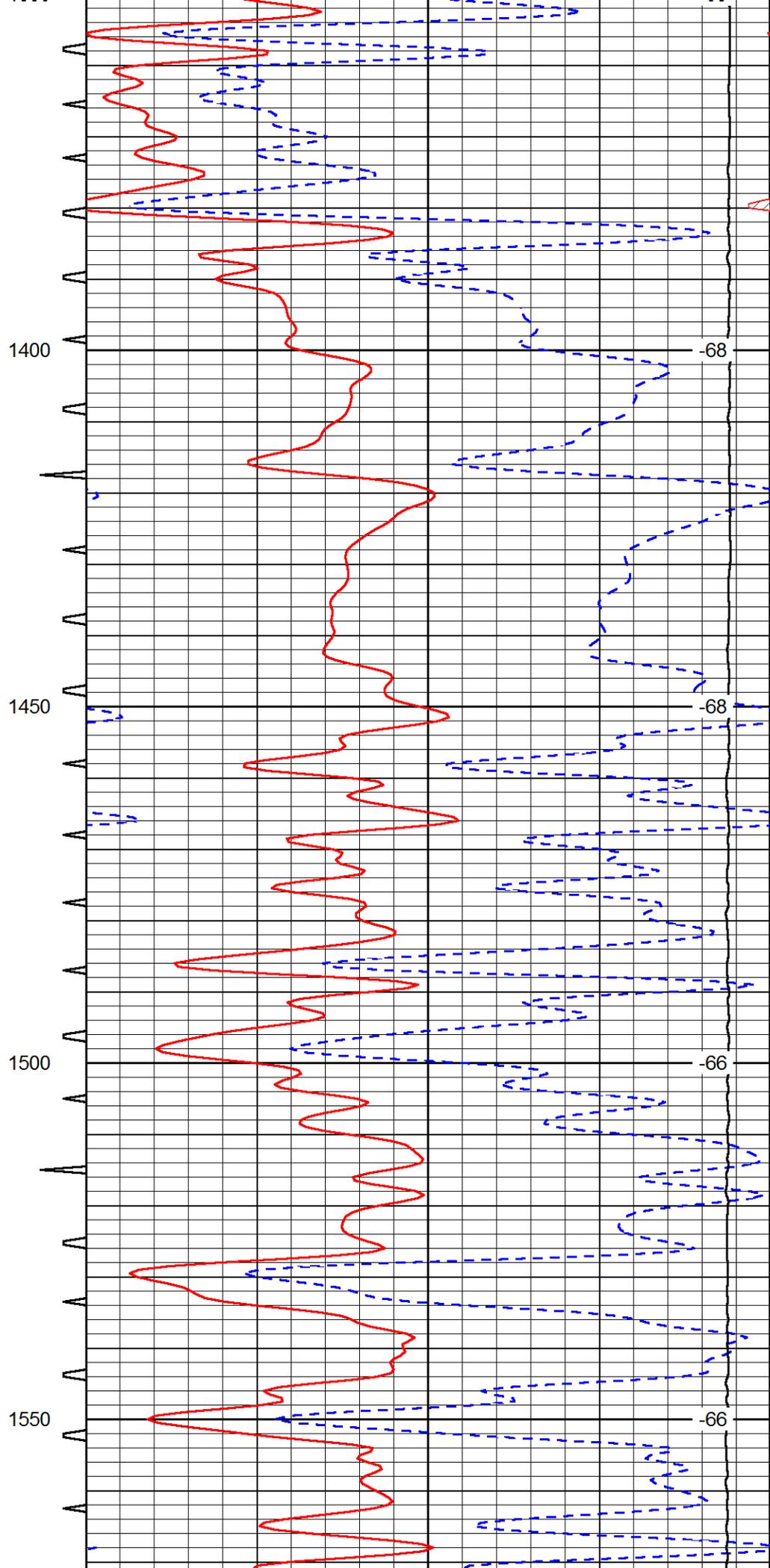
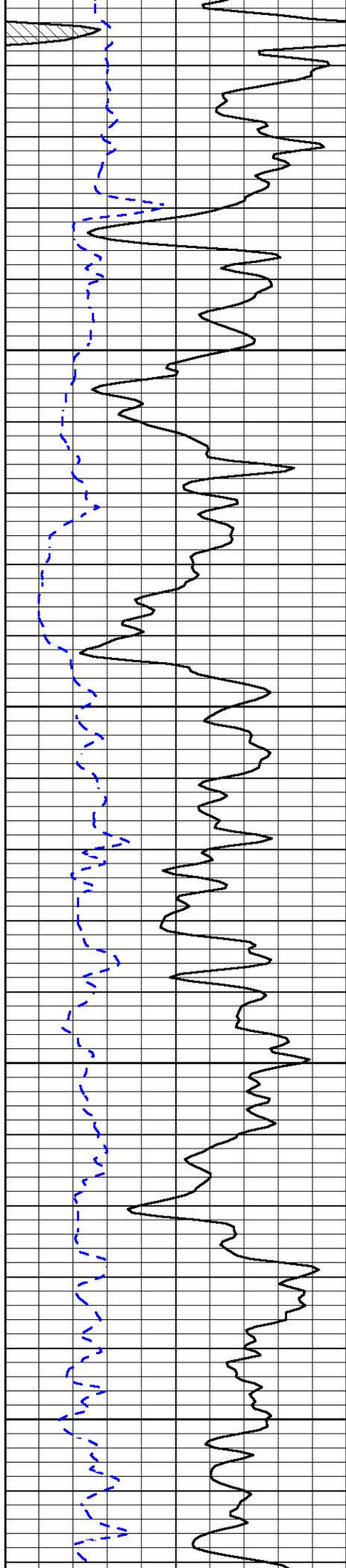


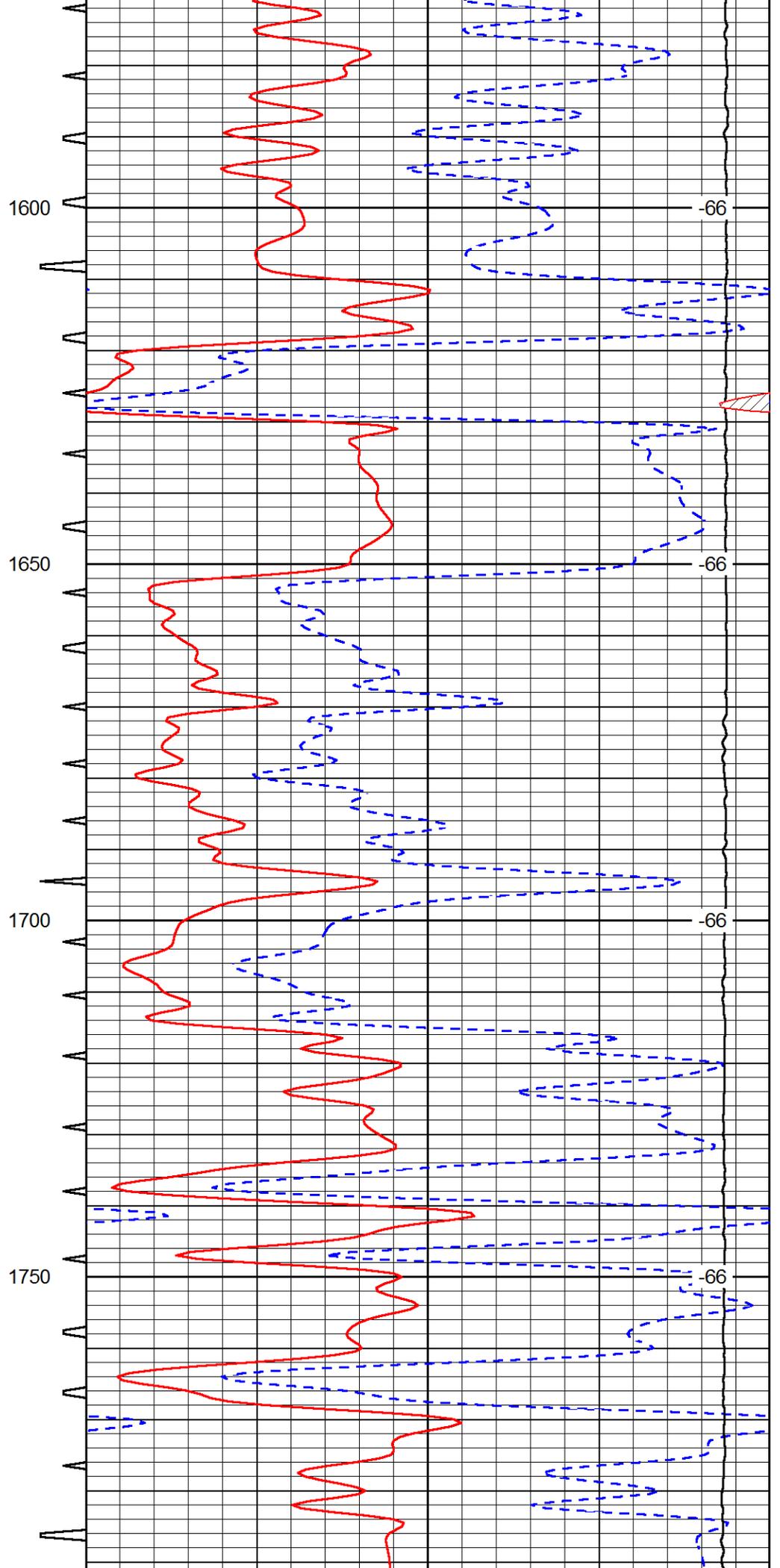
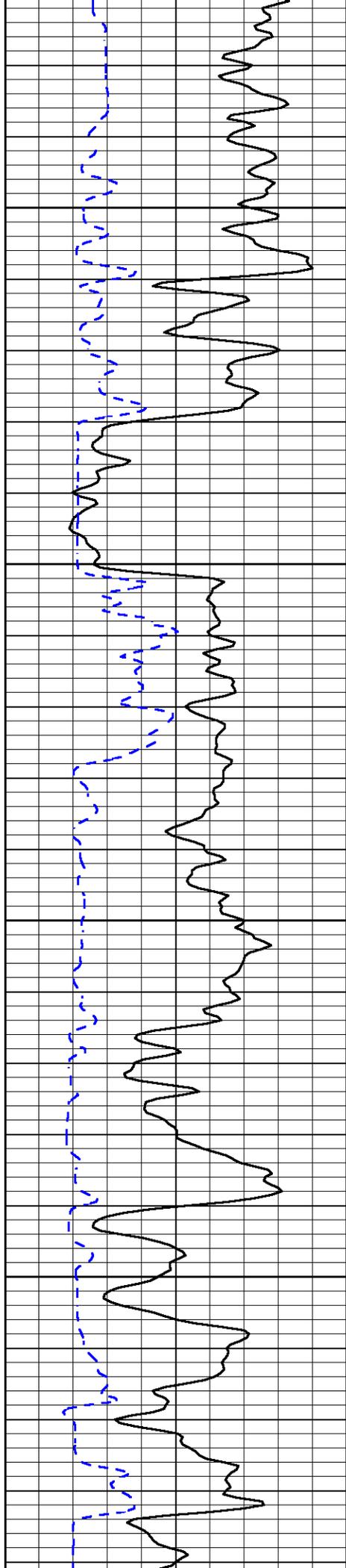


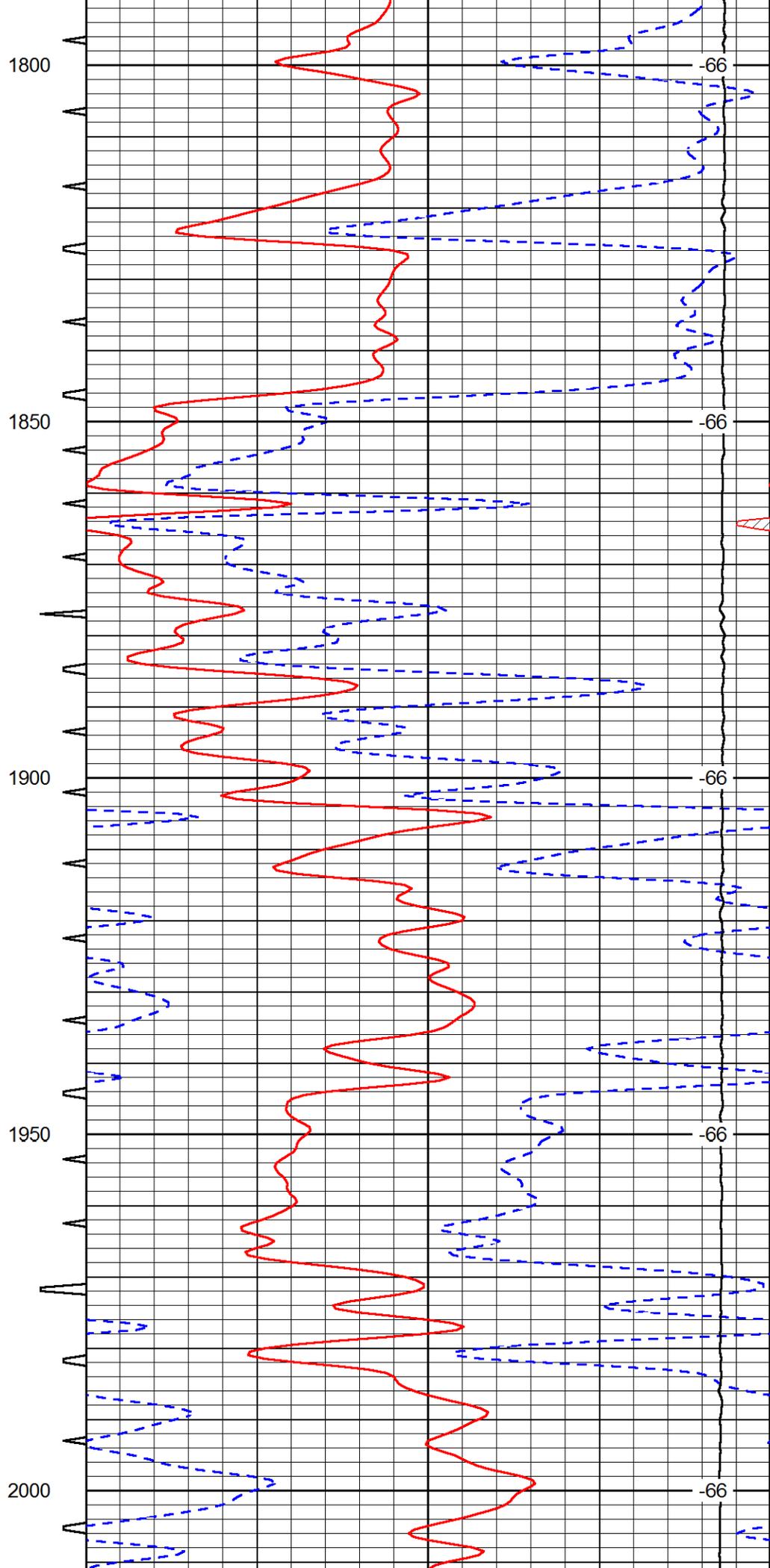
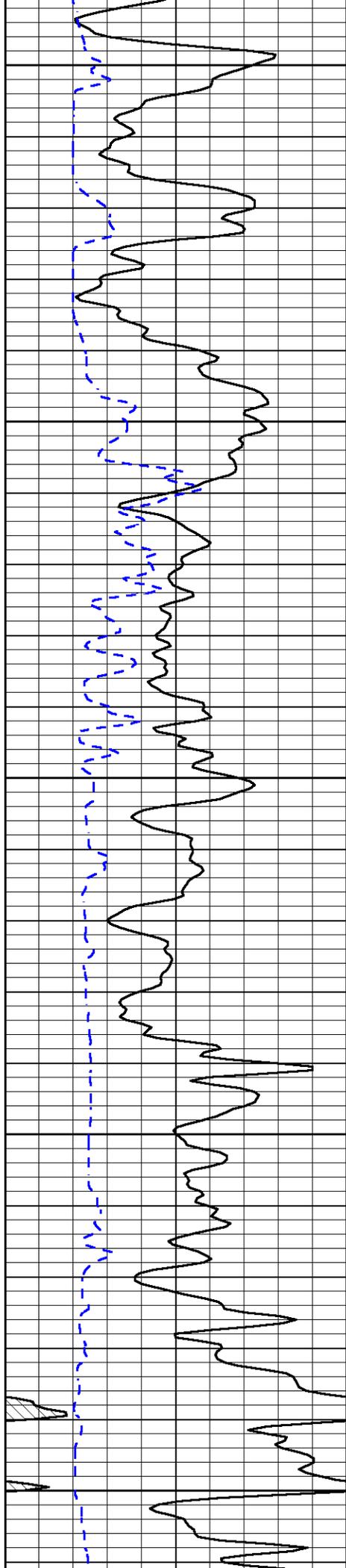


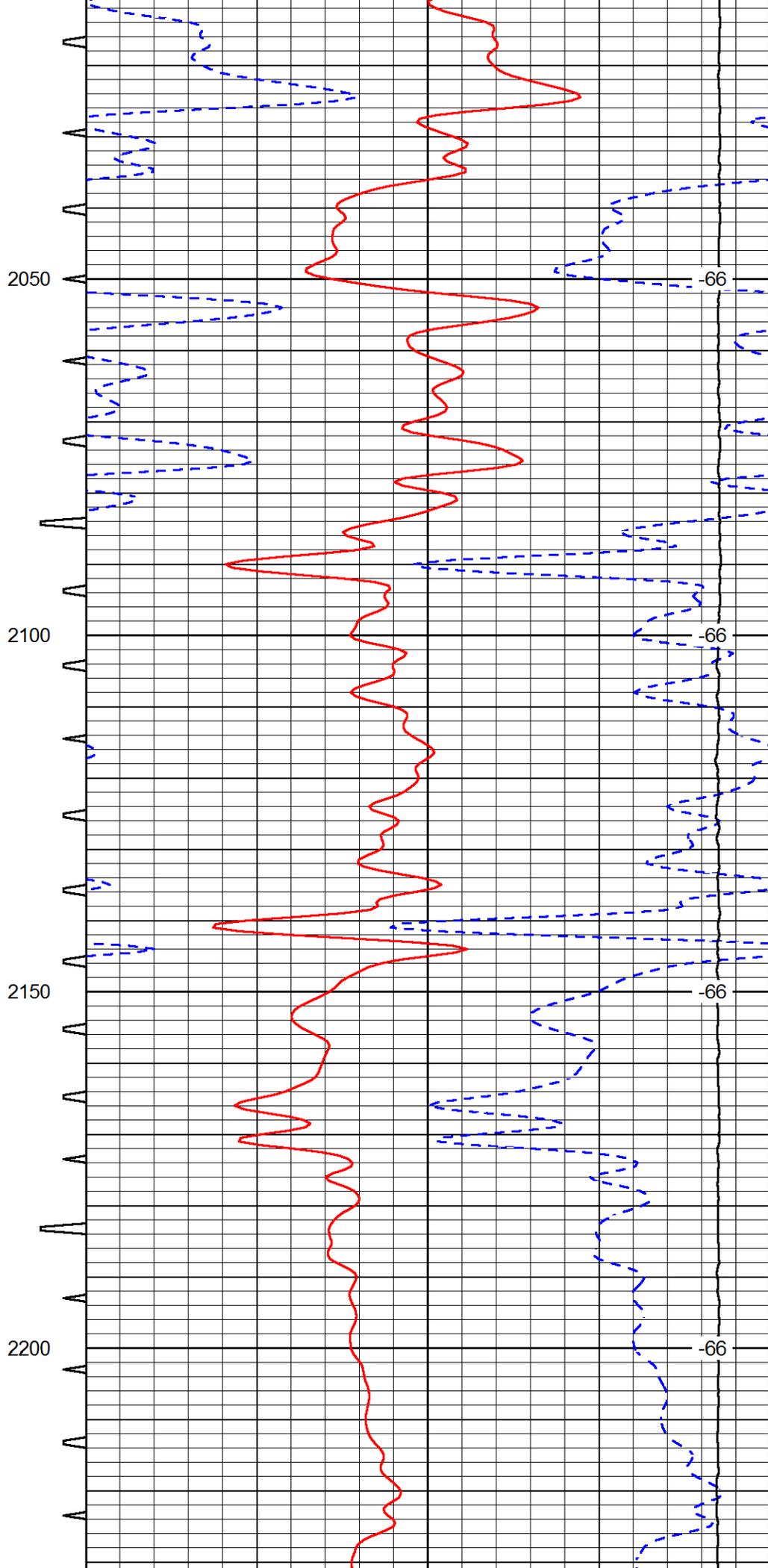
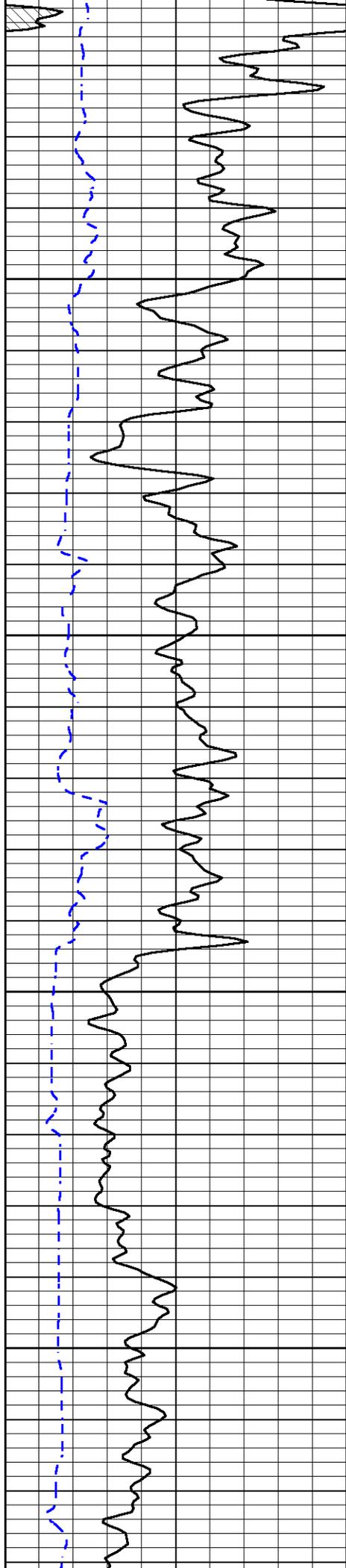


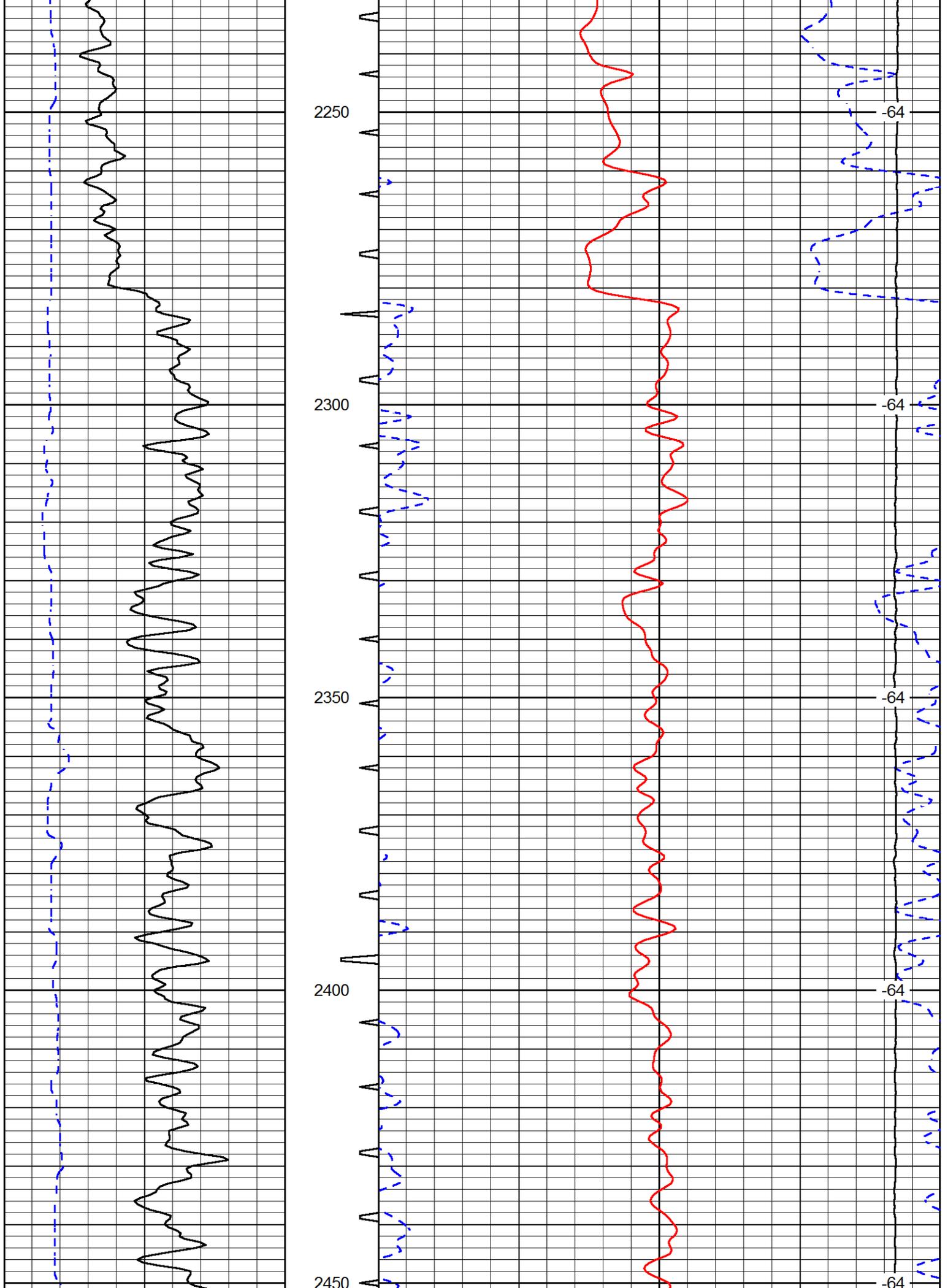


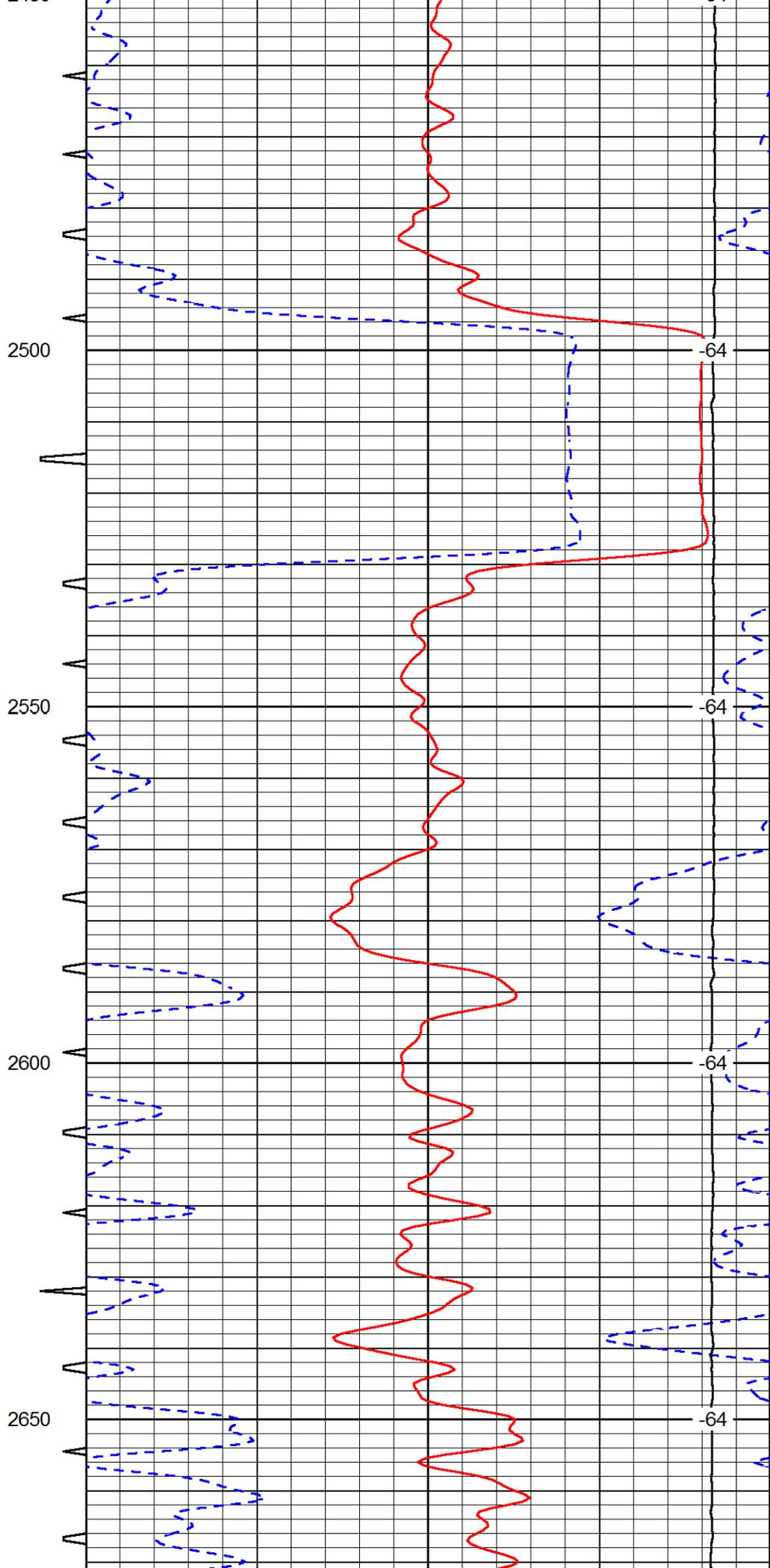
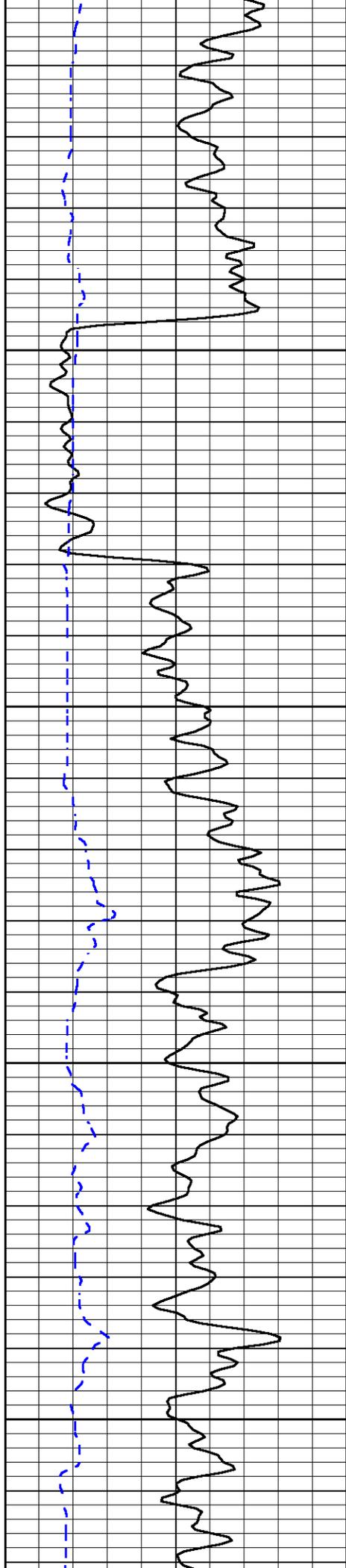


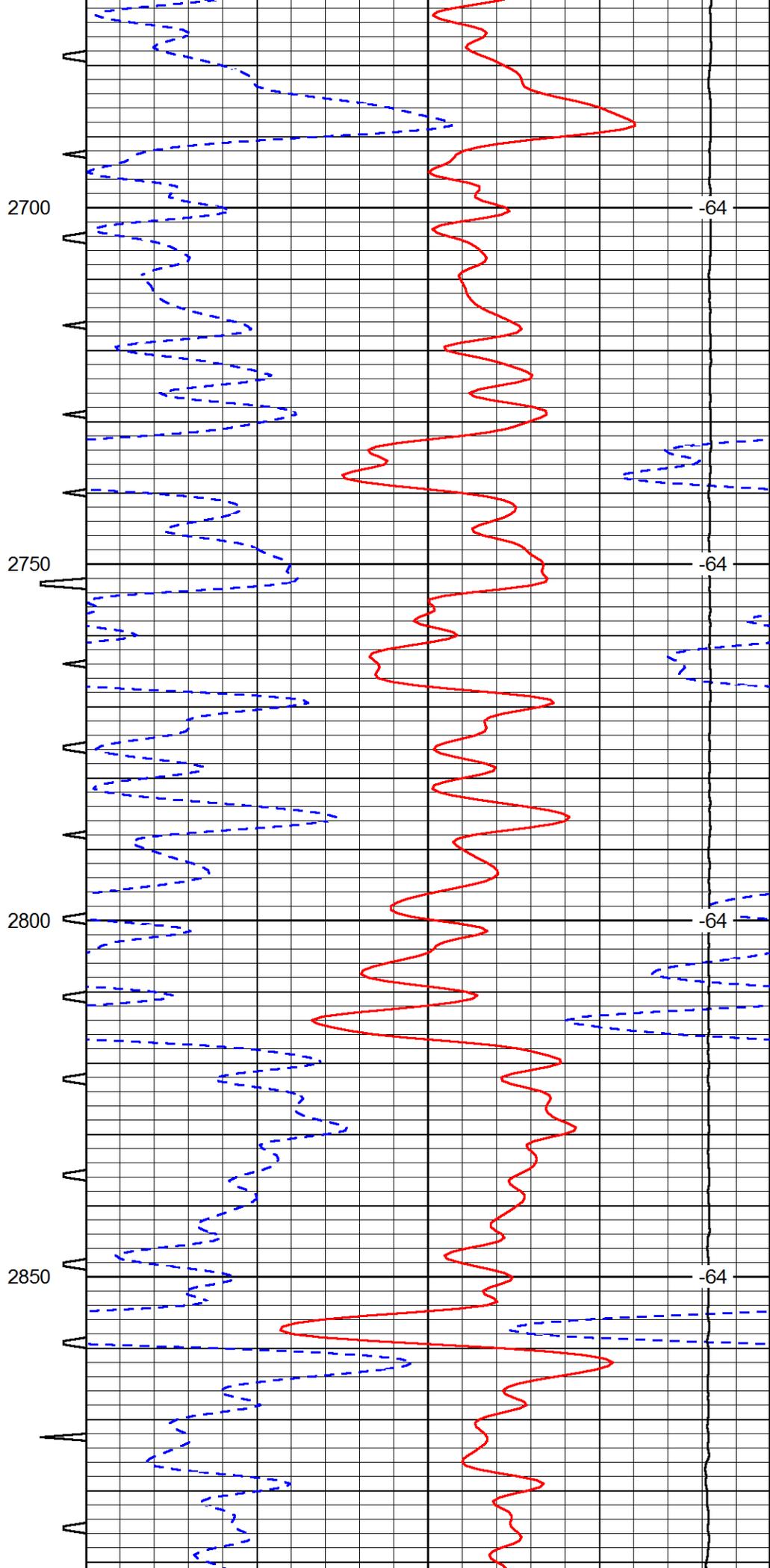
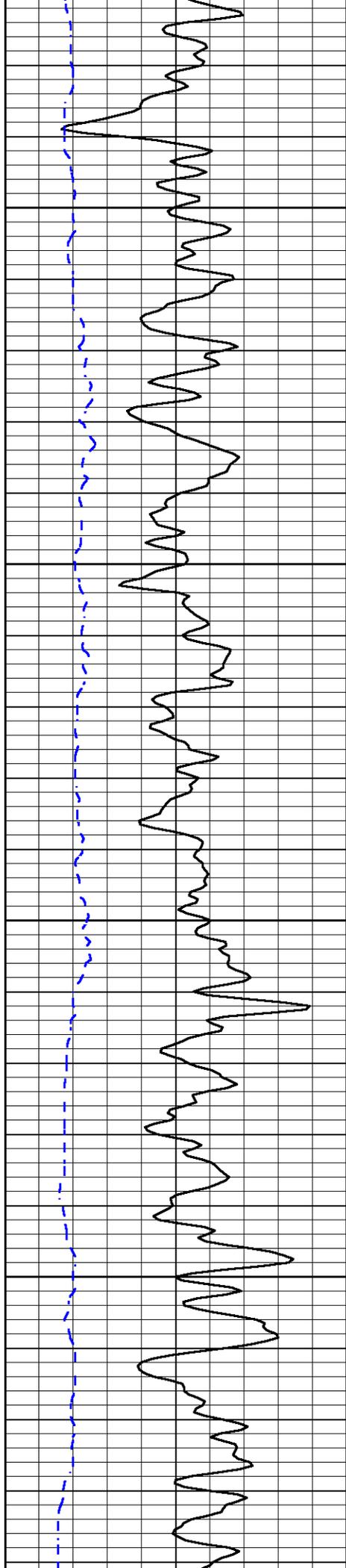


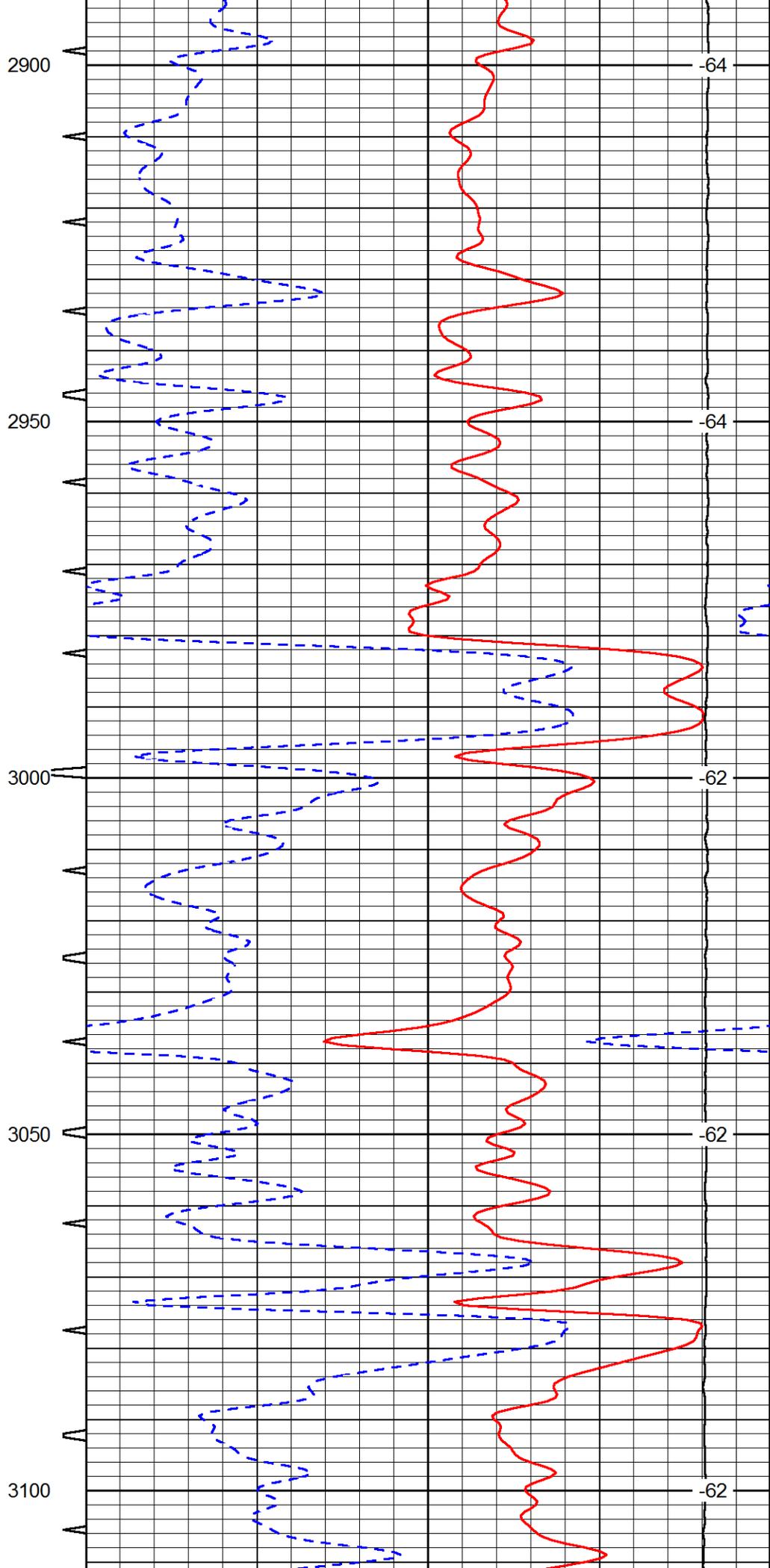
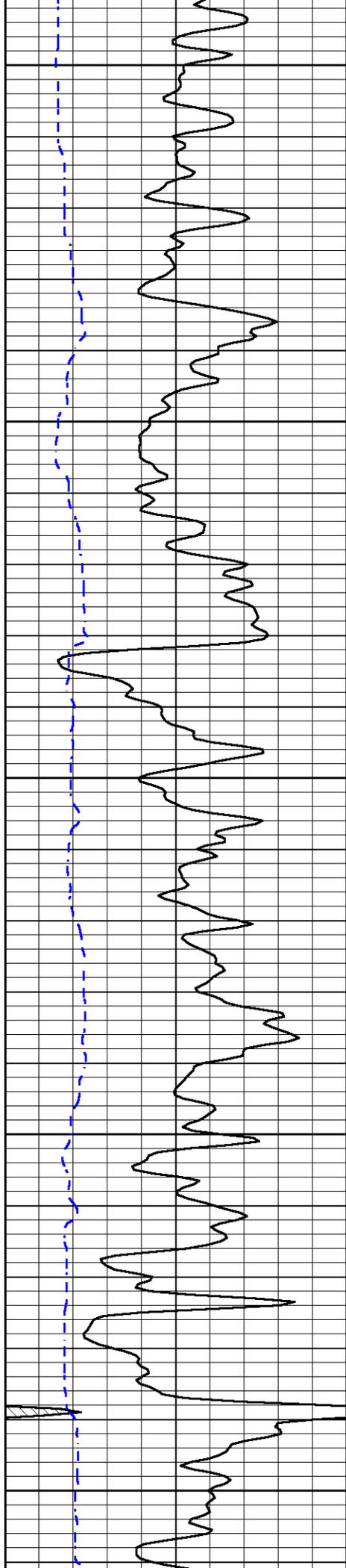


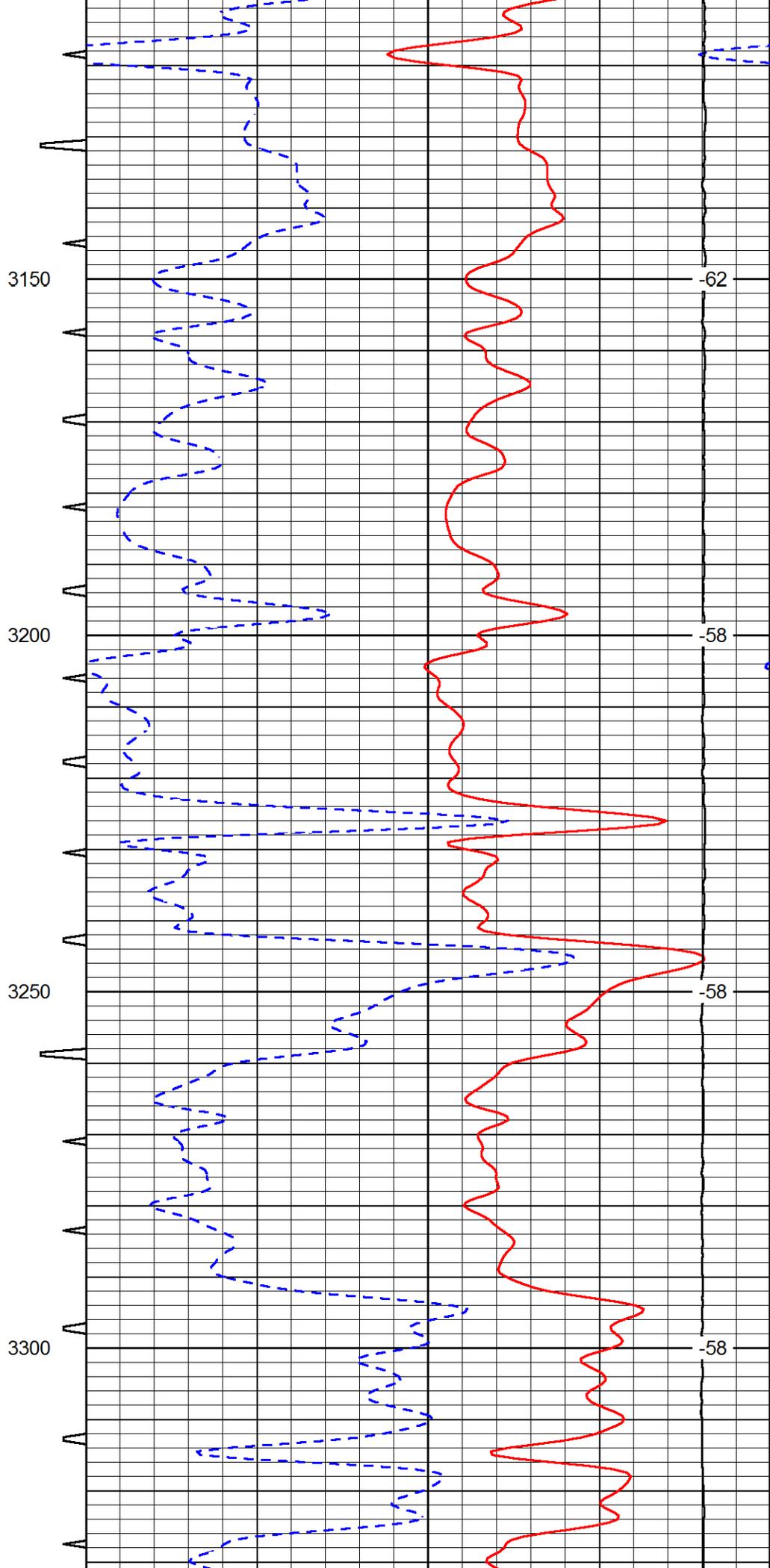
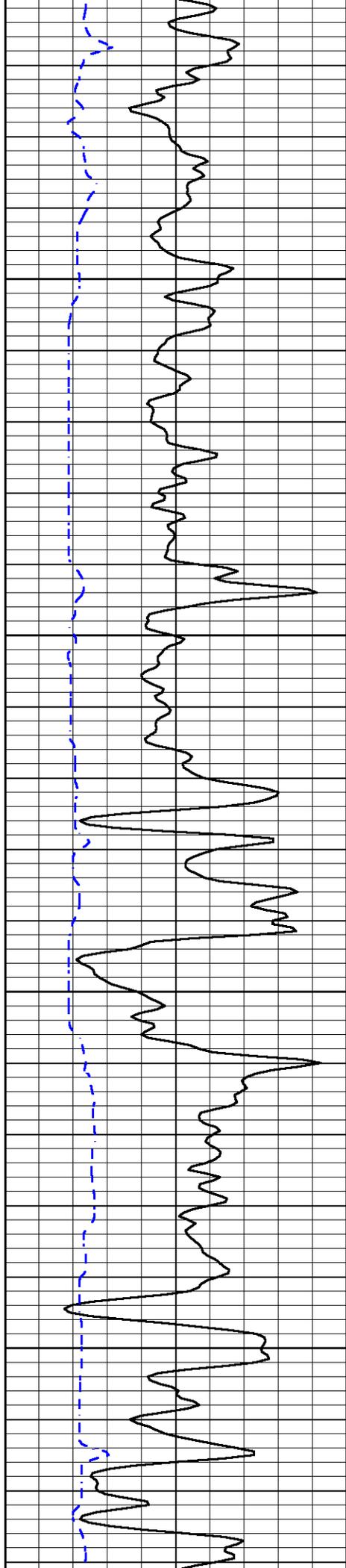












3150

-62

3200

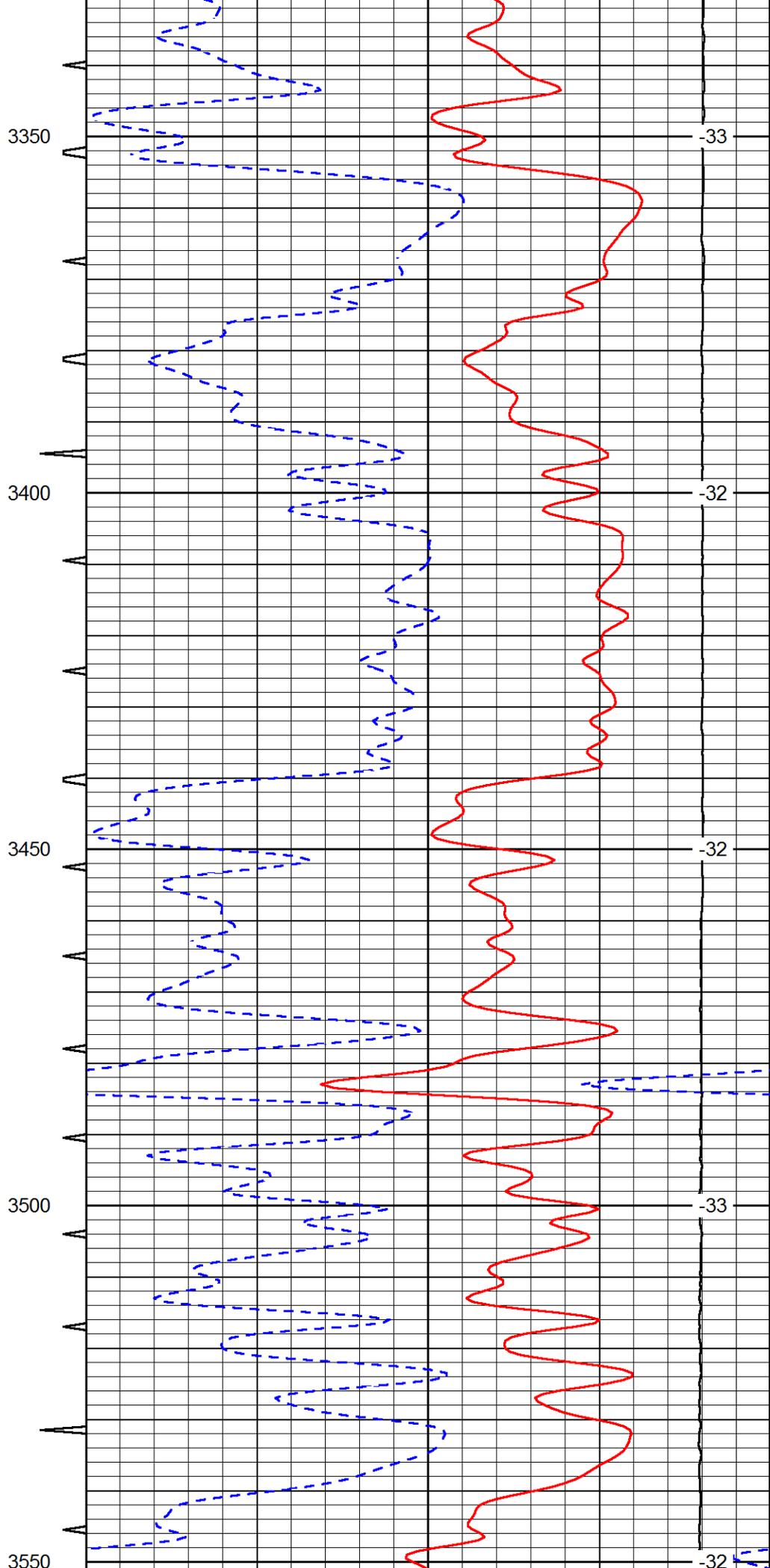
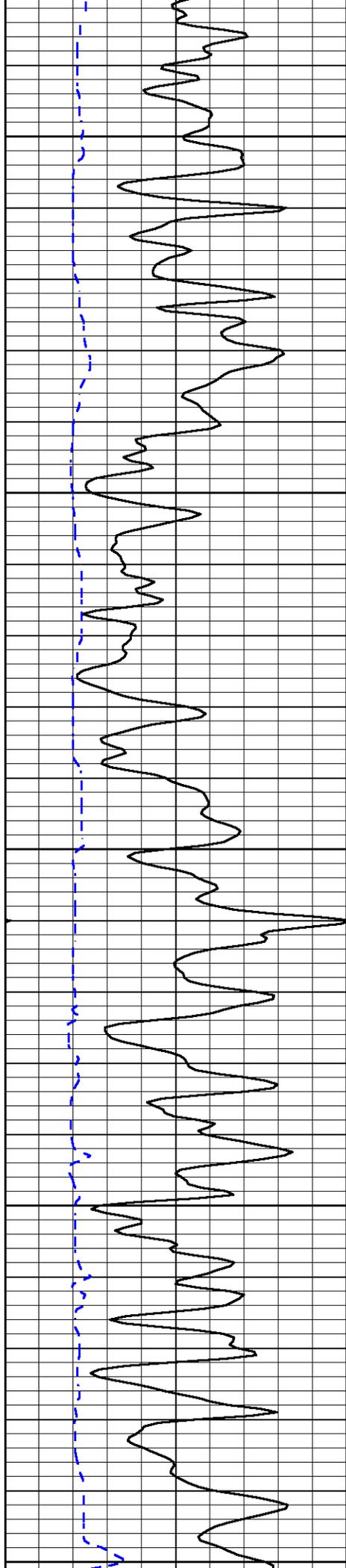
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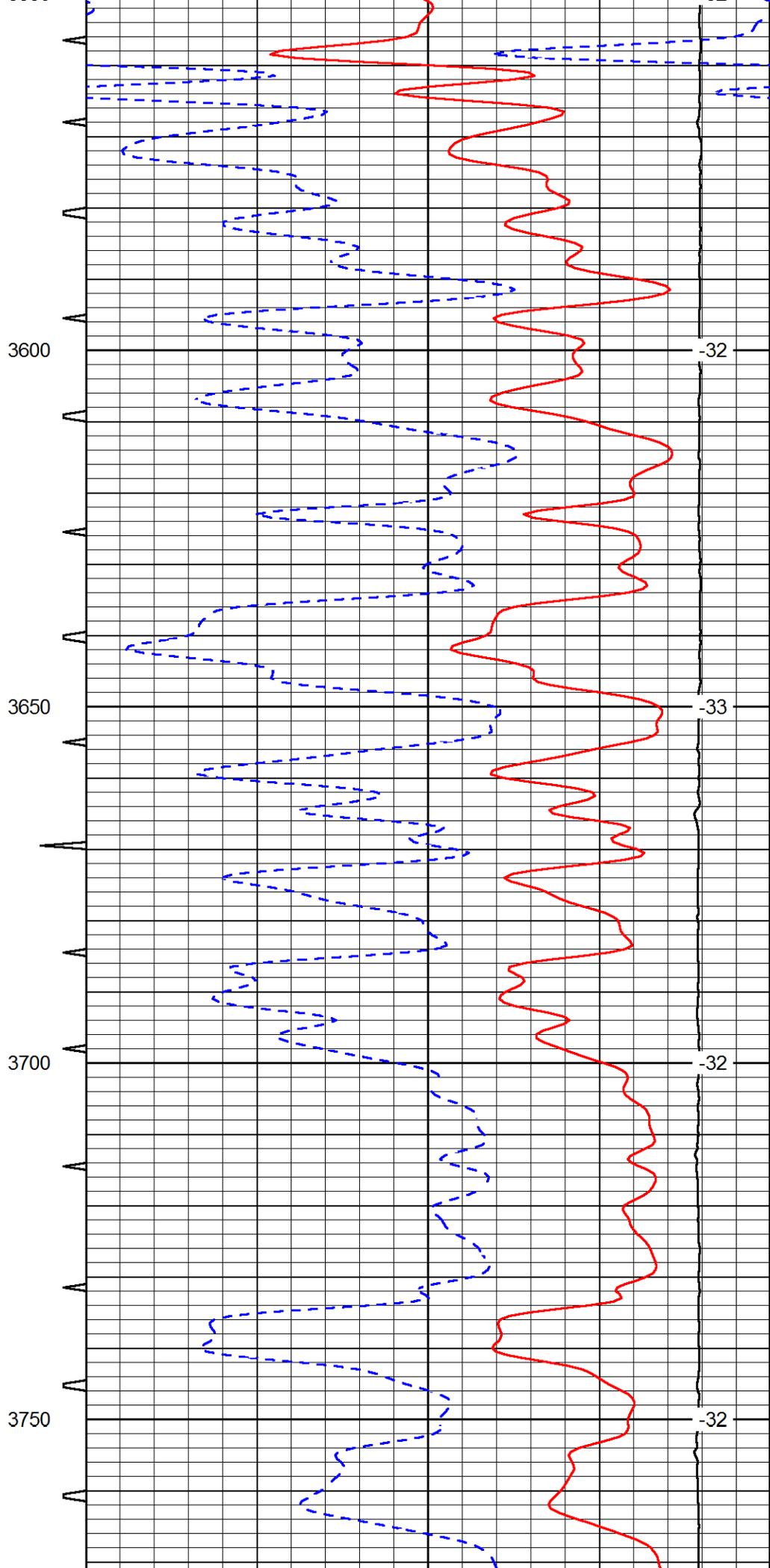
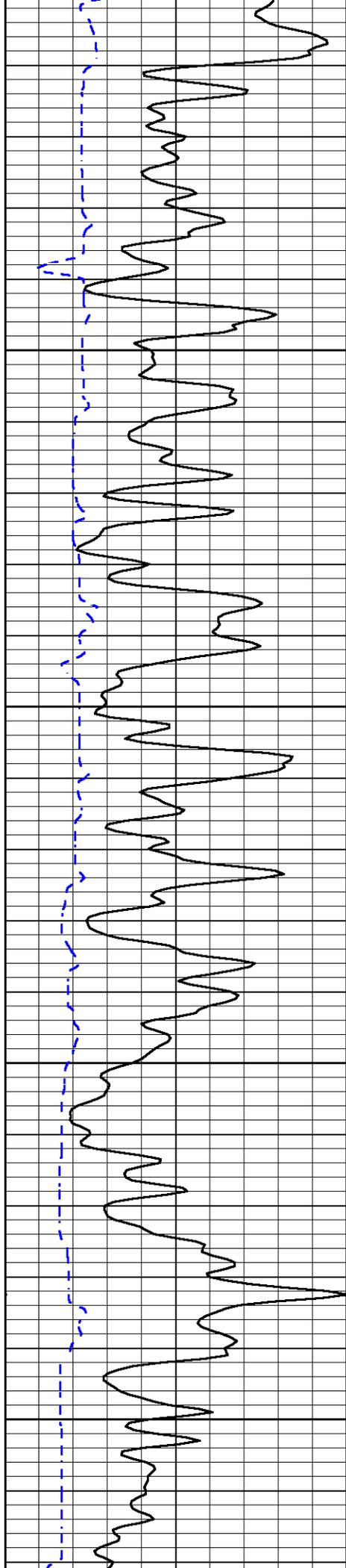
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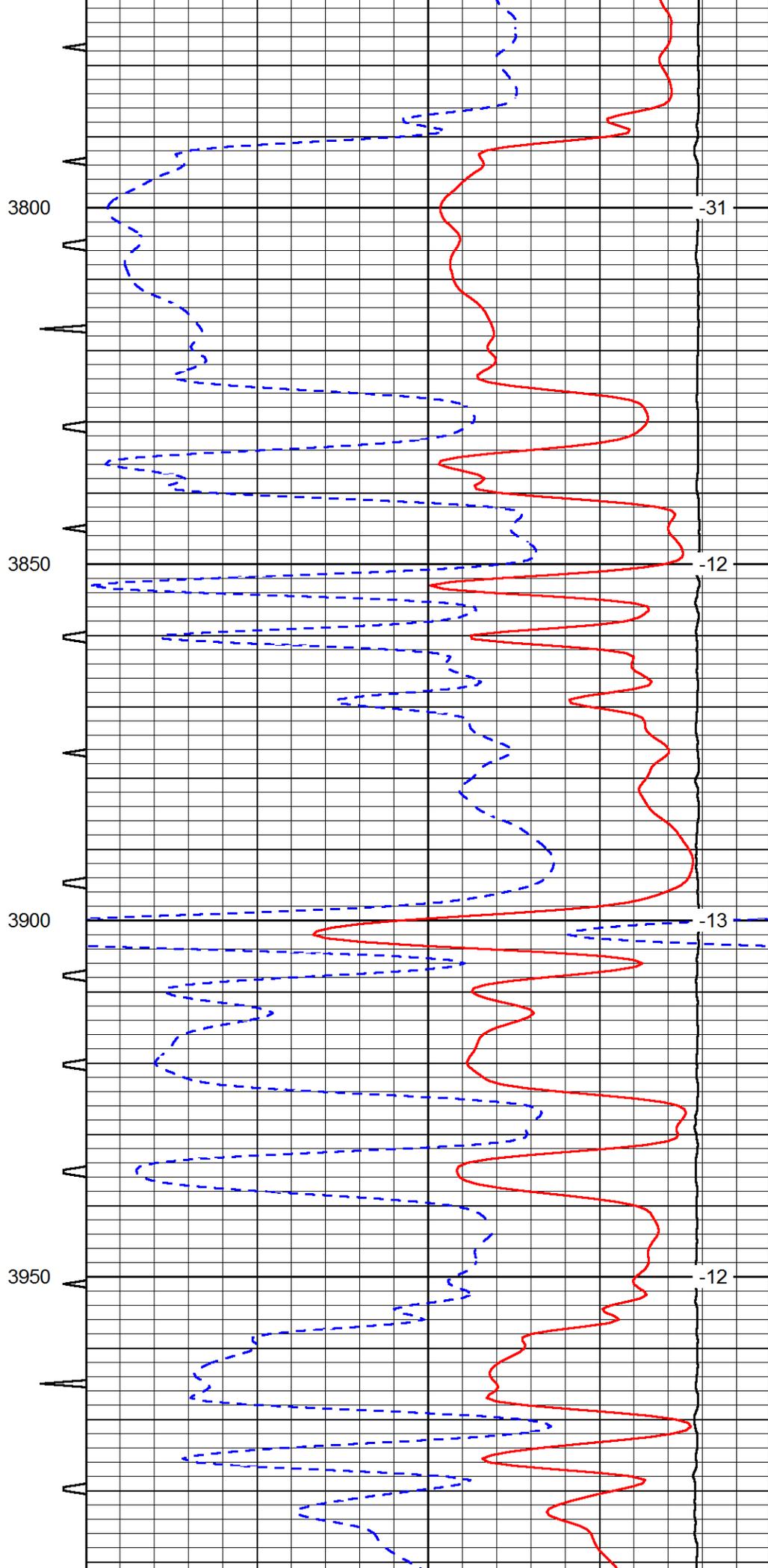
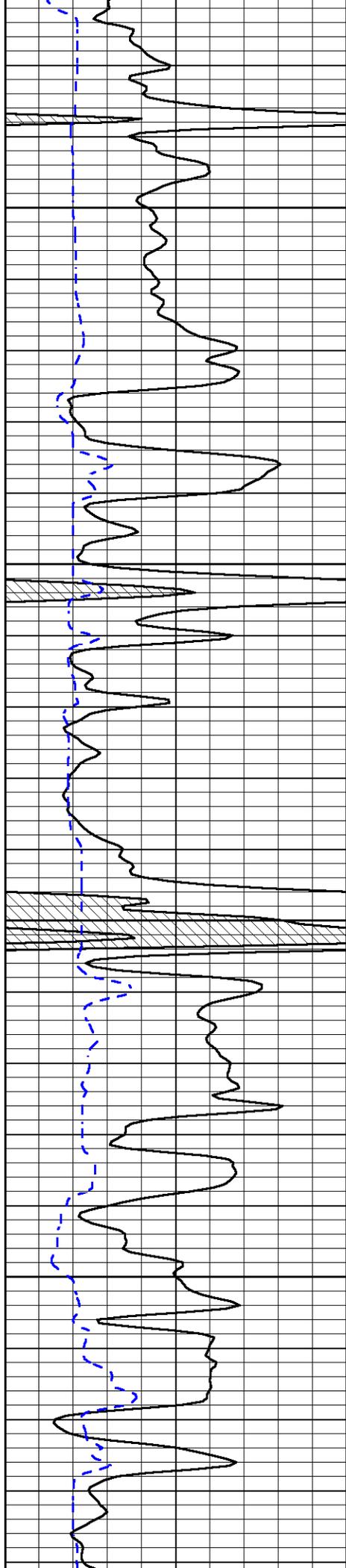
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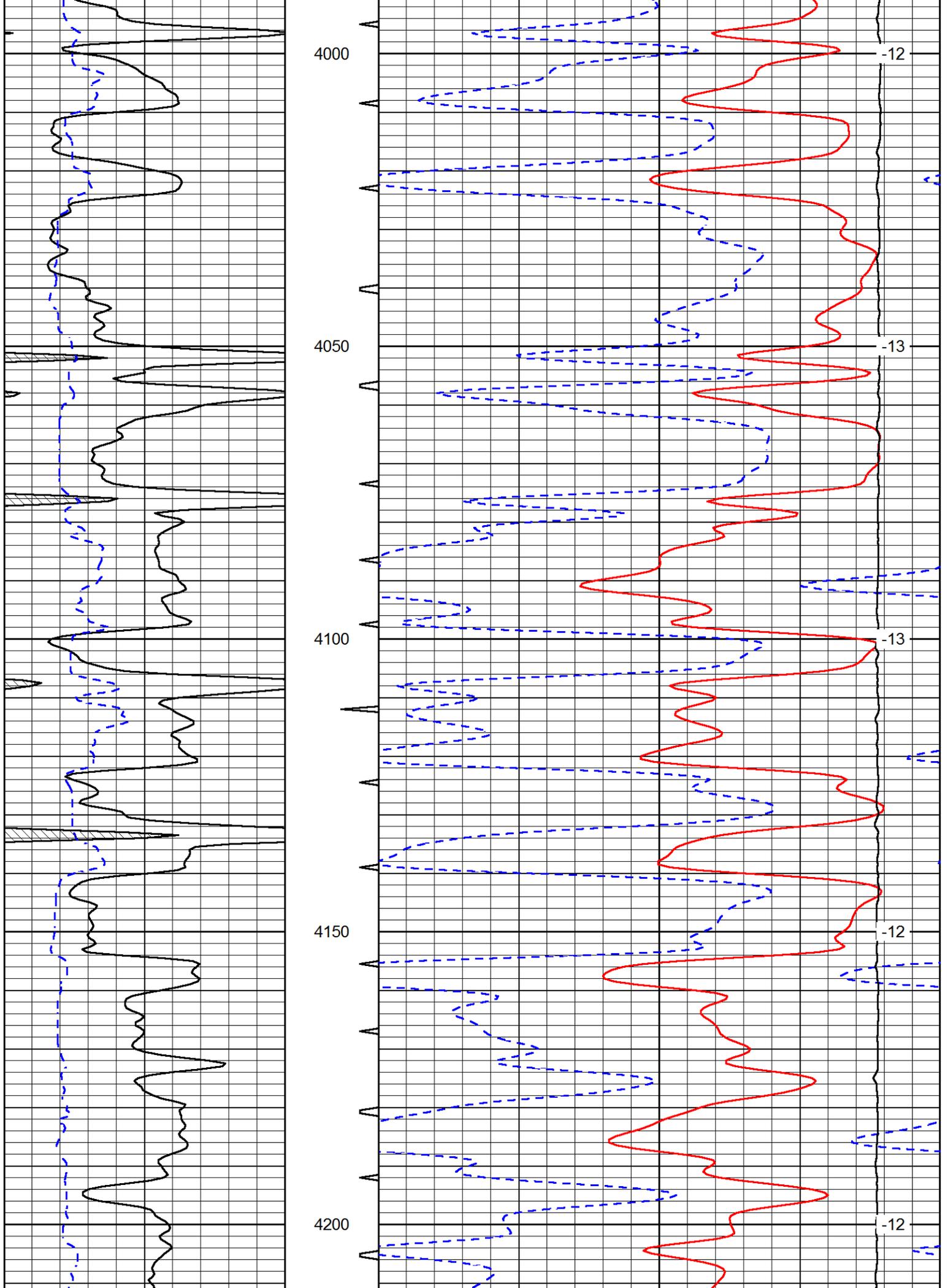
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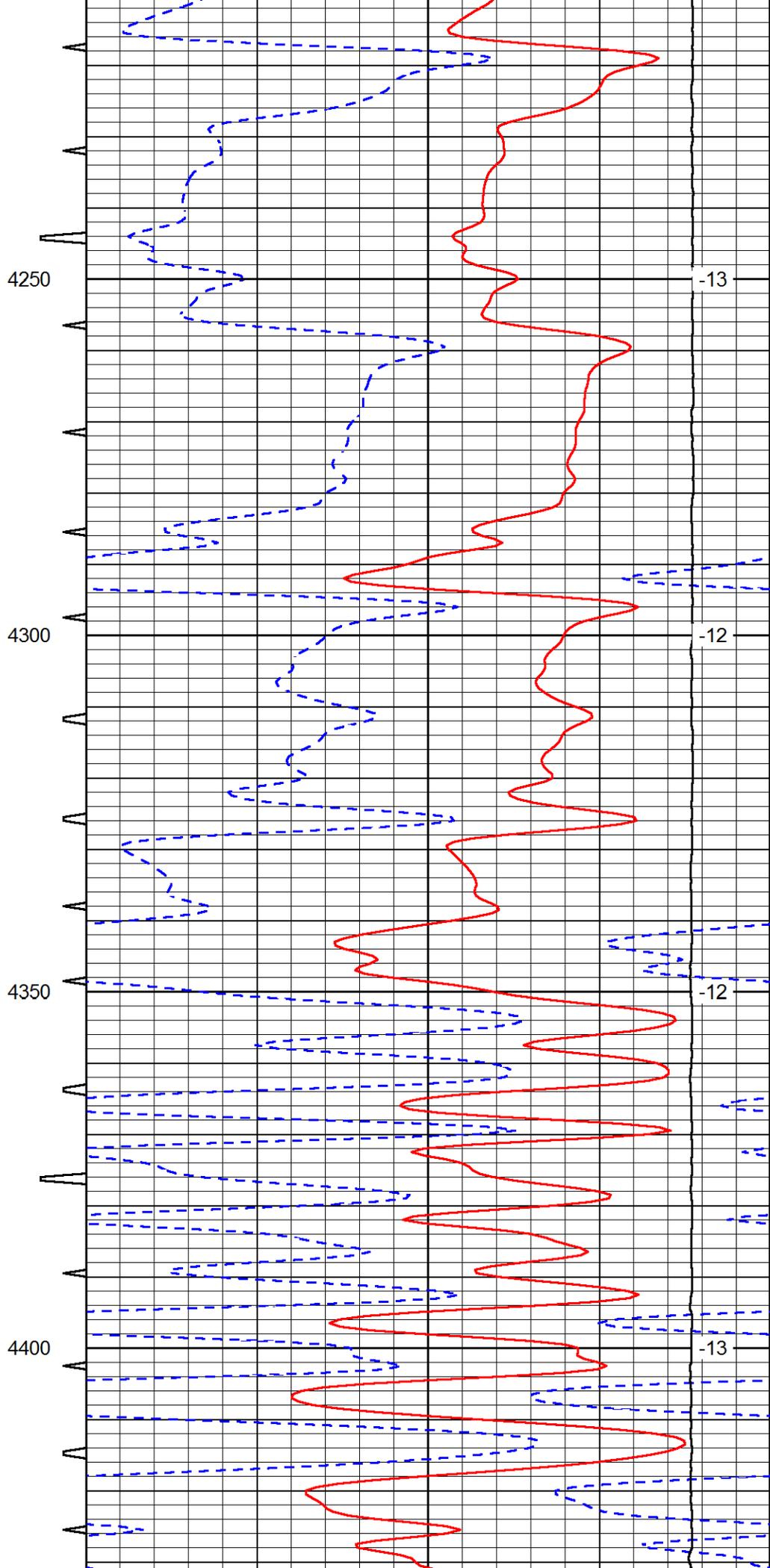
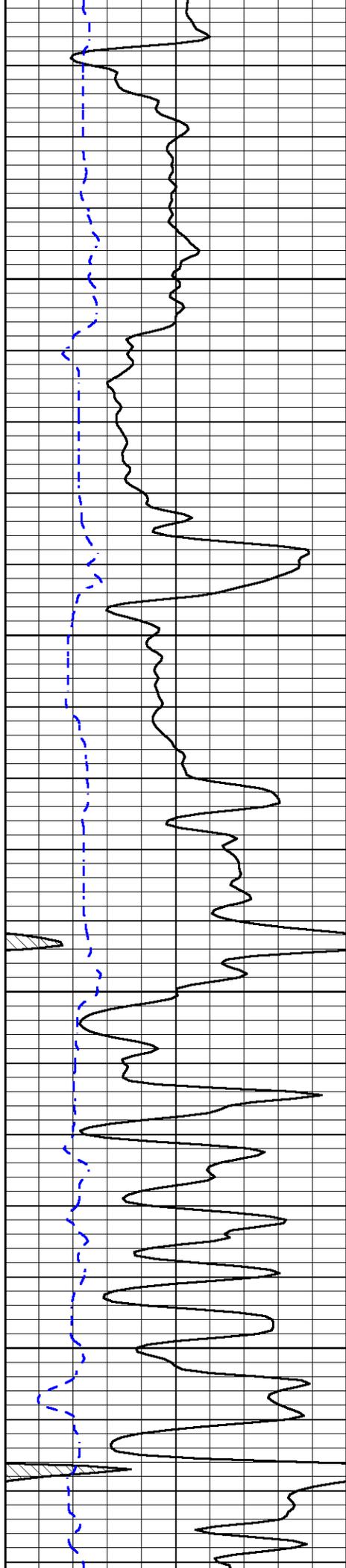
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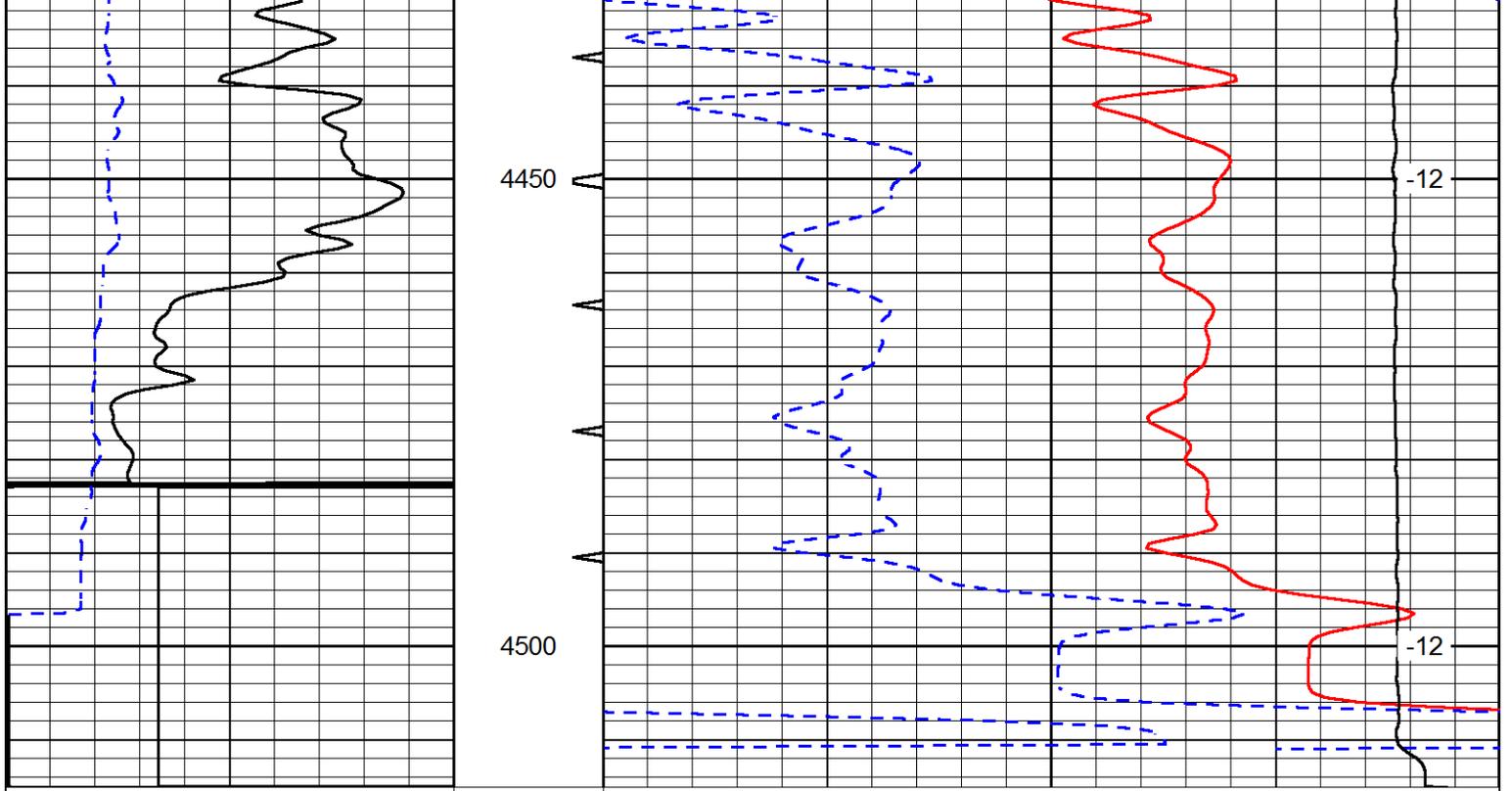












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