PIONEER

Pioneer Energy Services

Borehole Compensated Sonic Log

API No. 15-159-22793-00-00

Company American Warrior, Inc.

Well Jean #1-2

Field Geneseo-Edwards

County Rice State Kansas

Location NE SW SE SW
338' FSL / 1765' FWL
Sec: 2 Twp: 18S Rge: 8W

Other Services
CNL/CDL
MEL/DIL

Elevation
K.B. 1784
D.F.
G.L. 1776

Permanent Datum	Ground Level
Log Measured From	Kelly Bushing 8 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing
Date	8/29/2014
Run Number	Two
Type Log	BHC Sonic
Depth Driller	3365
Depth Logger	3366
Bottom Logged Interval	3355
Top Logged Interval	400
Type Fluid In Hole	Chemical
Salinity, PPM CL	4200
Density	8.9
Level	Full
Max. Rec. Temp. F	110
Operating Rig Time	5 Hours
Equipment -- Location	108 Hays
Recorded By	R. Barnhart
Witnessed By	Jim Musgrove

Borehole Record

Run No.	Bit	From	To
One	12.25	00	413
Two	7.875	413	TD

Casing Record

Size	Wgt.	From	To
8.625	23#	00	413

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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.

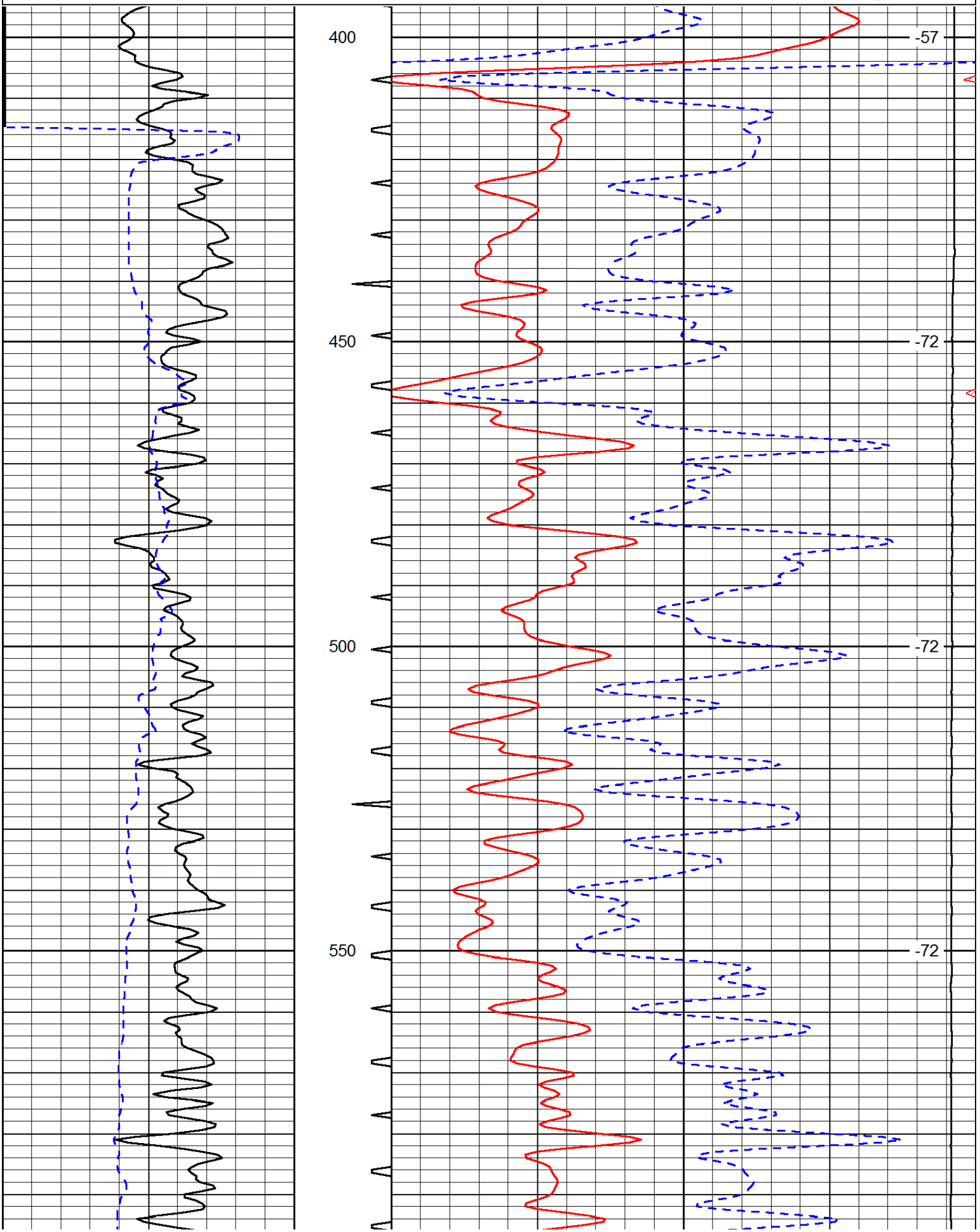
Comments

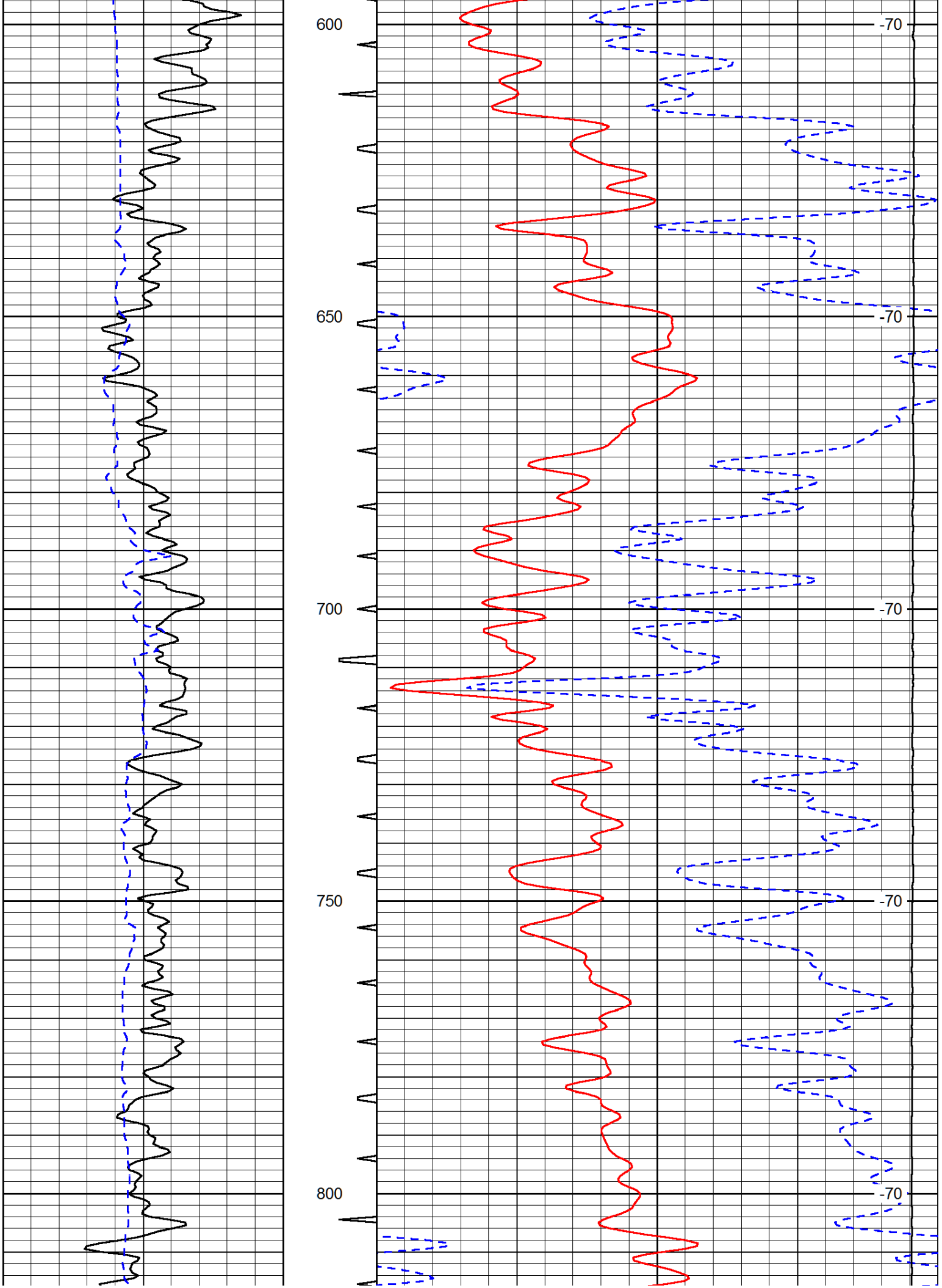
Thank you for using Log-Tech, Inc.
(785) 625-3858

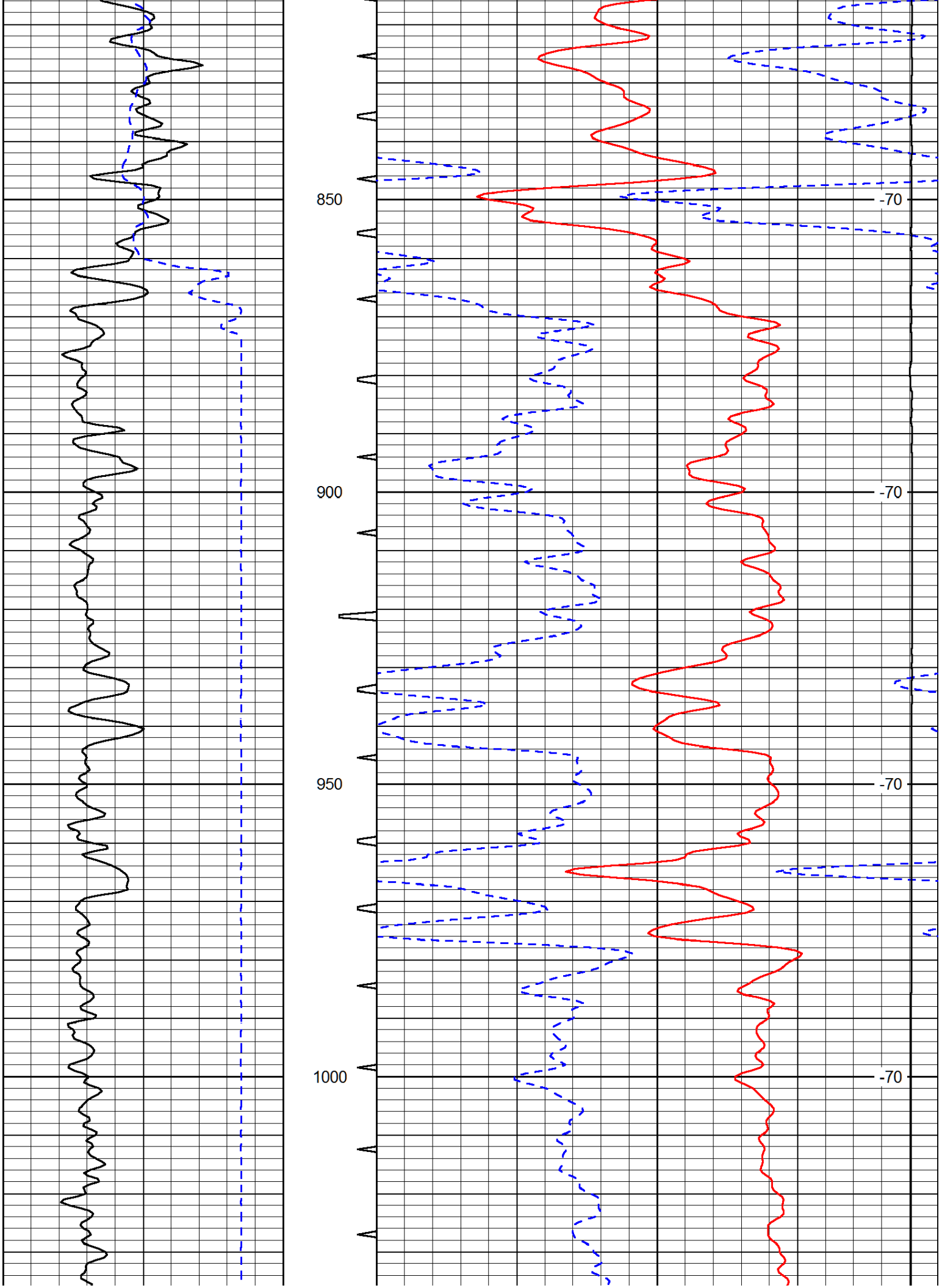
Geneseo, KS:
Hwy 4 & 14: 1/2S, 1 1/2E, N into

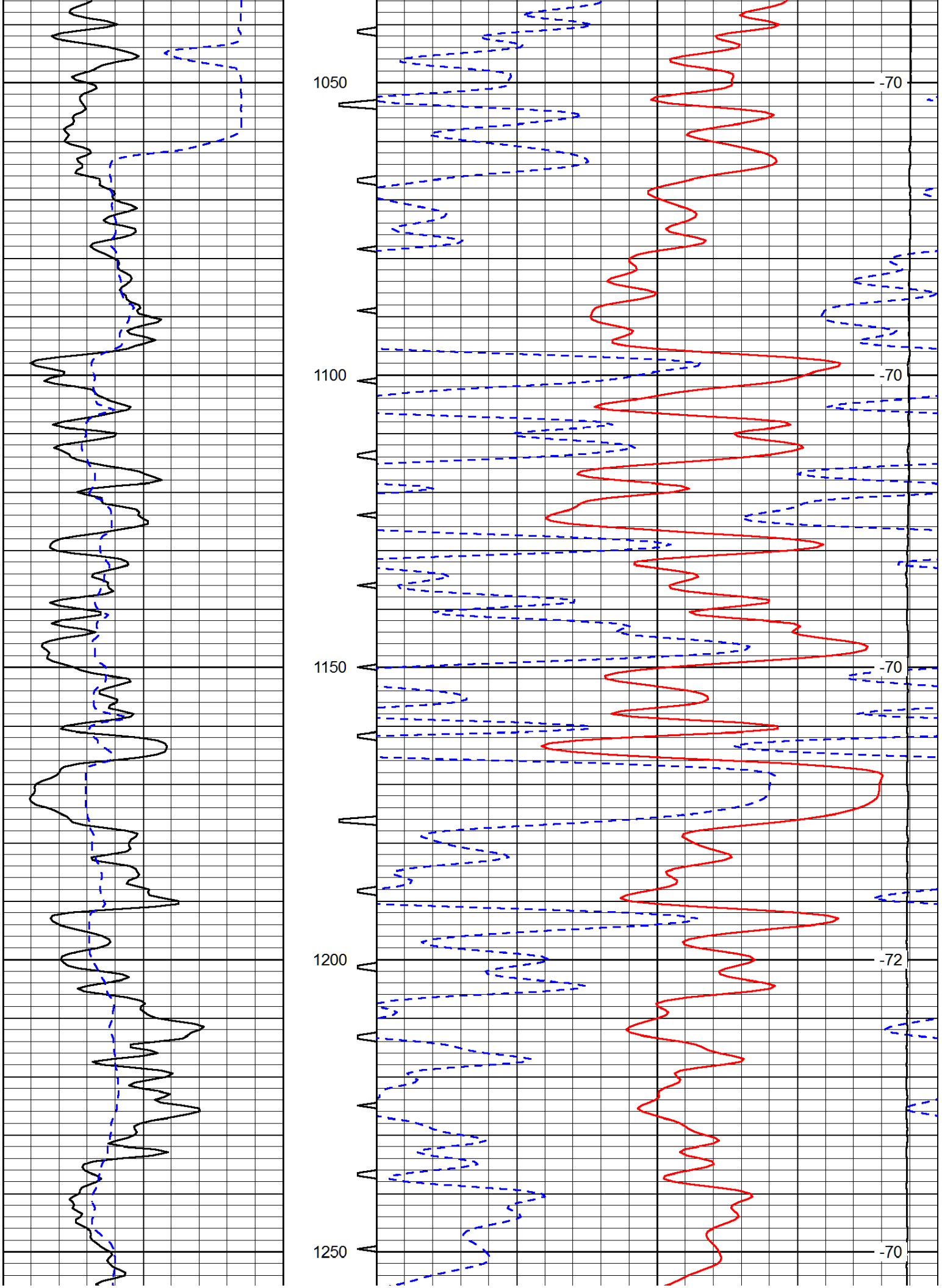
Database File:	amwar_jhd.db
Dataset Pathname:	dil/ammain
Presentation Format:	sonic
Dataset Creation:	Fri Aug 29 09:04:17 2014
Charted by:	Depth in Feet scaled 1:240

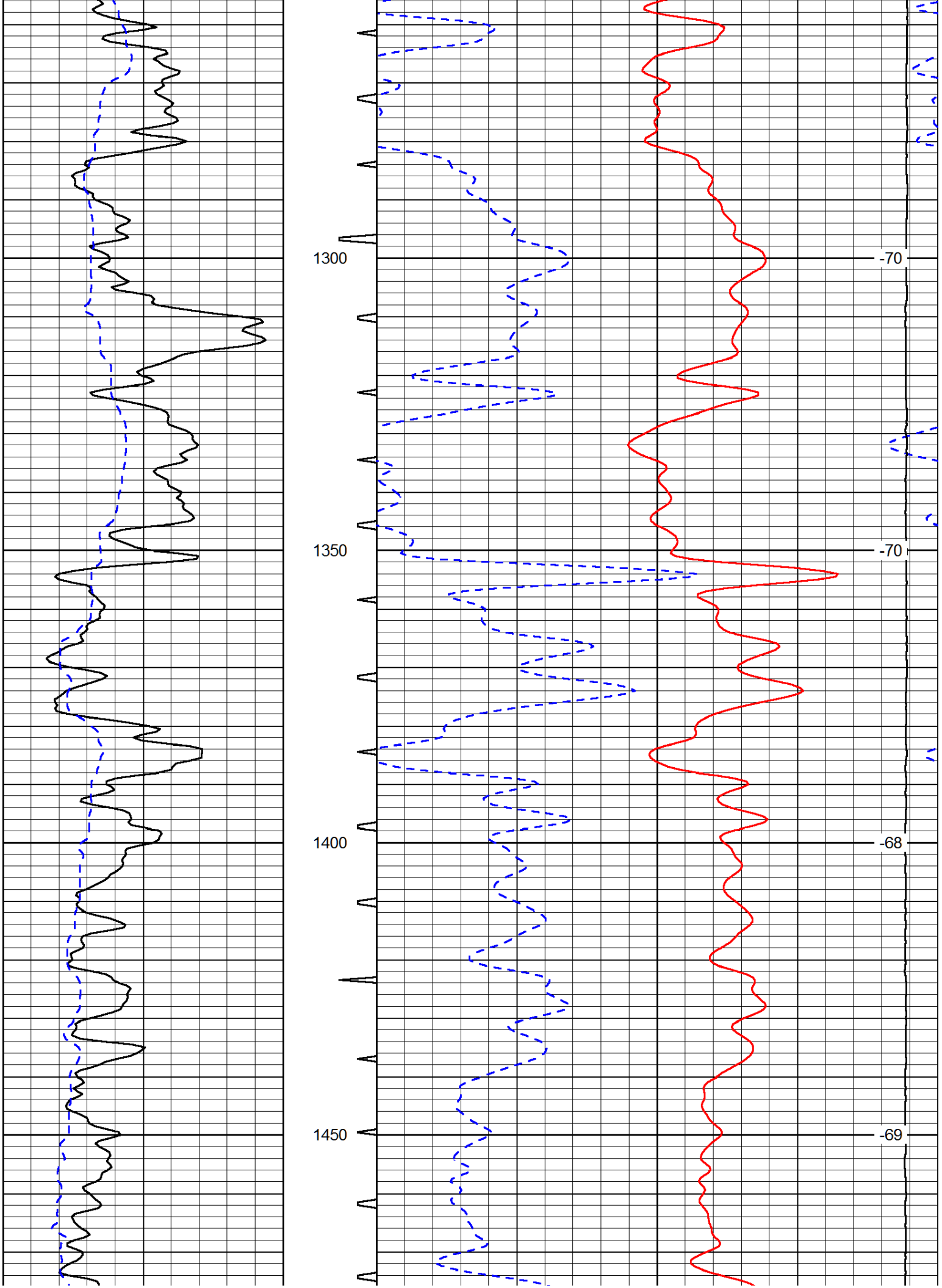
0	Gamma Ray	150	Sonic Int	140	Delta Time (usec/ft)	40	
150	Gamma Ray	300	5 0	30	Sonic Porosity	-10	
6	dCAL (GAPI)	16		15000	LTEN (lb)	0	
							LSPD

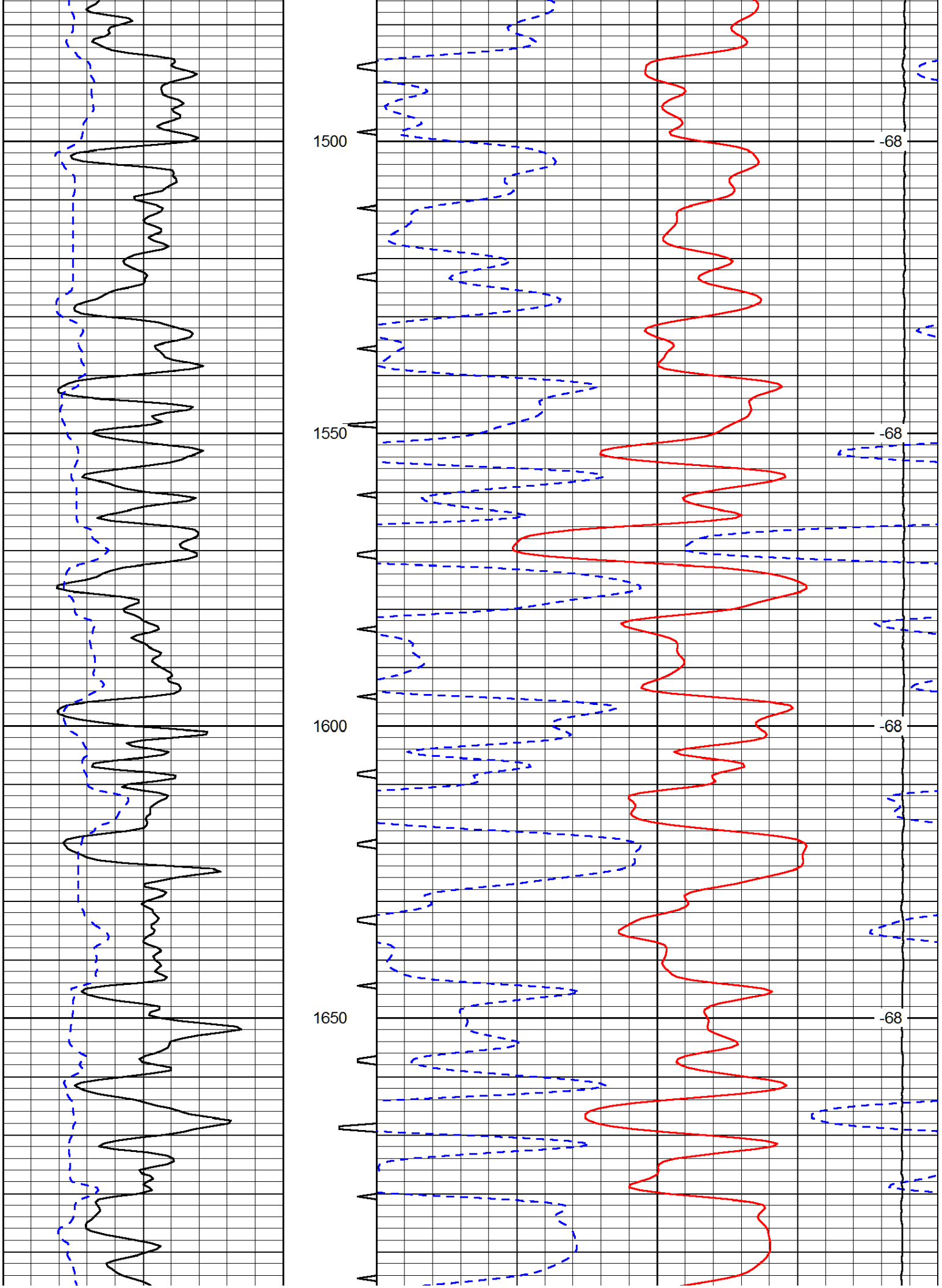


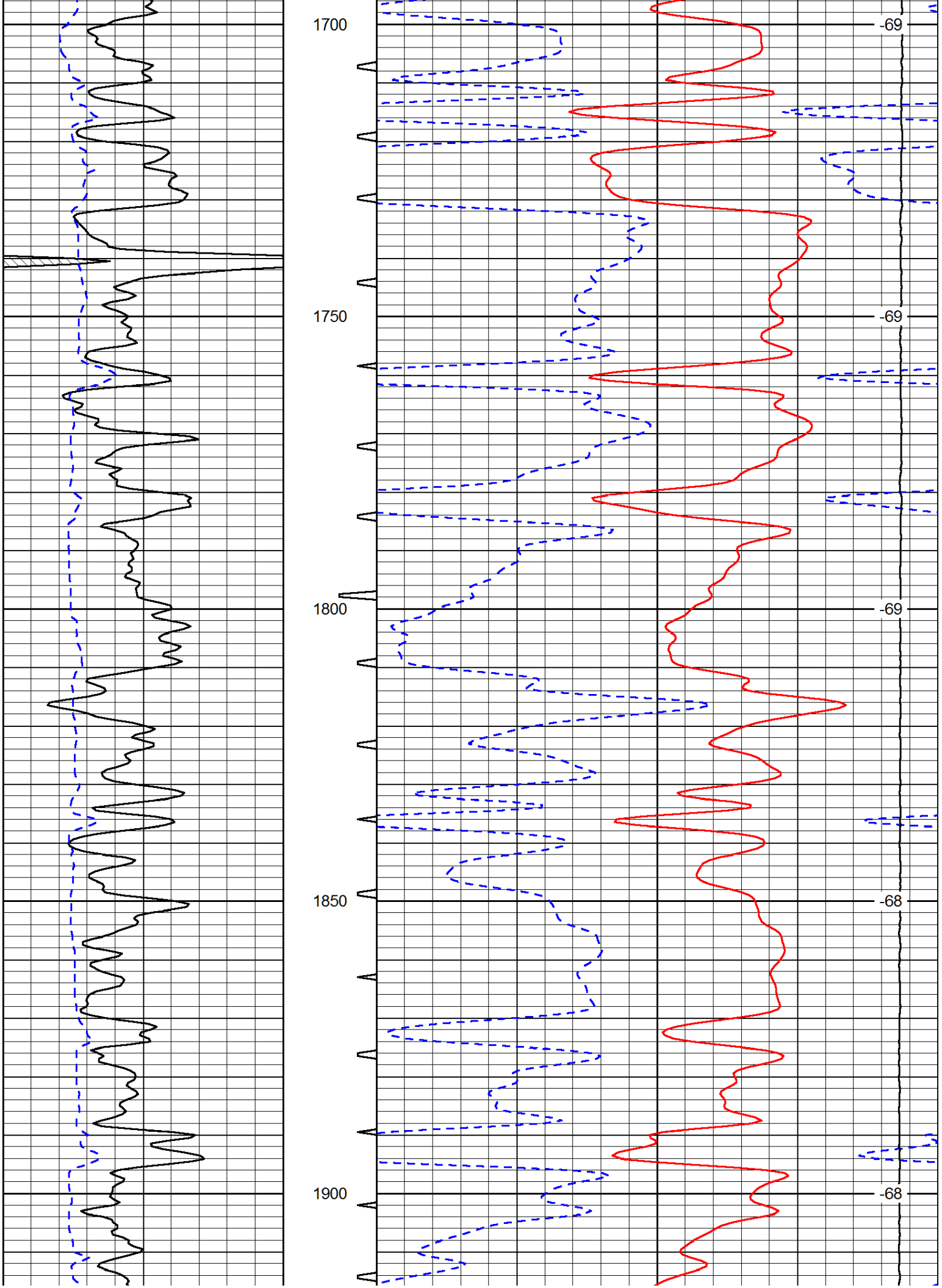

600
650
700
750
800
-70
-70
-70
-70

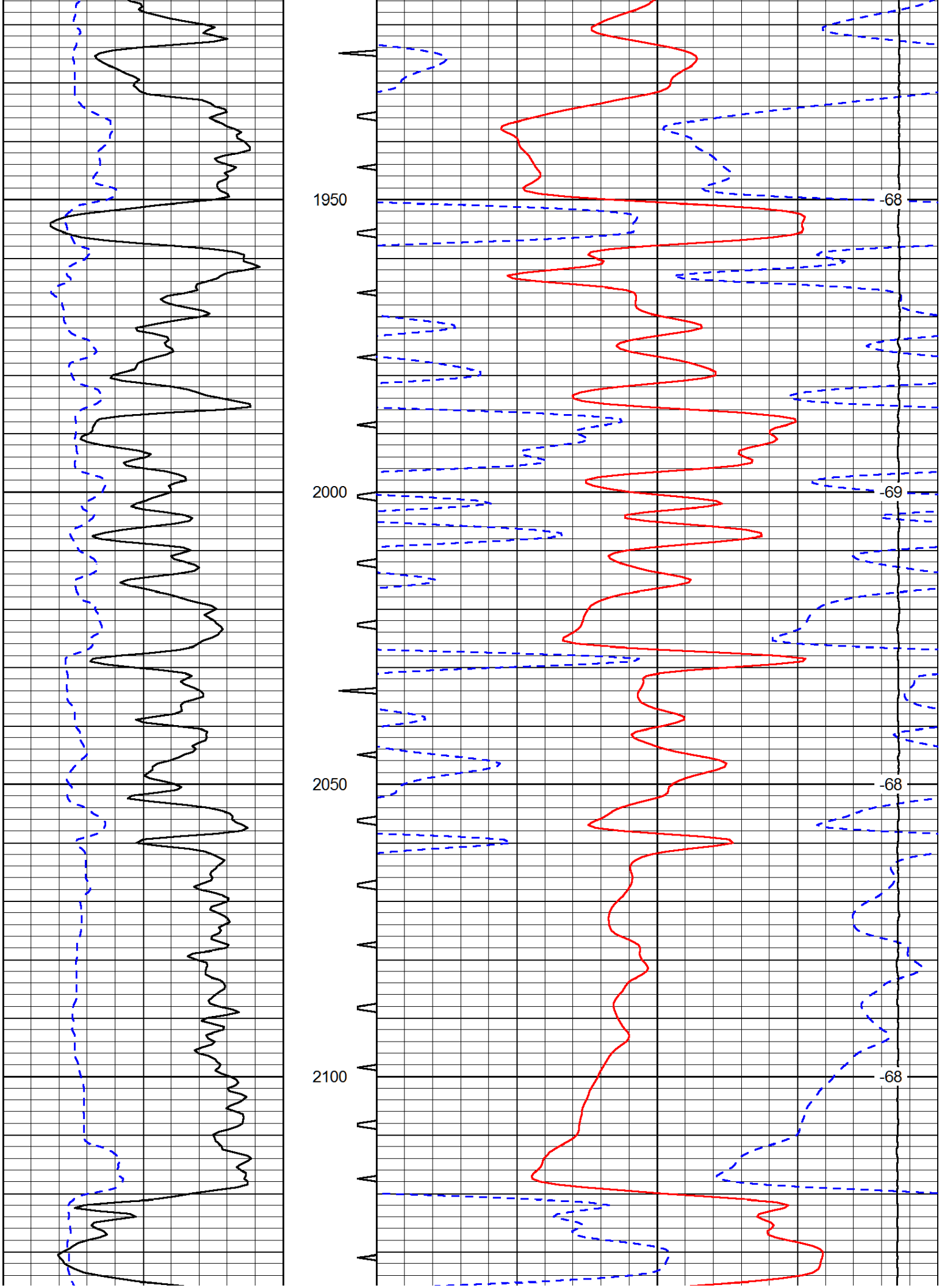

850
900
950
1000
-70
-70
-70

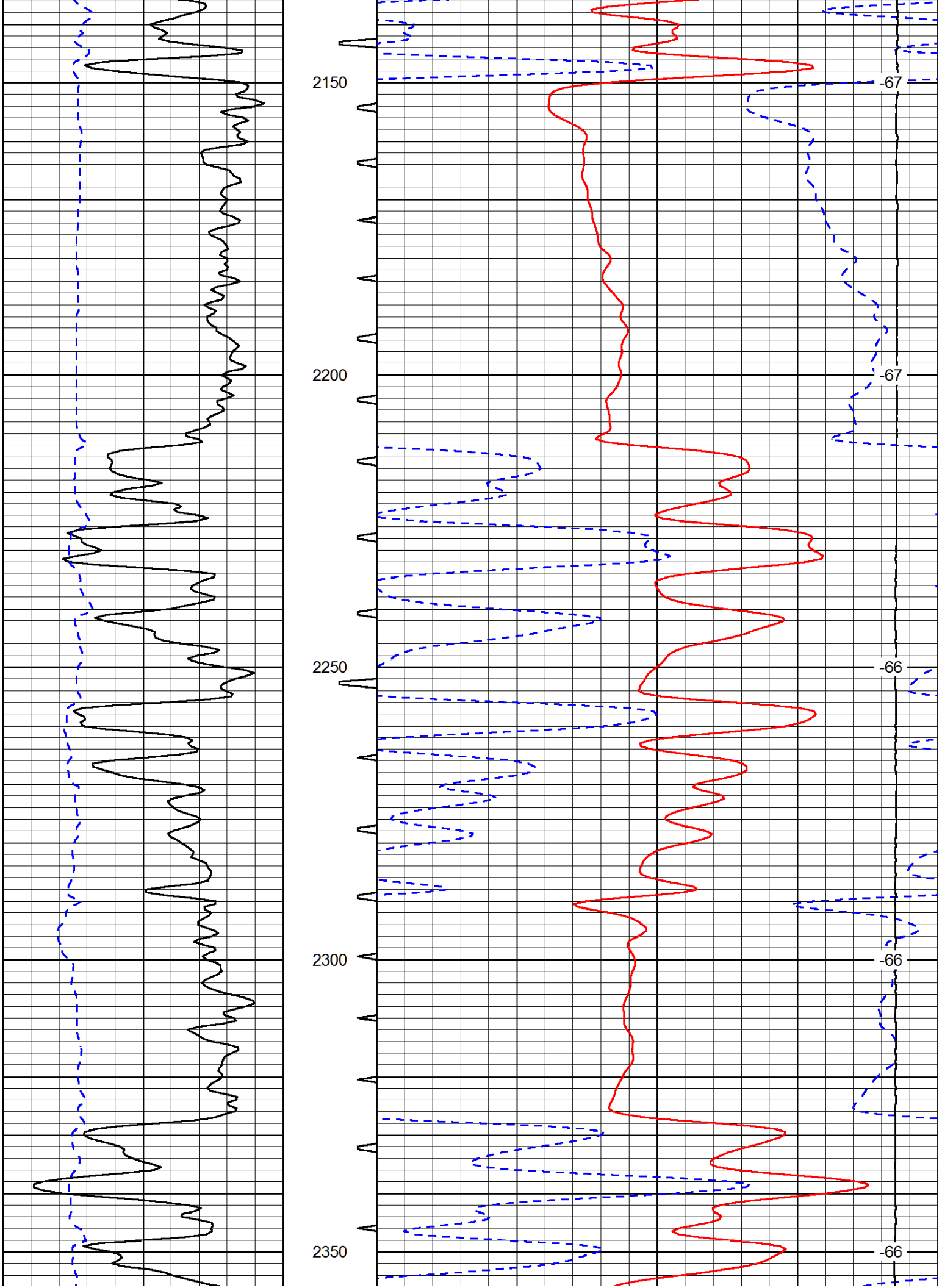

1050
1100
1150
1200
1250
-70
-70
-70
-72
-70

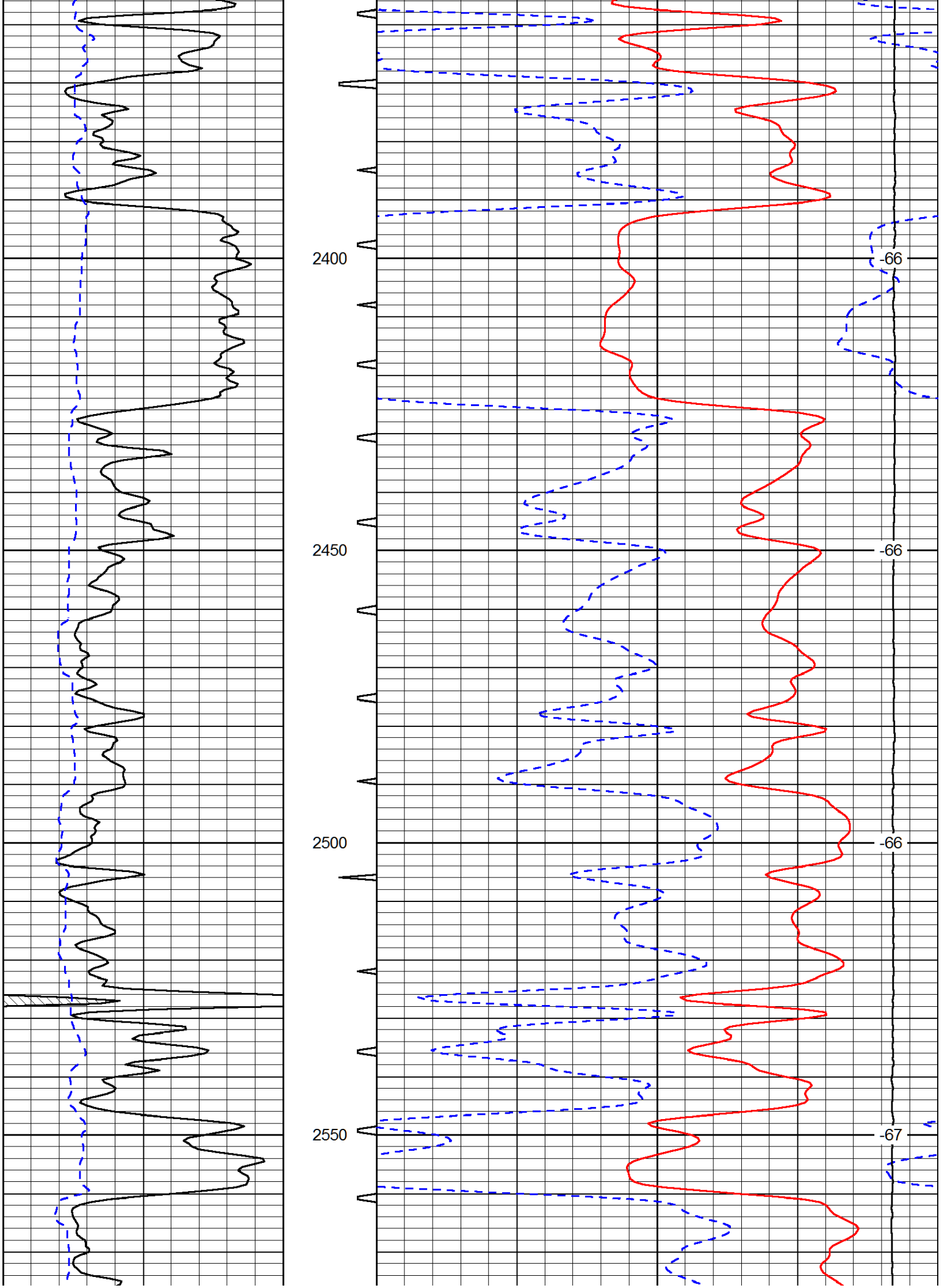

1300
1350
1400
1450
-70
-70
-68
-69

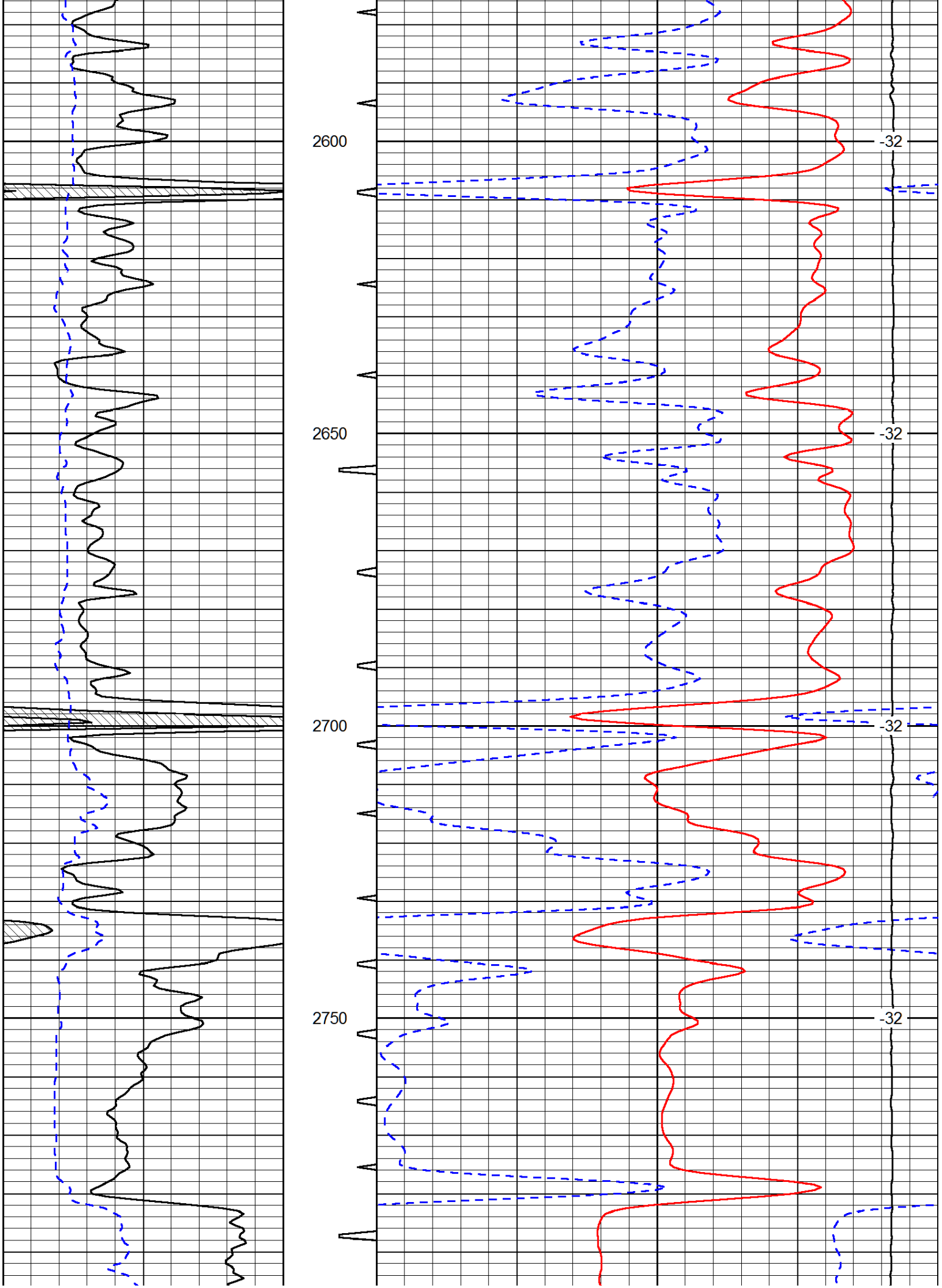

1500
1550
1600
1650
-68
-68
-68

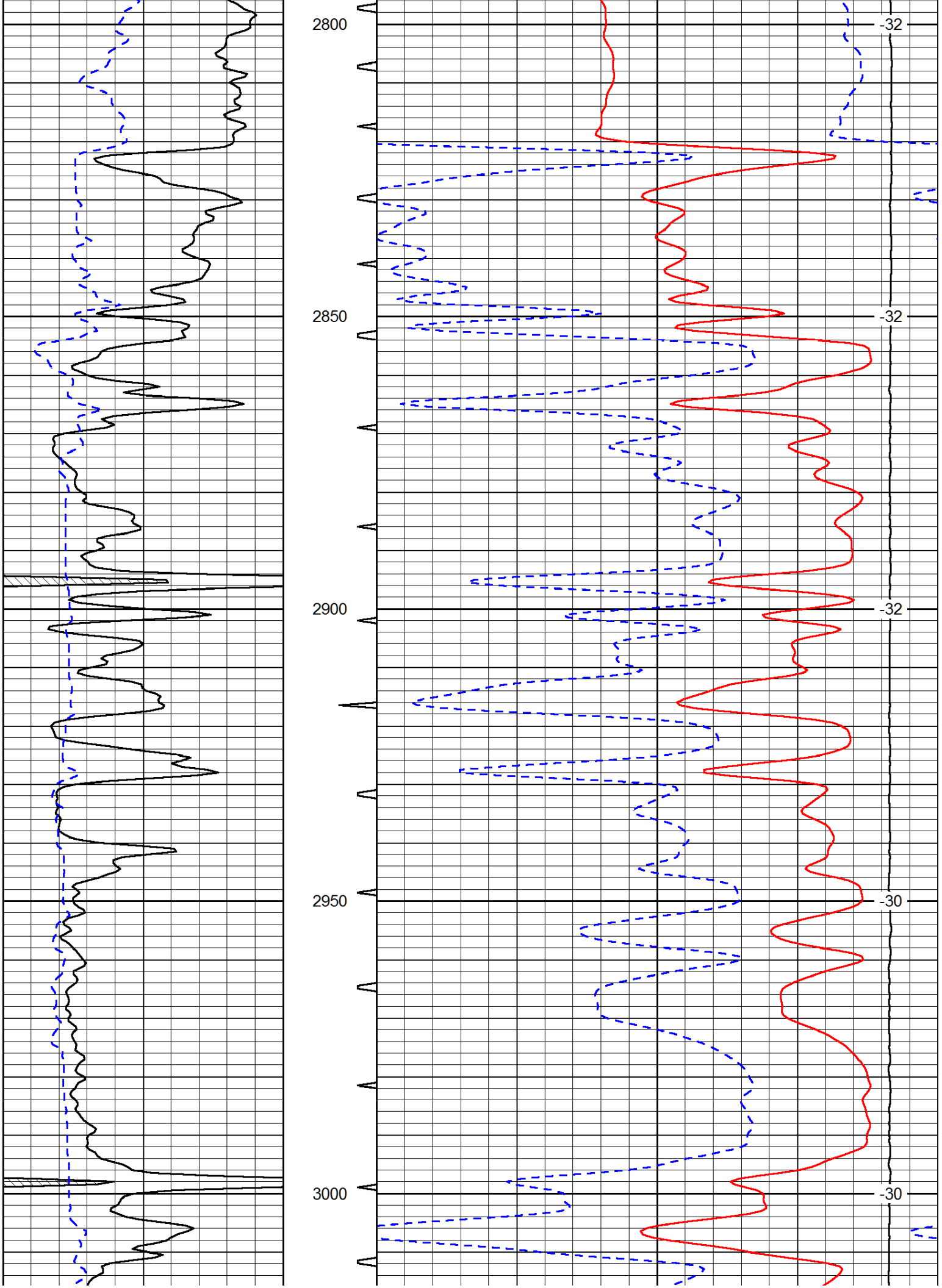

1700
1750
1800
1850
1900
-69
-69
-69
-68
-68

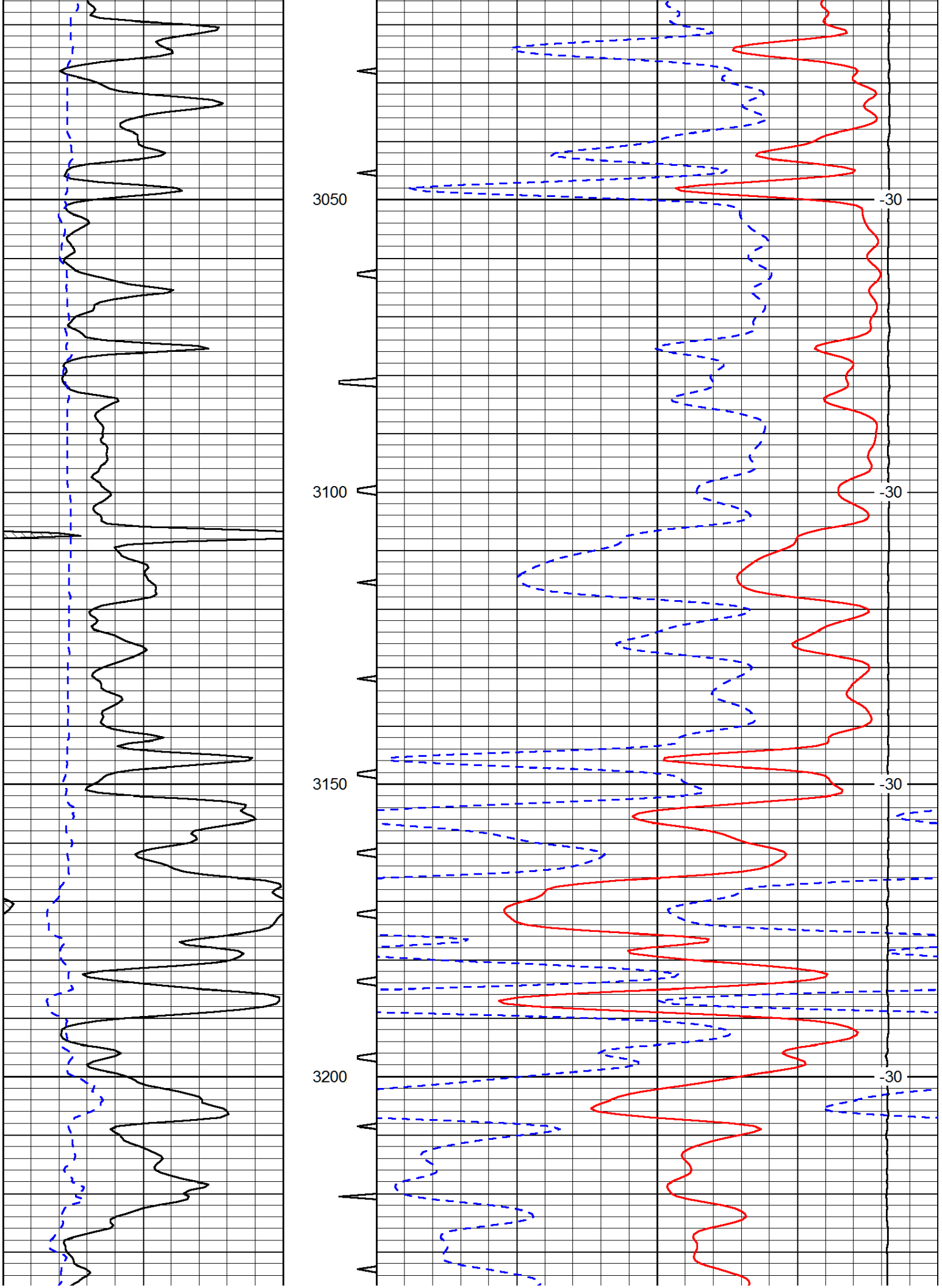

1950
2000
2050
2100
-68
-69
-68
-68

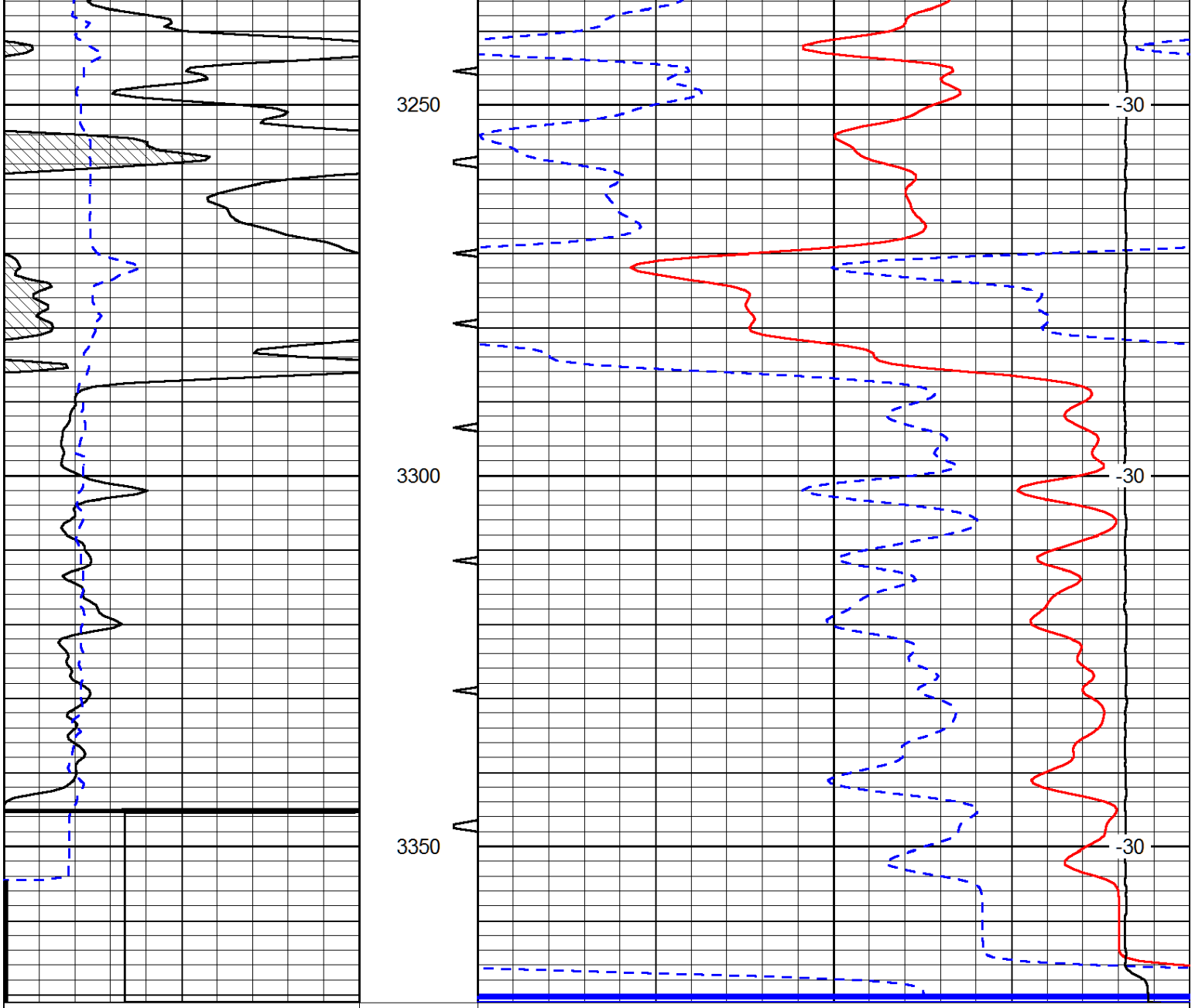

2150
2200
2250
2300
2350
-67
-67
-66
-66
-66


2400
2450
2500
2550
-66
-66
-66
-67


2600
-32
2650
-32
2700
-32
2750
-32


2800
2850
2900
2950
3000
-32
-32
-32
-30
-30


3050
3100
3150
3200
-30
-30
-30



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