LOG-TECH

DIGITAL LOG (785) 625-3858

Borehole Compensated Sonic Log

API No. 15-167-23,580-00-00

Company JAG Operating, Inc.

Well Brungardt #1

Field Gorham Northwest

County Russell State Kansas

Location
NW NE SE NW
1,330' FNL & 2,270' FWL
Sec: 14 Twp: 13S Rge: 15W

Other Services
CNL / CDL
MEL / DIL

Elevation
K.B. 1826
D.F.
G.L. 1817

Permanent Datum	Ground Level
Log Measured From	Kelly Bushing 9 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing
Date	7/26/2009
Run Number	Two
Type Log	BHC Sonic
Depth Driller	3340
Depth Logger	3346
Bottom Logged Interval	3335
Top Logged Interval	250
Type Fluid In Hole	Chemical
Salinity, PPM CL	5,000
Density	9.0
Level	Full
Max. Rec. Temp. F	109
Operating Rig Time	4 Hours
Equipment -- Location	17 Hays
Recorded By	T. Martin
Witnessed By	Mike Bair

Elevation 1817

Borehole Record

Run No	Bit	From	To
One	12.25	00	255
Two	7.875	255	TD

Casing Record

Size	Wgt.	From	To
8.625	23#	00	255

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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.

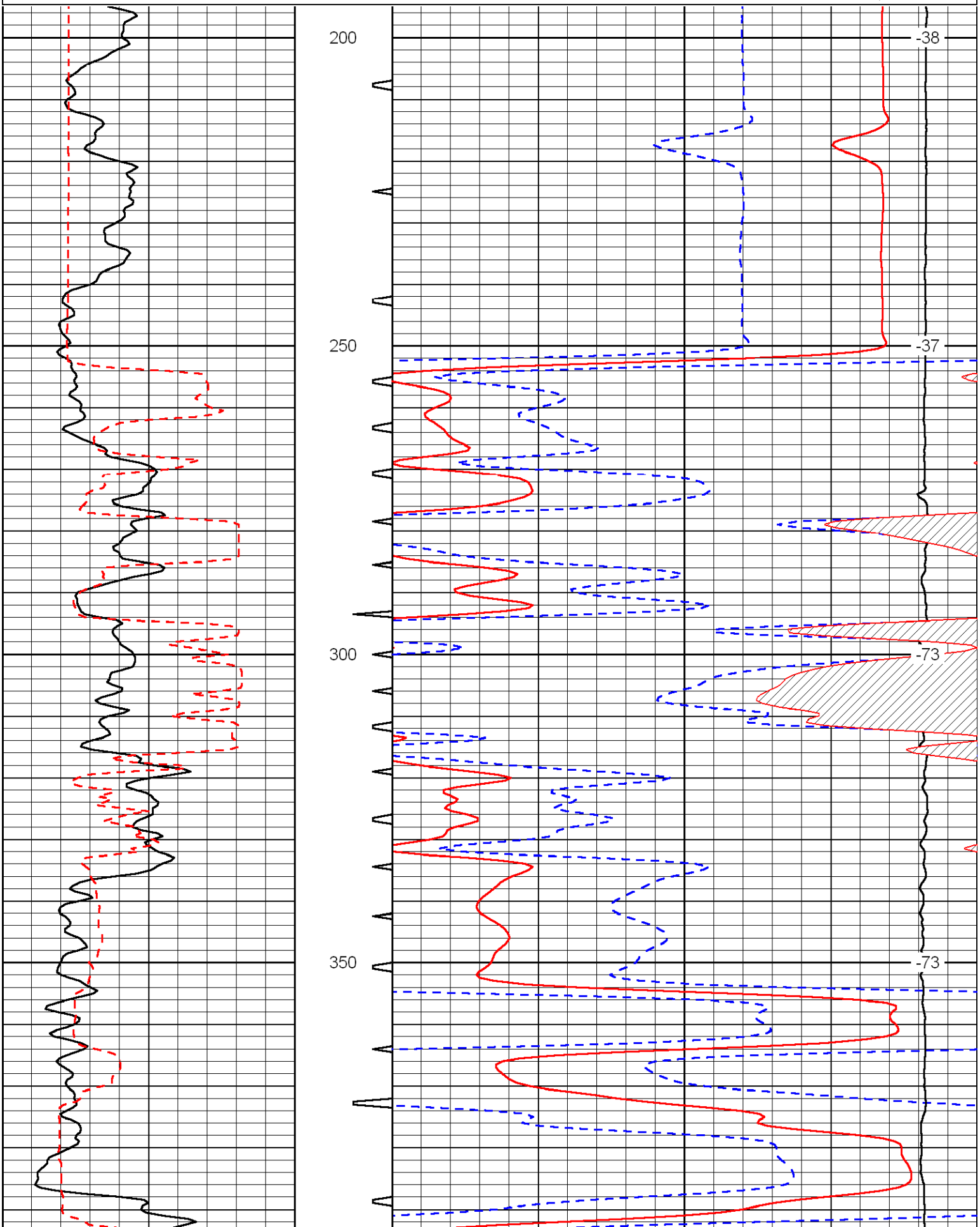
Comments

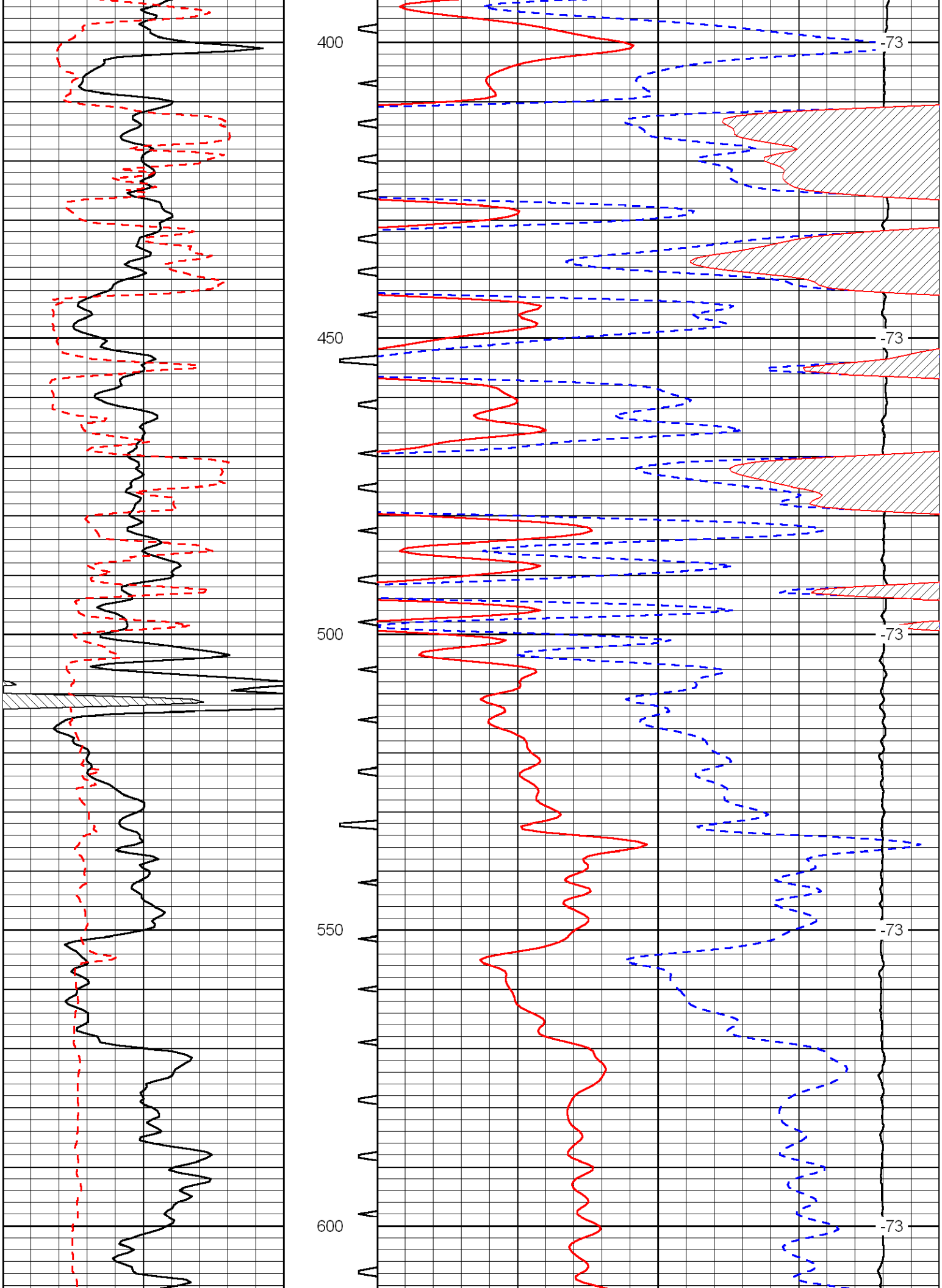
Thank you for using Log-Tech, Inc.
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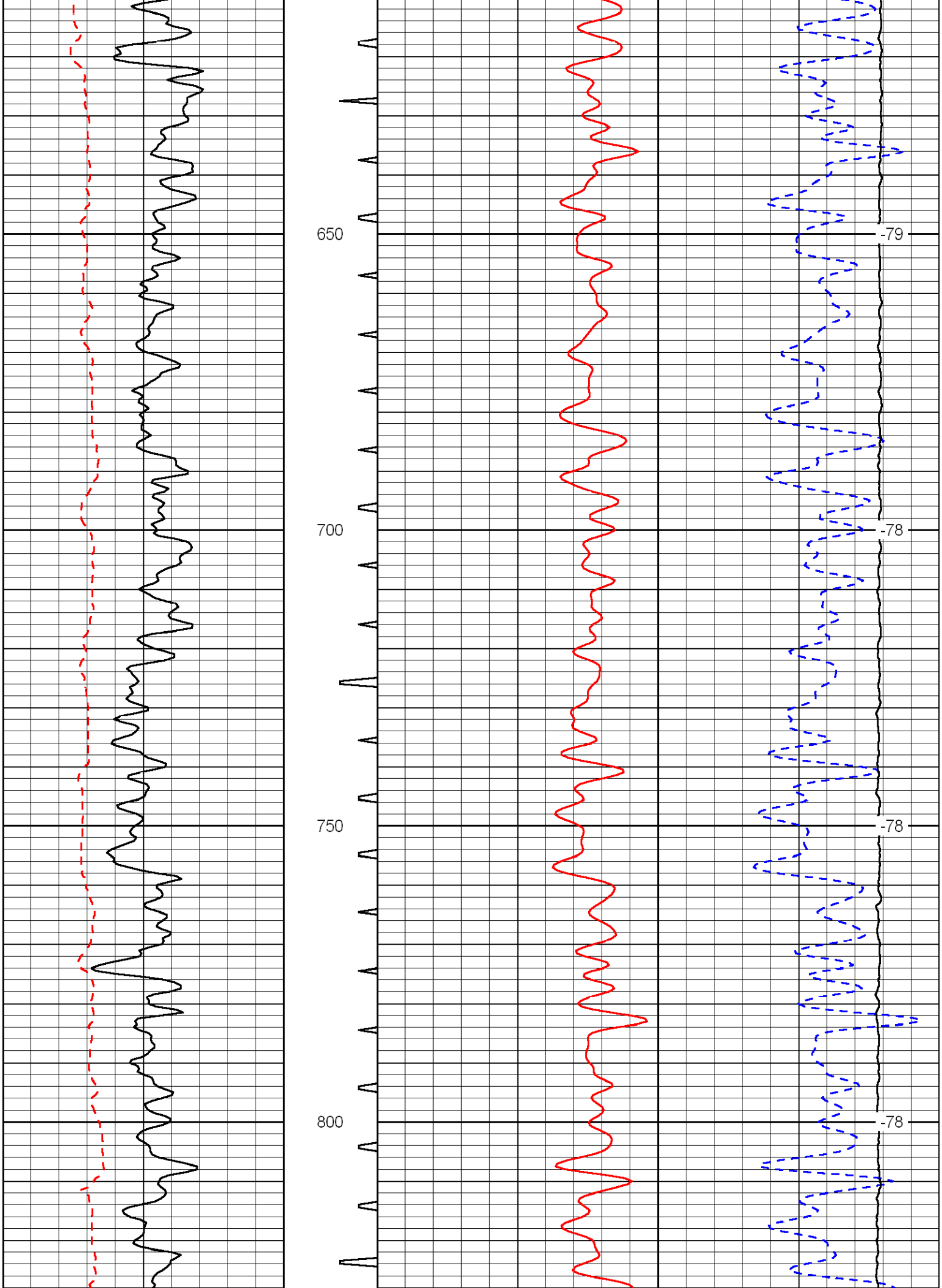
Gorham, 3 East to 279 Rd, 2 North, 1/2 East, North Into

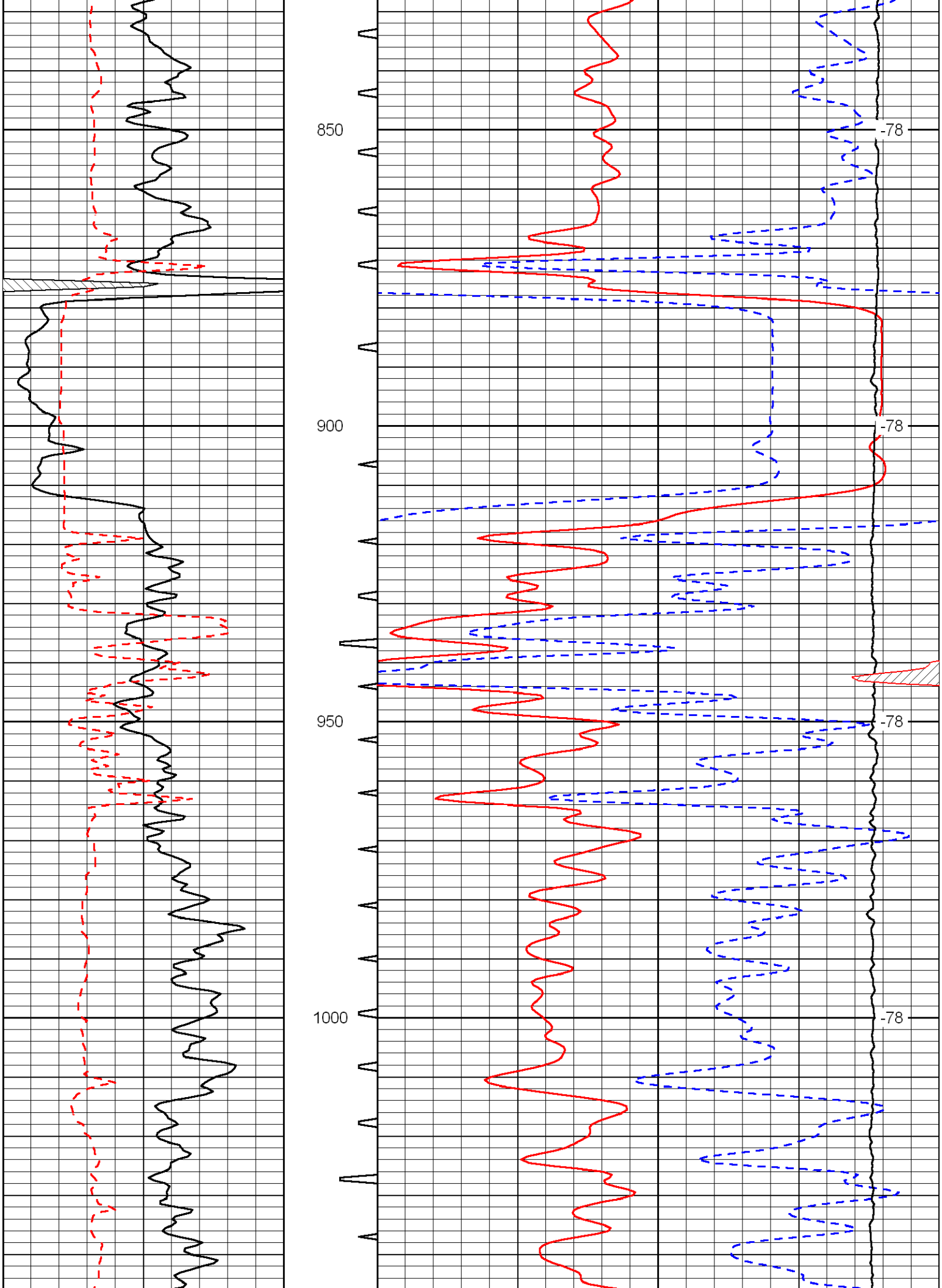
Database File:	jaghd.db
Dataset Pathname:	dil/jagstk
Presentation Format:	sonic
Dataset Creation:	Sun Jul 26 15:54:17 2009
Charted by:	Depth in Feet scaled 1:240

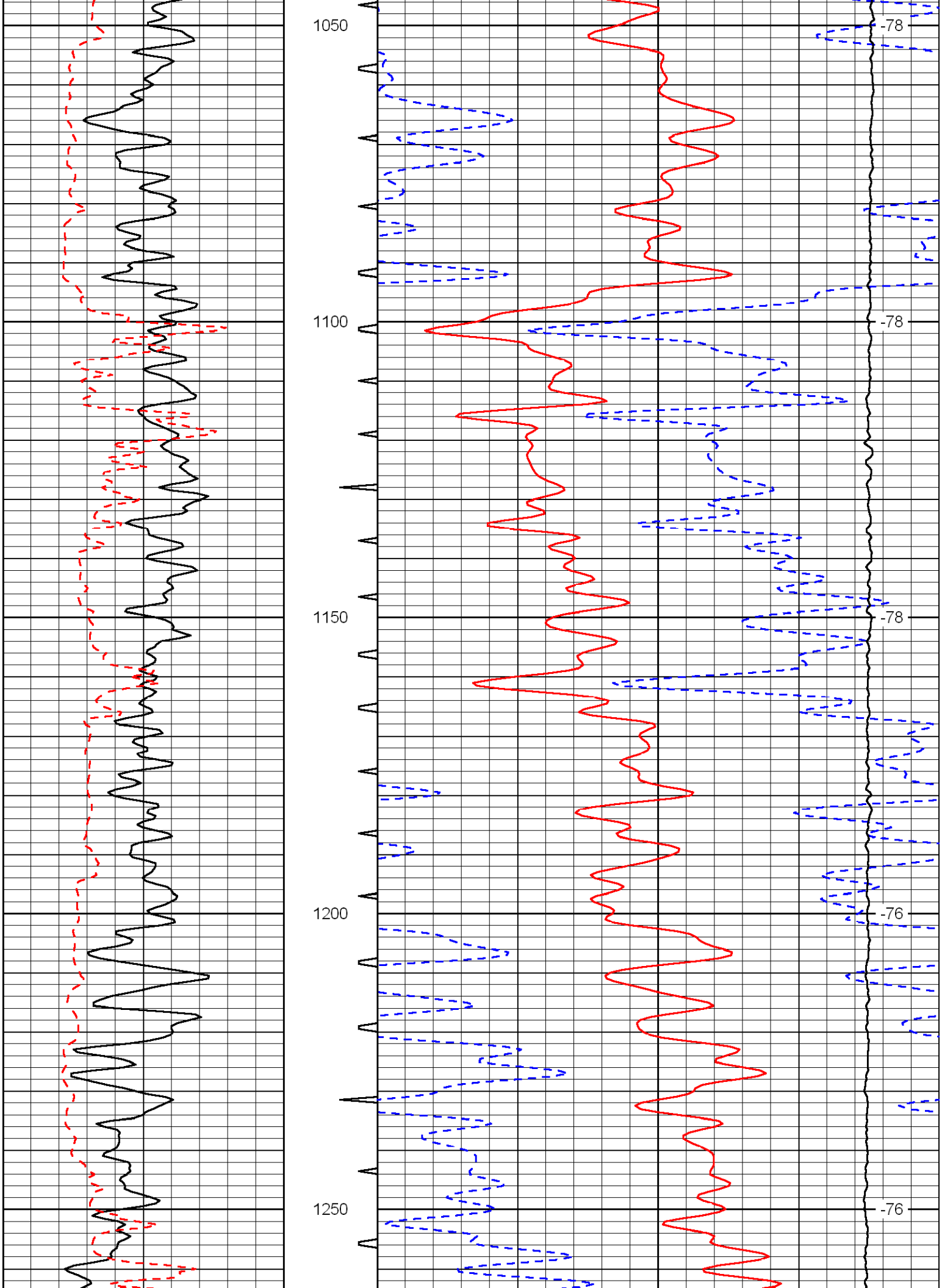
0	Gamma Ray	150	Sonic Int	140	Delta Time (usec/ft)	40	
150	Gamma Ray	300	5 0	30	Sonic Porosity (Limestone)	-10	
6	Caliper (GAPI)	16		10000	LTEN (lb)	0	
							LSPD

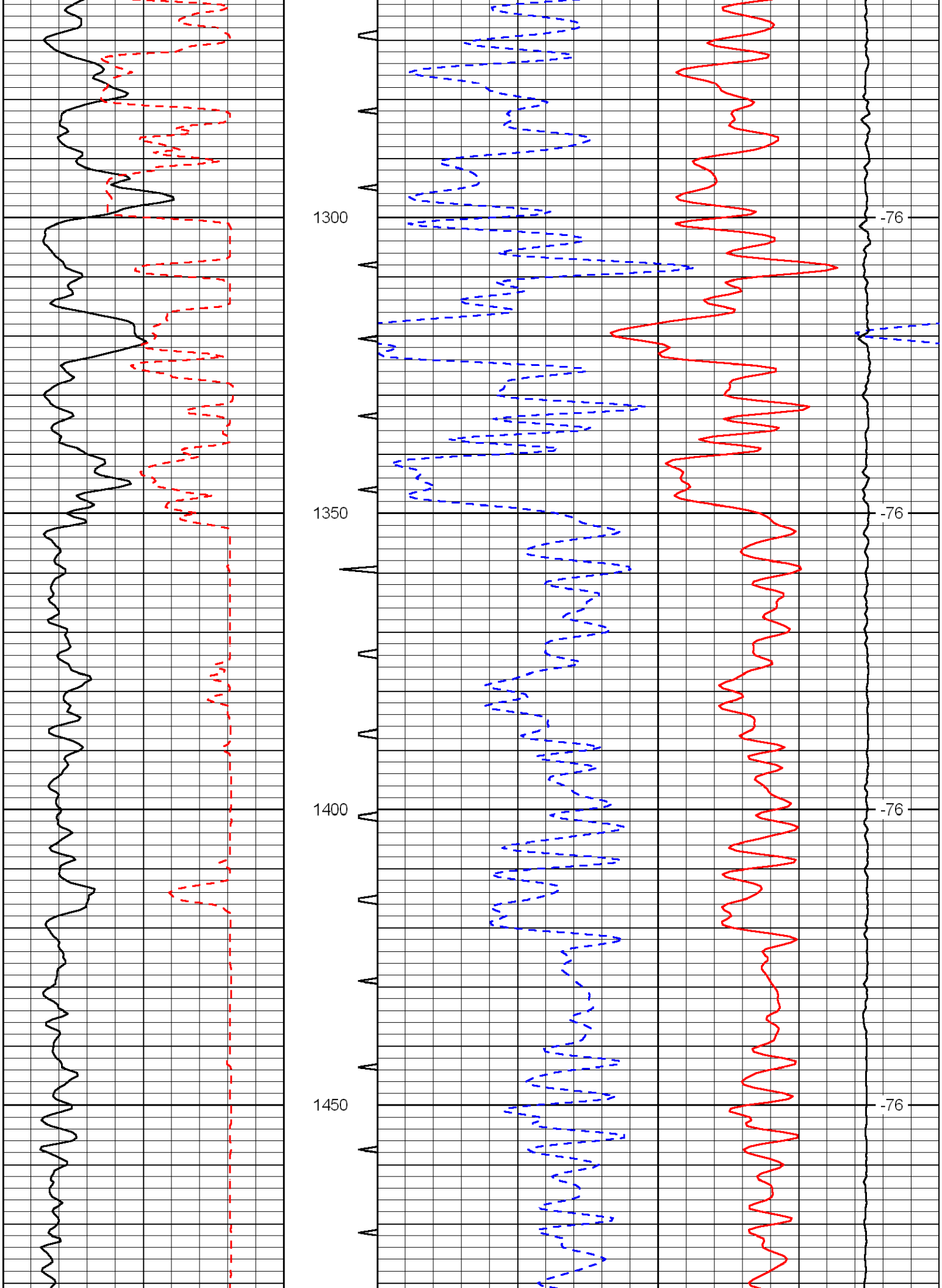


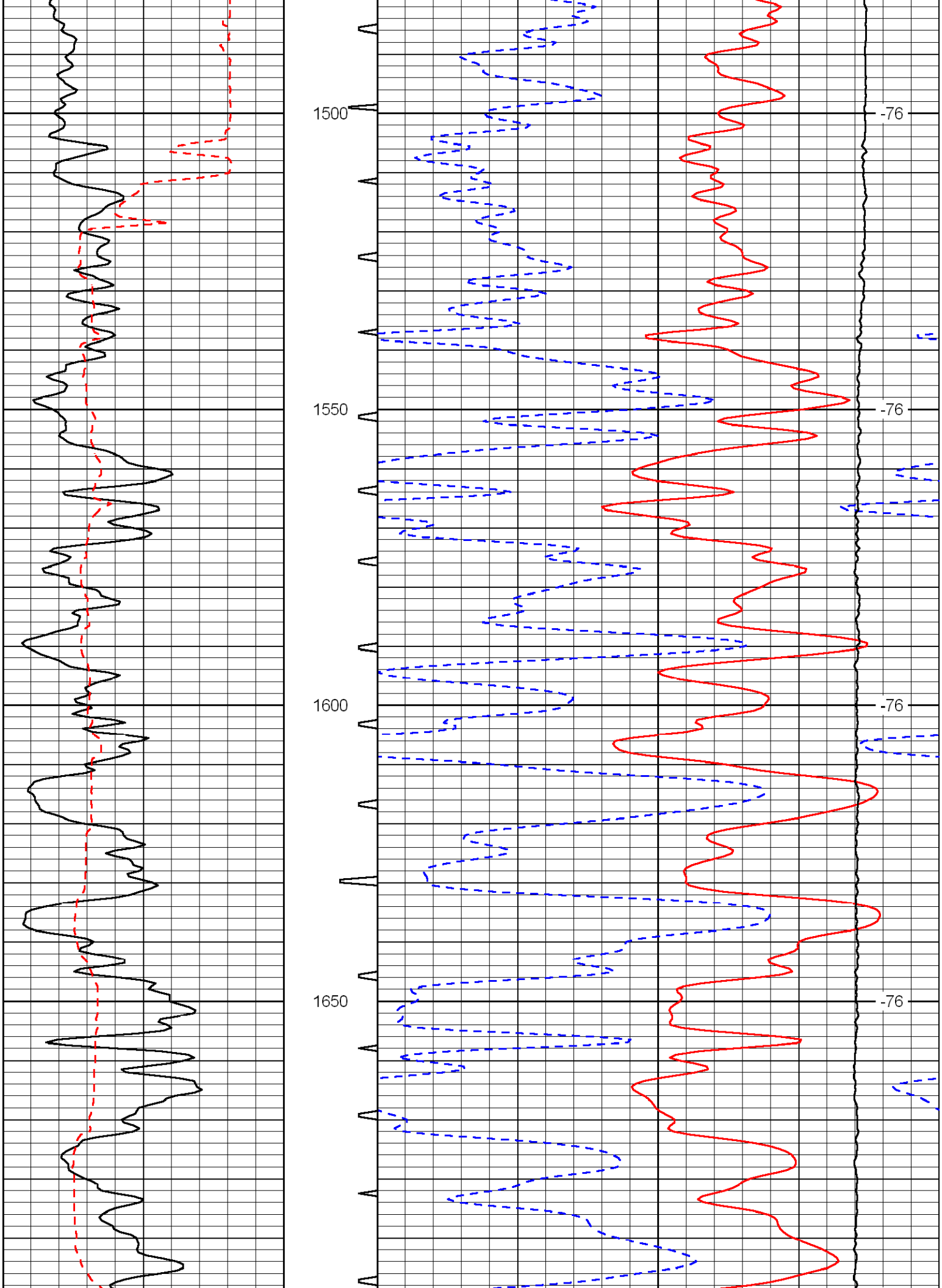

400
450
500
550
600
-73
-73
-73
-73

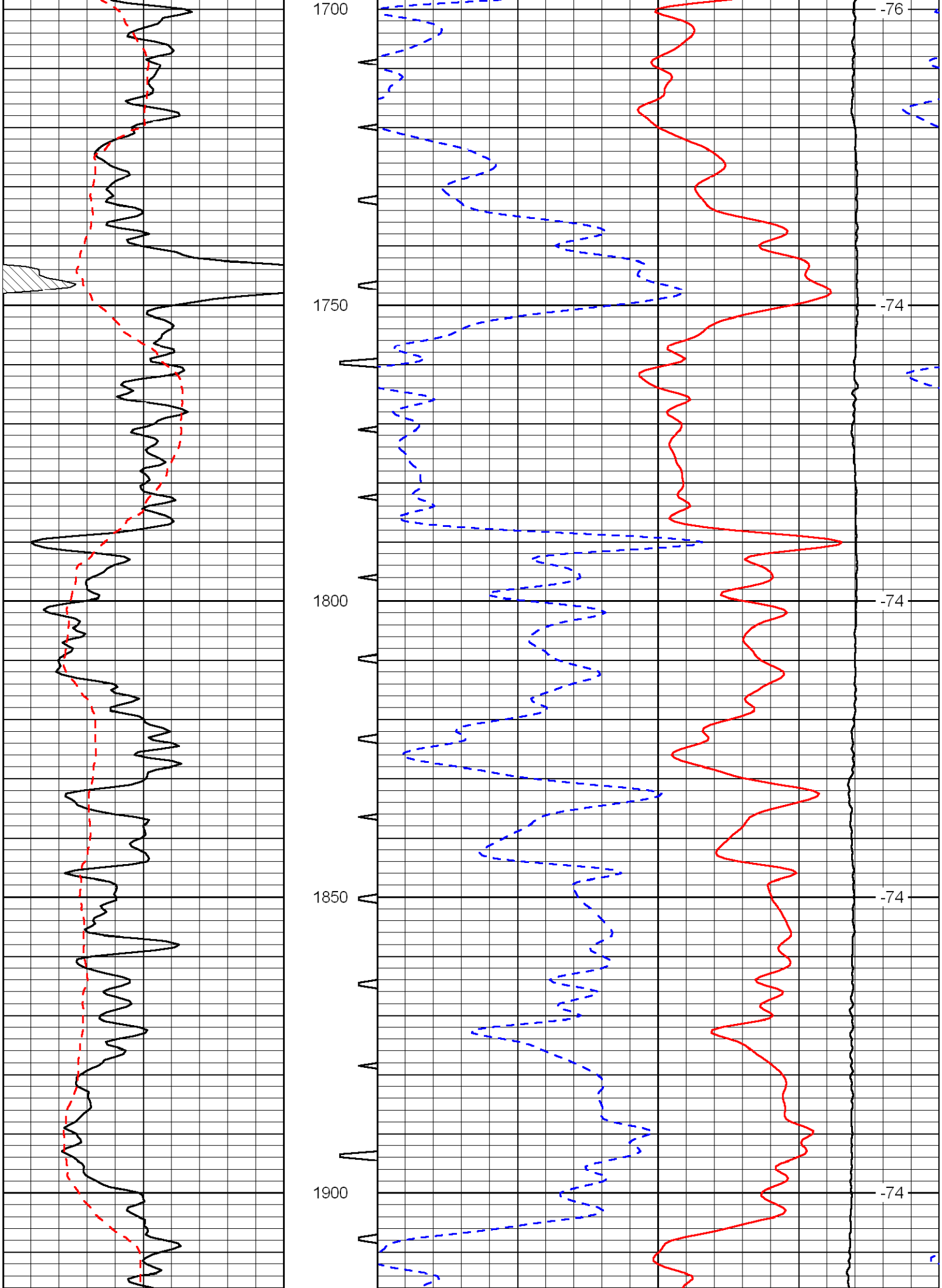

650
700
750
800
-79
-78
-78
-78

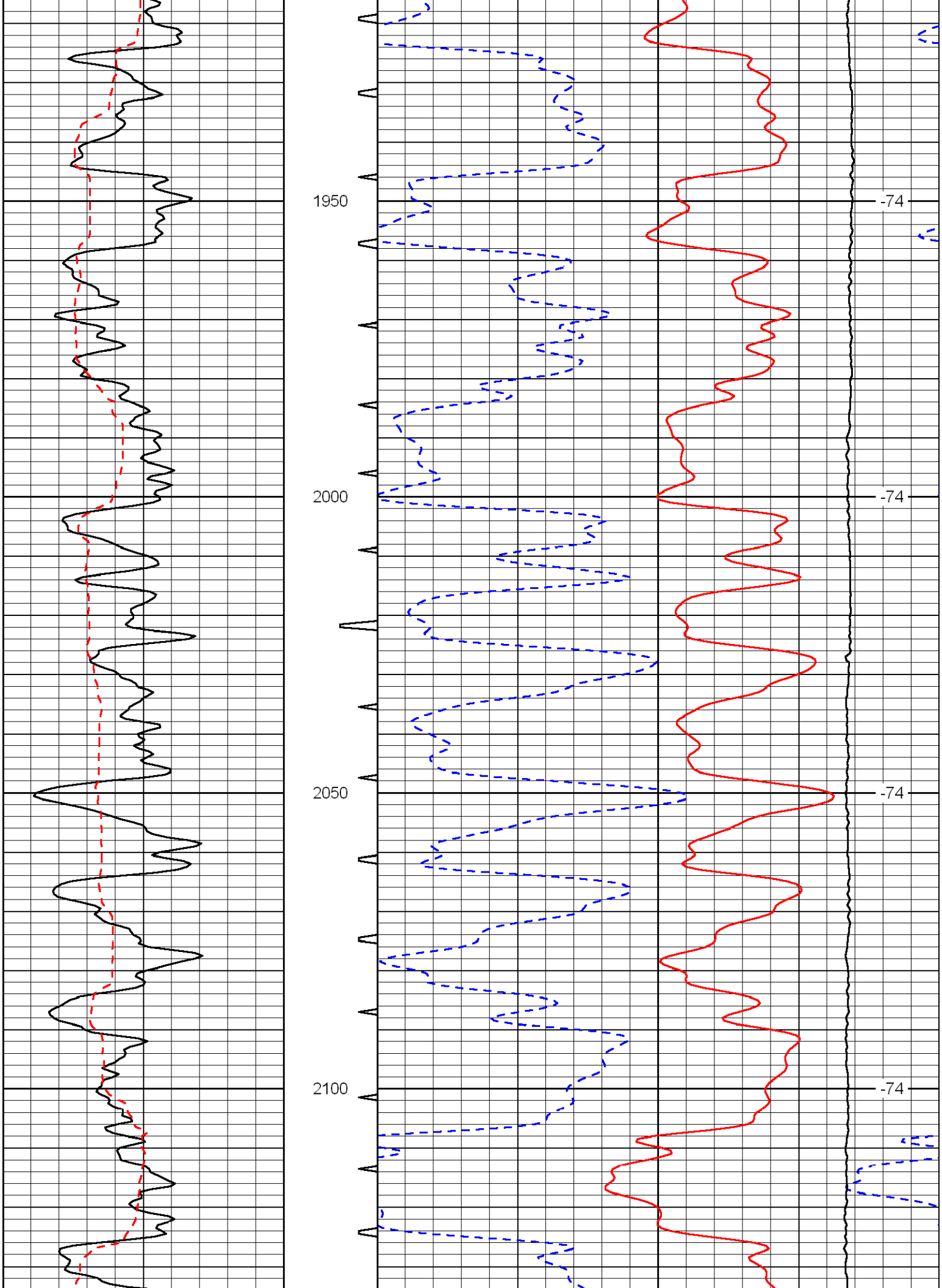

850
900
950
1000
-78
-78
-78
-78

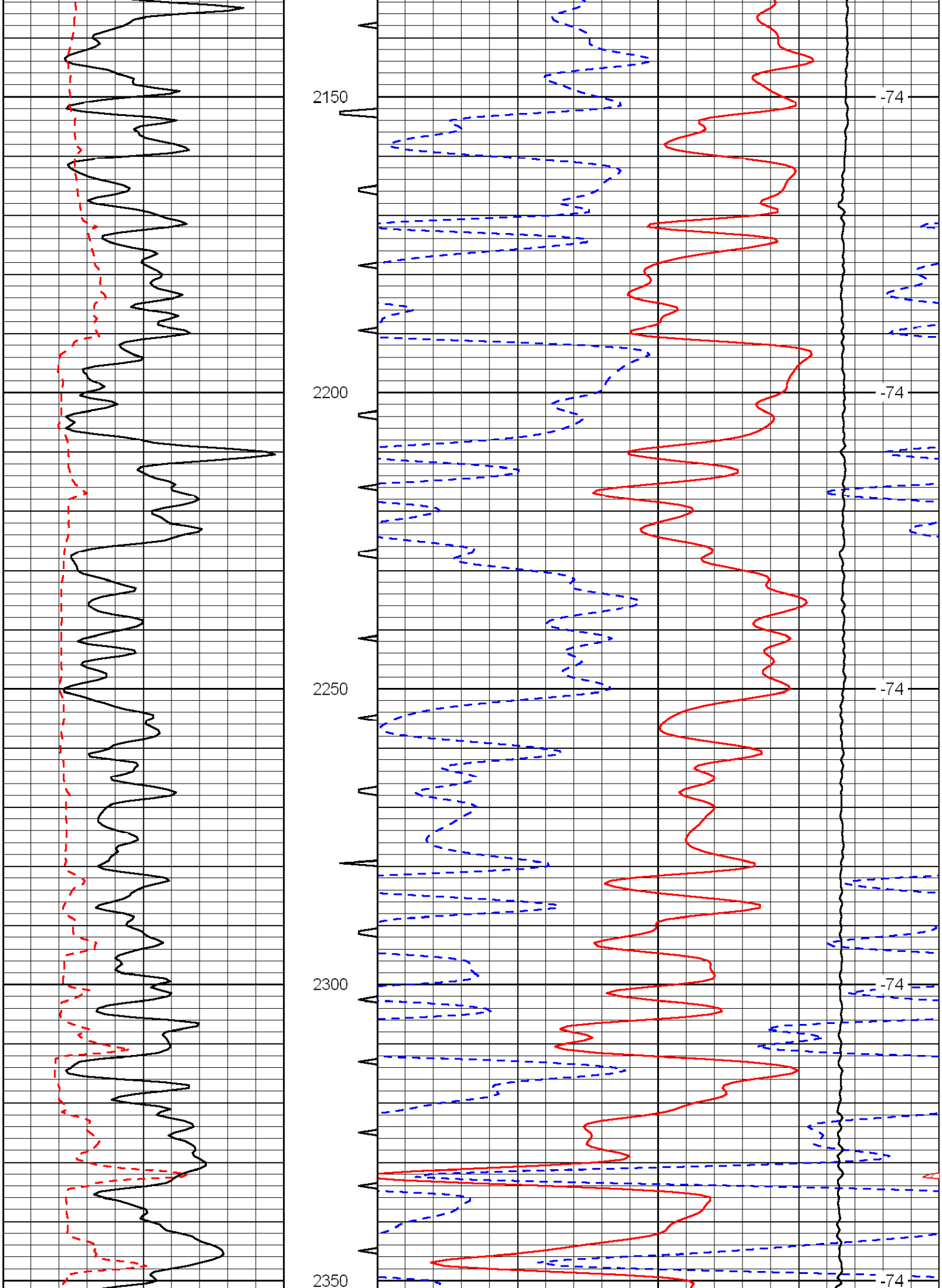

1050
1100
1150
1200
1250
-78
-78
-78
-76
-76

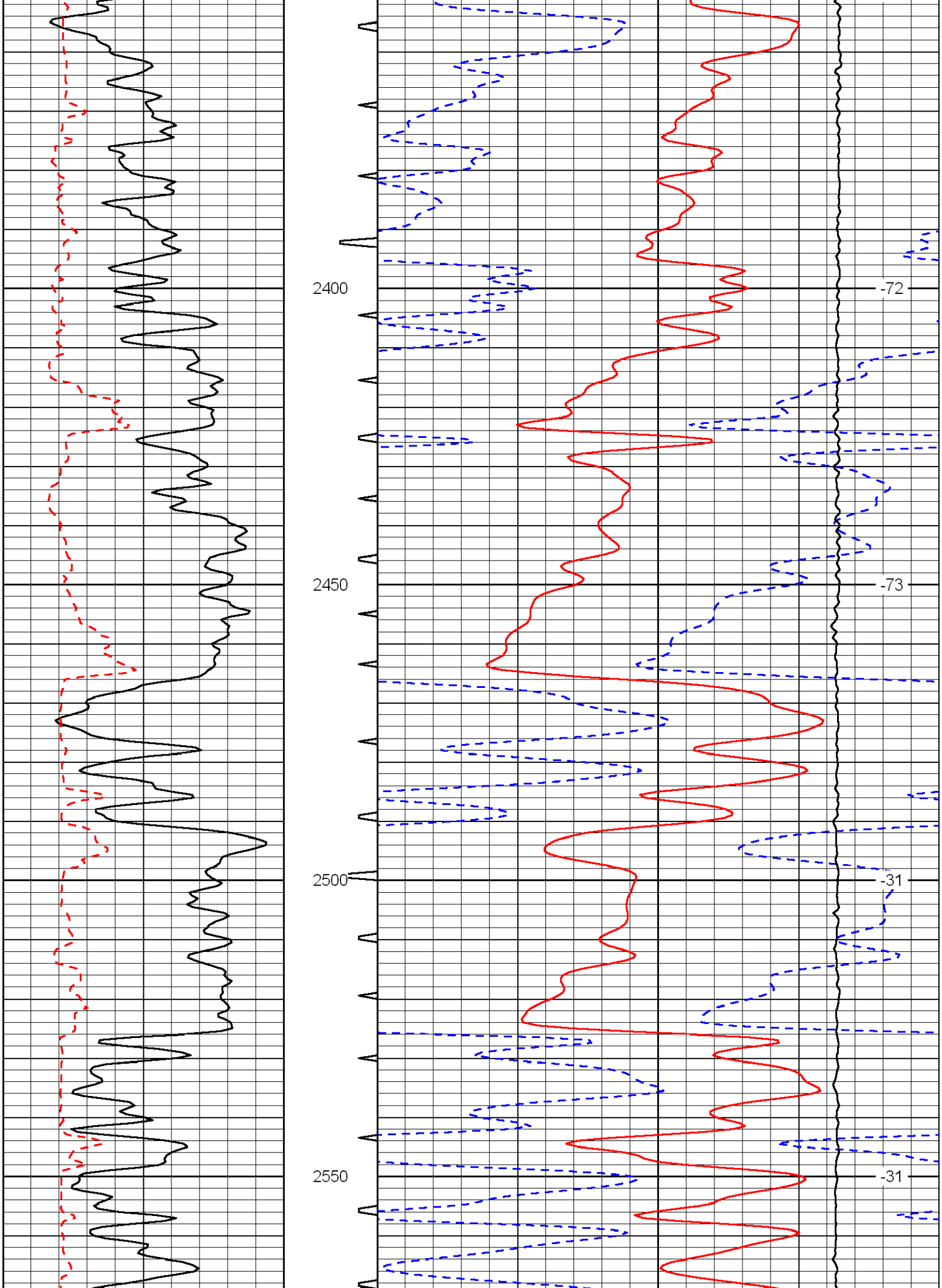

1300
1350
1400
1450
-76
-76
-76

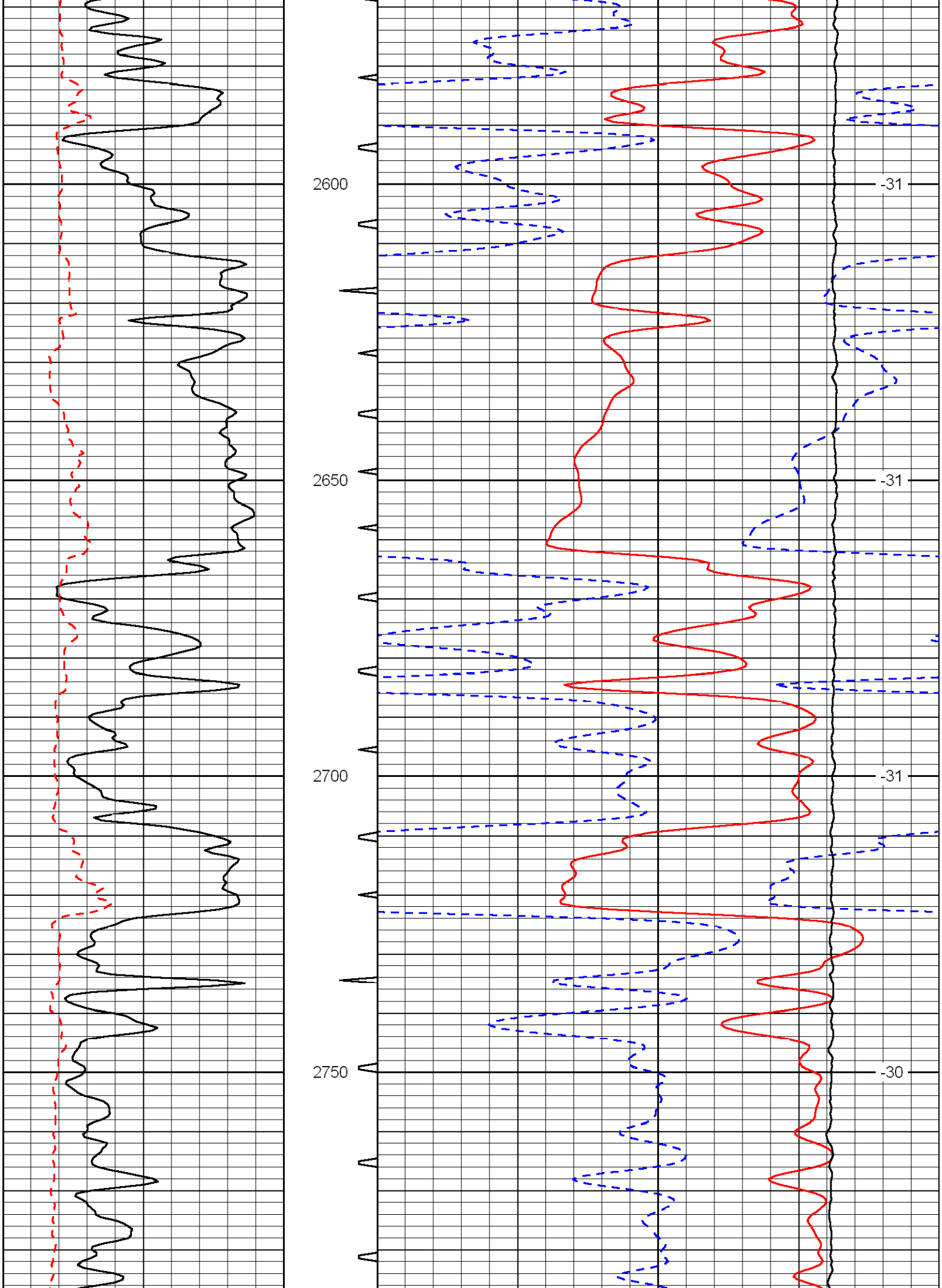

1500
1550
1600
1650
-76
-76
-76

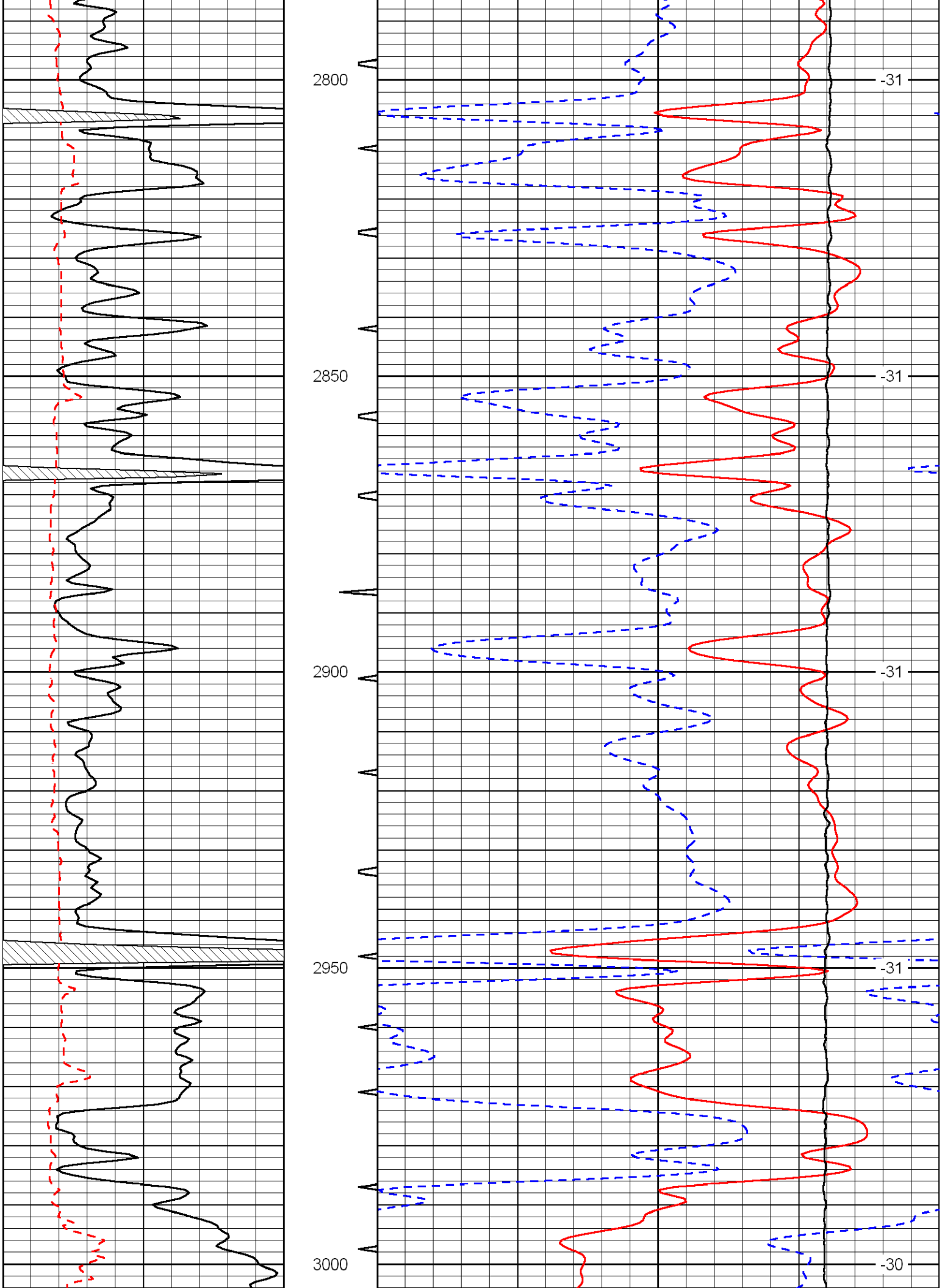

1700
1750
1800
1850
1900
-76
-74
-74
-74
-74

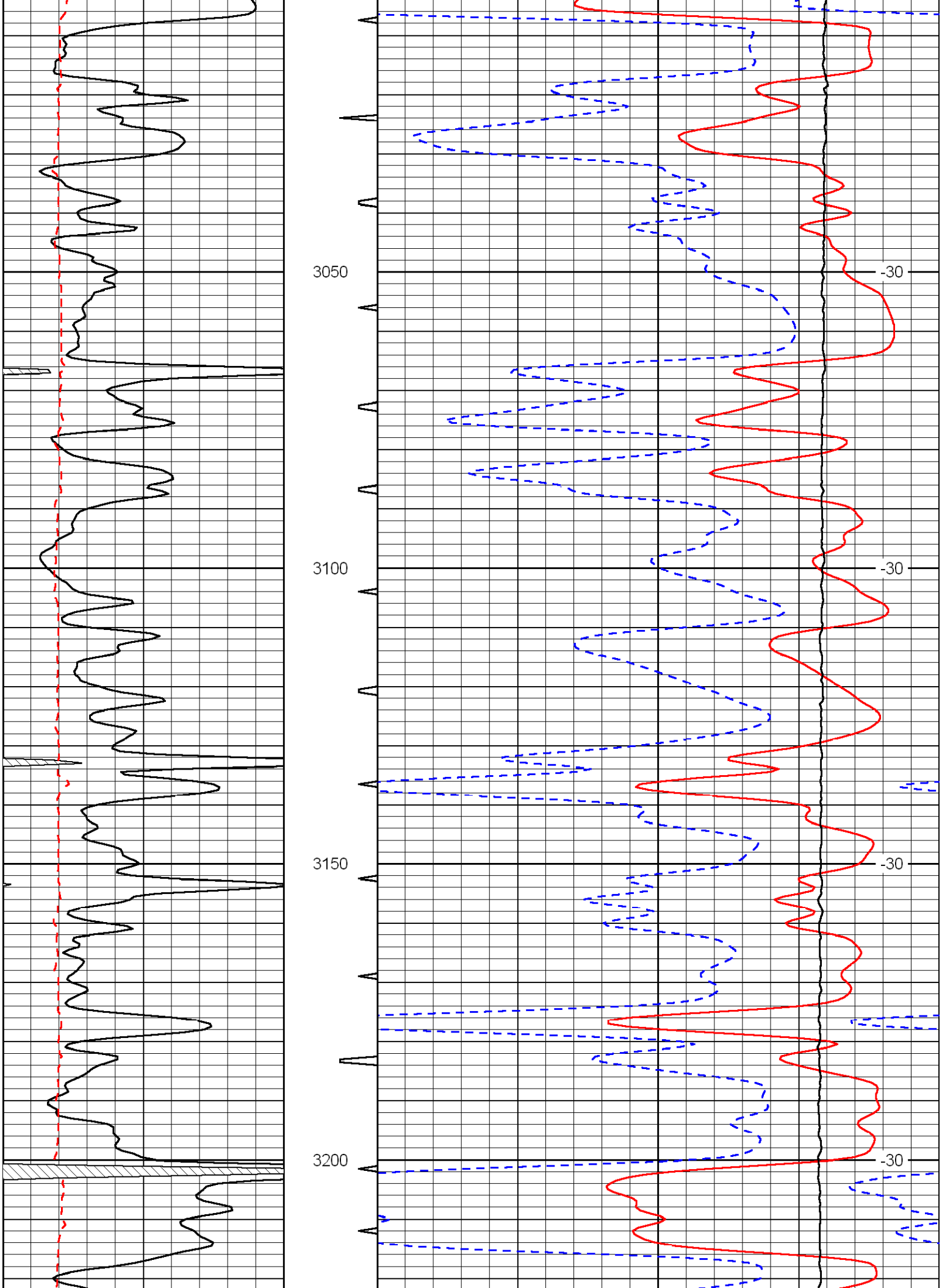

1950
2000
2050
2100
-74
-74
-74

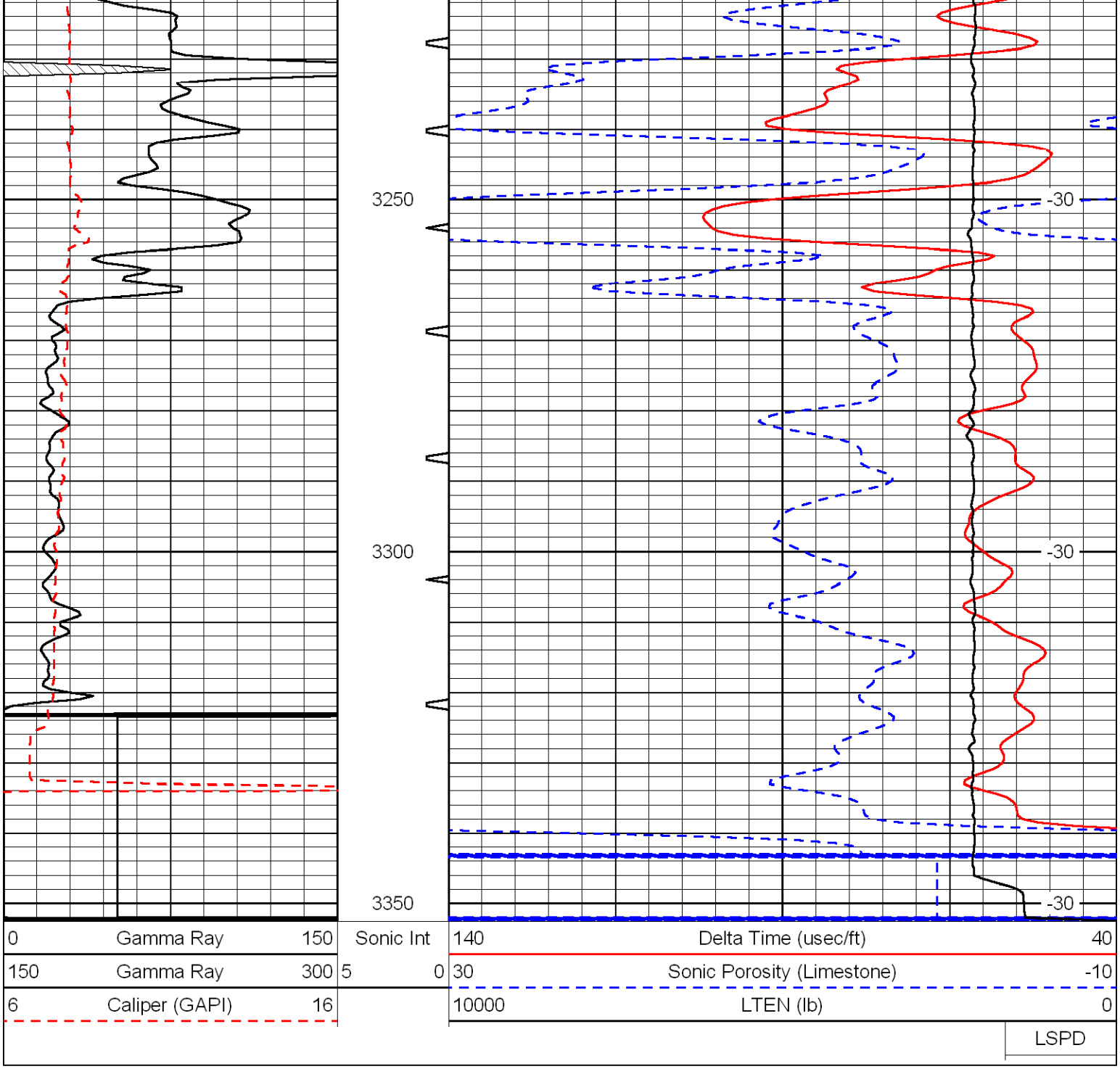

2150
2200
2250
2300
2350
-74
-74
-74
-74
-74


2400
-72
2450
-73
2500
-31
2550
-31


2600
-31
2650
-31
2700
-31
2750
-30


2800
2850
2900
2950
3000
-31
-31
-31
-31
-30


3050
-30
3100
-30
3150
-30
3200
-30



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