PIONEER

Pioneer Energy Services

Borehole Compensated Sonic Log

API No. 15-009-26,050-00-00

Company RJM Oil Company, Inc.

Well Gregory #1

Field

County Barton State Kansas

Location 517' FSL & 1638' FWL

Sec: 24 Twp: 17S Rge: 12W

Permanent Datum Ground Level Elevation 1862

Log Measured From Kelly Bushing 7 Ft. Above Perm. Datum

Drilling Measured From Kelly Bushing

Date	11/12/2014
Run Number	One
Type Log	BHC Sonic
Depth Driller	3450
Depth Logger	3450
Bottom Logged Interval	3439
Top Logged Interval	350
Type Fluid In Hole	Chemical
Salinity, PPM CL	6,000
Density	9.2
Level	Full
Max. Rec. Temp. F	111
Operating Rig Time	4 Hours
Equipment -- Location	10 Hays
Recorded By	C. Desaire
Witnessed By	Jim Musgrove

Other Services
CNL/CDL
MEL/DIL

Elevation
K.B. 1869
D.F.
G.L. 1862

Borehole Record

Run No.	Bit	From	To
1	12.25	00	389
2	7.875	389	3450

Casing Record

Size	Wgt.	From	To
8.625	24#	00	389

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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.

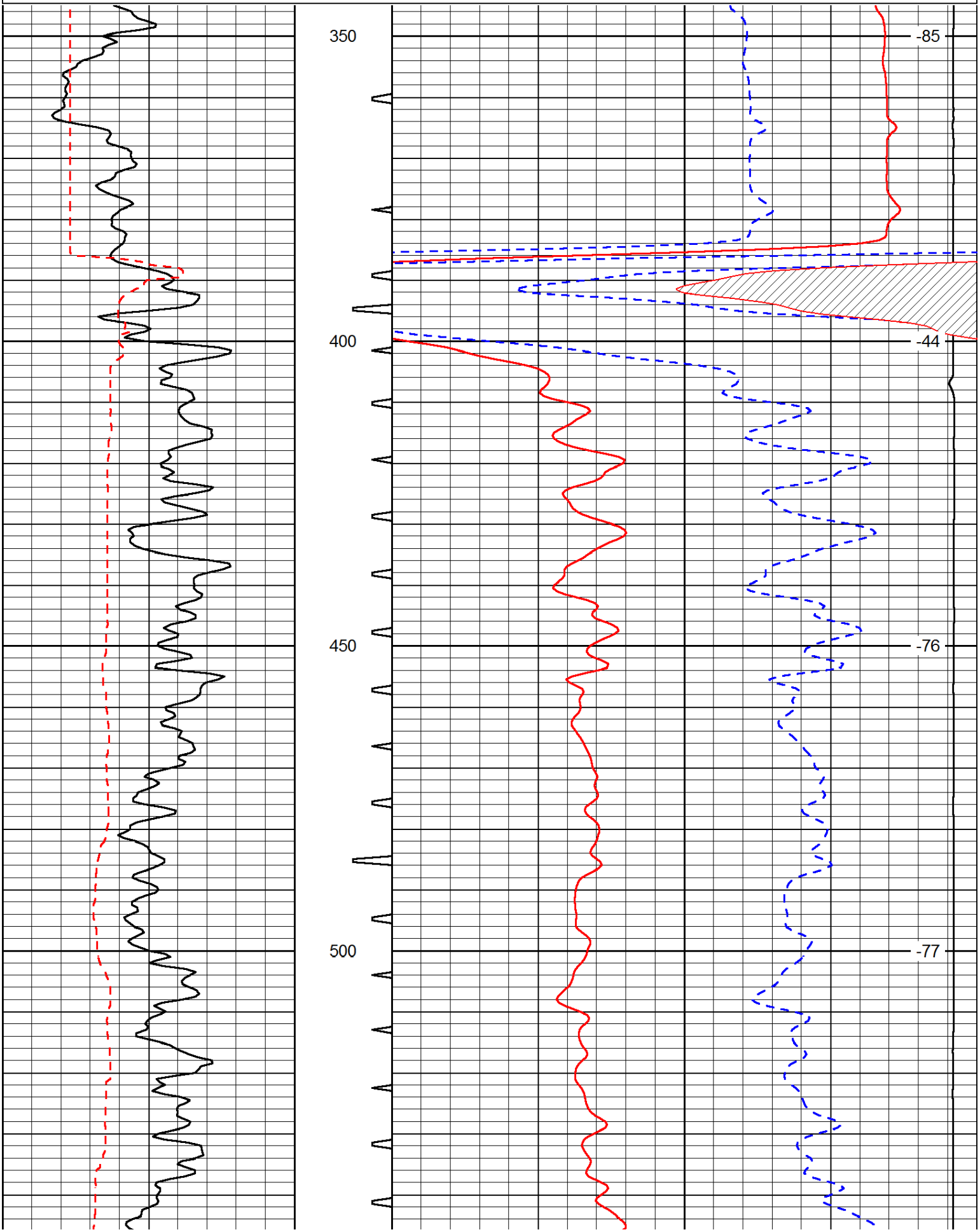
Comments

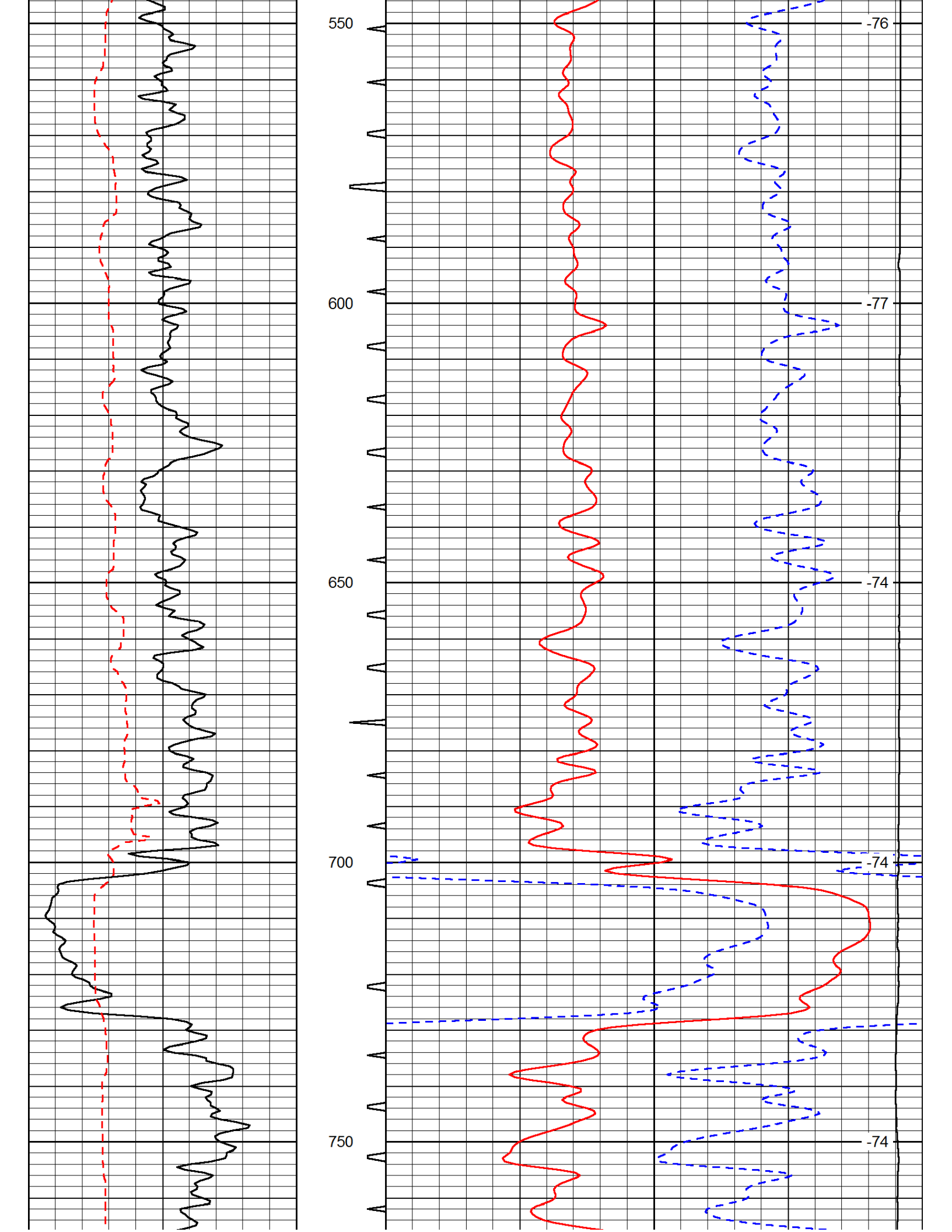
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785 625 3858

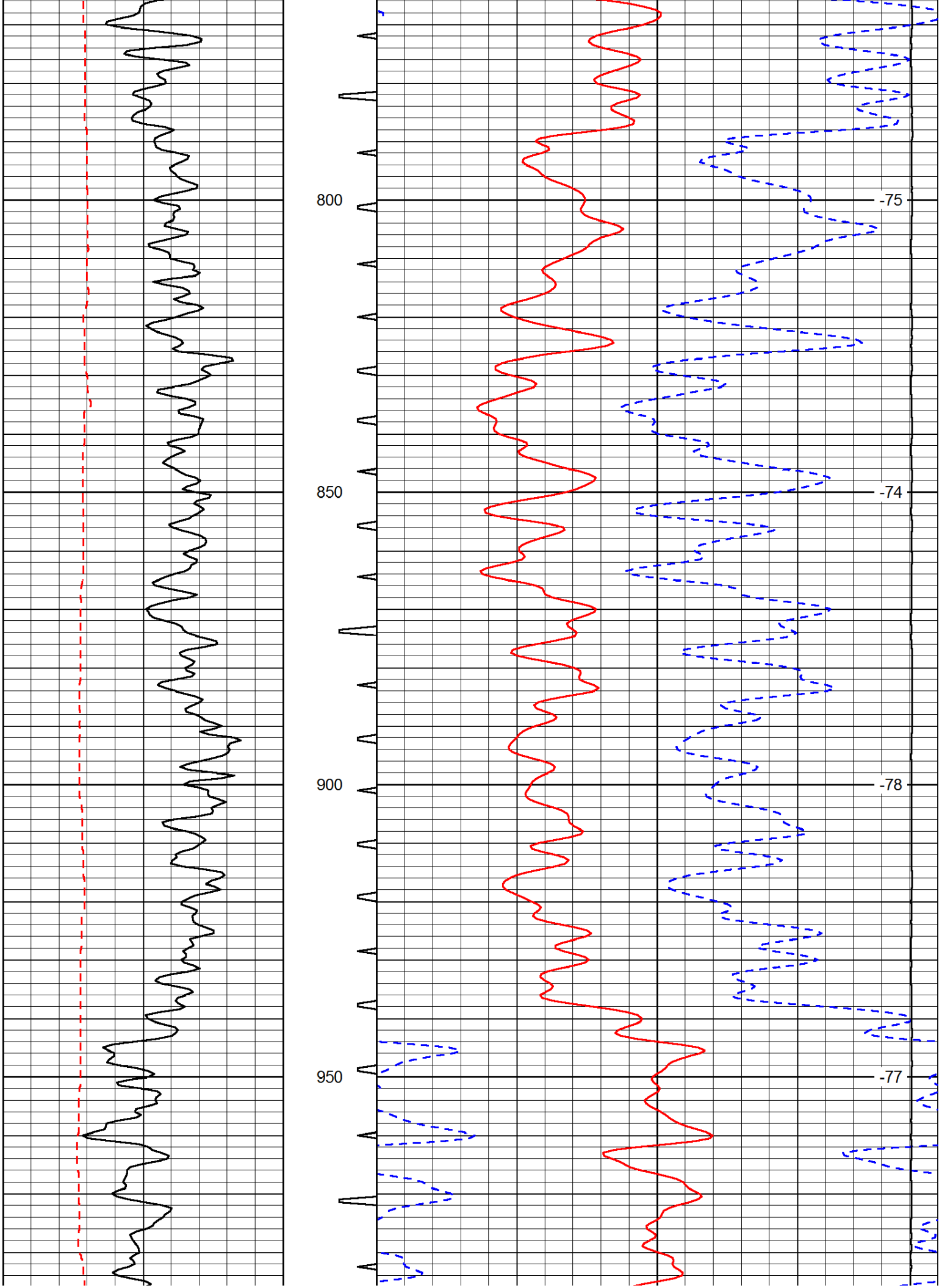
Odin KS, 1 S, 1/2 W, S Into

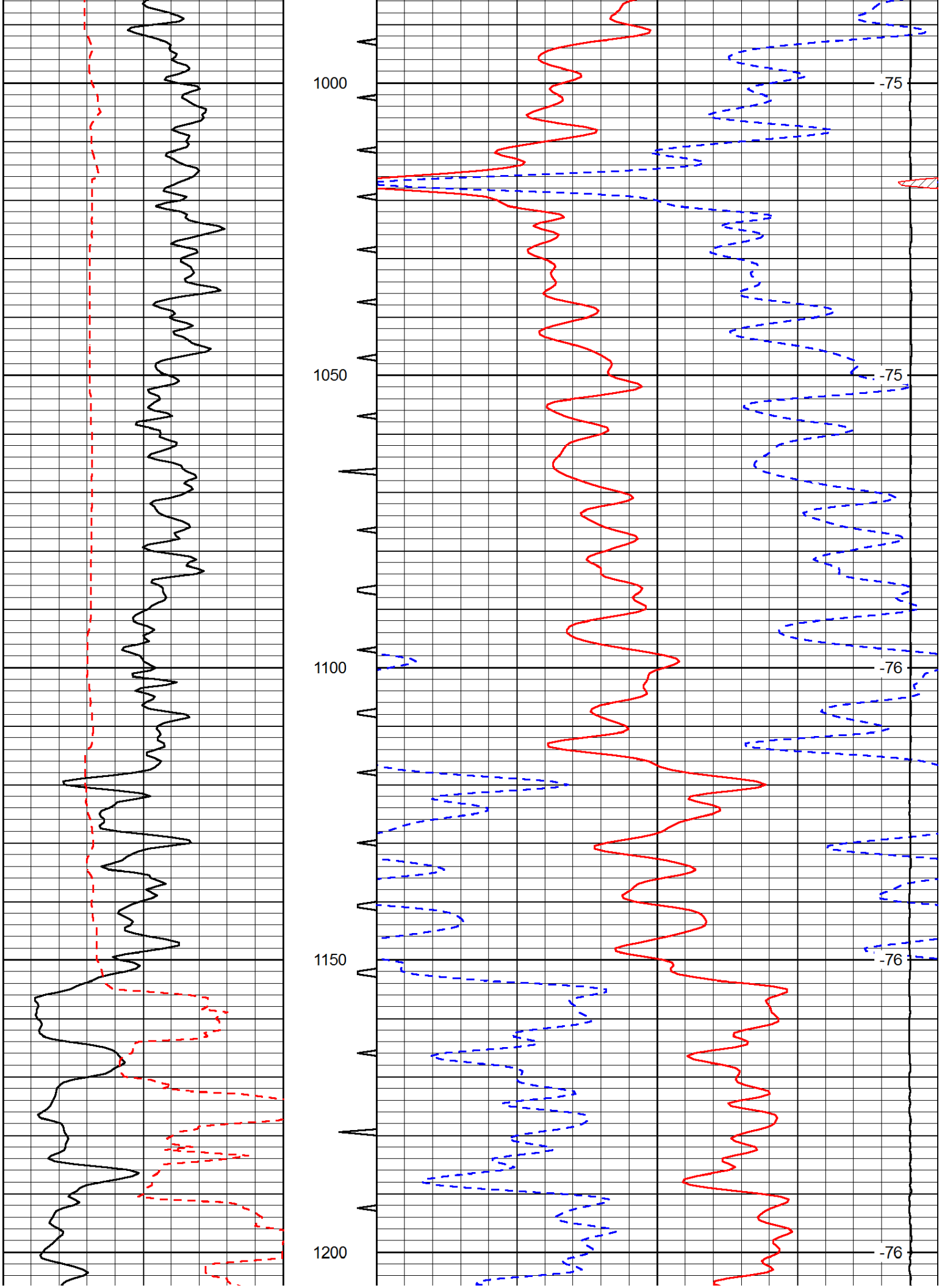
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Dataset Pathname:	dil/rjmstk
Presentation Format:	sonic
Dataset Creation:	Wed Nov 12 08:26:48 2014
Charted by:	Depth in Feet scaled 1:240

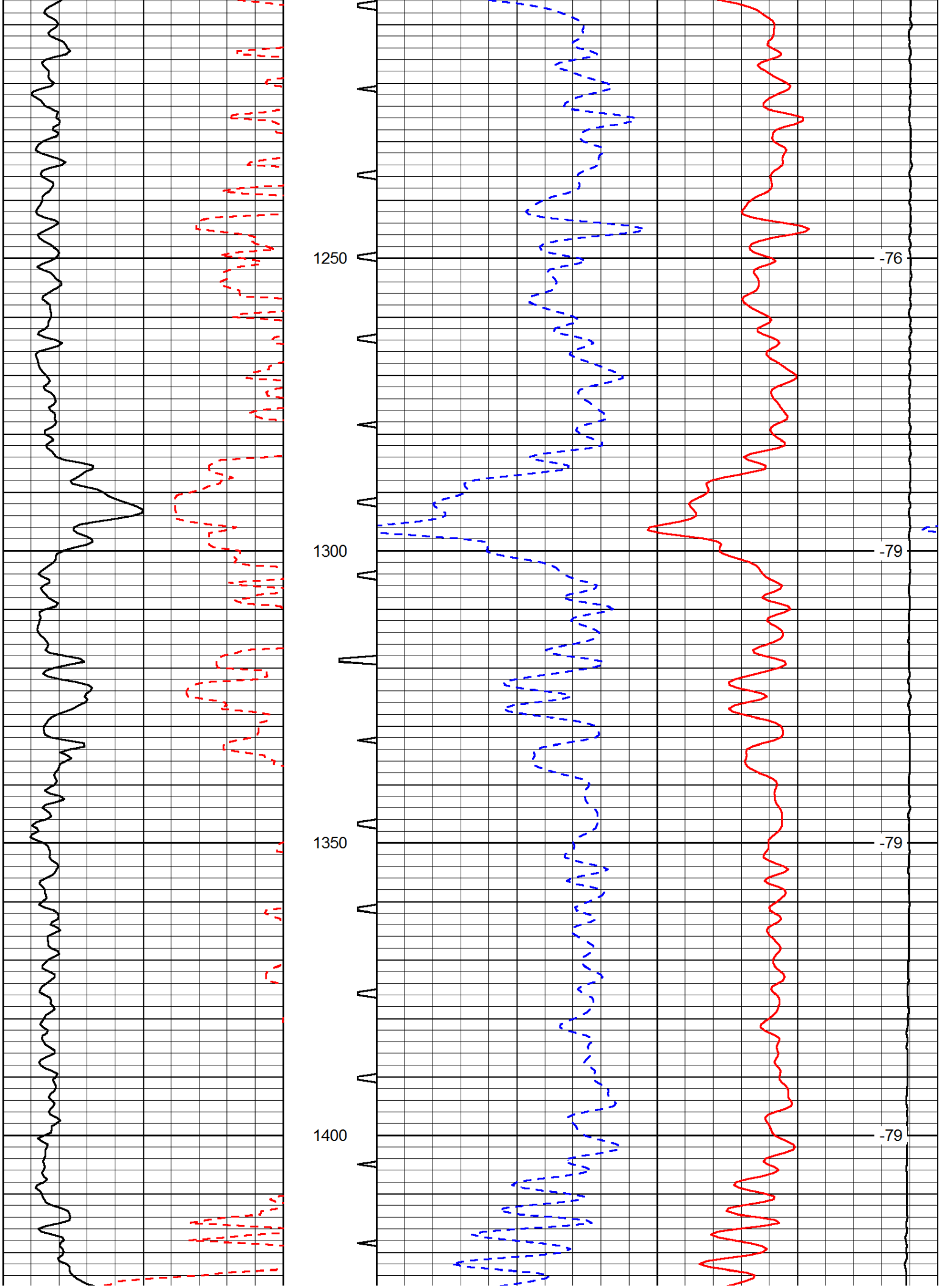
0	Gamma Ray	150	Sonic Int	140	Delta Time (usec/ft)	40	
150	Gamma Ray	300	5 0	30	SPOR	-10	
6	Caliper (GAPI)	16		15000	LTEN (lb)	0	
							LSPD

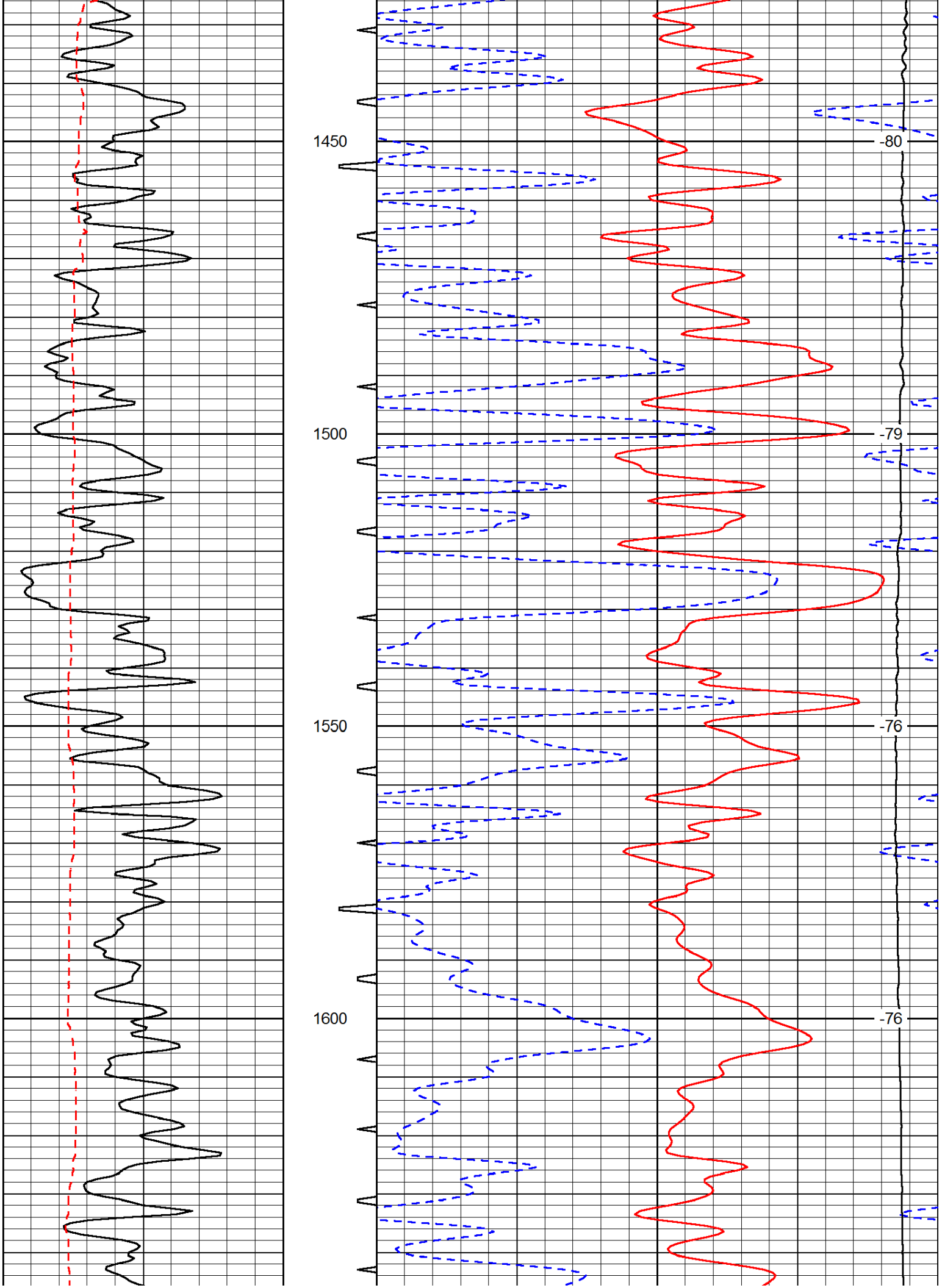


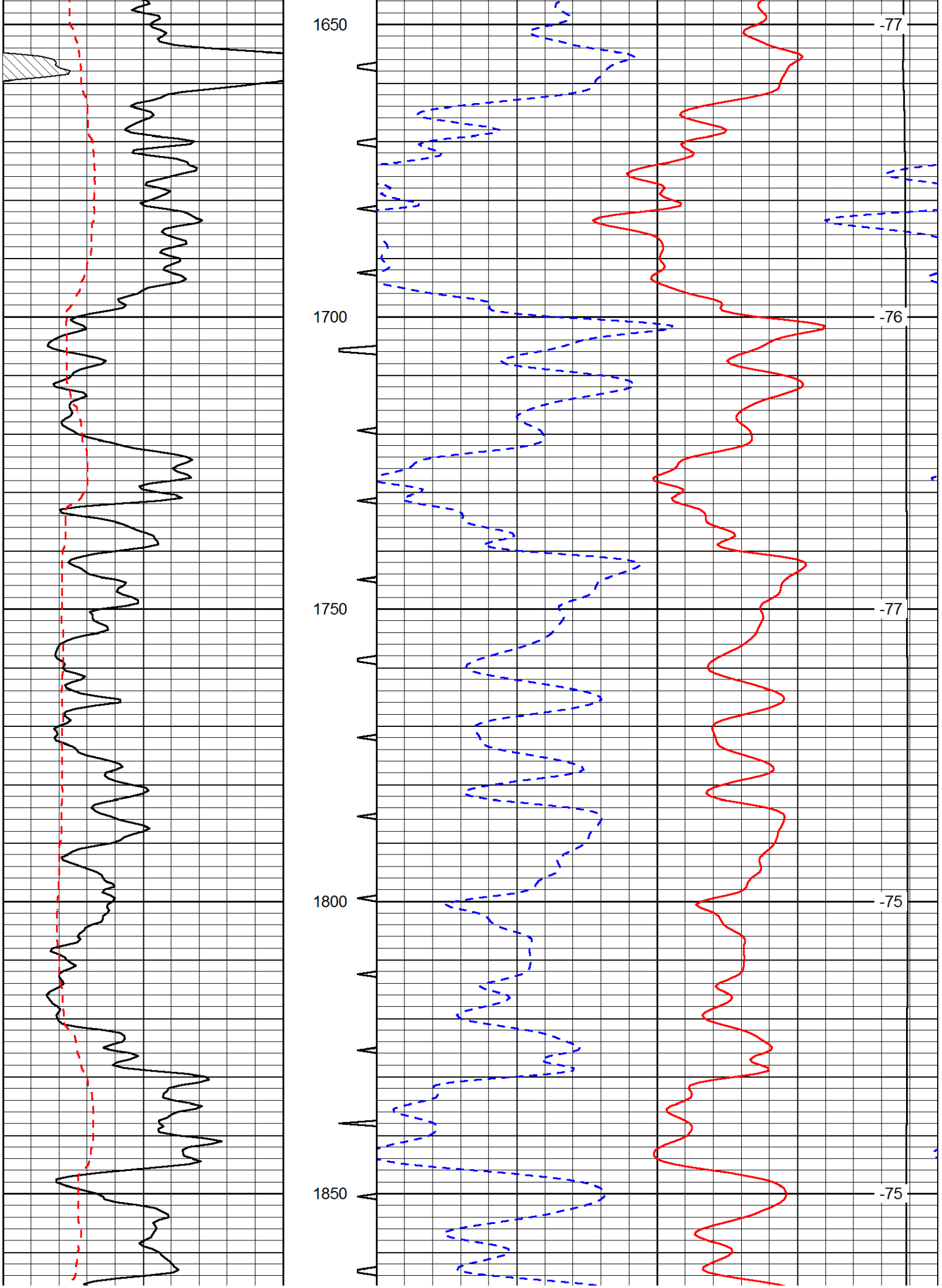

550
600
650
700
750
-76
-77
-74
-74
-74

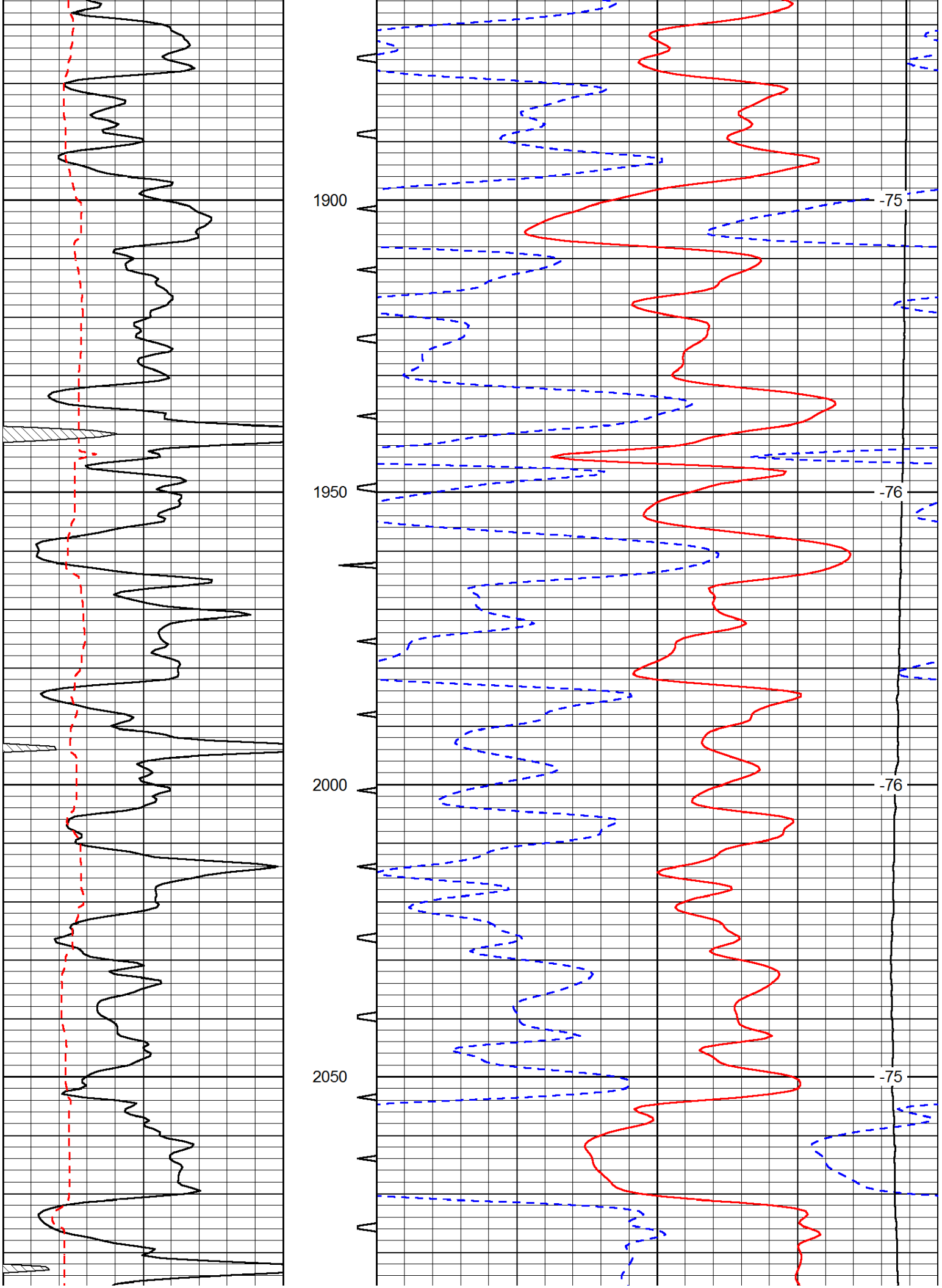

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850
900
950
-75
-74
-78
-77

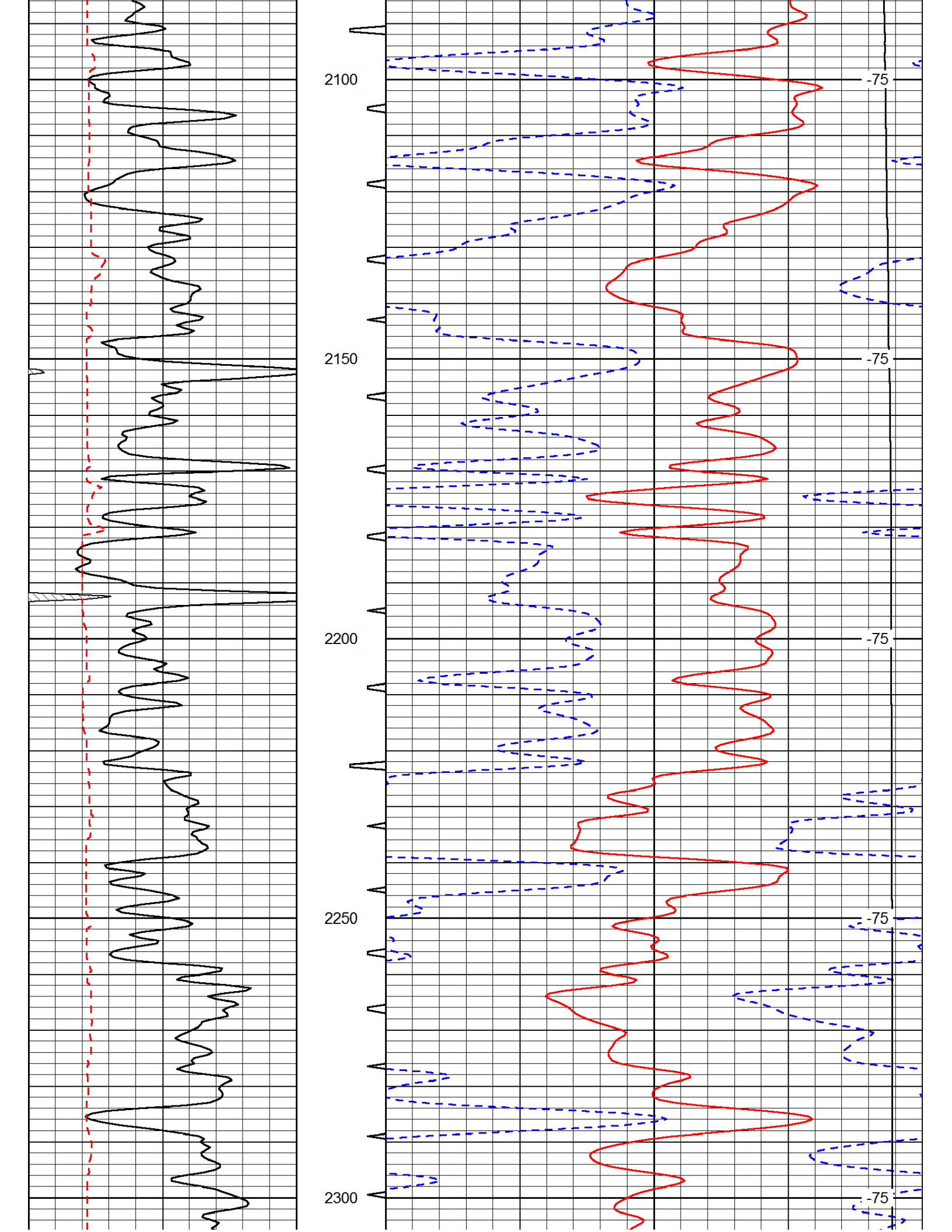

1000
1050
1100
1150
1200
-75
-75
-76
-76
-76

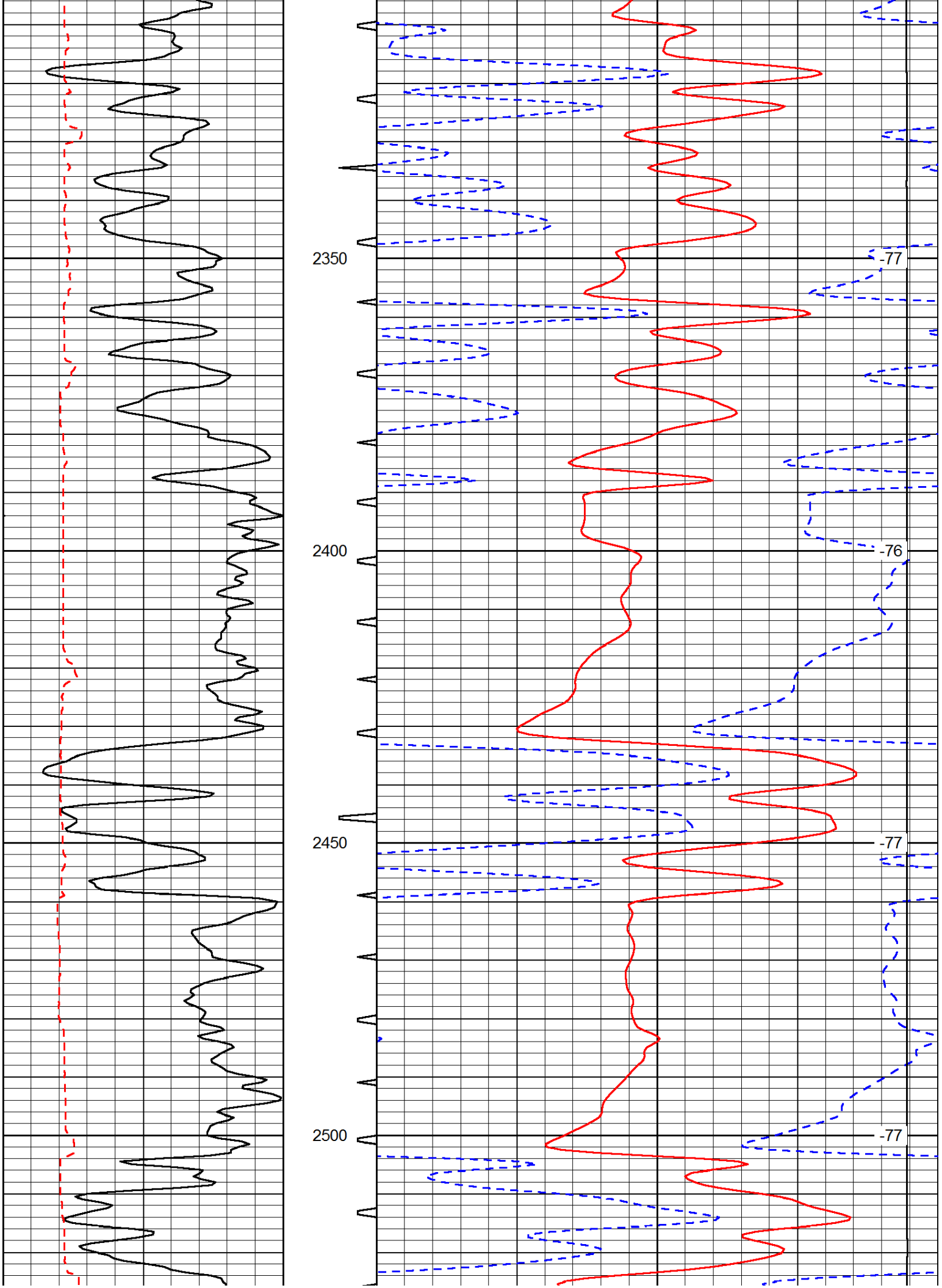

1250
-76
1300
-79
1350
-79
1400
-79

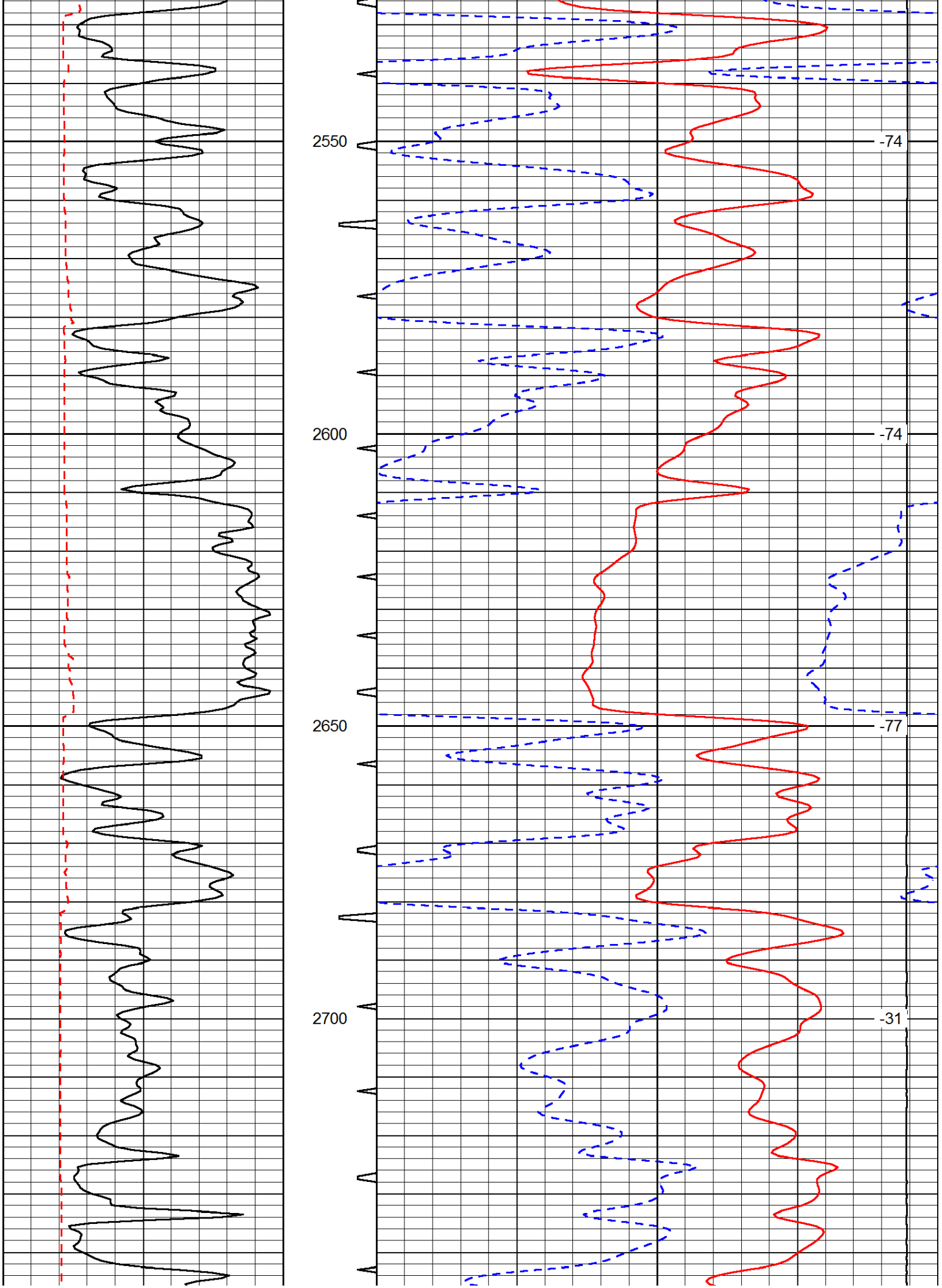

1450
1500
1550
1600
-80
-79
-76
-76

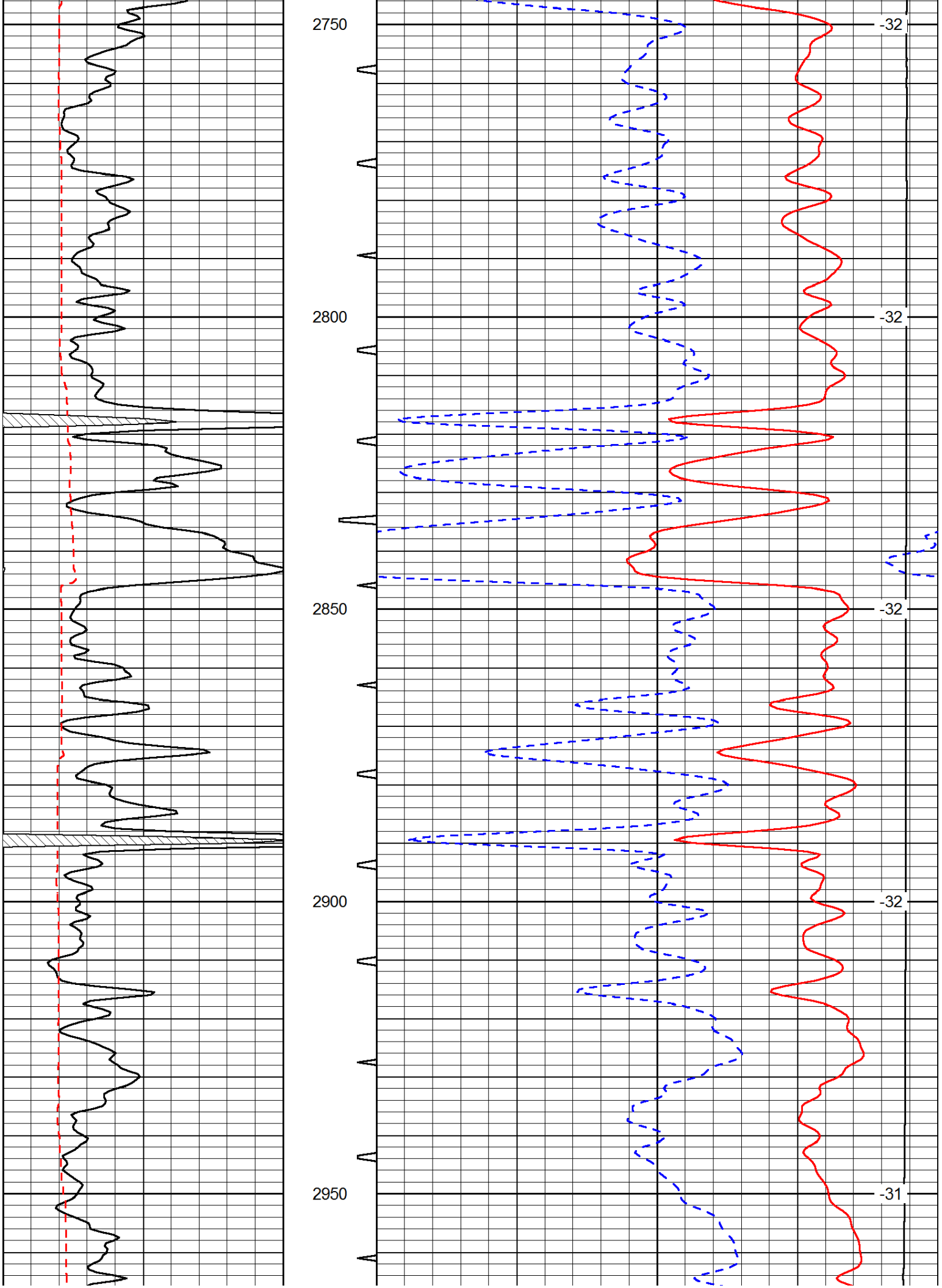

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1700
1750
1800
1850
-77
-76
-77
-75
-75

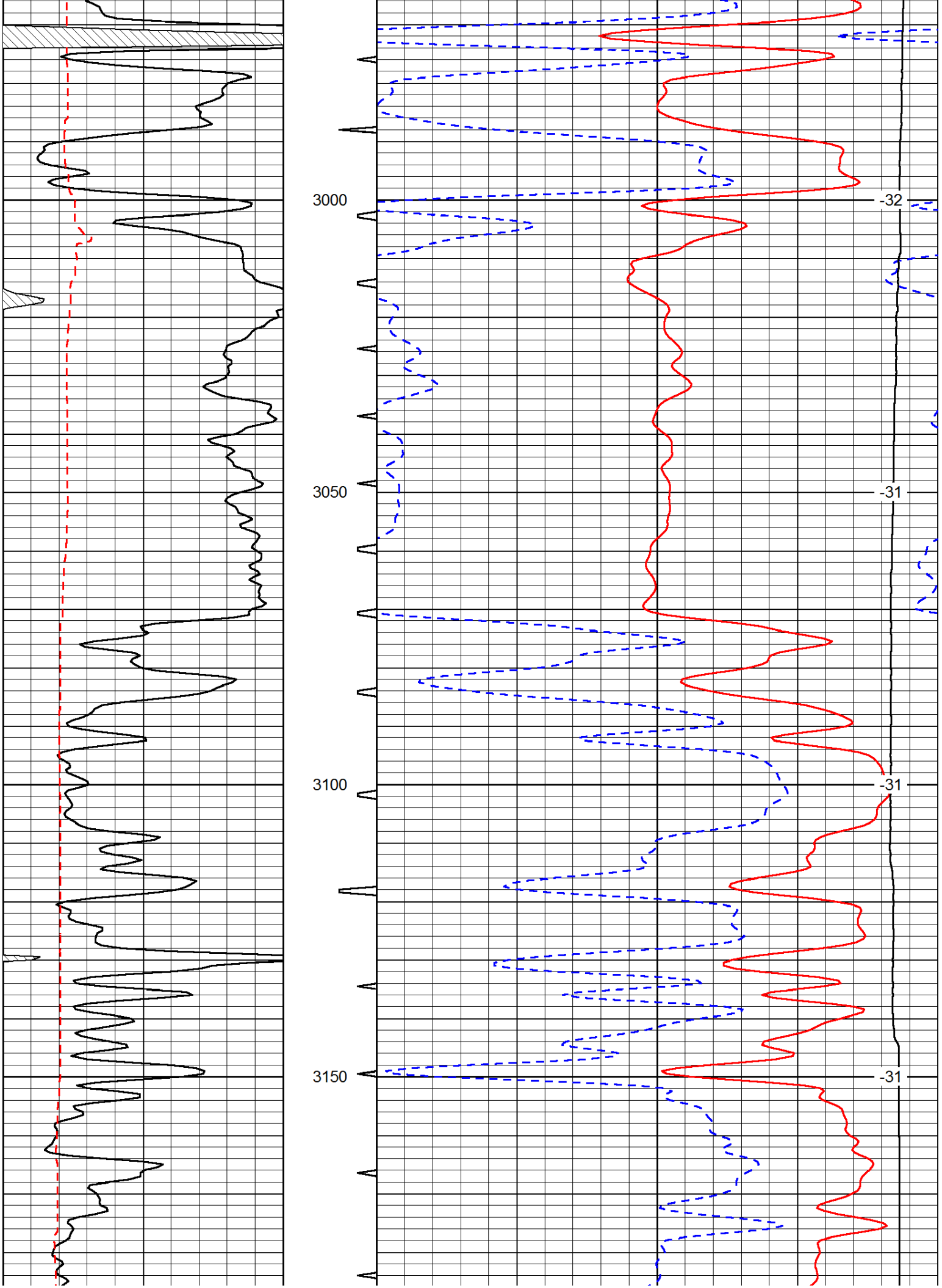

1900
1950
2000
2050
-75
-76
-76
-75

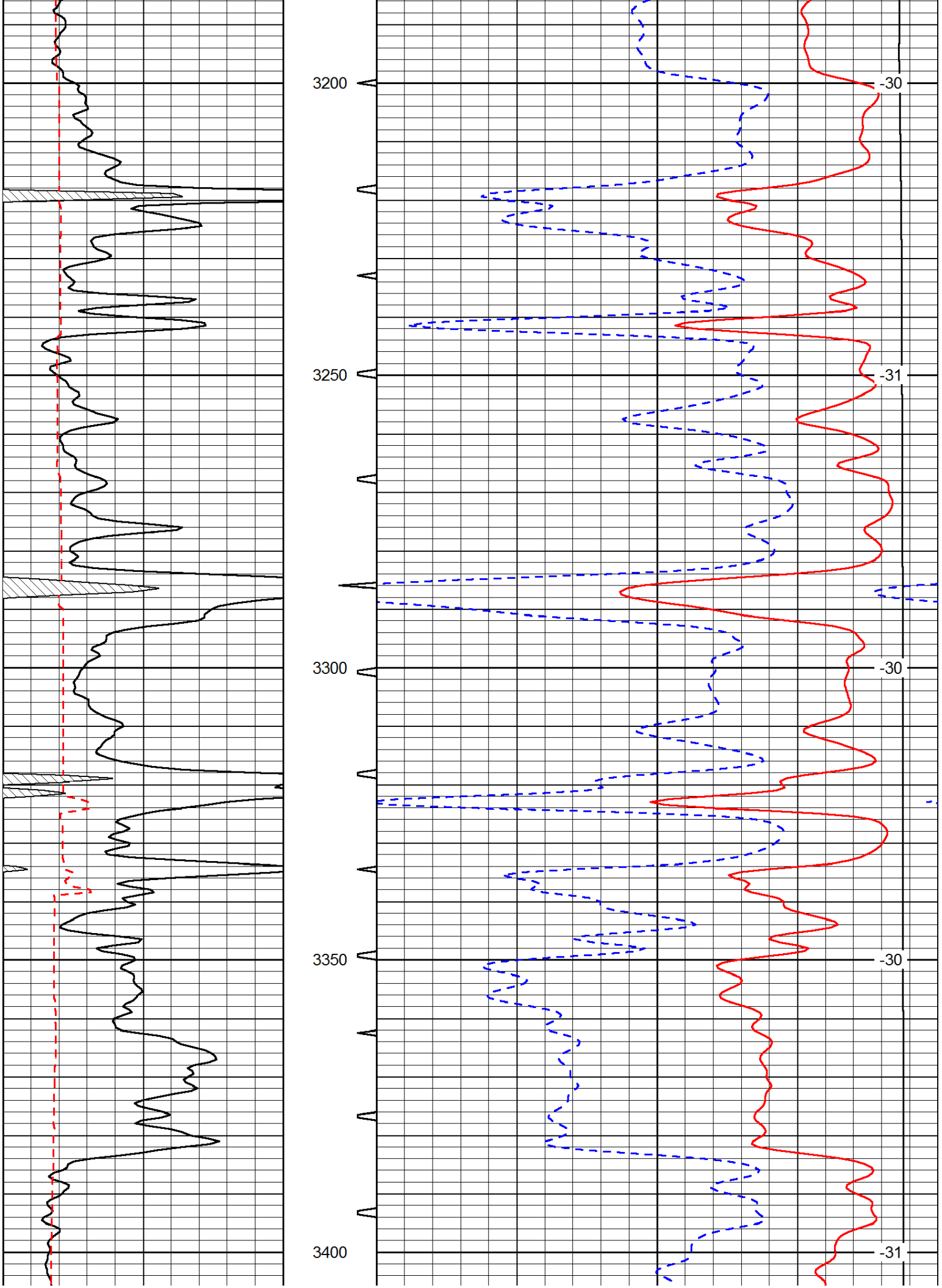

2100
2150
2200
2250
2300
-75
-75
-75
-75
-75

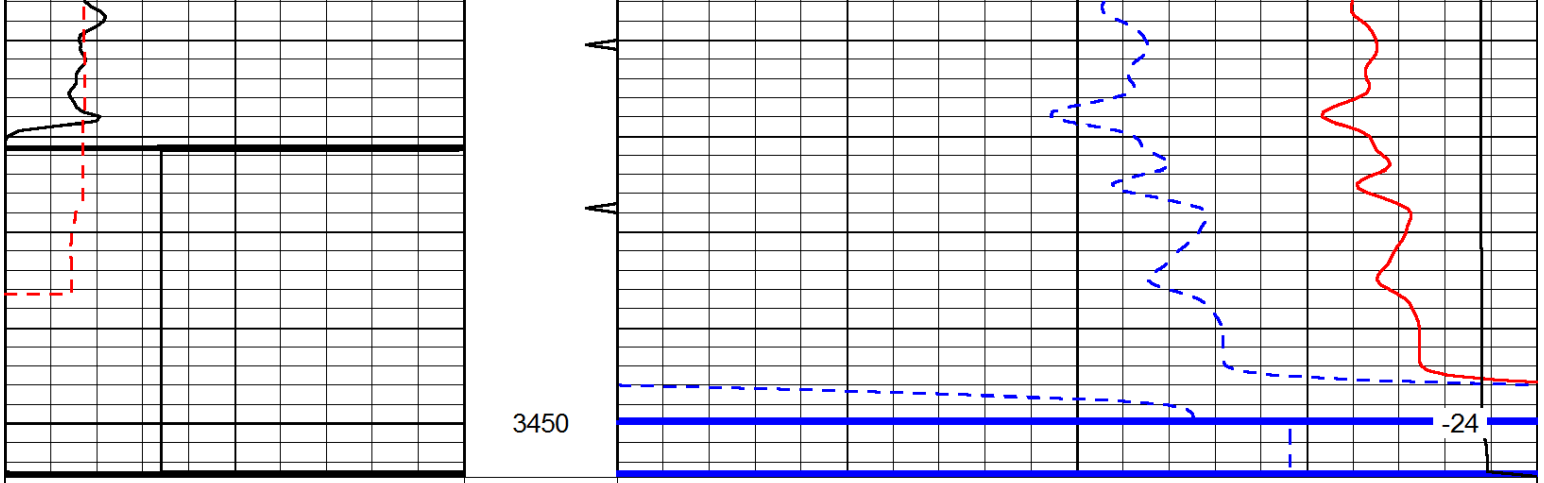

2350
2400
2450
2500
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-76
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-77


2550
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2600
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2650
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2700
-31


2750
2800
2850
2900
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-32
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3000
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3100
3150
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3200
3250
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3400
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-31
-30
-30
-31



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