PIONEER

Pioneer Energy Services

Borehole Compensated Sonic Log

API No. 15-007-23972-00-00

Company Roberts Resources, Inc.

Well Thom A #2-28

Field Nurse

County Barber State Kansas

Location 1080' FNL & 407' FEL

Sec: 28 Twp: 31S Rge: 13W

Other Services
CNL/CDL
MEL/DIL

Elevation
K.B. 1601
D.F.
G.L. 1592

Permanent Datum	Ground Level
Log Measured From	Kelly Bushing 9 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing
Date	12/21/2012
Run Number	Two
Type Log	BHC Sonic
Depth Driller	4530
Depth Logger	4512
Bottom Logged Interval	4491
Top Logged Interval	250
Type Fluid In Hole	Chemical
Salinity, PPM CL	6000
Density	9.4
Level	Full
Max. Rec. Temp. F	123
Operating Rig Time	5 Hours
Equipment -- Location	91 Hays
Recorded By	D. Schmidt
Witnessed By	Kent Roberts

Borehole Record

Run No.	Bit	From	To
One	12.25	00	264
Two	7.875	264	TD

Casing Record

Size	Wgt.	From	To
8.625	23#	00	264

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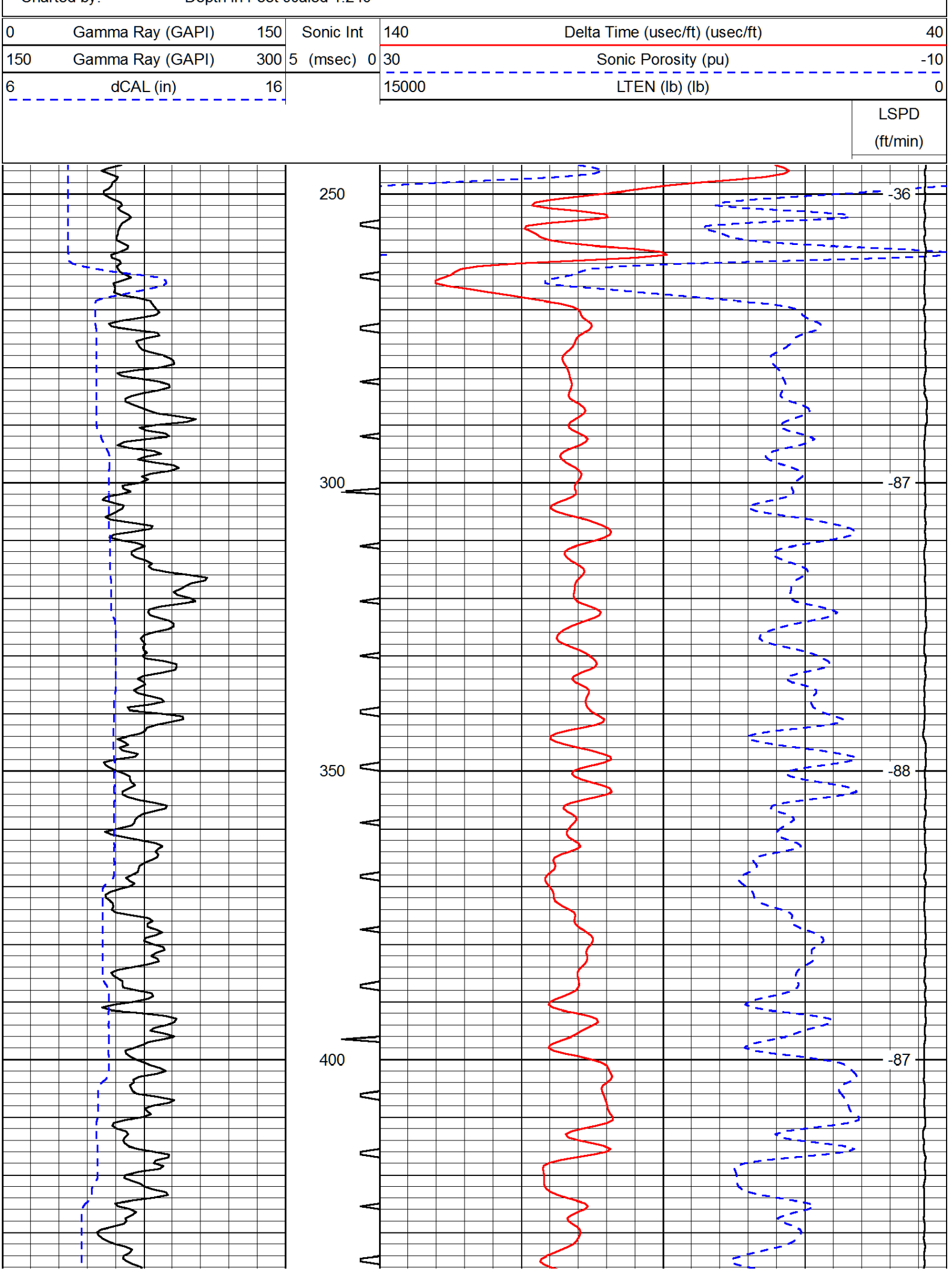
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

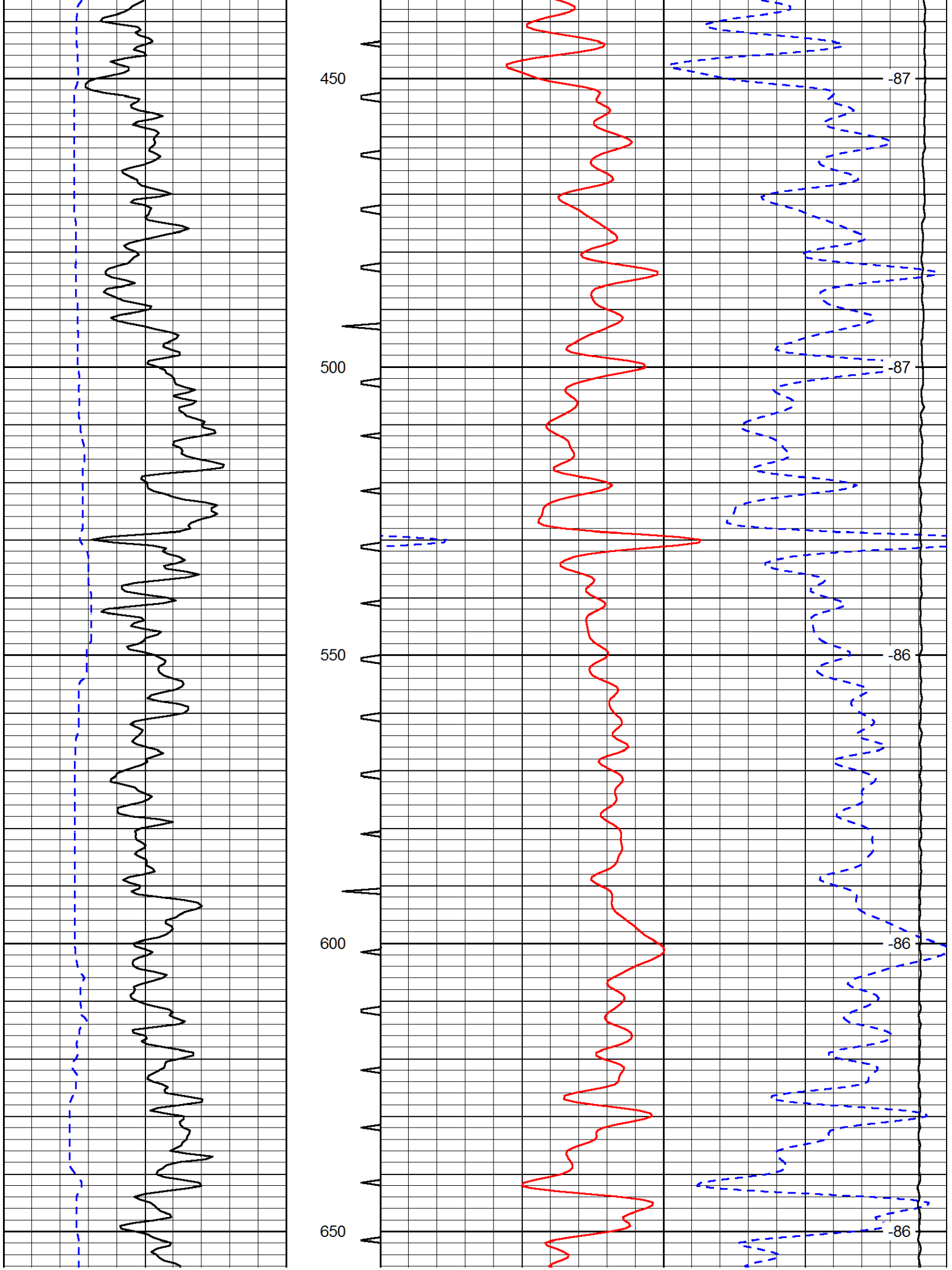
Comments

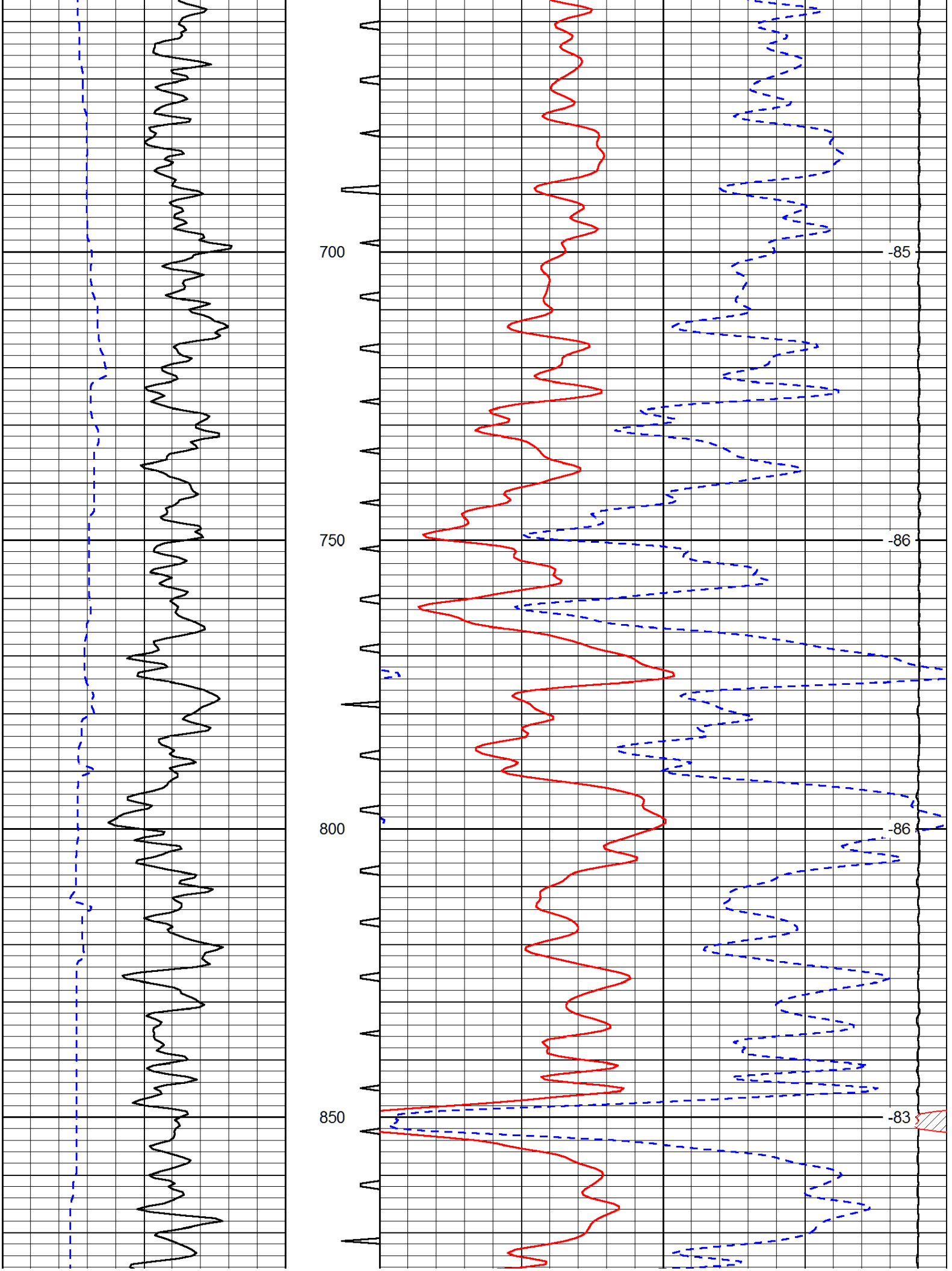
Thank you for using Log-Tech, Inc.
(785) 625-3858

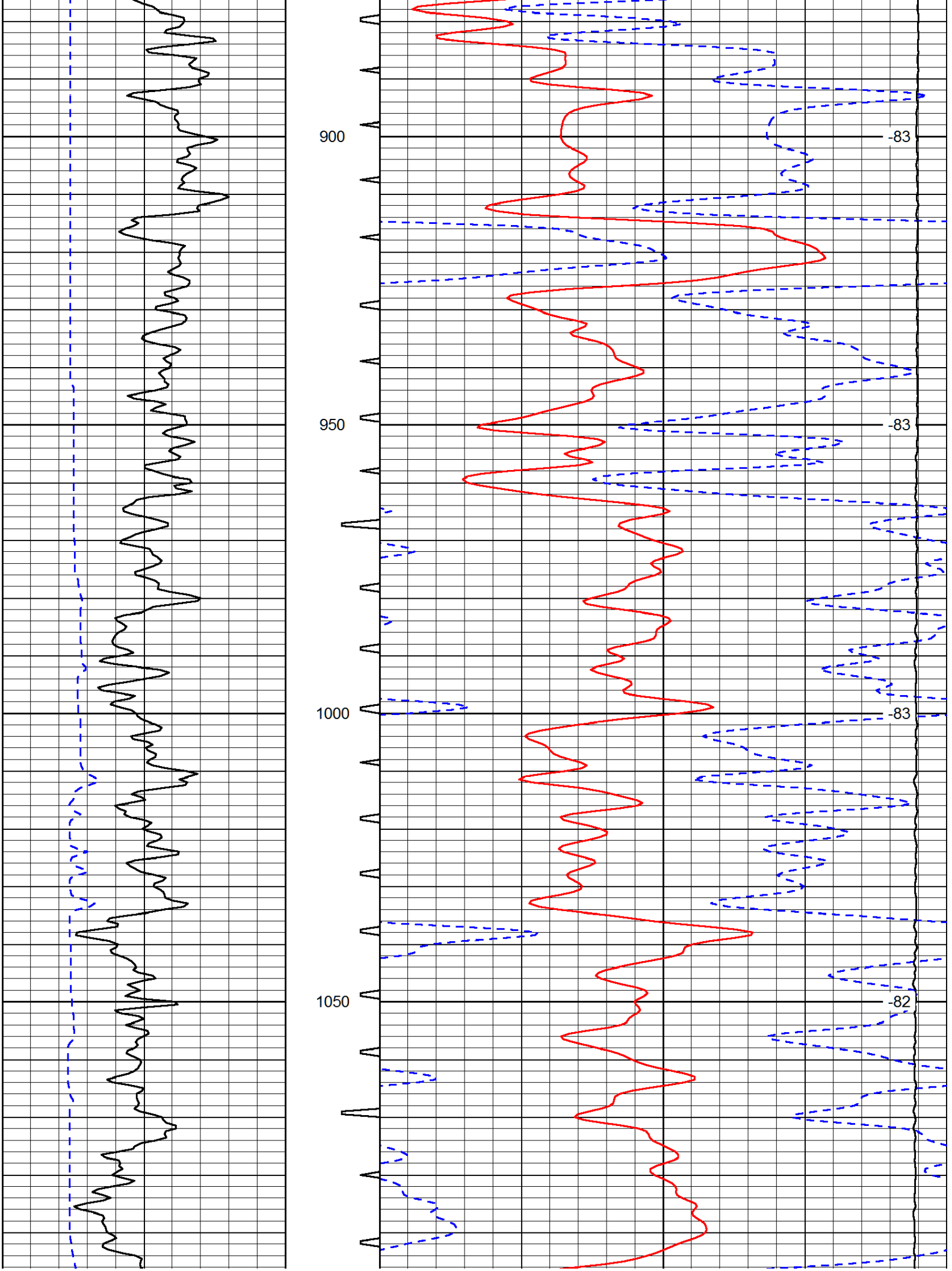
Medicine Lodge,
West on River Rd to Forest City Rd,
S & W into

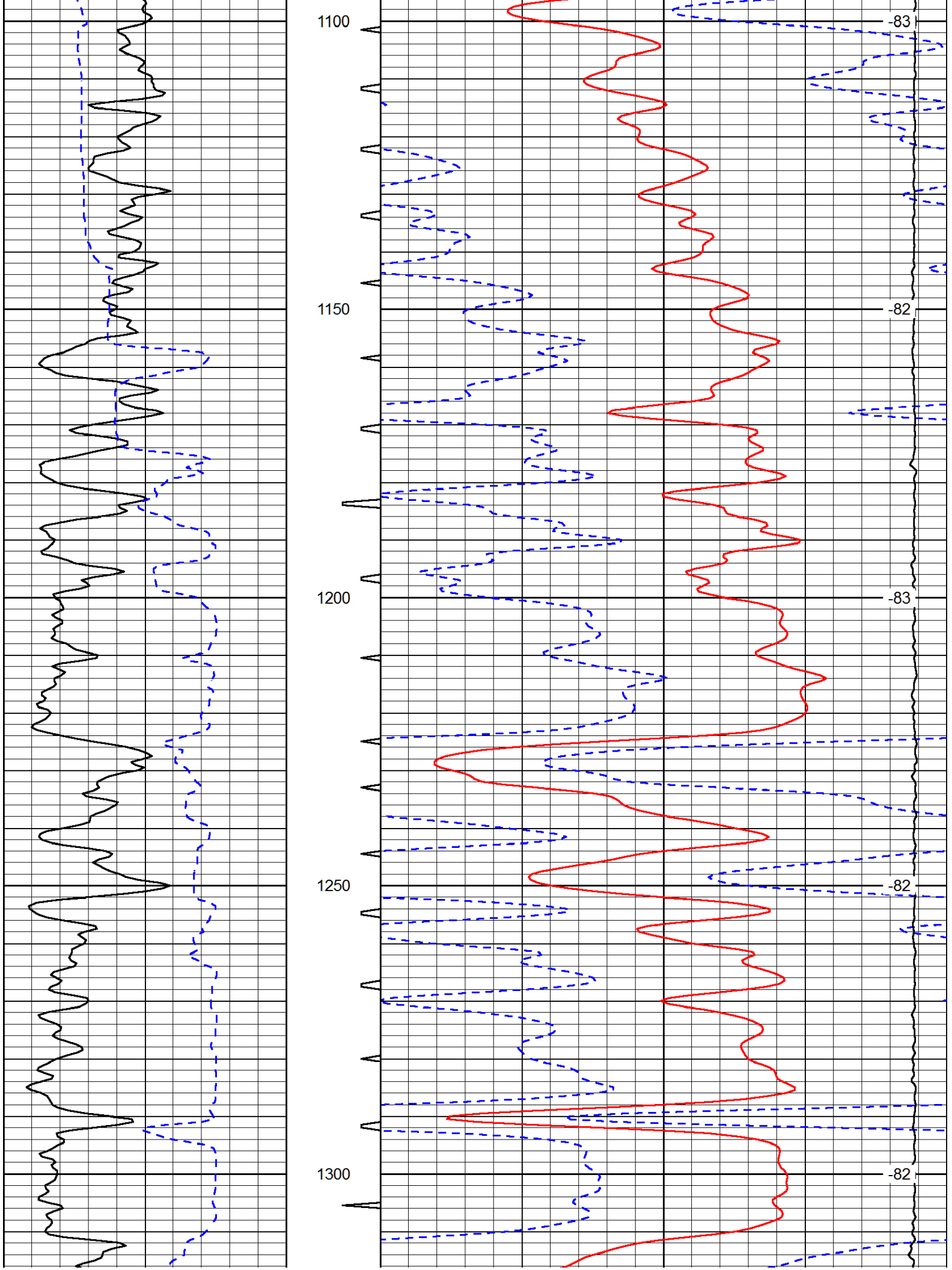
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Presentation Format:	sonic
Dataset Creation:	Fri Dec 21 18:42:56 2012
Charted by:	Depth in Feet scaled 1:240

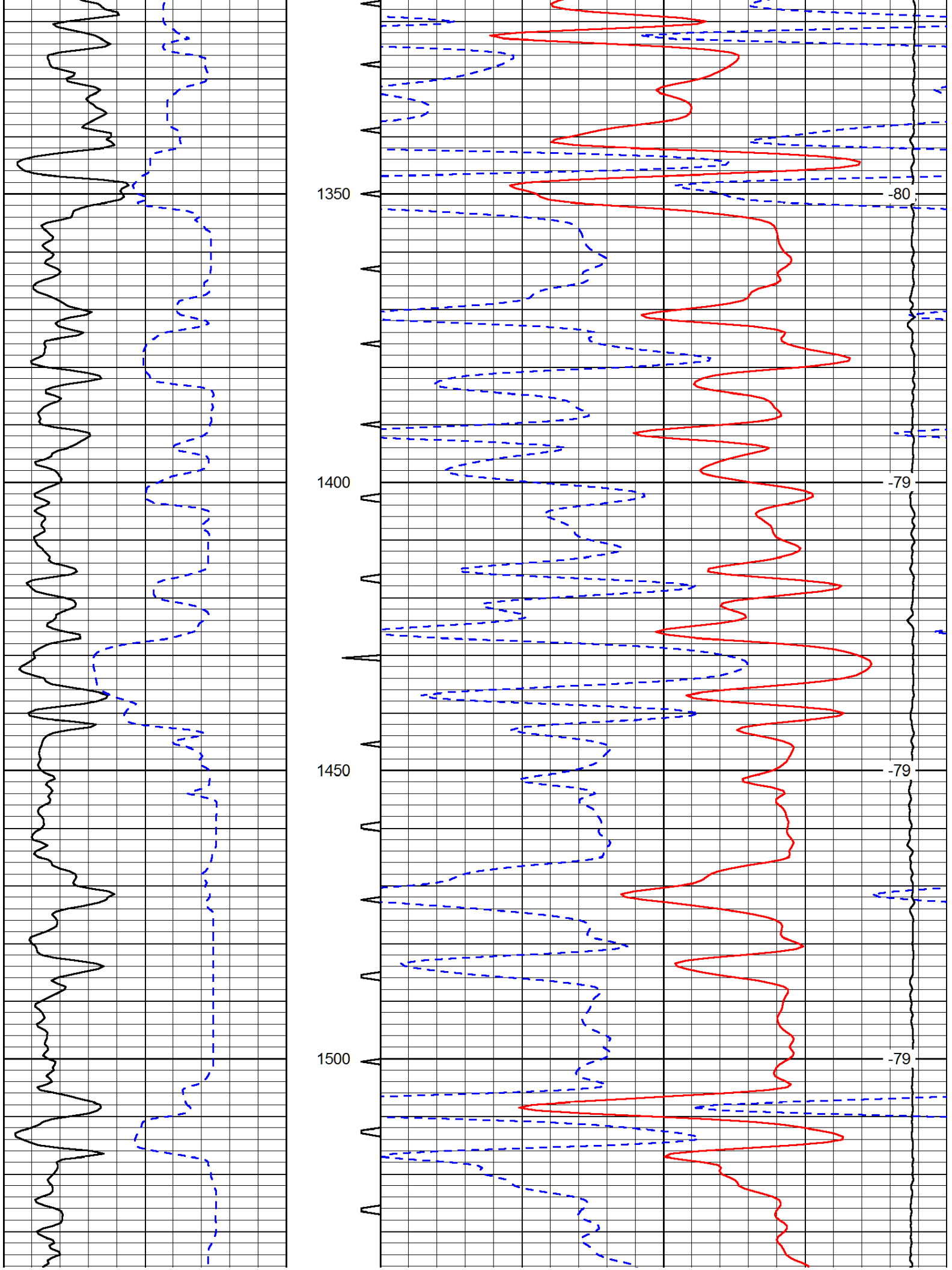

0 Gamma Ray (GAPI) 150
150 Gamma Ray (GAPI) 300
6 dCAL (in) 16
Sonic Int
5 (msec) 0
140 Delta Time (usec/ft) (usec/ft) 40
30 Sonic Porosity (pu) -10
15000 LTEN (lb) (lb) 0
LSPD
(ft/min)
250
300
350
400
-36
-87
-88
-87

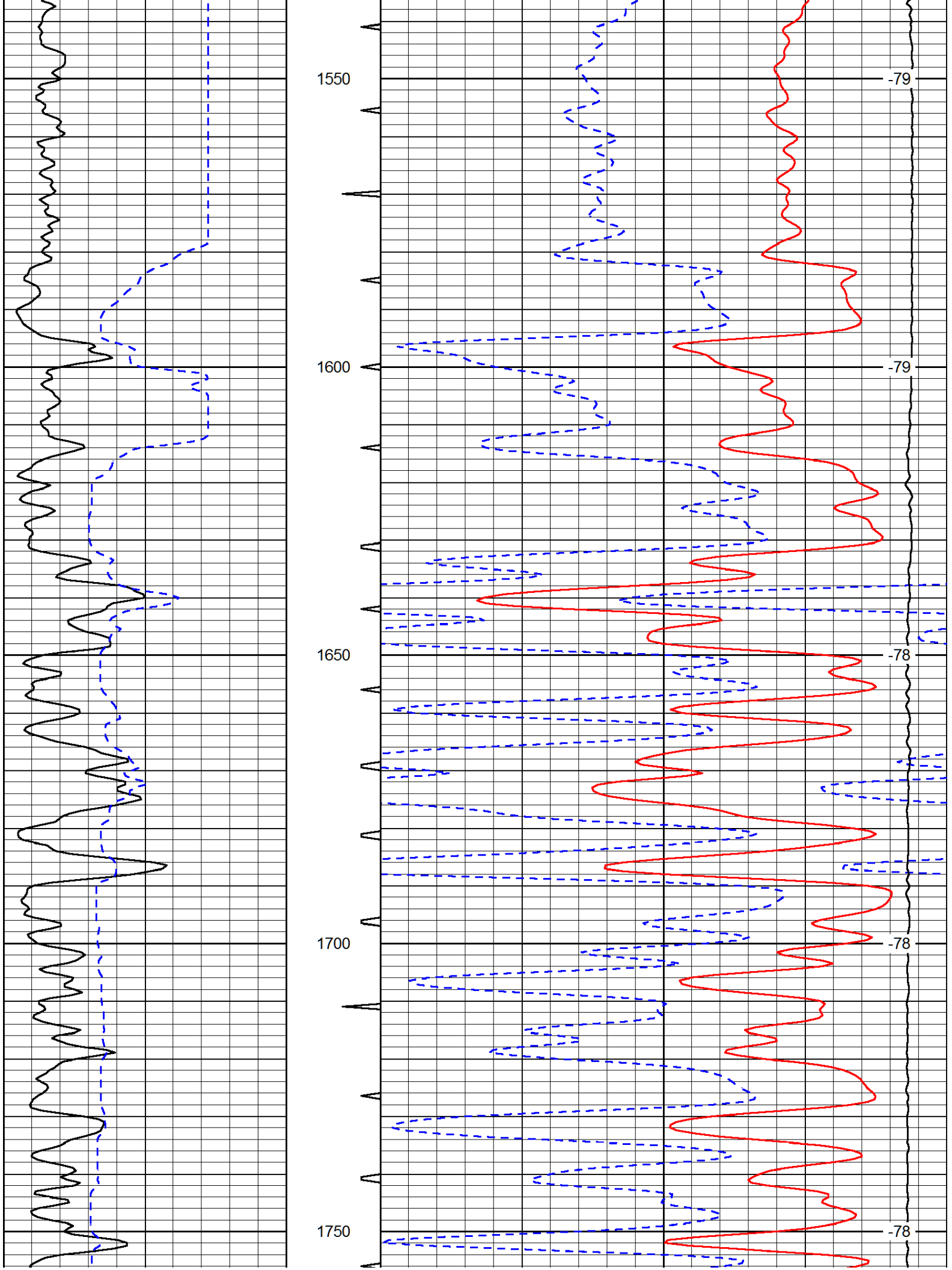

450
500
550
600
650
-87
-87
-86
-86
-86

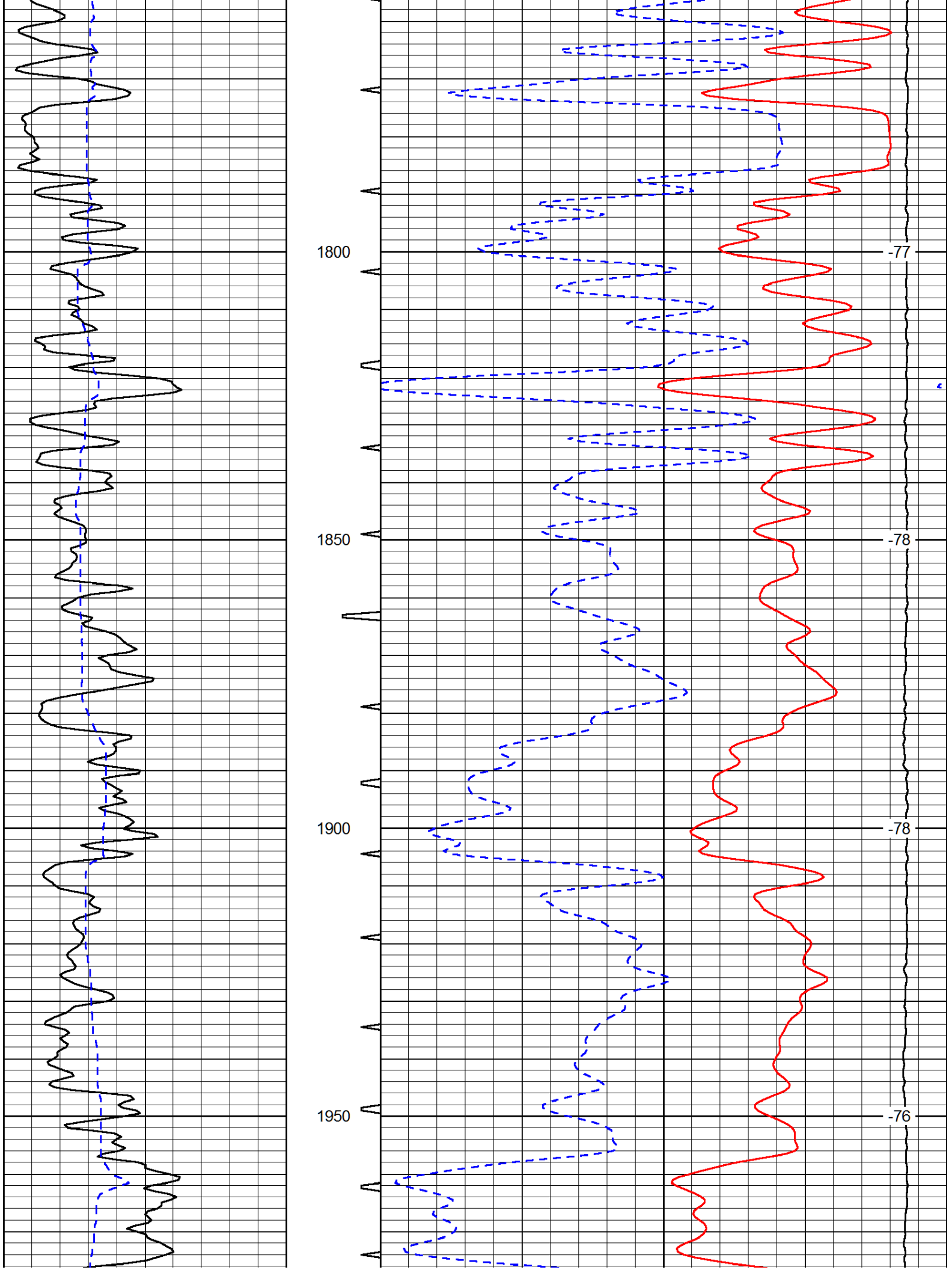

700
750
800
850
-85
-86
-86
-83

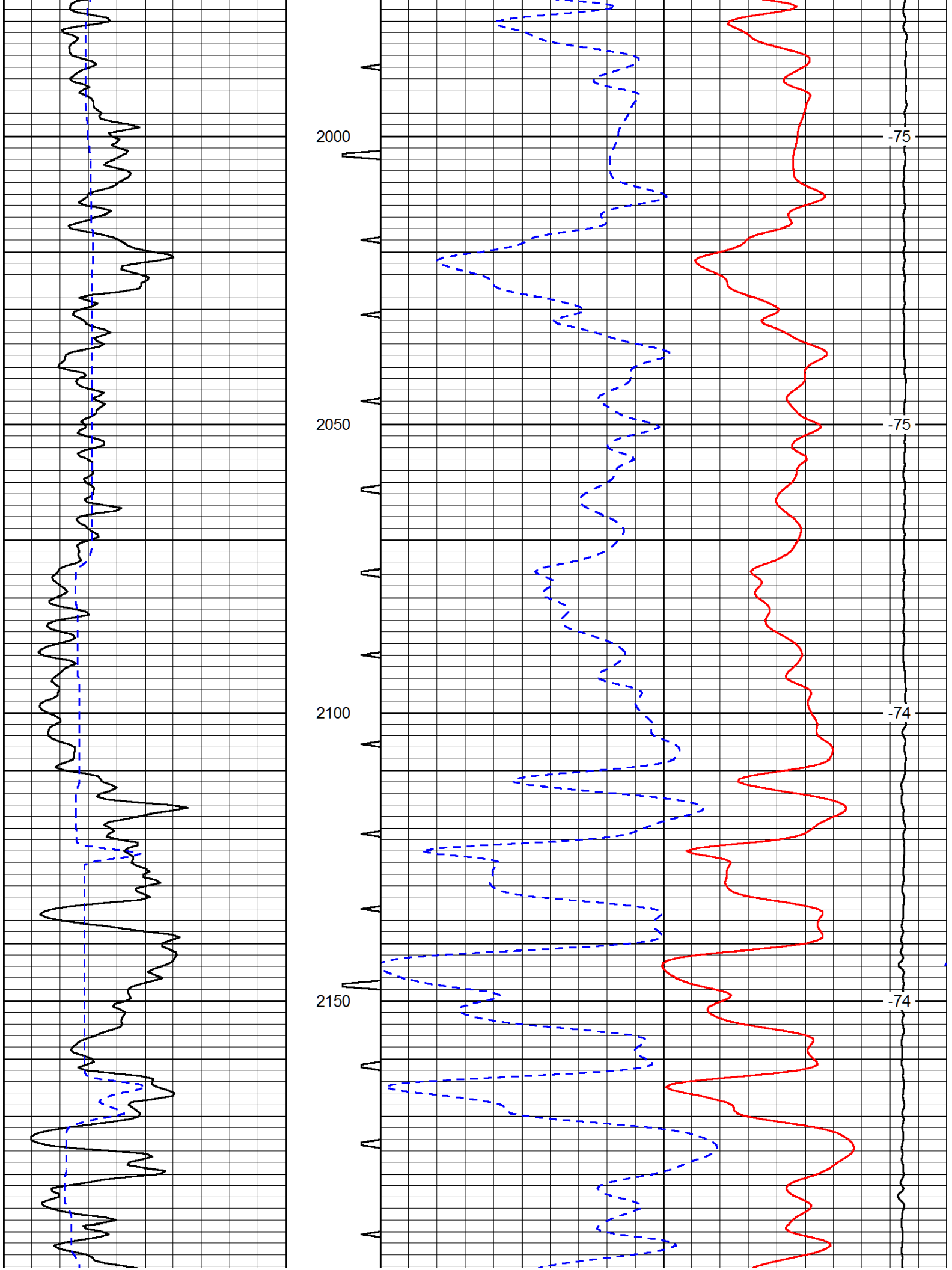

900
950
1000
1050
-83
-83
-83
-82

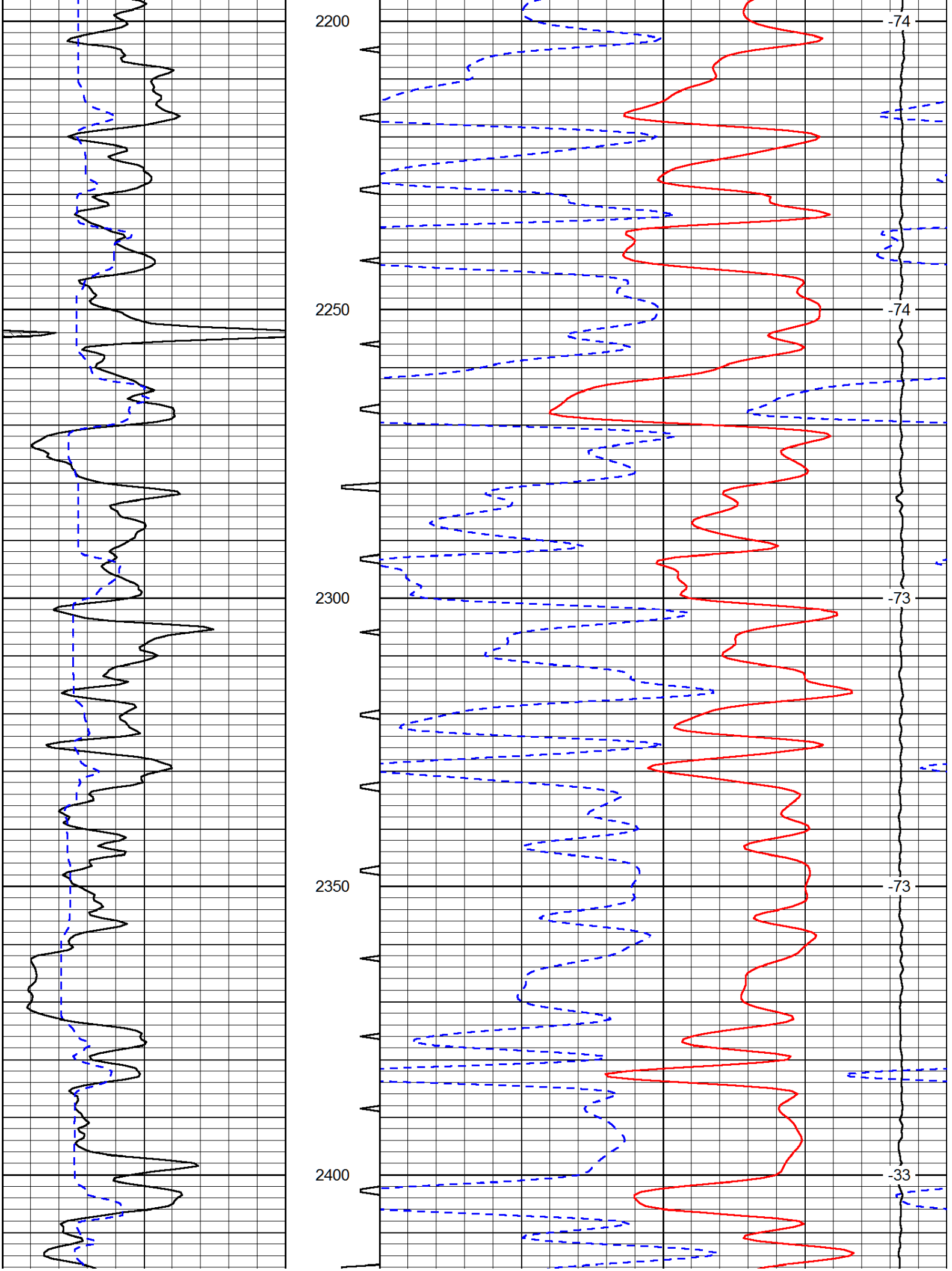

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1150
1200
1250
1300
-83
-82
-83
-82
-82

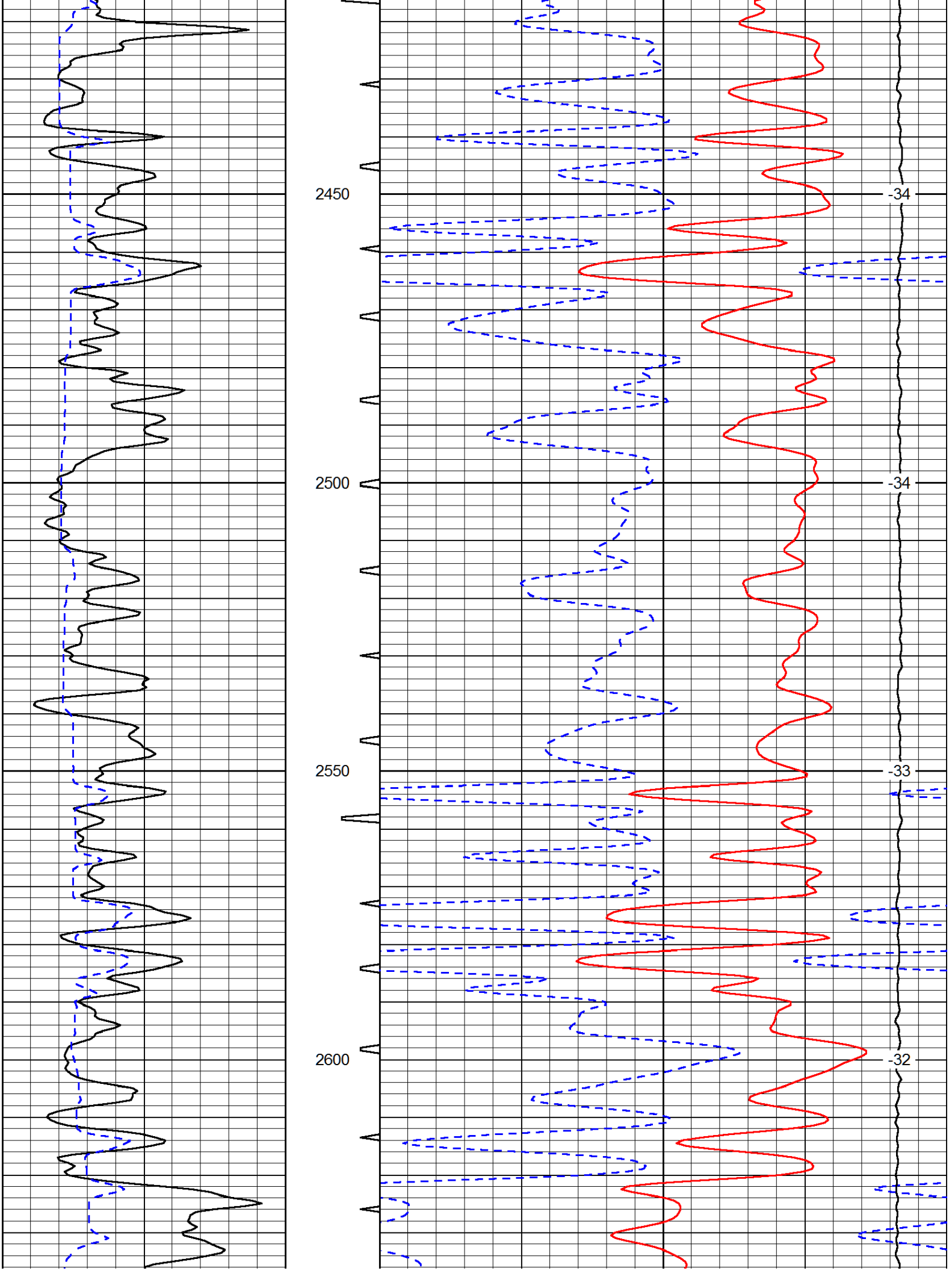

1350
-80
1400
-79
1450
-79
1500
-79

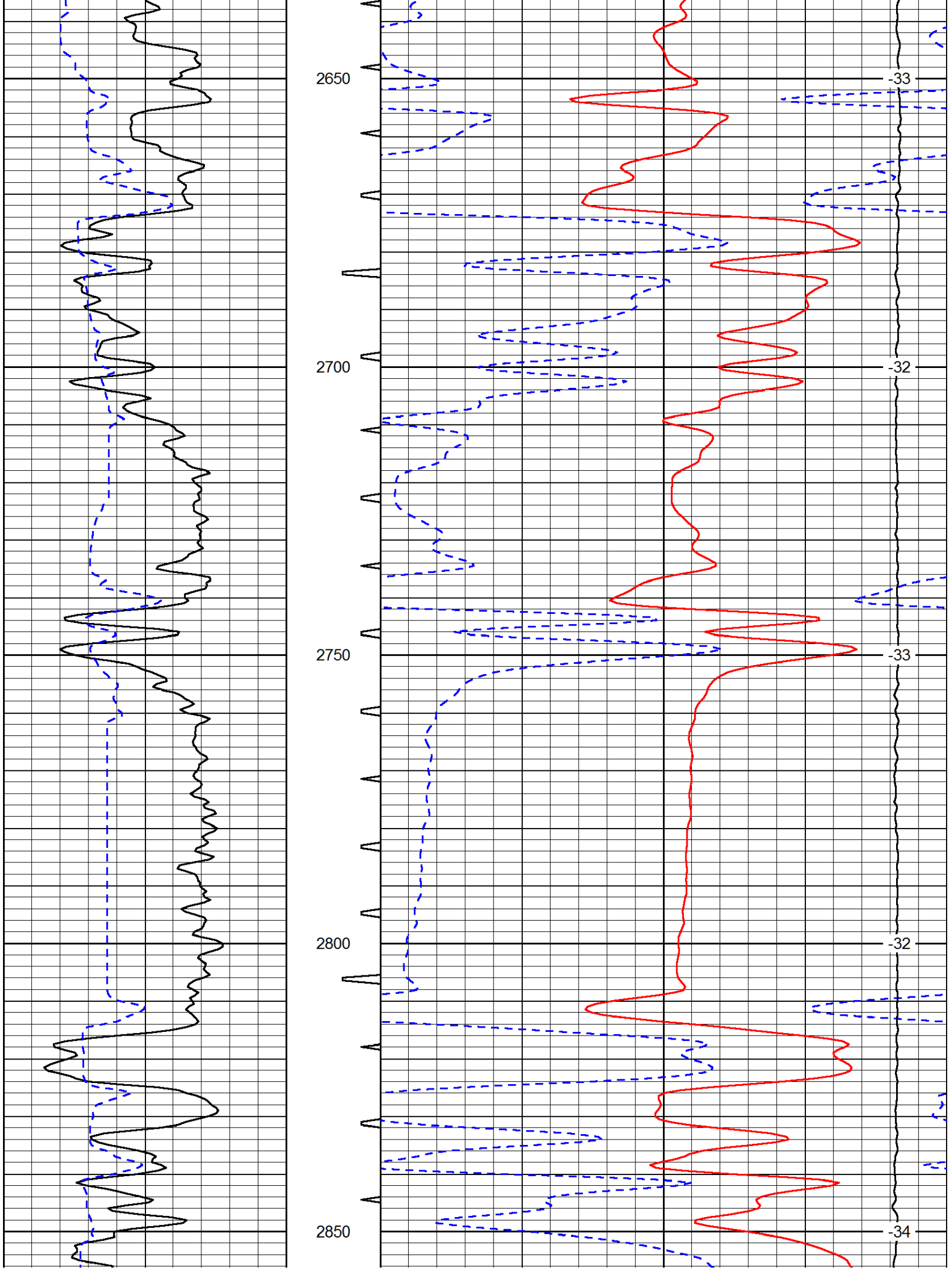

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-79
1600
-79
1650
-78
1700
-78
1750
-78

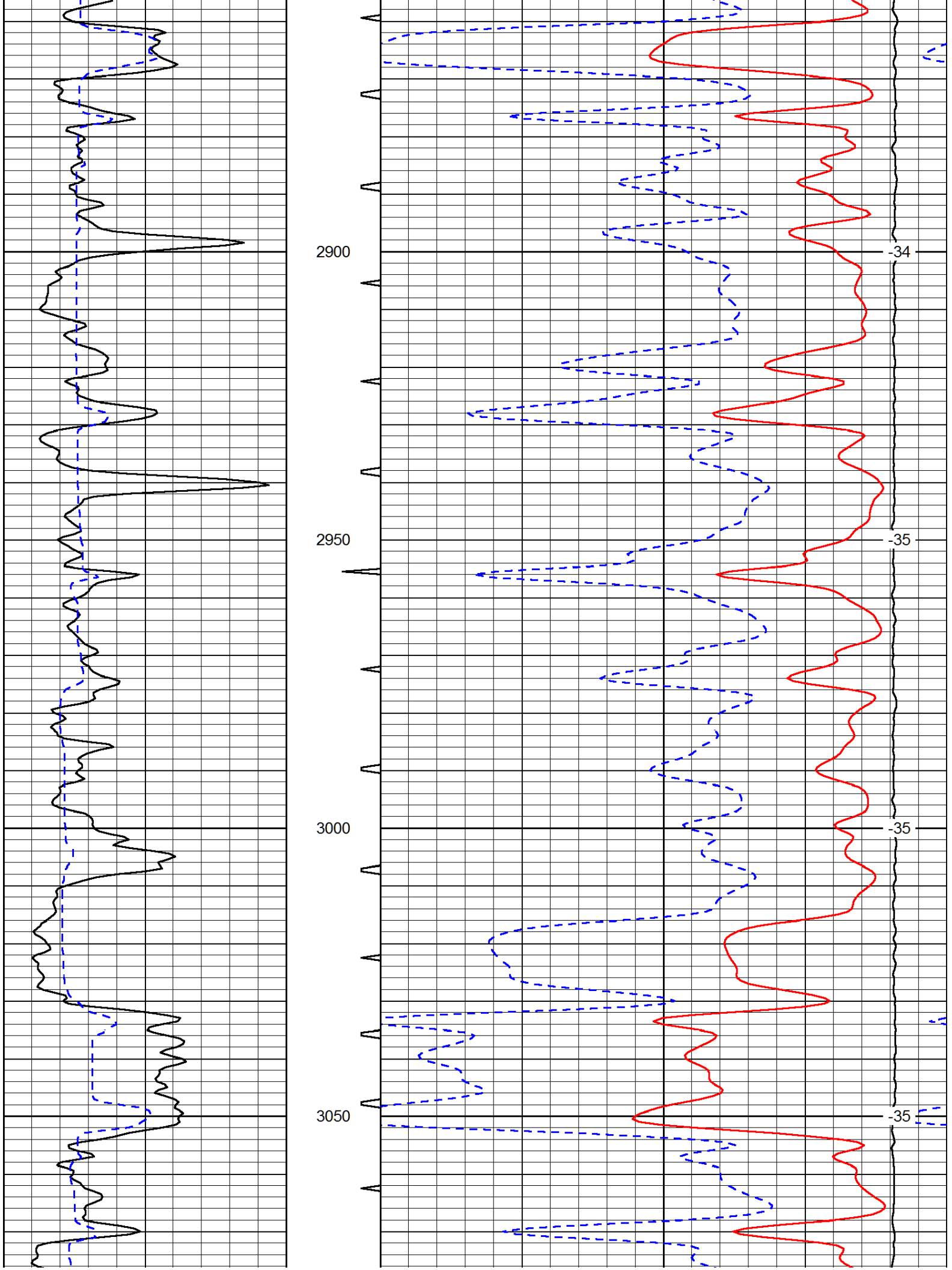

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1850
1900
1950
-77
-78
-78
-76

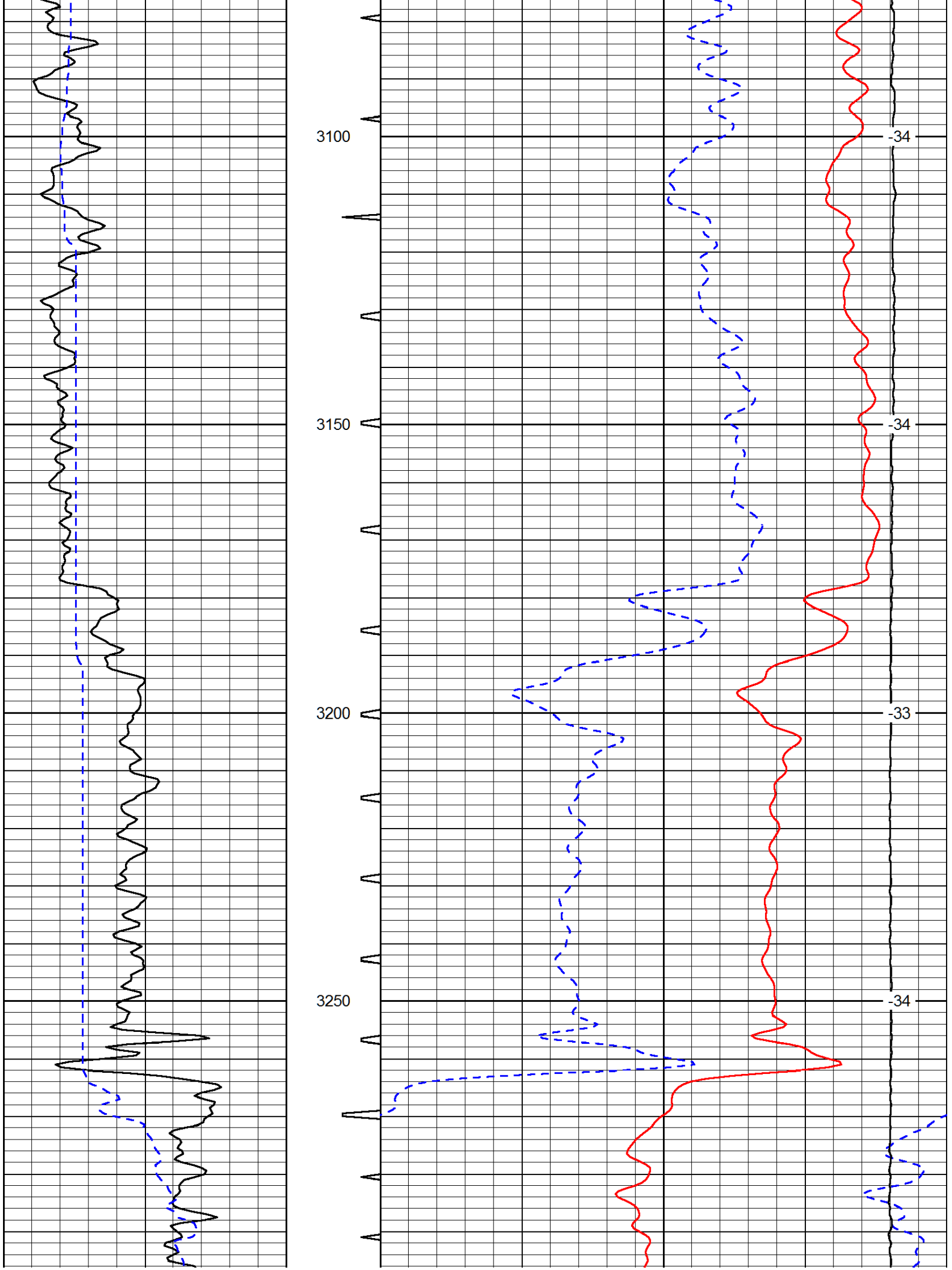

2000
2050
2100
2150
-75
-75
-74
-74

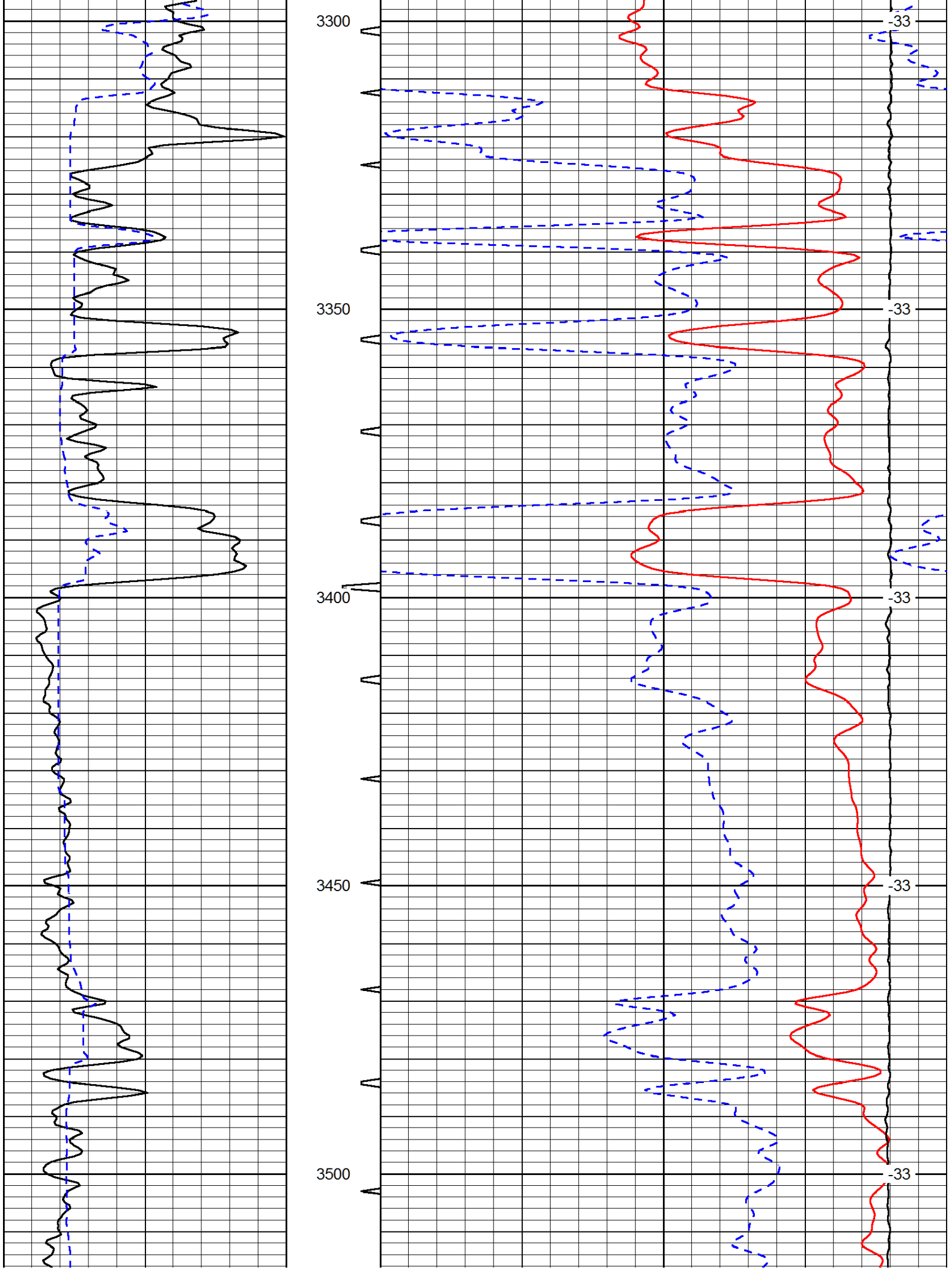

2200
2250
2300
2350
2400
-74
-74
-73
-73
-33

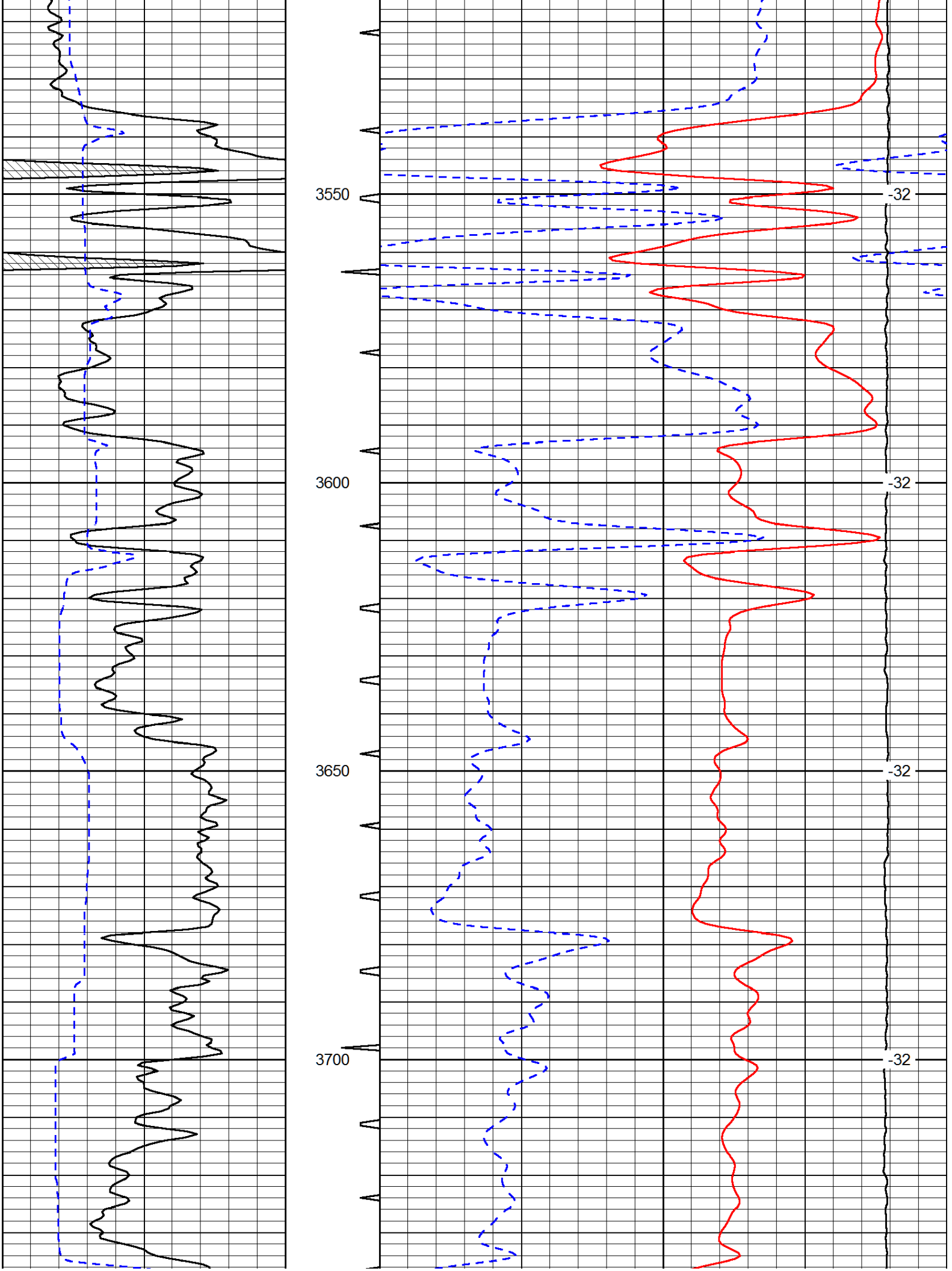

2450
2500
2550
2600
-34
-34
-33
-32

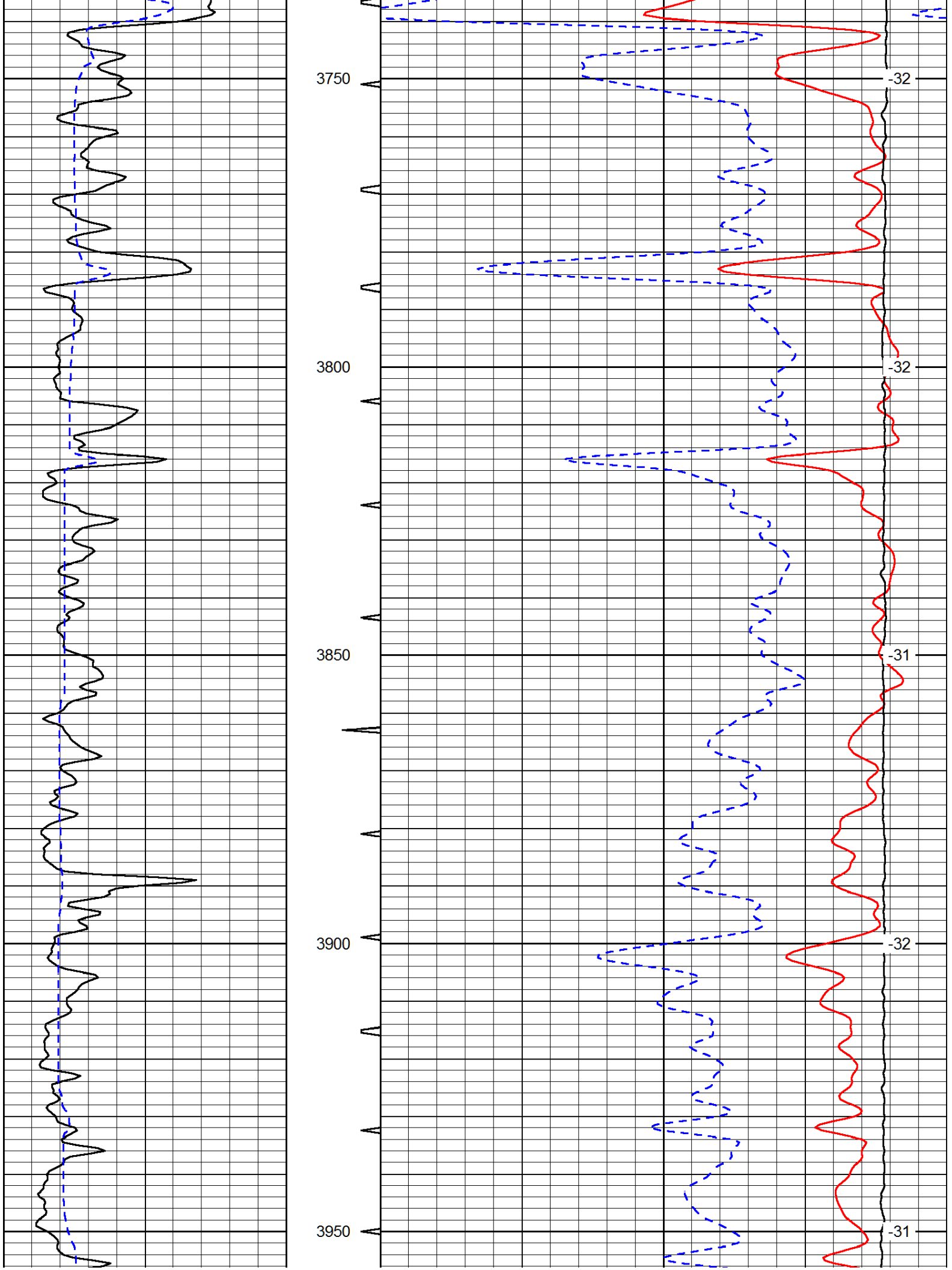

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2750
2800
2850
-33
-32
-33
-32
-34

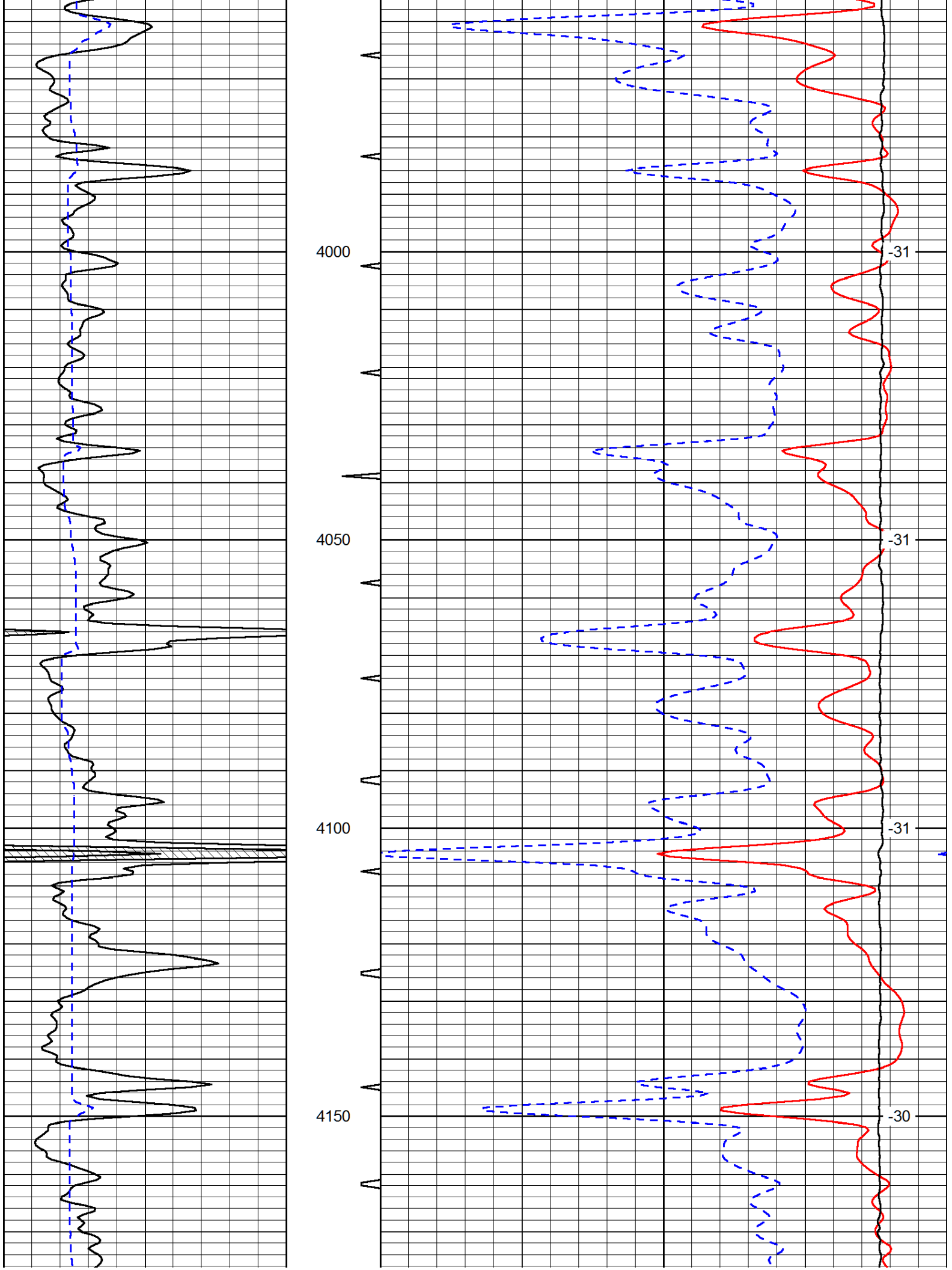

2900
2950
3000
3050
-34
-35
-35
-35

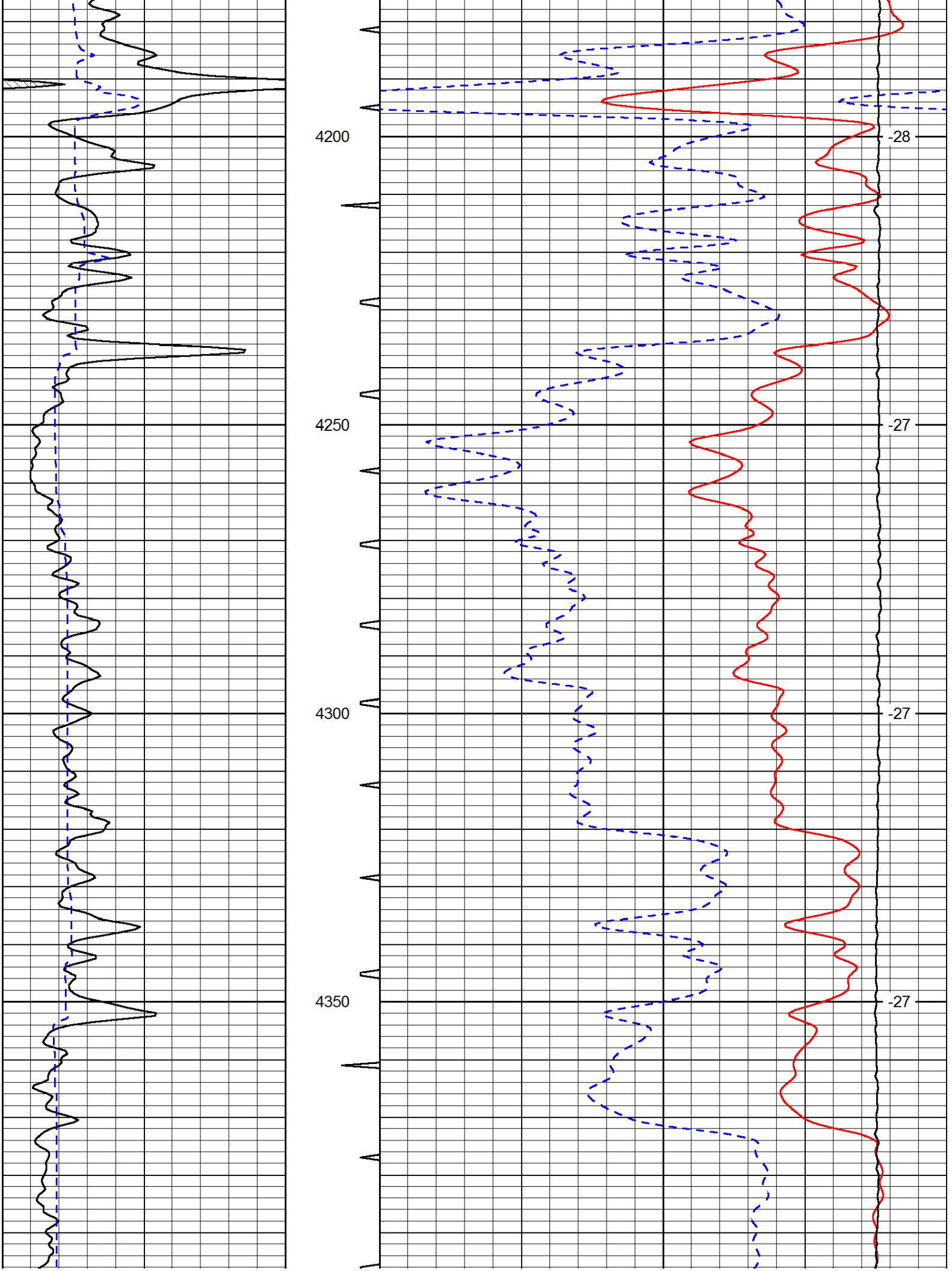

3100
3150
3200
3250
-34
-34
-33
-34

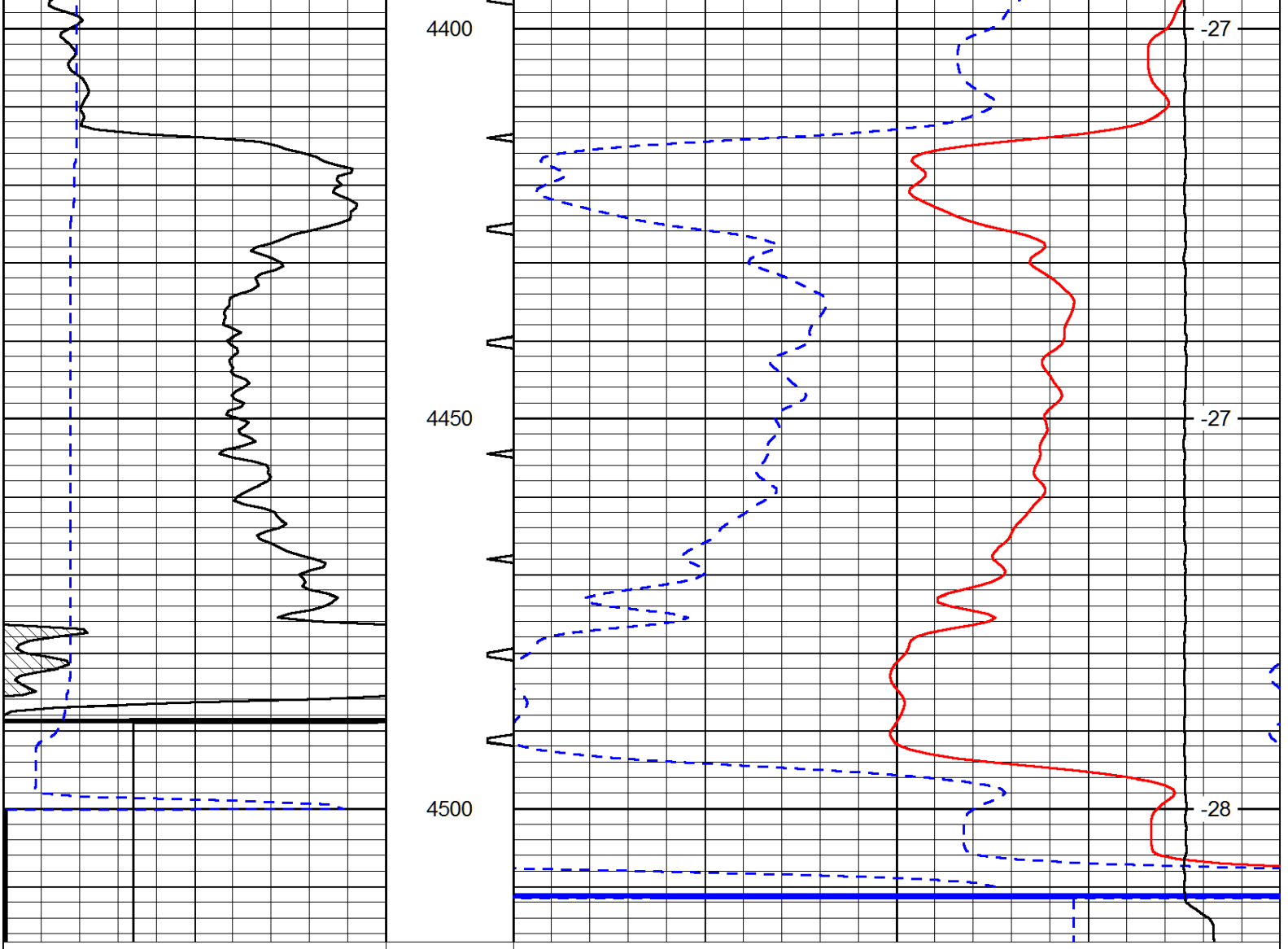

3300
3350
3400
3450
3500
-33
-33
-33
-33
-33


3550
3600
3650
3700
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-32
-32
-32


3750
-32
3800
-32
3850
-31
3900
-32
3950
-31


4000
4050
4100
4150
-31
-31
-31
-30


4200
4250
4300
4350
-28
-27
-27
-27



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)