PIONEER

Pioneer Energy Services

Dual Induction Log

Company	Norstar Petroleum, Inc.
Well	Barrett Survivors Trust #1-36
Field	
County	Thomas
State	Kansas
API No.	15-193-20,883-00-00
Location	1976' FSL & 1997' FWL
Sec: 36	Twp: 9S Rge: 35W
Permanent Datum	Ground Level
Elevation 3284	
Log Measured From	Kelly Bushing
5	Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing

Other Services
CNL/CDL
MEL

Elevation
K.B. 3289
D.F.
G.L. 3284

Date	3/7/2013					
Run Number	One					
Depth Driller	4890					
Depth Logger	4893					
Bottom Logged Interval	4892					
Top Log Interval	300					
Casing Driller	8.625 @ 316					
Casing Logger	316					
Bit Size	7.875					
Type Fluid in Hole	Chemical					
Salinity,ppm CL	9,700					
Density / Viscosity	9.2	54				
pH / Fluid Loss	11.0	7.6				
Source of Sample	Flowline					
Rm @ Meas. Temp	.28 @ 44					
Rmf @ Meas. Temp	.21 @ 44					
Rmc @ Meas. Temp	.38 @ 44					
Source of Rmf / Rmc	Charts					
Rm @ BHT	.1 @ 125					
Operating Rig Time	4 Hours					
Max Rec. Temp. F	125					
Equipment Number	17					
Location	Hays					
Recorded By	C. Desaire					
Witnessed By	Bob Elder					

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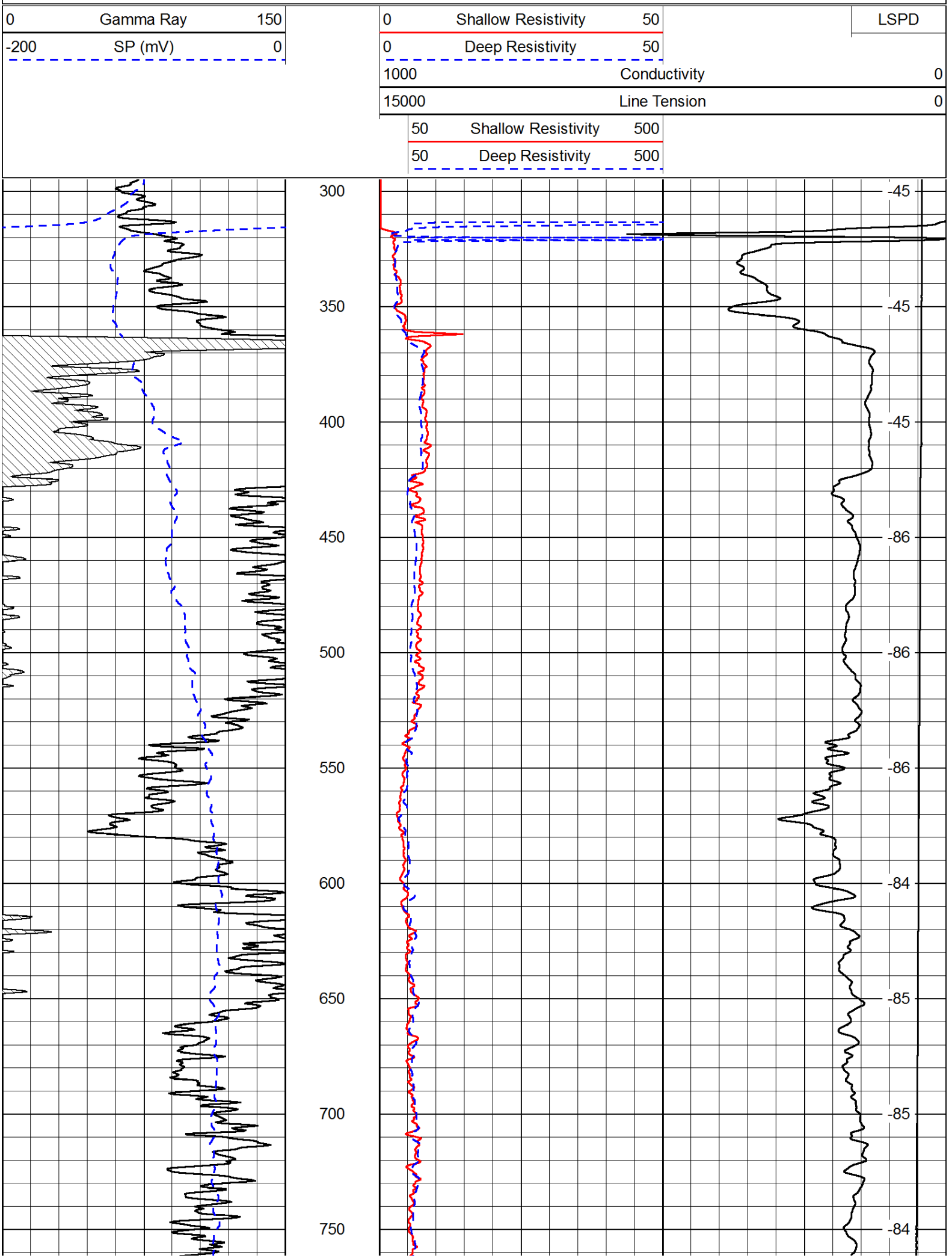
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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 Pioneer Energy Services
www.pioneeres.com
785 625 3858

Levant KS & I-70 Exit, 11 S to G Rd,
1 1/2 E, N Into

Database File:	c:\warrior\data\norstar_barrett survivors trust #1-36\norhd.db
Dataset Pathname:	dil/norstk
Presentation Format:	dil2in
Dataset Creation:	Thu Mar 07 08:54:44 2013
Charted by:	Depth in Feet scaled 1:600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0 Deep Resistivity 50
1000 Conductivity 0
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50 Deep Resistivity 500
LSPD
300
350
400
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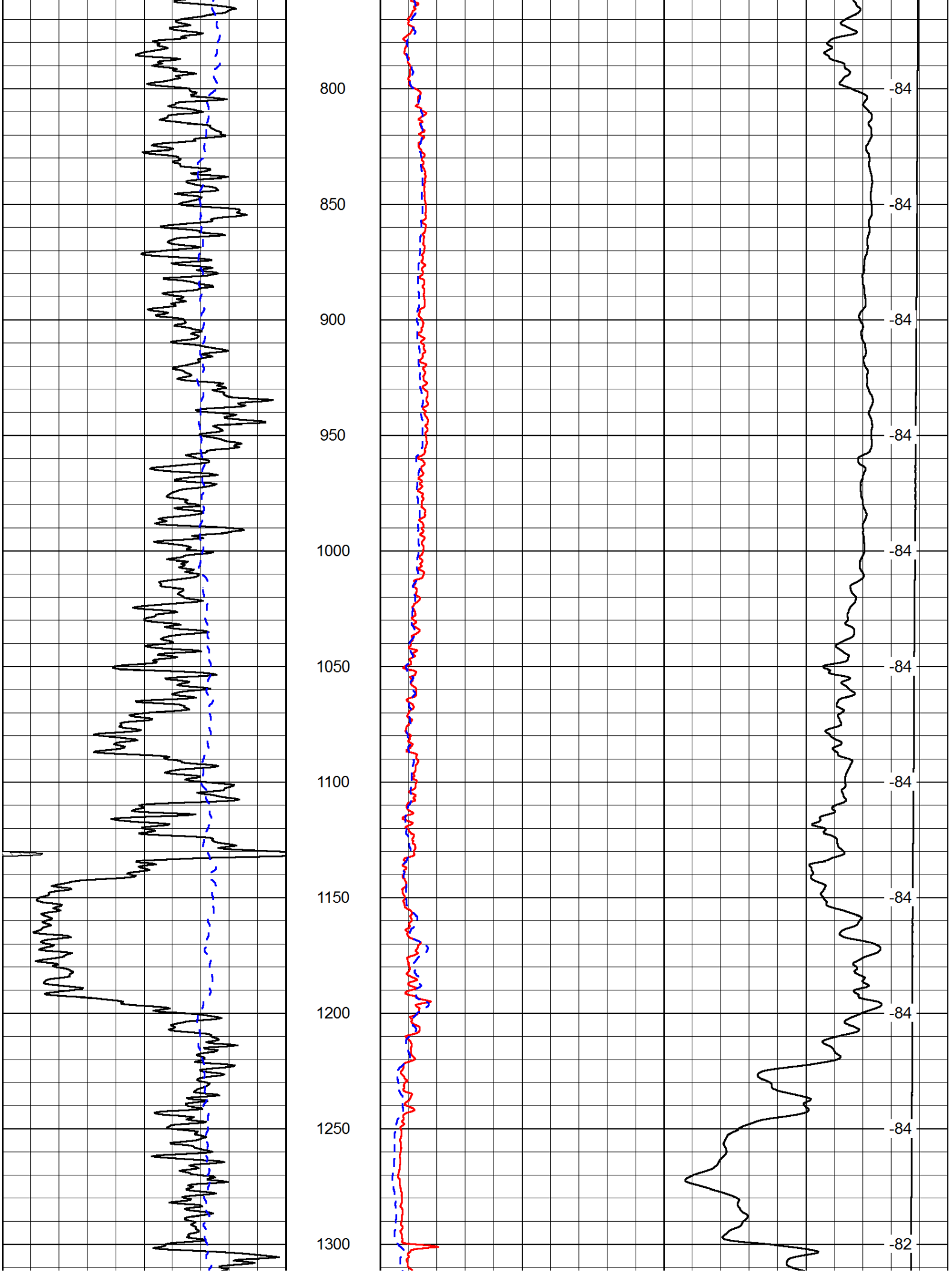
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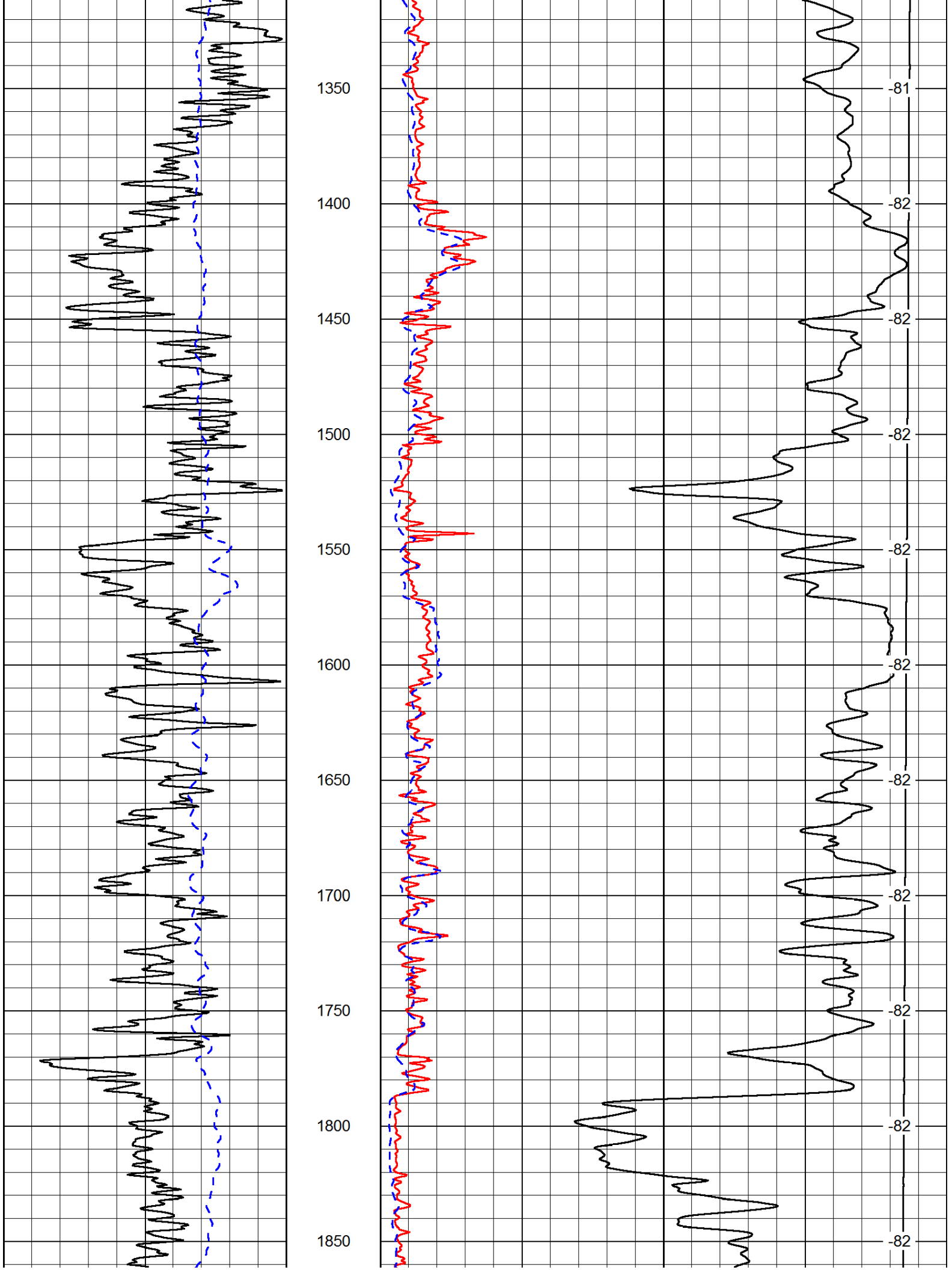
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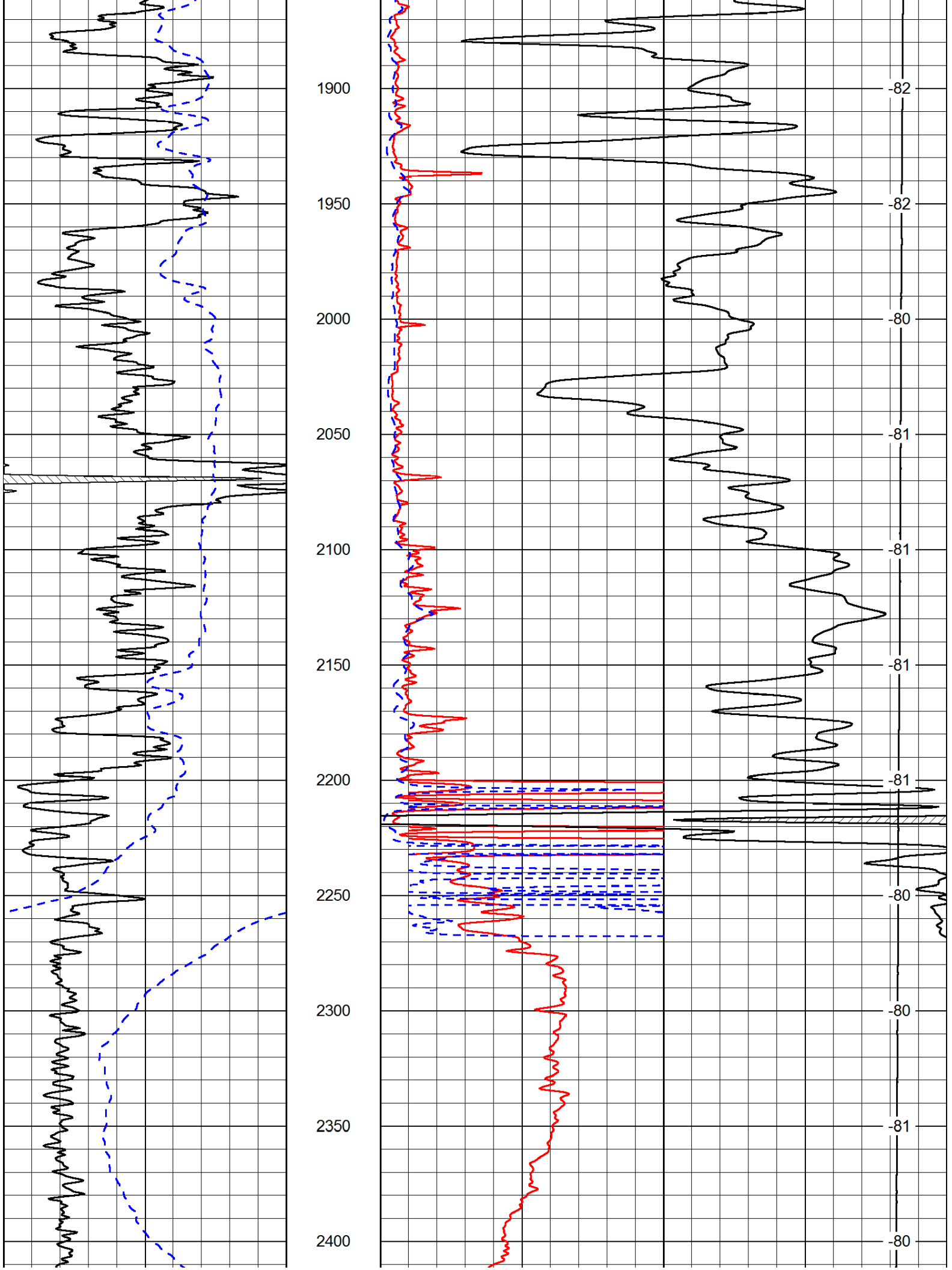
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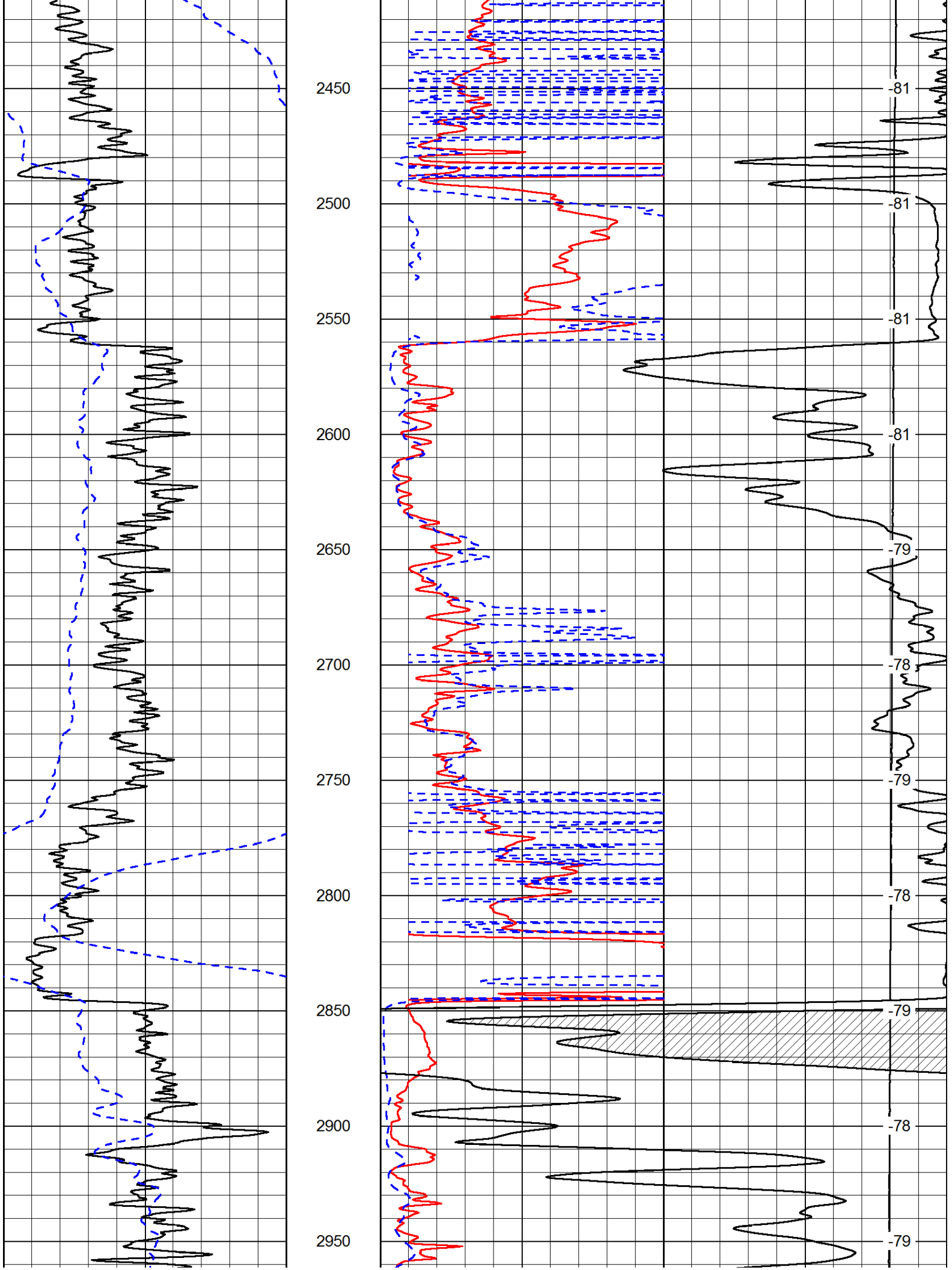
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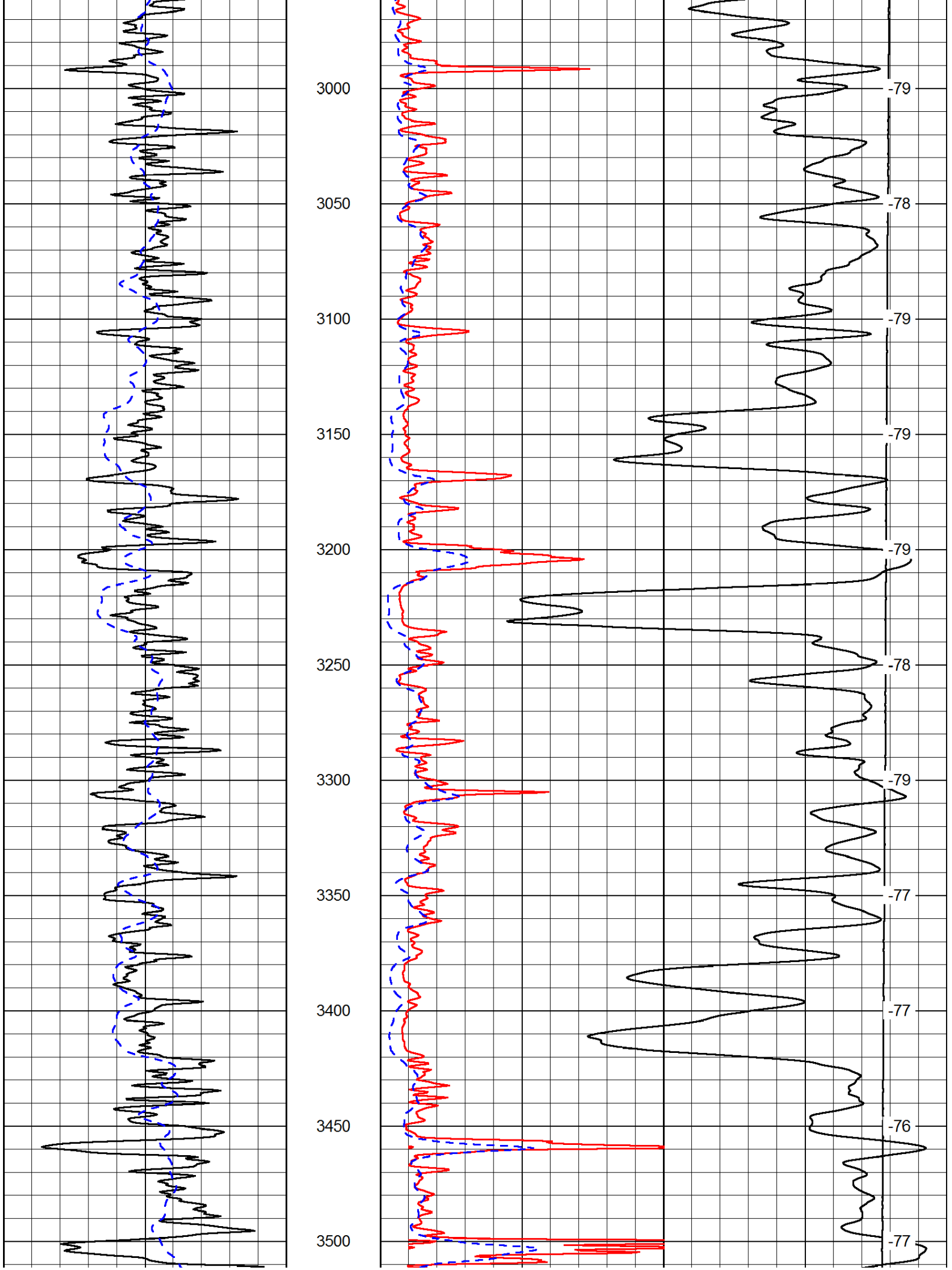
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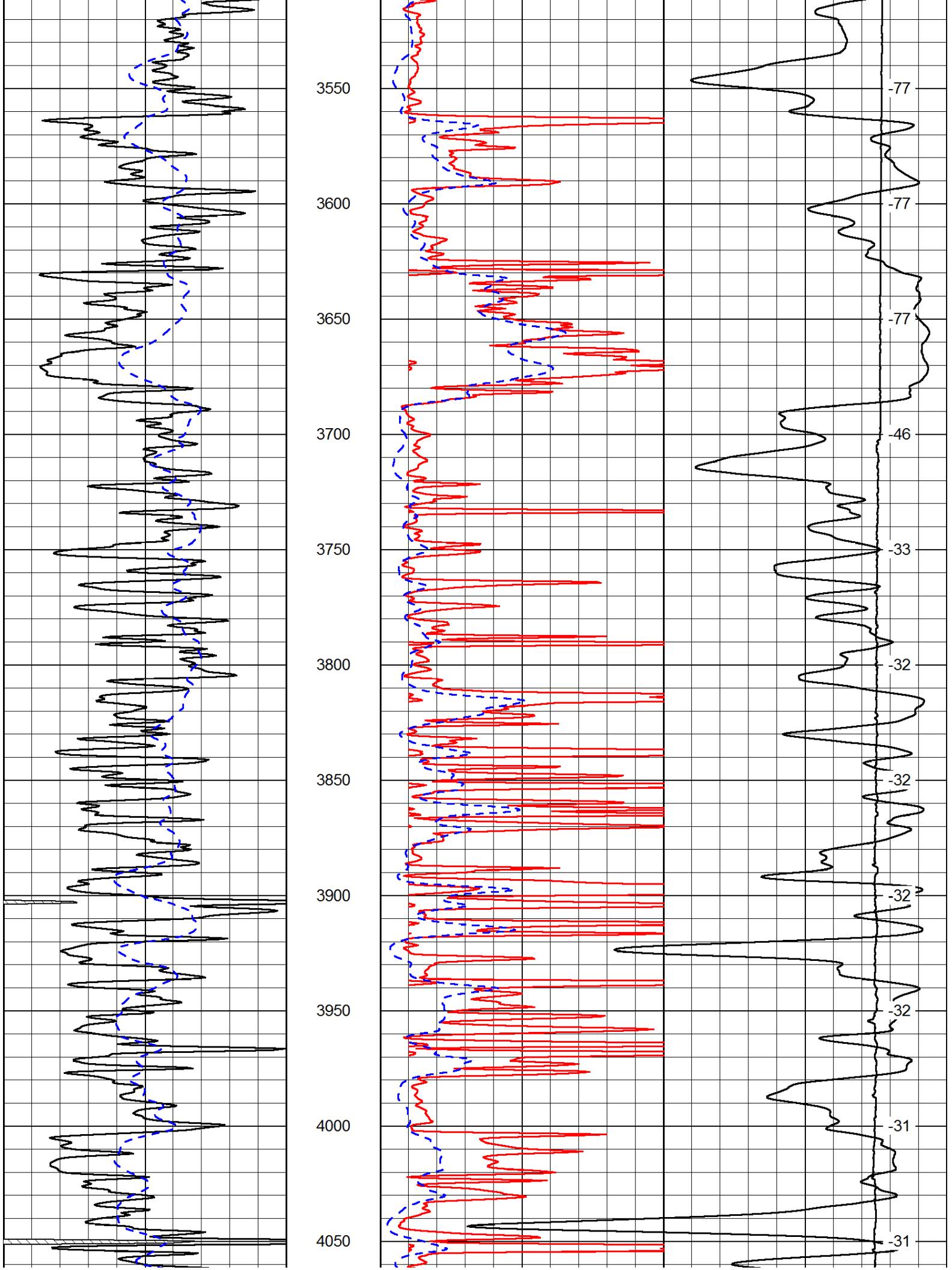
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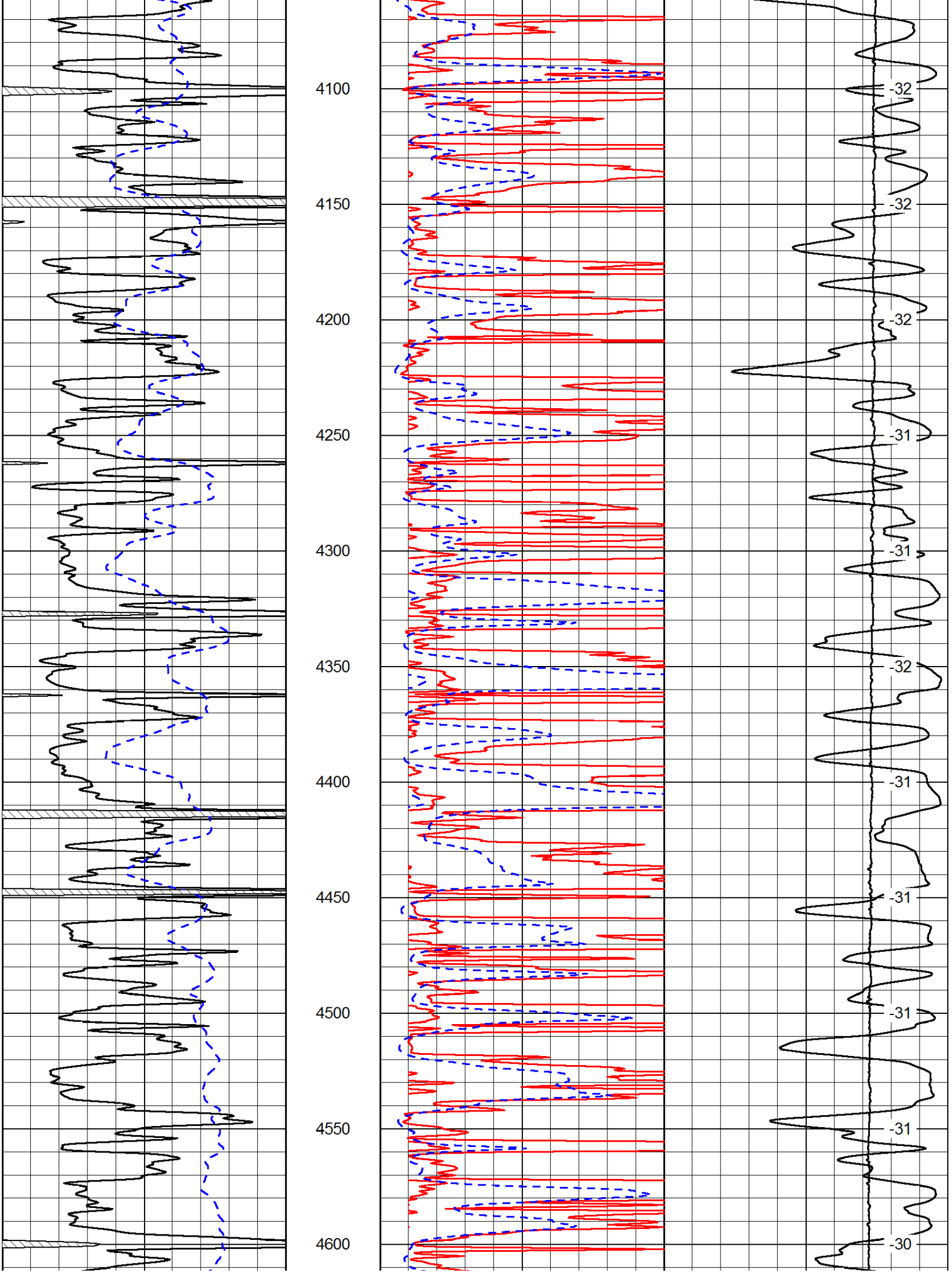
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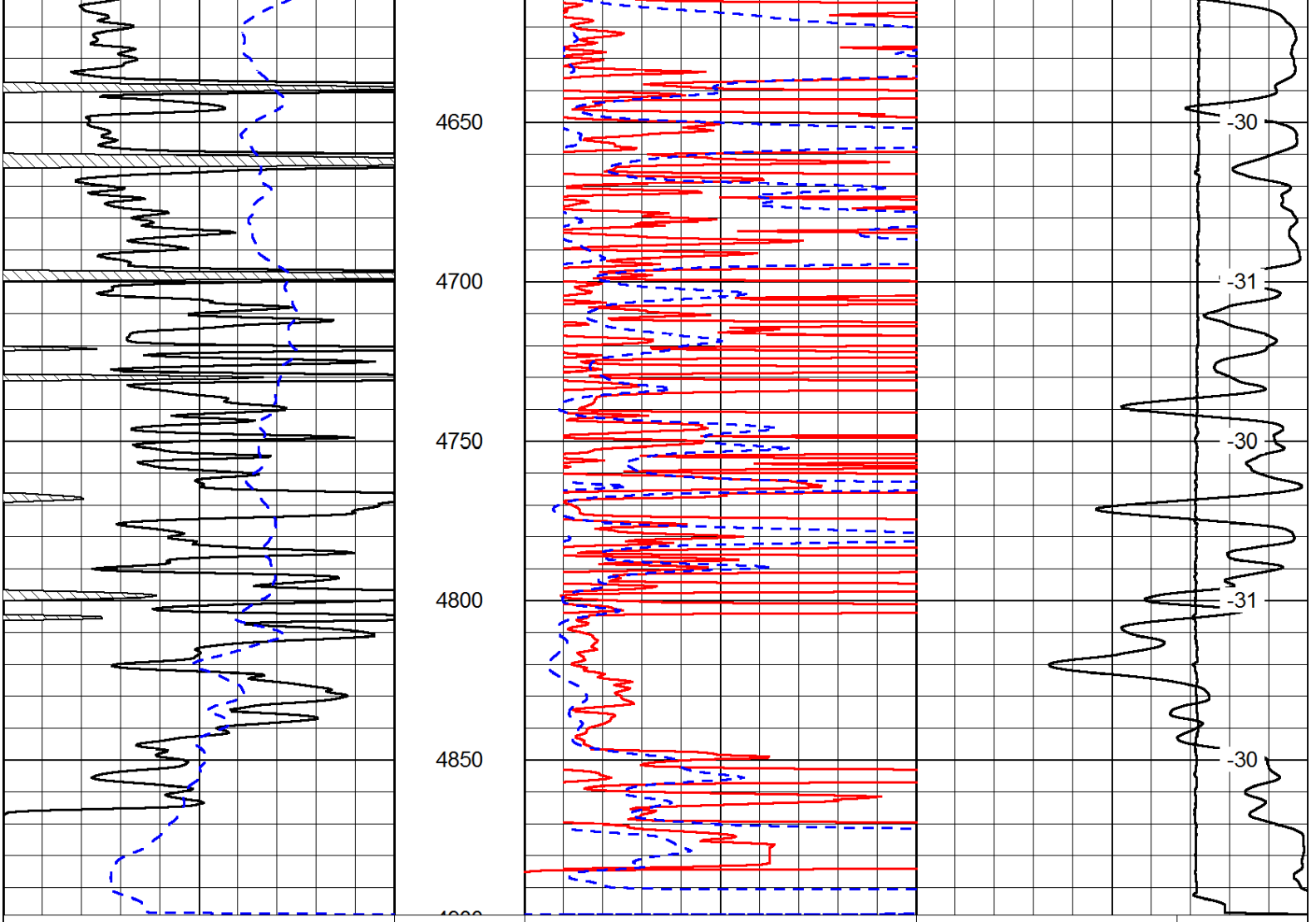

Database File: c:\warrior\data\norstar_barrett survivors trust #1-36\norhd.db
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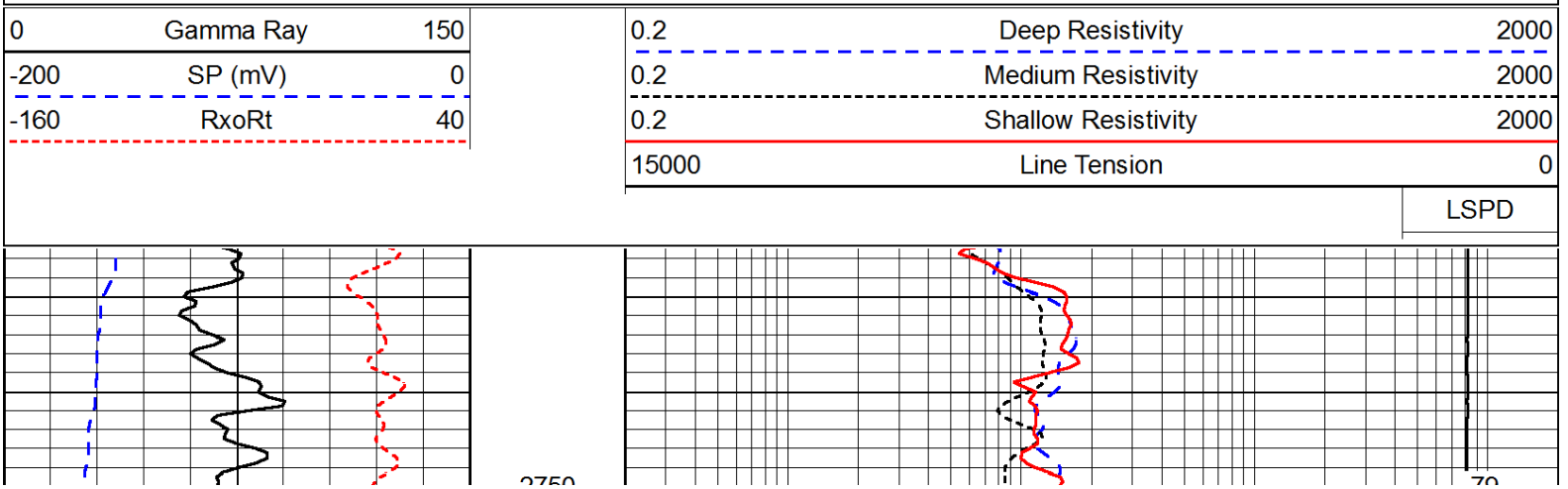
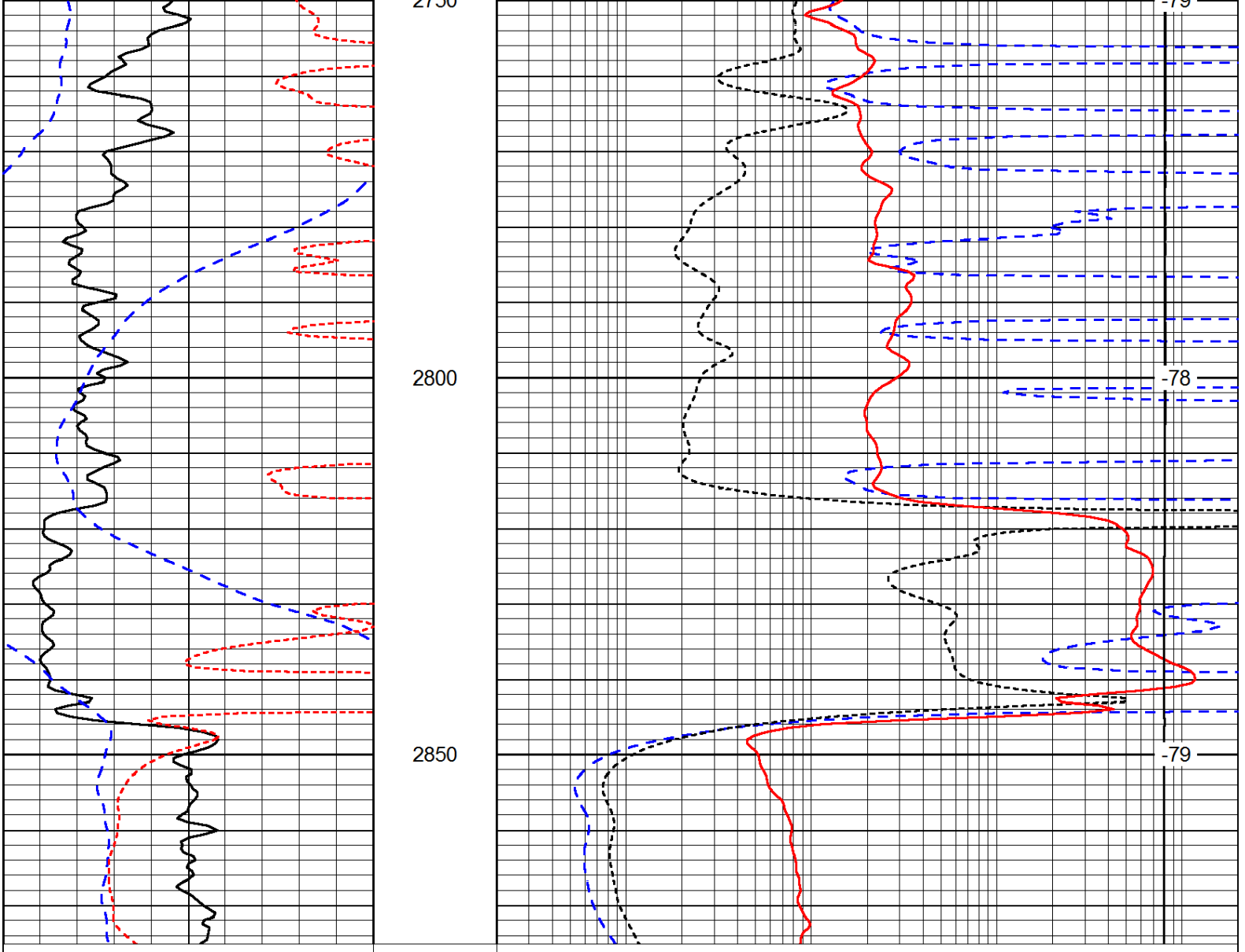
Presentation Format: dil
Dataset Creation: Thu Mar 07 08:54:44 2013
Charted by: Depth in Feet scaled 1:240





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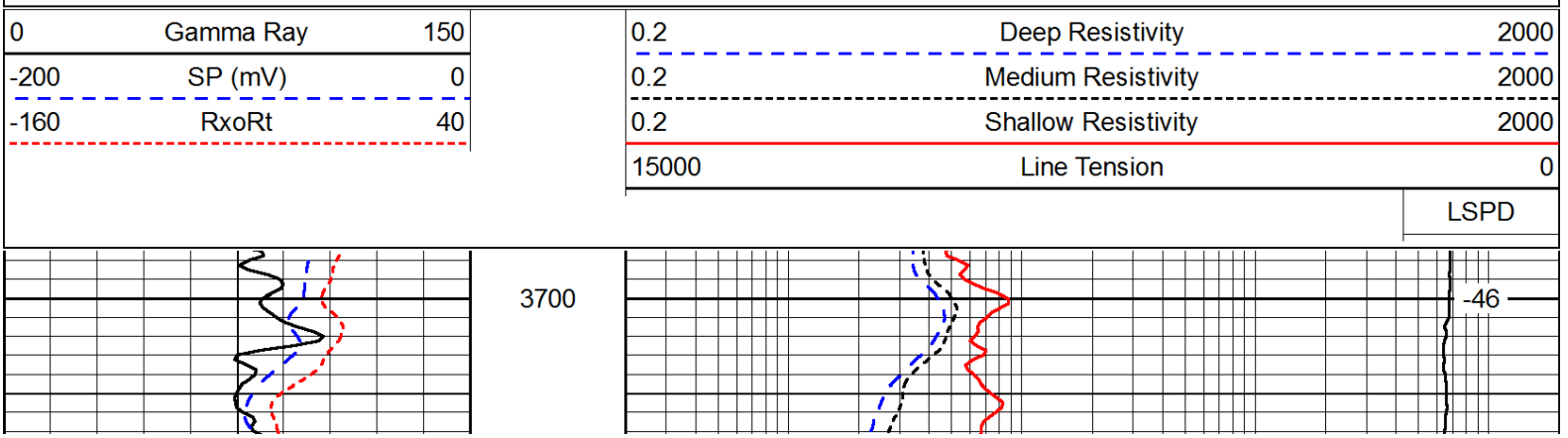

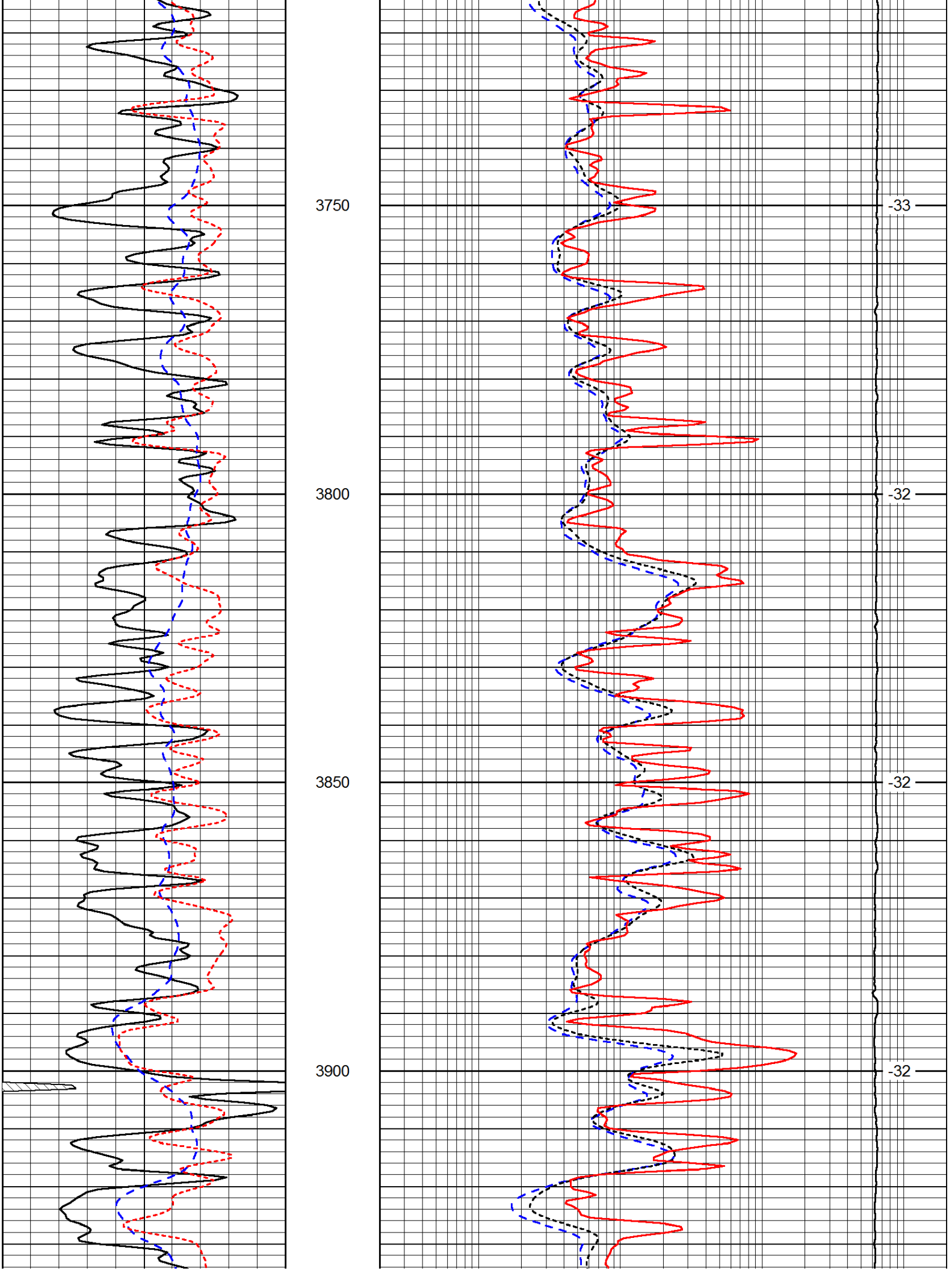
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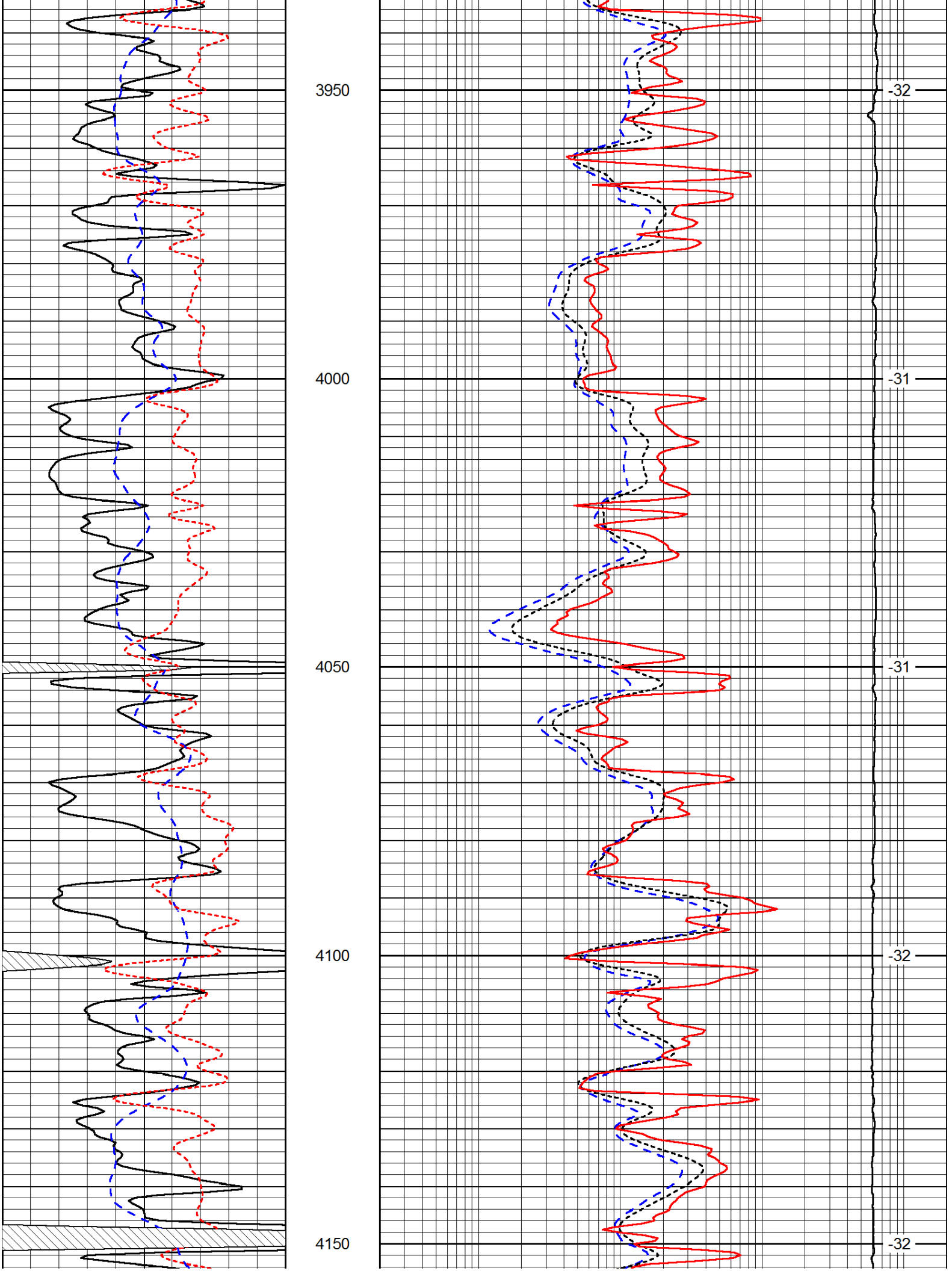
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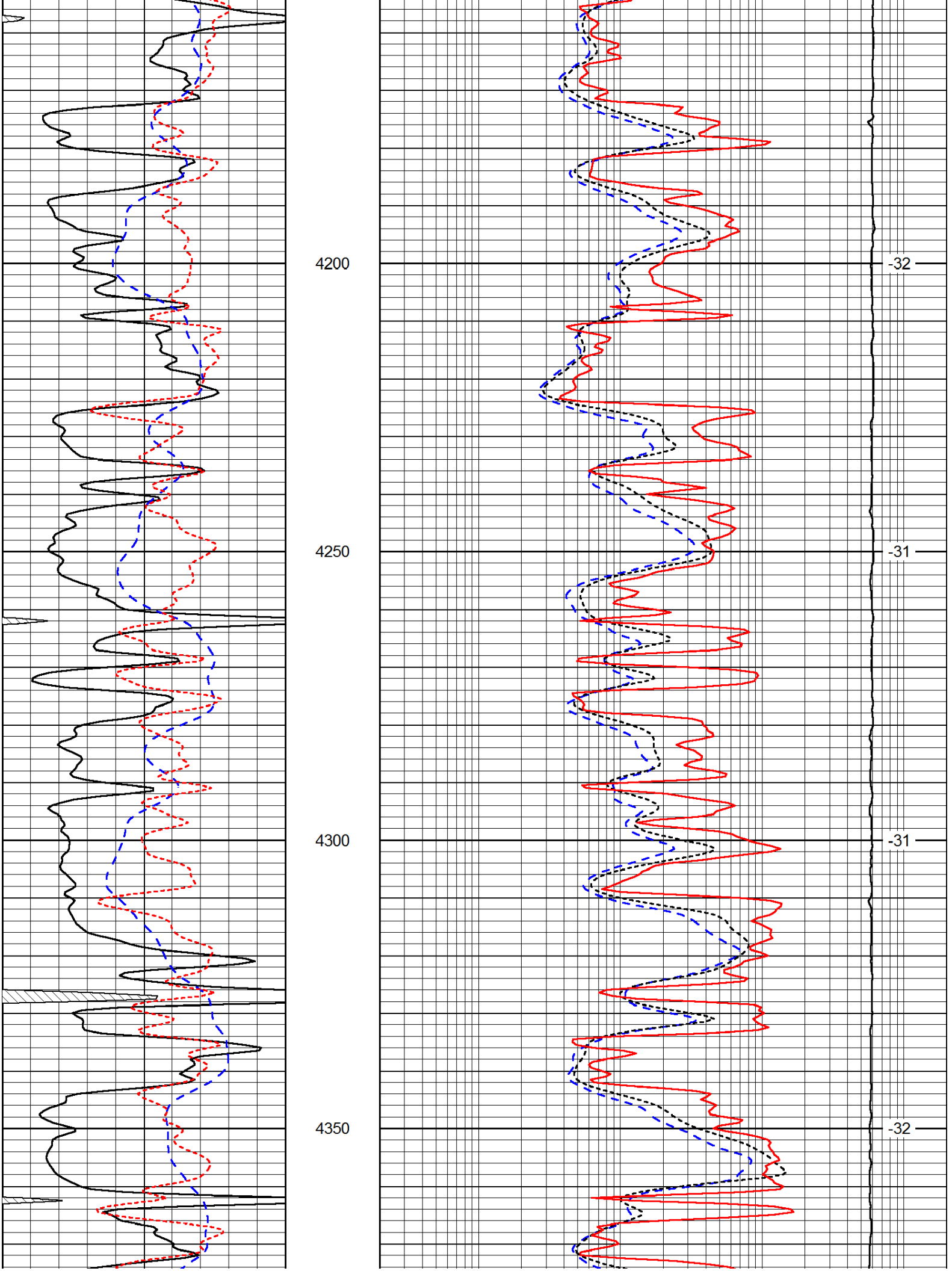
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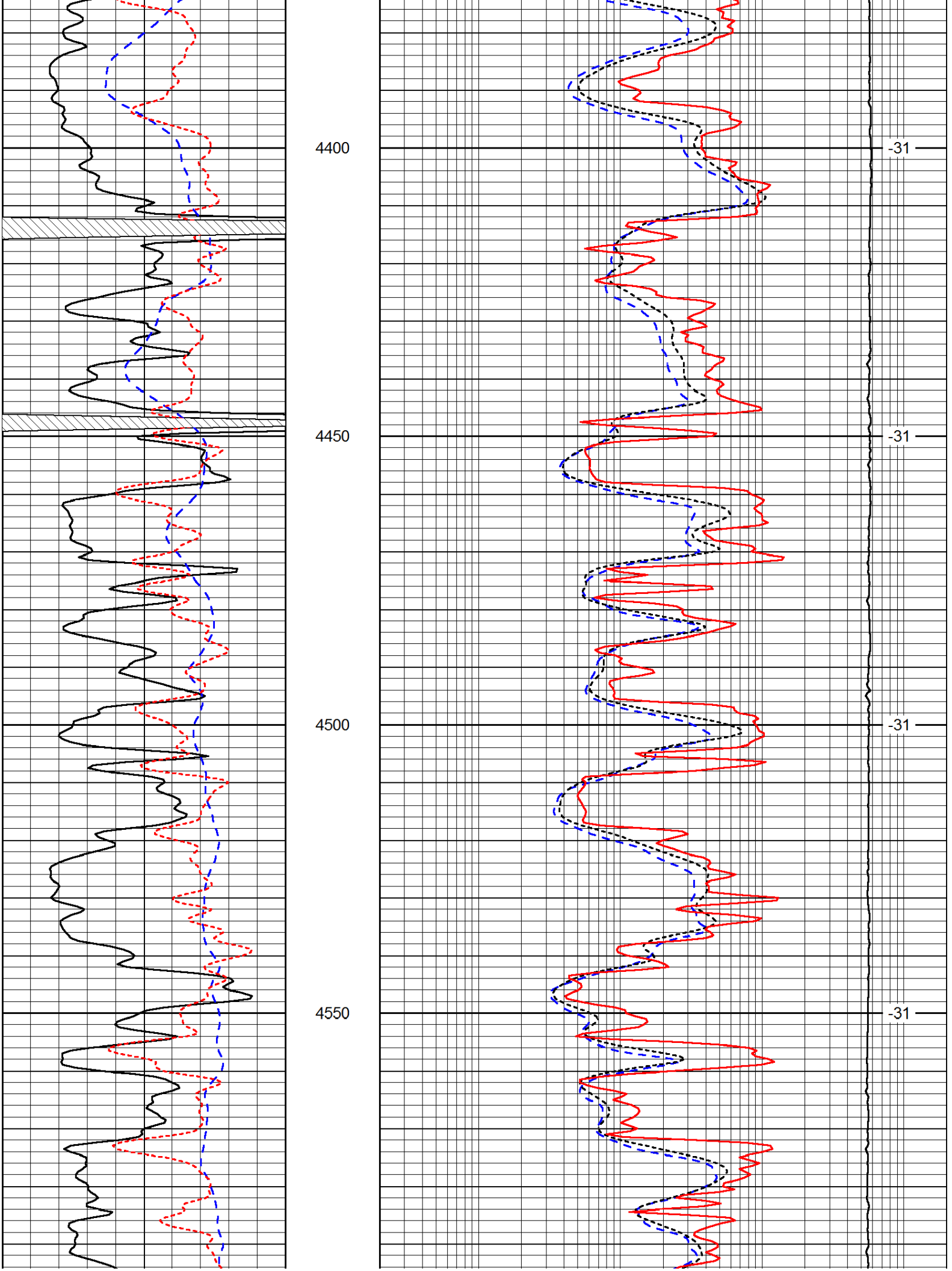
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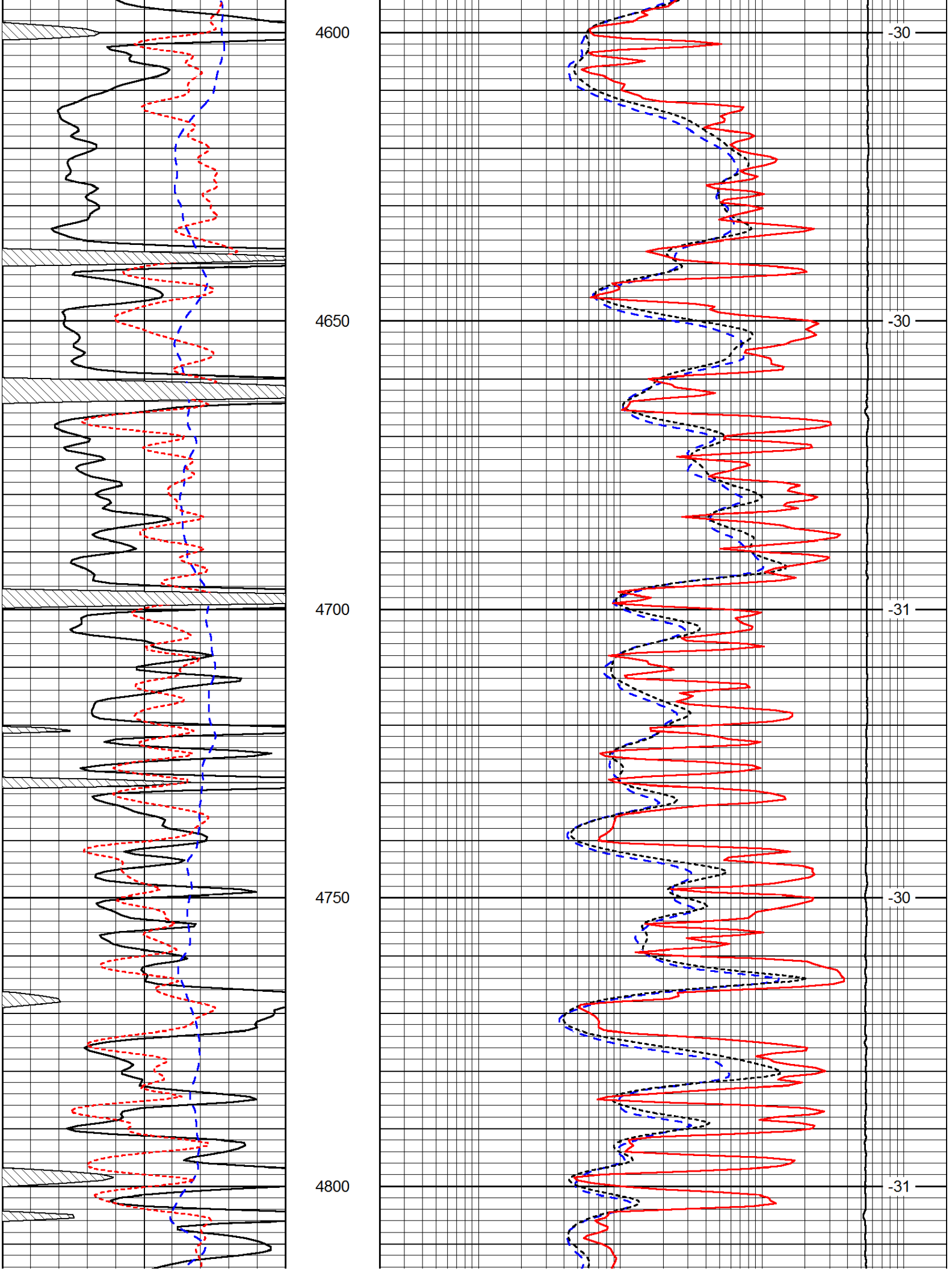
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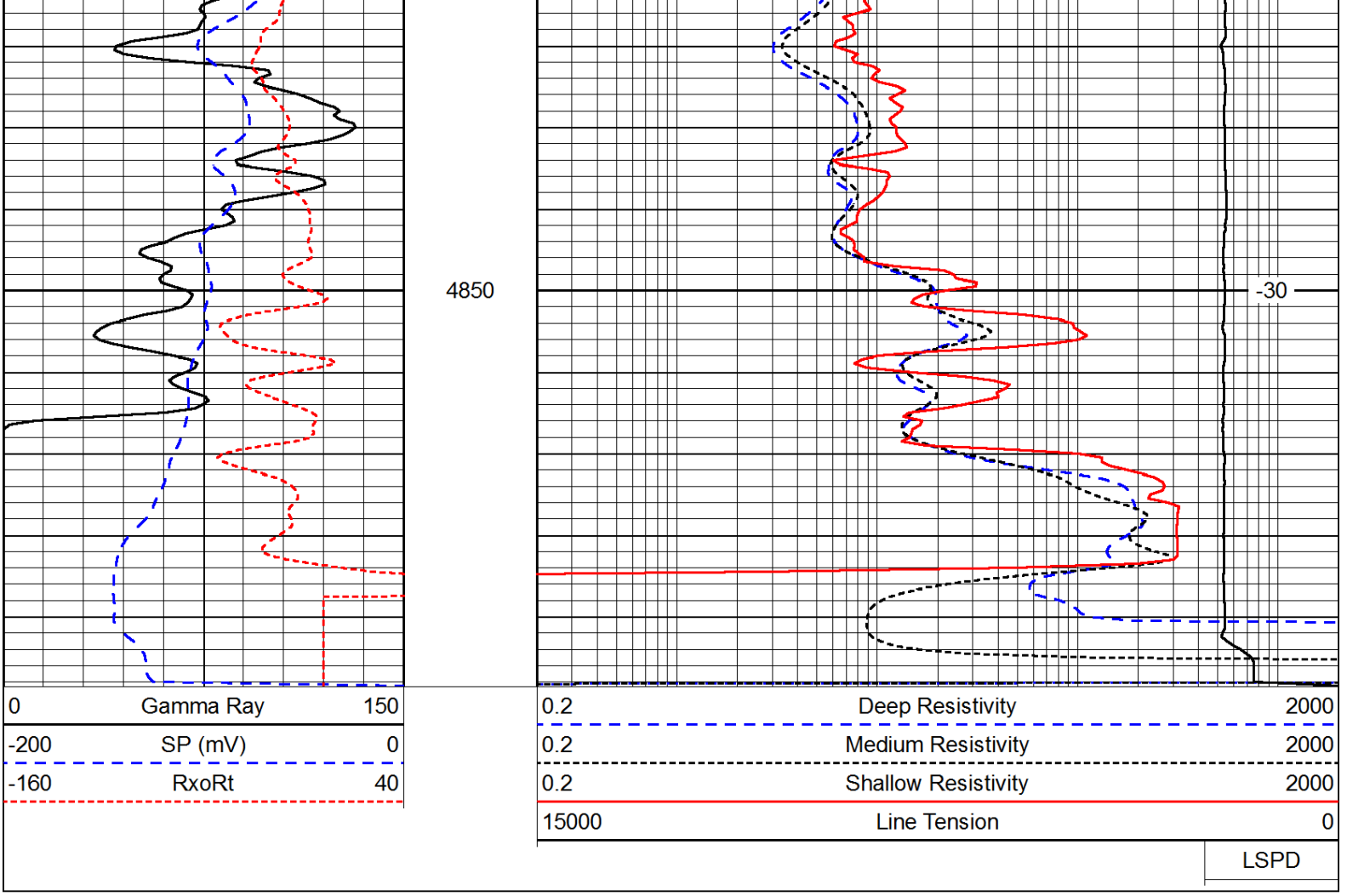
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Gamma Ray
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RxoRt
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0.2
Deep Resistivity
2000
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Medium Resistivity
2000
0.2
Shallow Resistivity
2000
15000
Line Tension
0
LSPD