PIONEER

Pioneer Energy Services

Dual Induction Log

API No.

15-015-20877-00-01

Company: Phillips Oil Properties, Inc.

Well: Benrud #16-1

Field: Long

County: Butler State: Kansas

Location: 1980' FSL & 1980' FEL

Sec: 16 Twp: 26S Rge: 7E

Other Services: CNL/CDL MEL/BHCS

Elevation

K.B. 1493
D.F.
G.L. 1484

Permanent Datum	Ground Level	Elevation 1484
Log Measured From	Kelly Bushing	9 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing	

Date	6/21/2014			
Run Number	One			
Depth Driller	3120			
Depth Logger	3122			
Bottom Logged Interval	3121			
Top Log Interval	150			
Casing Driller	8.625 @ 153			
Casing Logger	156			
Bit Size	7.875			
Type Fluid in Hole	Chemical			
Salinity,ppm CL	900			
Density / Viscosity	8.6	39		
pH / Fluid Loss	12.0	14.8		
Source of Sample	Flowline			
Rm @ Meas. Temp	0.90 @ 78			
Rmf @ Meas. Temp	0.68 @ 78			
Rmc @ Meas. Temp	1.22 @ 78			
Source of Rmf / Rmc	Charts			
Rm @ BHT	0.64 @ 109			
Operating Rig Time	4 Hours			
Max Rec. Temp. F	109			
Equipment Number	91			
Location	Hays			
Recorded By	D. Schmidt			
Witnessed By	Troy Phillips			

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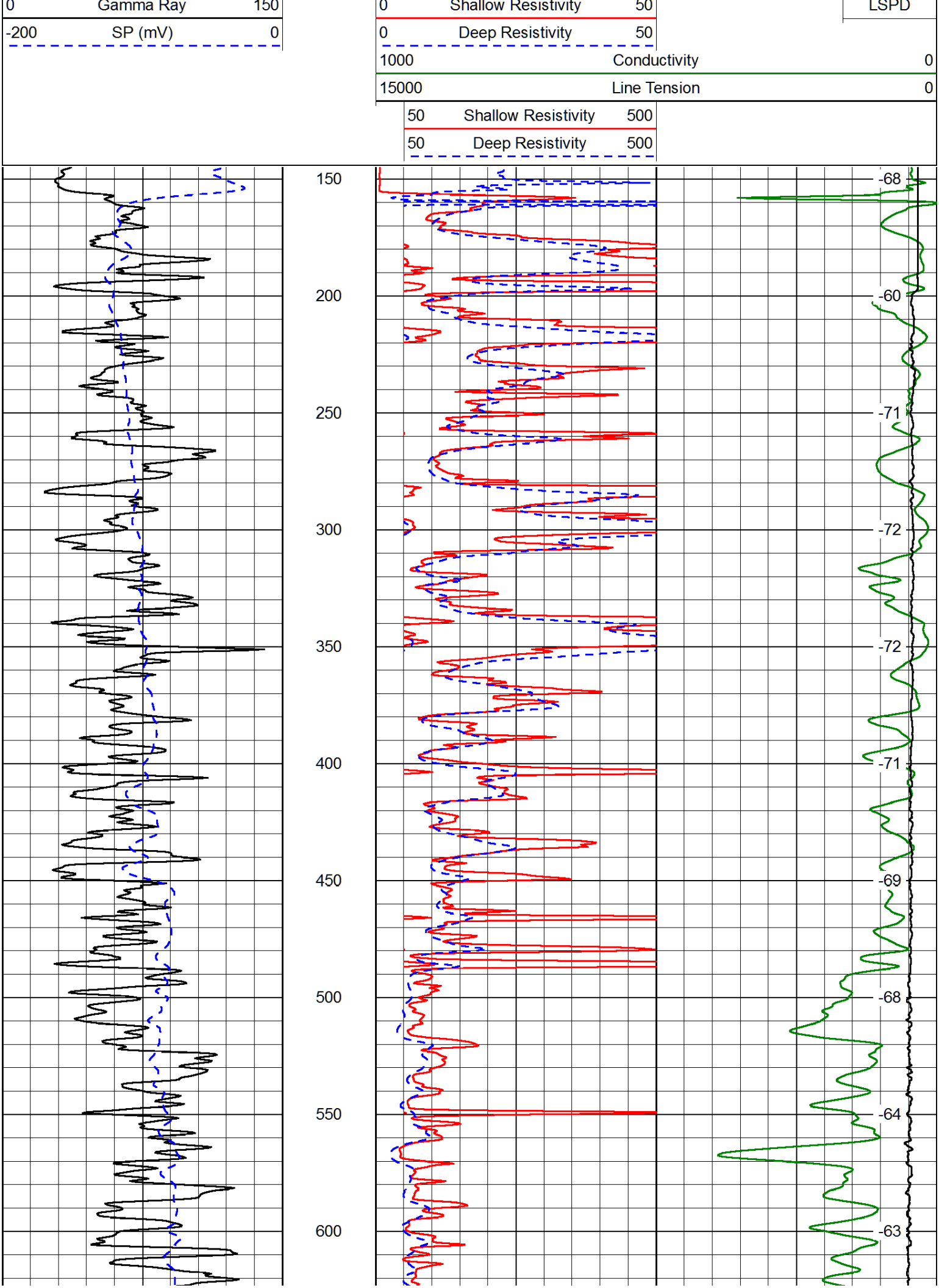
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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
El Dorado,
10 East to Grand Rd,
2 South to 20 Rd, 1/2 East,
North into

Database File: phillips_benrud_16-1hd.db
Dataset Pathname: dil/pstkmel
Presentation Format: dil2in
Dataset Creation: Sat Jun 21 05:50:04 2014
Charted by: Depth in Feet scaled 1:600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-200 SP (mV) 0
0 Shallow Resistivity 50
0 Deep Resistivity 50
1000 Conductivity 0
15000 Line Tension 0
50 Shallow Resistivity 500
50 Deep Resistivity 500
LSPD
150
200
250
300
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500
550
600
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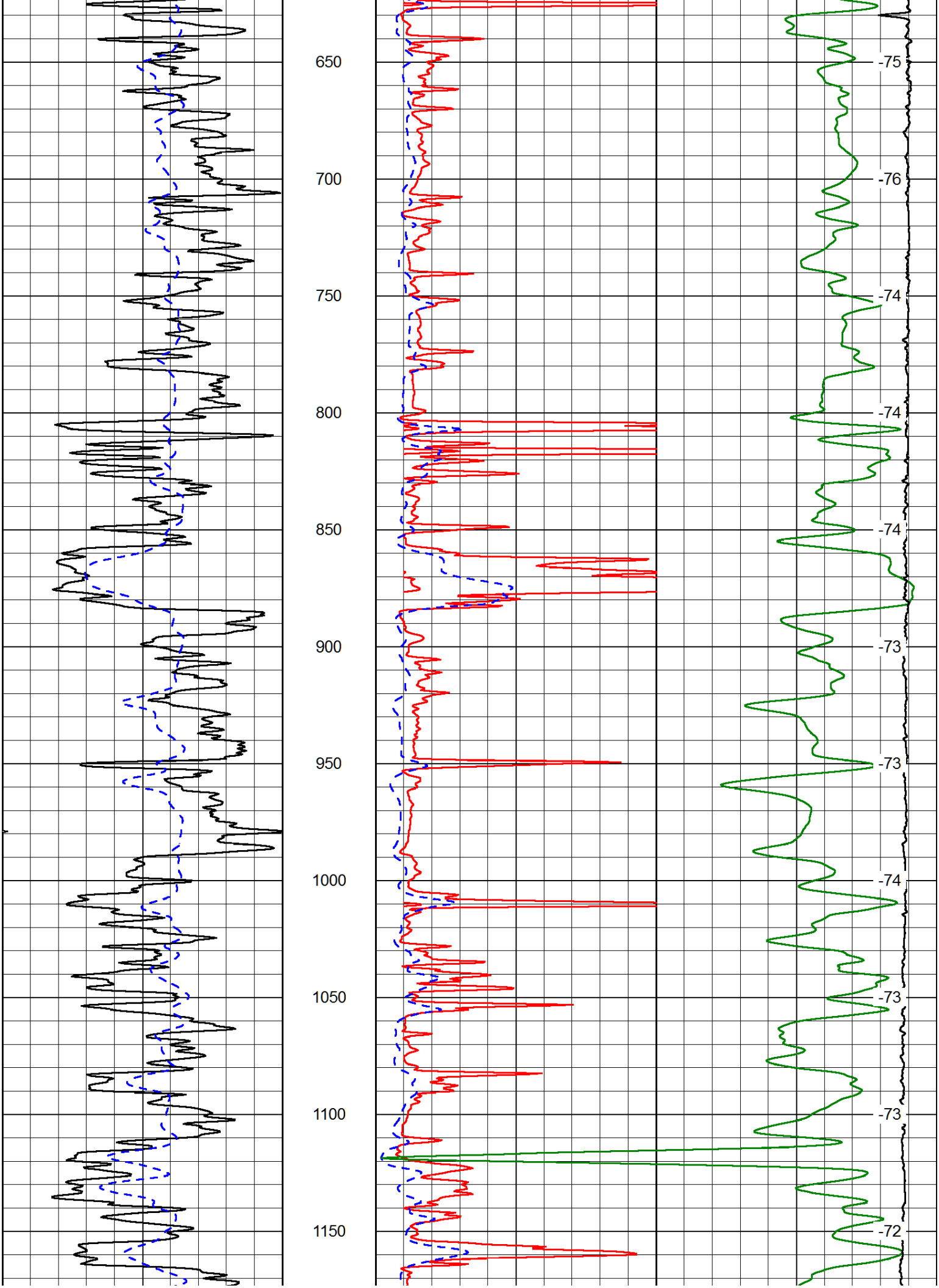
-69
-68
-64
-63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750
800
850
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950
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-74
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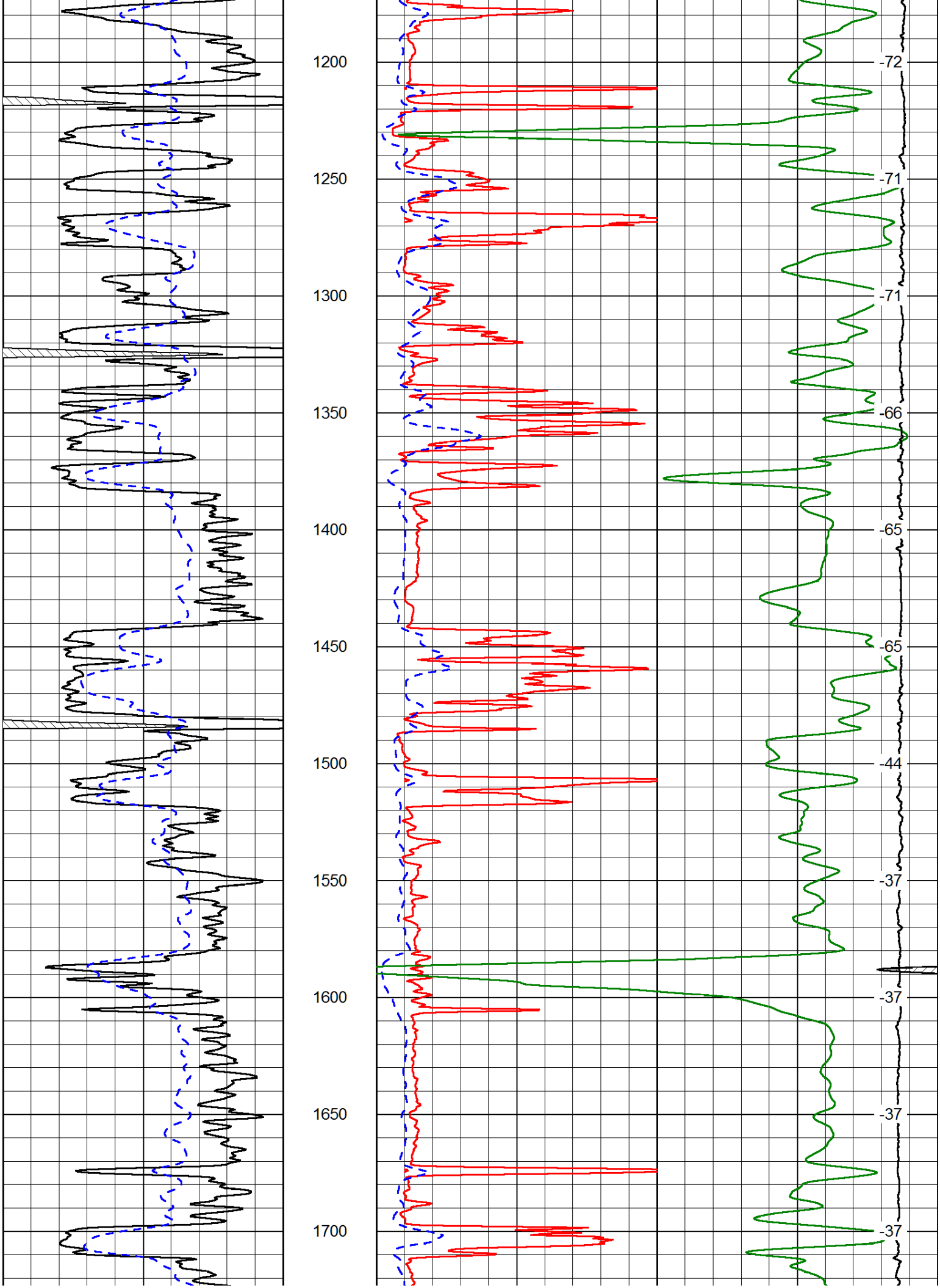
-73
-72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1450
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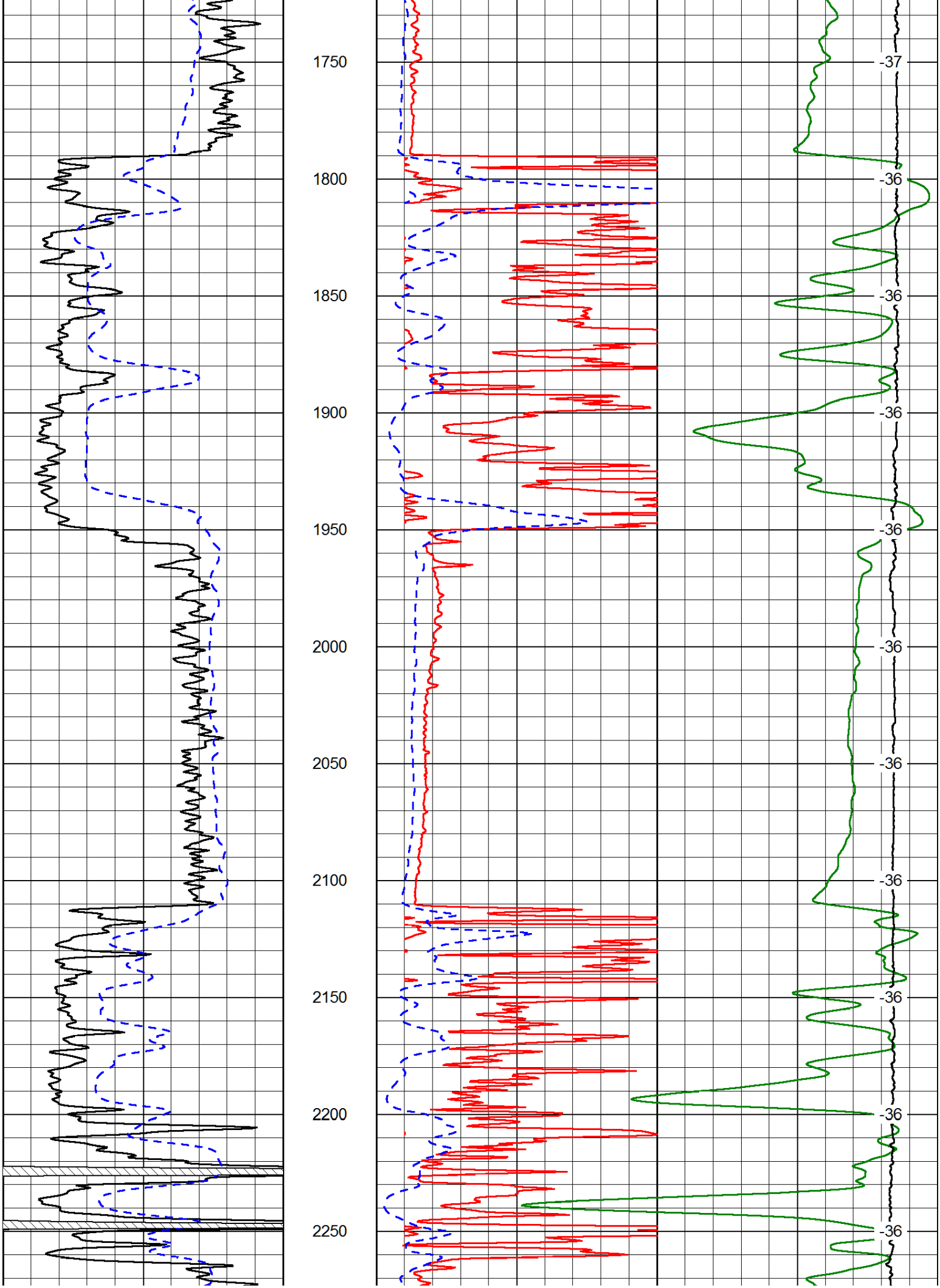
-37
-37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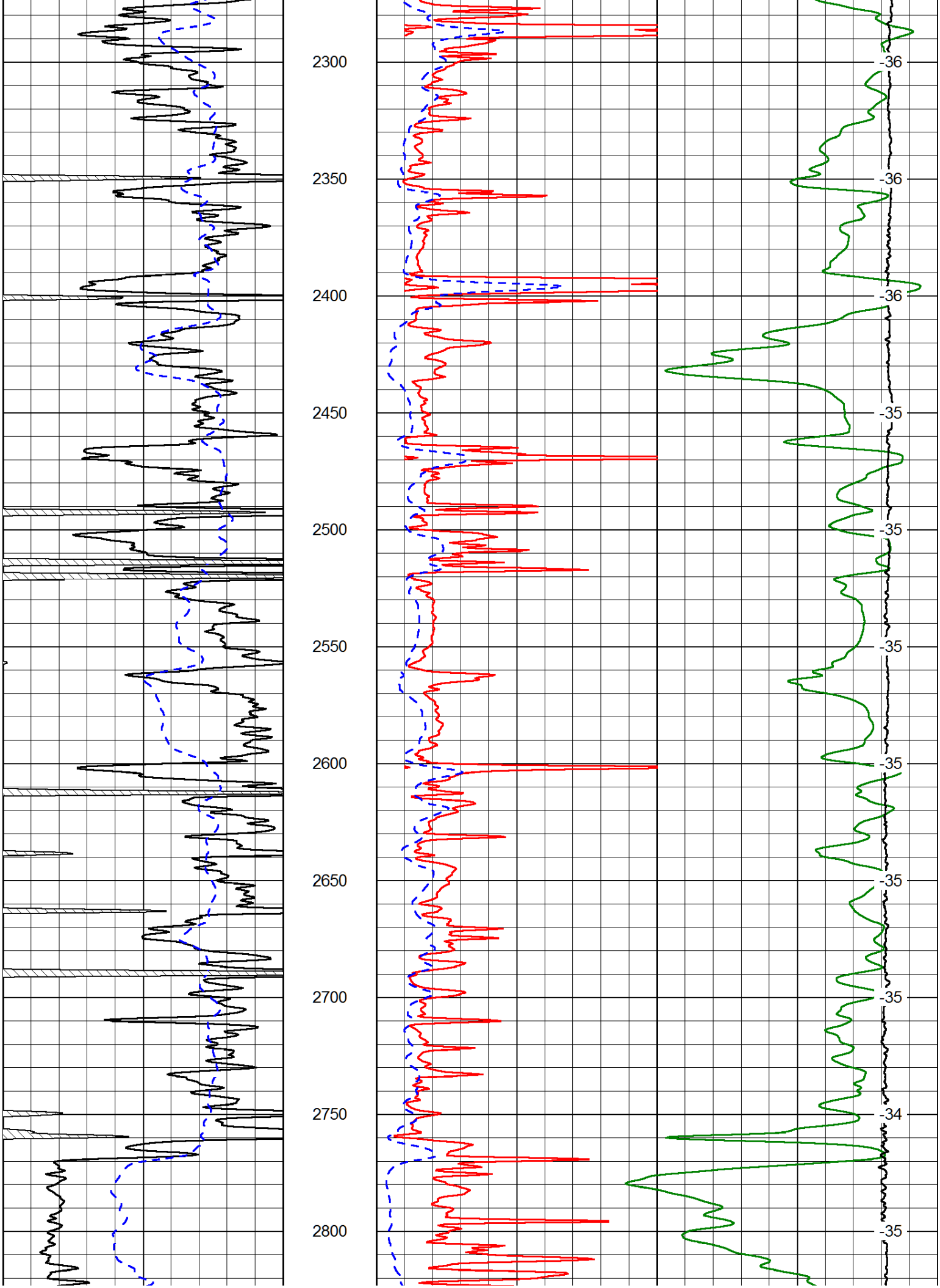
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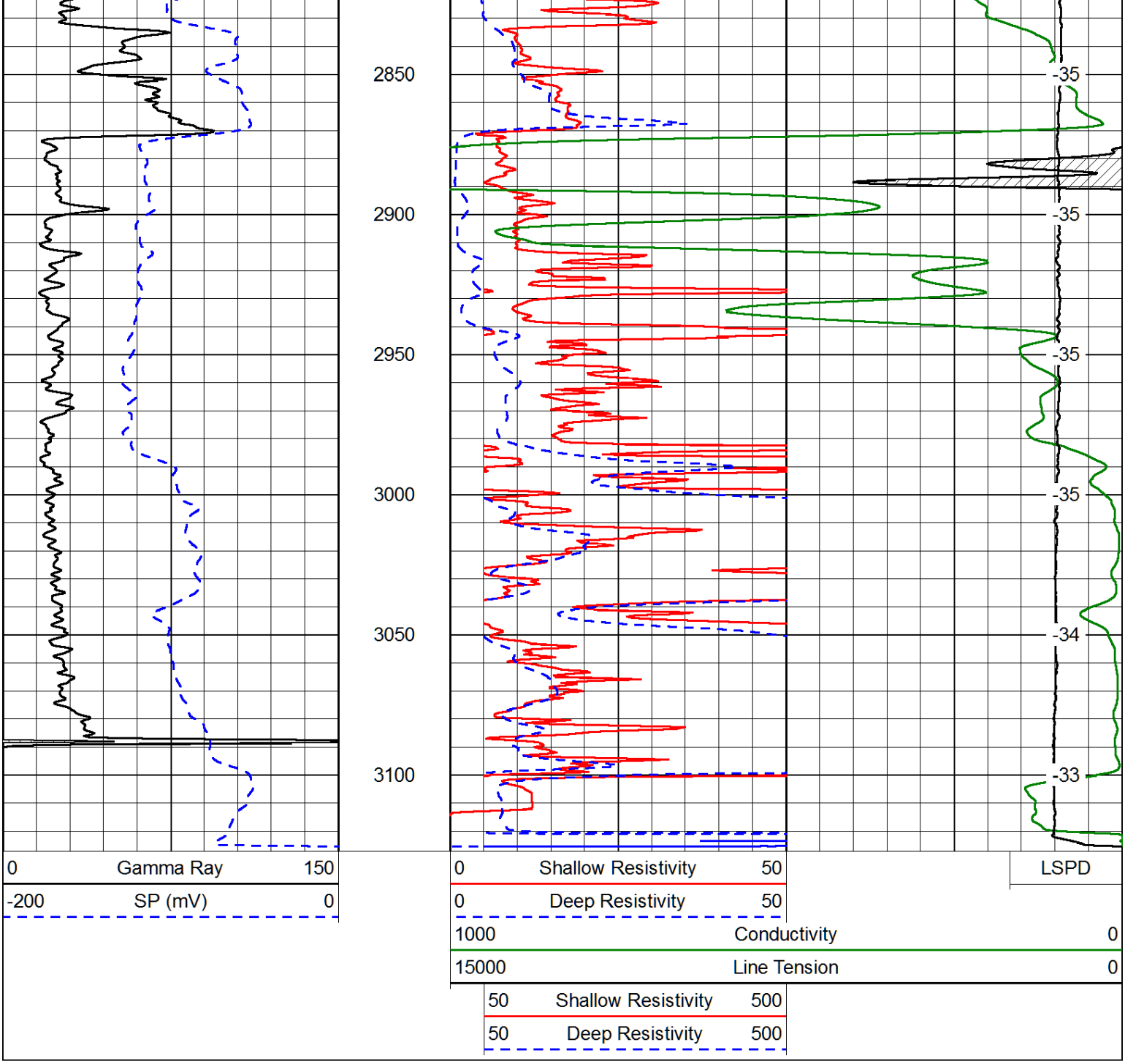

Database File: phillips_benrud_16-1hd.db
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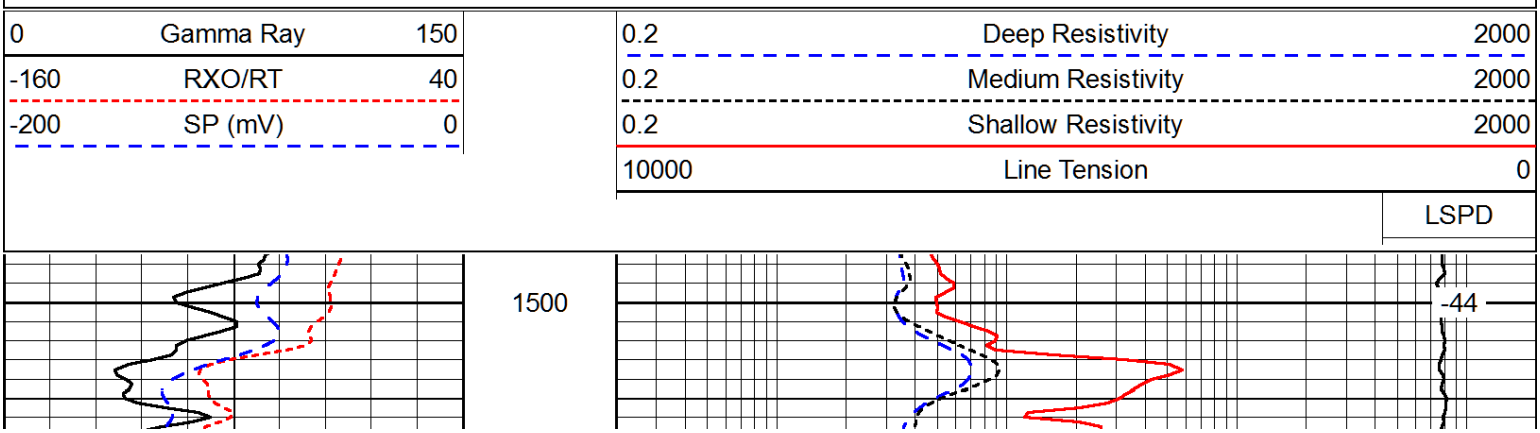
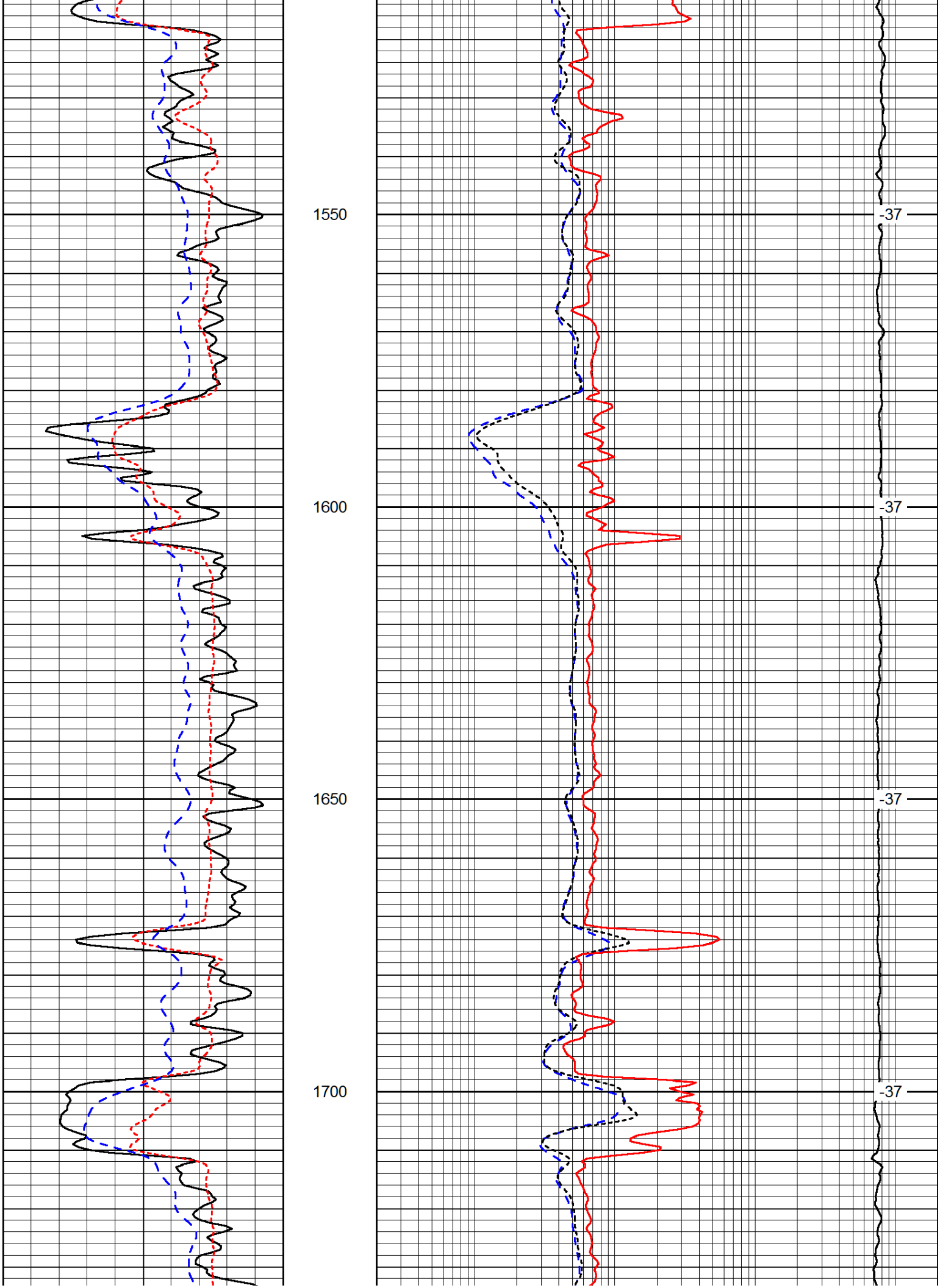
Presentation Format: dil
Dataset Creation: Sat Jun 21 05:50:04 2014
Charted by: Depth in Feet scaled 1:240

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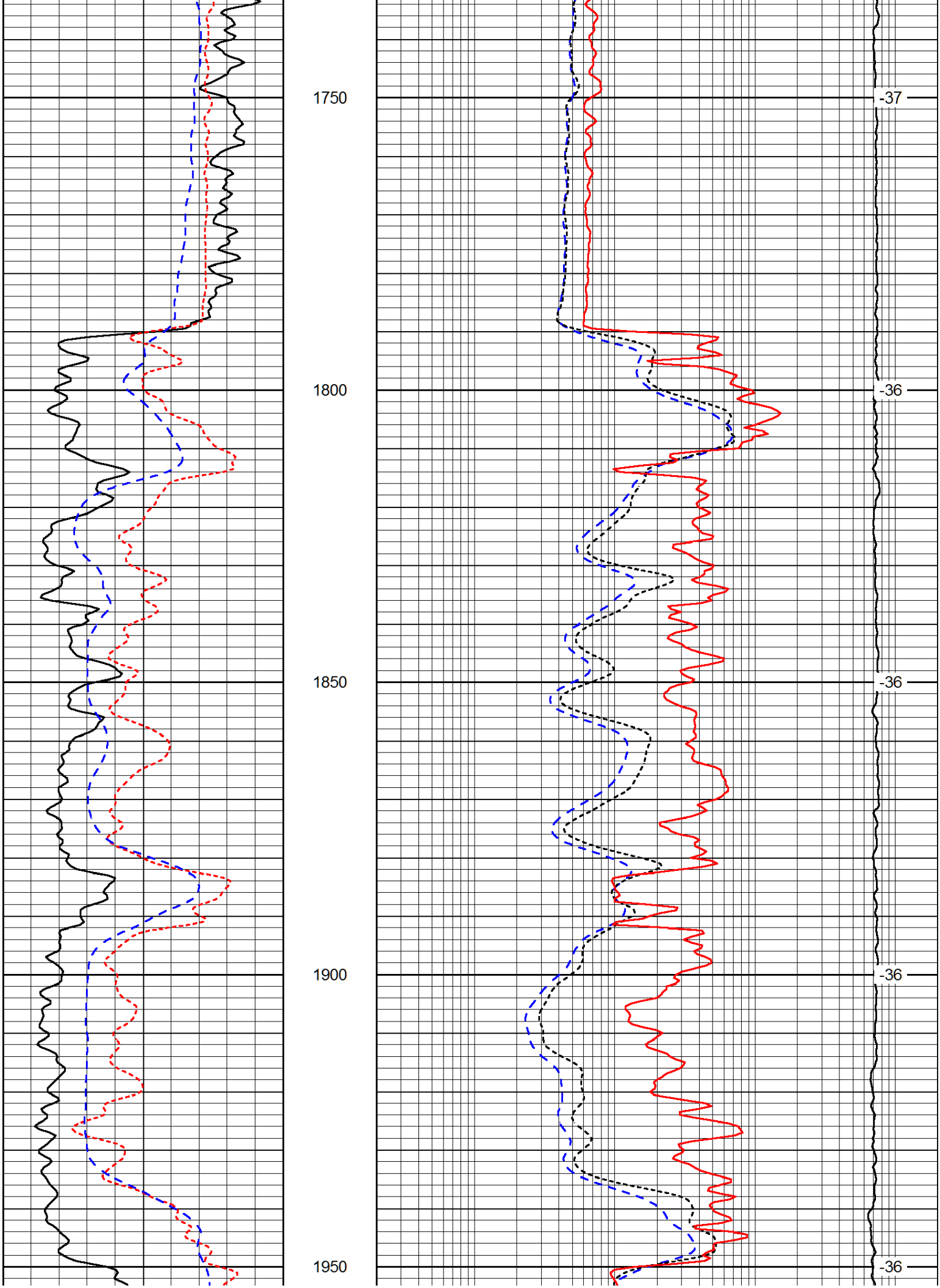
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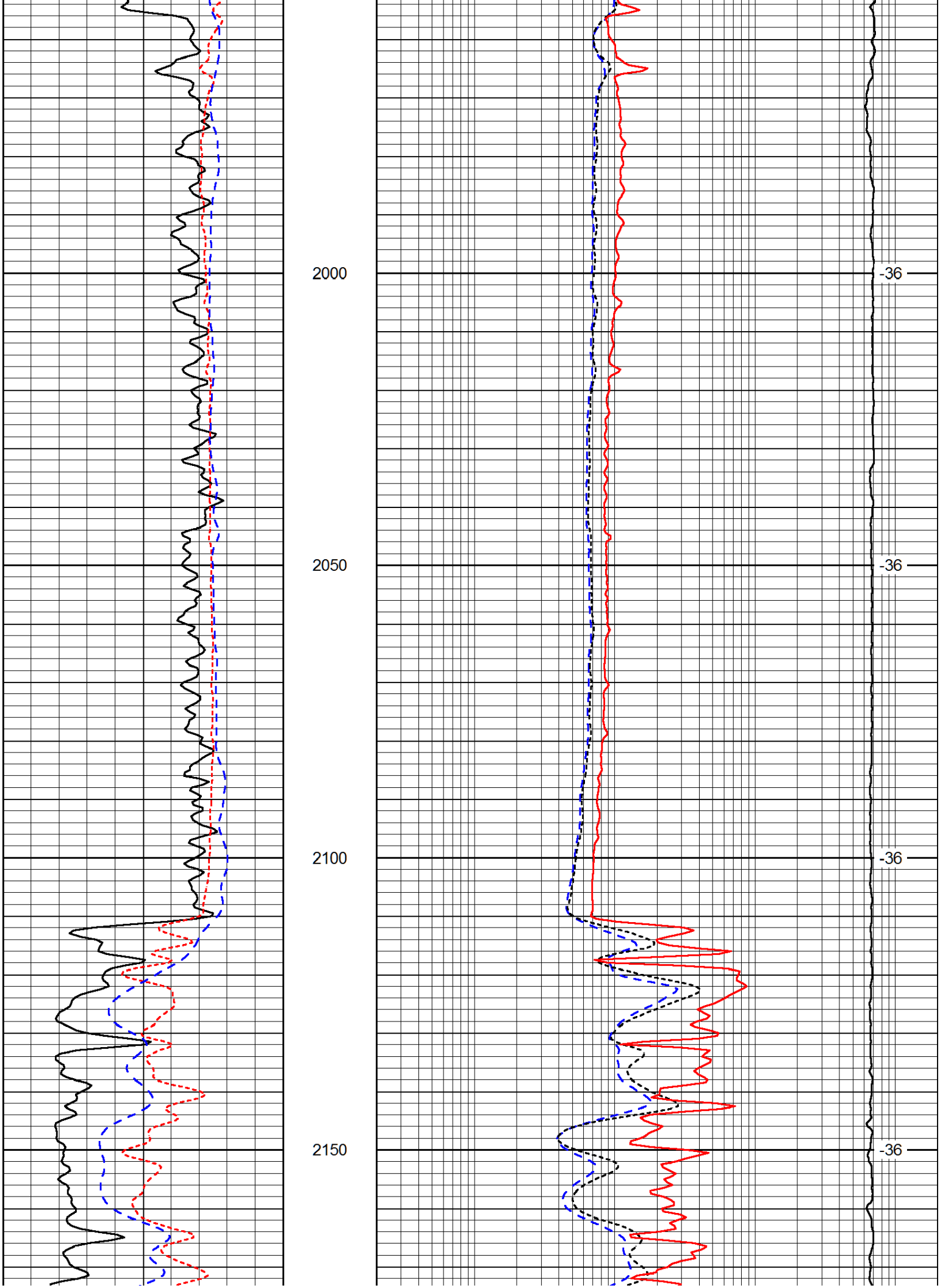
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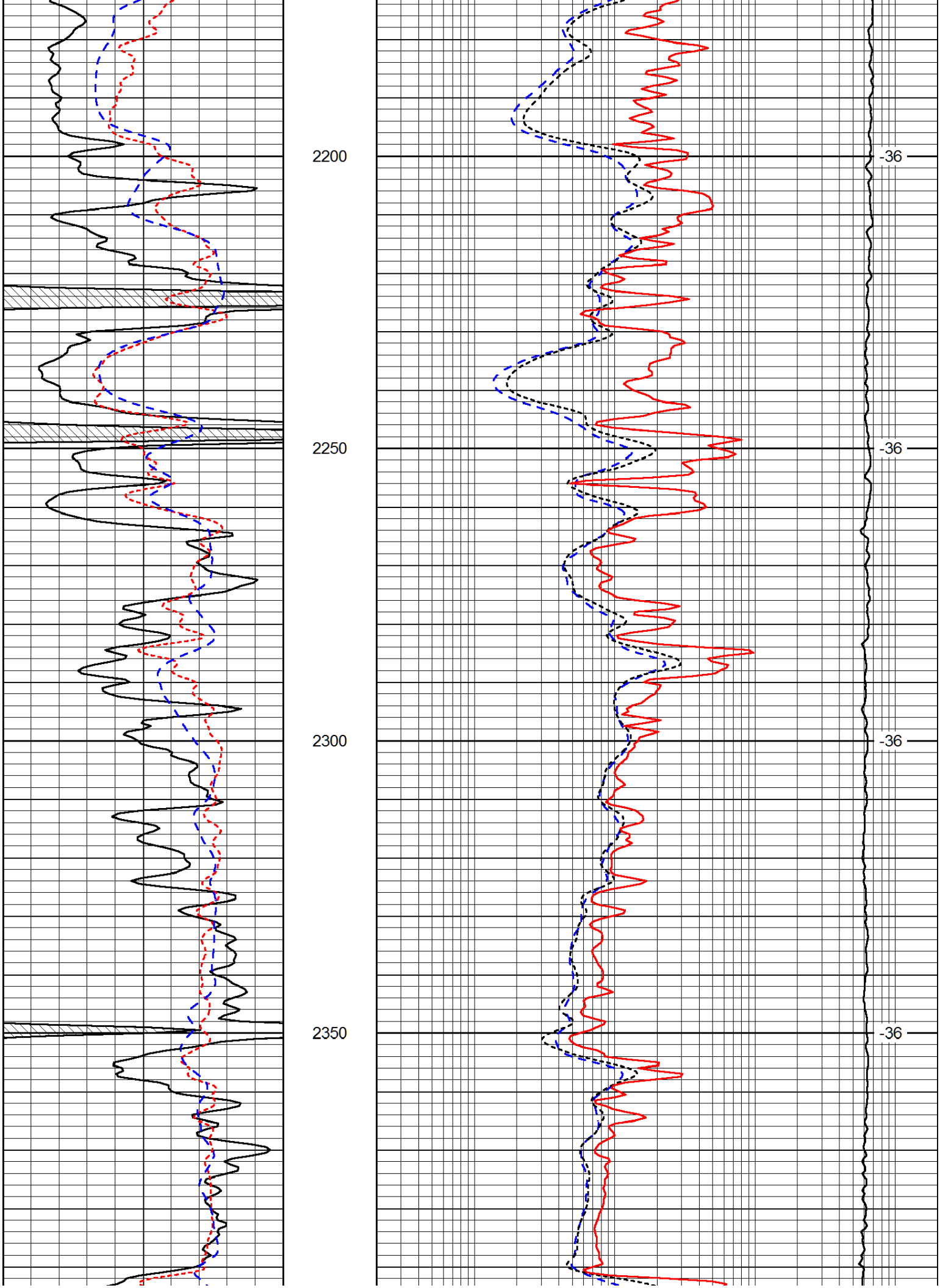
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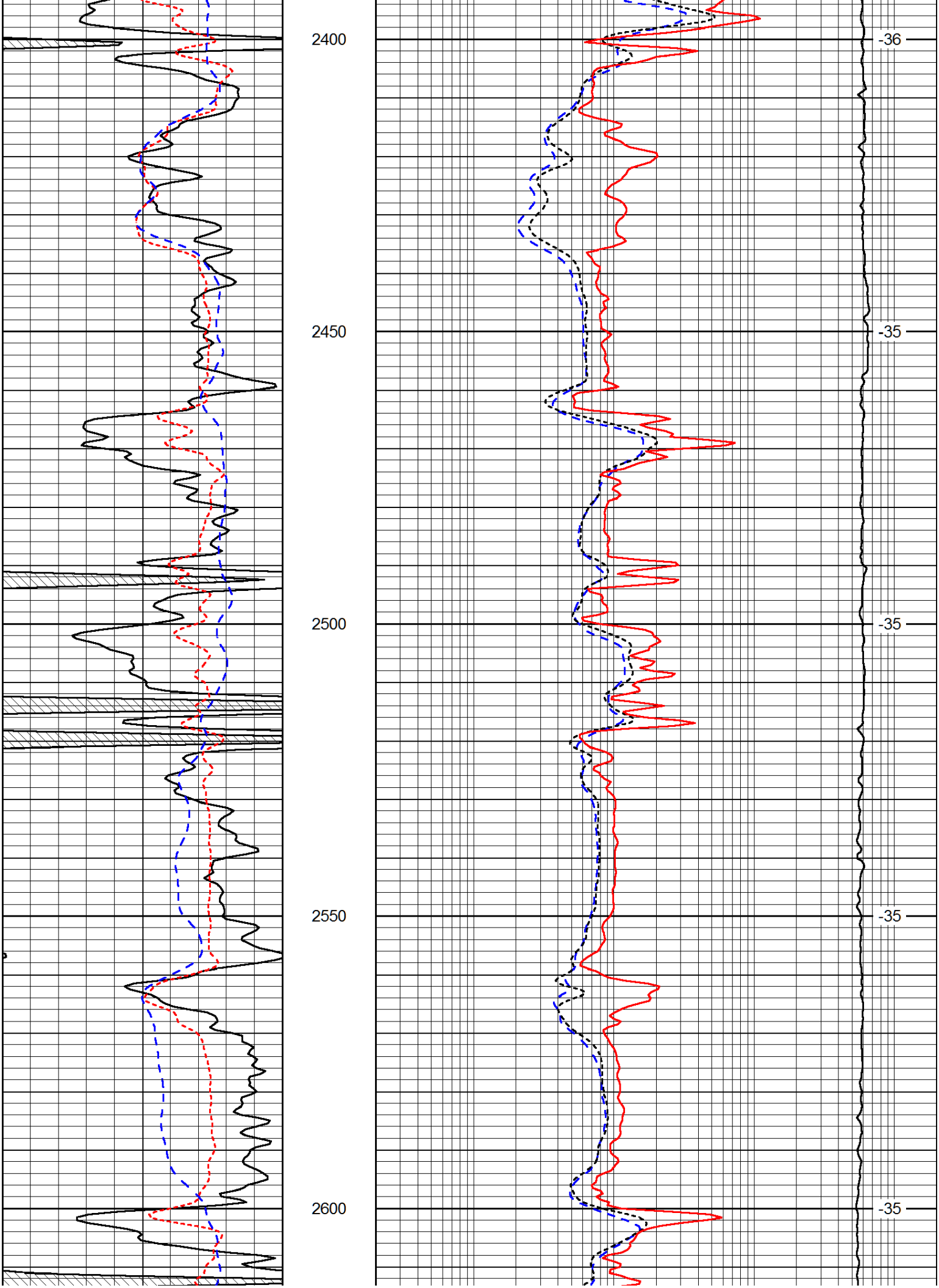
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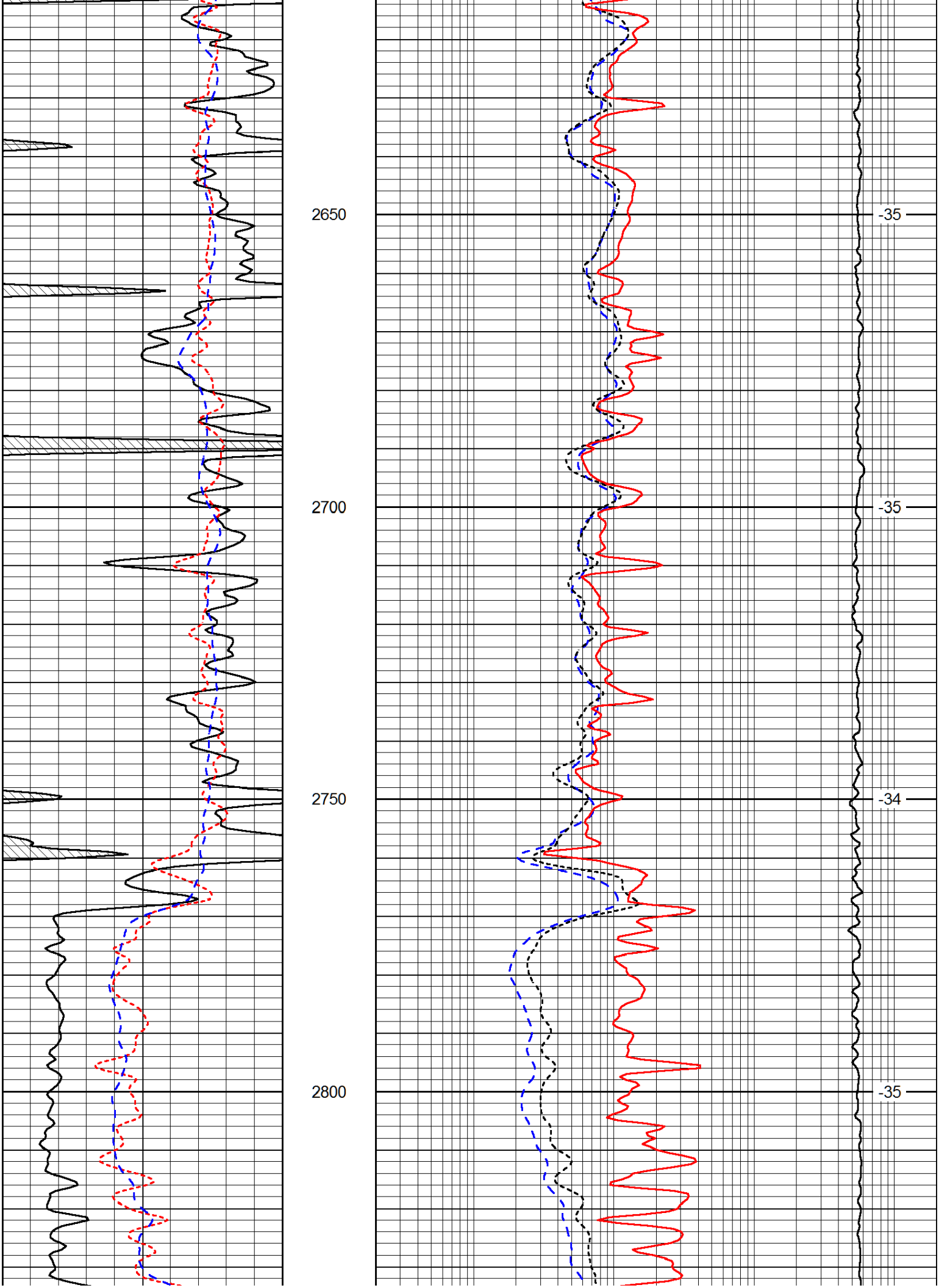
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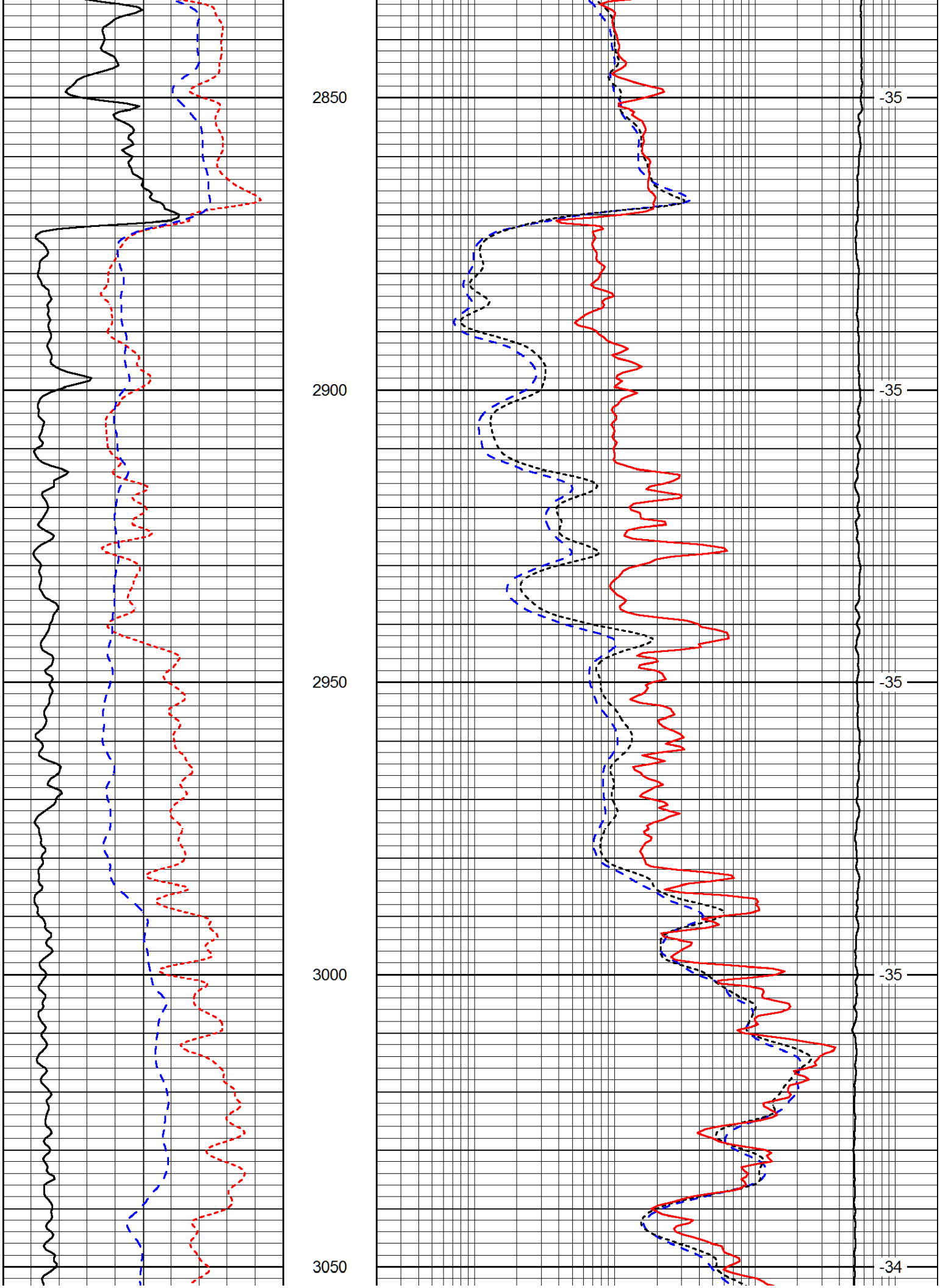
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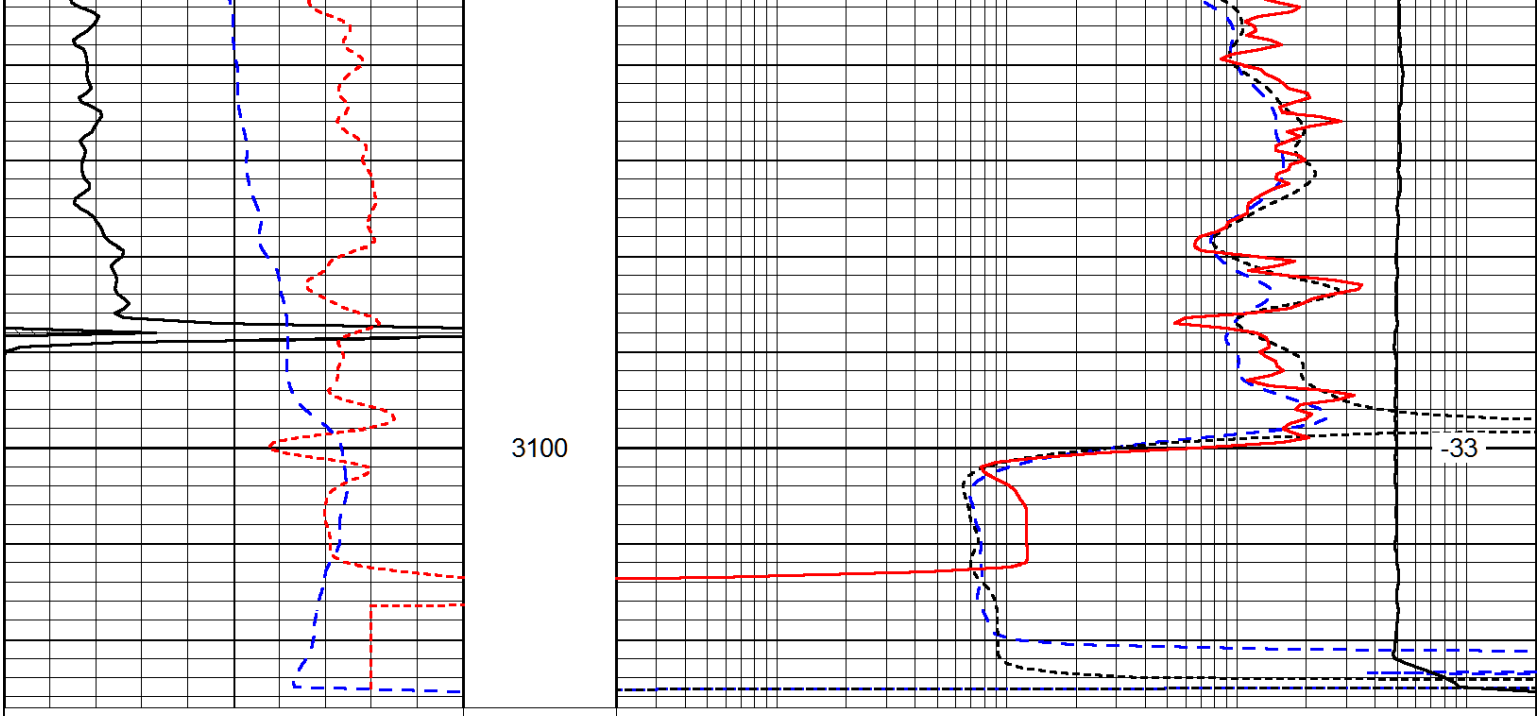

0	Gamma Ray	150
-160	RXO/RT	40
-200	SP (mV)	0

0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
10000	Line Tension	0

LSPD