PIONEER

Pioneer Energy Services

Dual Induction Log

API No. 15-101-22,421-00-00

Company Larson Engineering, Inc.

Well WR Unit No. 1 - 27

Field Wildcat

County Lane State Kansas

Location NE NE SE NE
1485' FNL & 1' FEL
Sec: 27 Twp: 18 S Rge: 29 W

Other Services
CNL/CDL
MEL

Elevation
K.B. 2808
D.F.
G.L. 2801

Permanent Datum	Ground Level	Elevation 2801			
Log Measured From	Kelly Bushing	7 Ft. Above Perm. Datum			
Drilling Measured From	Kelly Bushing				
Date	2/15/2013				
Run Number	One				
Depth Driller	4645				
Depth Logger	4649				
Bottom Logged Interval	4648				
Top Log Interval	250				
Casing Driller	8.625 @ 281				
Casing Logger	278				
Bit Size	7.875				
Type Fluid in Hole	Chemical				
Salinity,ppm CL	3000				
Density / Viscosity	9.3 67				
pH / Fluid Loss	9.5 6.8				
Source of Sample	Flowline				
Rm @ Meas. Temp	.90 @ 54				
Rmf @ Meas. Temp	.68 @ 54				
Rmc @ Meas. Temp	1.22 @ 54				
Source of Rmf / Rmc	Charts				
Rm @ BHT	.40 @ 122				
Operating Rig Time	4 1/2 Hours				
Max. Rec. Temp. F	122				
Equipment Number	108				
Location	Hays				
Recorded By	D. Martin				
Witnessed By	Vern Schrag				

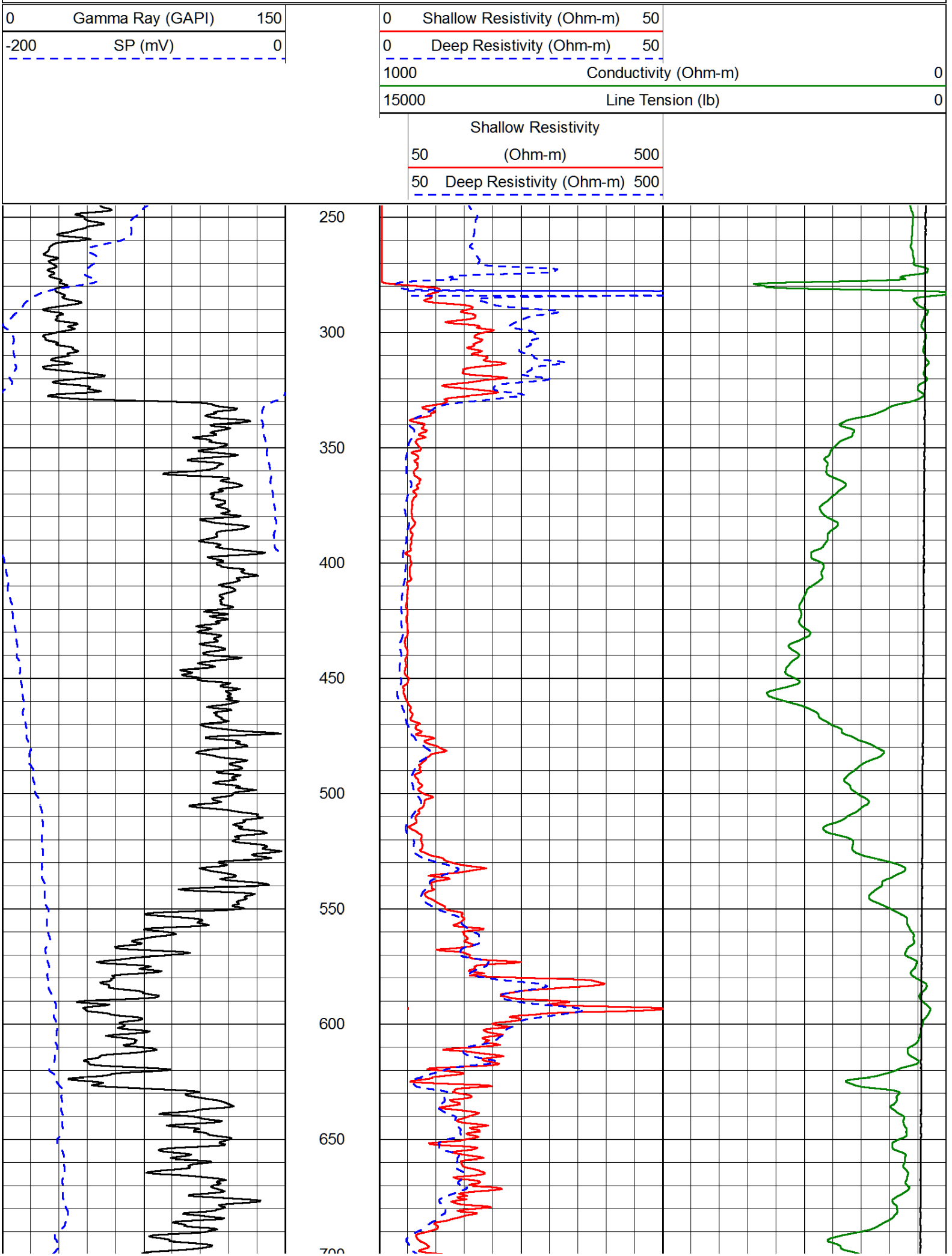
<<< Fold Here >>>

Comments

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

Dighton, KS
2 S to 130 Rd., 2 W, N Into

Database File: larshd.db
Dataset Pathname: DIL/larstk
Presentation Format: dil2in
Dataset Creation: Fri Feb 15 23:24:39 2013
Charted by: Depth in Feet scaled 1:600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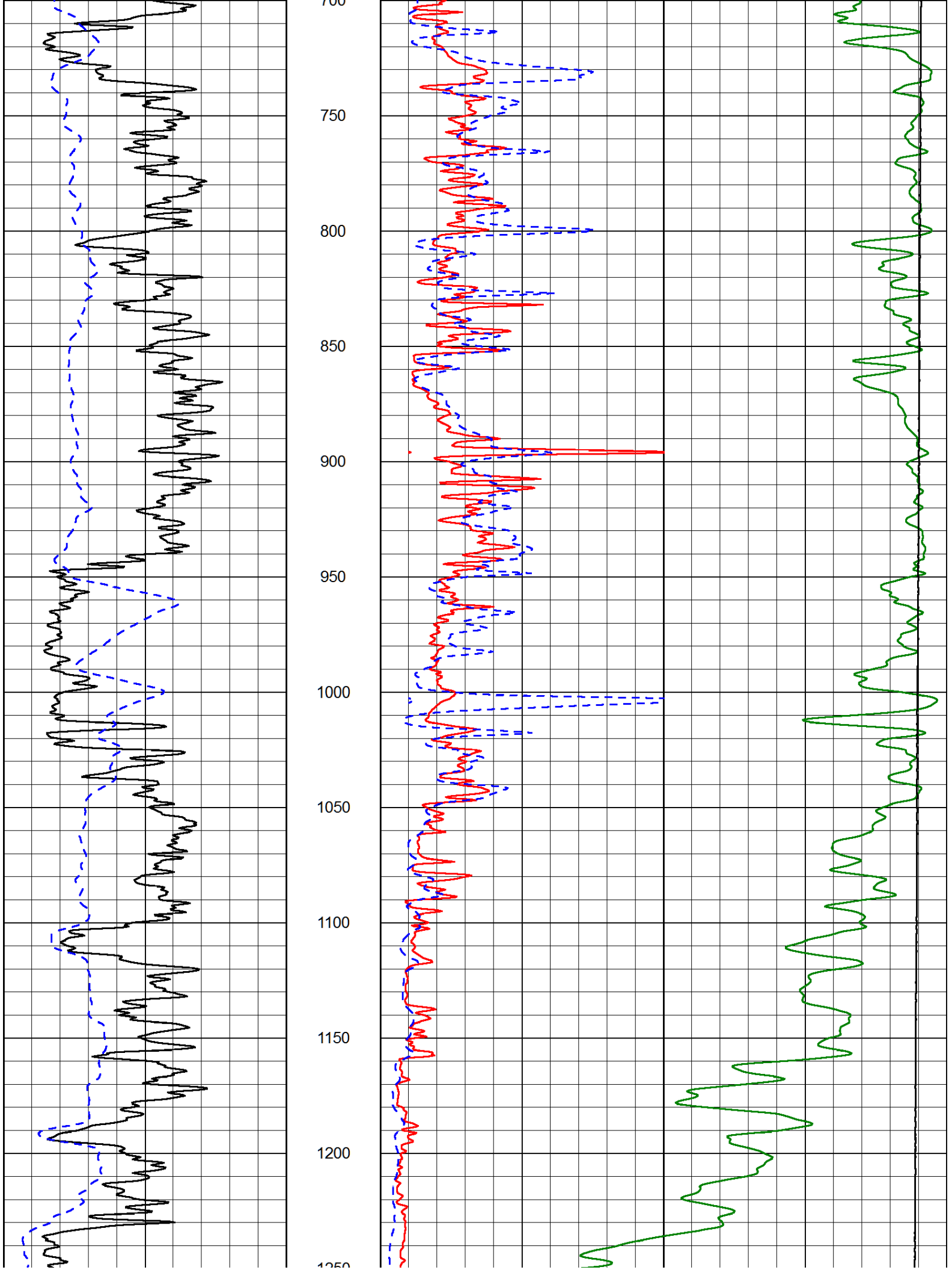
-200 SP (mV) 0
0 Shallow Resistivity (Ohm-m) 50
0 Deep Resistivity (Ohm-m) 50
1000 Conductivity (Ohm-m) 0
15000 Line Tension (lb) 0
Shallow Resistivity
50 (Ohm-m) 500
50 Deep Resistivity (Ohm-m) 500
250
300
350
400
450
500
550
600
650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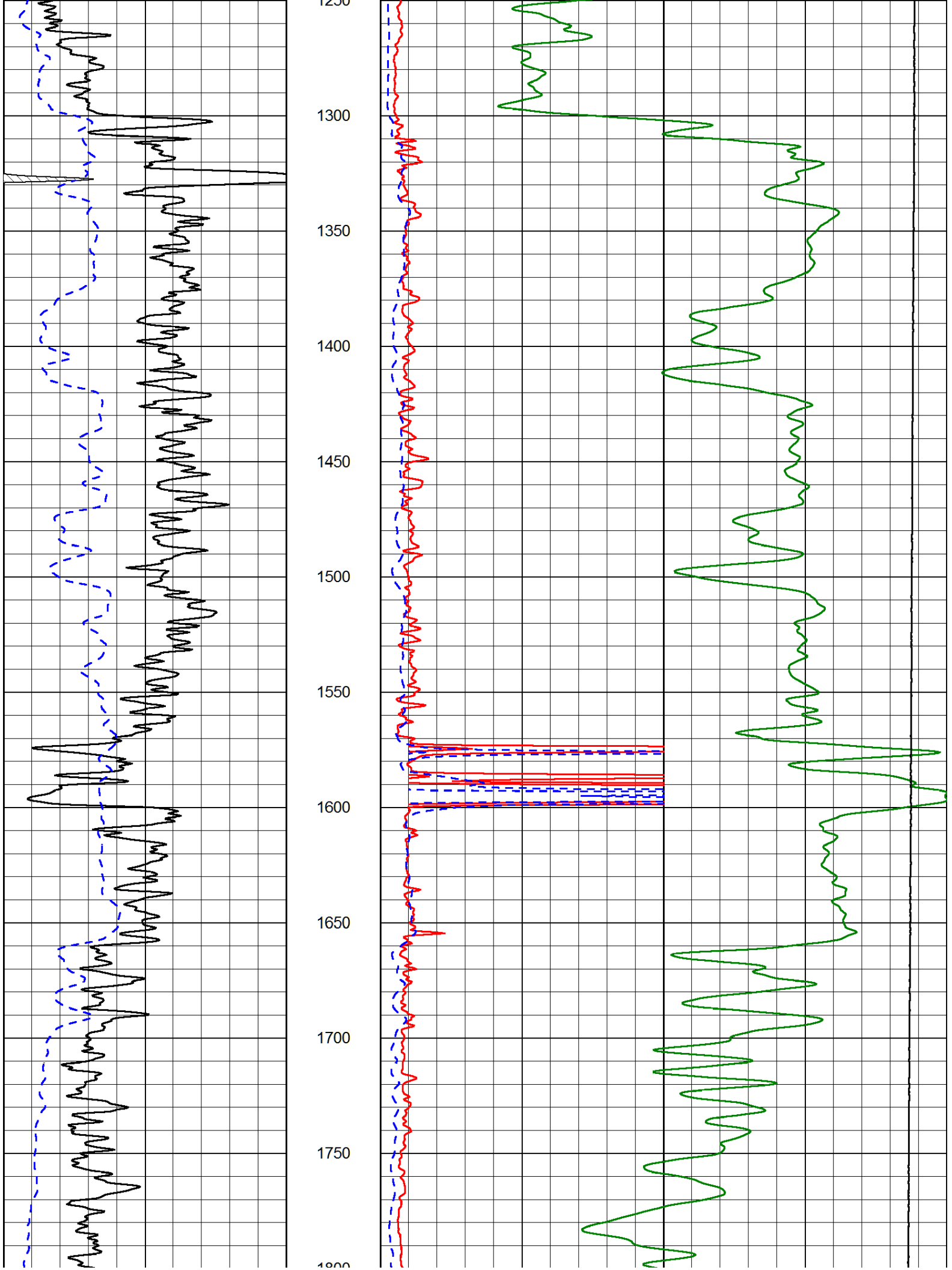
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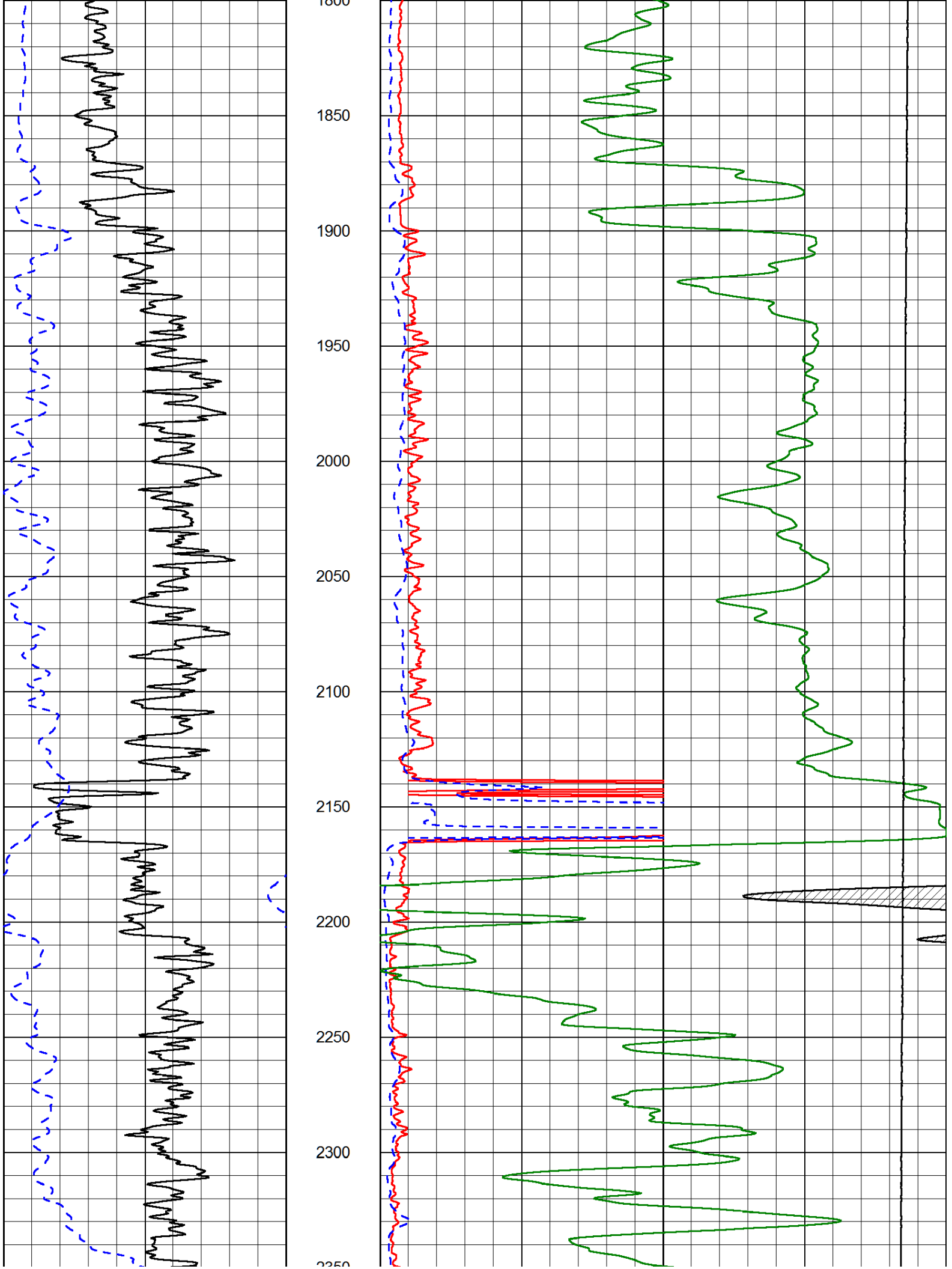
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2100
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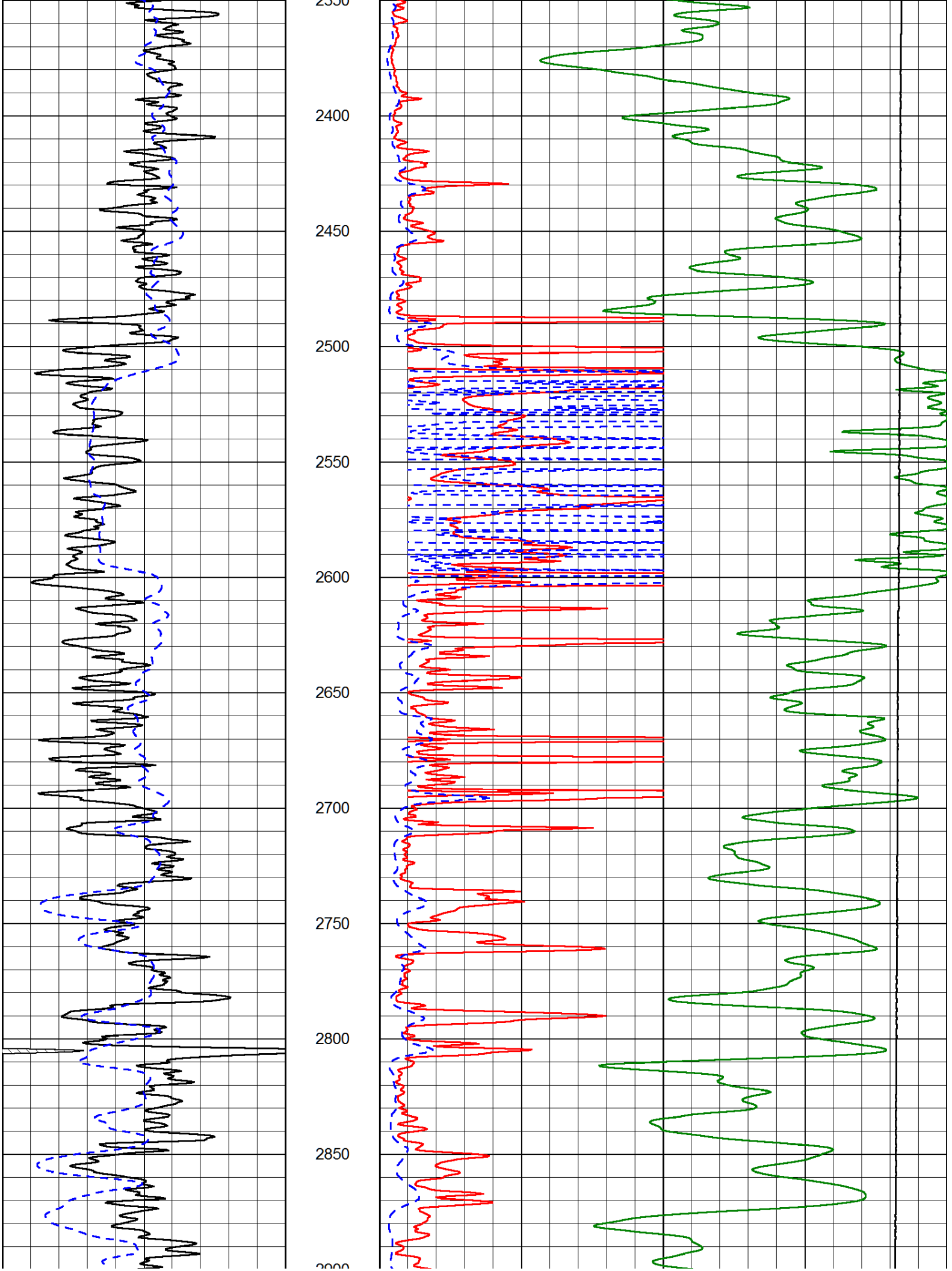
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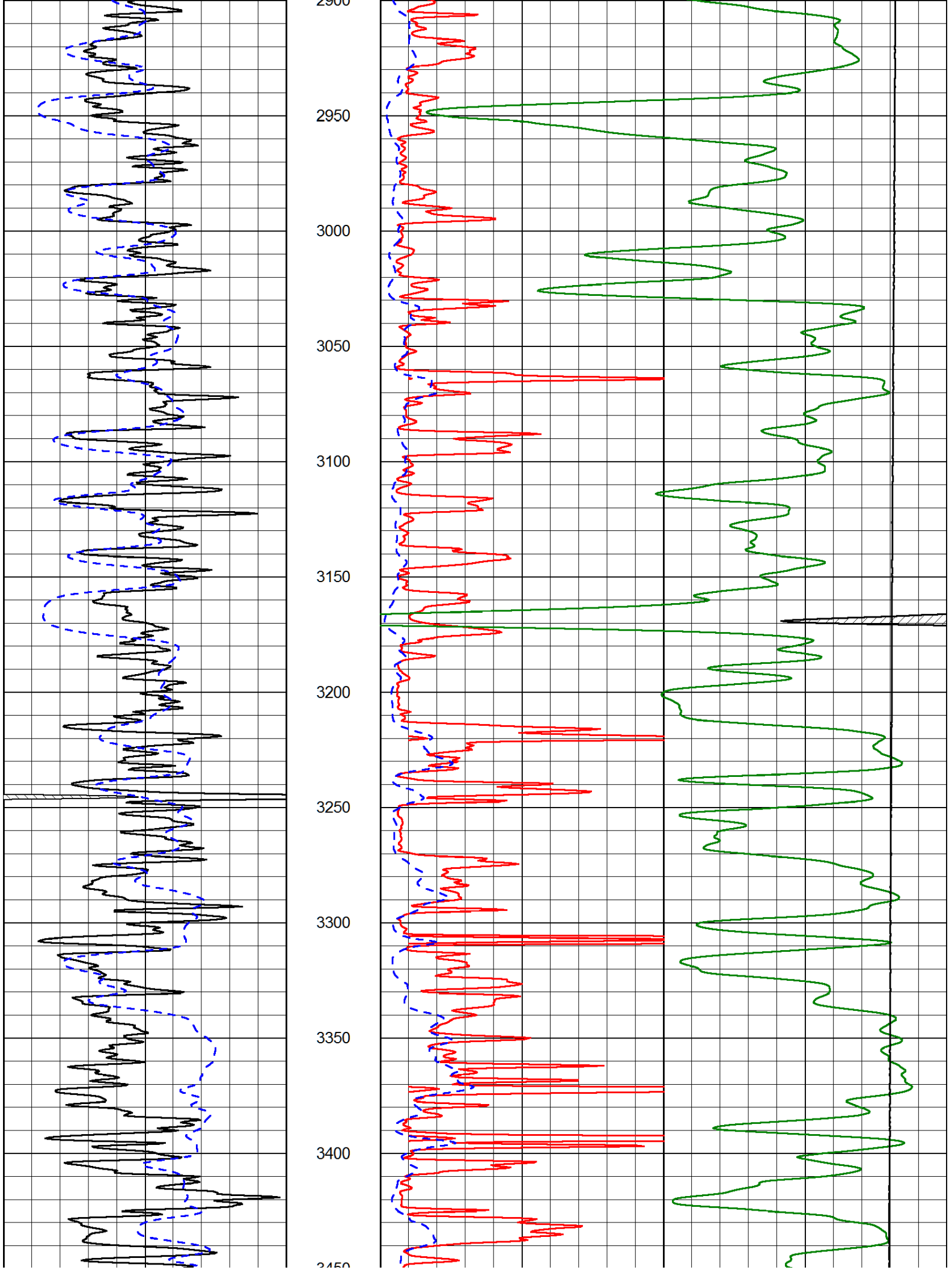
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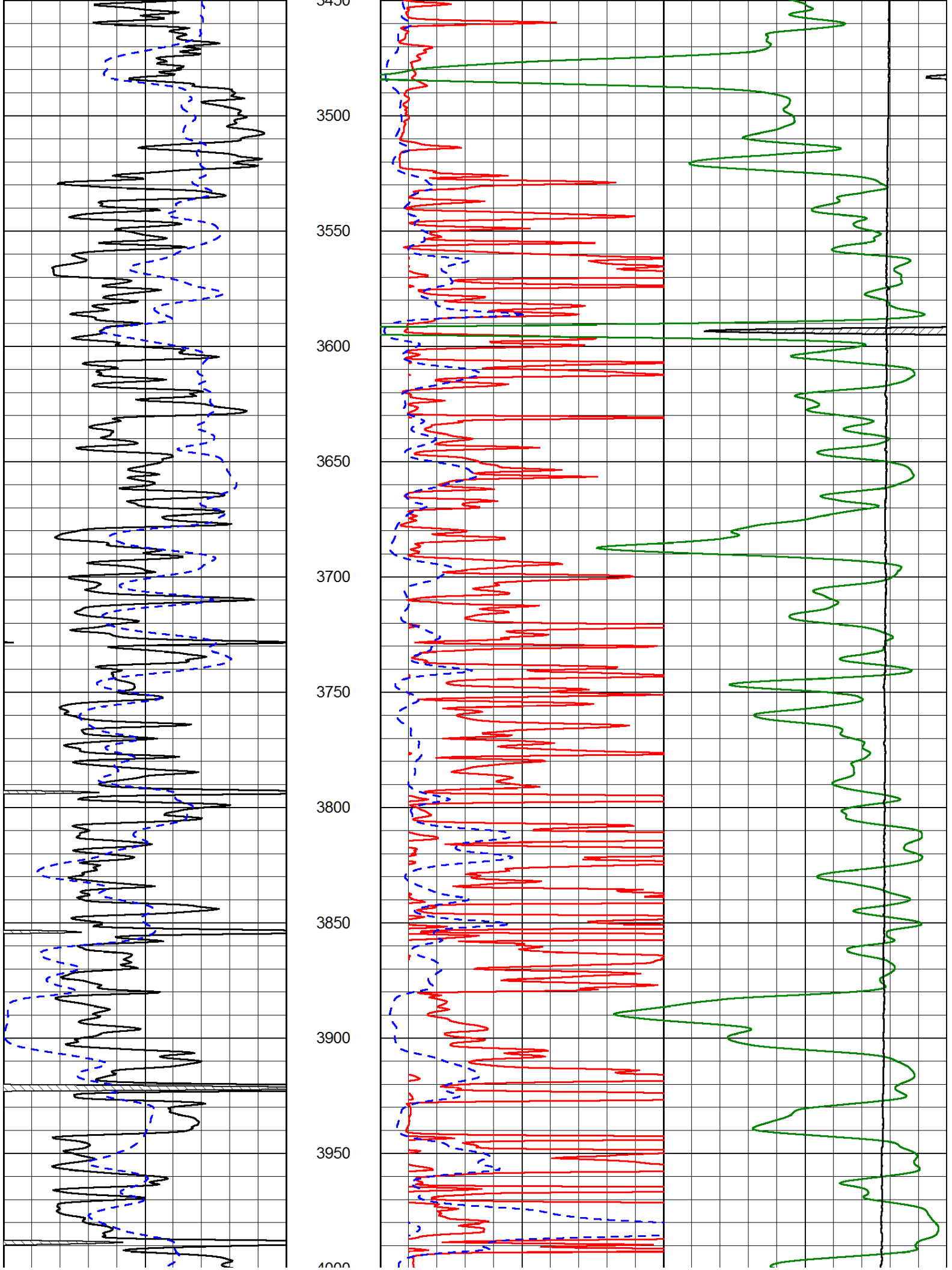
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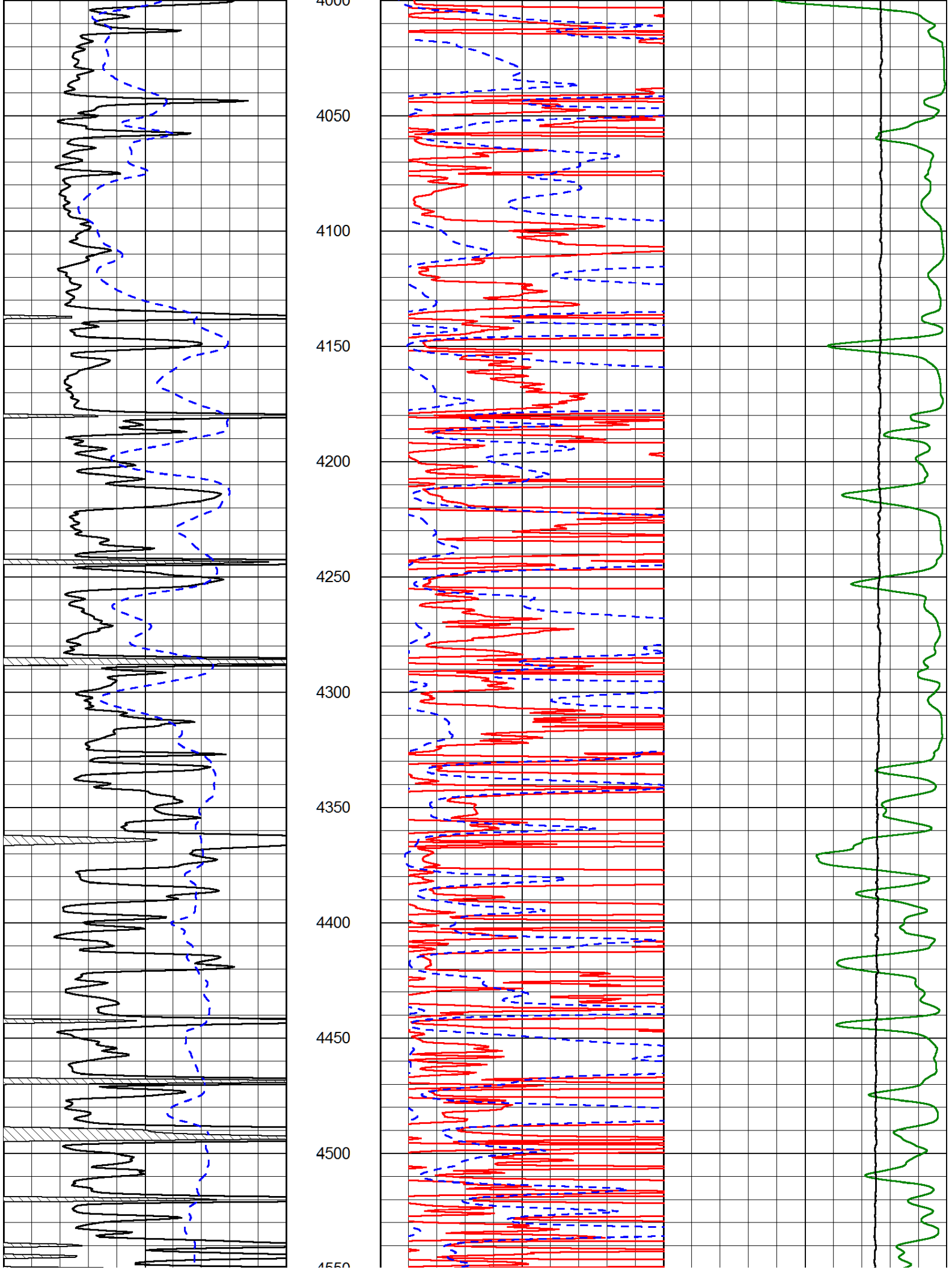
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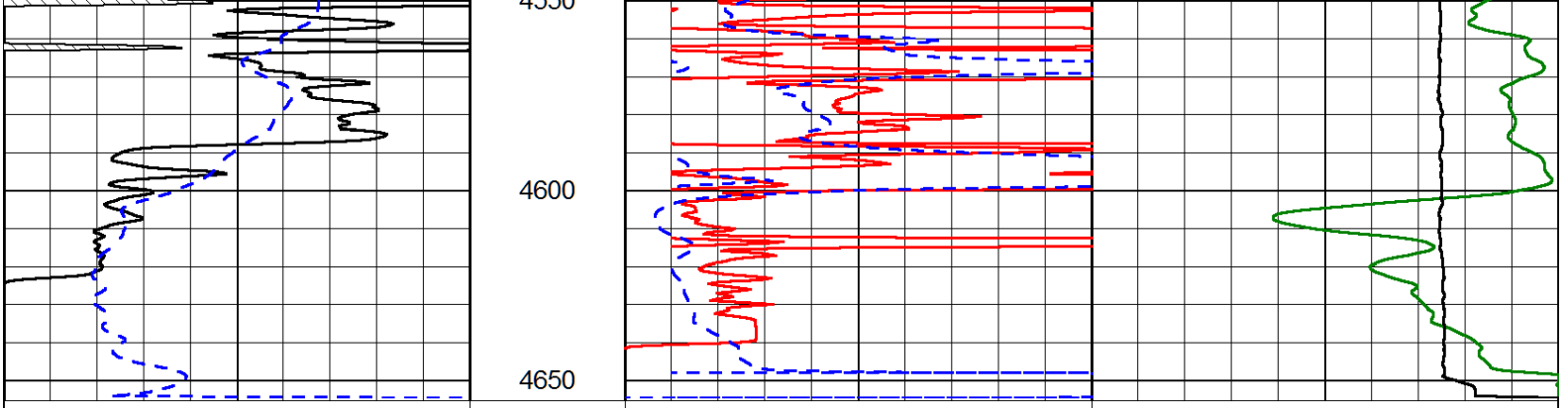

Database File: larshd.db
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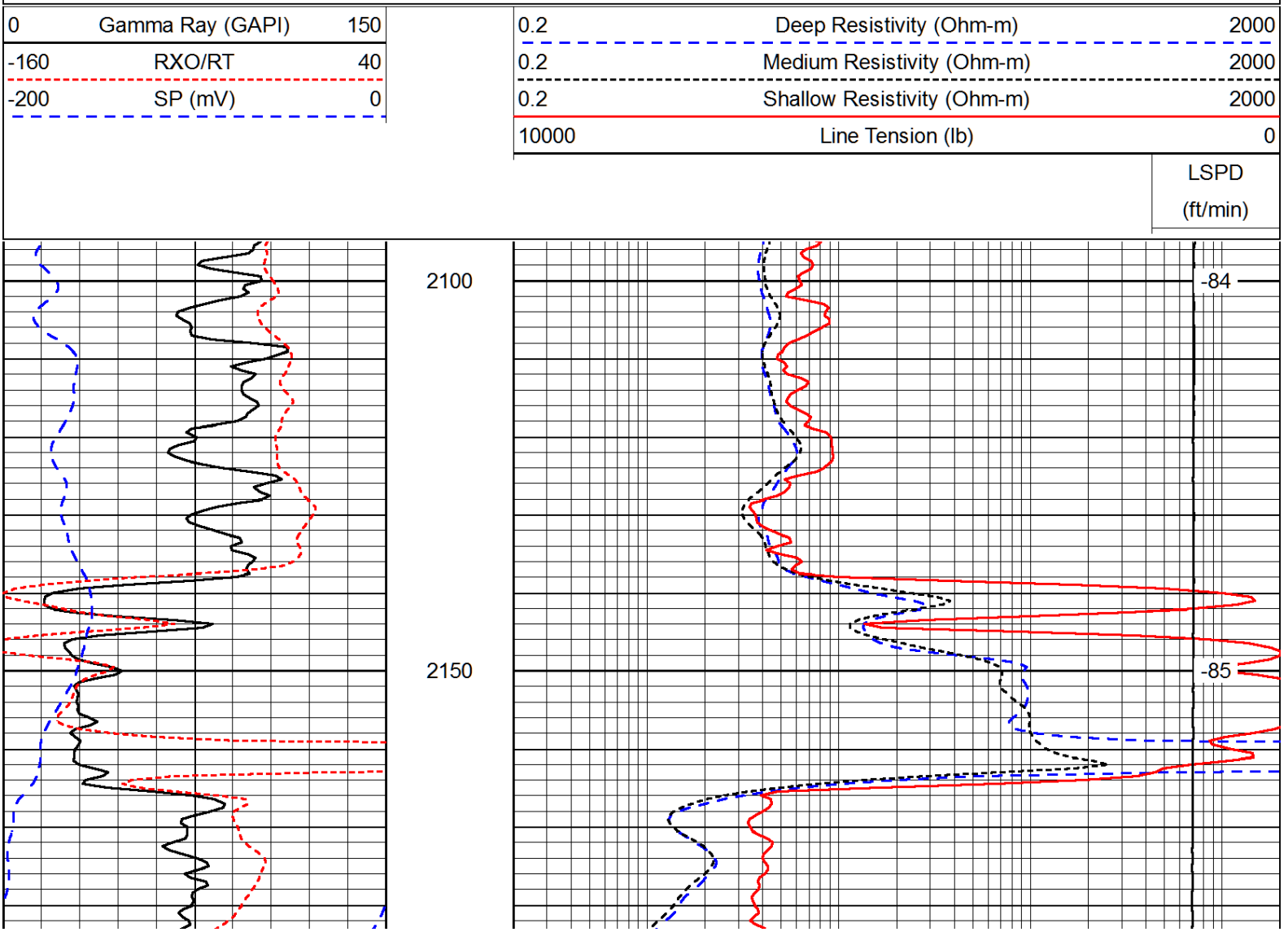
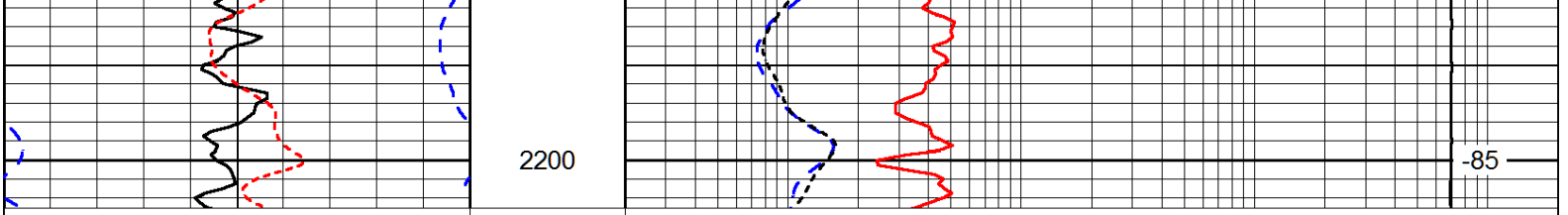
Presentation Format: dil
Dataset Creation: Fri Feb 15 23:24:39 2013
Charted by: Depth in Feet scaled 1:240





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

0.2	Deep Resistivity (Ohm-m)	2000
0.2	Medium Resistivity (Ohm-m)	2000
0.2	Shallow Resistivity (Ohm-m)	2000
10000	Line Tension (lb)	0

LSPD (ft/min)

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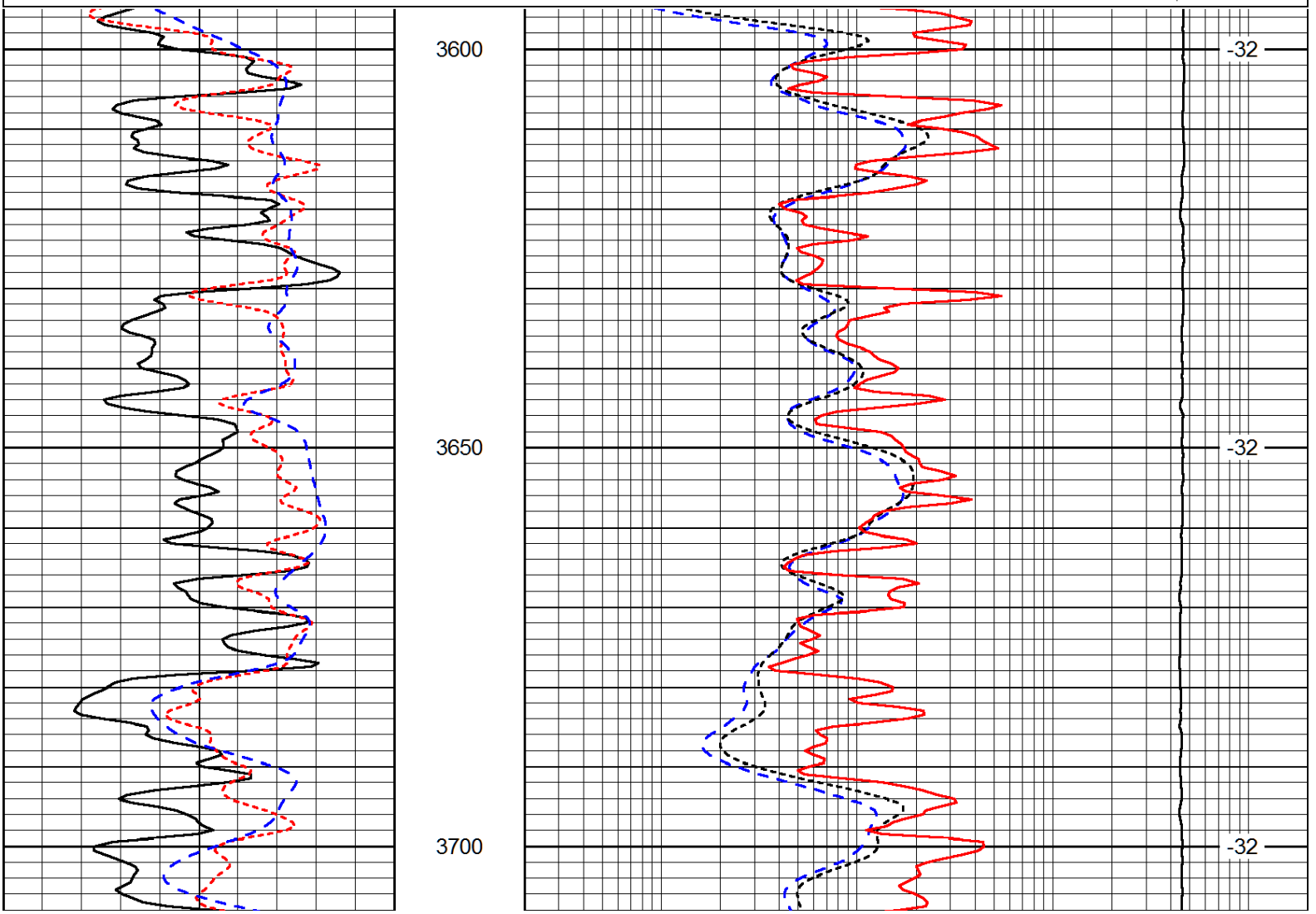

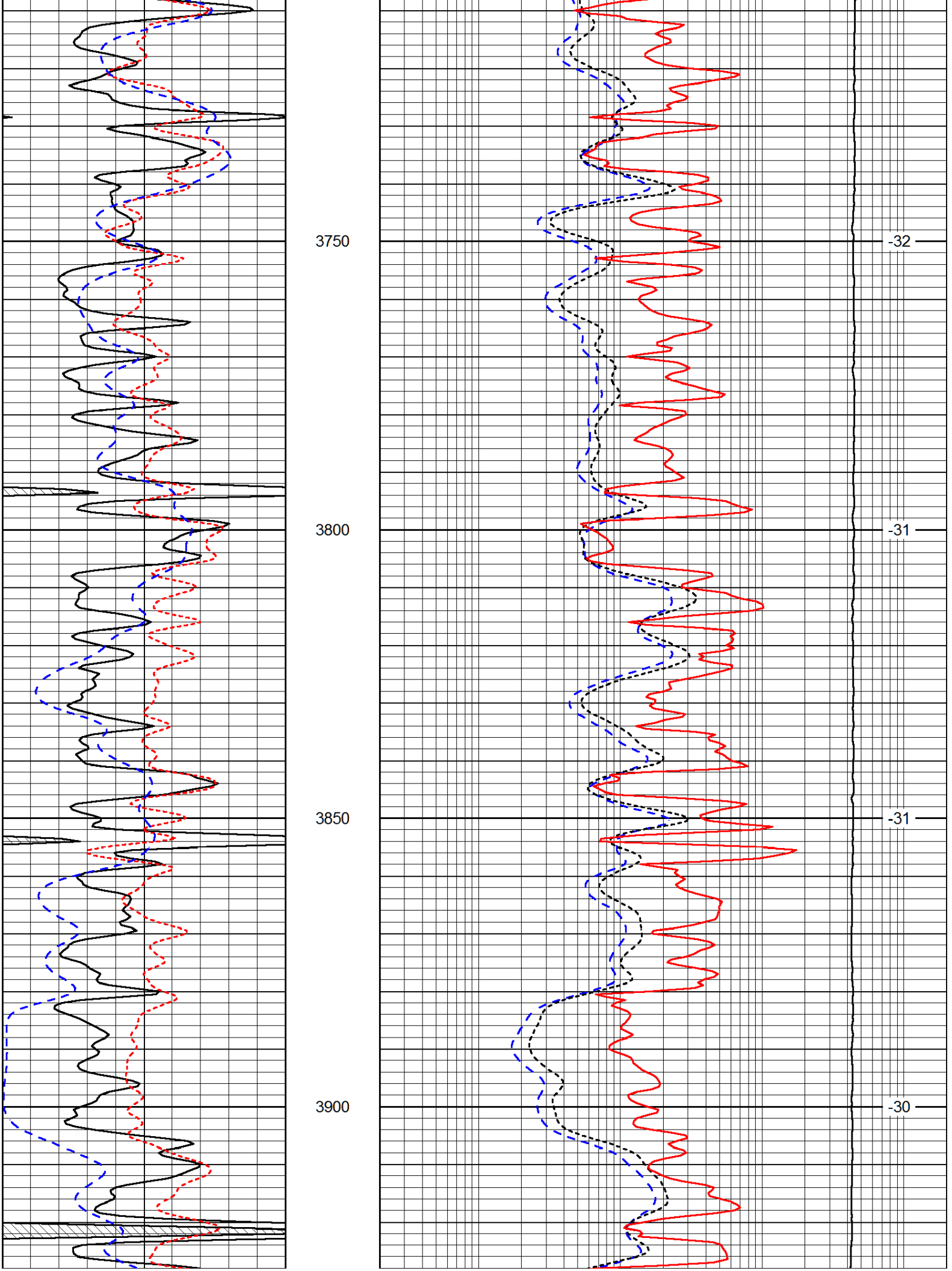
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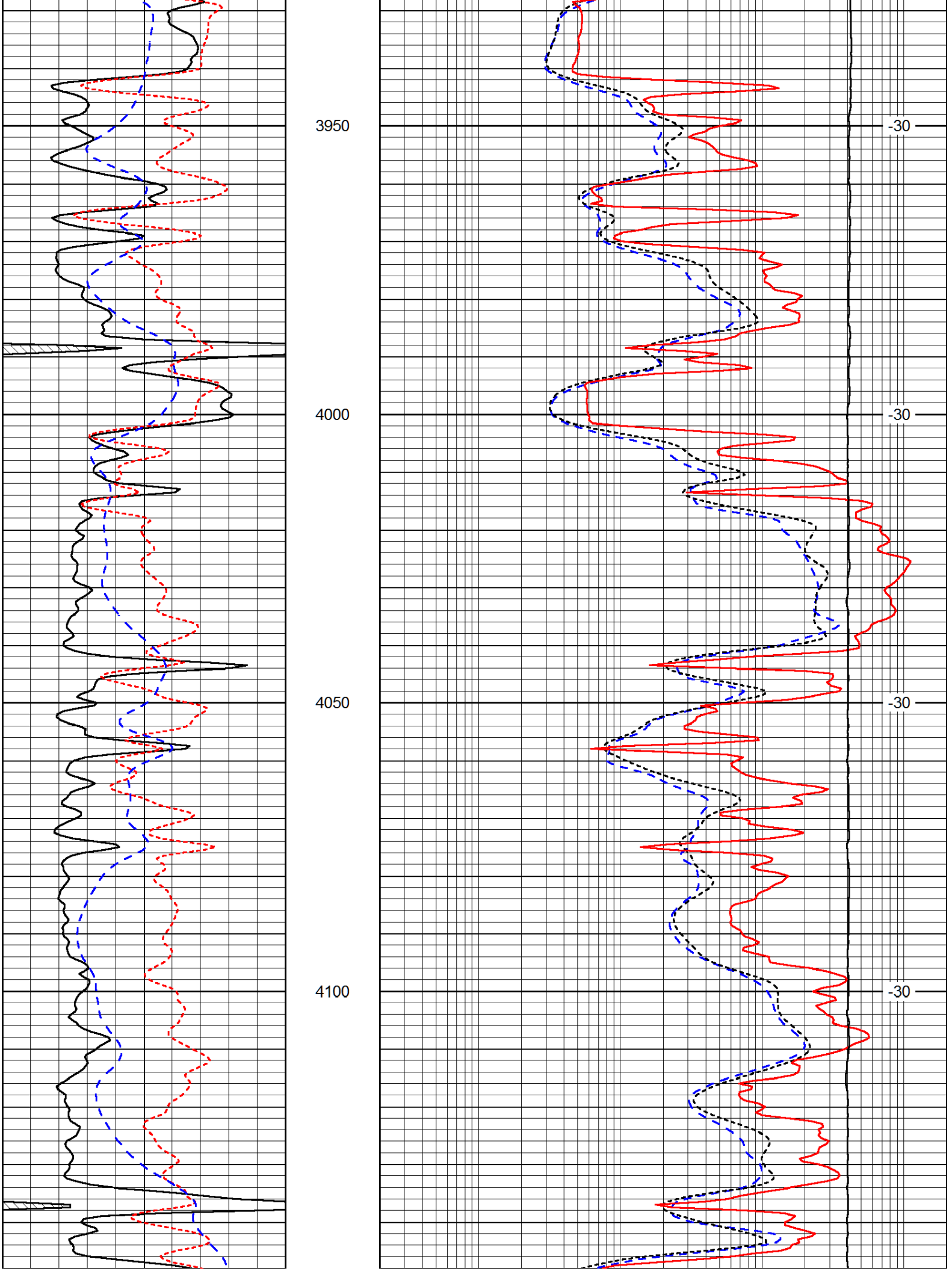
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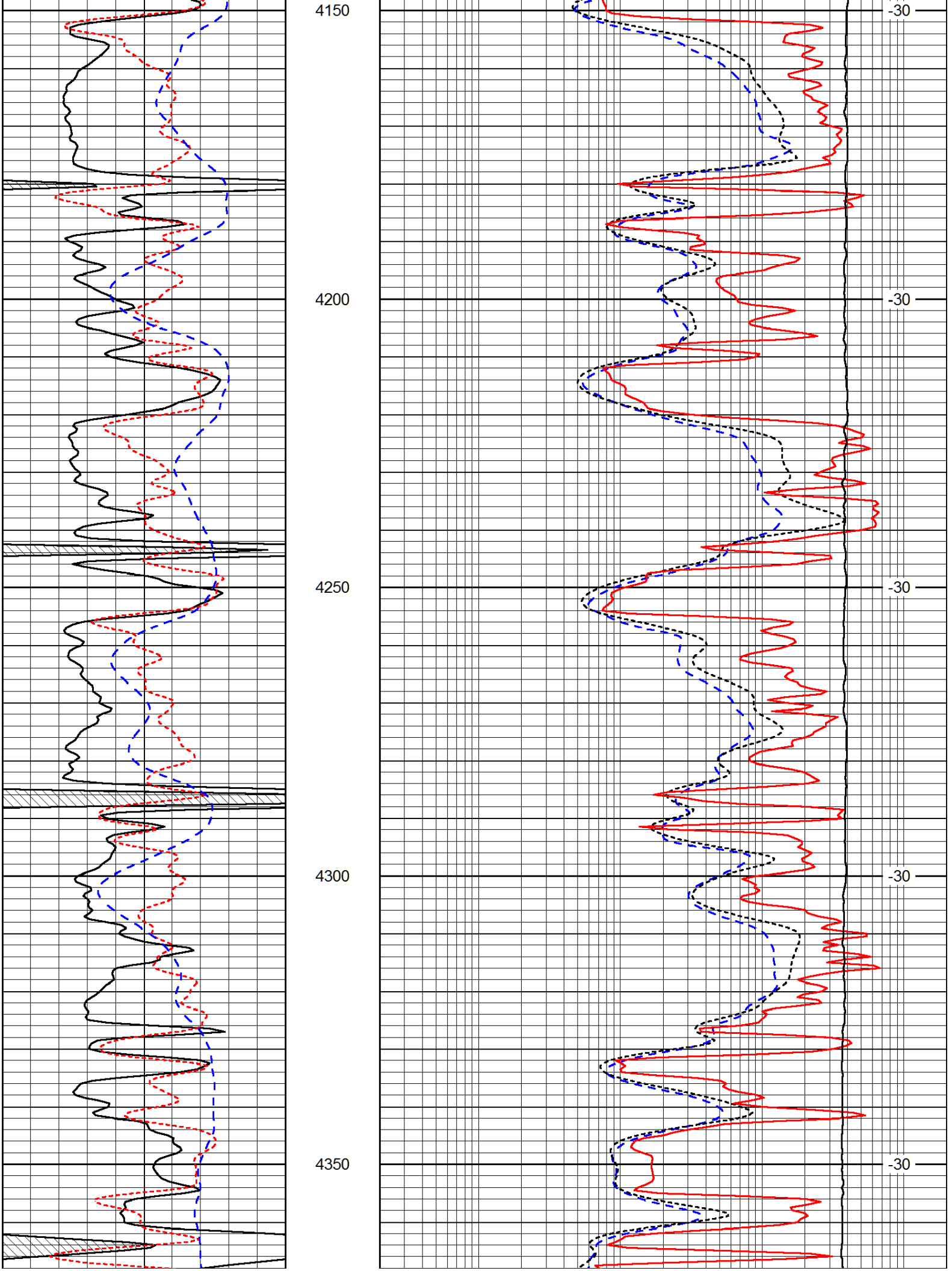
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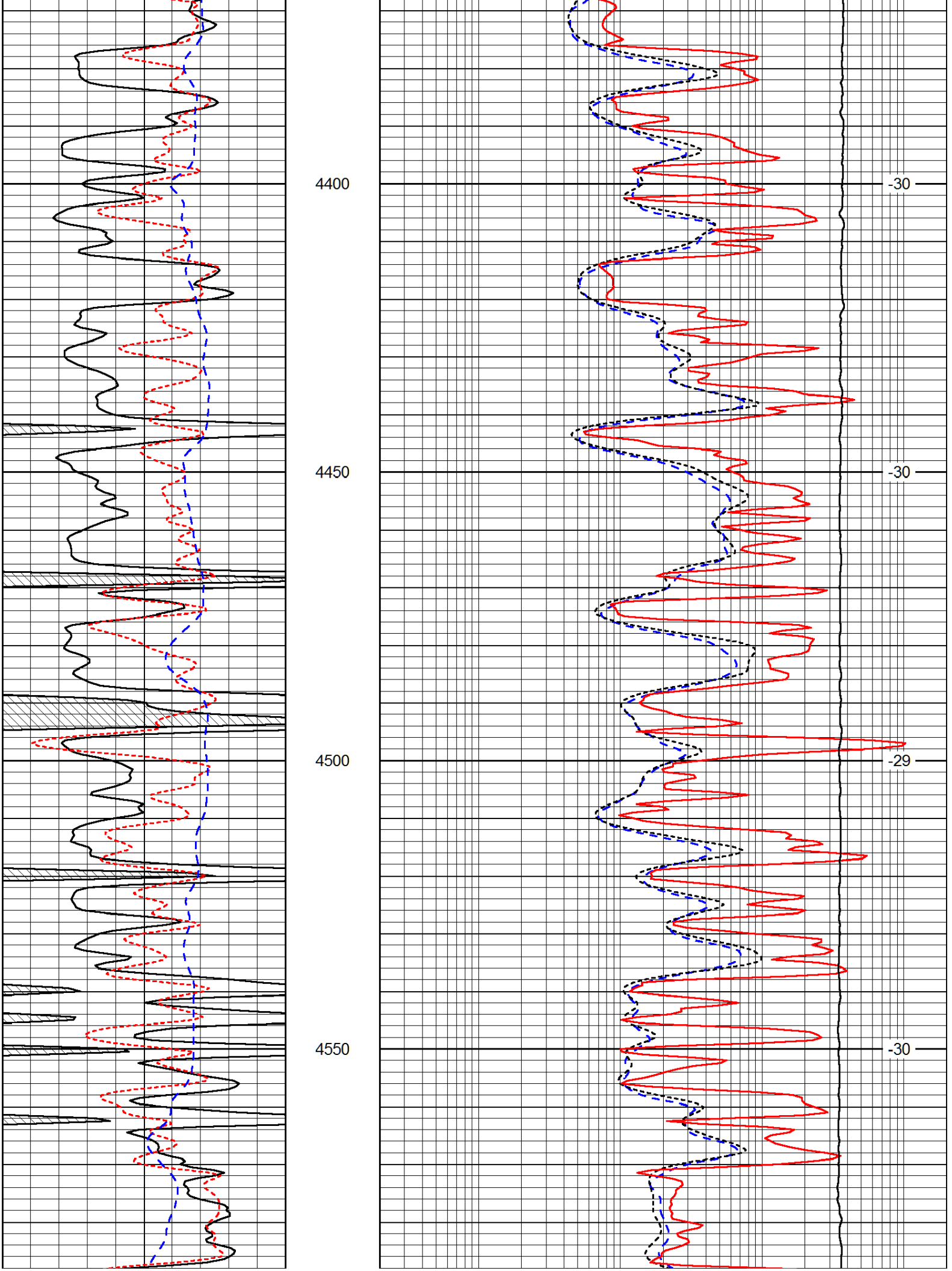
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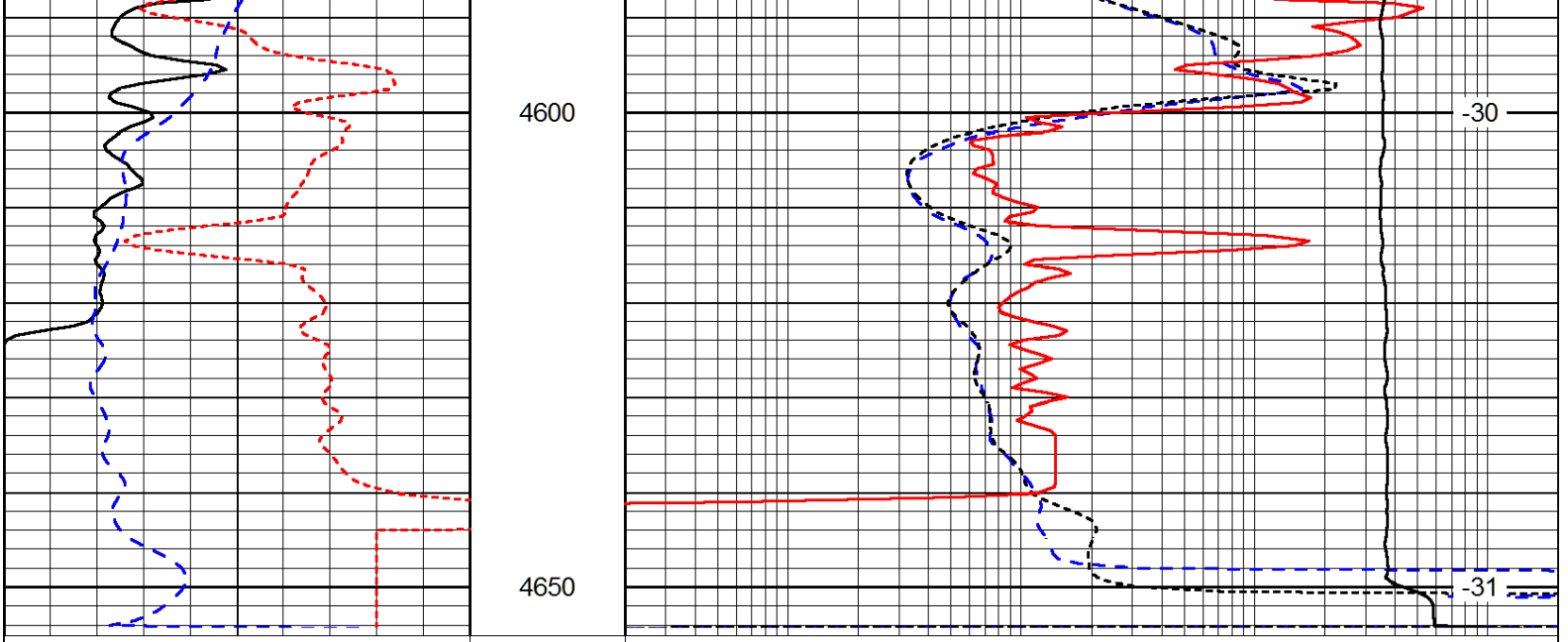

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