56 ARM CALIPER LOG

Company	SOUTHERN CALIFORNIA GAS COMPANY
Well	PORTER 69H
Field	ALISO CANYON
County	LOS ANGELES
State	CALIFORNIA

Company SOUTHERN CALIFORNIA GAS COMPANY
Well PORTER 69H
Field ALISO CANYON
County LOS ANGELES
State CALIFORNIA

Company SOUTHERN CALIFORNIA GAS COMPANY
Well PORTER 69H
Field ALISO CANYON
County LOS ANGELES State CALIFORNIA

Location: API # : 0403724223
X:1937425
Y:6393264

SEC 28 TWP 4N RGE 16W

Other Services
HRVRT

Elevation
K.B. 2399
D.F.
G.L. 2371

Permanent Datum	GROUND LEVEL	Elevation	2371'
Log Measured From	KB 28'		
Drilling Measured From	KB		

Date	JUNE 13, 2016		
Run Number	1		
Service Order	US107816		
Depth Driller	7860		
Depth Logger	7447		
Bottom Logged Interval	7447		
Top Log Interval	0		
Type Fluid	KCL		
Density / Viscosity	8.5 LB/G		
Max. Recorded Temp.	162		
Estimated Cement Top			
Time Well Ready	0600		
Time Logger on Bottom	0730		
Equipment Number	4353		
Location	SHAFTER, CA		
Recorded By	A. SMITH/ B.DEAL		
Witnessed By	T. MCMAHON		

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	13.38	54.5	0	859
Prot. String	9.625	47	0	7960
Production String				
Liner				

<<< Fold Here >>>

In making interpetations of logs, our employees will give the customer the benefit of their best judgement. But since all interpetations are opinions based on inferences from electrical or other measurements, we cannot, and we do not guarantee the accuracy or correctness of any interpretation. We shall not be liable or responsible for any loss, cost, damages, or expenses whatsoever incurred or sustained by the customer resulting from any interpretation made by any of our employees.

Comments

LOG CORRELATED TO BAKER ATLAS BOND LOG
DATED AUGEST 14, 2004

SHIFTED -8.5 FEET
200' REPEAT OFF BOTTOM

MAIN PASS

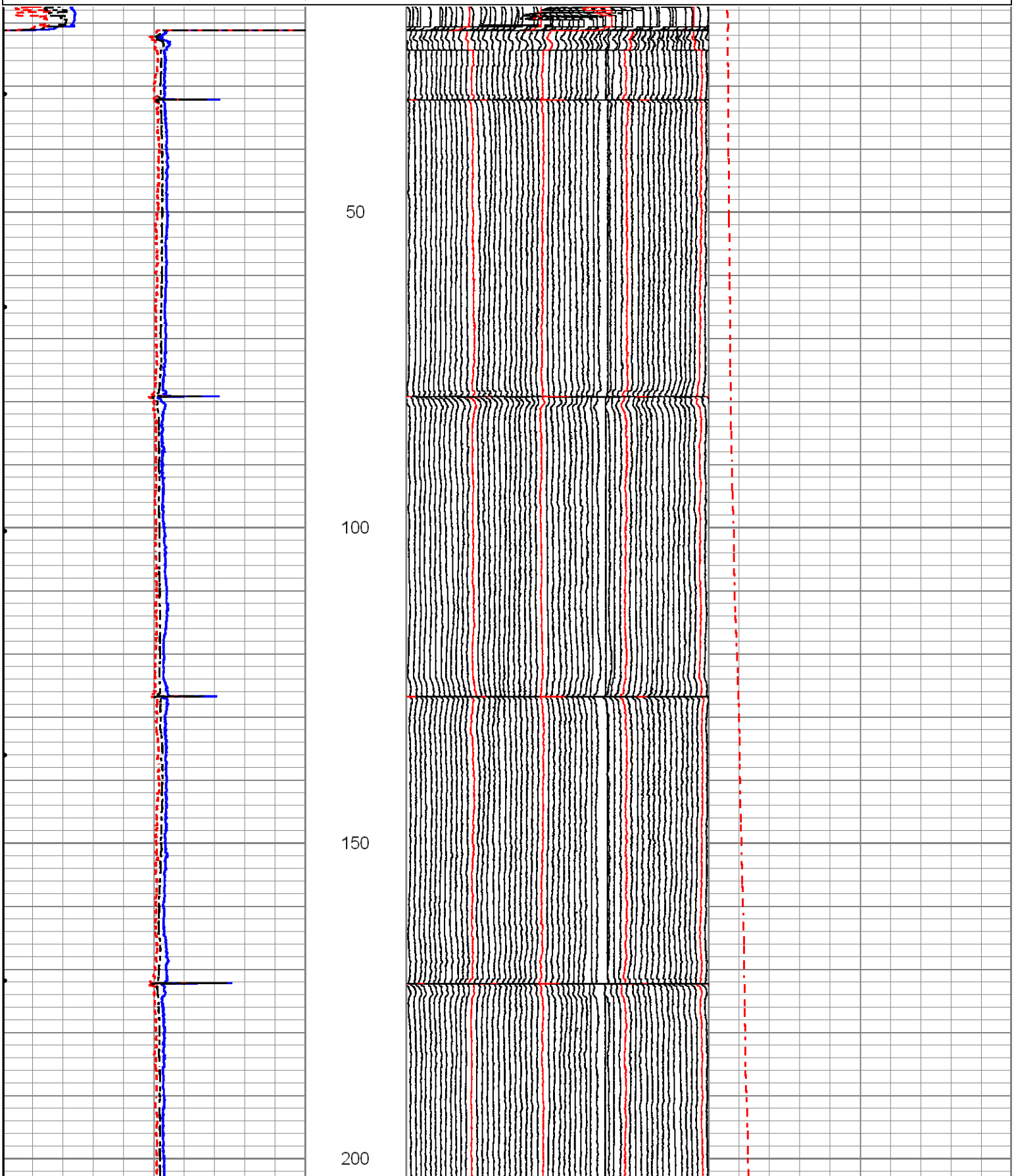
1430' - 0'

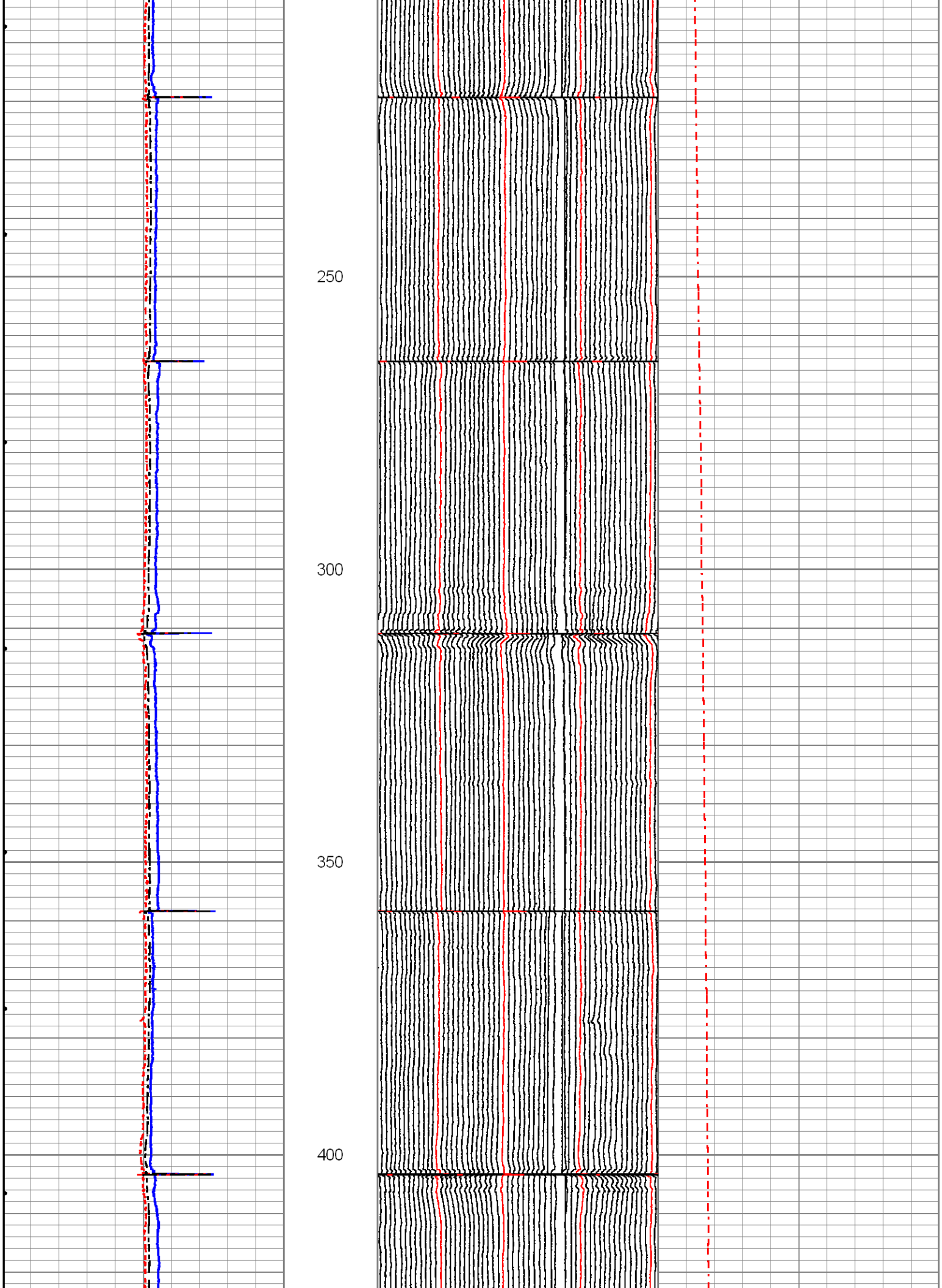
Database File	porter_69h_2.db
Dataset Pathname	ALISO_CANYON/69H/run1/pass22
Presentation Format	56_47lb
Dataset Creation	Mon Jun 13 12:58:26 2016
Charted by	Depth in Feet scaled 1:240

7.681	Max ID (in)	9.681
7.681	Min ID (in)	9.681
7.681	IDAV (in)	9.681

56 RADII .05" INC.

70 WTEMP (degF) 170

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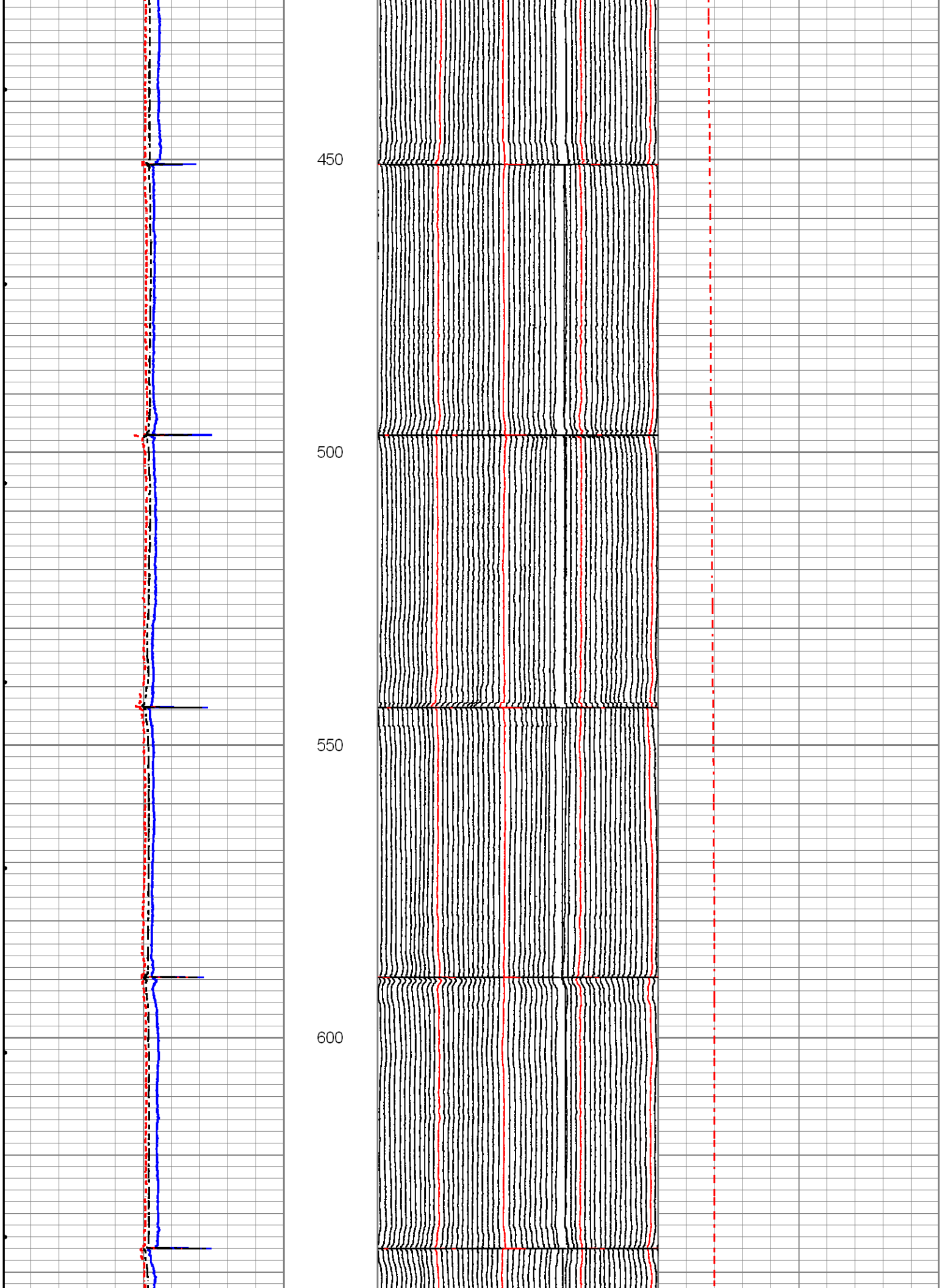
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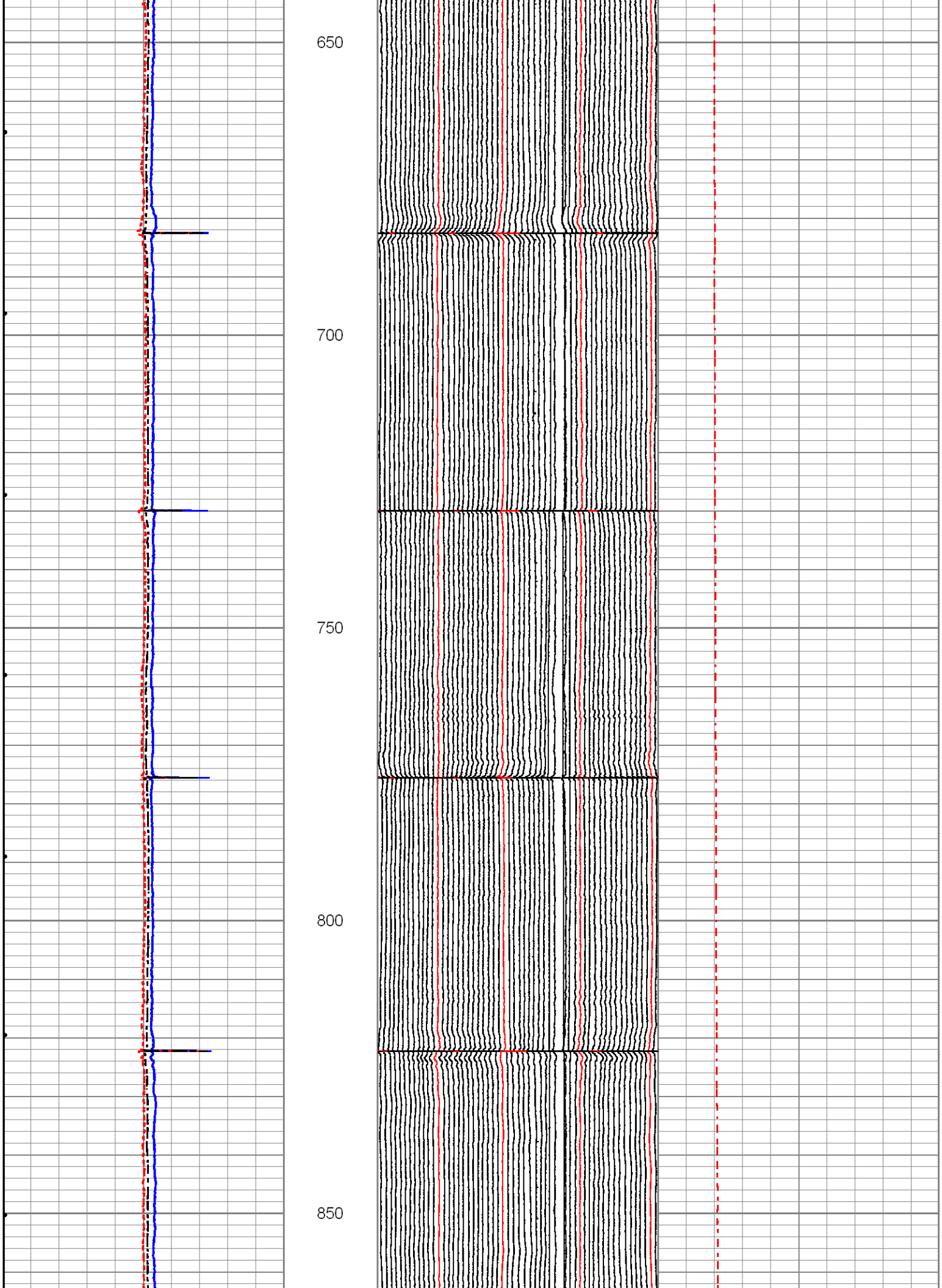
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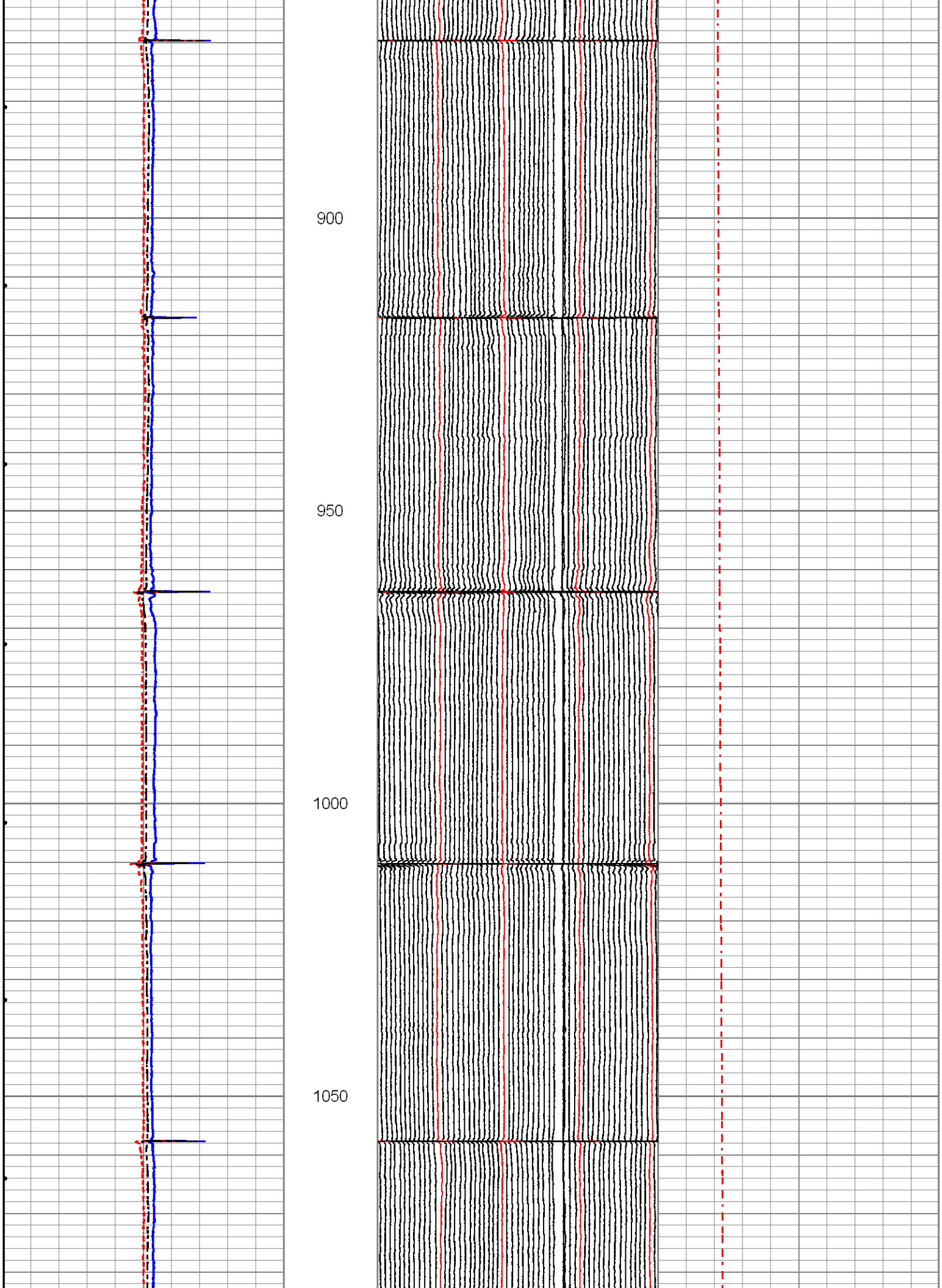
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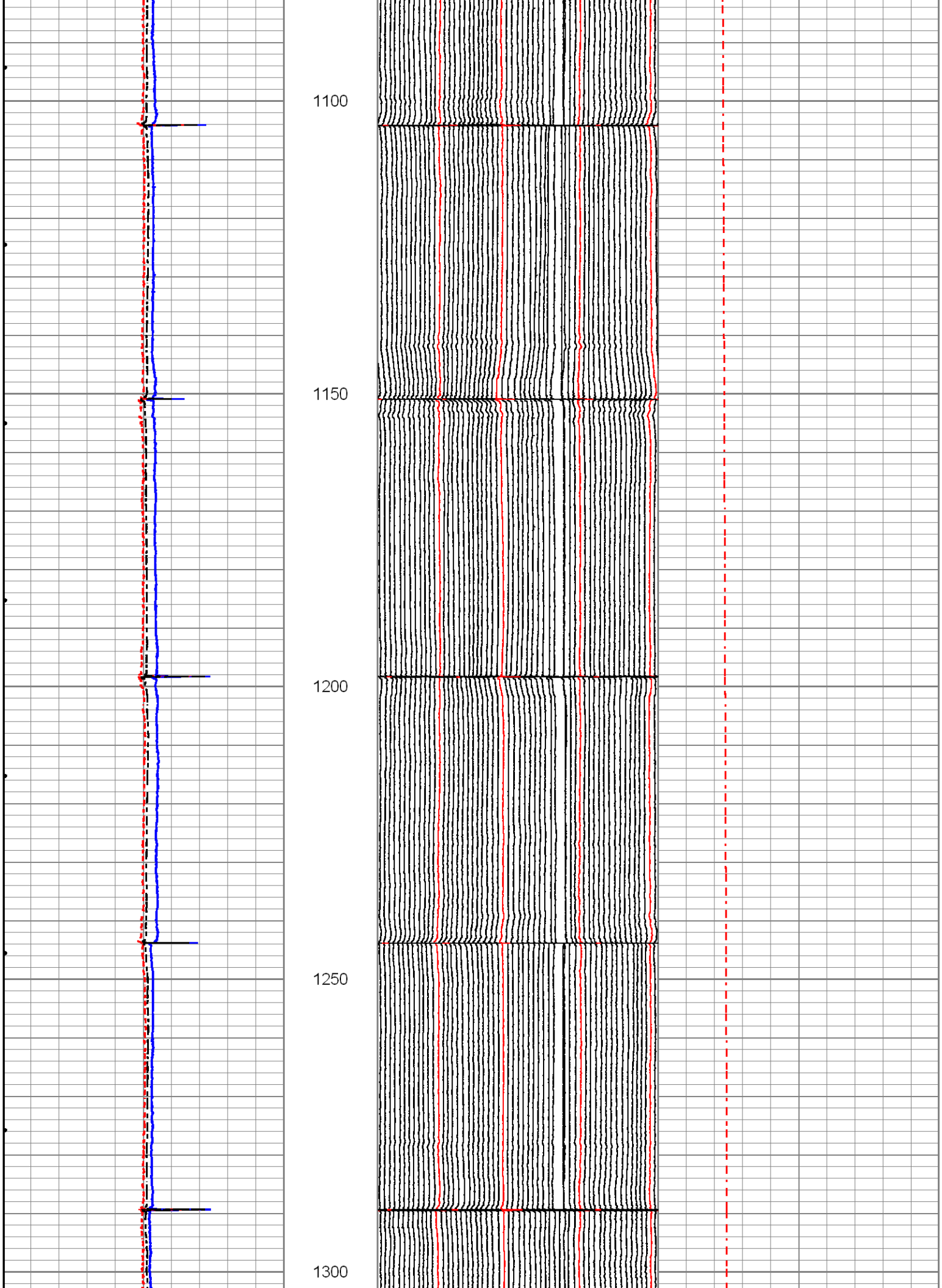
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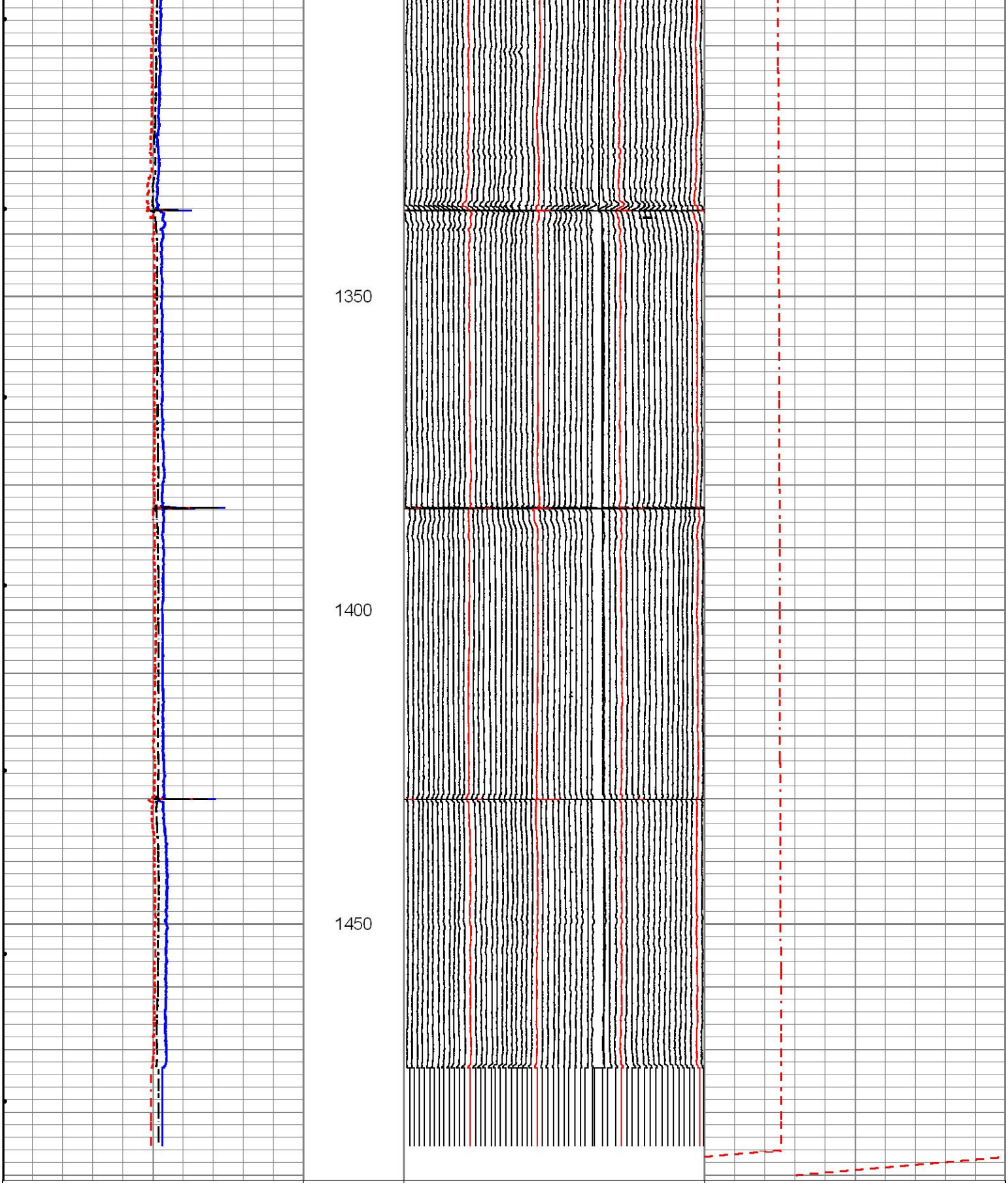

7.681	Max ID (in)	9.681	56 RADII .05" INC.	70	WTEMP (degF)	170
7.681	Min ID (in)	9.681				
7.681	IDAV (in)	9.681				

BAKER

MAIN PASS

BAKER HUGHES

1430' - 7447'

Database File	porter_69h_2.db
Dataset Pathname	ALISO_CANYON/69H/run1/pass2
Presentation Format	56_47lb
Dataset Creation	Mon Jun 13 12:51:47 2016
Charted by	Depth in Feet scaled 1:240

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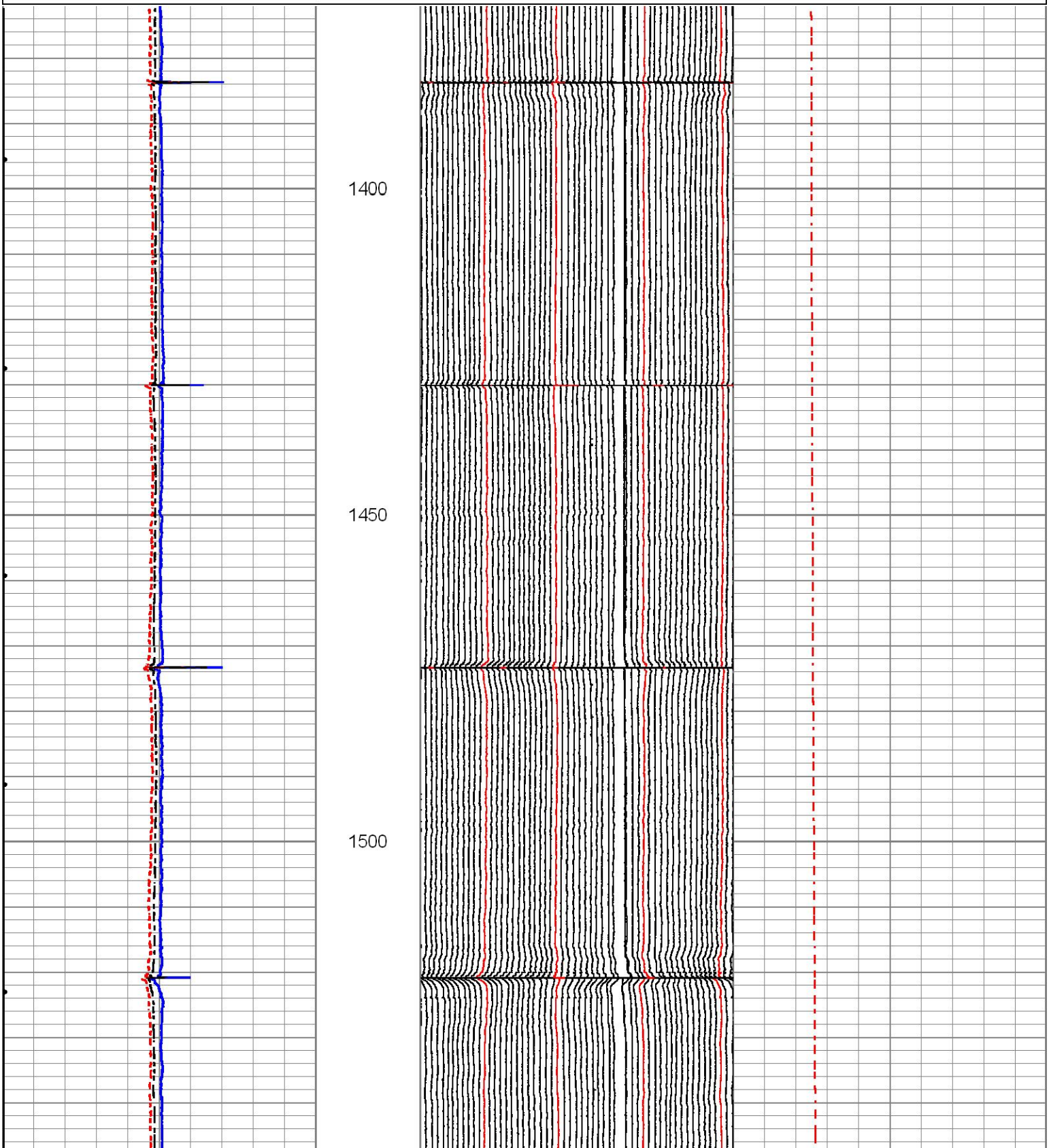
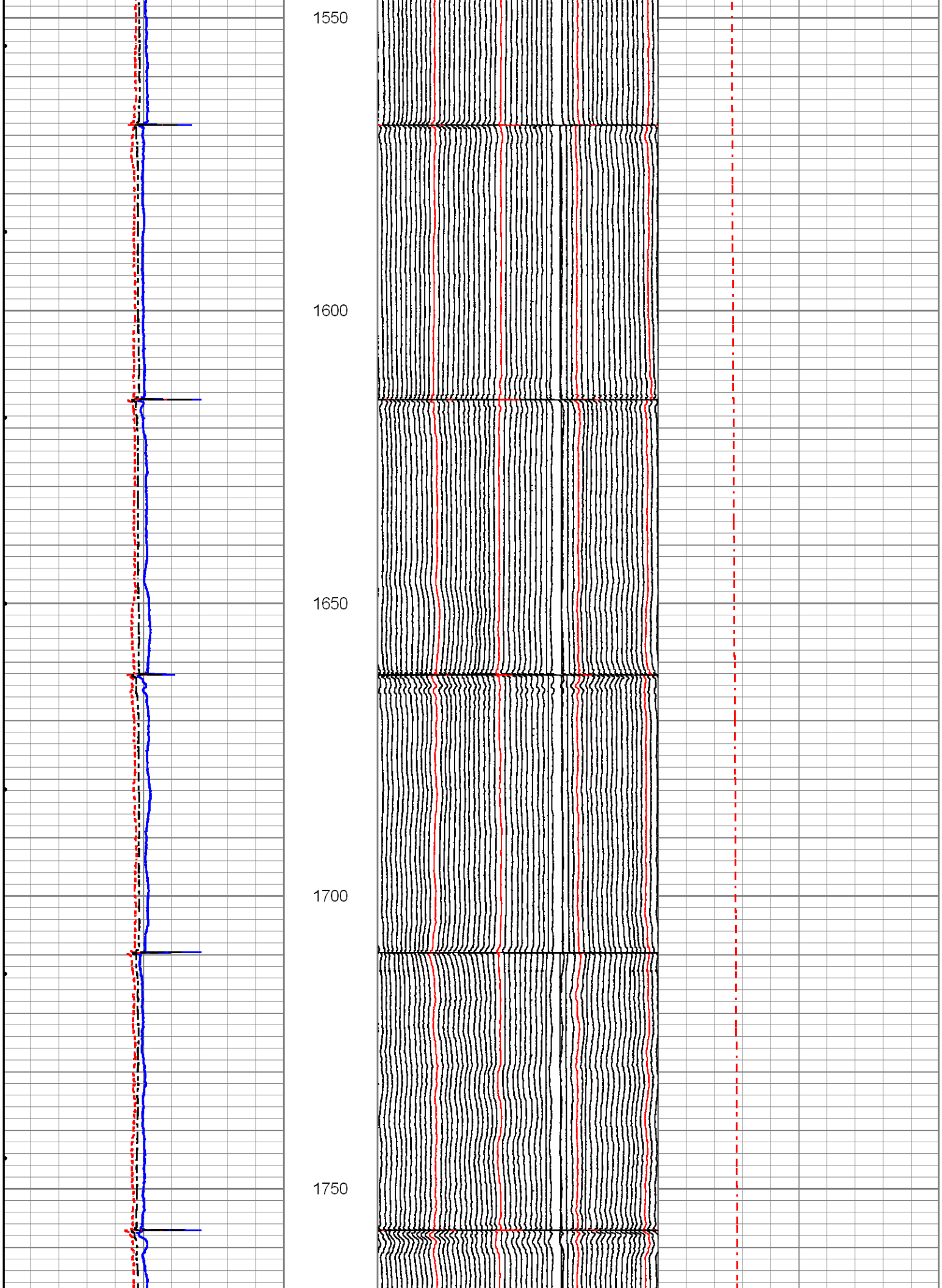
7.681	IDAV (in)	9.681

56 RADII .05" INC.

70 WTEMP (degF) 170

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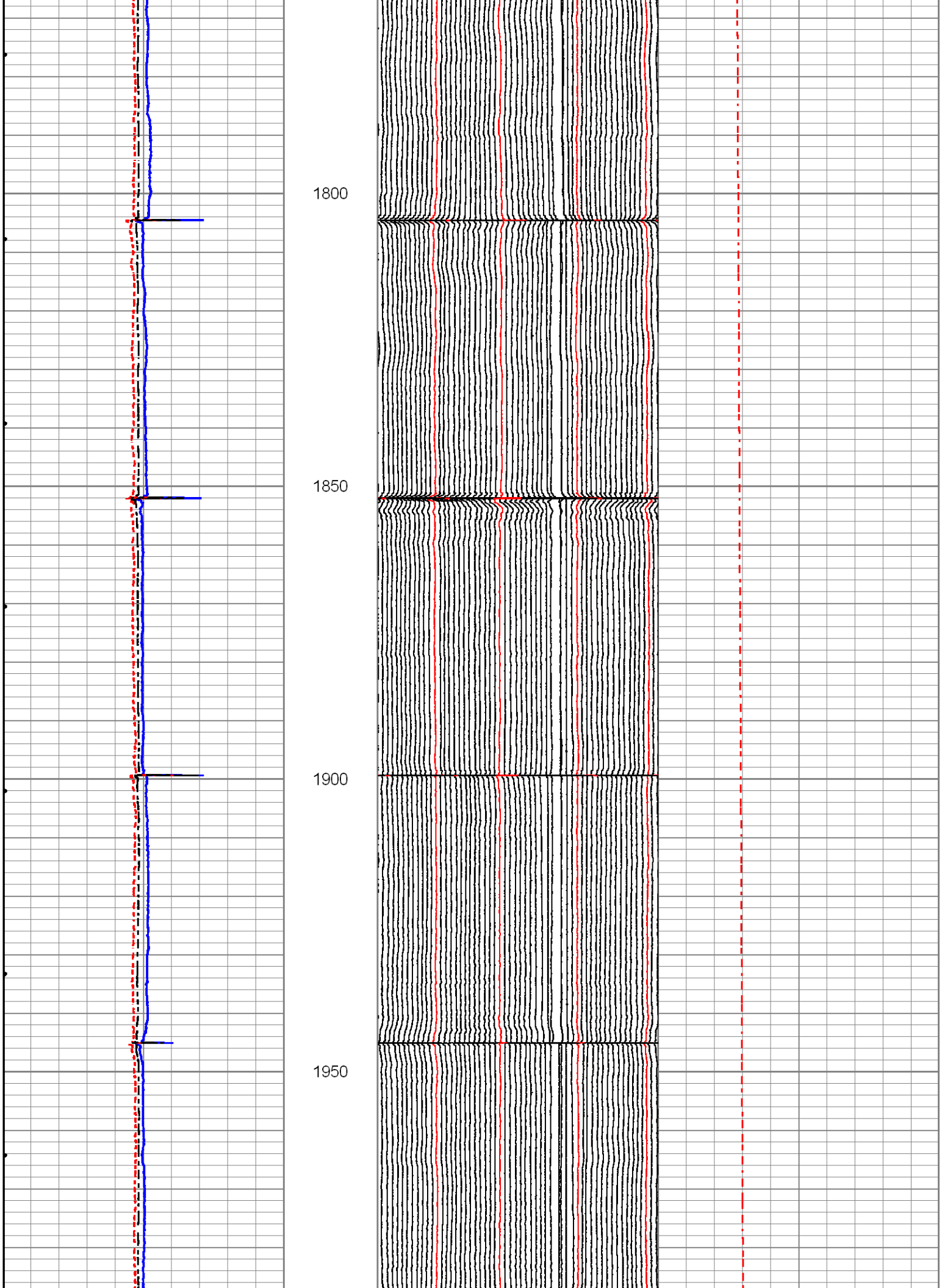
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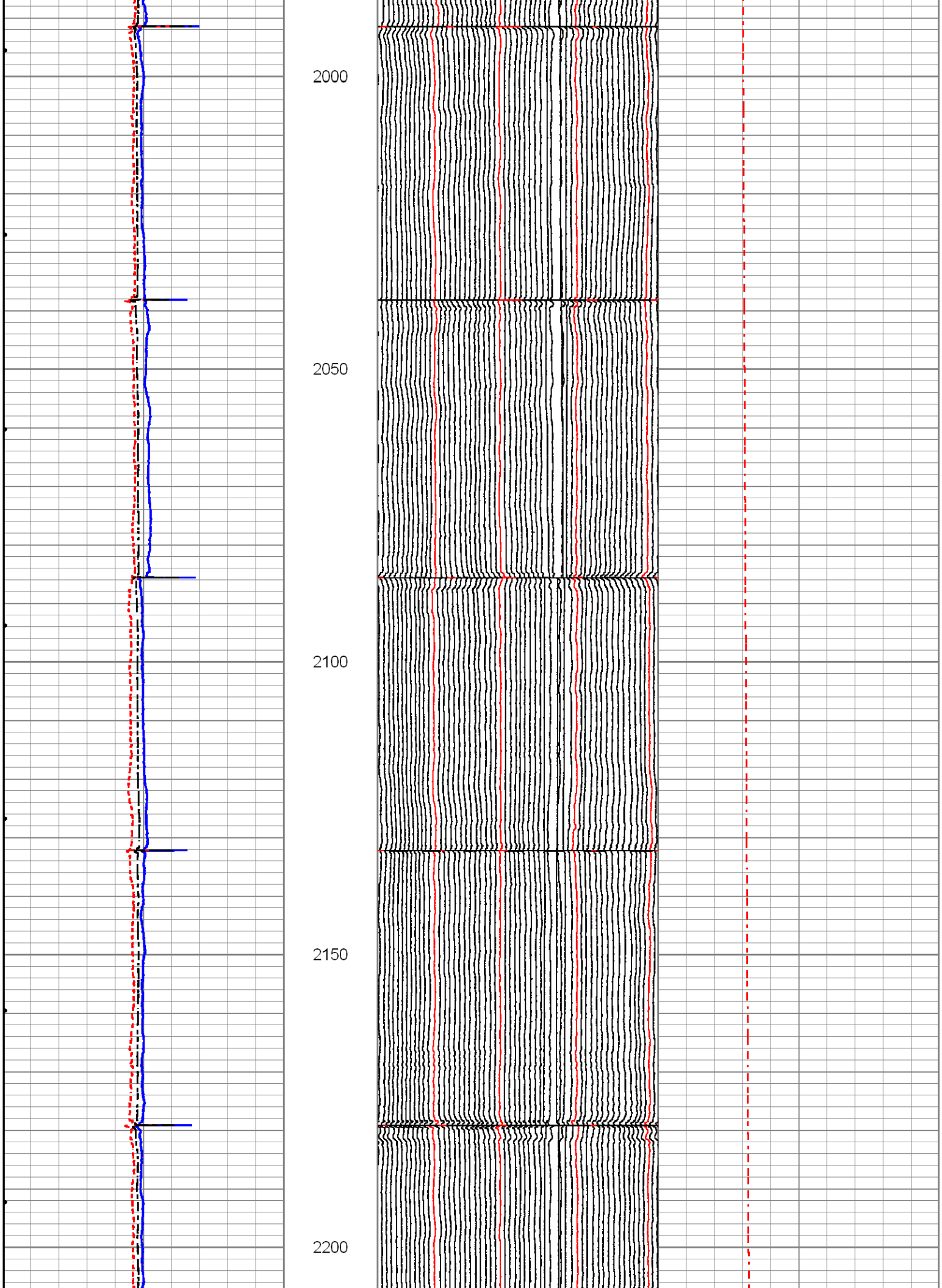
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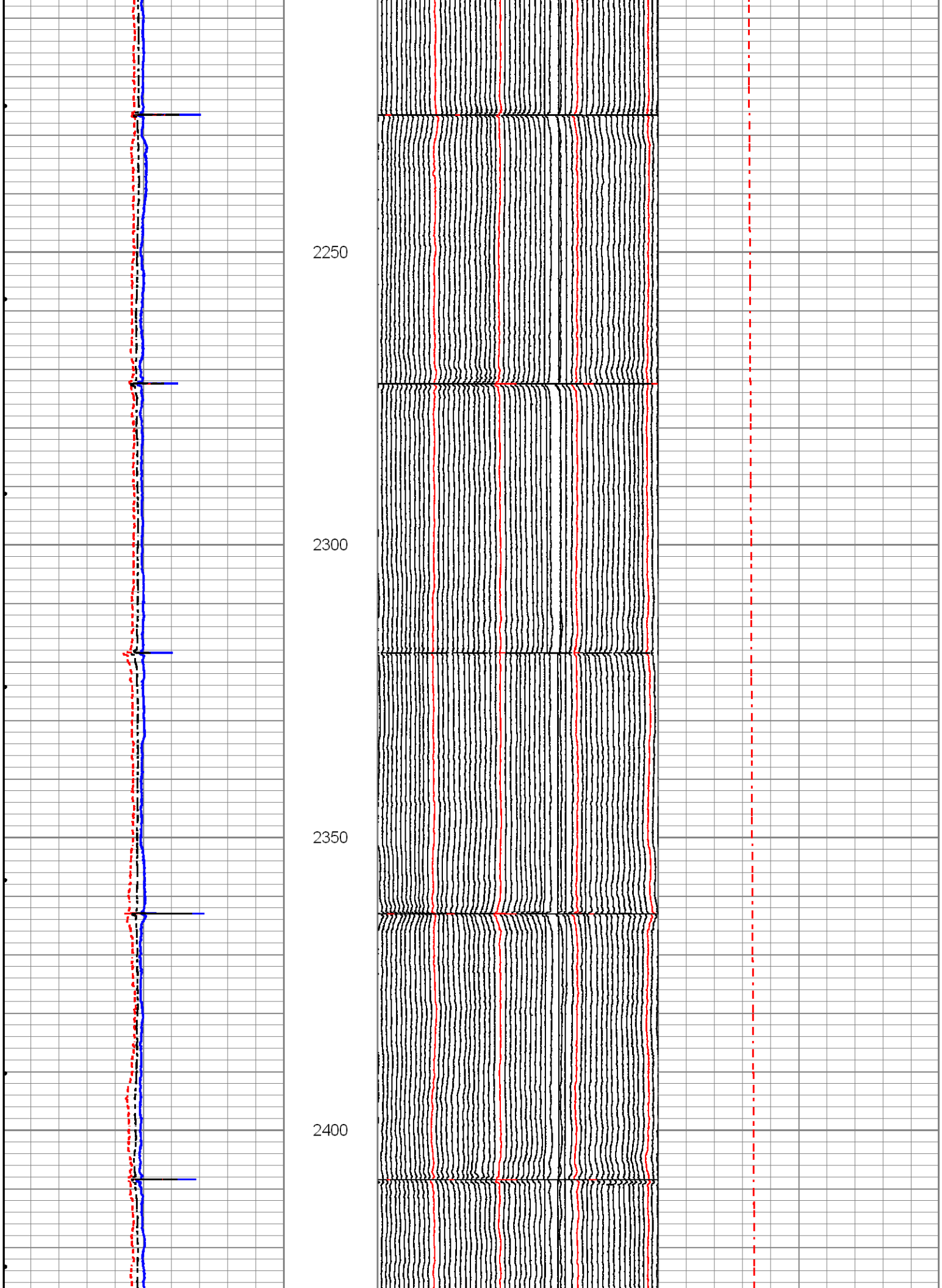
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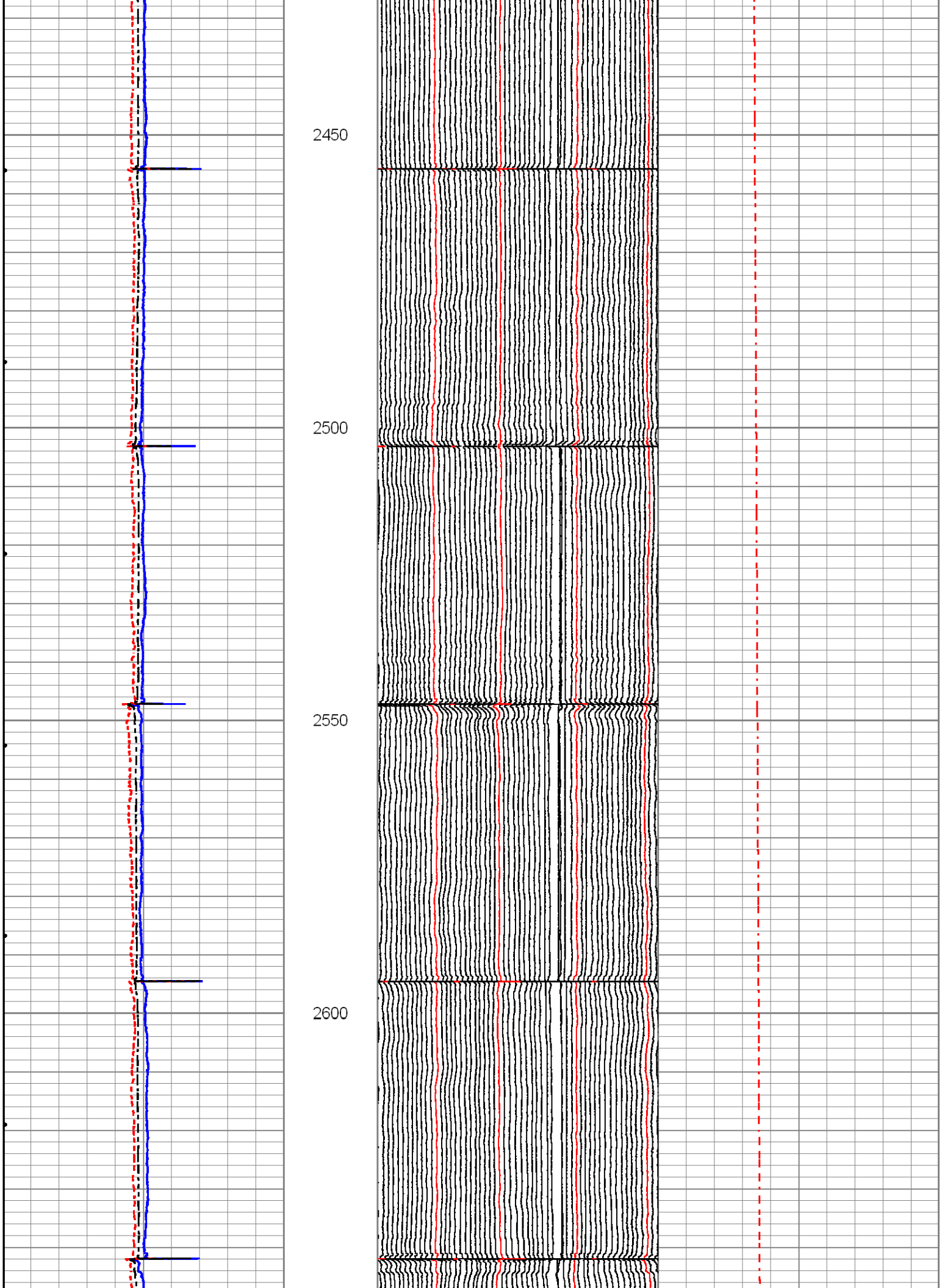
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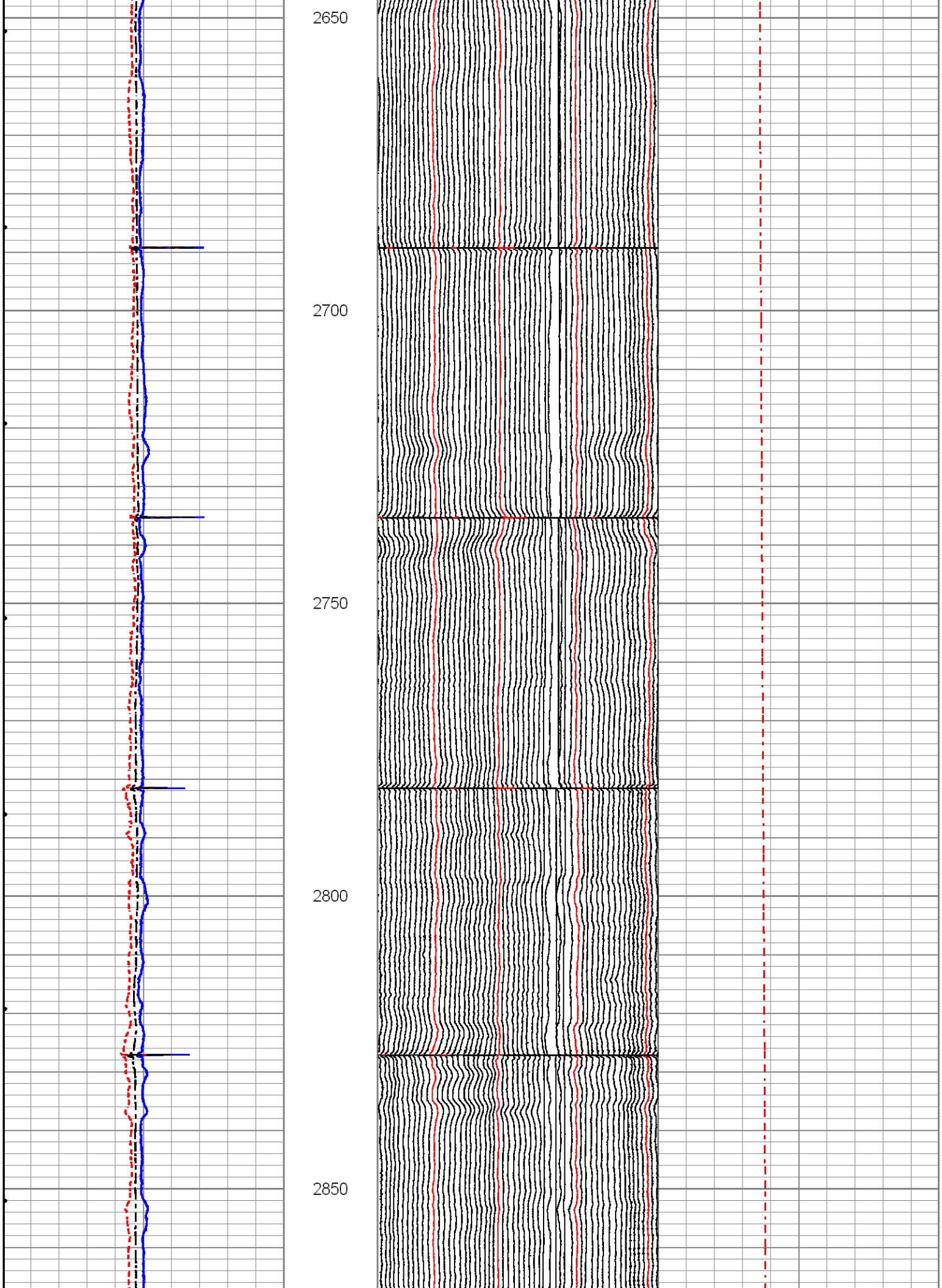
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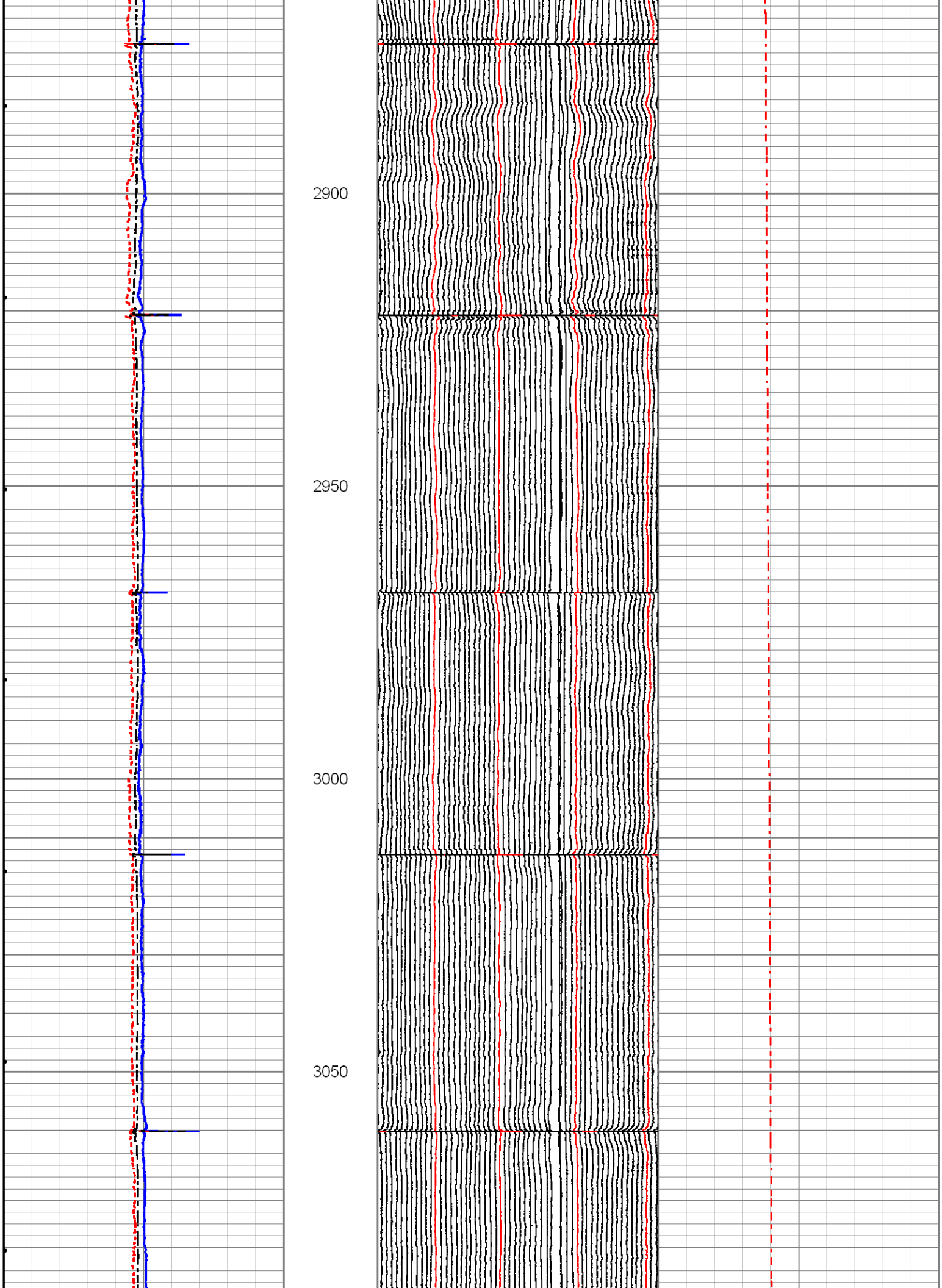
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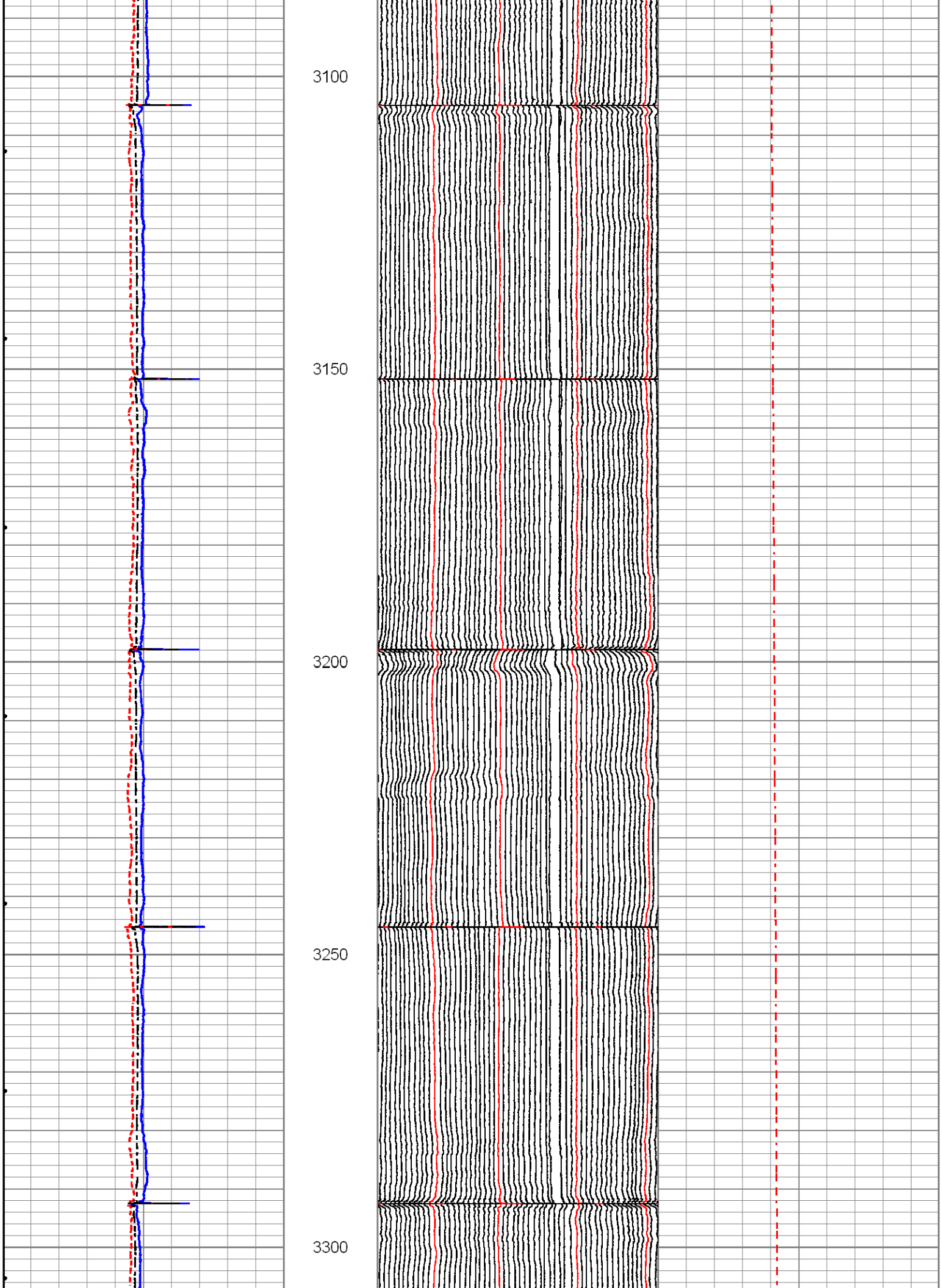
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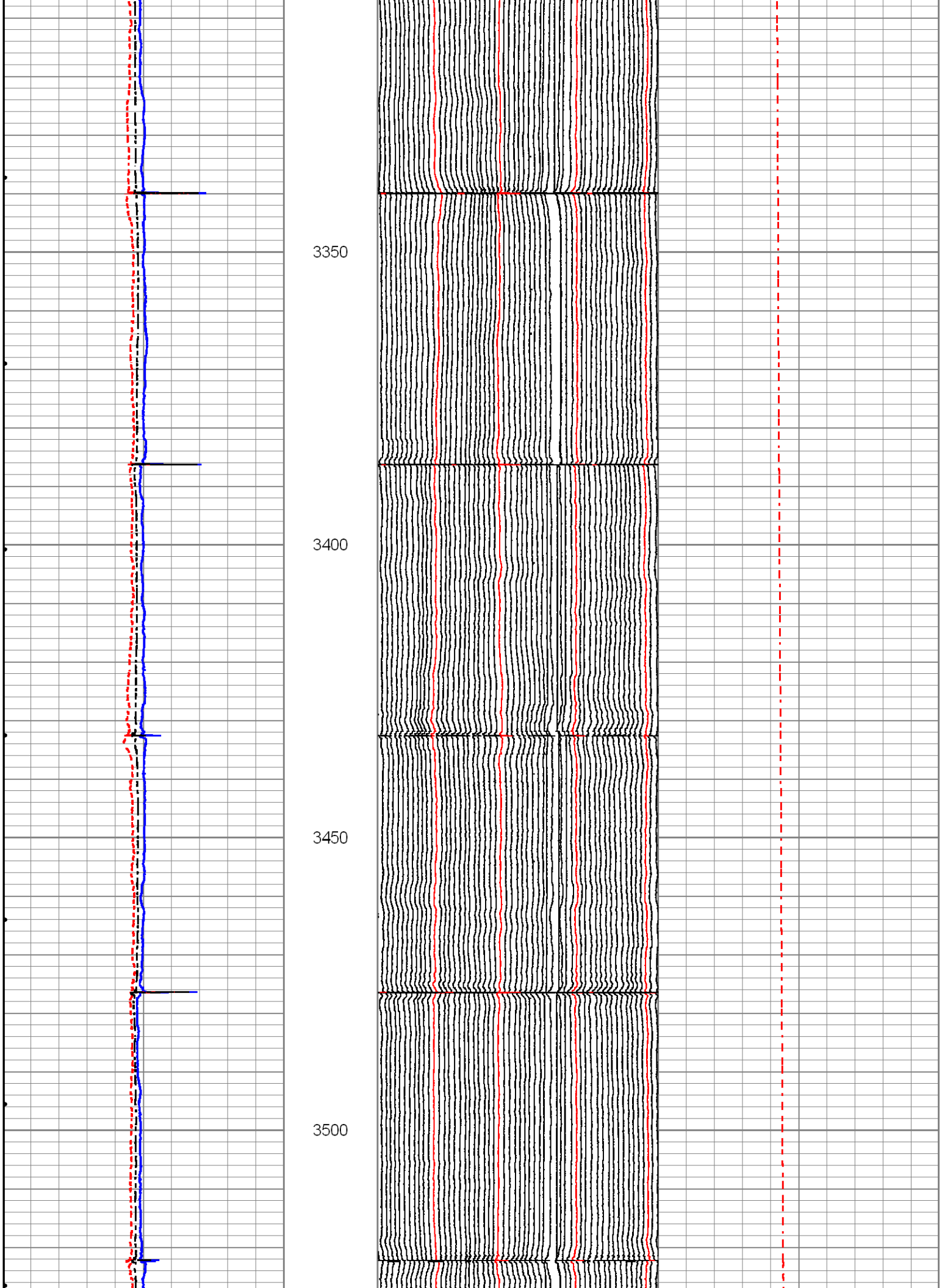
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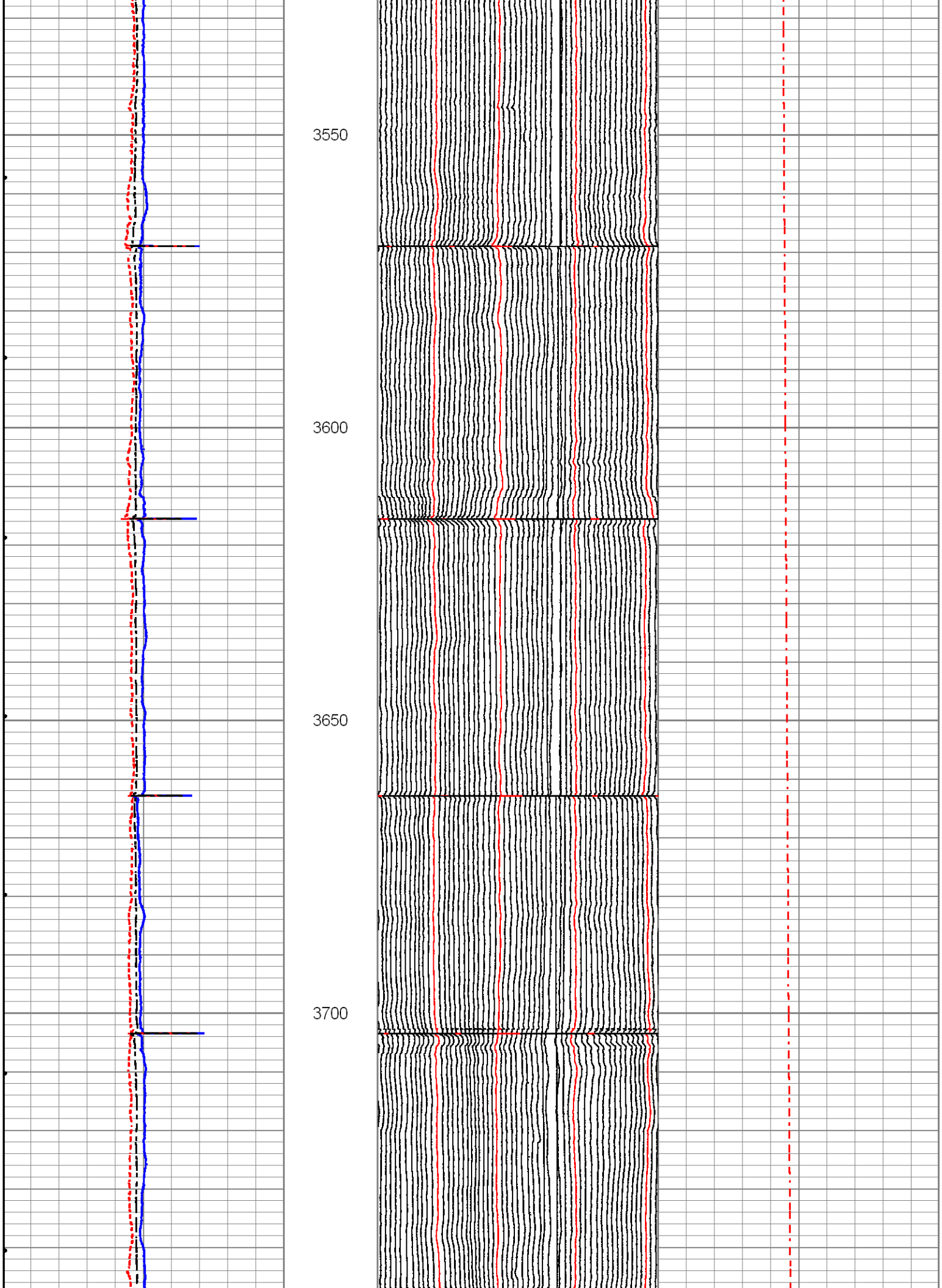
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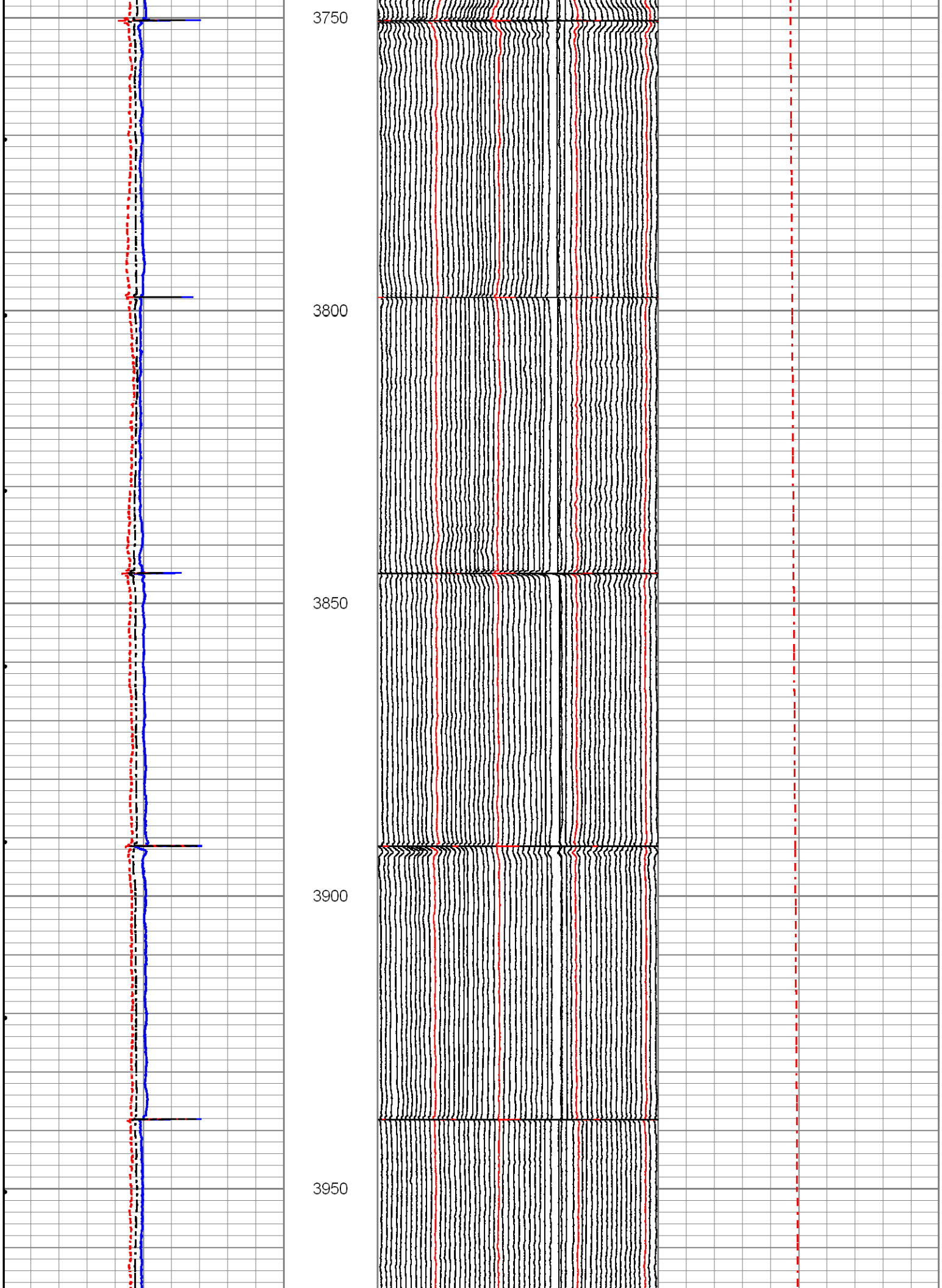
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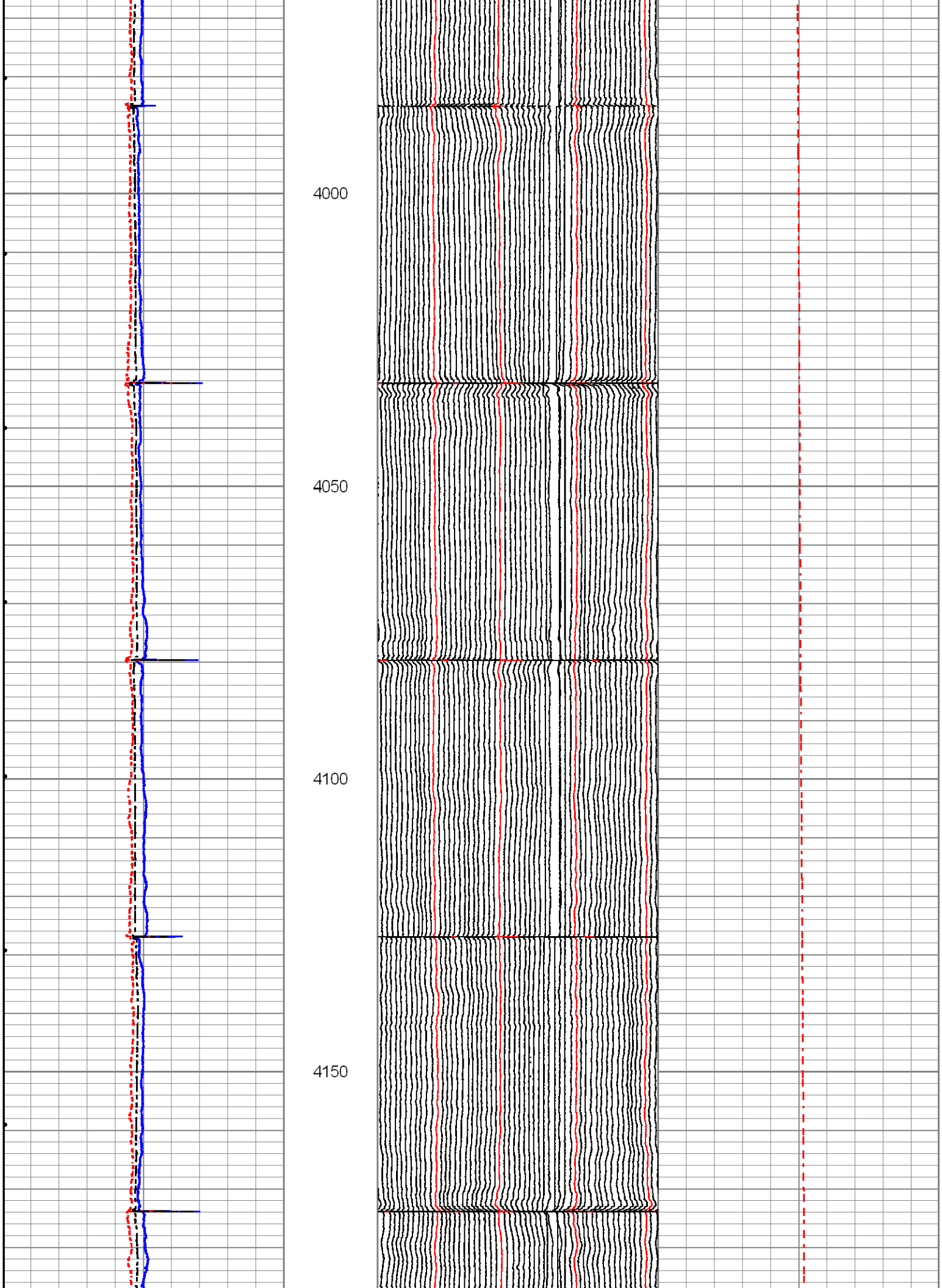
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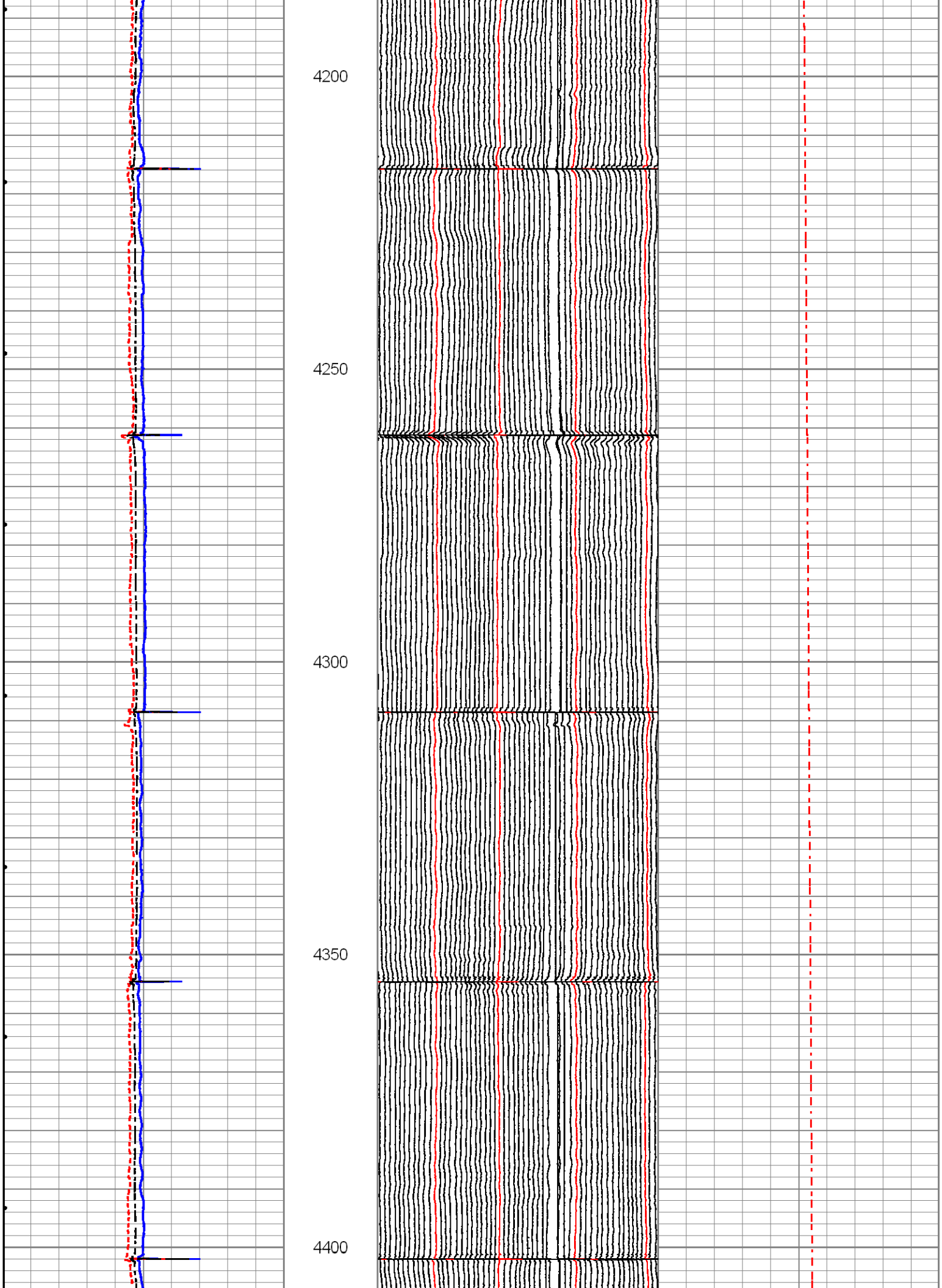
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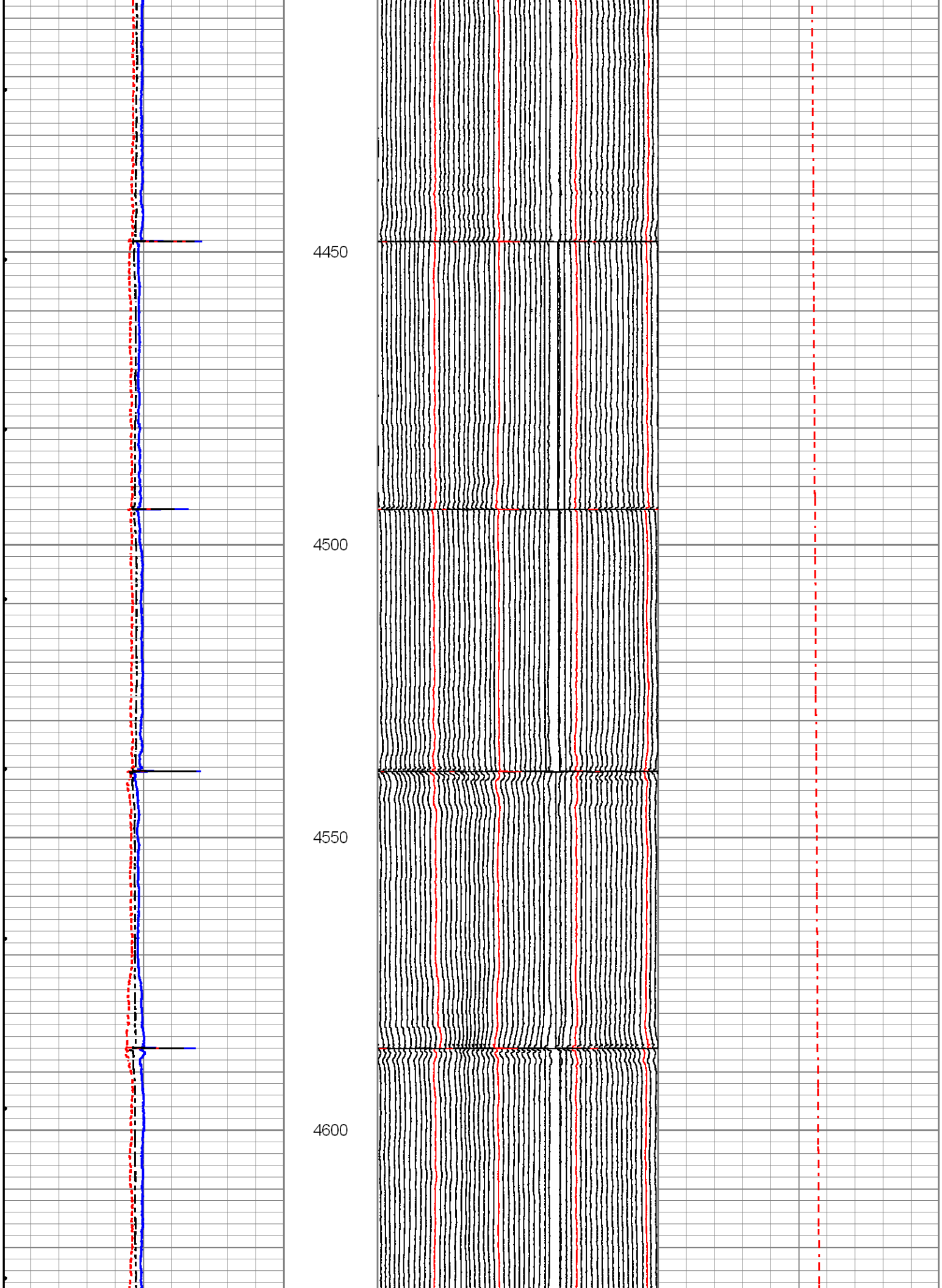
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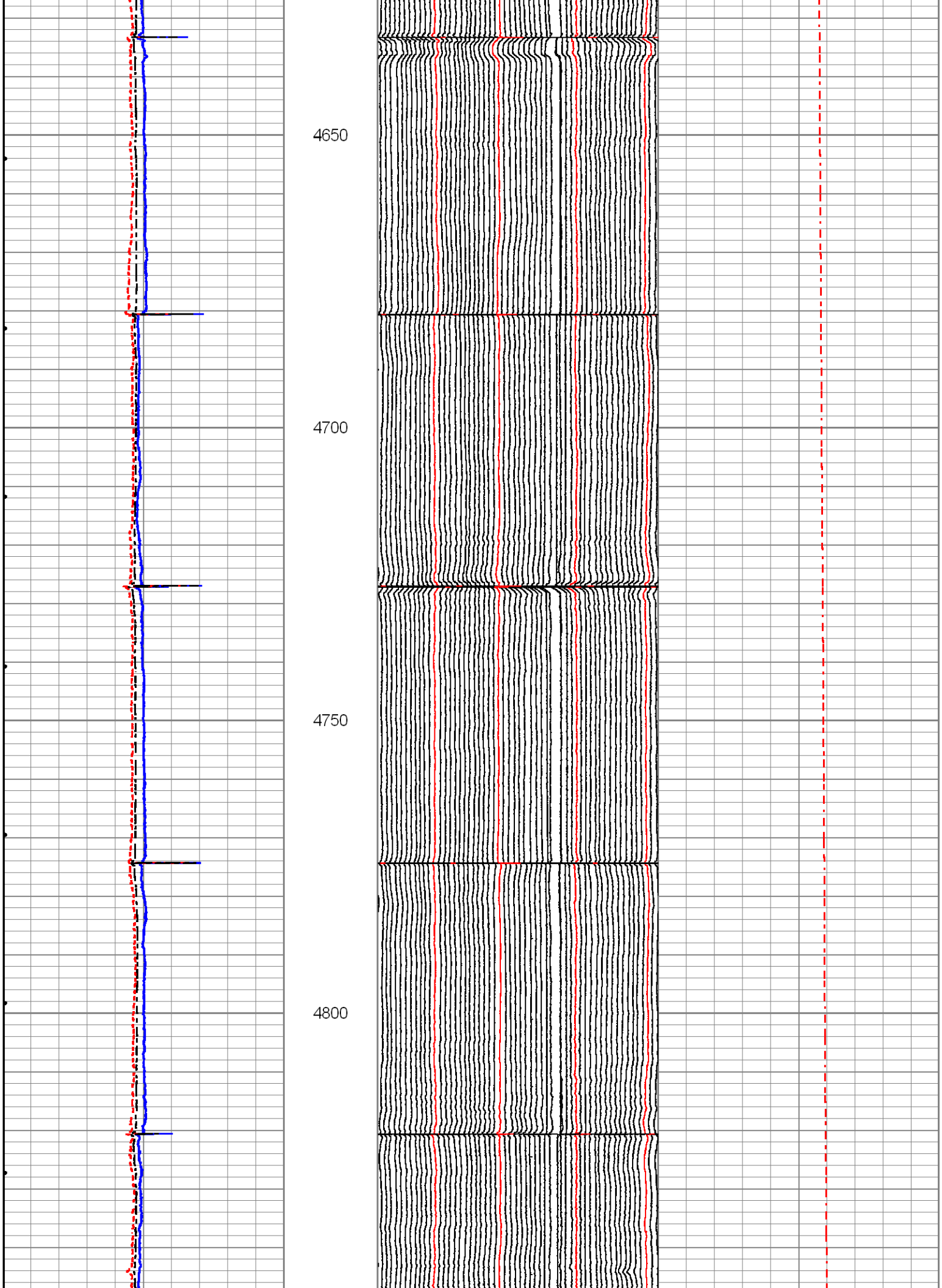
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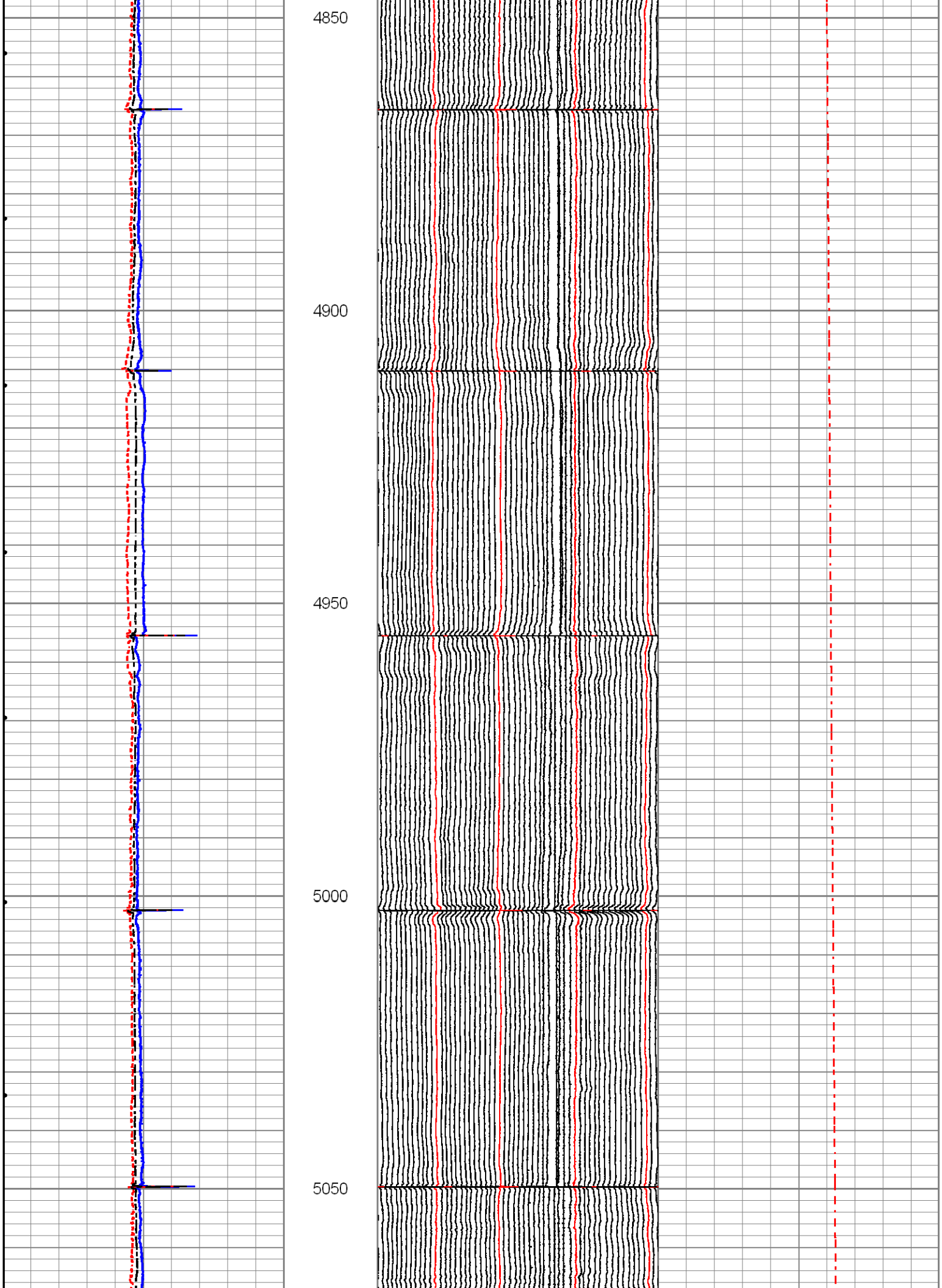
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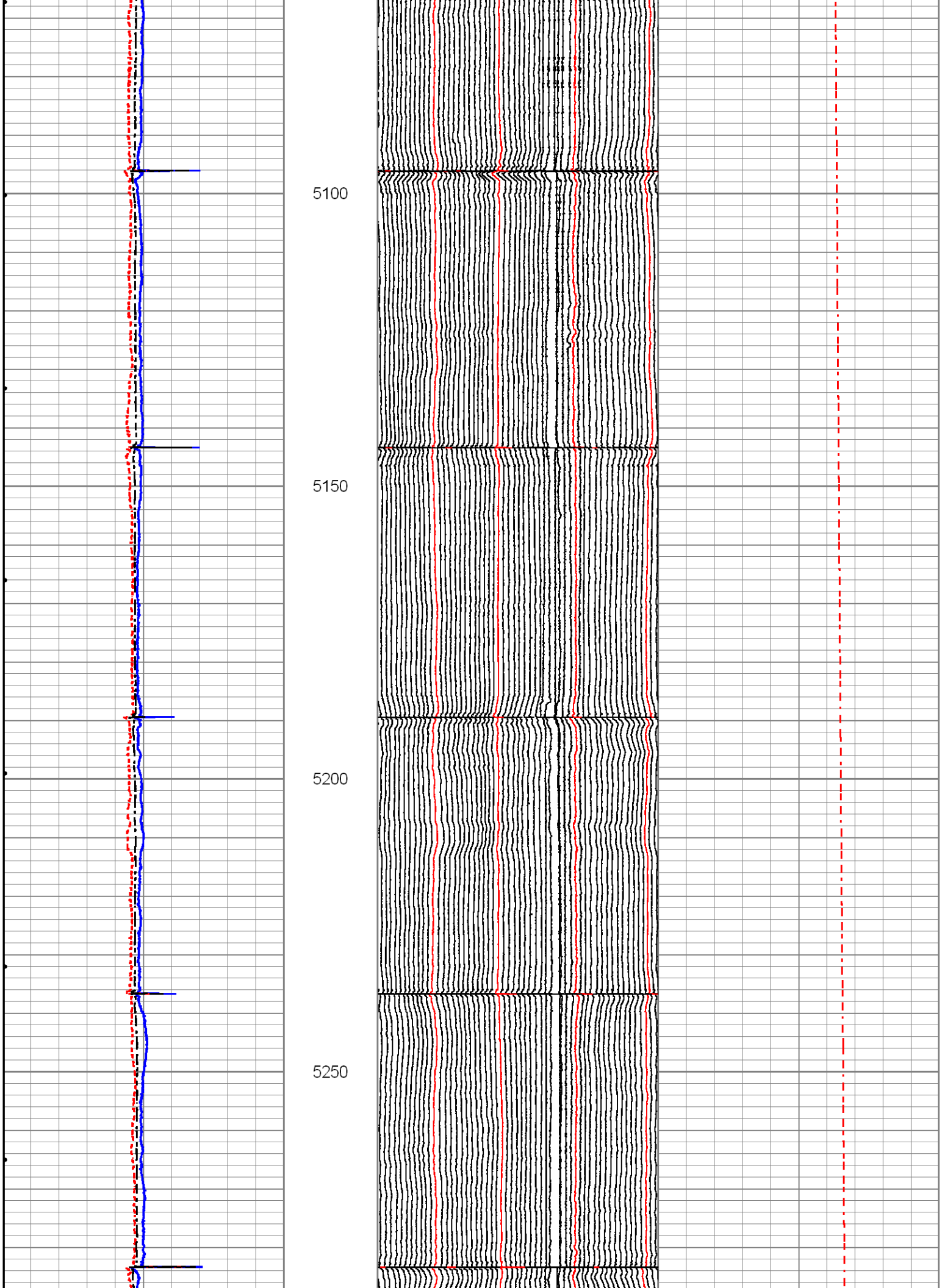
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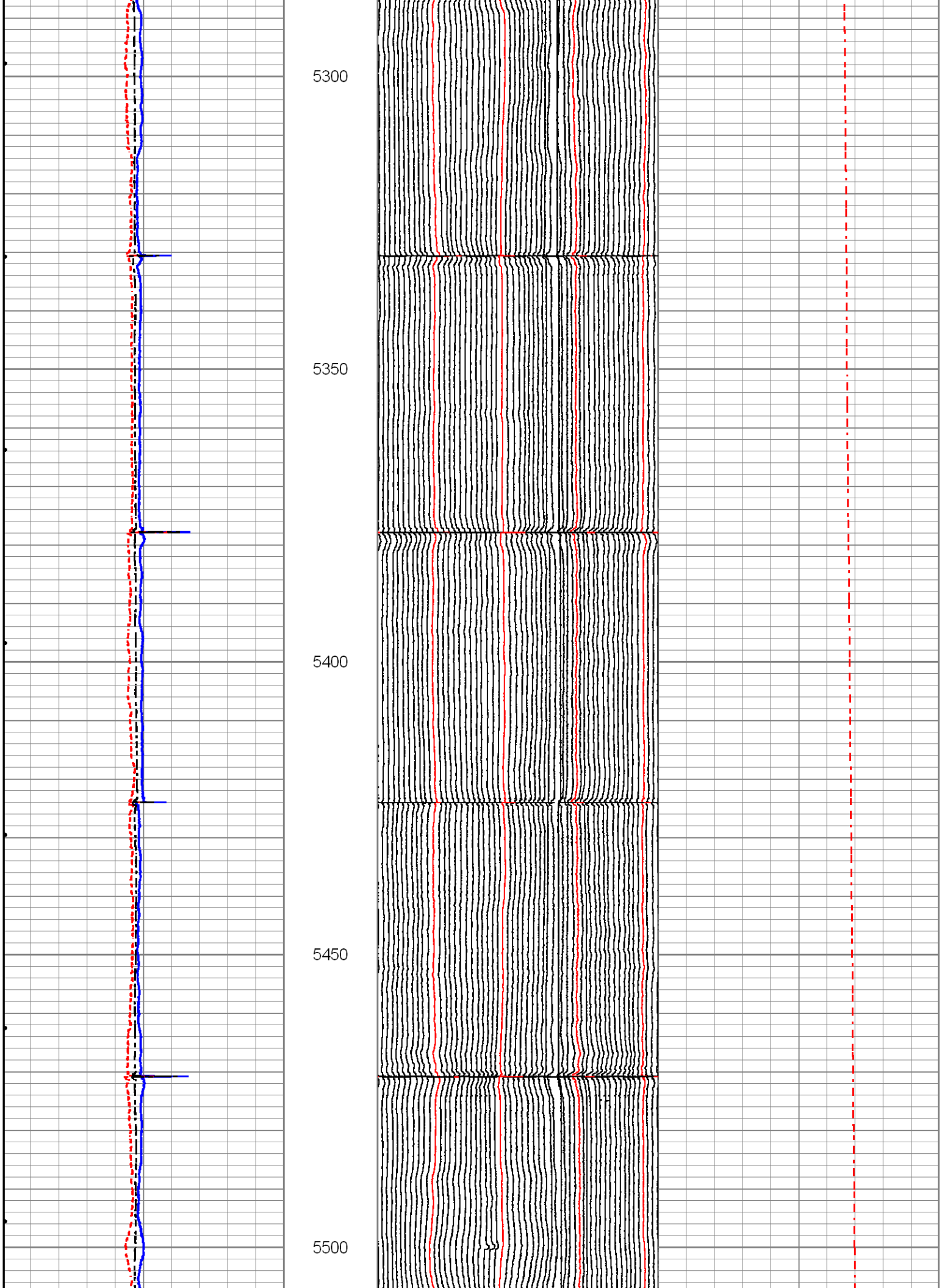
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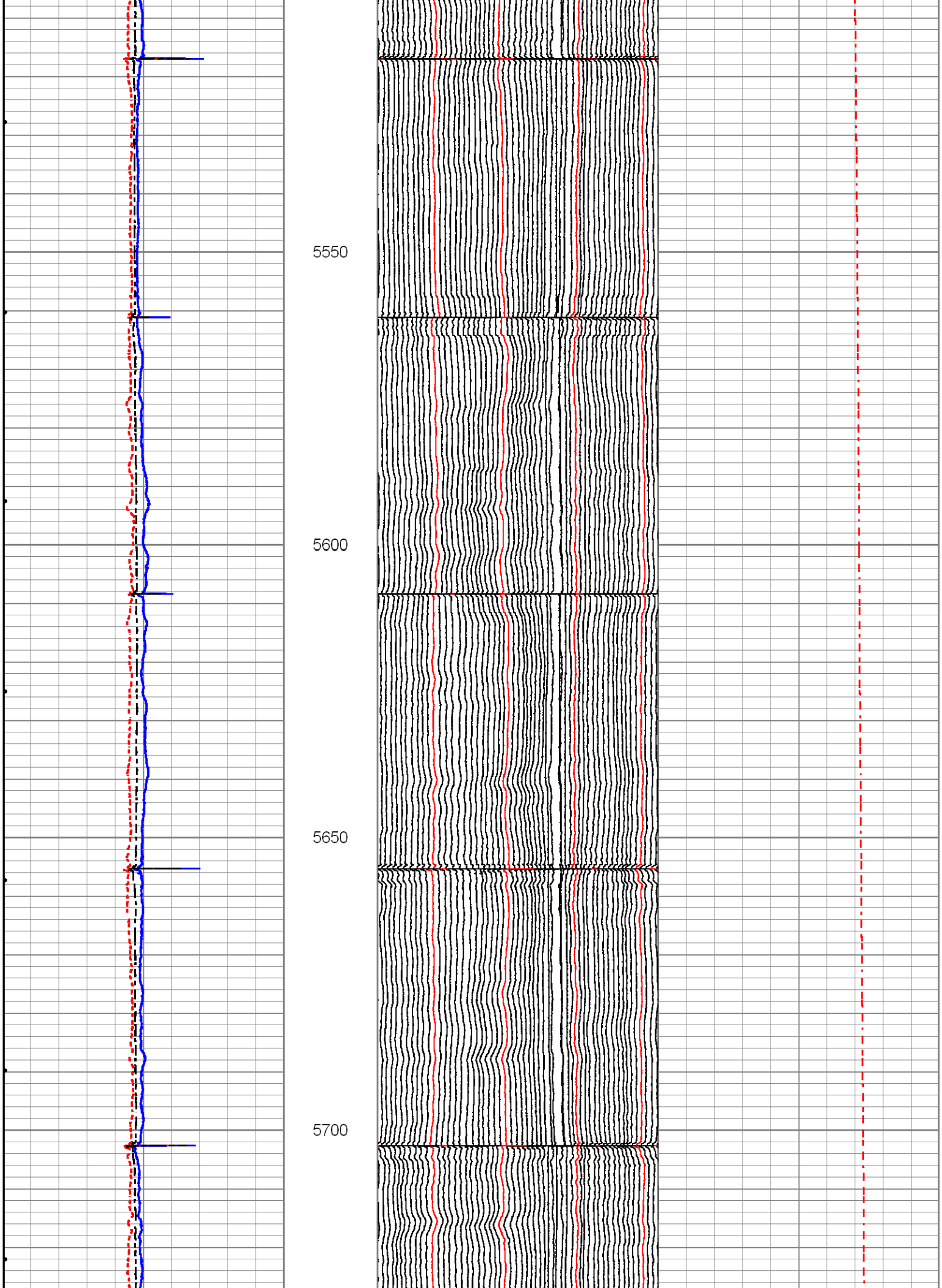
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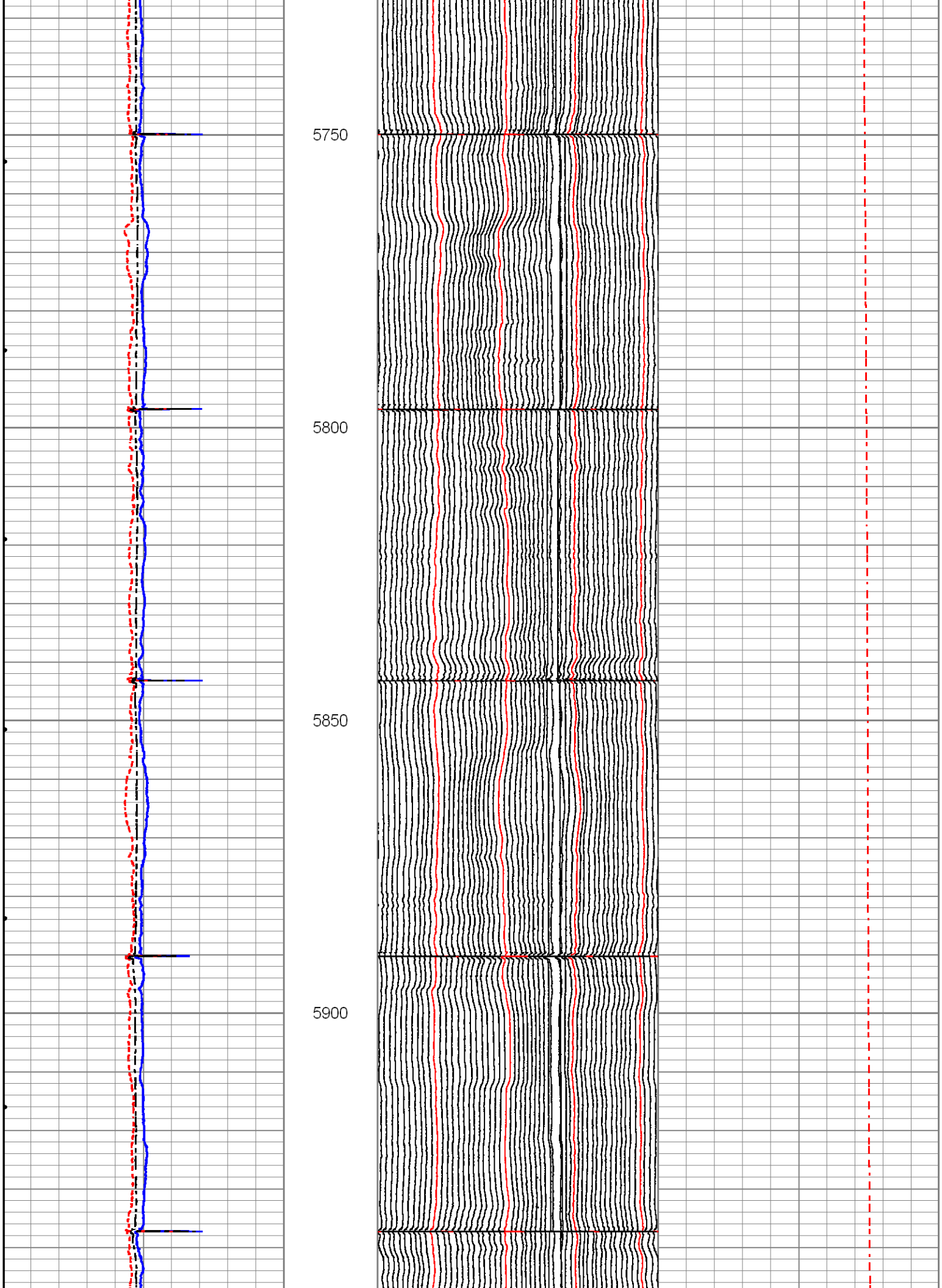
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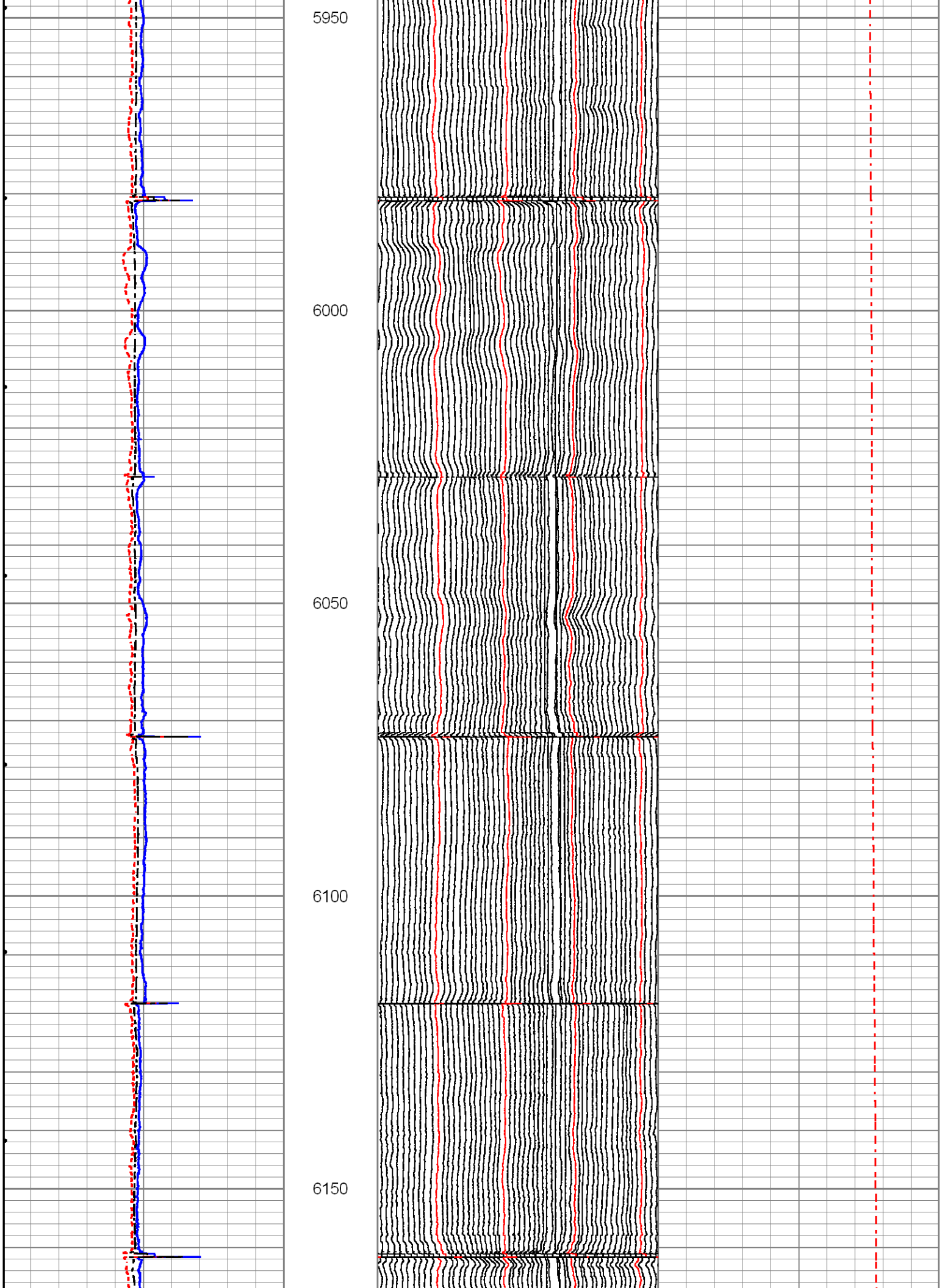
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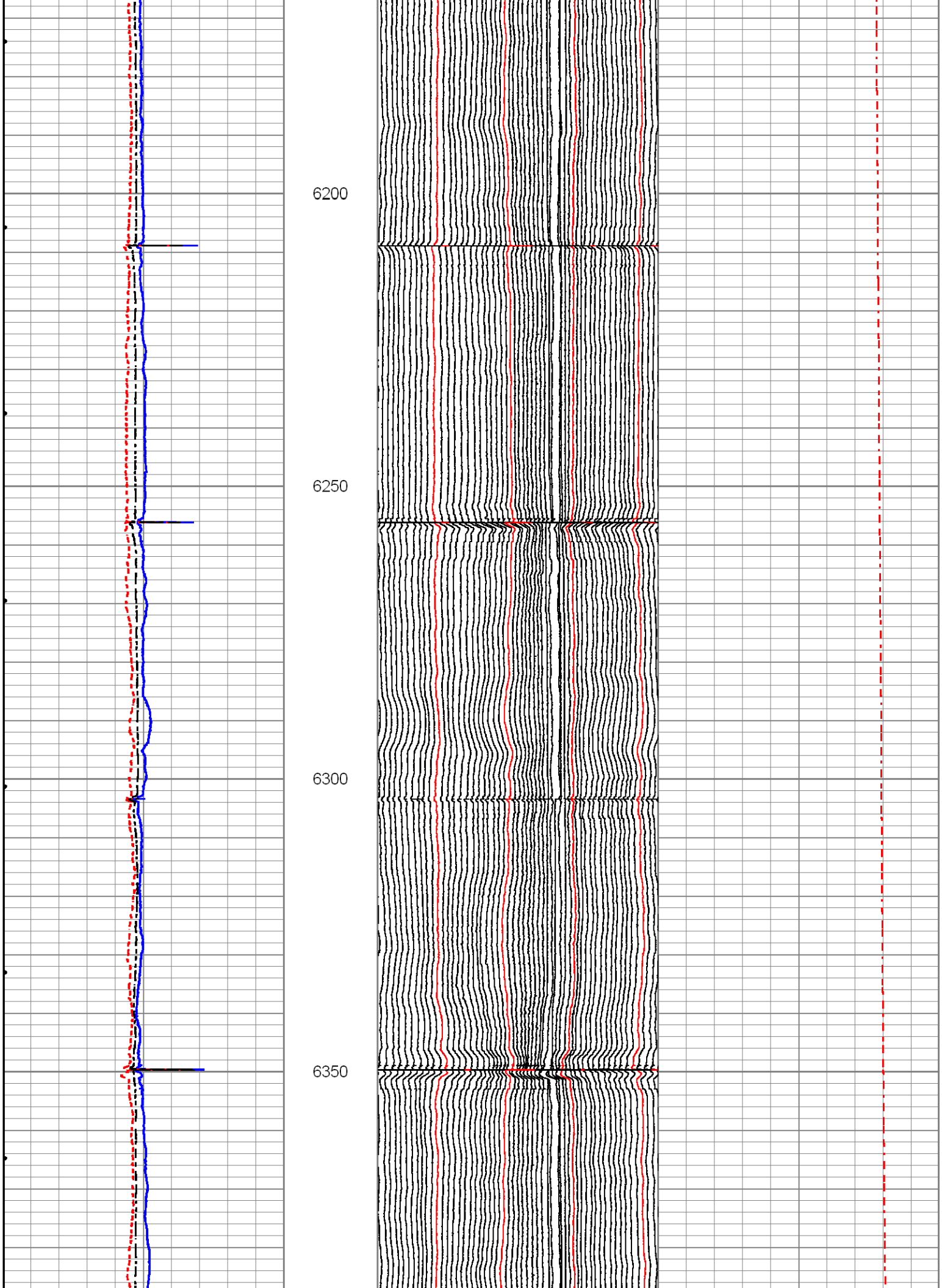
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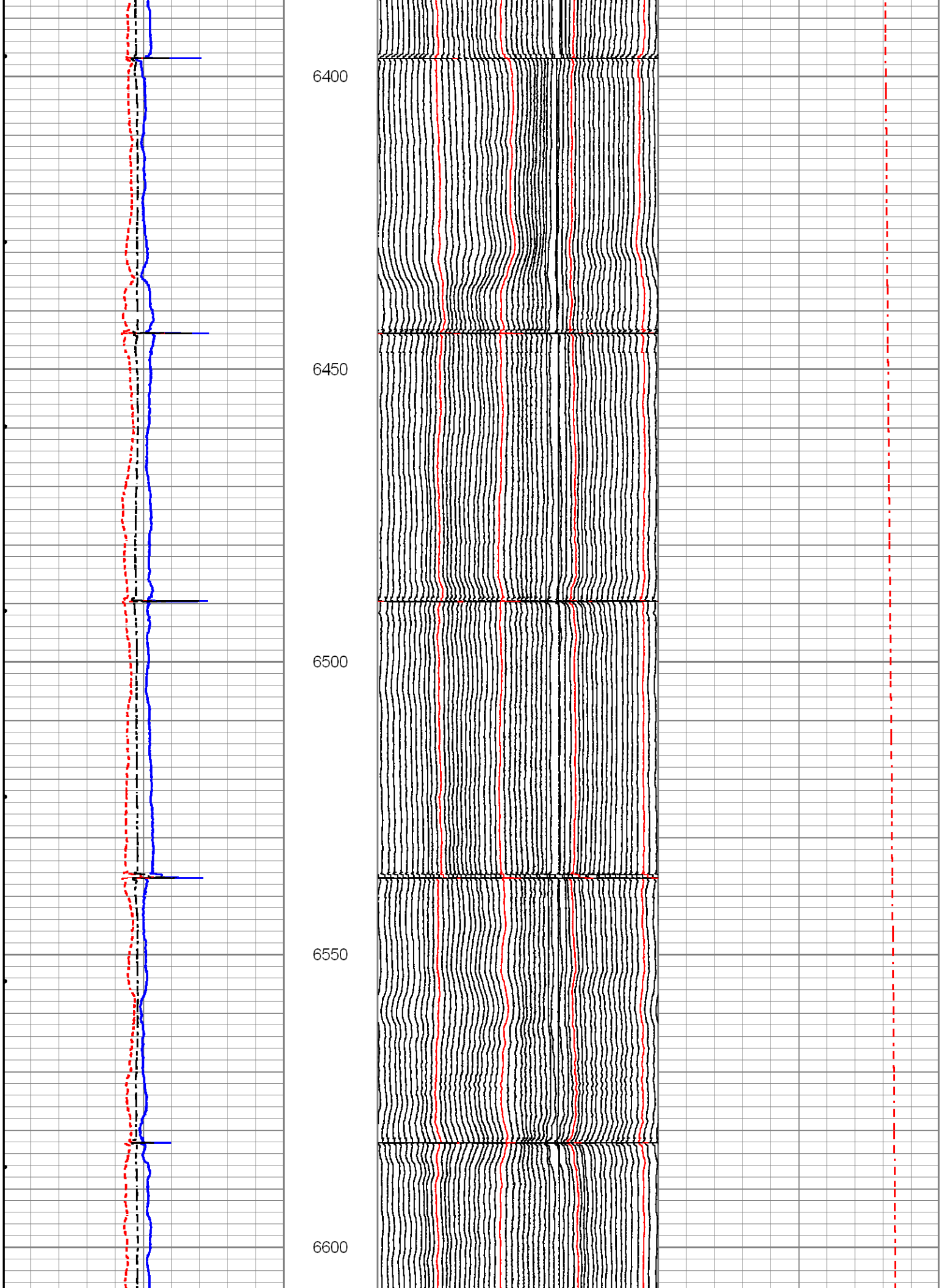
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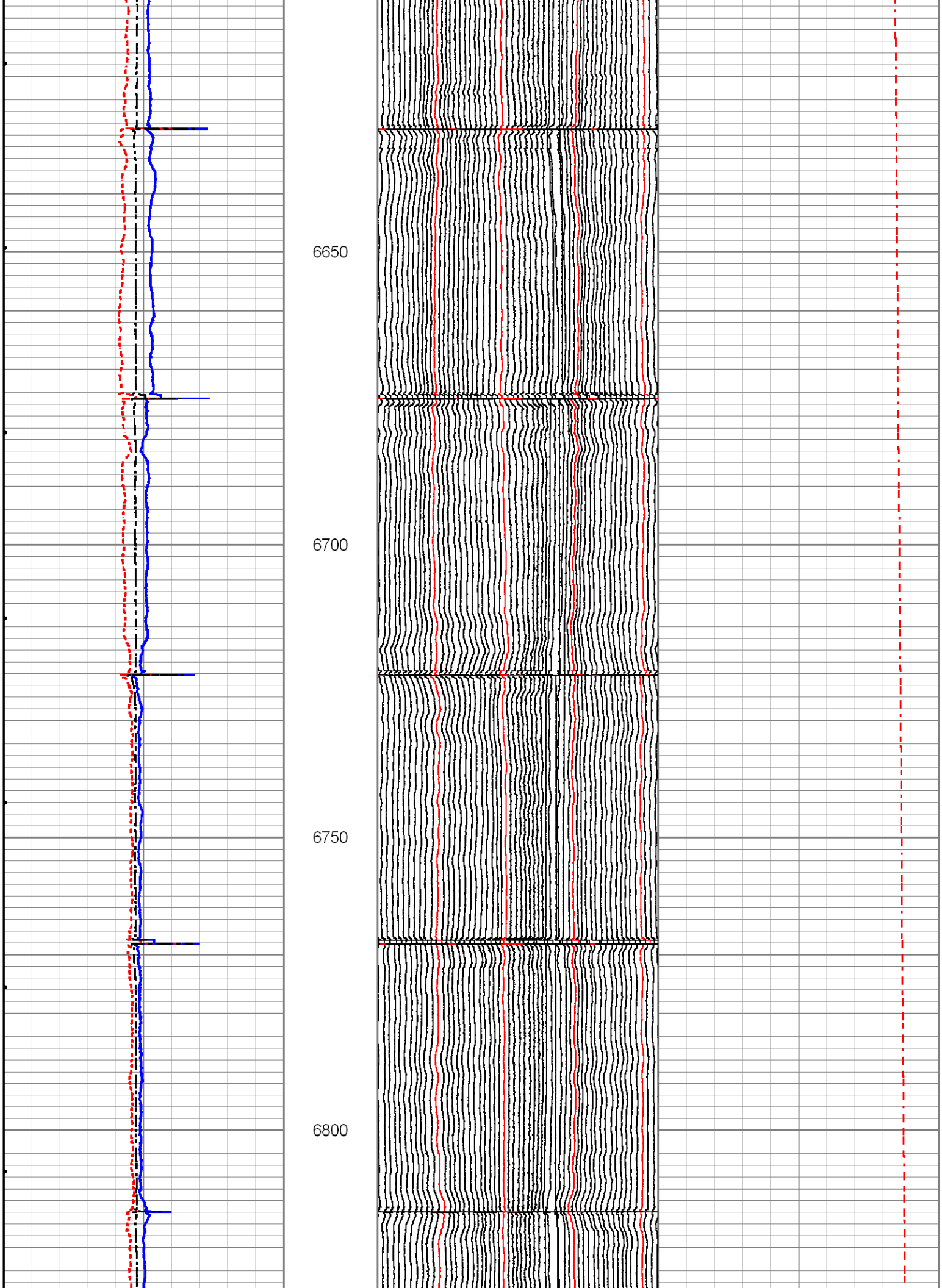
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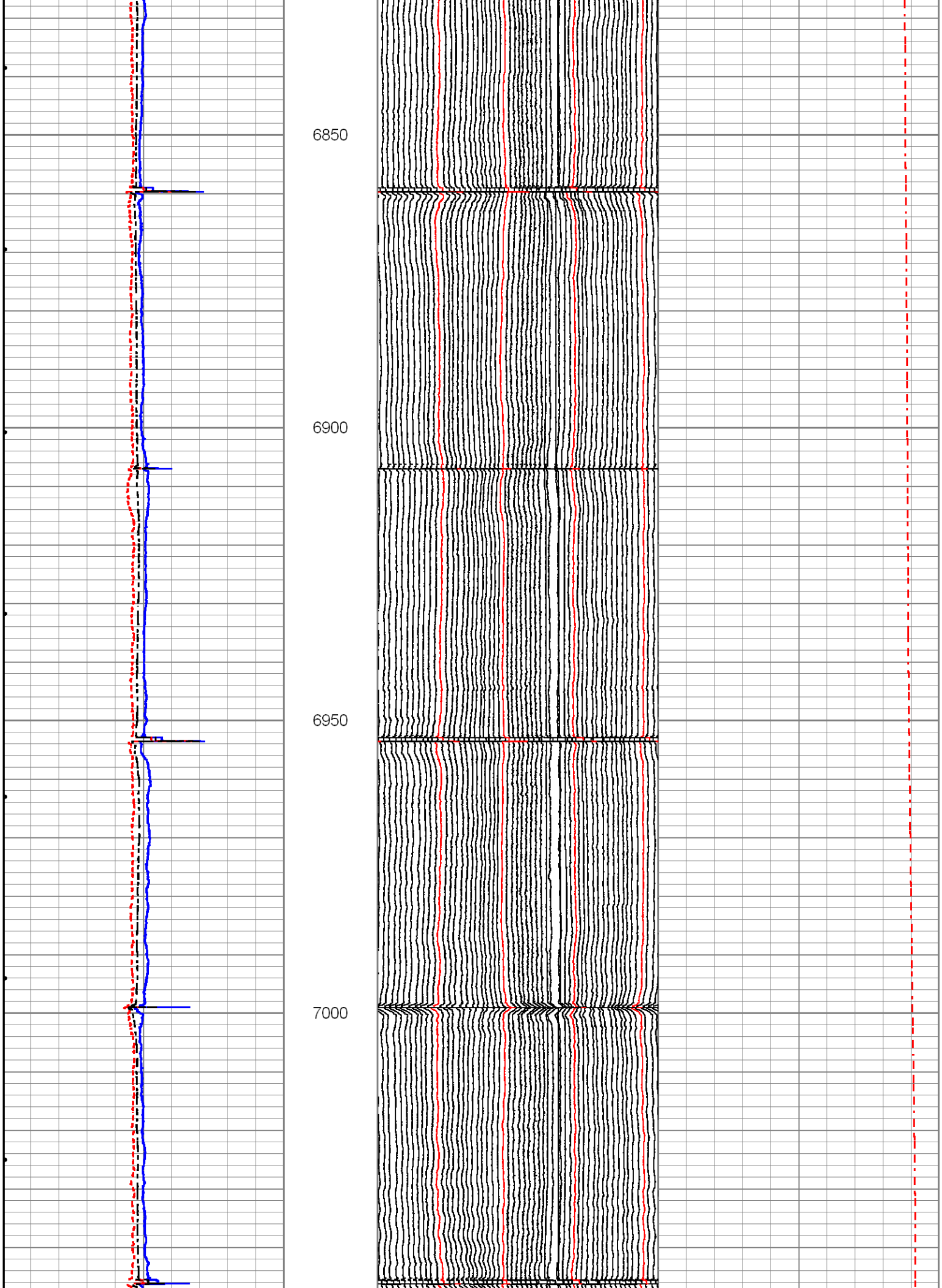
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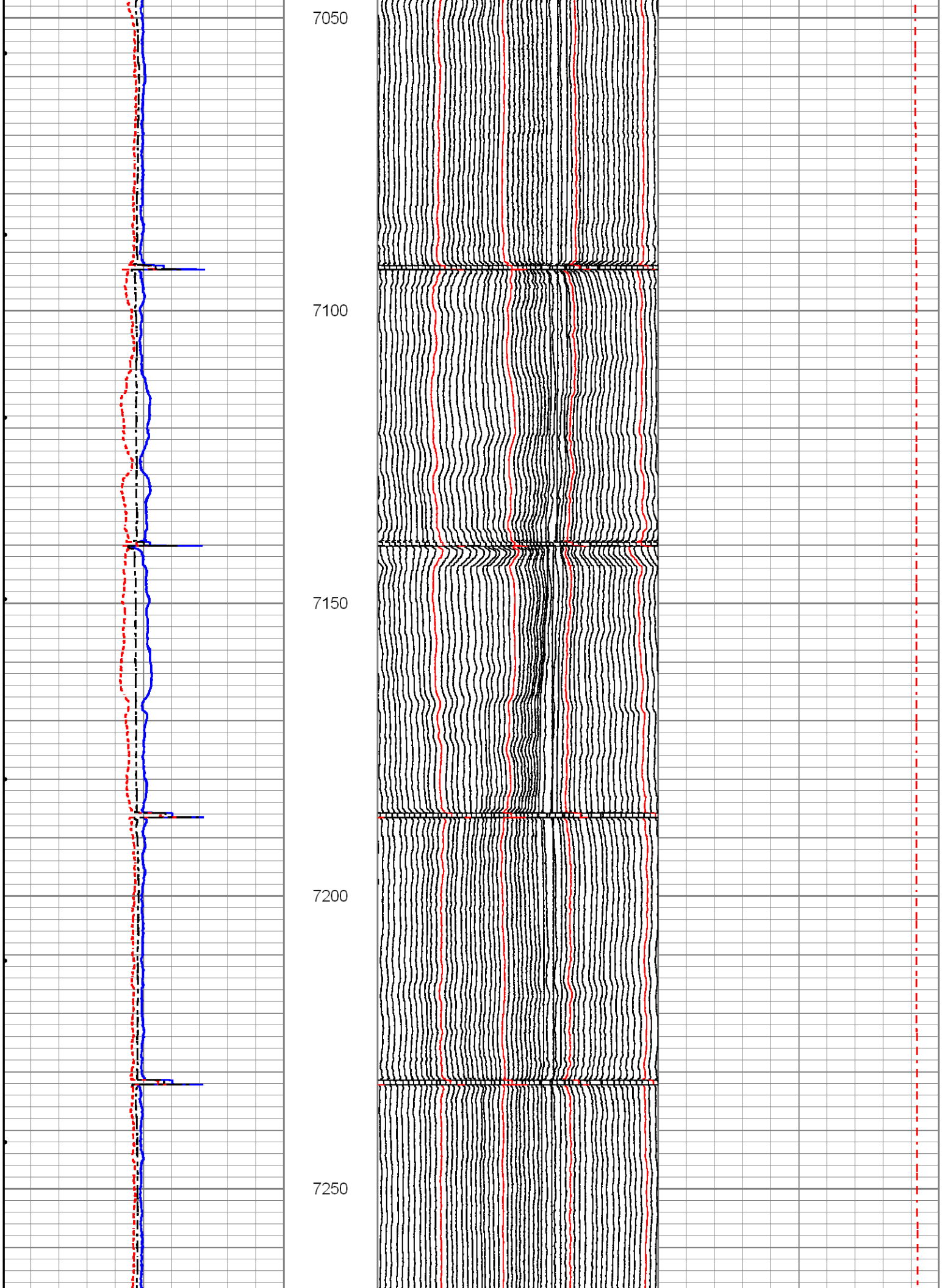
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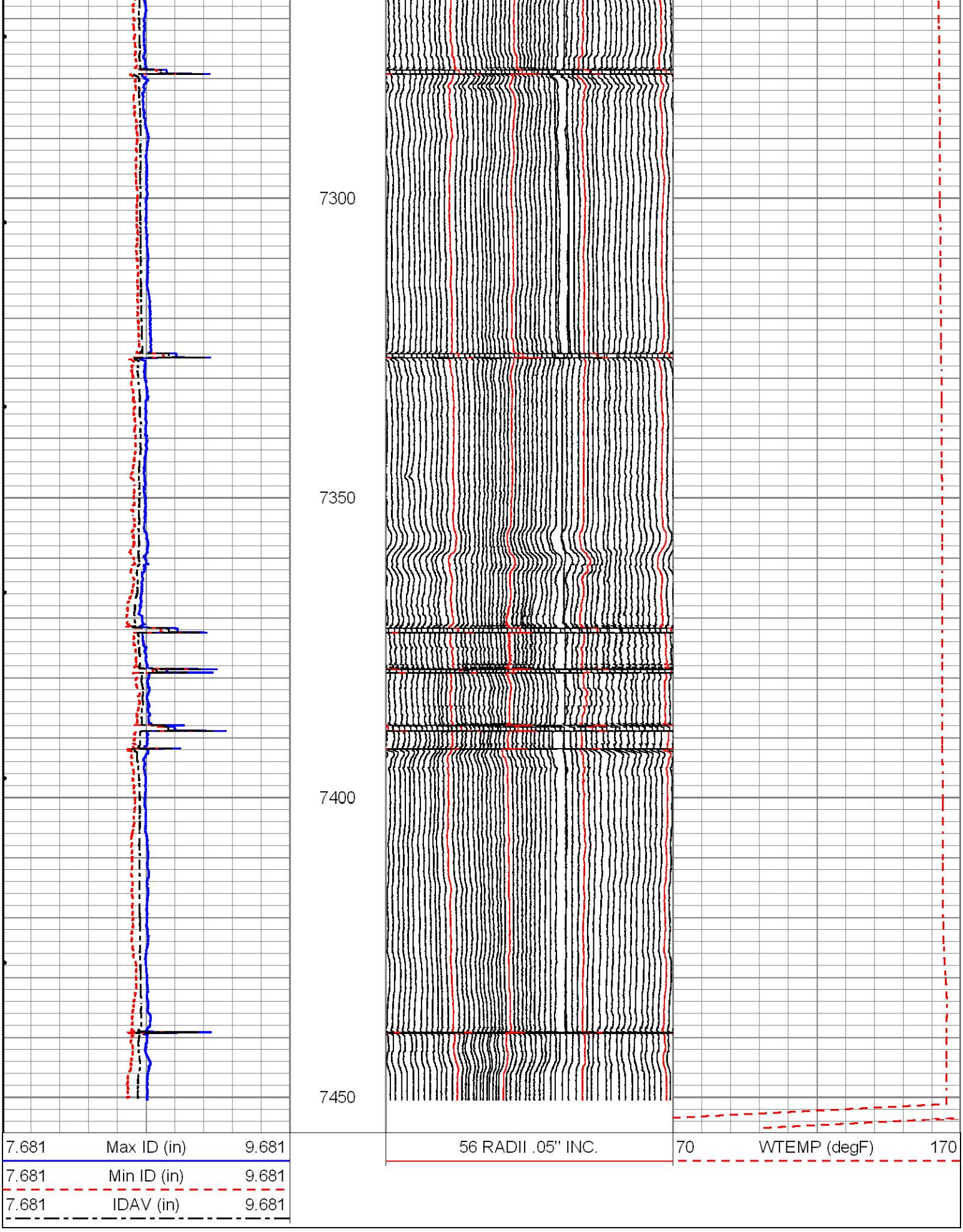
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7.681 Max ID (in) 9.681
7.681 Min ID (in) 9.681
7.681 IDAV (in) 9.681
56 RADII .05" INC.
70 WTEMP (degF) 170

REPEAT PASS

BAKER HUGHES

REPEAT PASS

Database File	porter_69h.db
Dataset Pathname	ALISO_CANYON/69H/run1/pass1
Presentation Format	56_47lb
Dataset Creation	Mon Jun 13 07:55:46 2016
Charted by	Depth in Feet scaled 1:240

7.681	Max ID (in)	9.681
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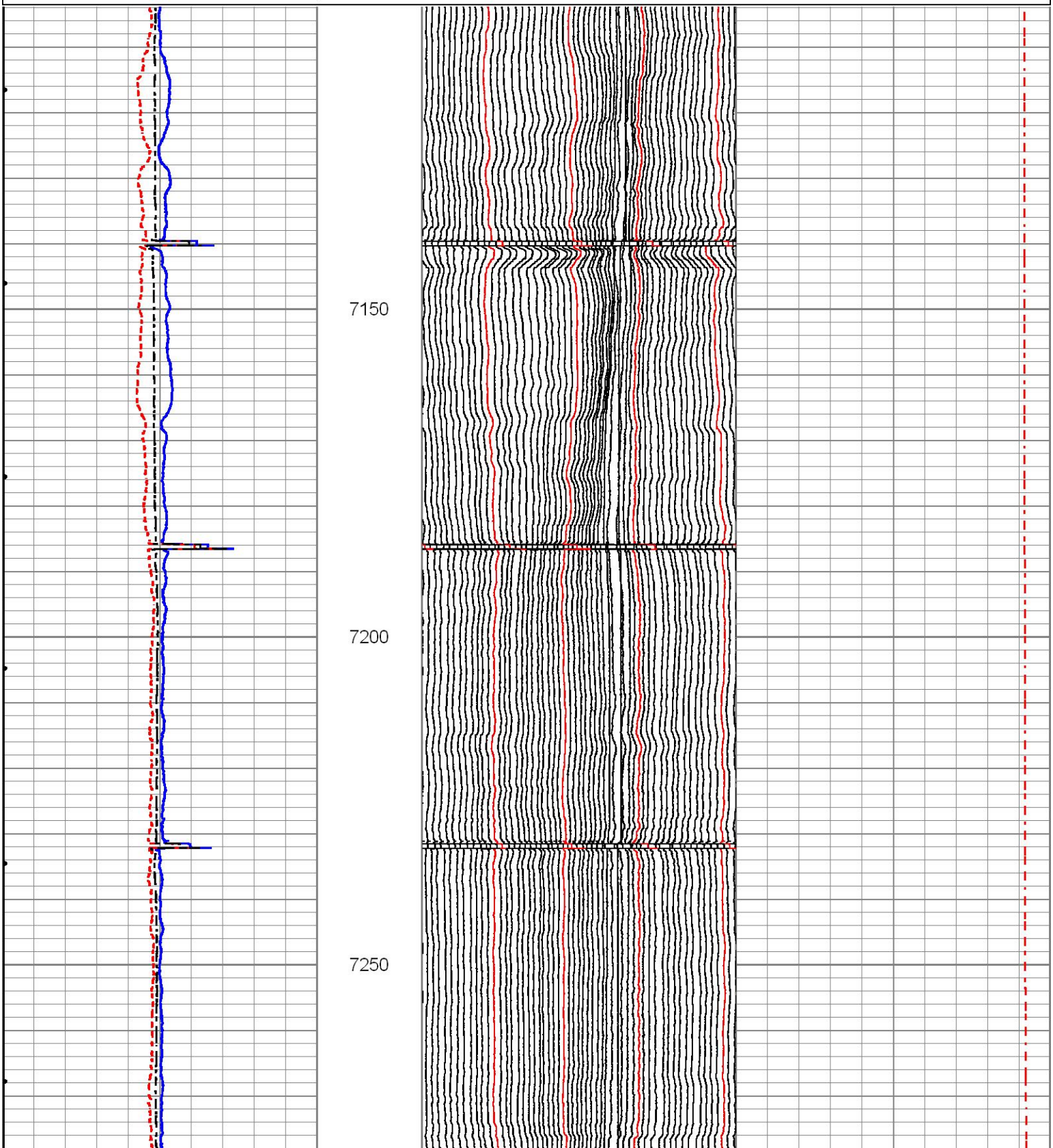
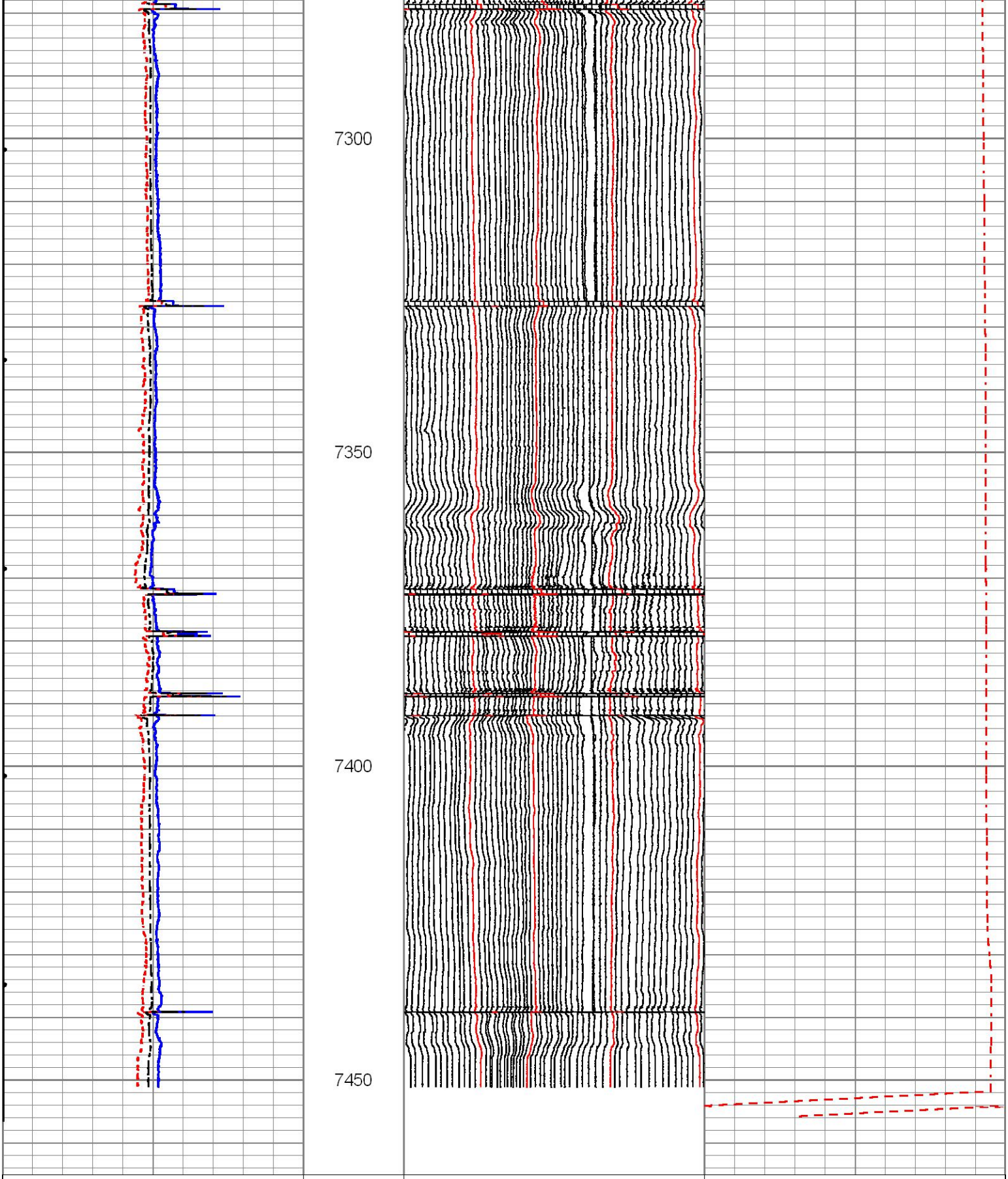
7.681	IDAV (in)	9.681

56 RADII .05" INC.

70 WTEMP (degF) 170





7.681	Max ID (in)	9.681	56 RADII .05" INC.	70	WTEMP (degF)	170
7.681	Min ID (in)	9.681				
7.681	IDAV (in)	9.681				

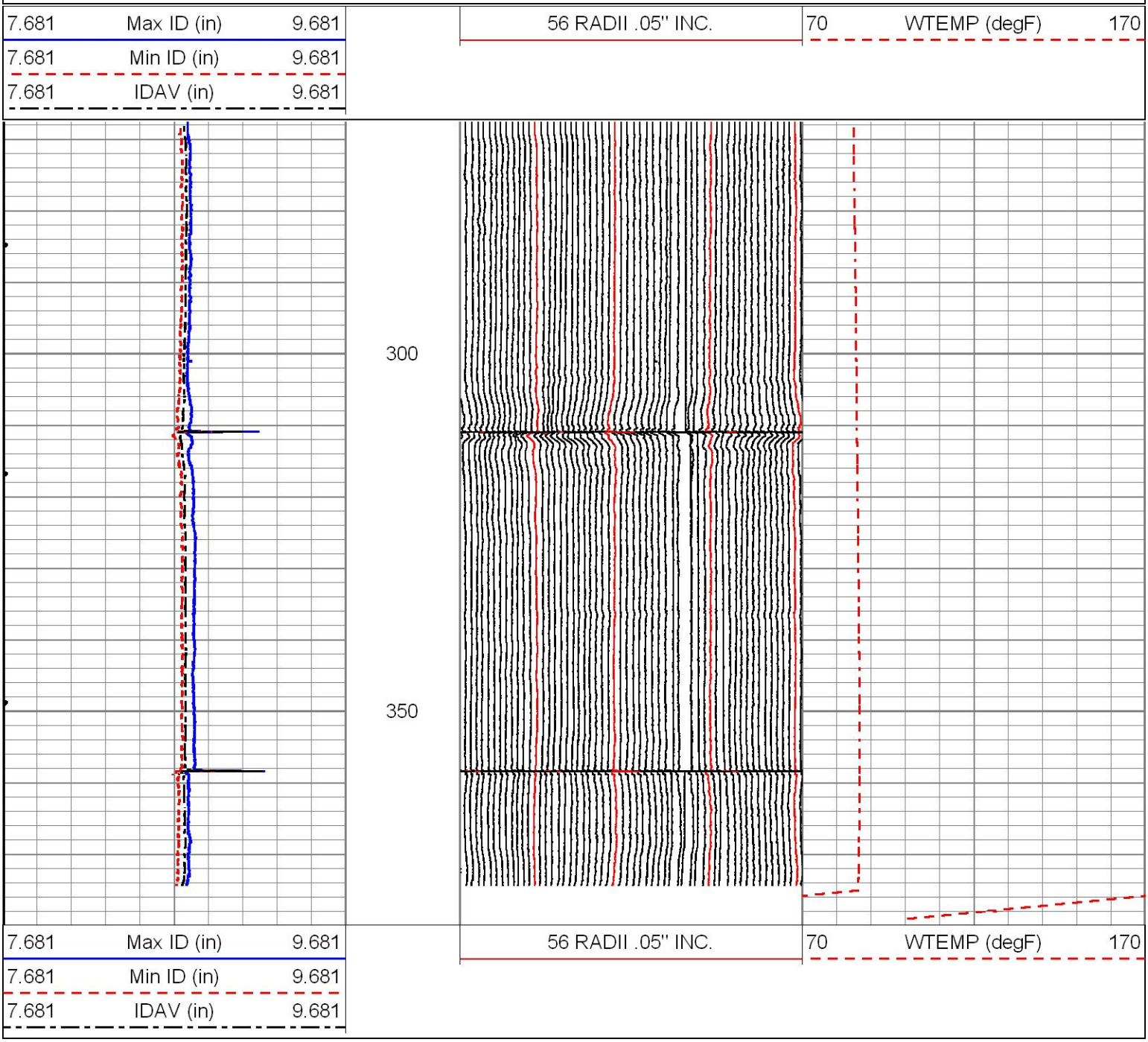
BAKER

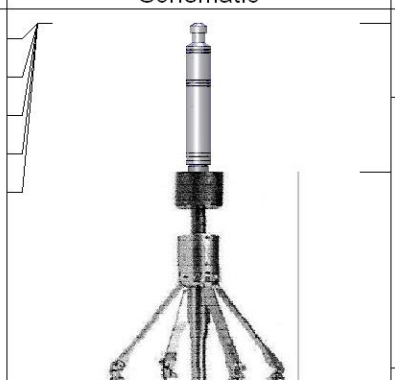
REPEAT

BAKER HUGHES

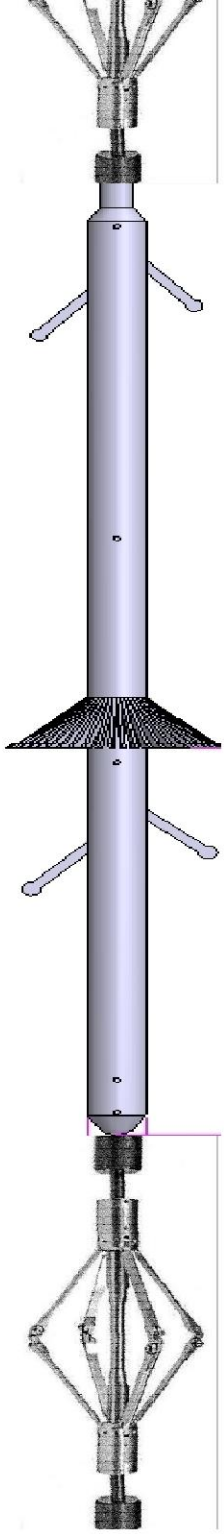
JOINT @ 358' - 311'

Database File	porter_69h_2.db
Dataset Pathname	ALISO_CANYON/69H/run1/pass23
Presentation Format	56_47lb
Dataset Creation	Mon Jun 13 13:00:03 2016
Charted by	Depth in Feet scaled 1:240



Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb
BPRES	13.03		CHD-STNDRD Standard Cable Head	1.03	1.45	10.00
PPRES	13.03					
TOTBBL	13.03					
PRATE	13.03					
LTENUSR	13.03					
			CENT-Hotwell275	2.71	2.75	30.00

		2 3/4" Hotwell Centralizer for 40 and 56 ARM			
		XIPEMAC-56 (11148) Hotwell 56 Arm caliper	6.58	3.50	100.00
Meas	5.38				
Aux1	2.71				
		CENT-Hotwell275 2 3/4" Hotwell Centralizer for 40 and 56 ARM	2.71	2.75	30.00
LOCTIM	0.00				
UTCTIM	0.00				



Dataset:	porter_69h_2.db: ALISO_CANYON/69H/run1/pass25
Total length:	13.03 ft
Total weight:	170.00 lb
O.D.:	3.50 in

Calibration Report

Database File	porter_69h_2.db
Dataset Pathname	ALISO_CANYON/69H/run1/pass25
Dataset Creation	Mon Jun 13 13:00:11 2016

GOWell 56 Arm Calibration Report

Serial Number:	11148
Tool Model:	56
Performed:	Mon Jun 13 06:55:54 2016

Ref ID:	7.00	8.00	9.00	9.25	9.63	Offset	in
Arm1	7.28	8.26	9.23	9.47	9.83	0.00	in
Arm2	7.15	8.12	9.05	9.28	9.64	0.00	in
Arm3	7.27	8.25	9.21	9.45	9.81	0.00	in
Arm4	7.22	8.22	9.20	9.45	9.82	0.00	in
Arm5	7.33	8.31	9.28	9.52	9.88	0.00	in
Arm6	7.31	8.30	9.28	9.52	9.90	0.00	in
Arm7	7.14	8.14	9.11	9.35	9.73	0.00	in
Arm8	7.23	8.23	9.22	9.46	9.82	0.00	in
Arm9	7.24	8.23	9.21	9.45	9.82	0.00	in
Arm10	7.26	8.26	9.25	9.49	9.87	0.00	in
Arm11	7.23	8.21	9.19	9.42	9.79	0.00	in
Arm12	7.26	8.25	9.24	9.47	9.84	0.00	in
Arm13	7.17	8.16	9.14	9.38	9.74	0.00	in
Arm14	7.26	8.25	9.24	9.48	9.84	0.00	in
Arm15	7.18	8.18	9.16	9.40	9.76	0.00	in
Arm16	7.16	8.16	9.14	9.38	9.75	0.00	in
Arm17	7.13	8.11	9.09	9.33	9.68	0.00	in
Arm18	7.23	8.22	9.21	9.45	9.82	0.00	in
Arm19	7.19	8.17	9.14	9.38	9.74	0.00	in
Arm20	7.23	8.22	9.21	9.46	9.81	0.00	in
Arm21	7.20	8.20	9.17	9.42	9.77	0.00	in
Arm22	7.13	8.13	9.12	9.36	9.73	0.00	in
Arm23	7.27	8.26	9.23	9.47	9.82	0.00	in
Arm24	7.16	8.16	9.16	9.41	9.78	0.00	in
Arm25	7.17	8.15	9.14	9.38	9.73	0.00	in
Arm26	7.10	8.10	9.10	9.35	9.71	0.00	in
Arm27	7.18	8.18	9.15	9.39	9.73	0.00	in
Arm28	7.13	8.14	9.14	9.38	9.74	0.00	in
Arm29	7.16	8.15	9.13	9.37	9.72	0.00	in
Arm30	7.19	8.18	9.17	9.42	9.77	0.00	in

* Bad

GOWell 56 Arm Calibration Report

Serial Number:
Tool Model:
Performed:

Ref ID:	7.00	8.00	9.00	9.25	9.63	Offset	in
Arm31	7.22	8.20	9.18	9.42	9.77	0.00	in
Arm32	7.24	8.23	9.21	9.46	9.81	0.00	in
Arm33	7.21	8.20	9.17	9.42	9.77	0.00	in
Arm34	7.22	8.21	9.20	9.44	9.79	0.00	in
Arm35	7.20	8.19	9.16	9.40	9.75	0.00	in
Arm36	7.34	8.33	9.31	9.55	9.90	0.00	in
Arm37	7.27	8.26	9.23	9.47	9.82	0.00	in
Arm38	7.22	8.23	9.22	9.47	9.82	0.00	in
Arm39	7.18	8.18	9.15	9.40	9.75	0.00	in
Arm40	7.11	8.15	9.13	9.40	9.73	0.00	in
Arm41	7.19	8.18	9.14	9.39	9.73	0.00	in
Arm42	7.25	8.25	9.23	9.48	9.83	0.00	in
Arm43	7.26	8.24	9.22	9.46	9.81	0.00	in
Arm44	7.23	8.23	9.20	9.46	9.79	0.00	in
Arm45	7.21	8.19	9.17	9.41	9.76	0.00	in
Arm46	7.18	8.22	9.19	9.43	9.74	0.00	in
Arm47	7.11	8.08	9.05	9.29	9.66	0.00	in
Arm48	7.19	8.21	9.19	9.41	9.77	0.00	in
Arm49	7.16	8.16	9.14	9.39	9.76	0.00	in
Arm50	7.26	8.26	9.25	9.50	9.83	0.00	in
Arm51	7.25	8.21	9.19	9.44	9.80	0.00	in
Arm52	7.27	8.25	9.24	9.49	9.86	0.00	in
Arm53	7.27	8.25	9.21	9.45	9.81	0.00	in
Arm54	7.29	8.28	9.27	9.51	9.88	0.00	in
Arm55	7.24	8.22	9.21	9.45	9.82	0.00	in
Arm56	7.22	8.23	9.22	9.46	9.84	0.00	in

Arm57				in
Arm58				in
Arm59				in
Arm60				in

* Bad

GOWell 56 Arm Verification Report

	Pre Verification	Post Verification	Casing Check	
Performed:	Mon Jun 13 06:58:17 2016	Mon Jun 13 12:47:57 2016	Mon Jun 13 07:50:58 2016	
Ref ID:	9.00	9.00	8.68	in
Min.	8.95	8.96	8.63	in
Max.	8.99	8.99	8.73	in
Avg.	8.98	8.98	8.68	in
Dia1	8.98	8.98	8.72	in
Dia2	8.98	8.98	8.71	in
Dia3	8.99	8.98	8.70	in
Dia4	8.98	8.99	8.70	in
Dia5	8.98	8.98	8.67	in
Dia6	8.99	8.99	8.68	in
Dia7	8.98	8.98	8.66	in
Dia8	8.98	8.98	8.67	in
Dia9	8.98	8.97	8.65	in
Dia10	8.98	8.98	8.66	in
Dia11	8.99	8.98	8.63	in
Dia12	8.97	8.96	8.63	in
Dia13	8.97	8.97	8.64	in
Dia14	8.99	8.98	8.65	in
Dia15	8.98	8.98	8.64	in
Dia16	8.97	8.96	8.65	in
Dia17	8.98	8.96	8.65	in
Dia18	8.95	8.96	8.66	in
Dia19	8.98	8.98	8.68	in
Dia20	8.96	8.96	8.68	in
Dia21	8.98	8.98	8.69	in
Dia22	8.99	8.99	8.72	in
Dia23	8.98	8.98	8.69	in
Dia24	8.99	8.99	8.71	in
Dia25	8.98	8.98	8.70	in
Dia26	8.98	8.99	8.72	in
Dia27	8.98	8.96	8.71	in
Dia28	8.98	8.98	8.73	in

Company	SOUTHERN CALIFORNIA GAS COMPANY
Well	PORTER 69H
Field	ALISO CANYON
County	LOS ANGELES
State	CALIFORNIA

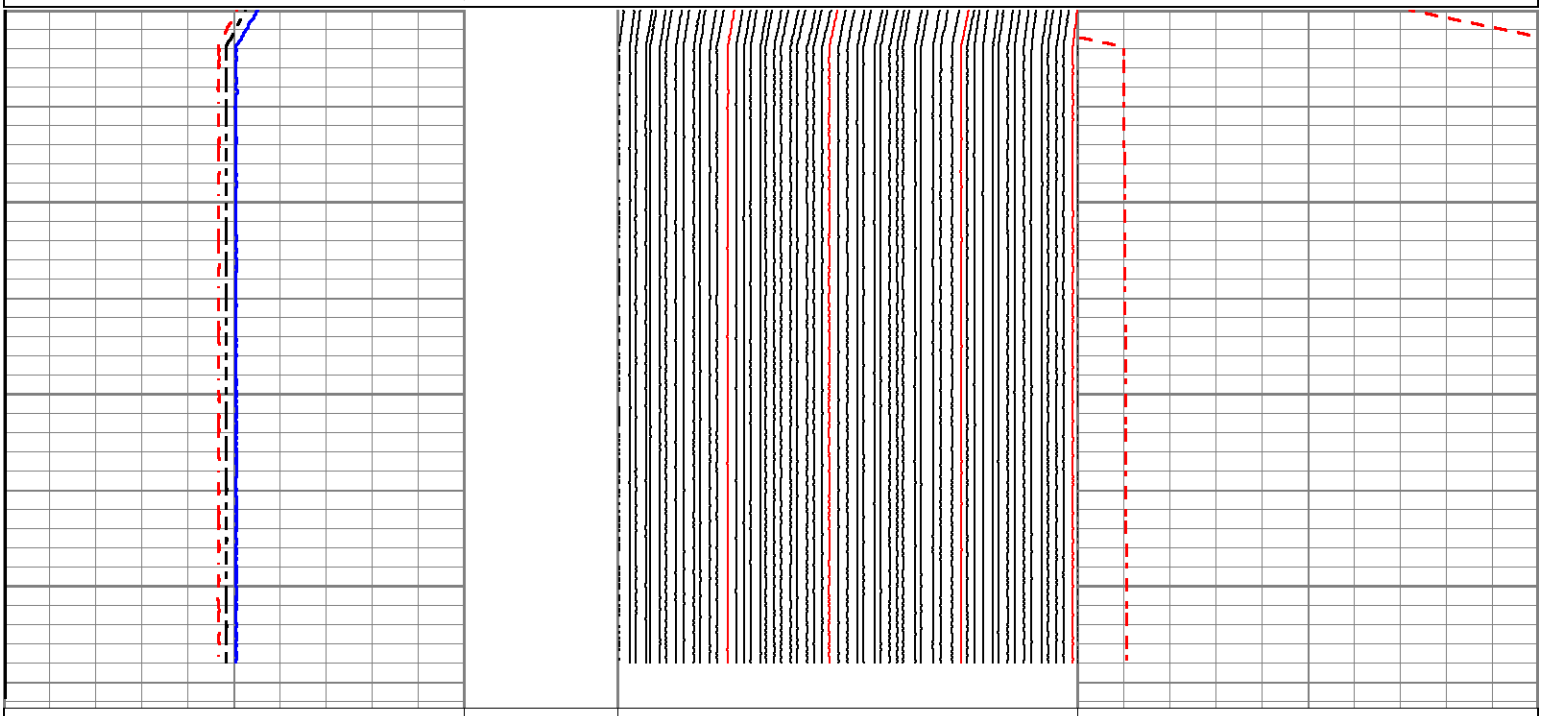
TIME PASS CASING CHECK

9 5/8 40#

Database File	porter_69h_2.db
Dataset Pathname	ALISO_CANYON/69H/run1/pass24

Presentation Format	56_40lb
Dataset Creation	Mon Jun 13 13:00:10 2016
Charted by	Time scaled 360/hour

7.835	Max ID (in)	9.835	56 RADII .05" INC.	70	WTEMP (degF)	170
7.835	Min ID (in)	9.835				
7.835	IDAV (in)	9.835				



7.835	Max ID (in)	9.835	56 RADII .05" INC.	70	WTEMP (degF)	170
7.835	Min ID (in)	9.835				
7.835	IDAV (in)	9.835				