56-ARM CALIPER LOG

Company SOUTHERN CALIFORNIA GAS COMPANY
Well PORTER 50C
Field ALISO CANYON
County LOS ANGELES
State CALIFORNIA

Company SOUTHERN CALIFORNIA GAS COMPANY

Well PORTER 50C

Field ALISO CANYON

County LOS ANGELES State CALIFORNIA

Location: API # : 037-24337

LAT: 34.31505
LONG: -118.54728

SEC 27 TWP 3N RGE 16W

Other Services

Elevation

Permanent Datum GROUND LEVEL Elevation 1953
Log Measured From KELLY BUSHING - 22.05' AGL
Drilling Measured From KELLY BUSHING

K.B. 1976.5
D.F.
G.L. 1953

Date	17 MAR 2016		
Run Number	1		
Service Order	US106491J		
Depth Driller	8751		
Depth Logger	7106		
Bottom Logged Interval	7100		
Top Log Interval	SURFACE		
Type Fluid	KCL		
Density / Viscosity	8.3 LB/GAL		
Max. Recorded Temp.	157		
Estimated Cement Top			
Time Well Ready	07:00		
Time Logger on Bottom	12:30		
Equipment Number	4353		
Location	OKC, OK		
Recorded By	SID GORNTO		
Witnessed By	MR JEFF MOSIER		

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

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	13 3/8	54.5	SURFACE	1012
Prot. String	9 5/8	47	SURFACE	7307
Production String				
Liner	5.5	17	7131	8749

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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 USIT LOG DATED 5 JUL 14
DEBRIS ENCOUNTERED JUST OFF BOTTOM
ANOMOLIES NOTED:
6430' - A 0.1 INCH RETRICTION AT THE TOP OF A JOINT OF CASING
6528-6540' - SLIGHT EGGING OF THE CASING ID, 8.538" RESTRICTION
MAIN PASS MERGED @ 2450 FT

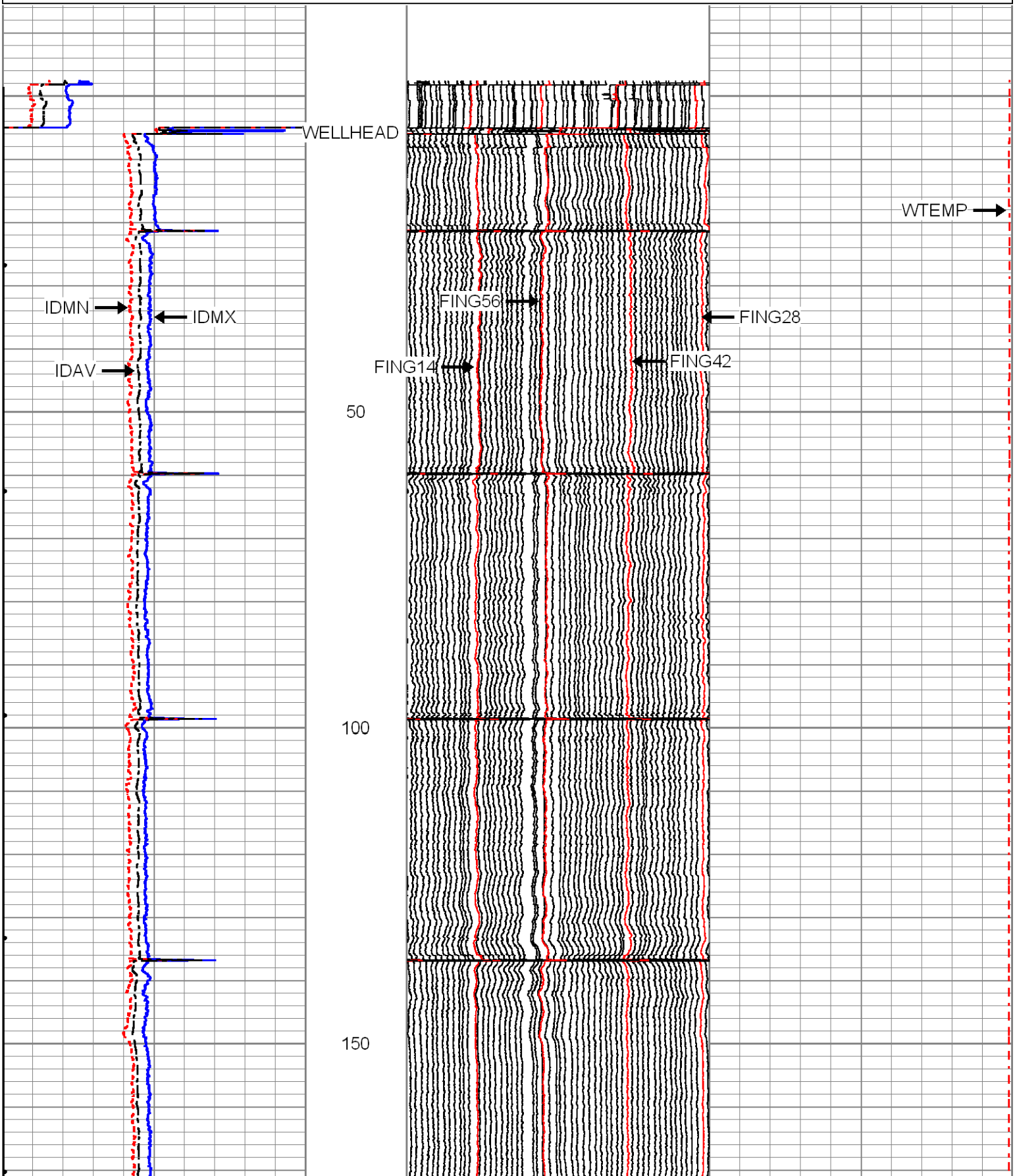
MAIN PASS

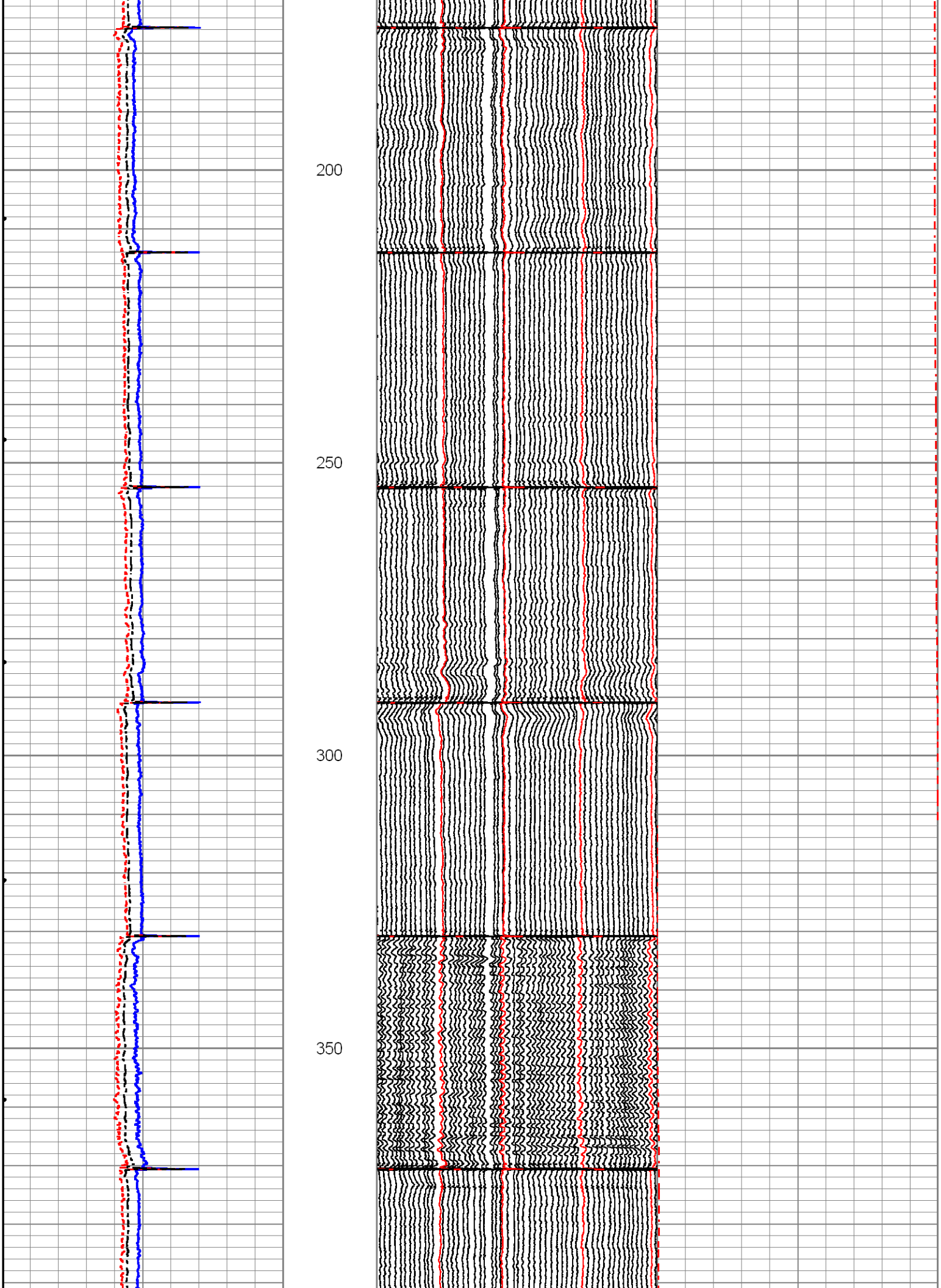
Database File	porter_50c_ical2.db
Dataset Pathname	merge1
Presentation Format	56_etx
Dataset Creation	Tue Mar 17 16:12:26 2015
Charted by	Depth in Feet scaled 1:240

7.861	Max ID (in)	9.861
7.861	Min ID (in)	9.861
7.861	IDAV (in)	9.861

56 RADII .05" INC.

80 WTEMP (degF) 350

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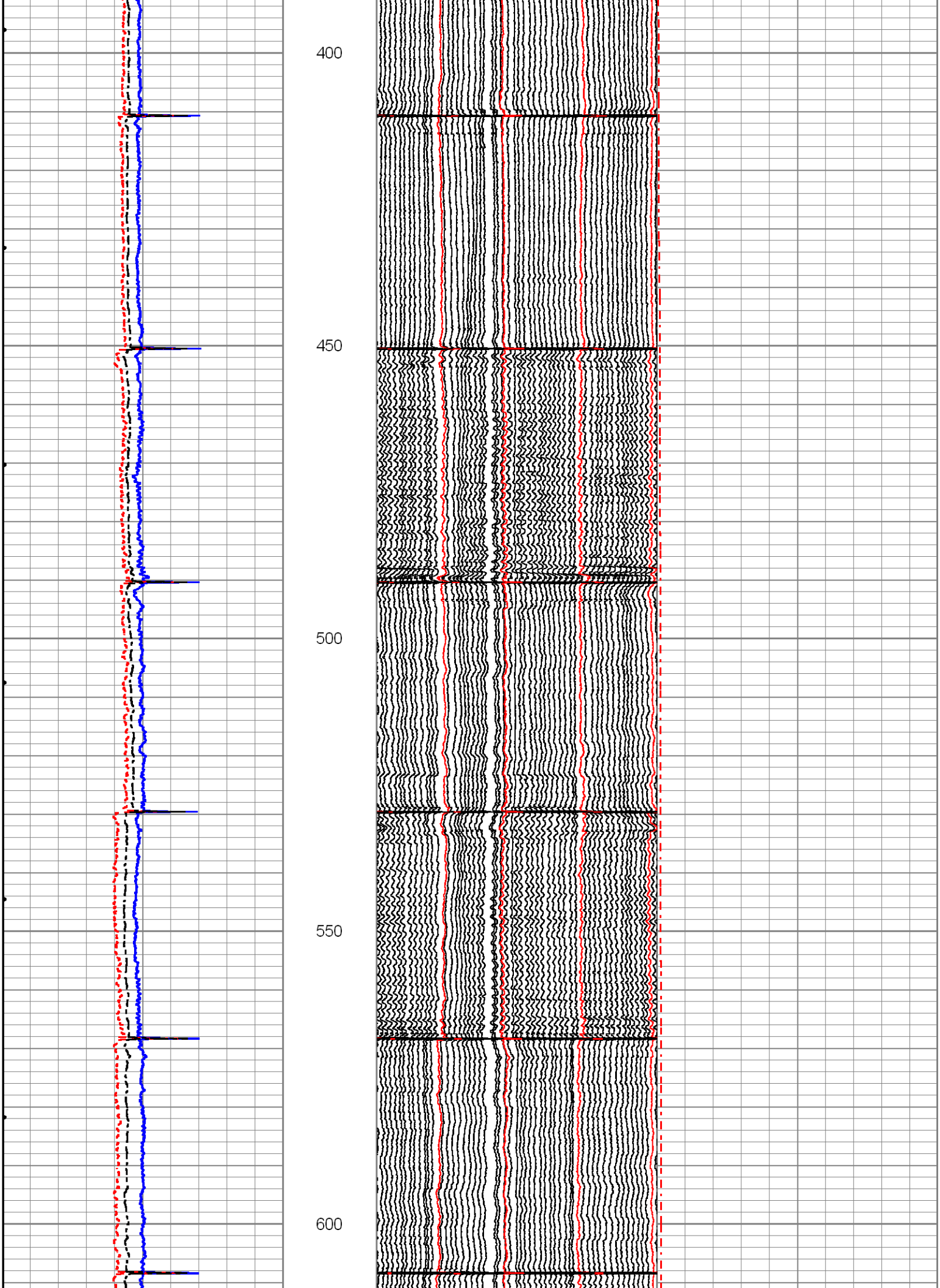
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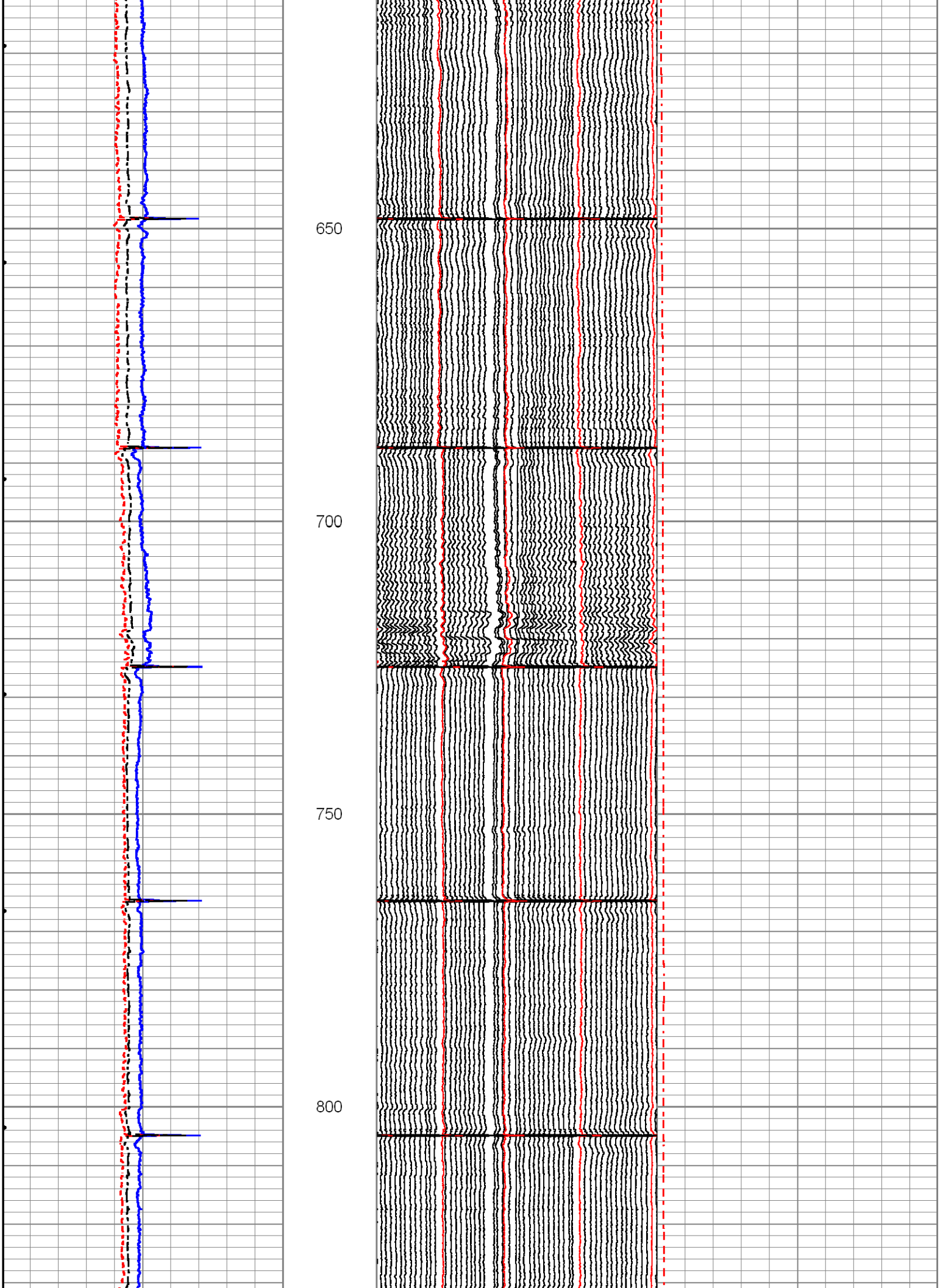
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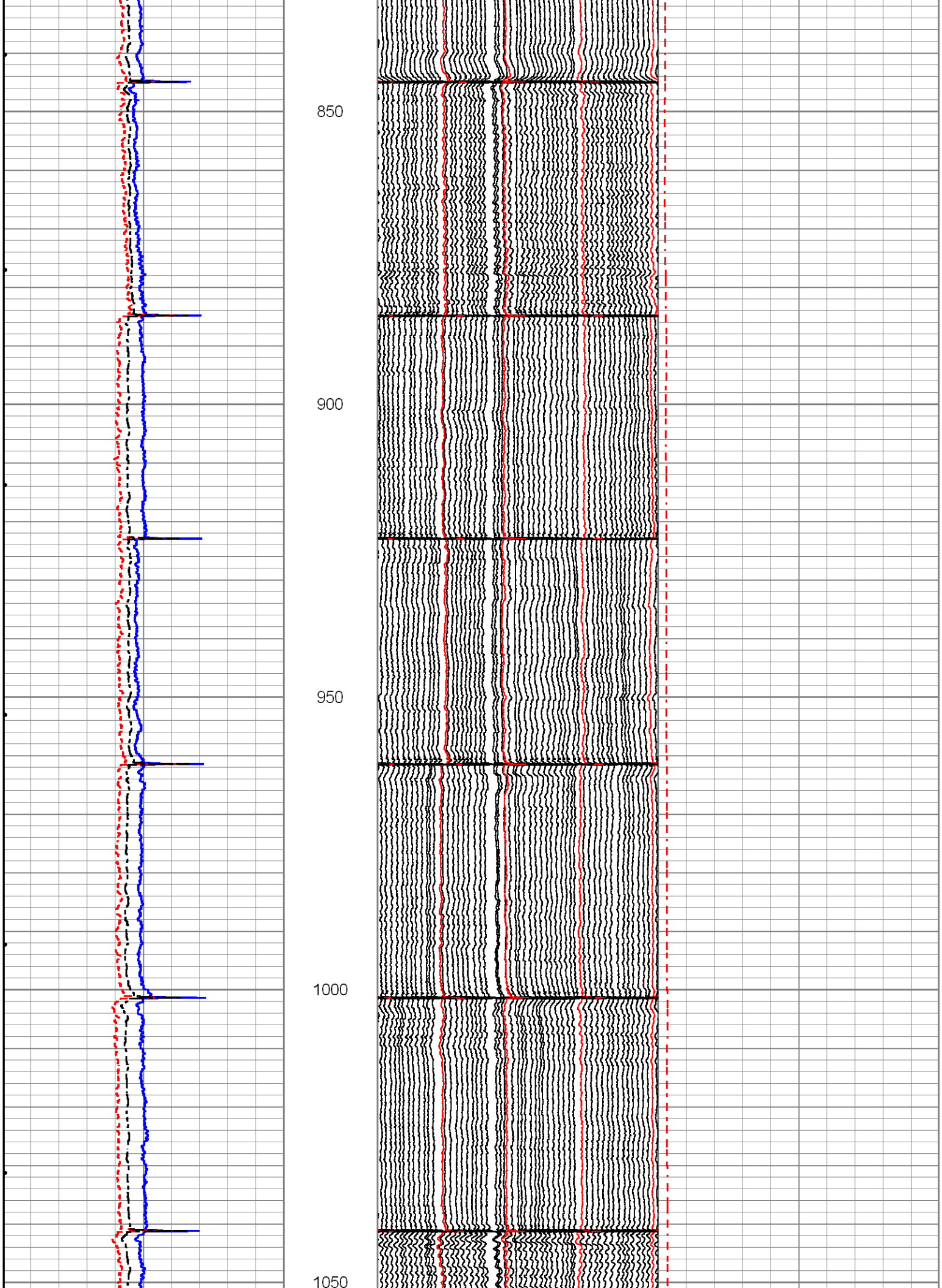
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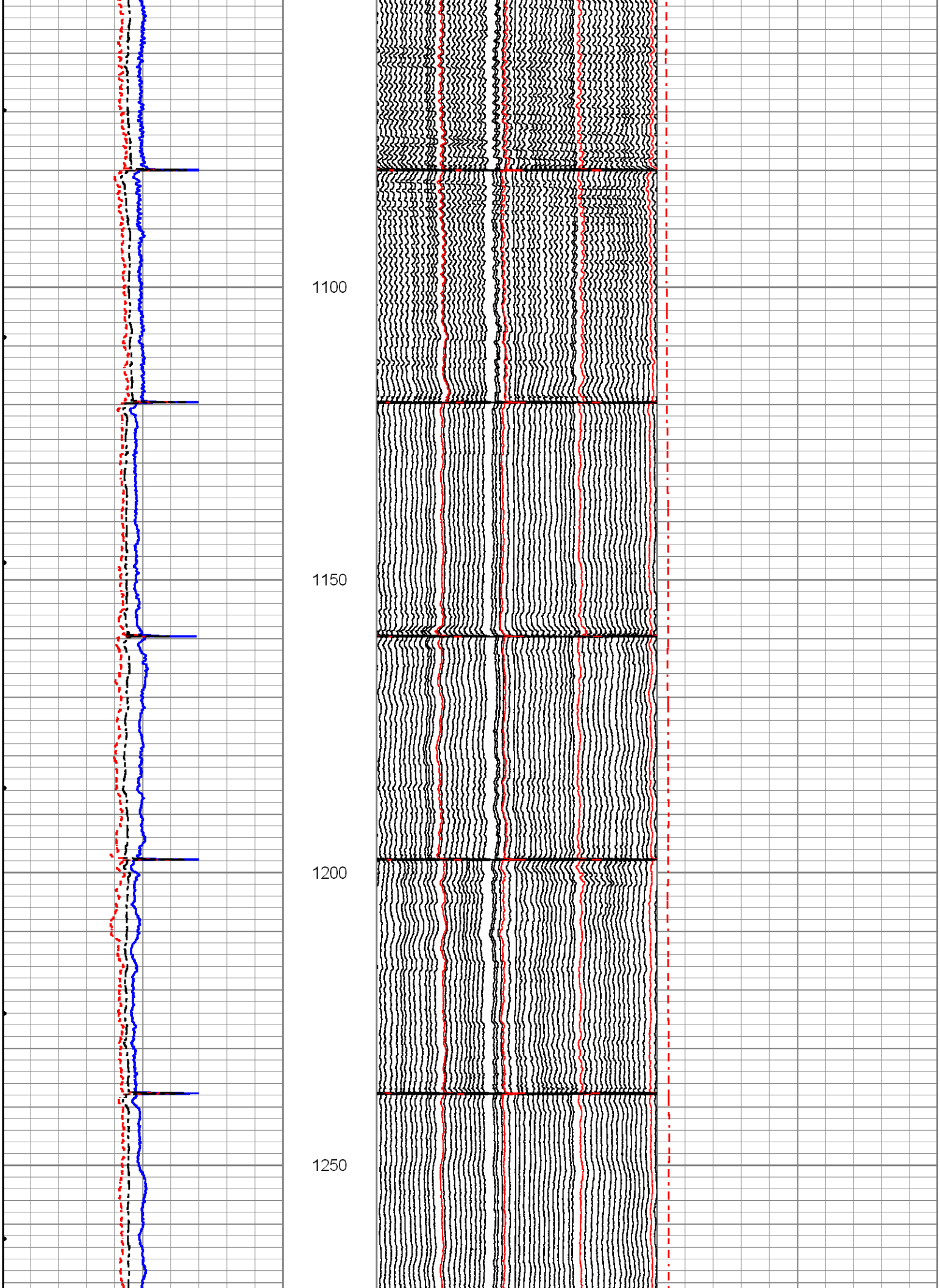
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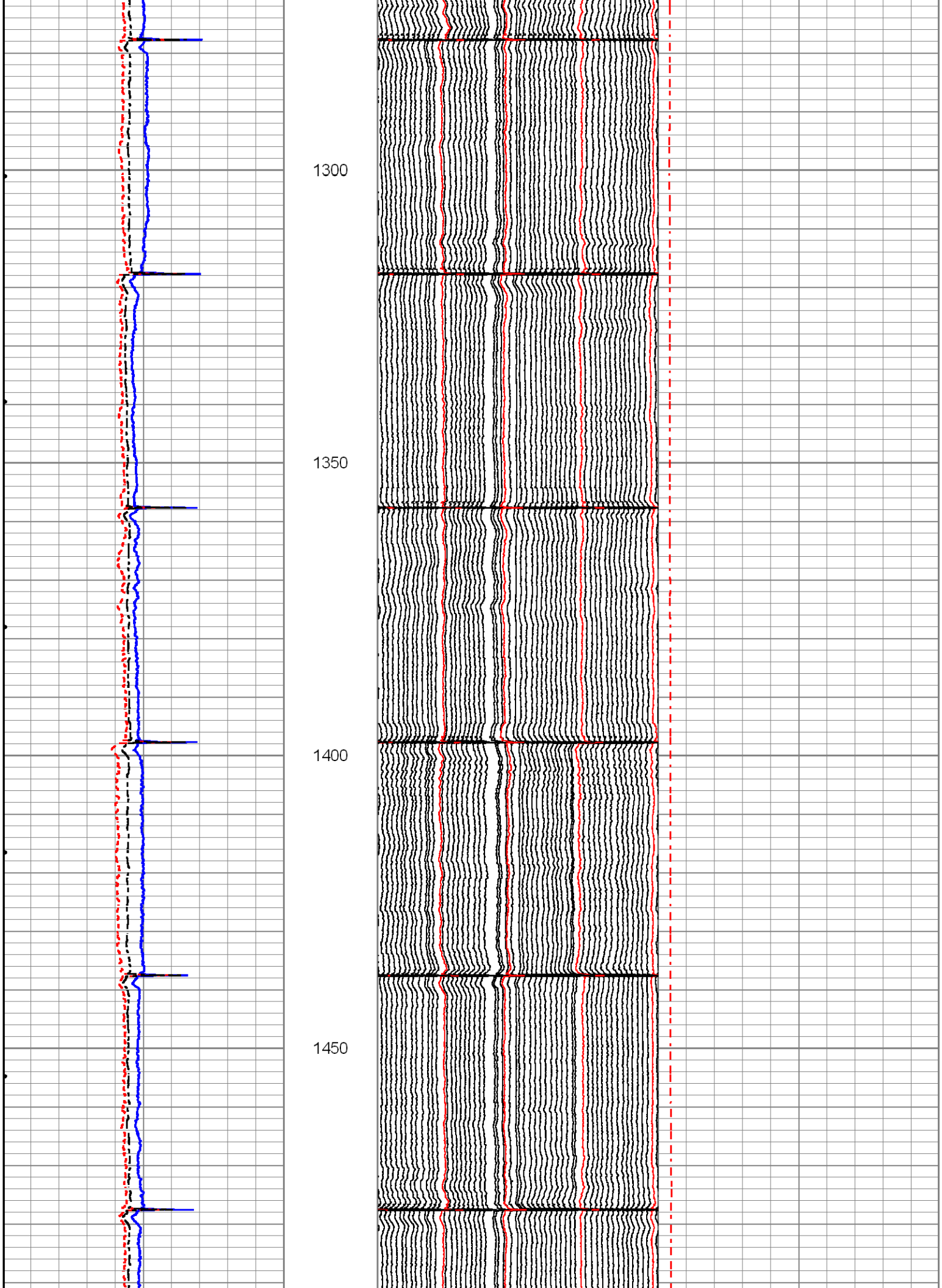
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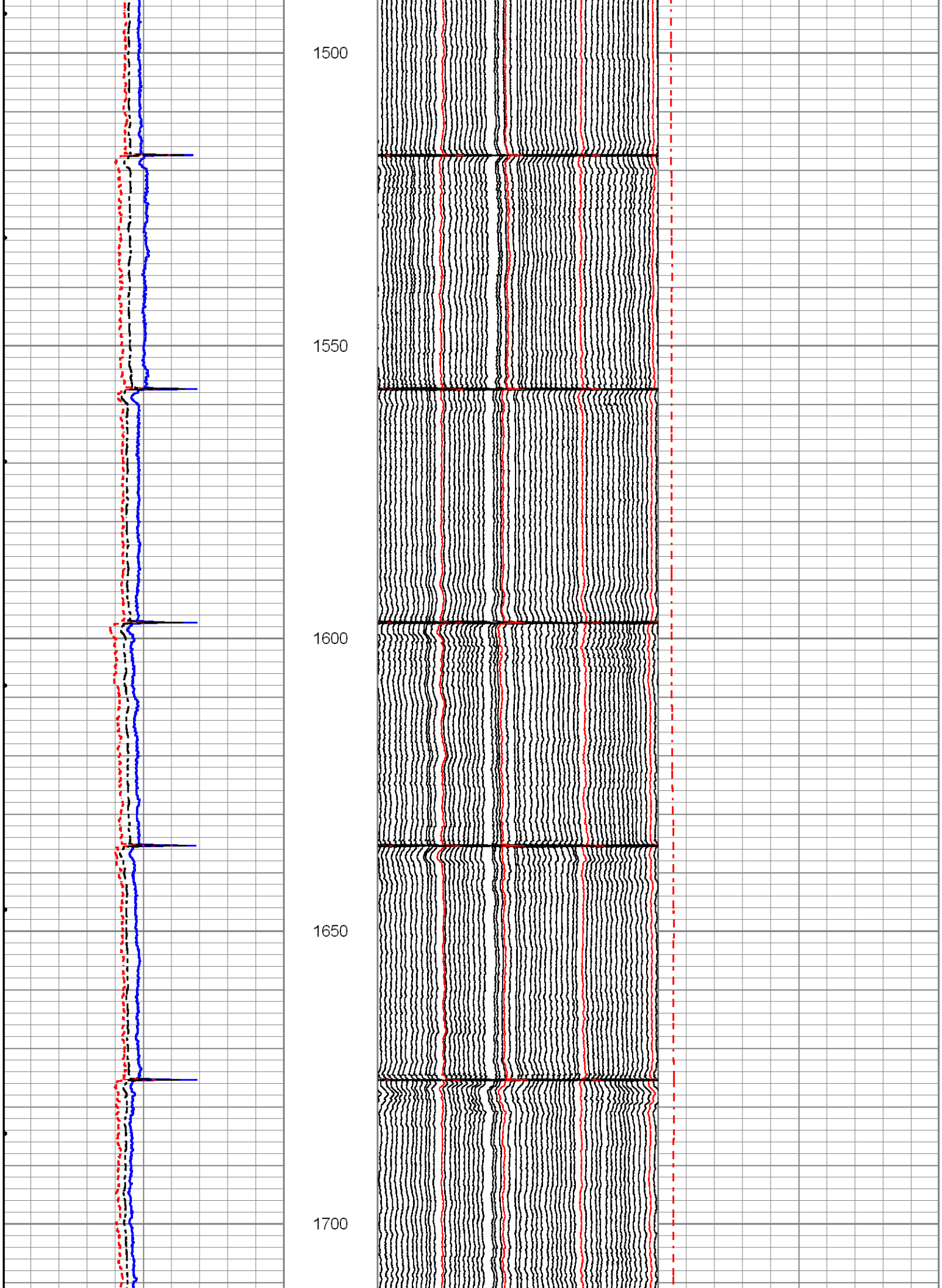
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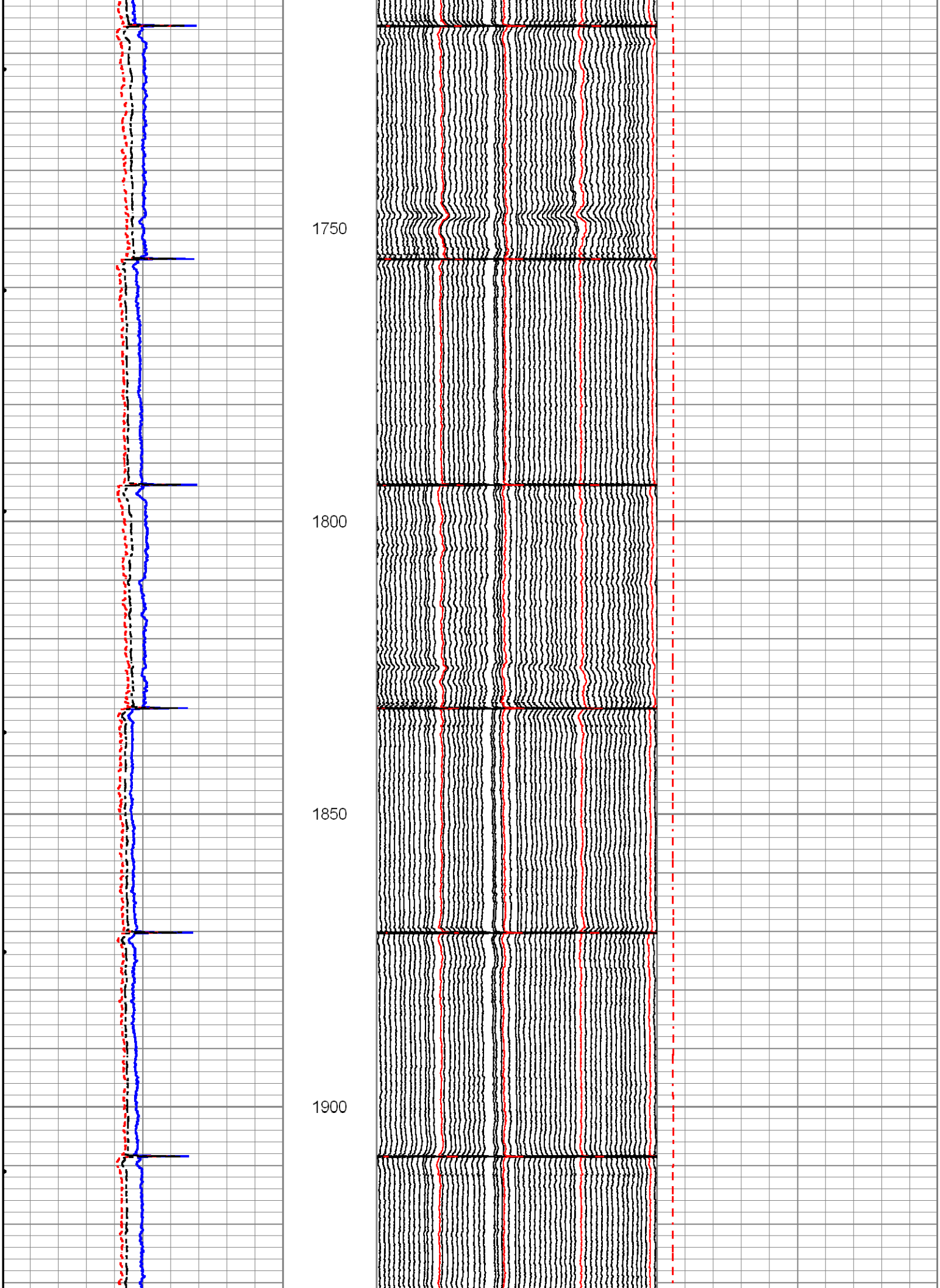
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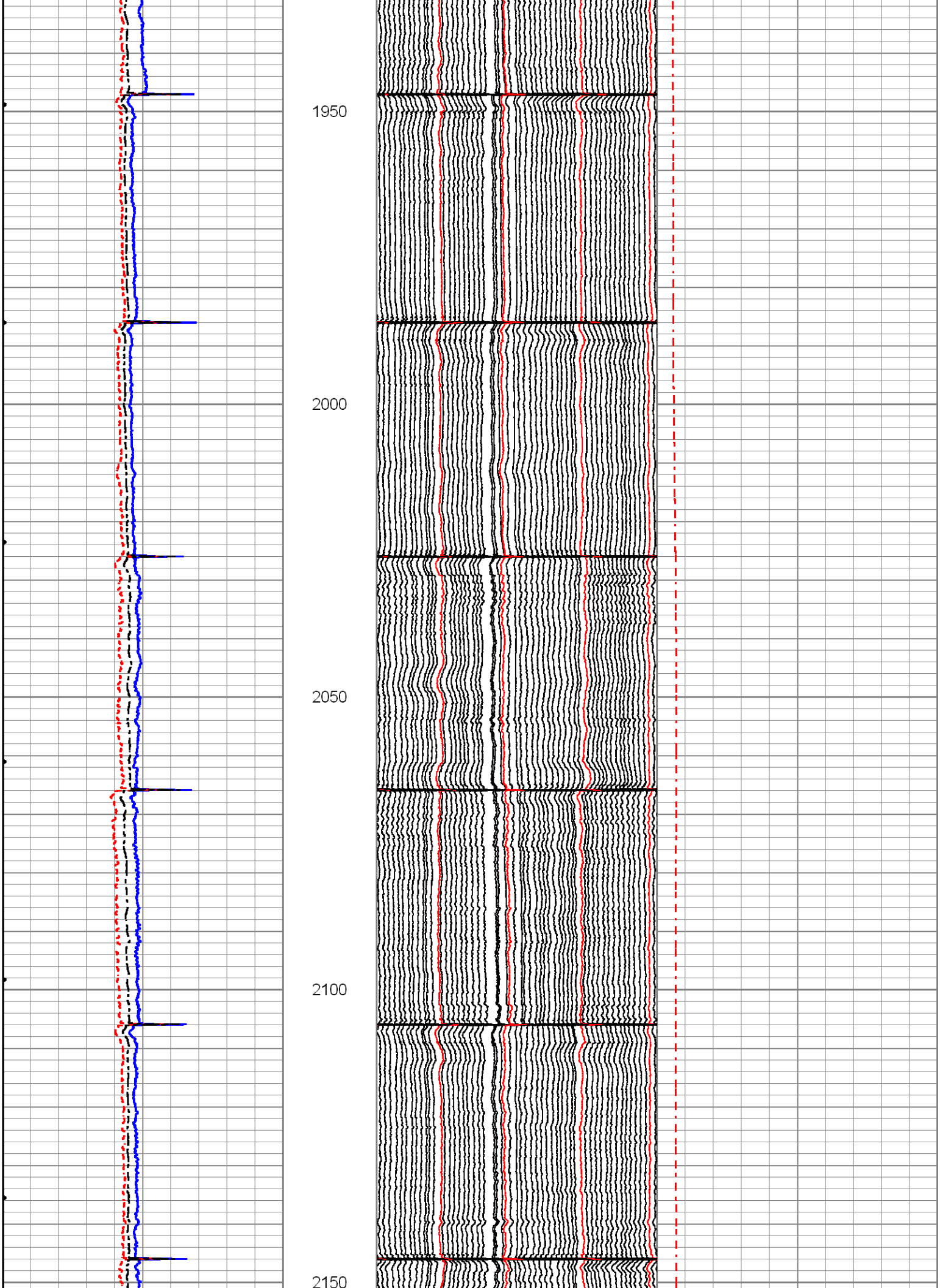
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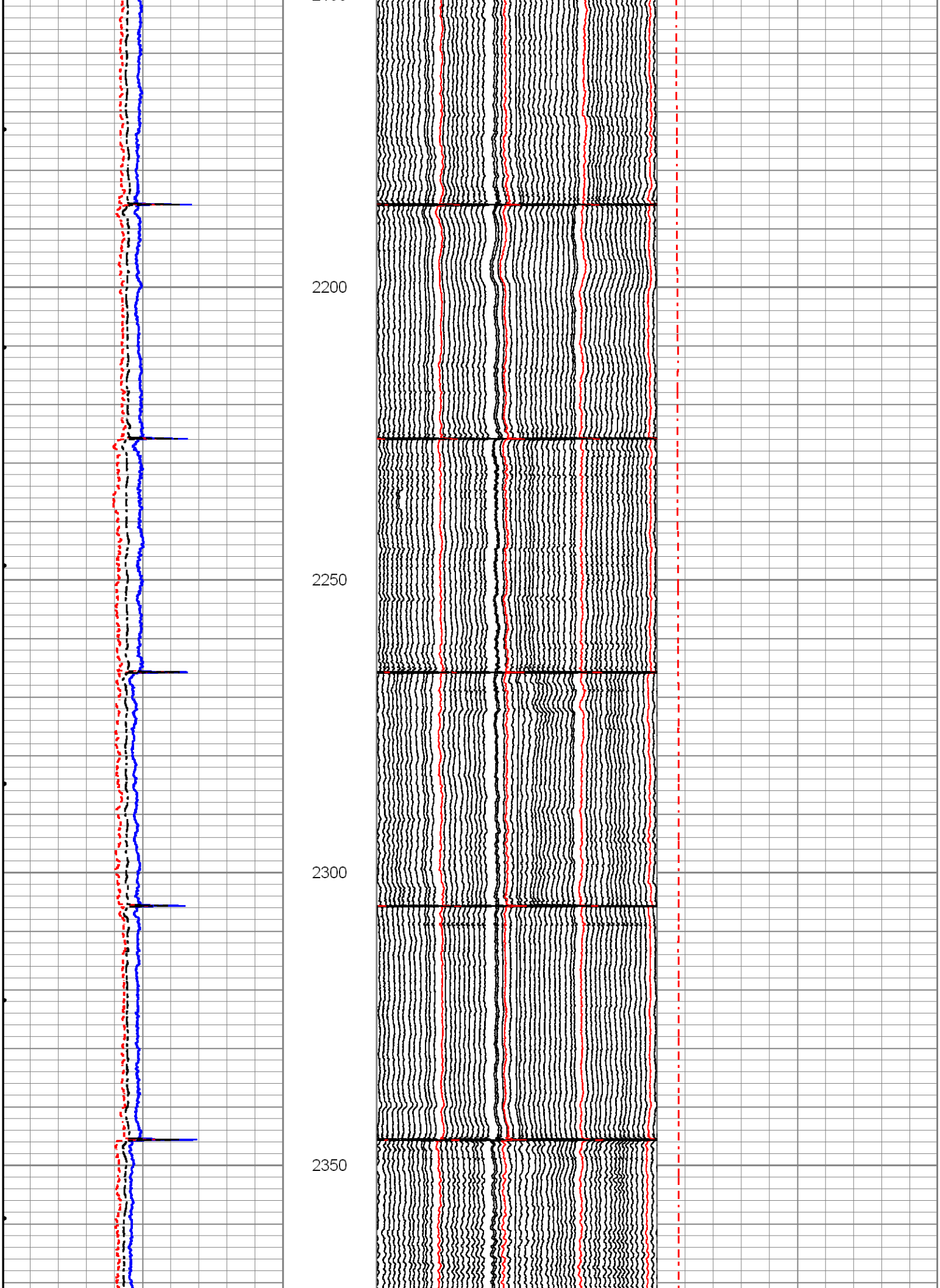
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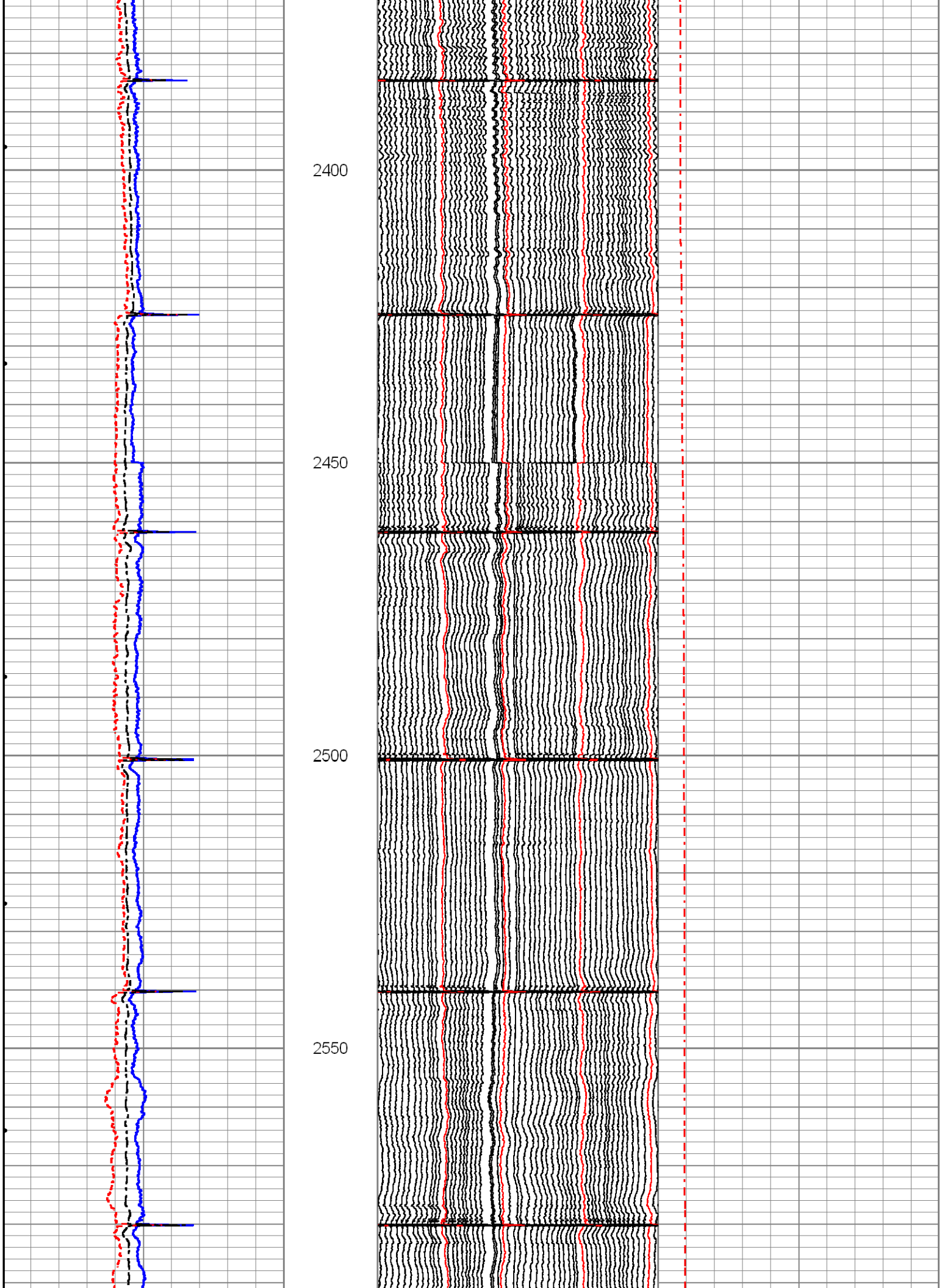
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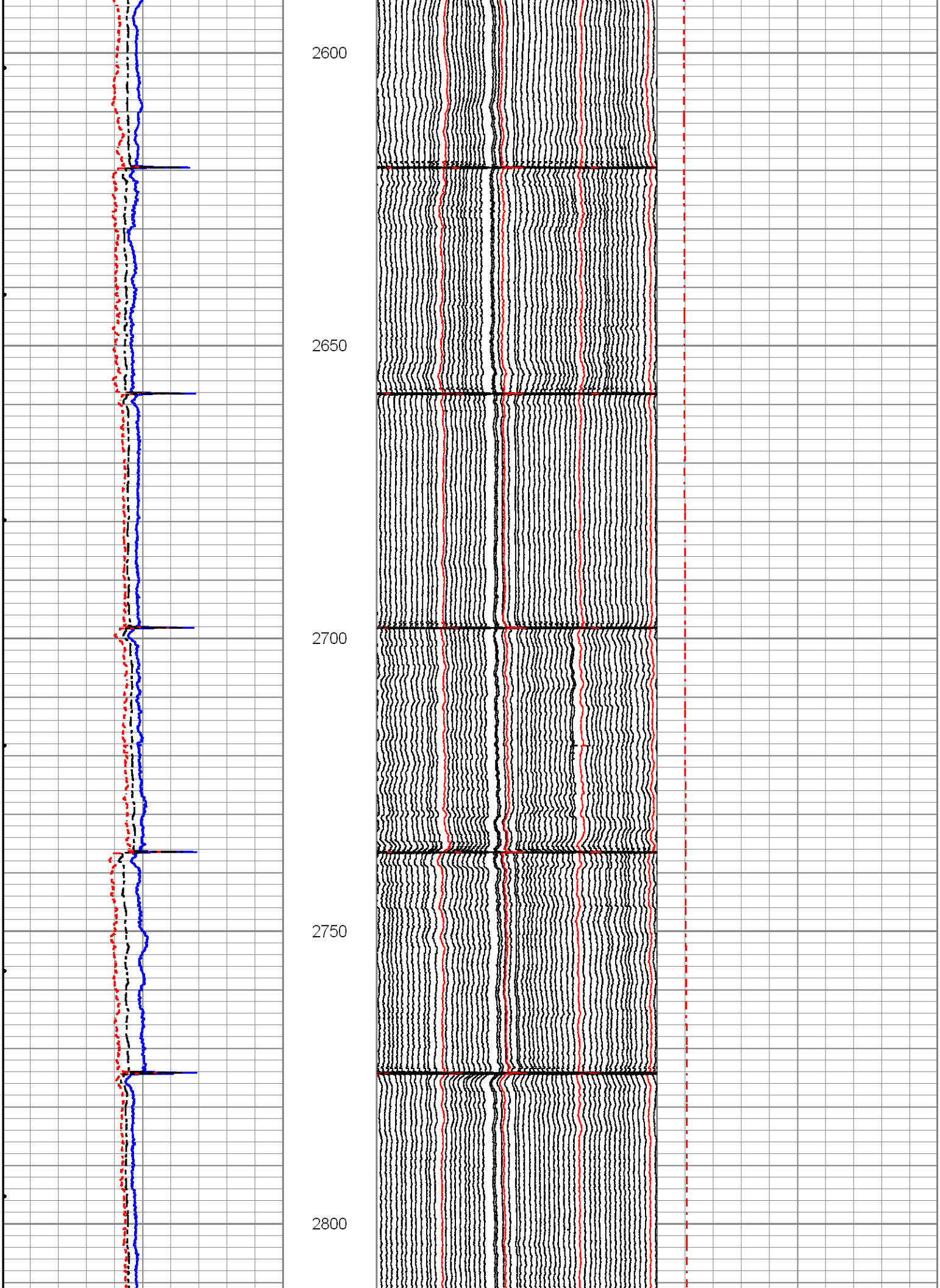
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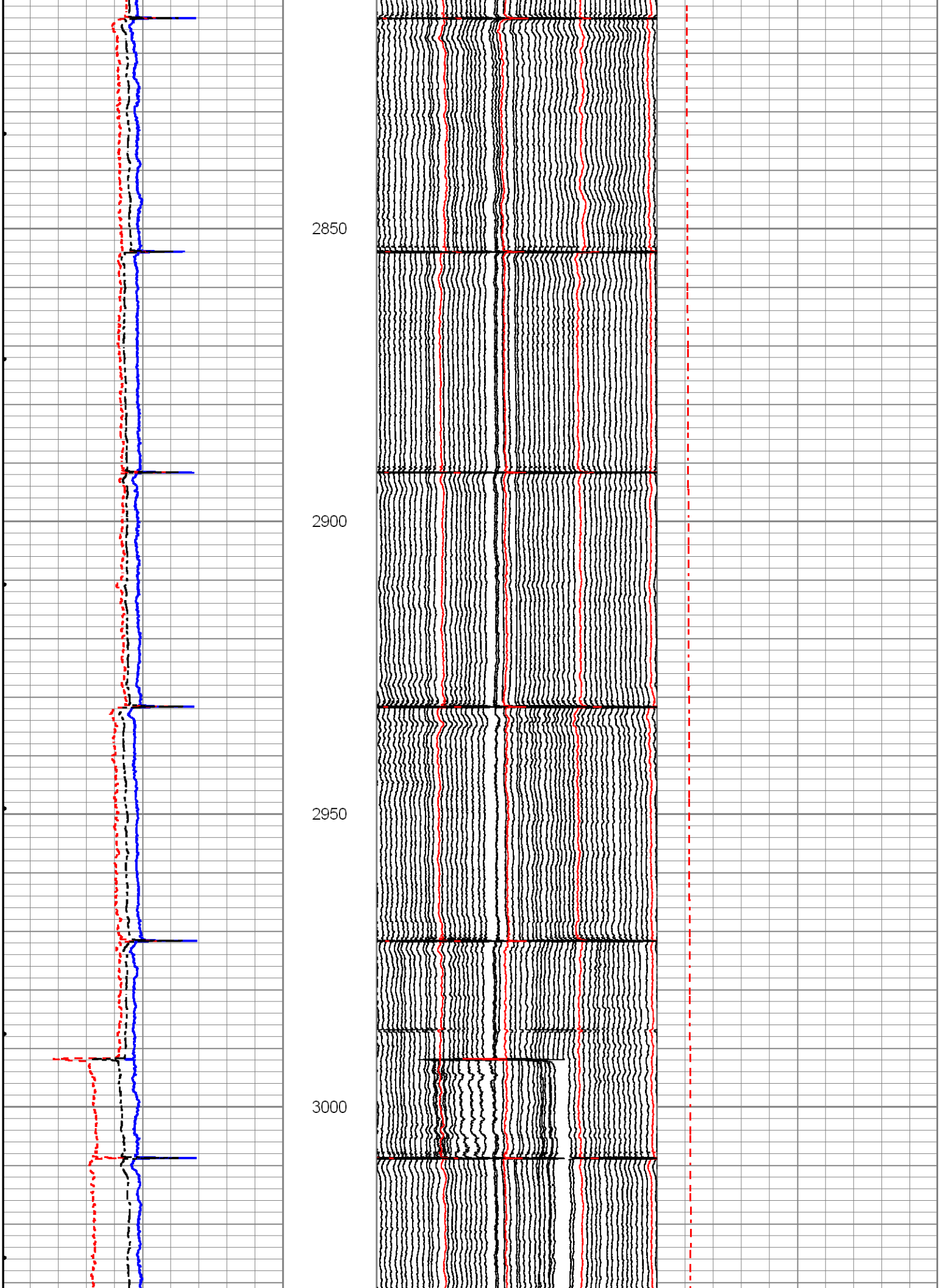
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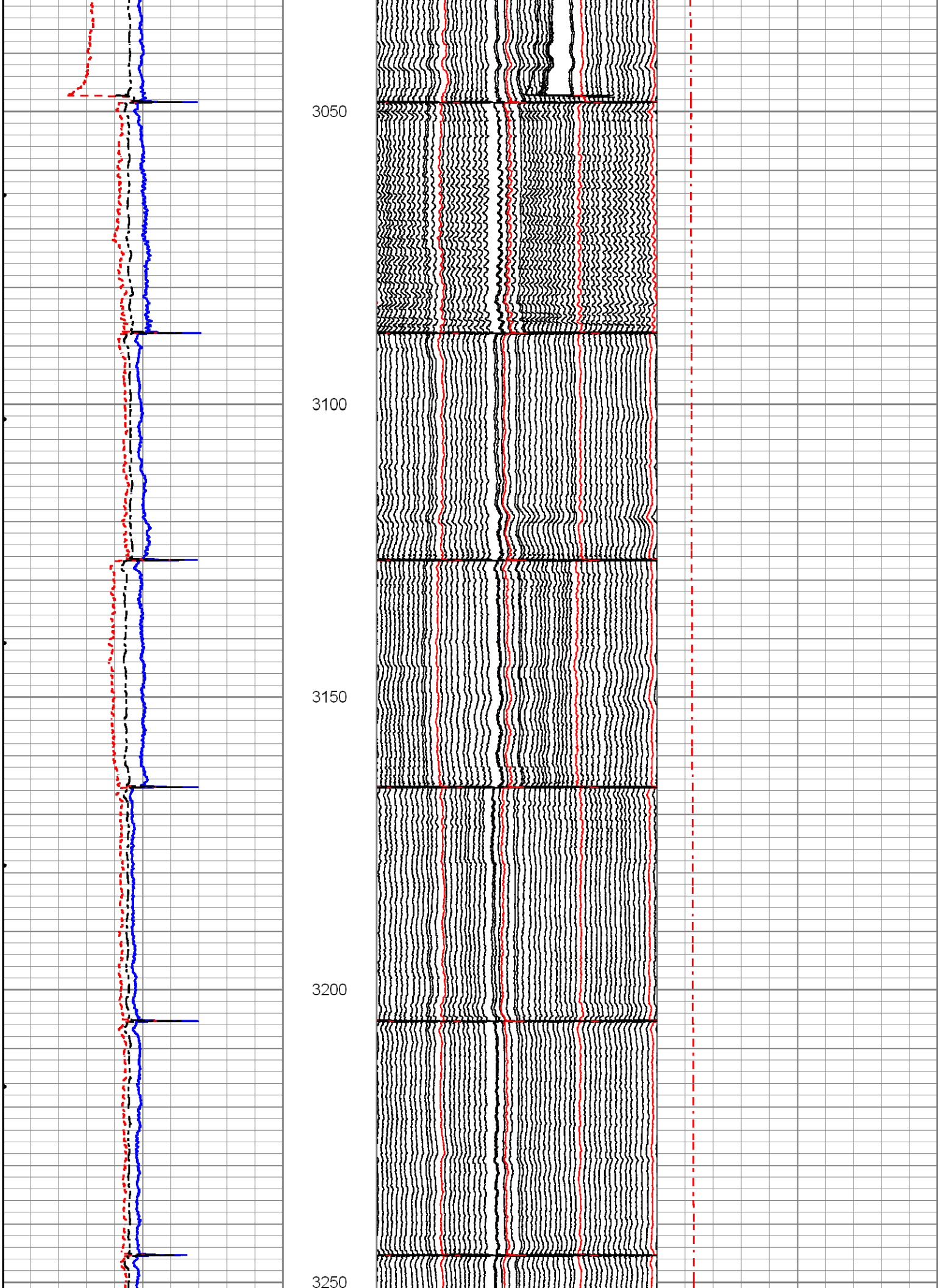
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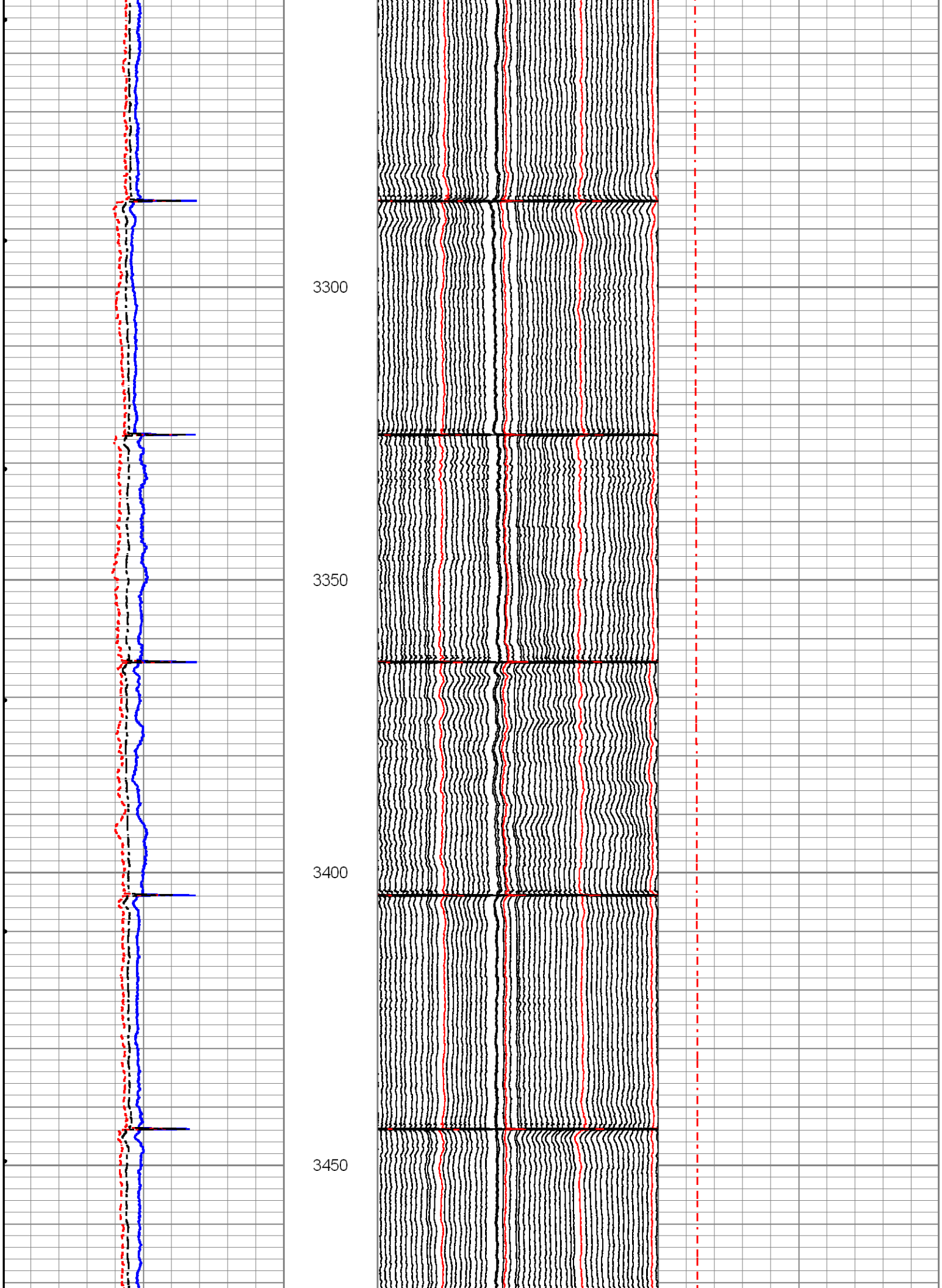
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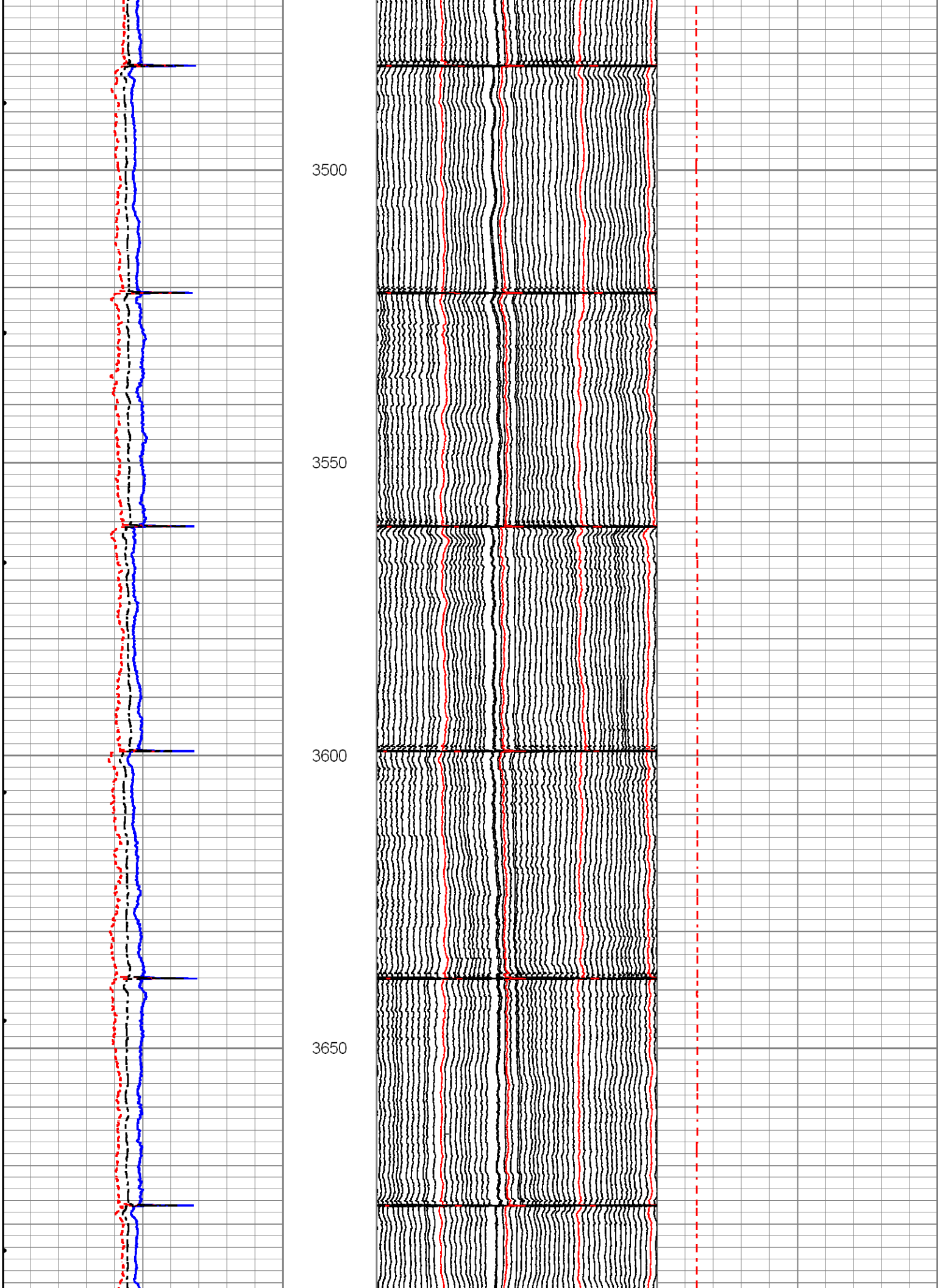
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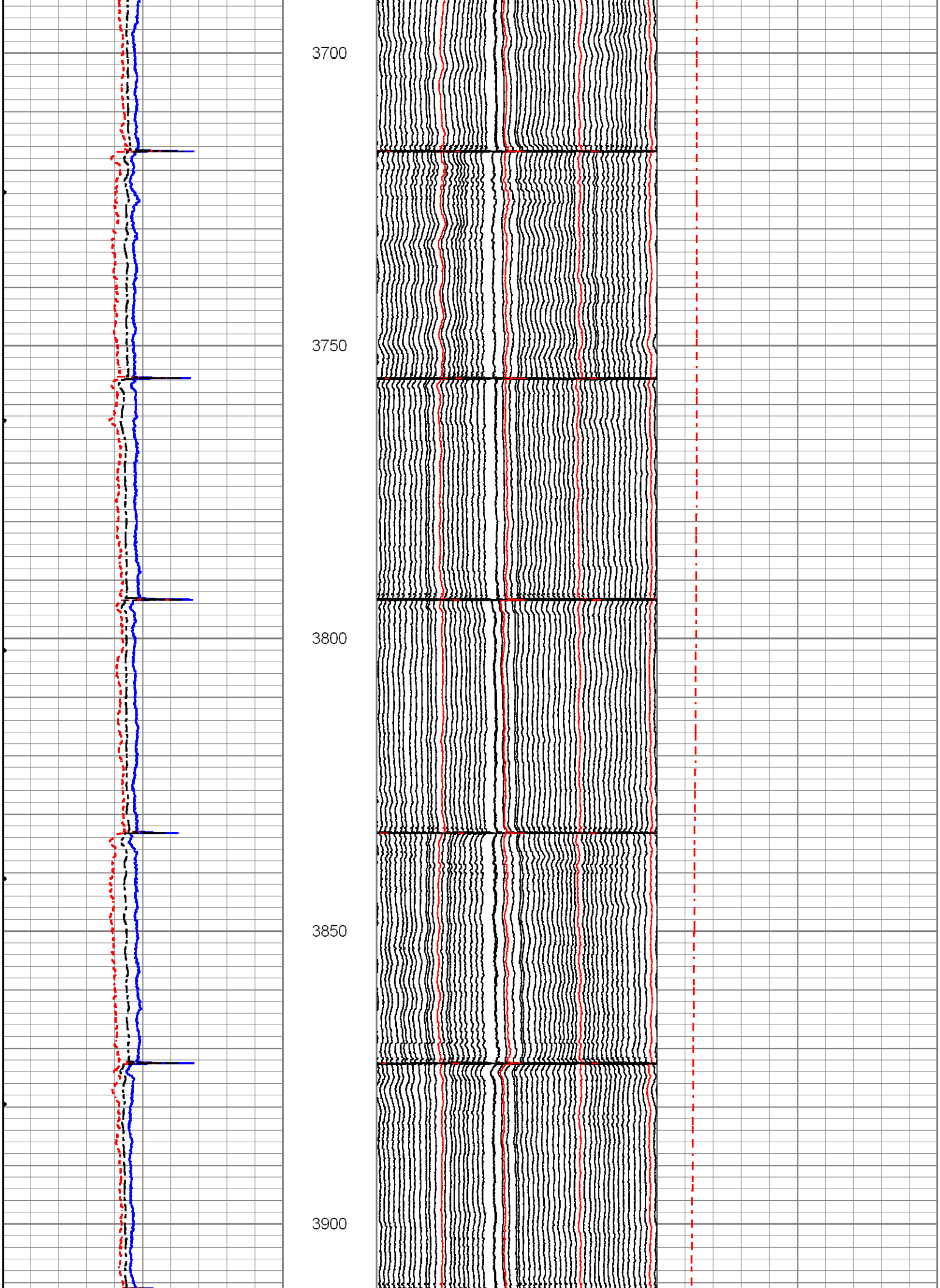
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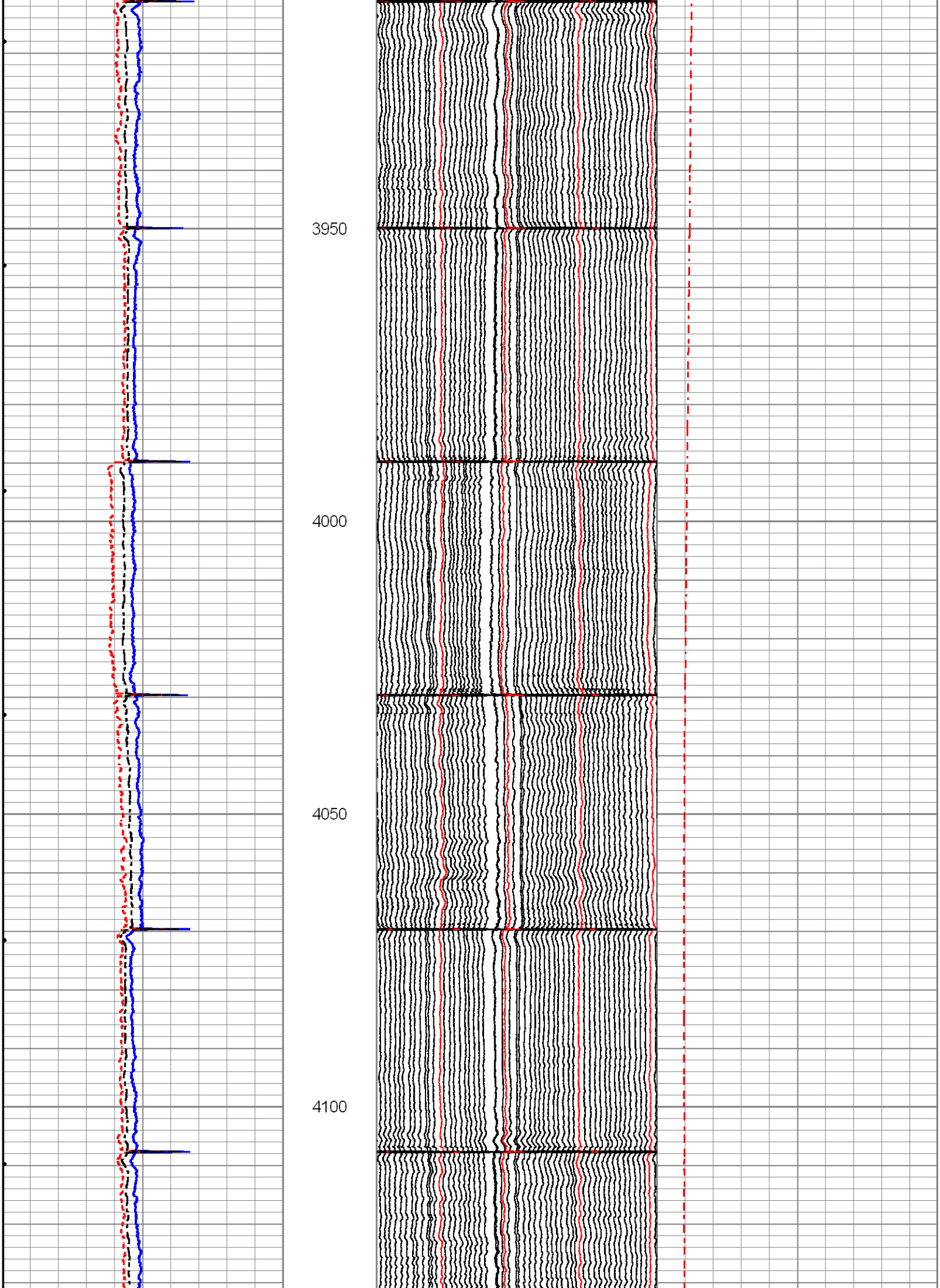
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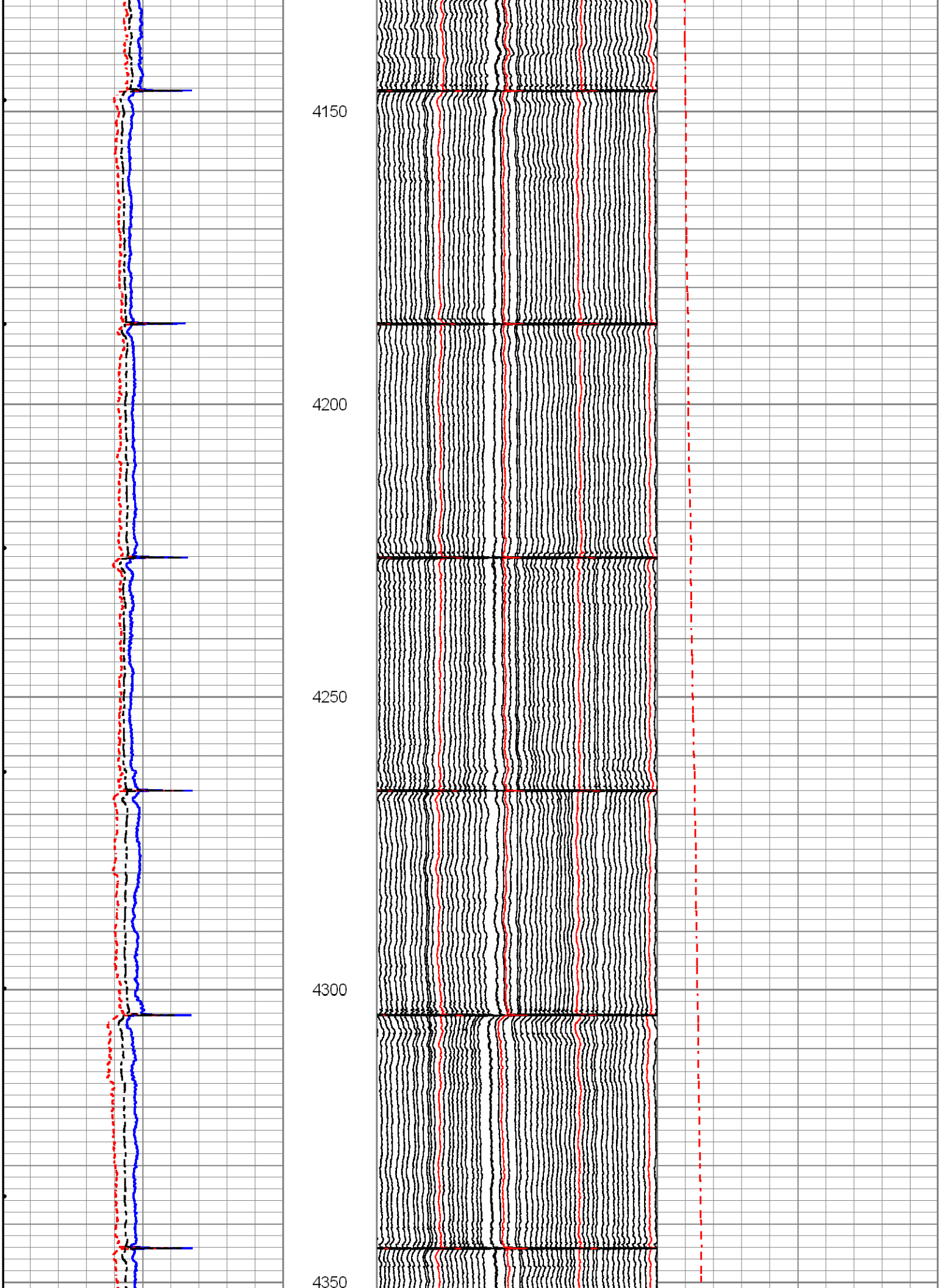
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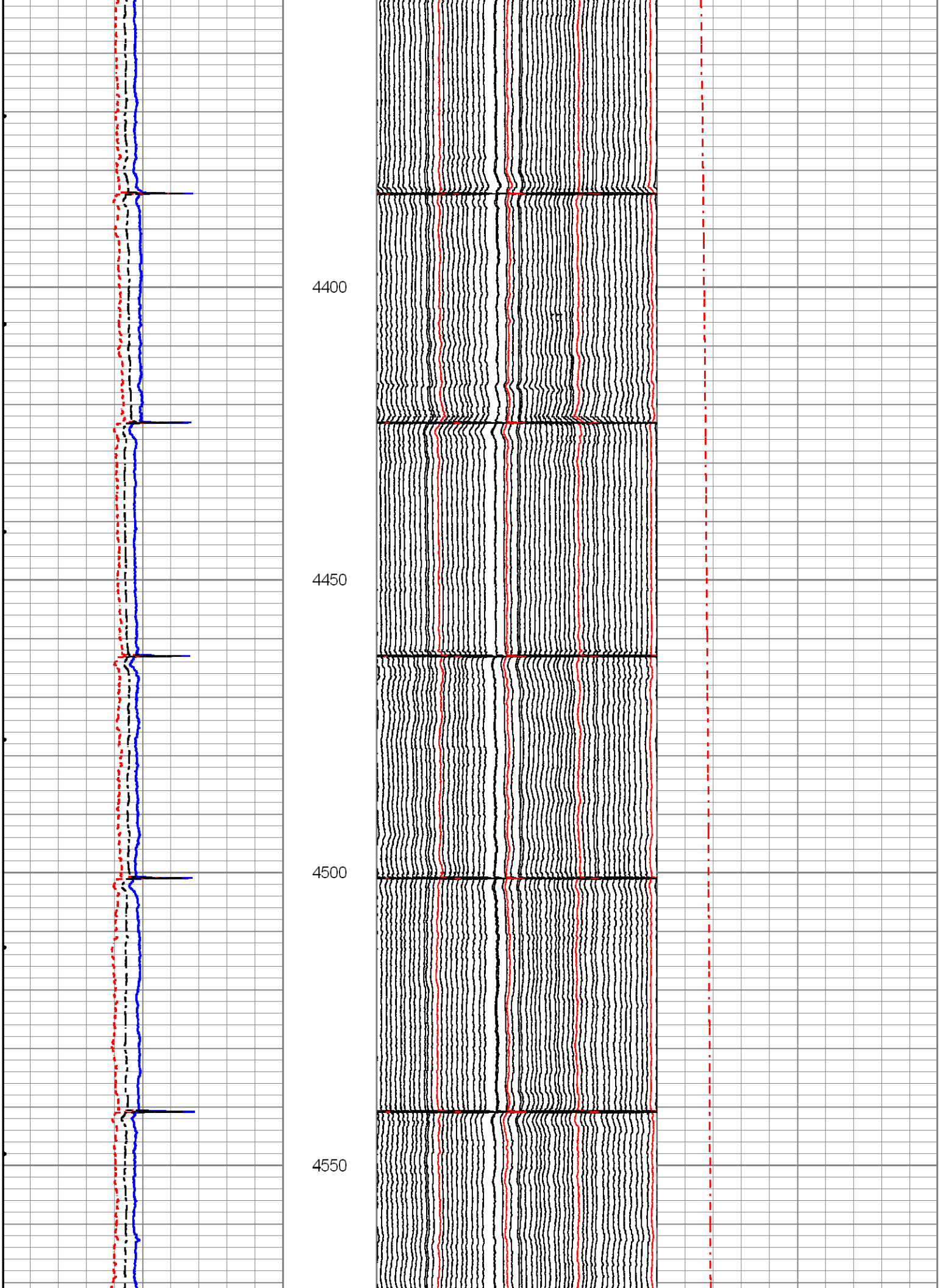
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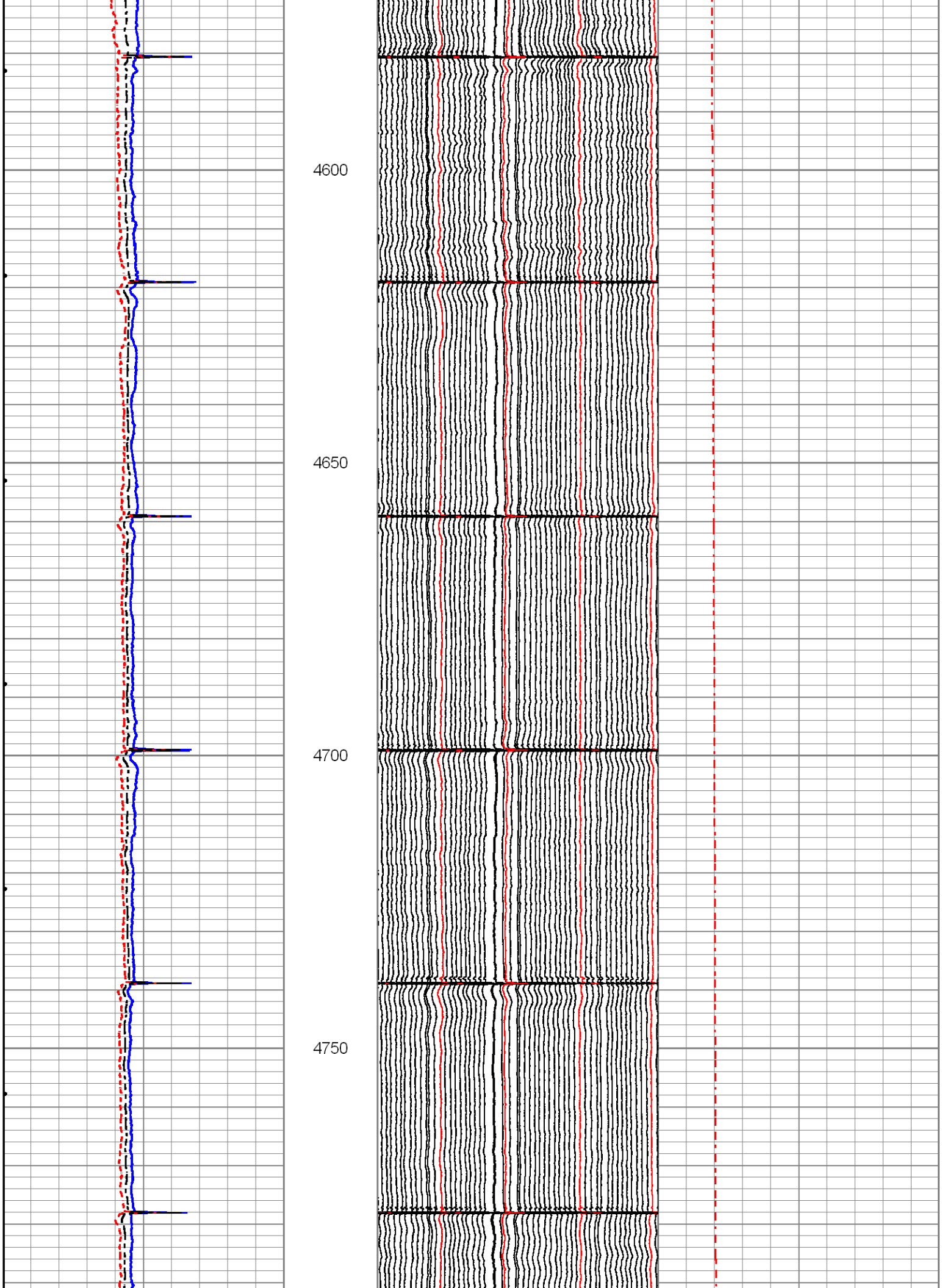
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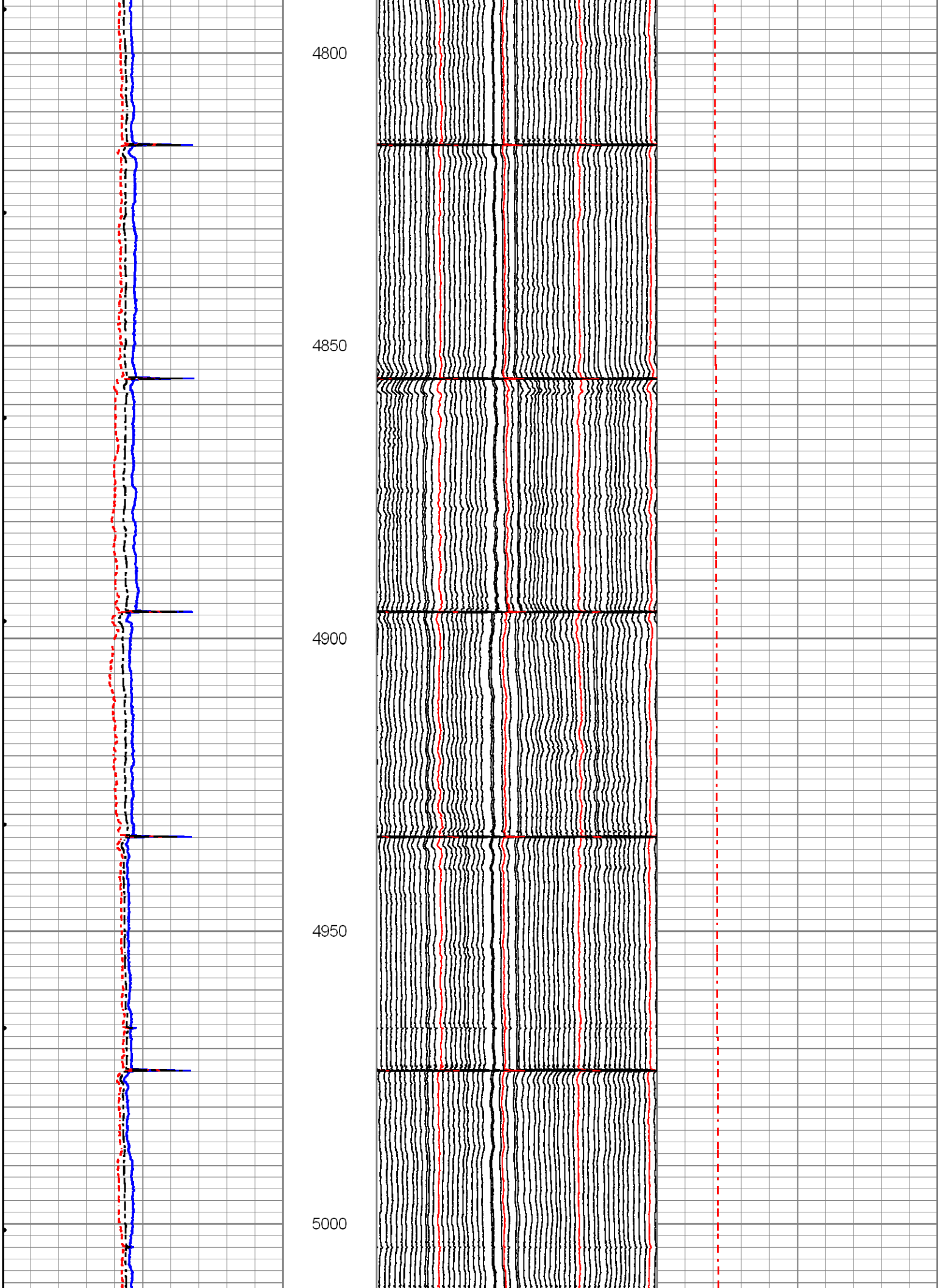
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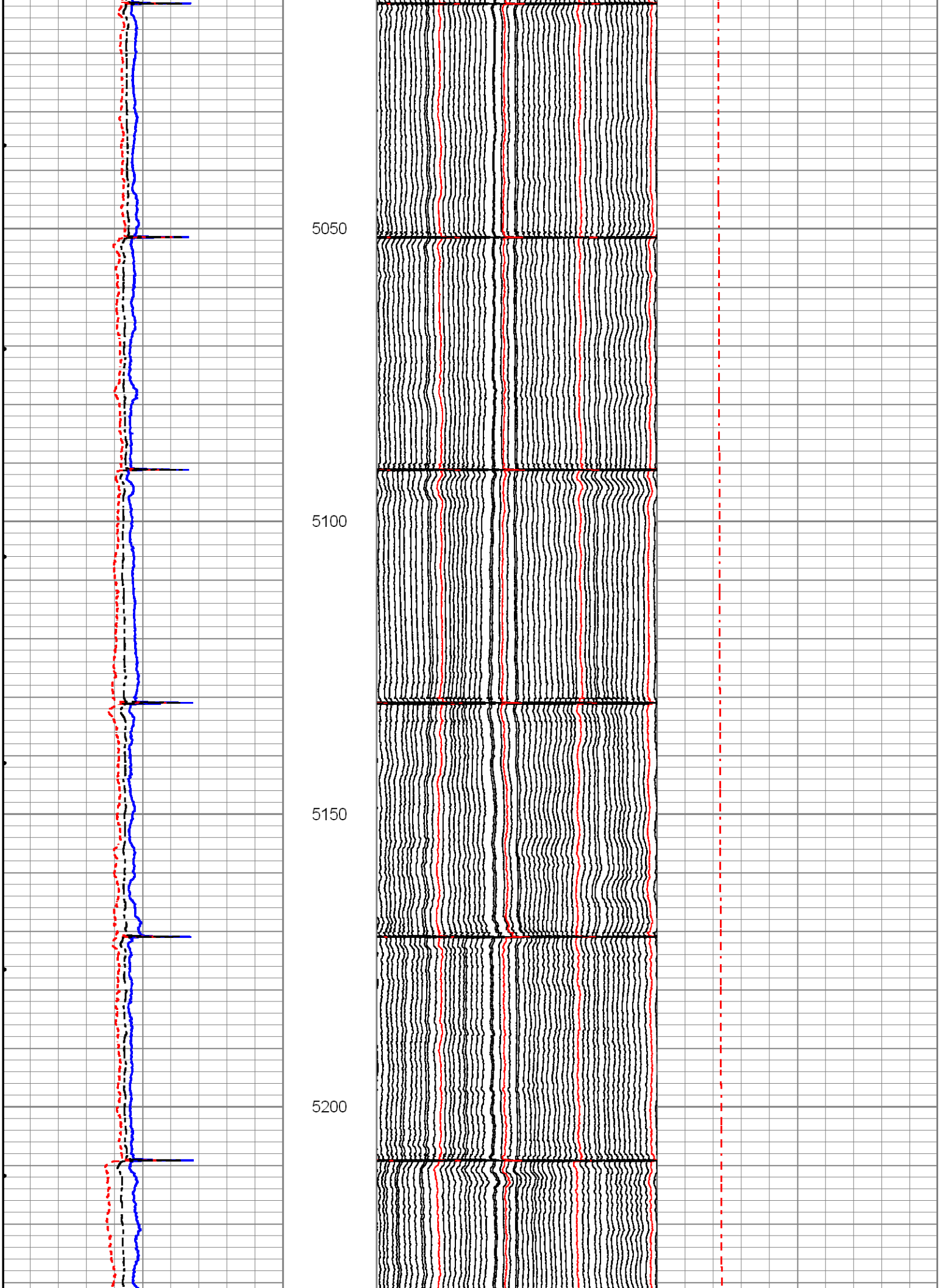
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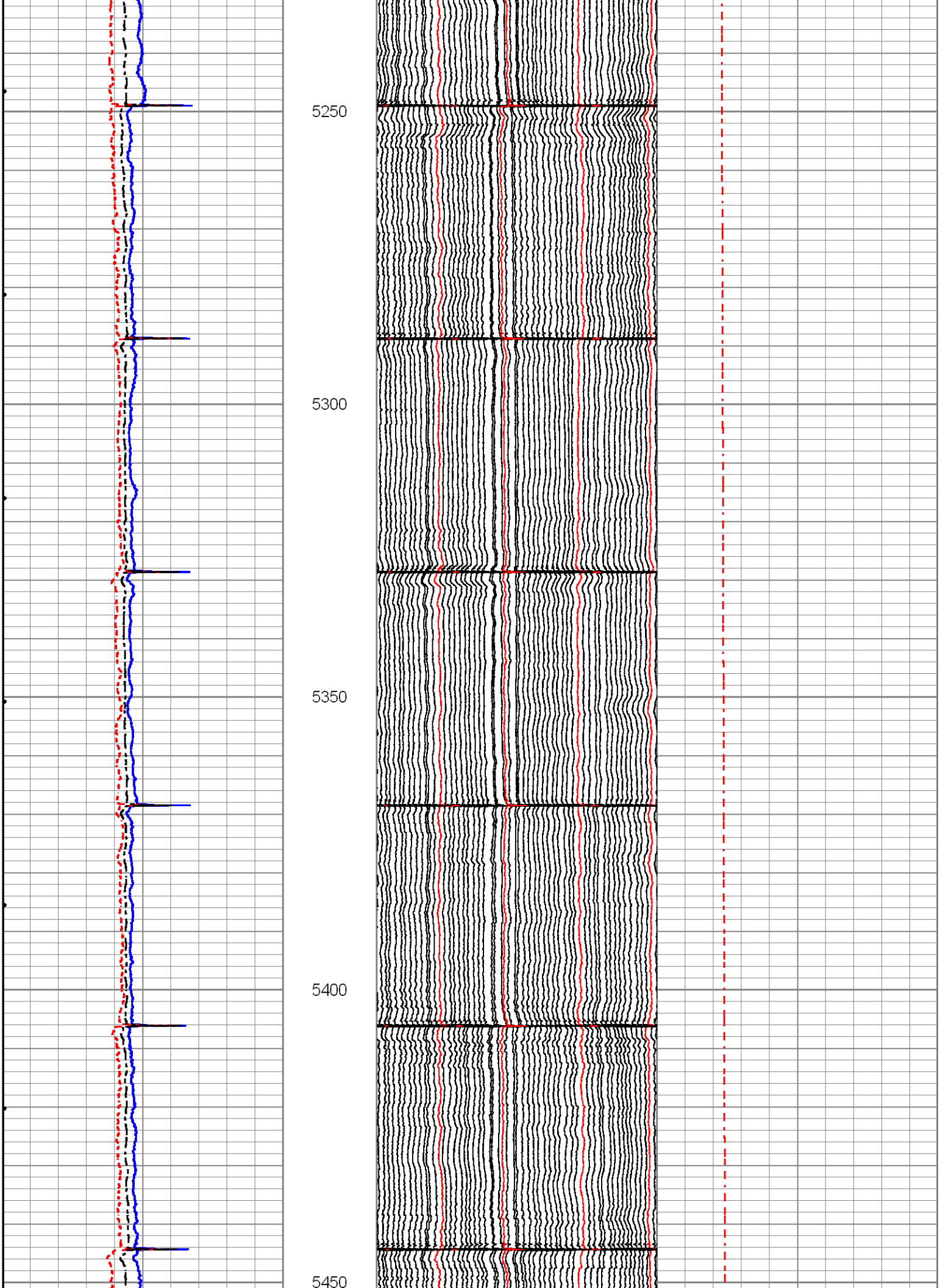
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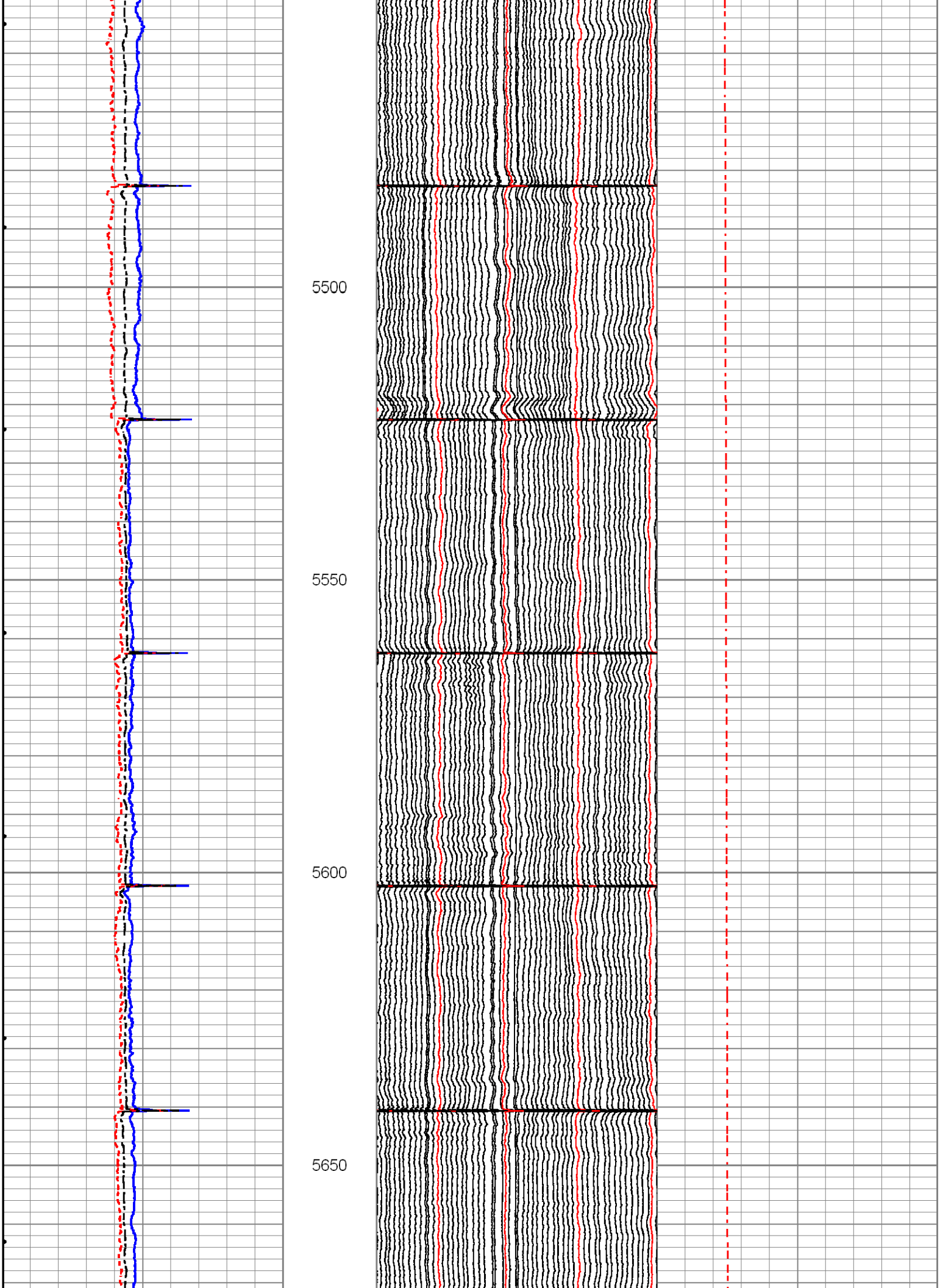
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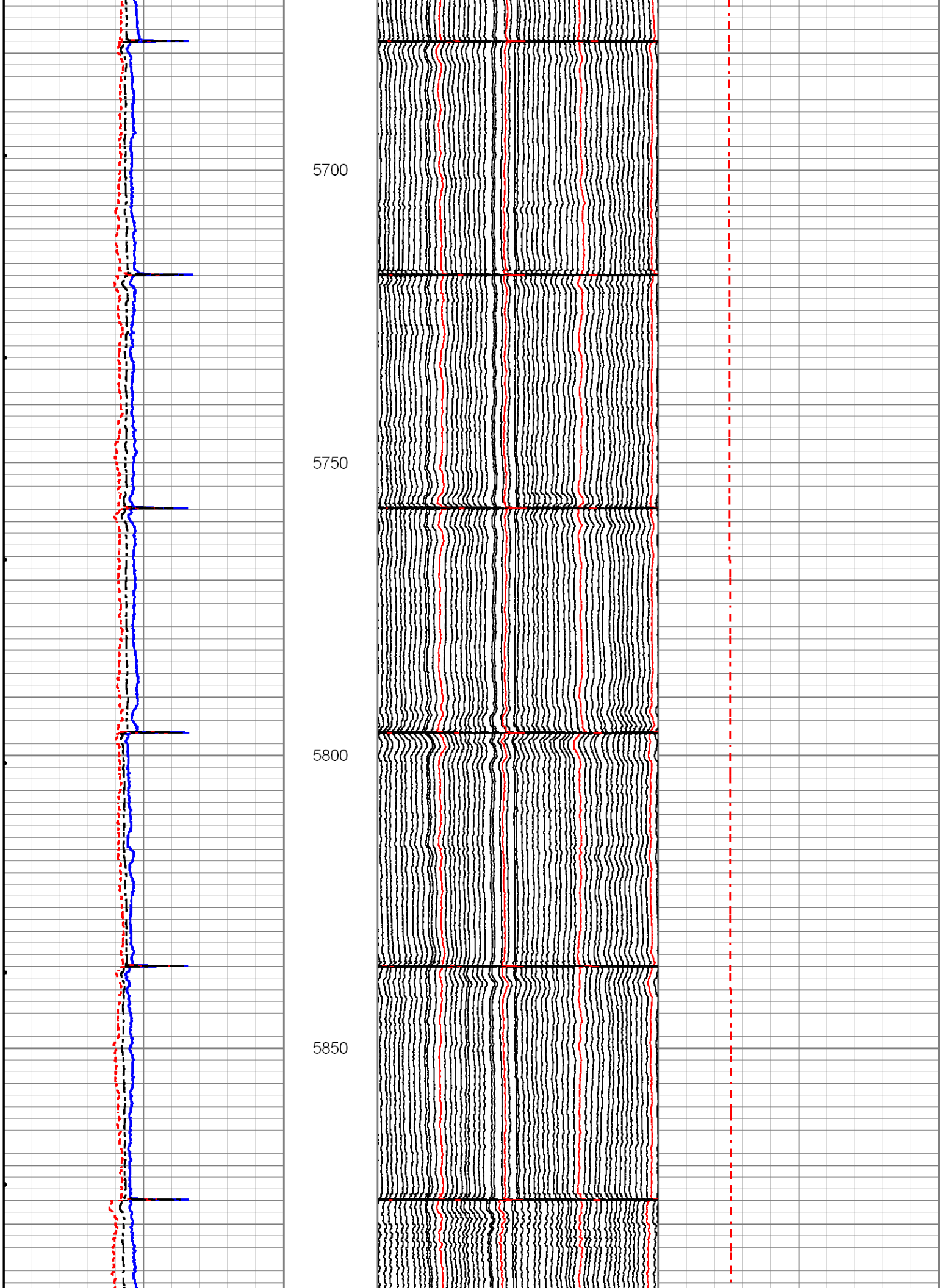
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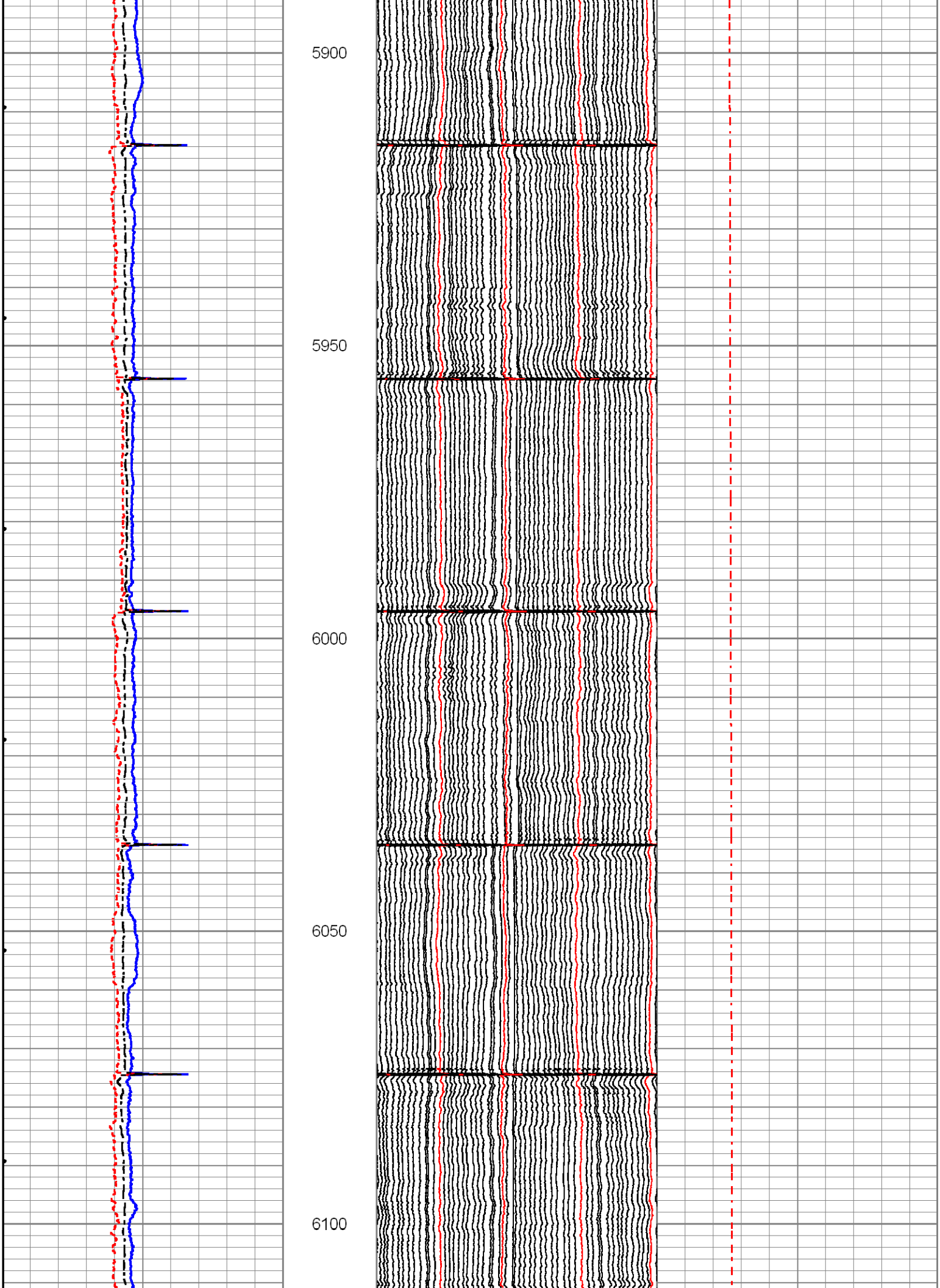
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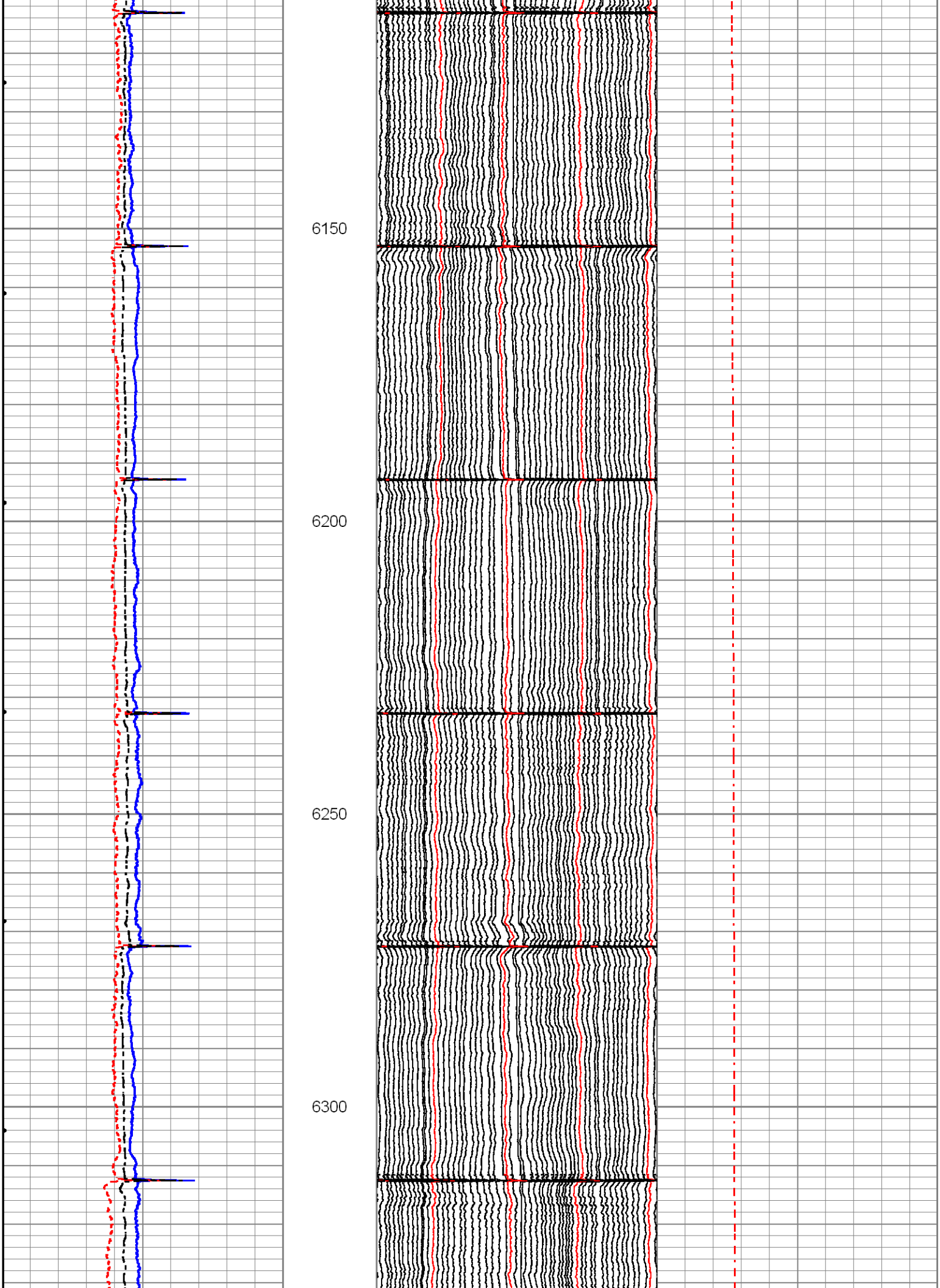
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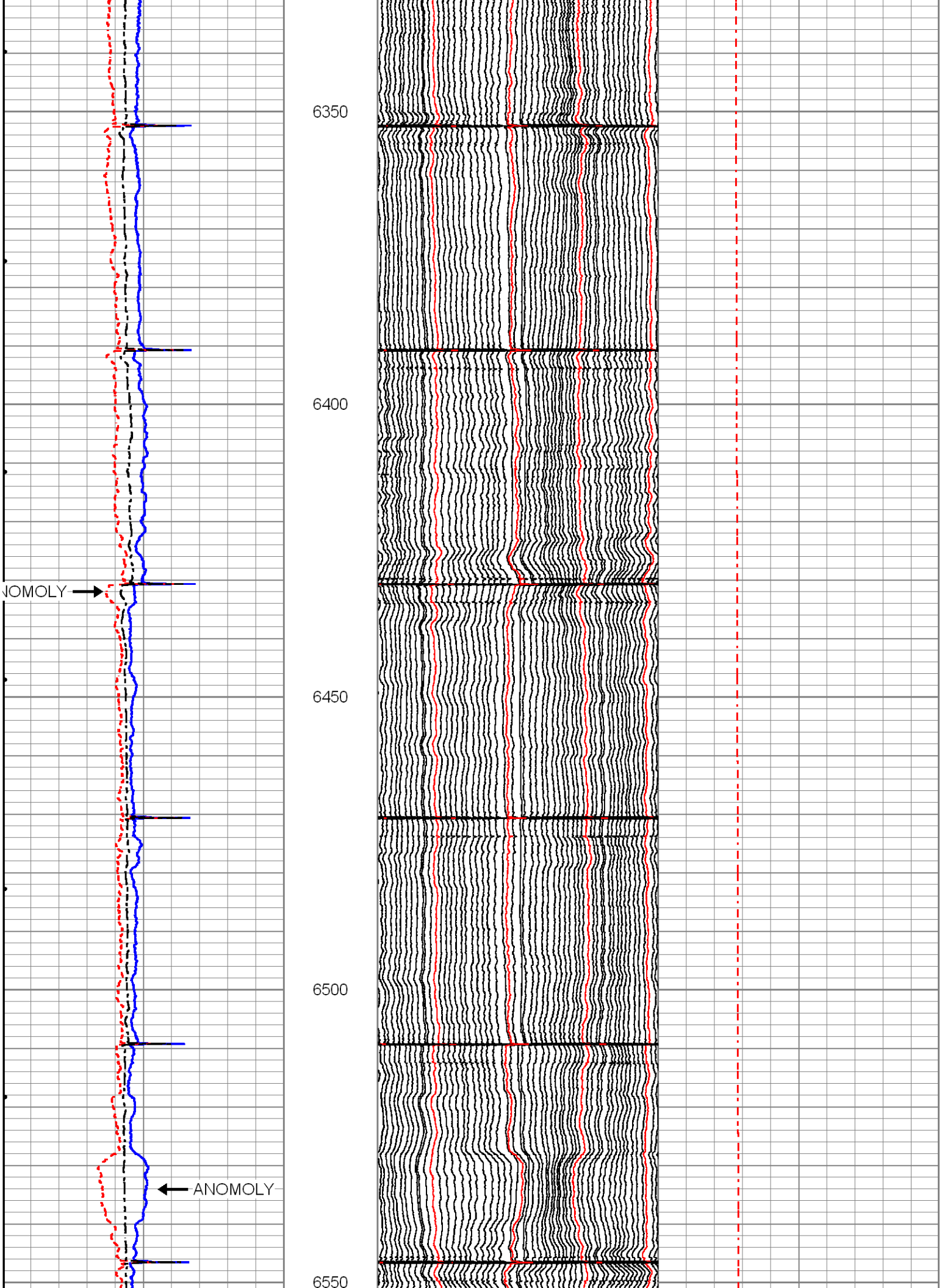
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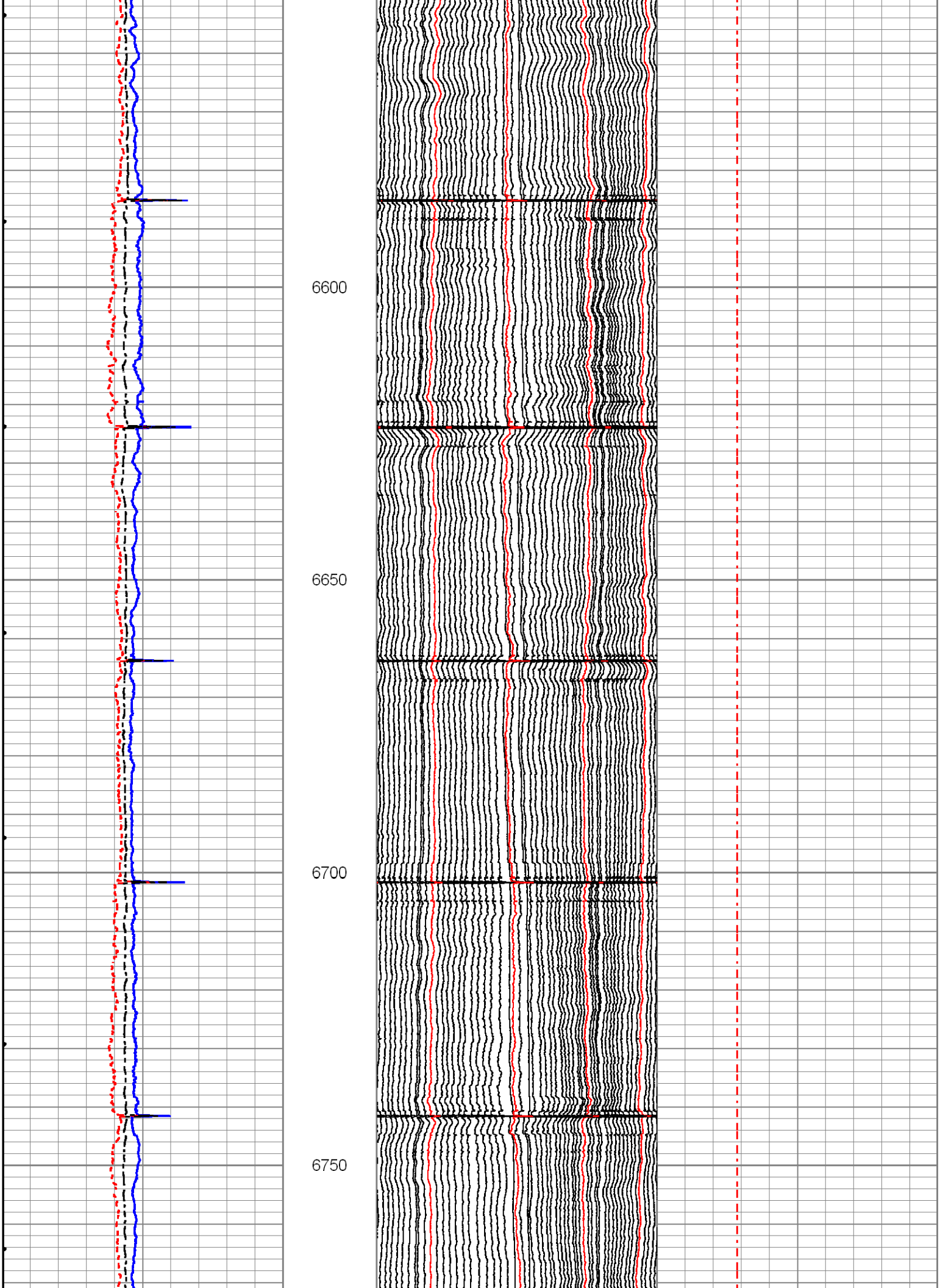
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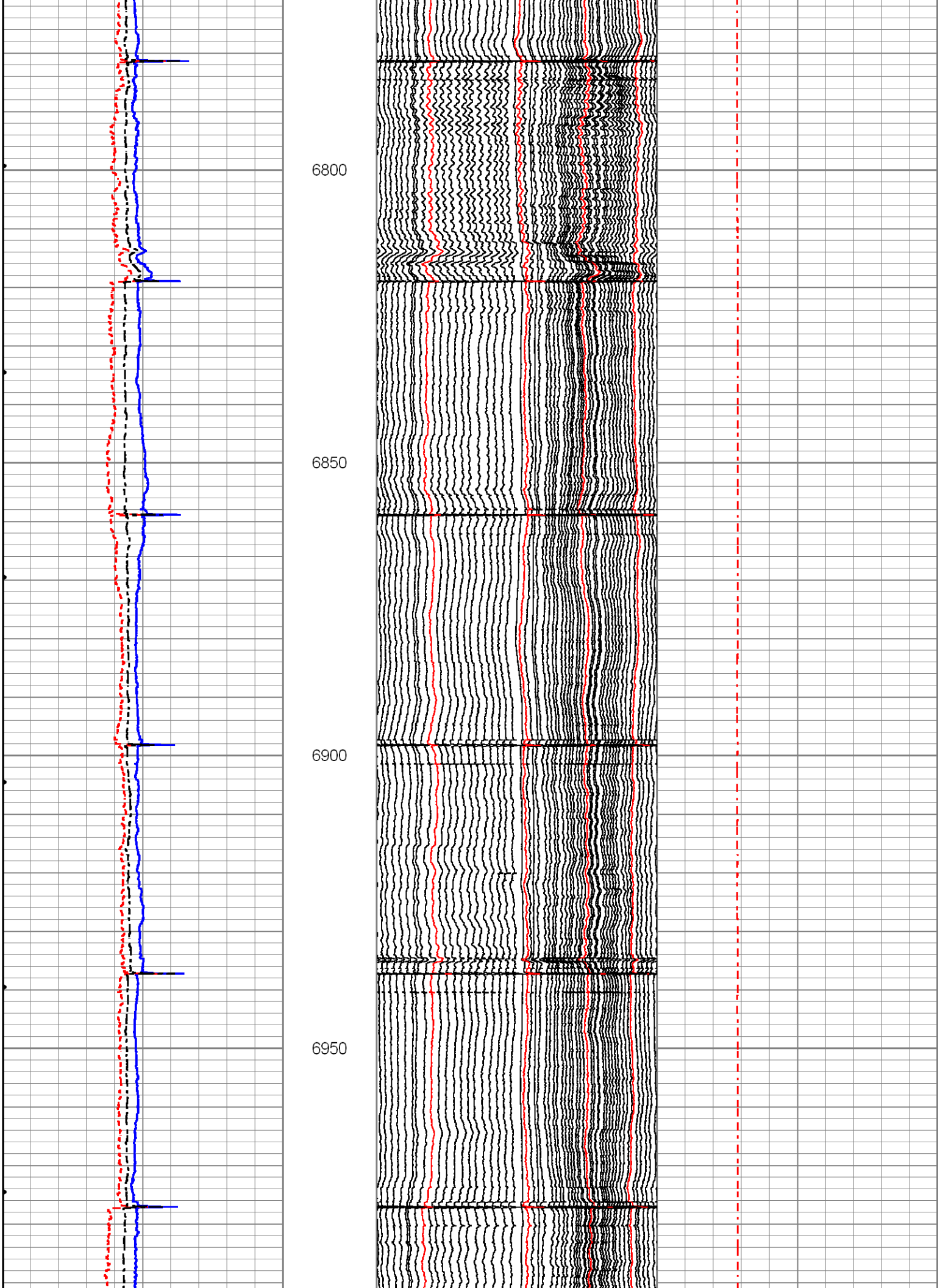
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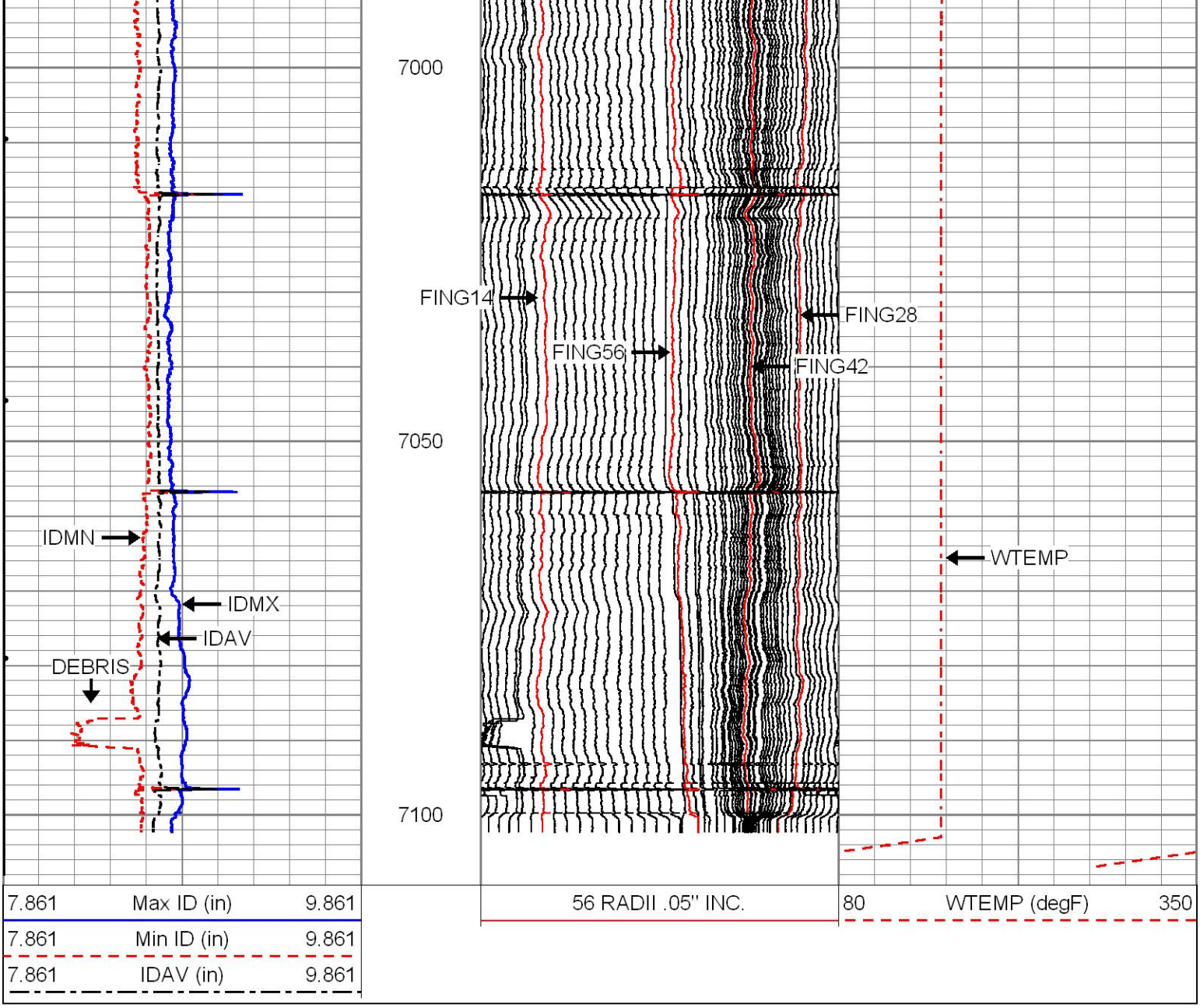
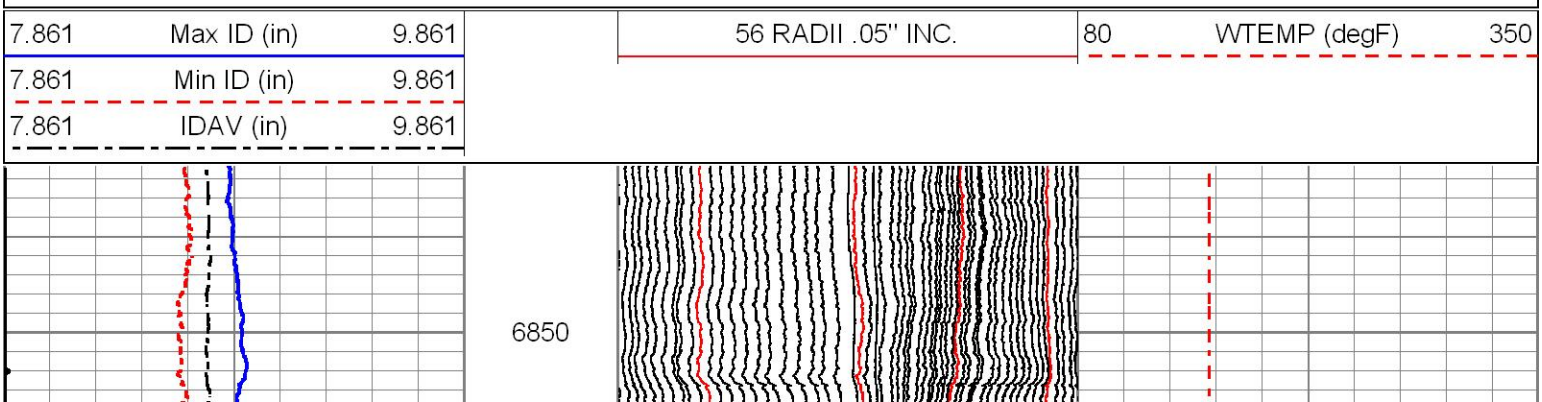
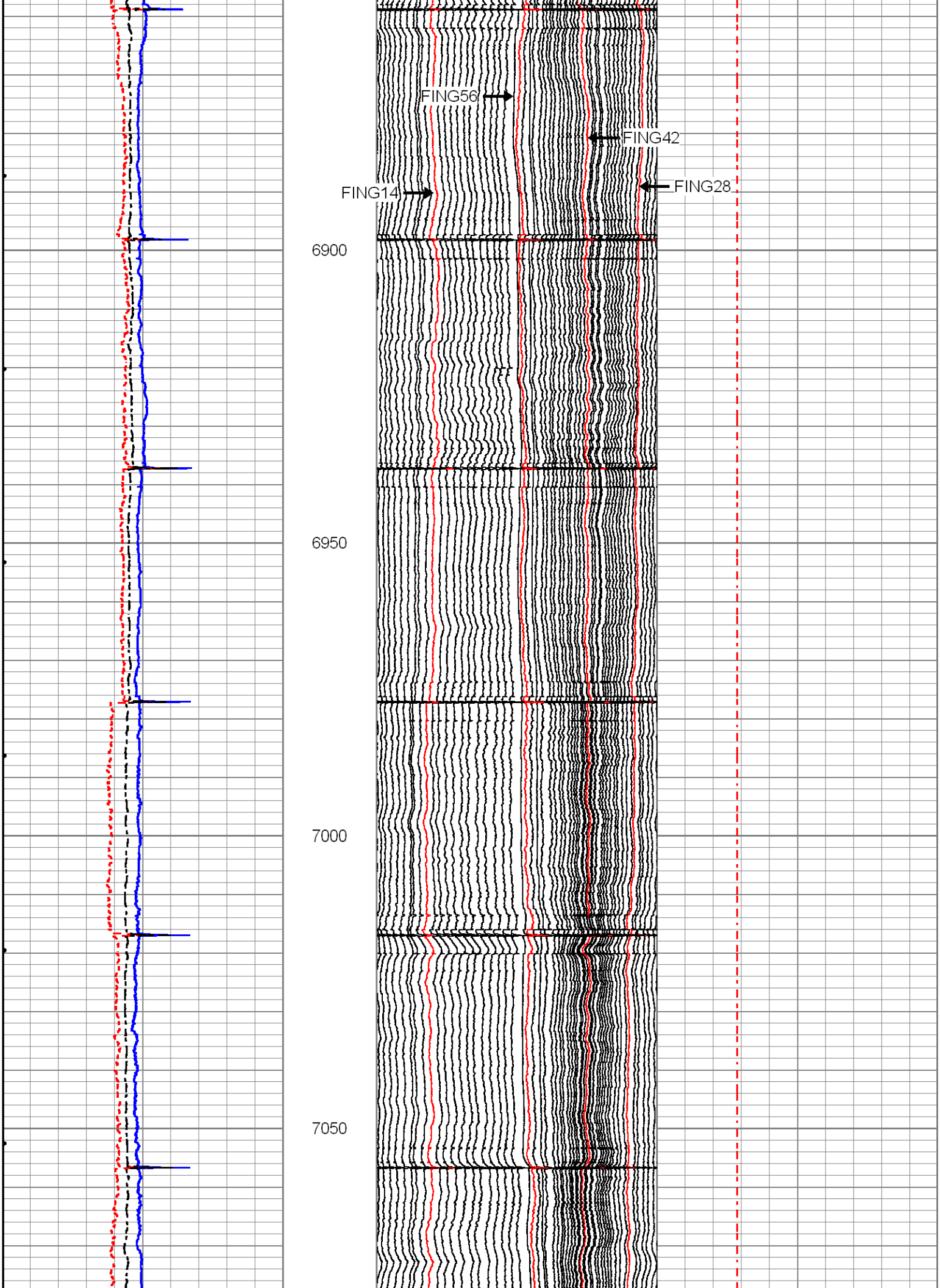


BAKER HUGHES

REPEAT PASS

Database File	porter_50c_ical2.db
Dataset Pathname	pass2
Presentation Format	56_etx
Dataset Creation	Tue Mar 17 12:31:26 2015
Charted by	Depth in Feet scaled 1:240

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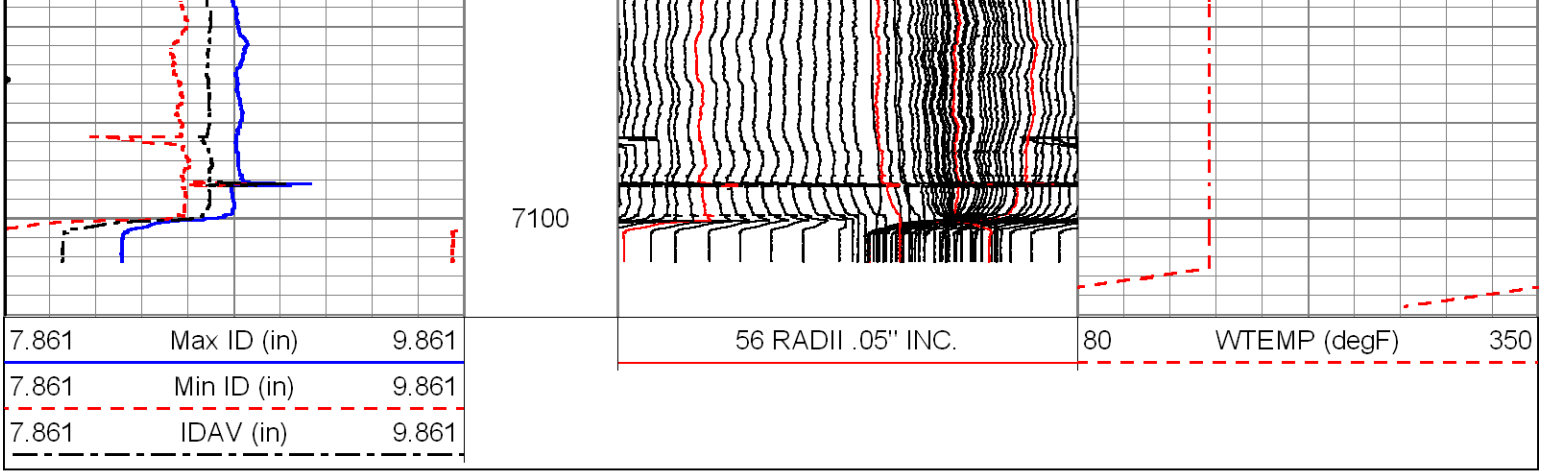


Calibration Report

Database File porter_50c_ical2.db
Dataset Pathname pass5
Dataset Creation Tue Mar 17 16:09:56 2015

GOWell 56 Arm Calibration Report

Serial Number: 10111
Tool Model: 56
Performed: Tue Mar 17 11:44:25 2015

Ref ID:	7.00	8.00	9.00	9.25	9.63	Offset	in	
Arm1	7.07	8.14	9.11	9.38	9.75	0.00	in	
Arm2	7.04	8.14	9.07	9.40	9.81	0.00	in	
Arm3	6.79	7.89	8.87	9.15	9.52	0.00	in	
Arm4	7.22	8.28	9.30	9.60	9.99	0.00	in	
Arm5	7.17	8.26	9.23	9.51	9.88	0.00	in	
Arm6	7.03	8.15	9.16	9.46	9.85	0.00	in	
Arm7	7.04	8.15	9.11	9.39	9.77	0.00	in	
Arm8	7.23	8.34	9.34	9.63	10.02	0.00	in	
Arm9	7.20	8.29	9.24	9.52	9.82	0.00	in	
Arm10	7.11	8.24	9.22	9.51	9.90	0.00	in	
Arm11	6.98	8.09	9.03	9.31	9.69	0.00	in	
Arm12	6.99	8.12	9.12	9.40	9.78	0.00	in	
Arm13	7.10	8.19	9.14	9.41	9.79	0.00	in	
Arm14	6.98	8.13	9.13	9.42	9.81	0.00	in	
Arm15	7.00	8.10	9.05	9.32	9.72	0.00	in	
Arm16	6.96	8.07	9.06	9.34	9.74	0.00	in	
Arm17	6.83	7.89	8.90	9.16	9.55	0.00	in	
Arm18	7.04	6.00	5.08	3.22	1.69	0.00	in	*
Arm19	7.04	8.10	9.07	9.33	9.73	0.00	in	
Arm20	6.94	8.01	9.01	9.27	9.65	0.00	in	
Arm21	6.99	8.03	9.01	9.26	9.65	0.00	in	
Arm22	6.93	7.98	9.00	9.25	9.64	0.00	in	
Arm23	7.01	8.03	9.03	9.27	9.66	0.00	in	
Arm24	7.08	8.10	9.13	9.37	9.78	0.00	in	
Arm25	7.29	8.32	9.32	9.57	9.95	0.00	in	
Arm26	7.19	8.18	9.18	9.41	9.79	0.00	in	
Arm27	7.10	8.08	9.10	9.33	9.72	0.00	in	
Arm28	7.04	8.05	9.09	9.30	9.71	0.00	in	
Arm29	7.09	8.04	9.09	9.32	9.72	0.00	in	
Arm30	6.97	7.96	9.07	9.30	9.73	0.00	in	

* Bad

GOWell 56 Arm Calibration Report

Serial Number:
Tool Model:
Performed:

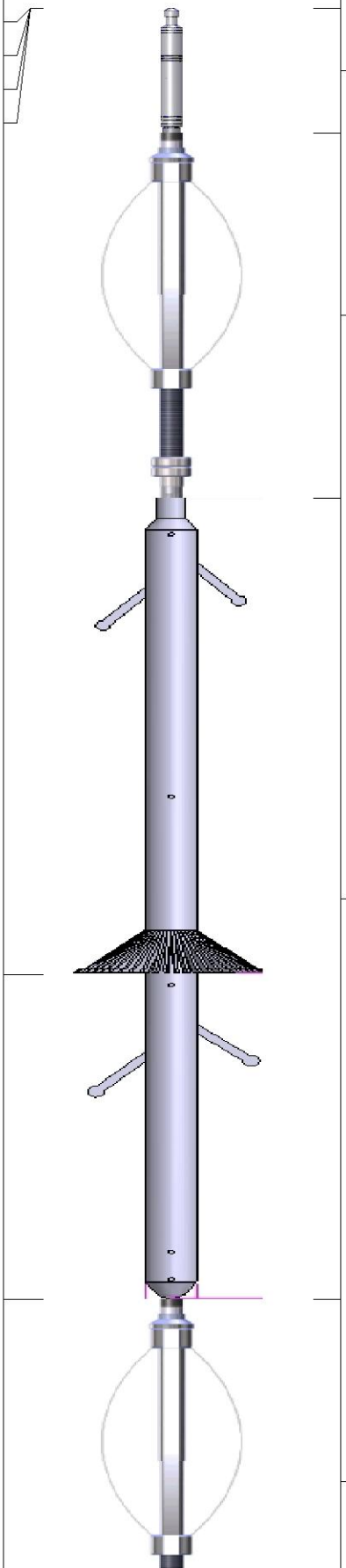
Ref ID:	7.00	8.00	9.00	9.25	9.63	Offset	in
Arm31	7.08	8.03	9.05	9.28	9.65	0.00	in
Arm32	7.05	7.99	9.05	9.28	9.69	0.00	in
Arm33	7.08	8.01	9.07	9.30	9.68	0.00	in
Arm34	7.14	8.07	9.13	9.36	9.76	0.00	in
Arm35	7.19	8.10	9.14	9.36	9.74	0.00	in
Arm36	7.13	8.07	9.17	9.40	9.79	0.00	in
Arm37	7.13	8.05	9.12	9.34	9.73	0.00	in
Arm38	7.12	8.06	9.15	9.37	9.77	0.00	in
Arm39	7.13	8.06	9.12	9.35	9.73	0.00	in
Arm40	7.22	8.18	9.25	9.49	9.88	0.00	in
Arm41	7.15	8.10	9.16	9.39	9.77	0.00	in
Arm42	7.33	8.33	9.39	9.63	10.01	0.00	in
Arm43	7.14	8.11	9.13	9.36	9.73	0.00	in
Arm44	7.18	8.15	9.22	9.46	9.83	0.00	in
Arm45	7.14	8.09	9.14	9.38	9.74	0.00	in
Arm46	7.15	8.14	9.21	9.47	9.85	0.00	in
Arm47	7.25	8.21	9.25	9.49	9.84	0.00	in
Arm48	7.25	8.28	9.36	9.63	10.02	0.00	in
Arm49	7.14	8.13	9.17	9.42	9.78	0.00	in
Arm50	7.22	8.25	9.31	9.57	9.95	0.00	in
Arm51	7.08	8.08	9.11	9.37	9.74	0.00	in
Arm52	7.22	8.27	9.30	9.57	9.96	0.00	in
Arm53	7.13	8.13	9.13	9.40	9.77	0.00	in
Arm54	7.35	8.42	9.43	9.70	10.04	0.00	in
Arm55	6.95	7.95	8.95	9.25	9.60	0.00	in
Arm56	7.28	8.34	9.36	9.64	10.01	0.00	in
Arm57							in
Arm58							in
Arm59							in
Arm60							in

* Bad

GOWell 56 Arm Verification Report

	Pre Verification	Post Verification	Casing Check	
Performed:	Tue Mar 17 11:46:09 2015	Tue Mar 17 16:09:48 2015		
Ref ID:	9.00	9.00	0.00	in
Min.	8.99	8.99	0.00	in
Max.	9.00	9.07	0.00	in
Avg.	9.00	9.00	0.00	in
Dia1	9.00	8.99	0.00	in
Dia2	8.99	9.01	0.00	in
Dia3	9.00	8.99	0.00	in
Dia4	9.00	9.07	0.00	in
Dia5	9.00	9.00	0.00	in
Dia6	9.00	9.00	0.00	in
Dia7	9.00	9.00	0.00	in
Dia8	9.00	9.00	0.00	in
Dia9	9.00	9.00	0.00	in
Dia10	8.99	9.00	0.00	in
Dia11	9.00	9.00	0.00	in
Dia12	9.00	9.00	0.00	in
Dia13	9.00	9.00	0.00	in
Dia14	9.00	9.03	0.00	in
Dia15	9.00	9.00	0.00	in
Dia16	8.99	9.00	0.00	in
Dia17	9.00	9.01	0.00	in
Dia18	9.00	9.00	0.00	in
Dia19	8.99	9.00	0.00	in
Dia20	9.00	9.00	0.00	in
Dia21	9.00	9.00	0.00	in
Dia22	9.00	9.00	0.00	in

Dia23	9.00	9.00	0.00	in
Dia24	9.00	9.00	0.00	in
Dia25	9.00	9.00	0.00	in
Dia26	8.99	9.00	0.00	in
Dia27	9.00	9.00	0.00	in
Dia28	8.99	8.99	0.00	in

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb
BPRES	13.61		CHD-STNDRD Standard Cable Head	1.03	1.45	10.00
PPRES	13.61					
TOTBBL	13.61					
PRATE	13.61					
			CENT-3' In-Line 2. 3/4" Probe In-Line Standard GOI Centralizer	3.00	2.75	30.00
			XIPEMAC-56 (10111) Hotwell 56 Arm caliper	6.58	3.50	100.00
Meas	5.67					
Aux1	3.00		CENT-3' In-Line 2. 3/4" Probe In-Line Standard GOI Centralizer	3.00	2.75	30.00

Dataset:	porter_50c_ical2.db: field/well/run1/pass2
Total length:	13.61 ft
Total weight:	170.00 lb
O.D.:	3.50 in

BAKER HUGHES

Company	SOUTHERN CALIFORNIA GAS COMPANY
Well	PORTER 50C
Field	ALISO CANYON
County	LOS ANGELES
State	CALIFORNIA