56 ARM IMAGING CALIPER LOG

Company	SOUTHERN CALIFORNIA GAS COMPANY
Well	PORTER 68B
Field	ALISO CANYON
County	LOS ANGELES
State	CALIFORNIA

Company SOUTHERN CALIFORNIA GAS COMPANY
Well PORTER 68B
Field ALISO CANYON
County LOS ANGELES
State CALIFORNIA

Location: API # : 04-037-24136

SEC 28 TWP 3N RGE 16W

Other Services: HRVRT

Permanent Datum	GL	Elevation	2077.0
Log Measured From	KB		
Drilling Measured From	KB		

Elevation
K.B. 2100.5
D.F. 2099.5
G.L. 2077.0

Date	04/14/2016
Run Number	2
Service Order	US106873
Depth Driller	6626.0
Depth Logger	6603.0
Bottom Logged Interval	6598.0
Top Log Interval	0.0
Type Fluid	KCL
Density / Viscosity	8.6
Max. Recorded Temp.	158
Estimated Cement Top	
Time Well Ready	11:00
Time Logger on Bottom	12:00
Equipment Number	4243
Location	OKLAHOMA CITY ,OK
Recorded By	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	13.375	54.5	0.0	799.0
Prot. String	9.625	47.0	0.0	6800.0
Production String				
Liner				

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In making interpretations of logs, our employees will give the customer the benefit of their best judgement. But since all interpretations 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 SLB USIT LOG DATED 04-13-2016
CONFIRMED ON DEPTH BY TOM MCMAHON
LOGGING SPEED 30 FT/MIN
ABNORMALITIES REPEATED AT THE FOLLOWING INTERVALS:
6200-6100
5800-5250
3500-3400
1850-1750
1450-550

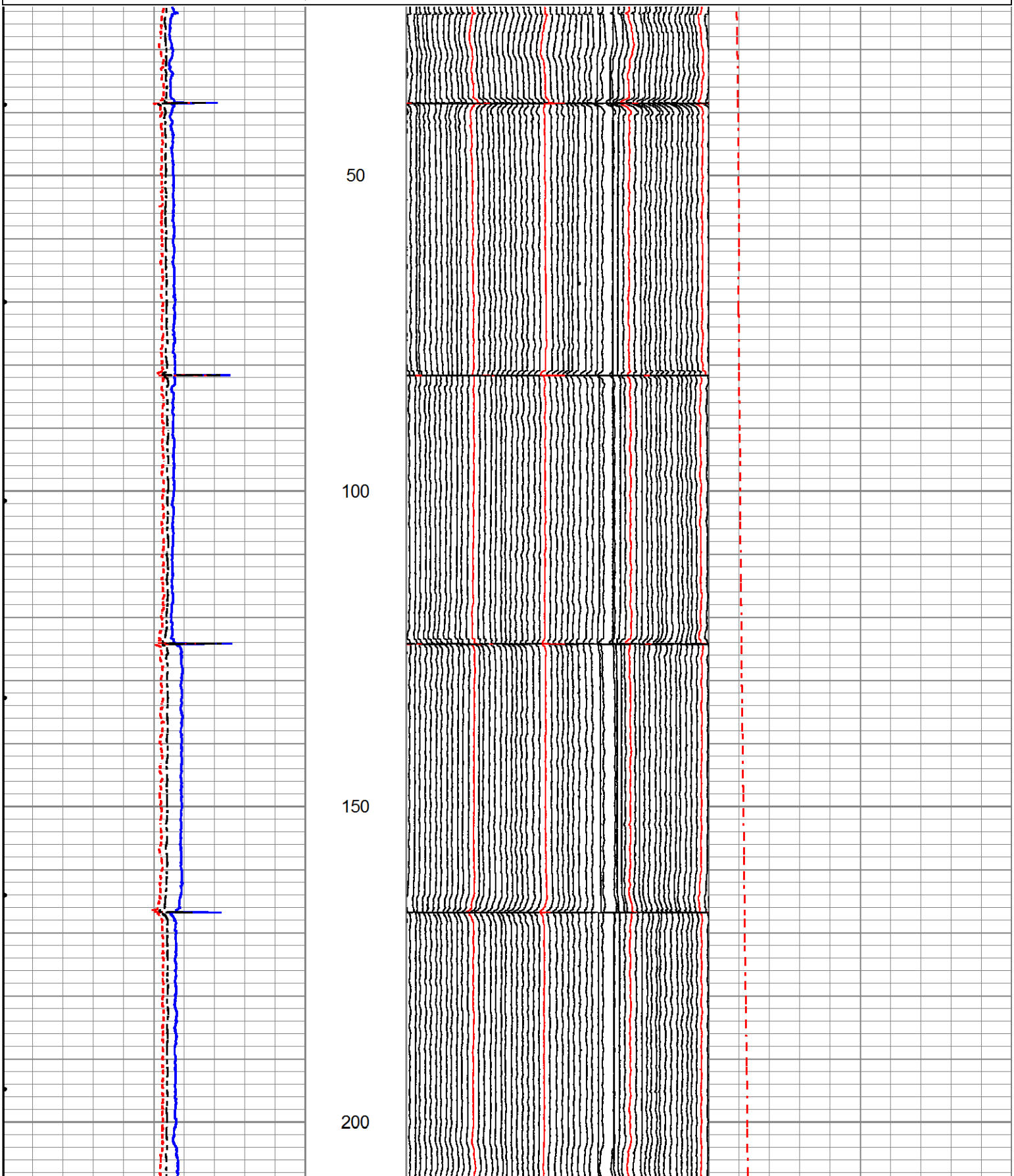
MAIN PASS

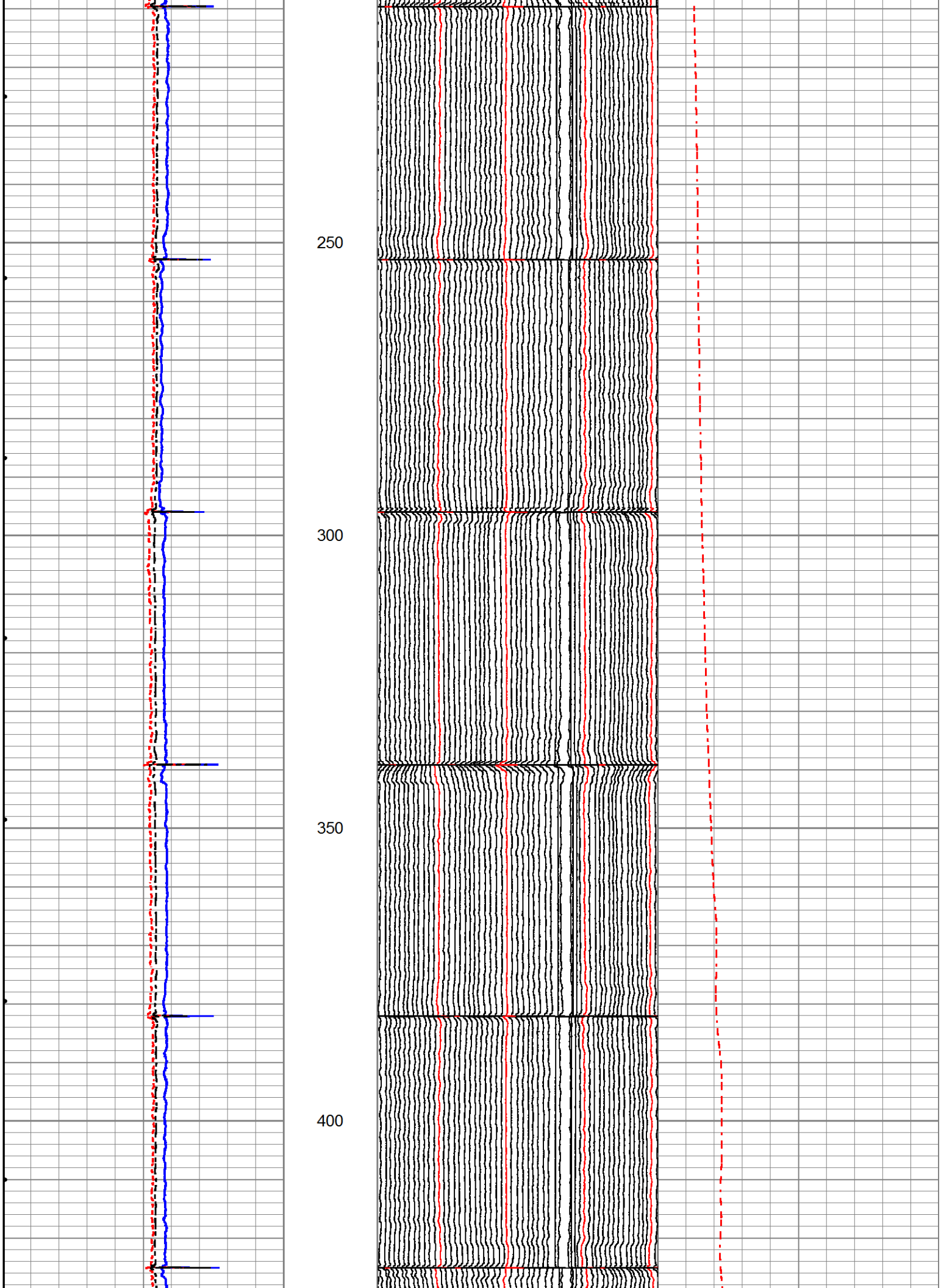
Database File	c:\welldata\shop\106873_socal_p68b\porter_68b.db
Dataset Pathname	pass2
Presentation Format	56_958_47
Dataset Creation	Thu Apr 14 12:11:07 2016
Charted by	Depth in Feet scaled 1:240

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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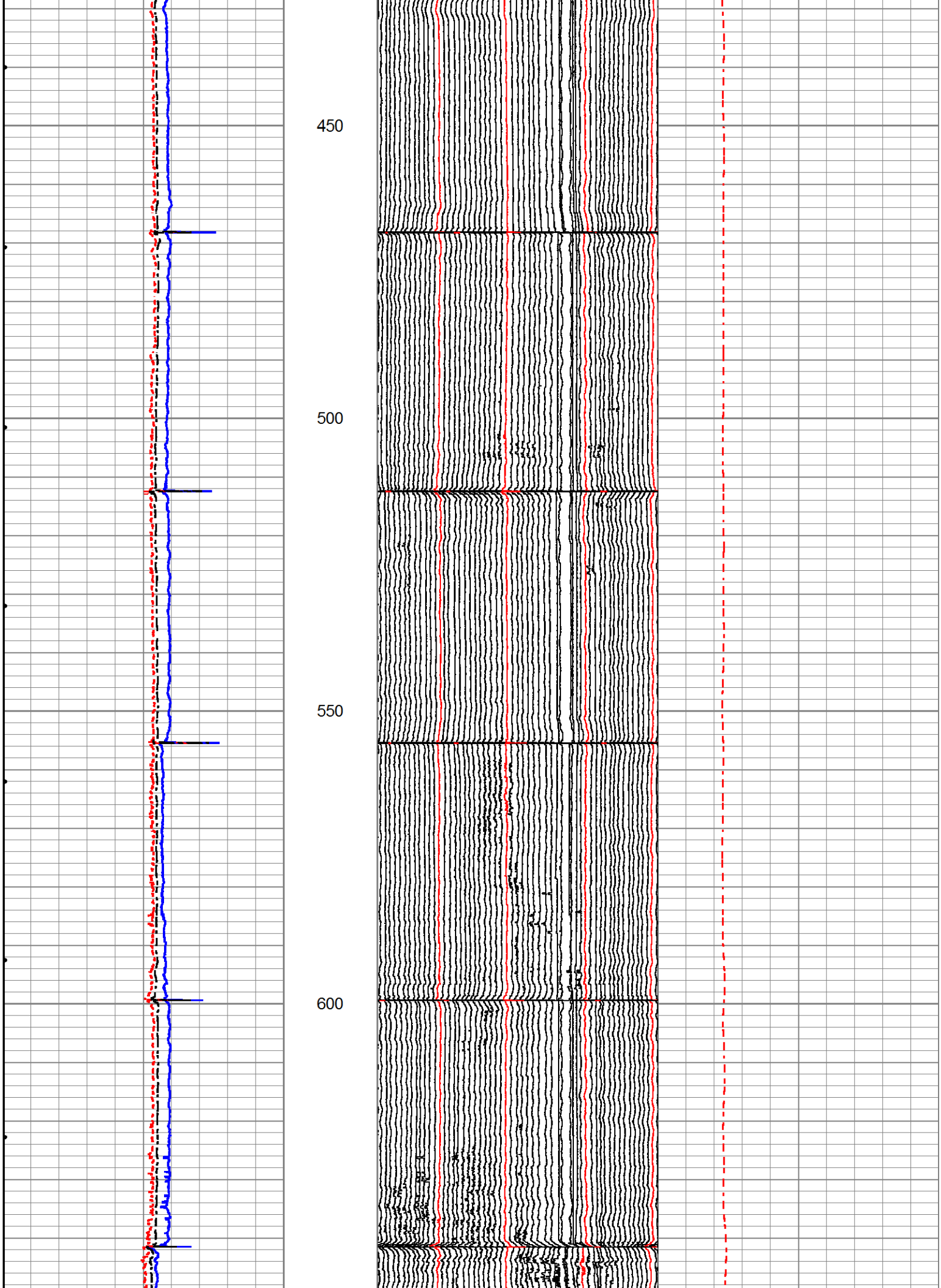
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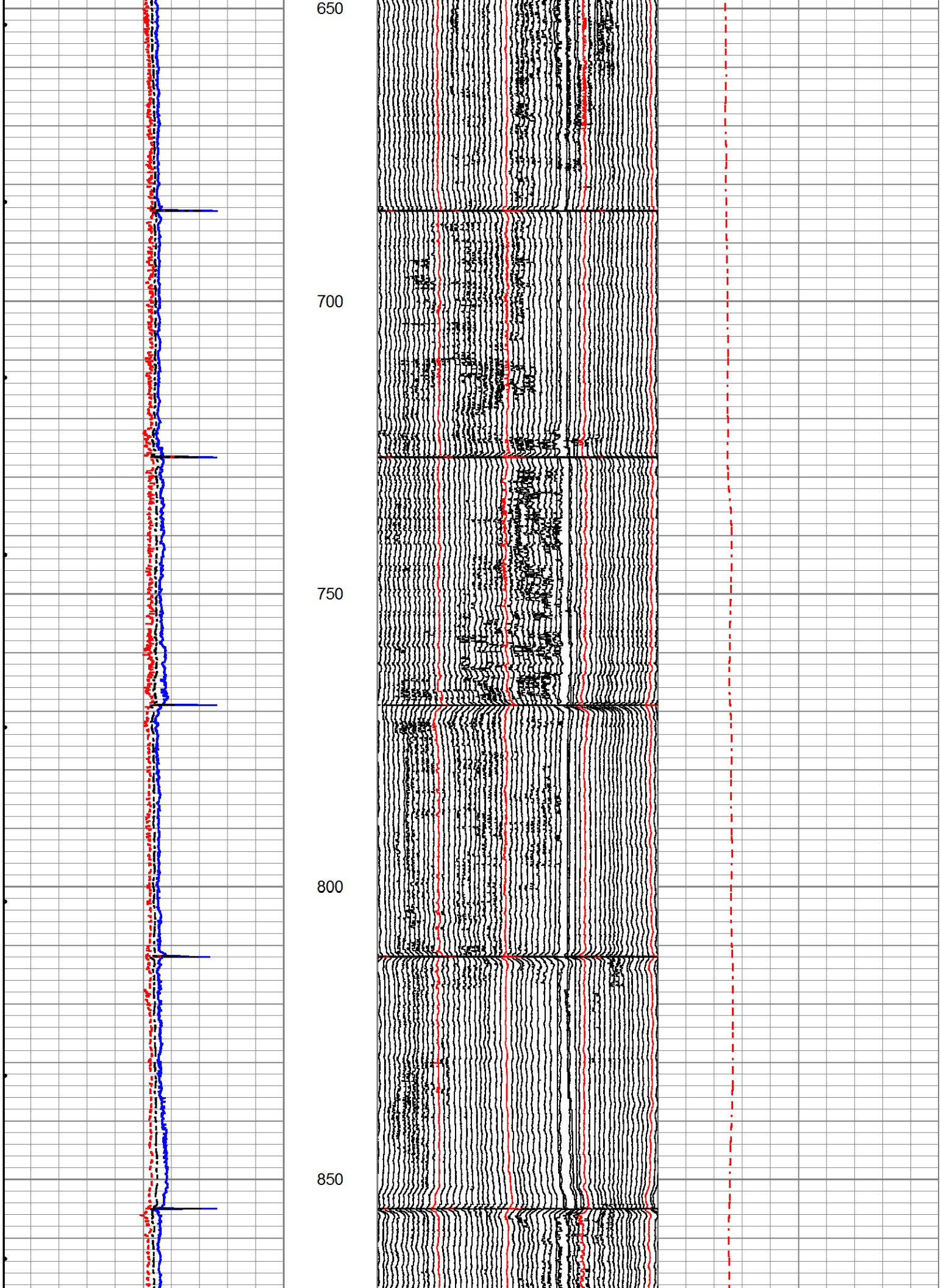
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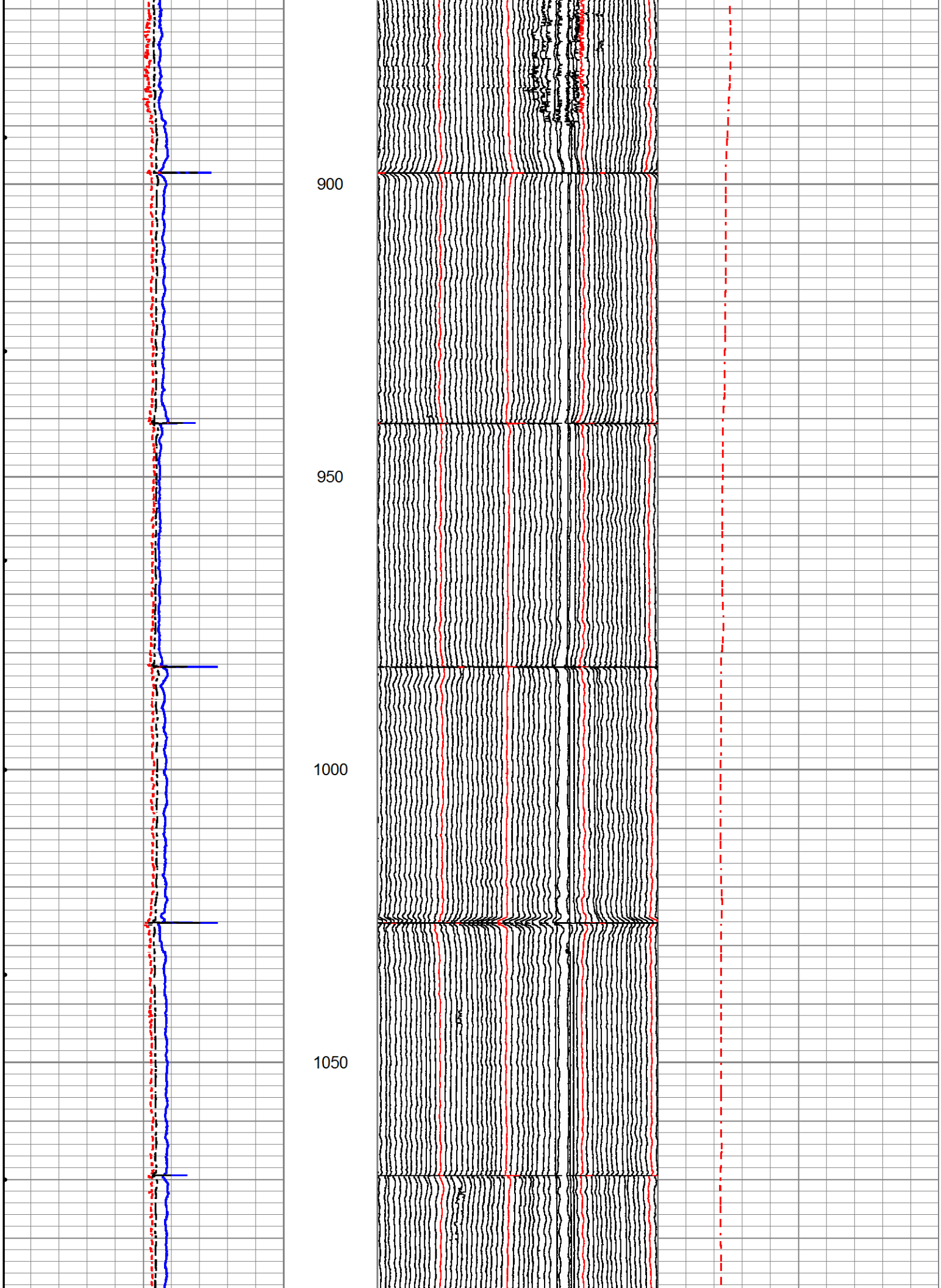
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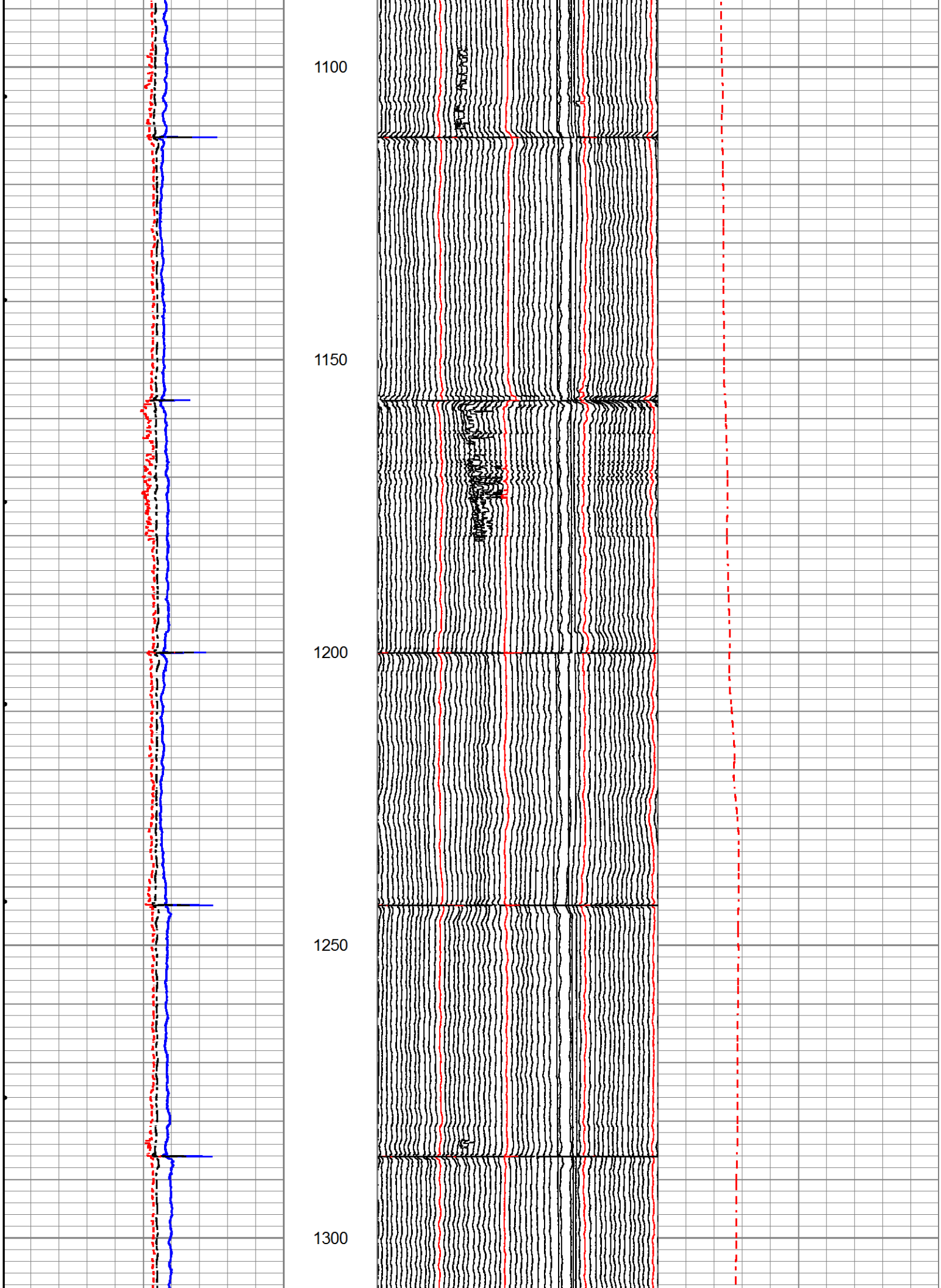
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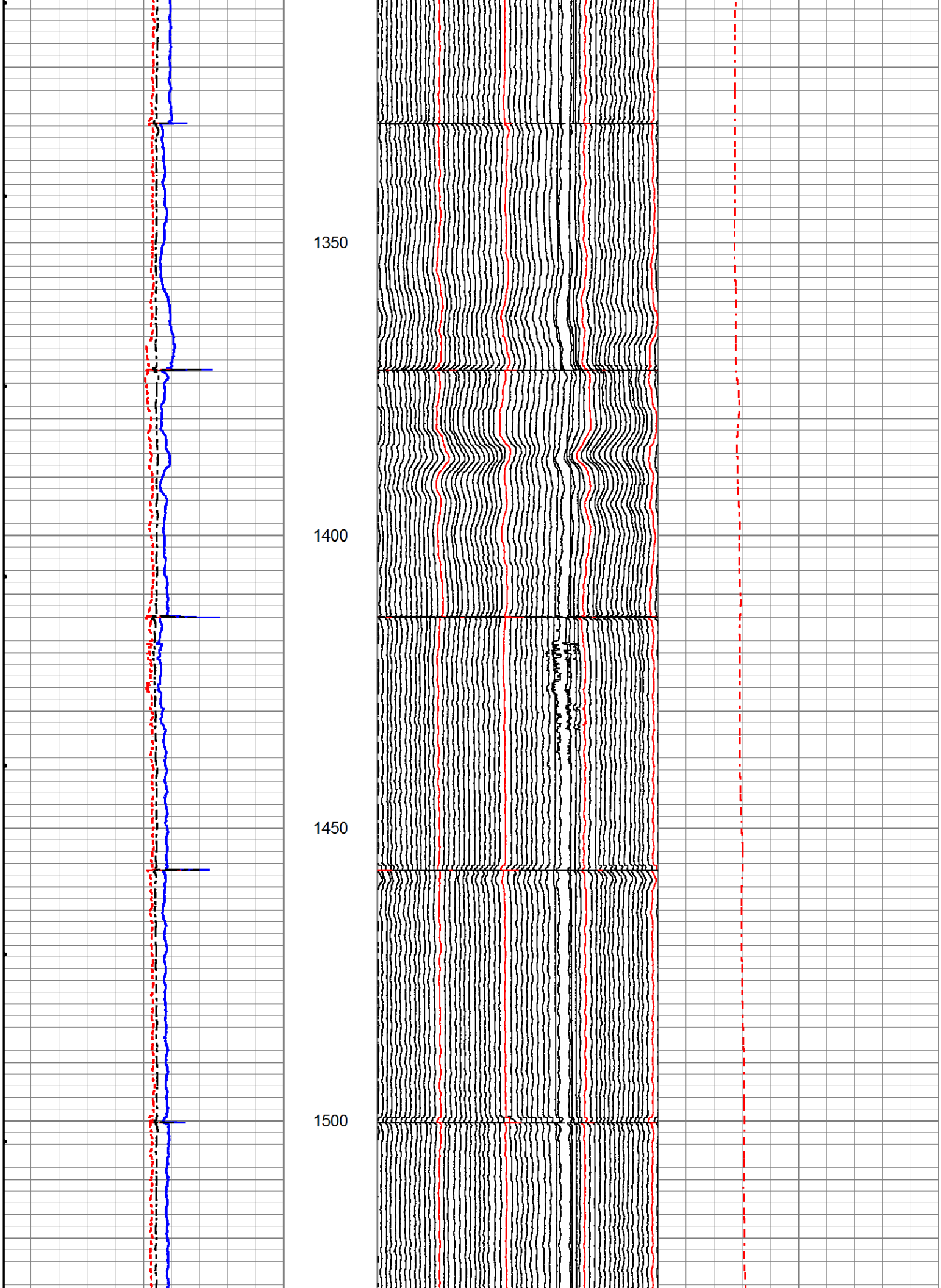
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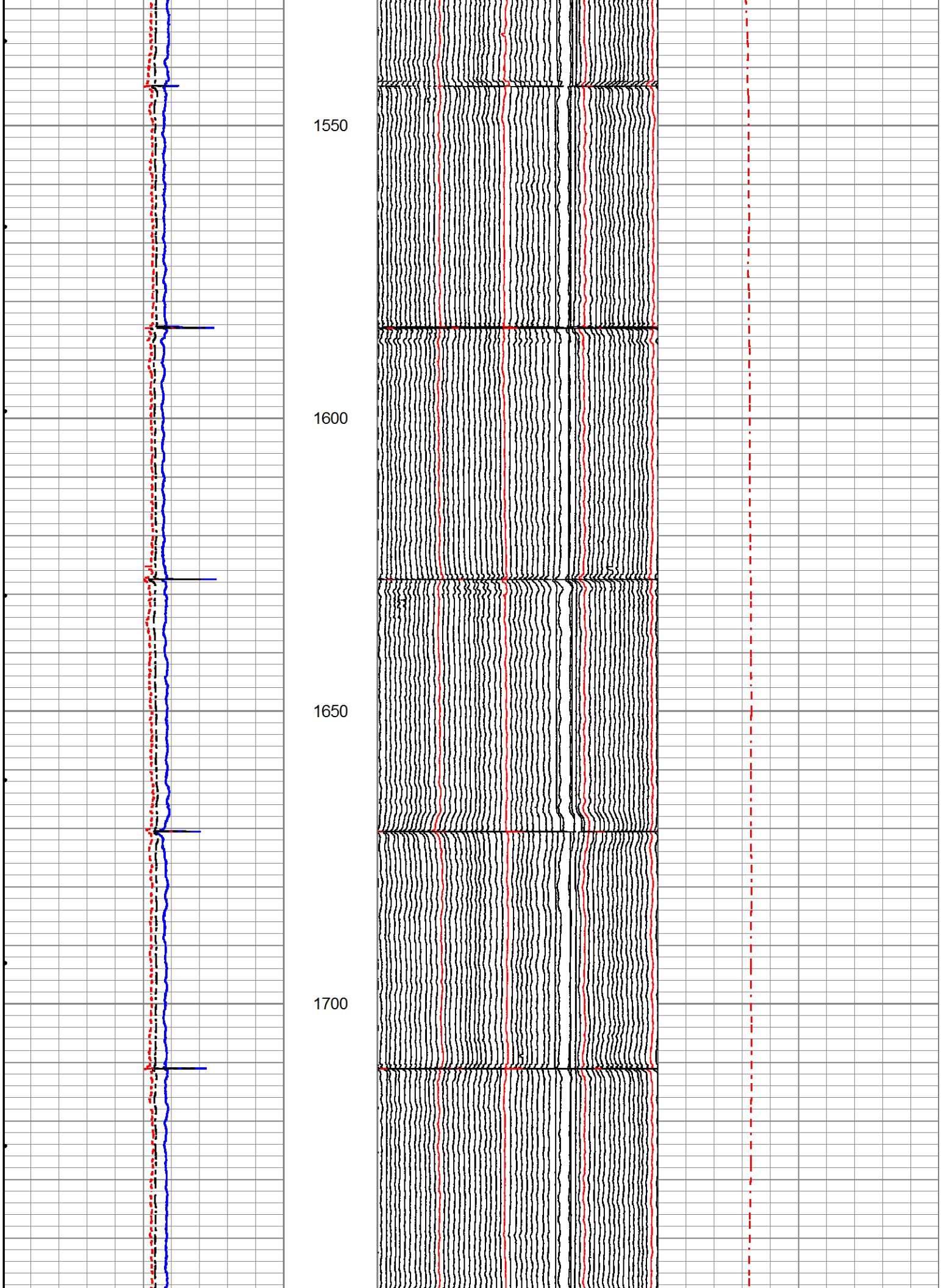
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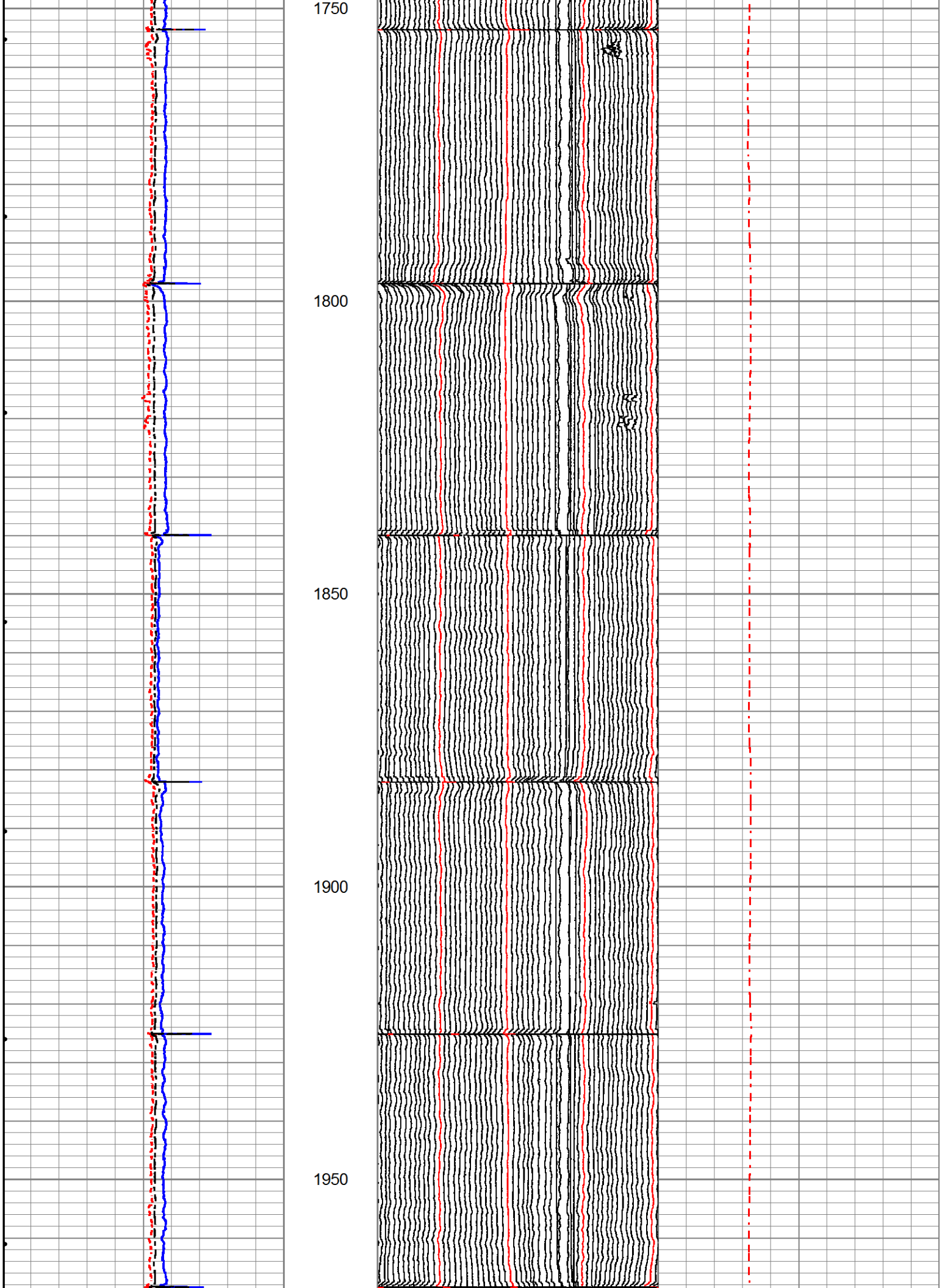
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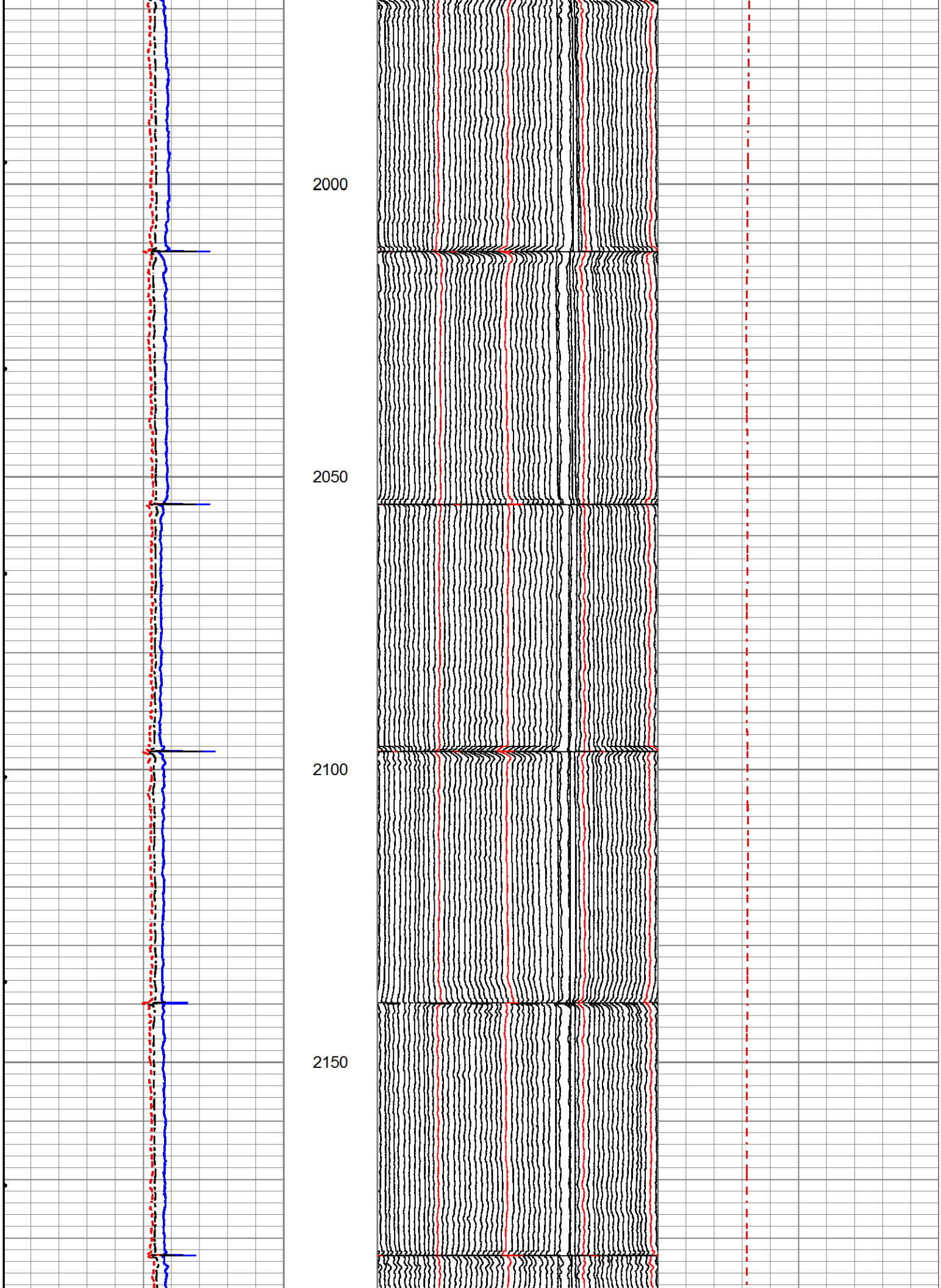
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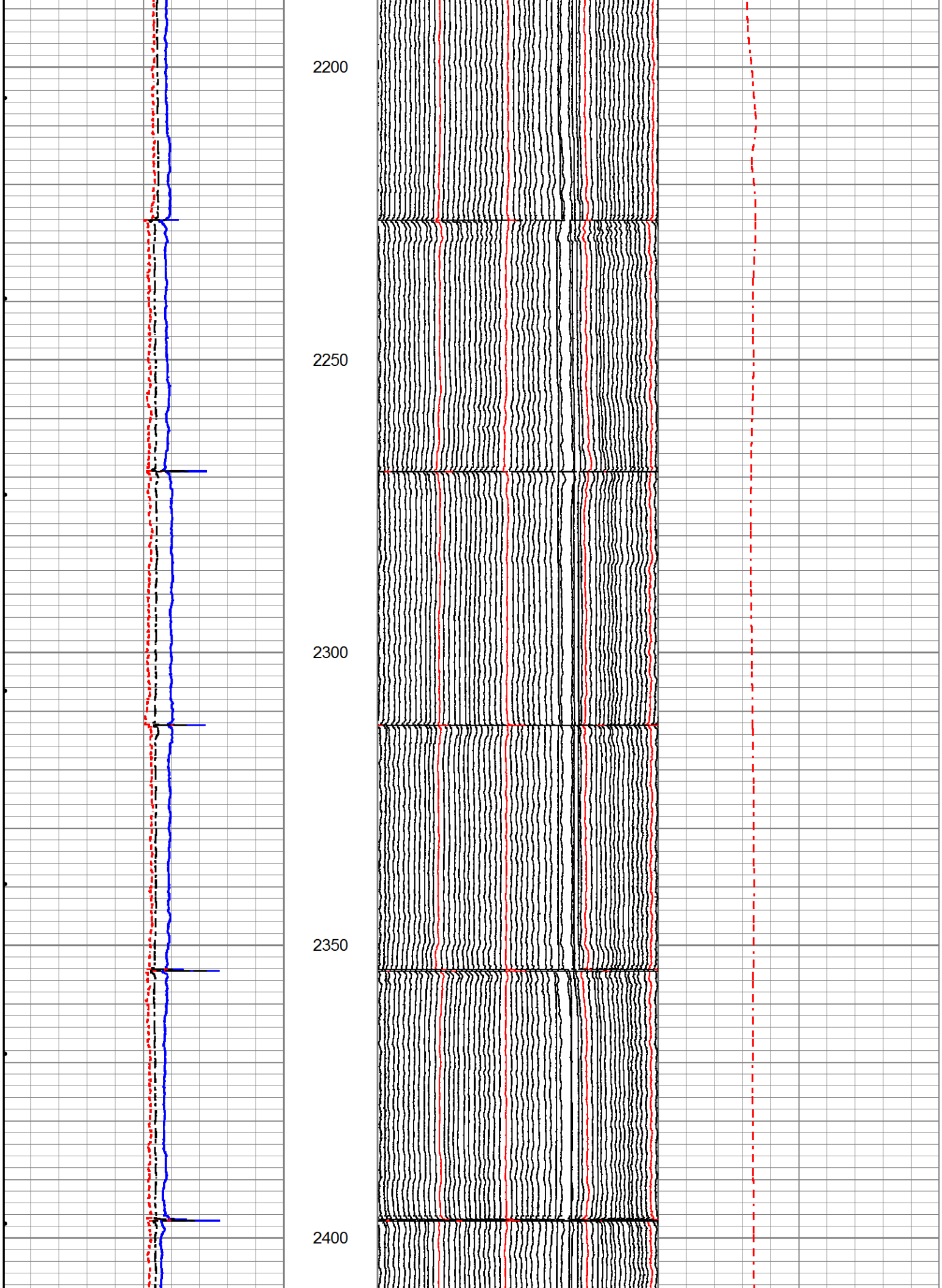
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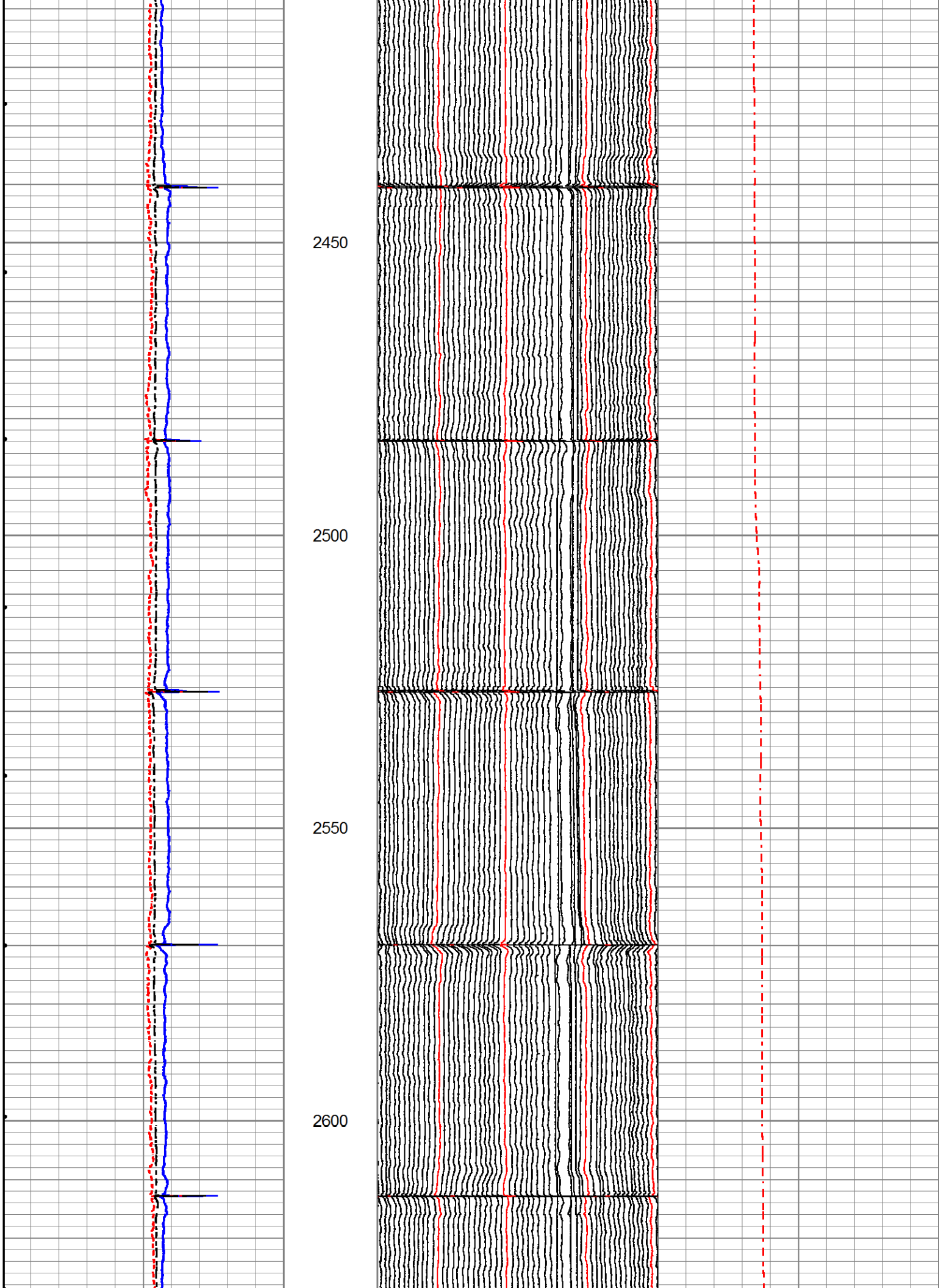
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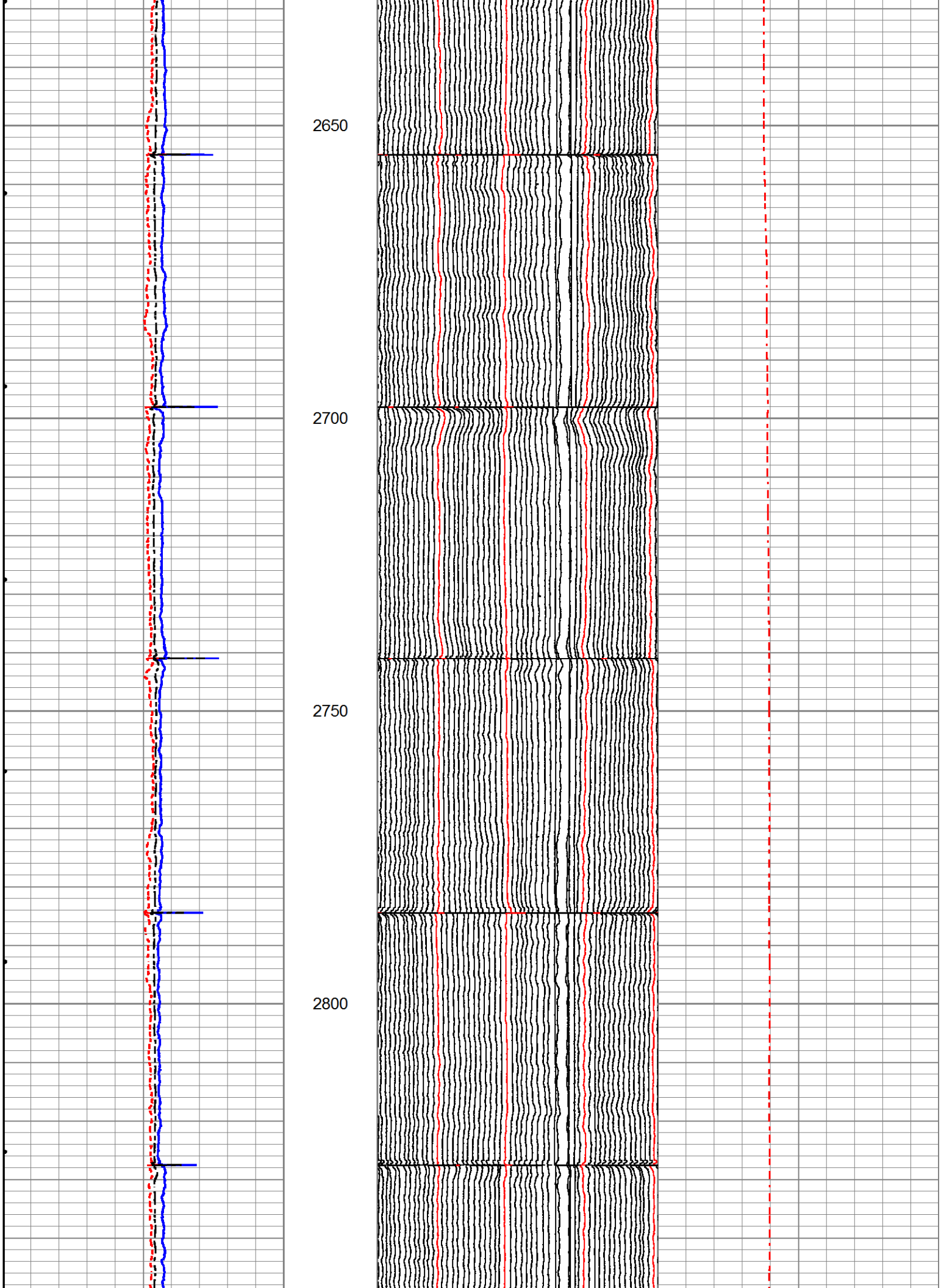
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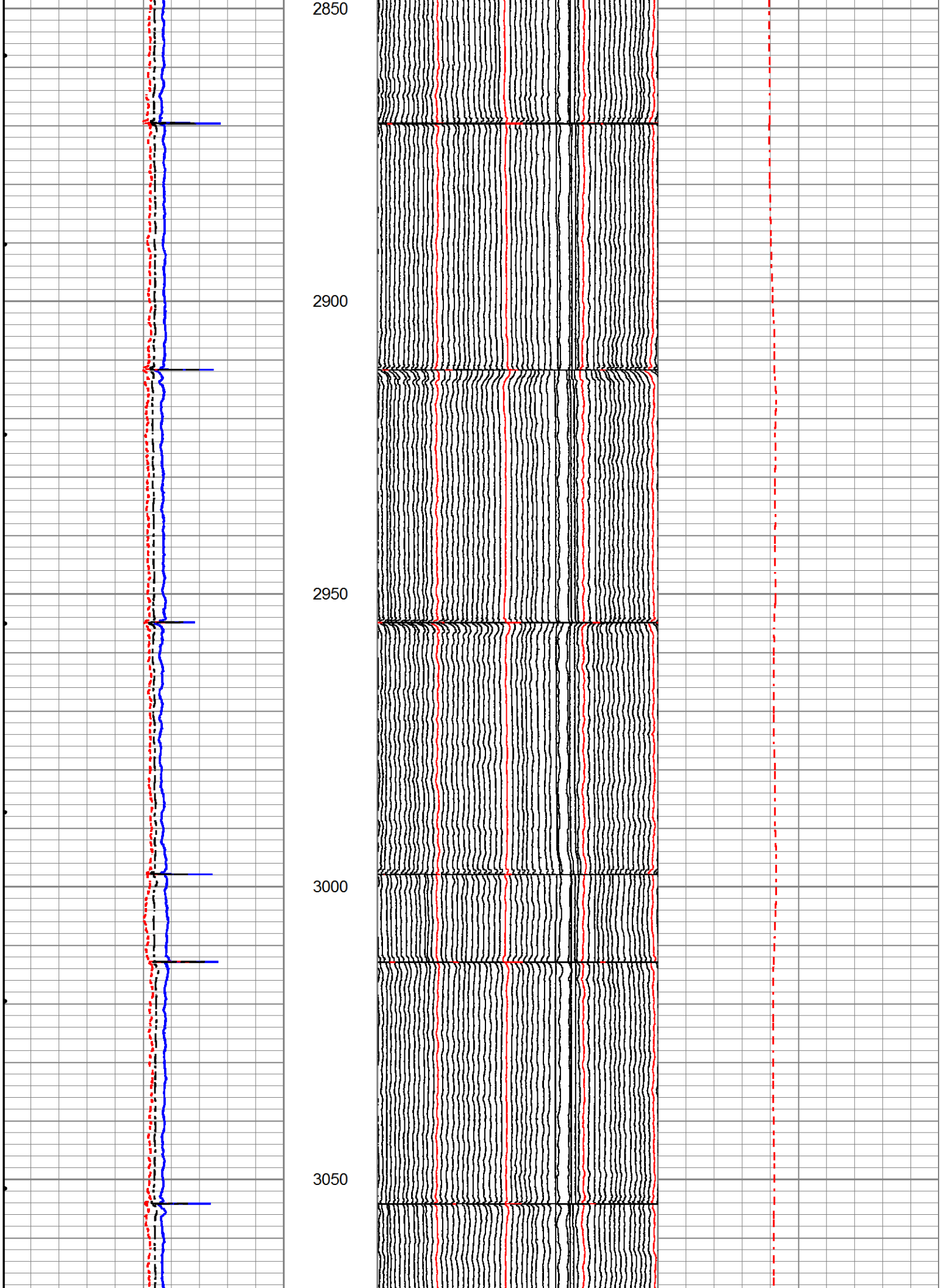
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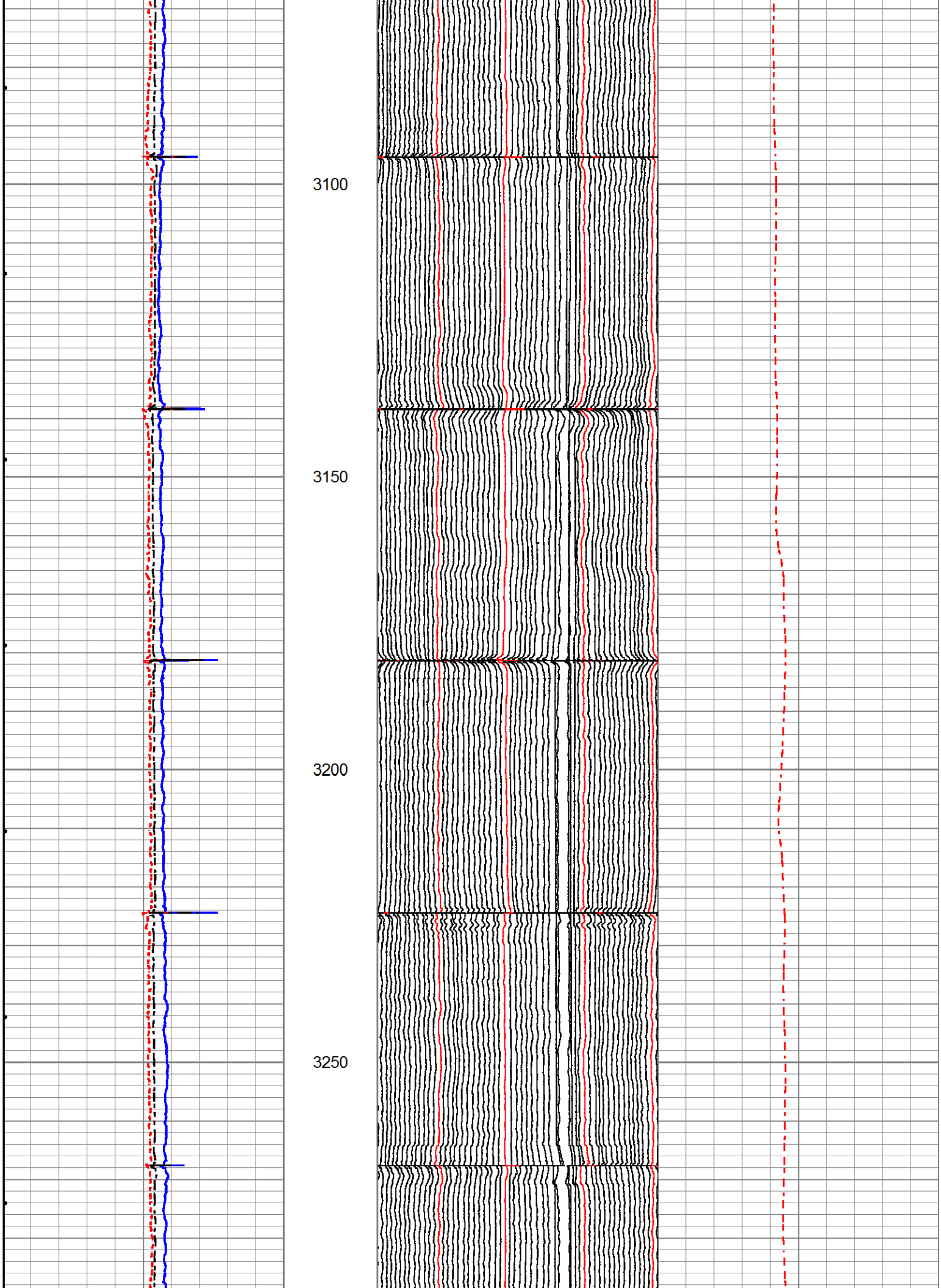
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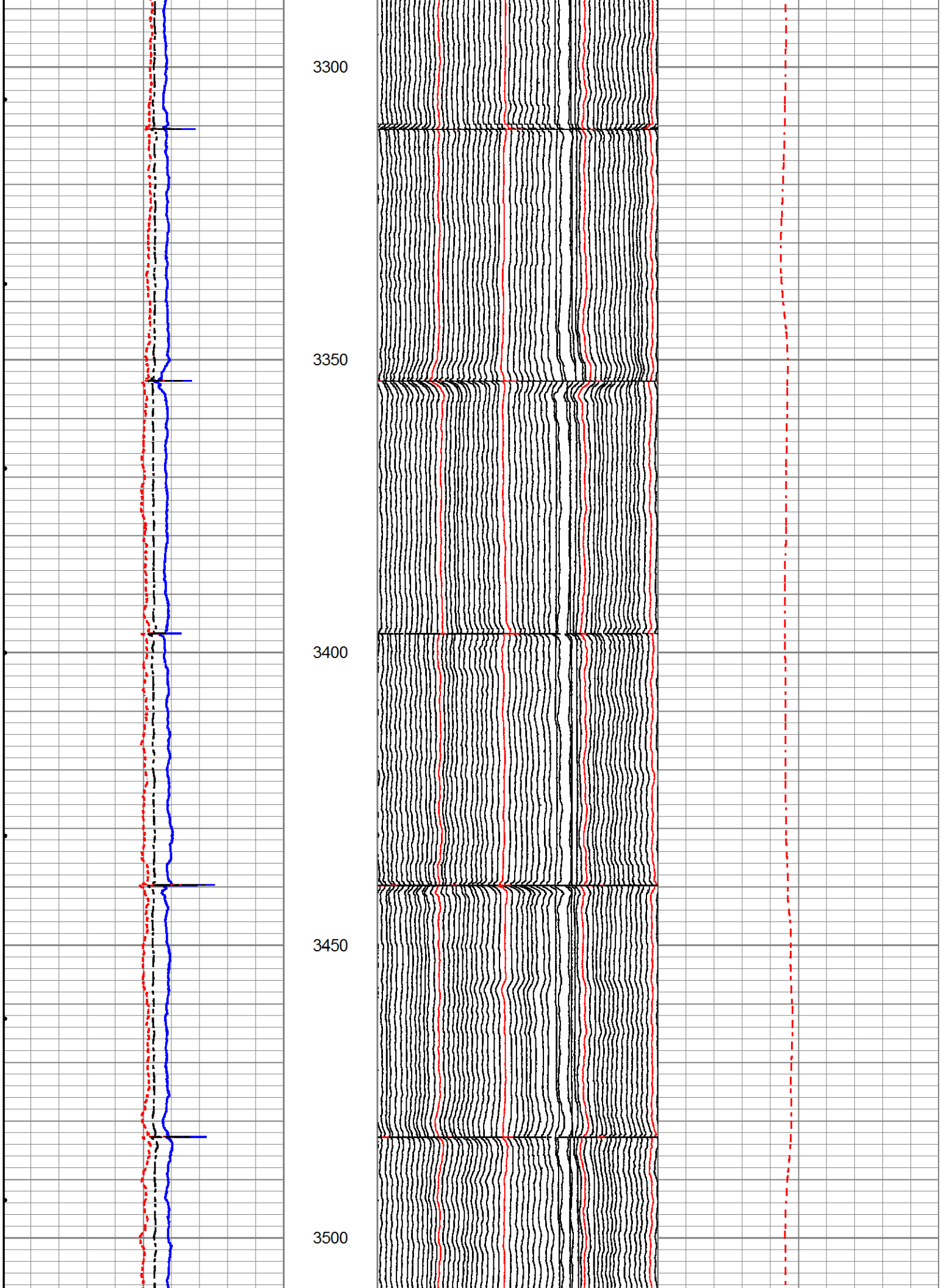
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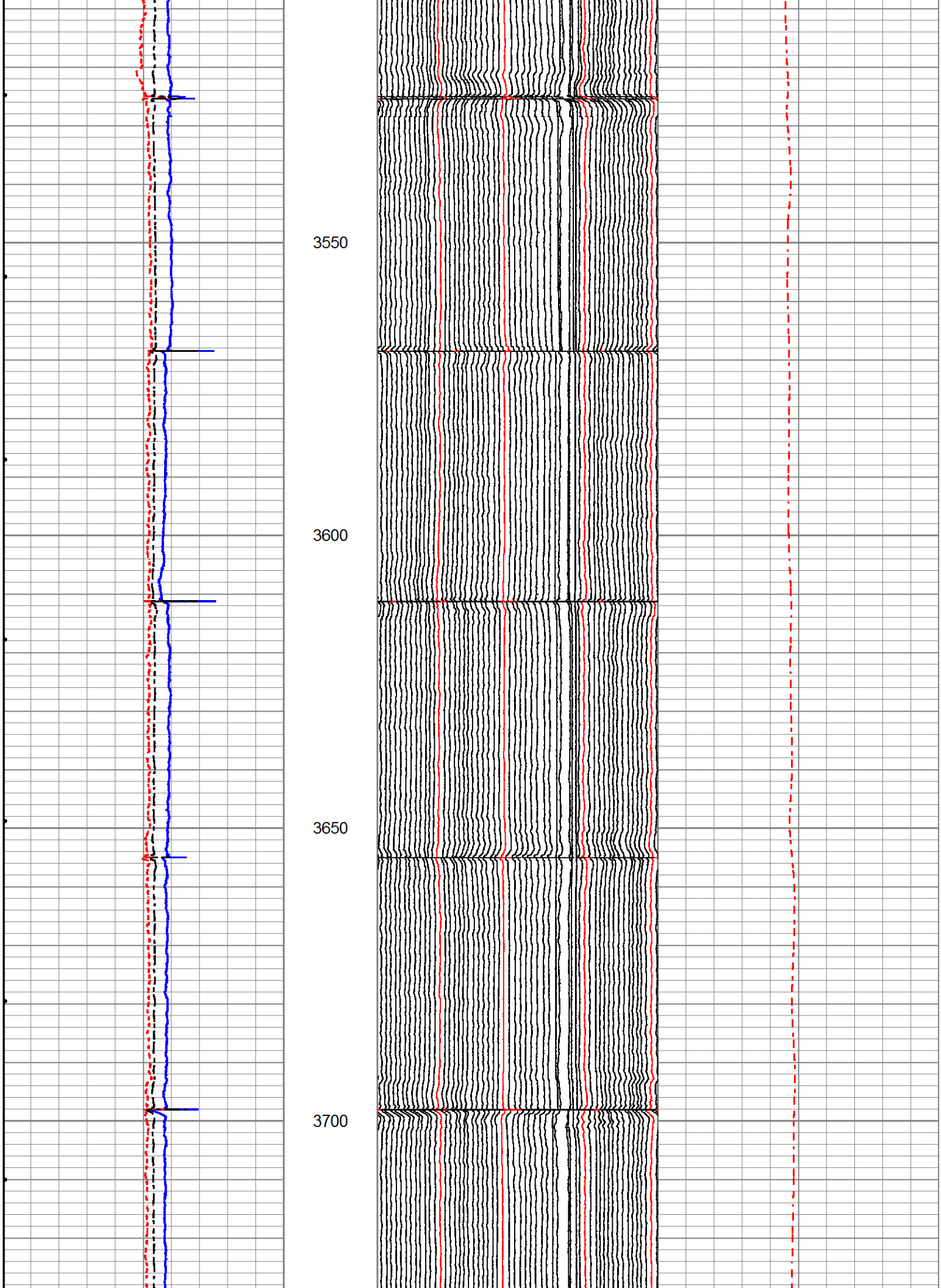
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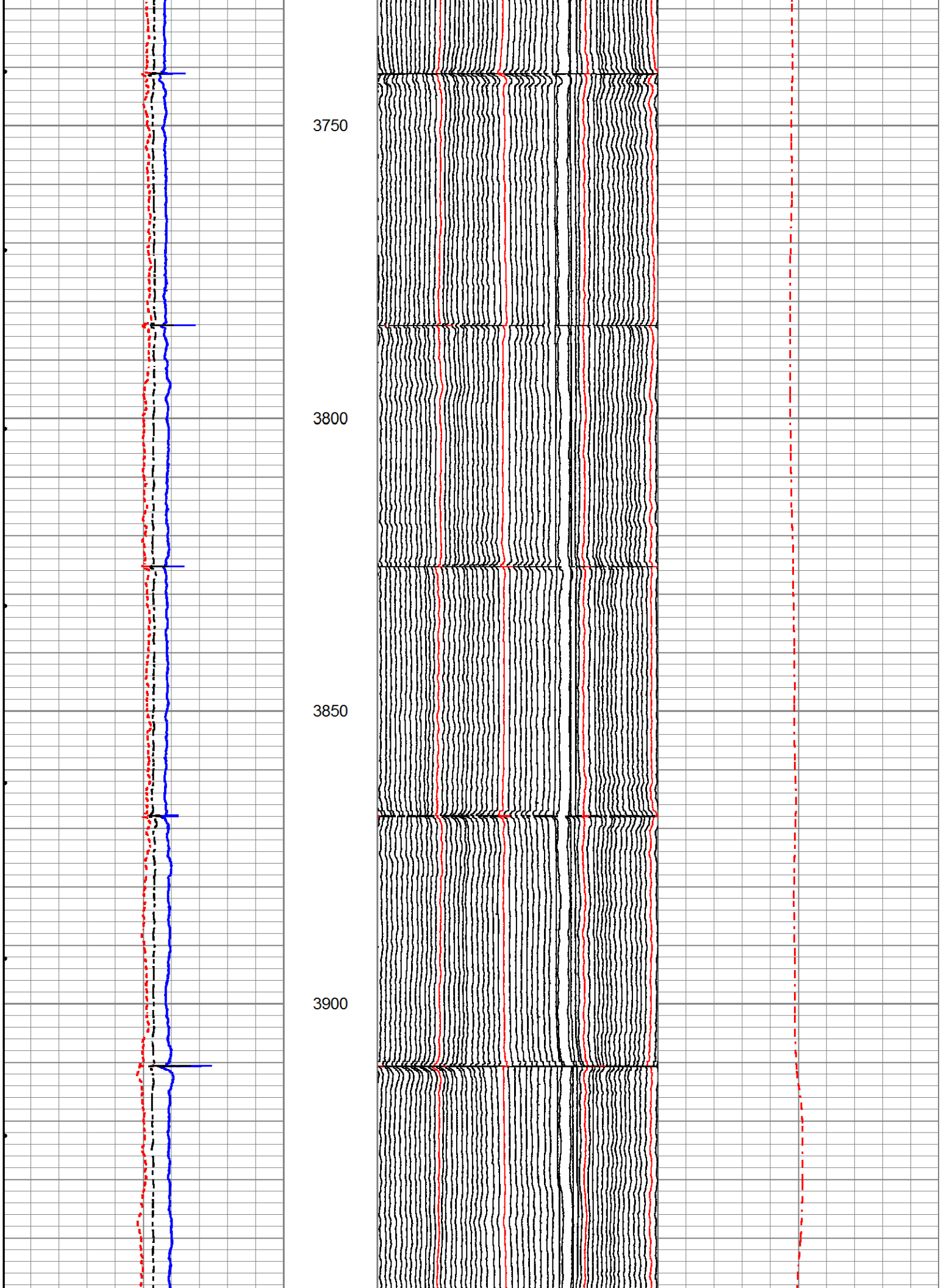
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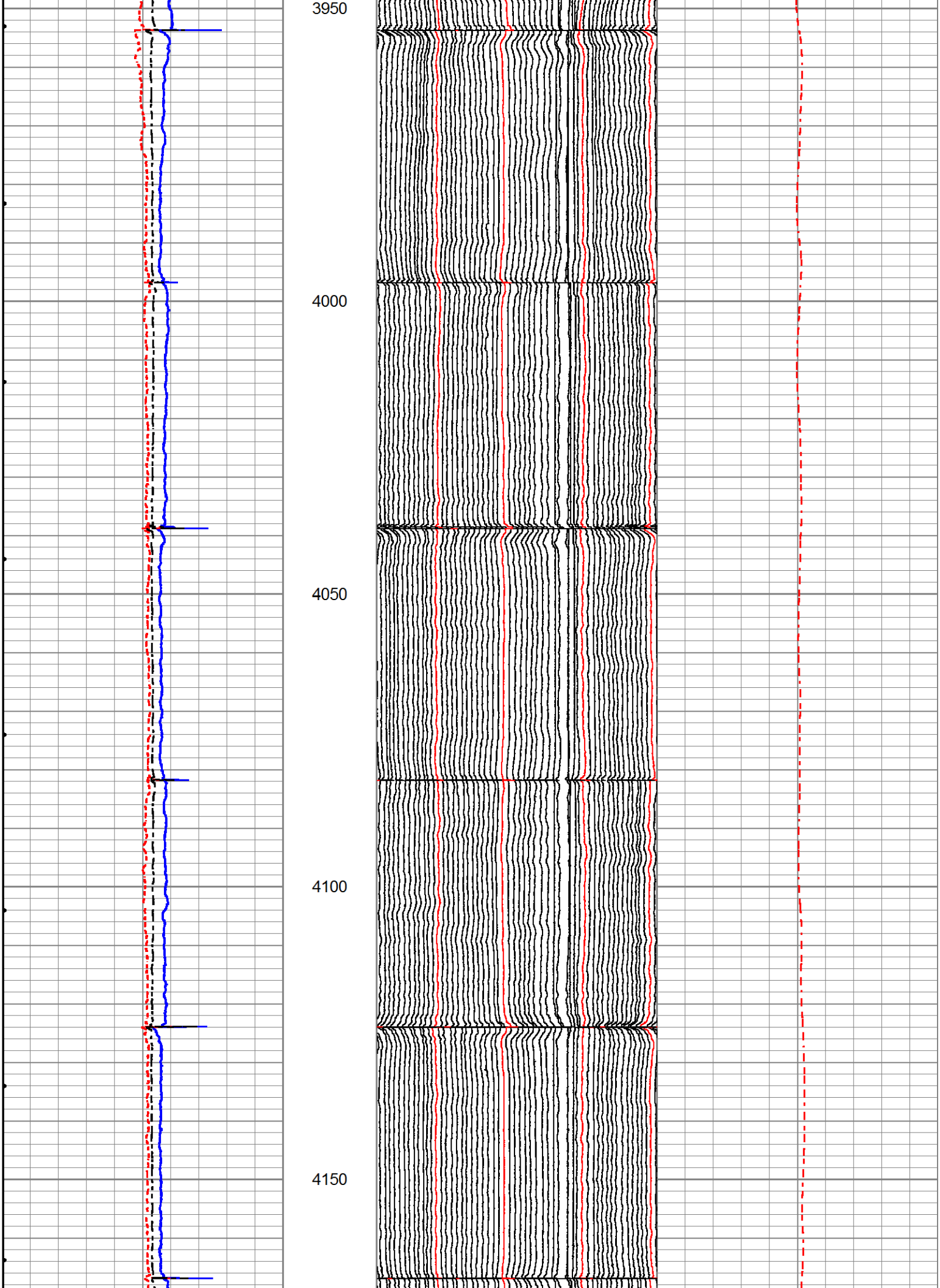
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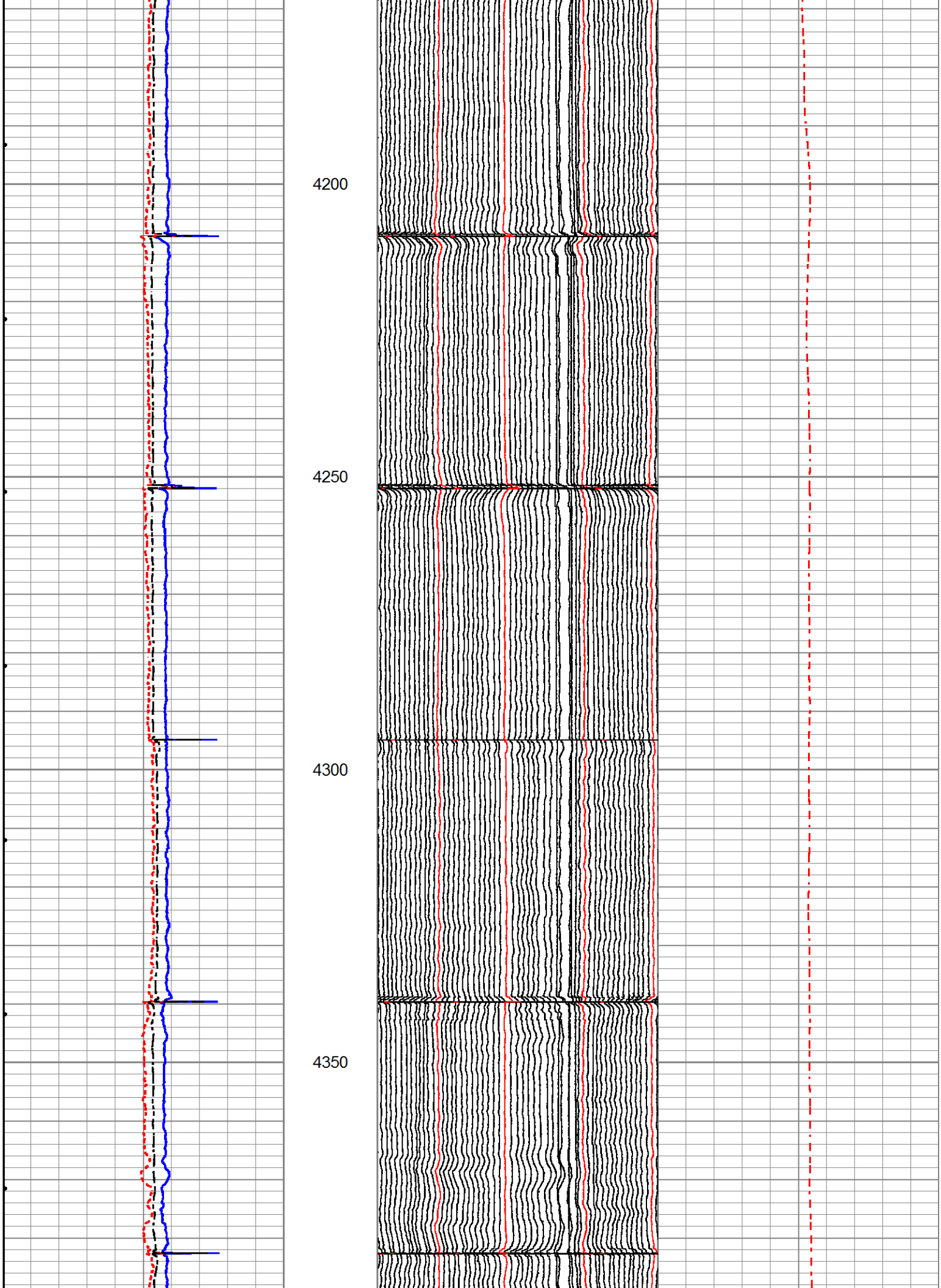
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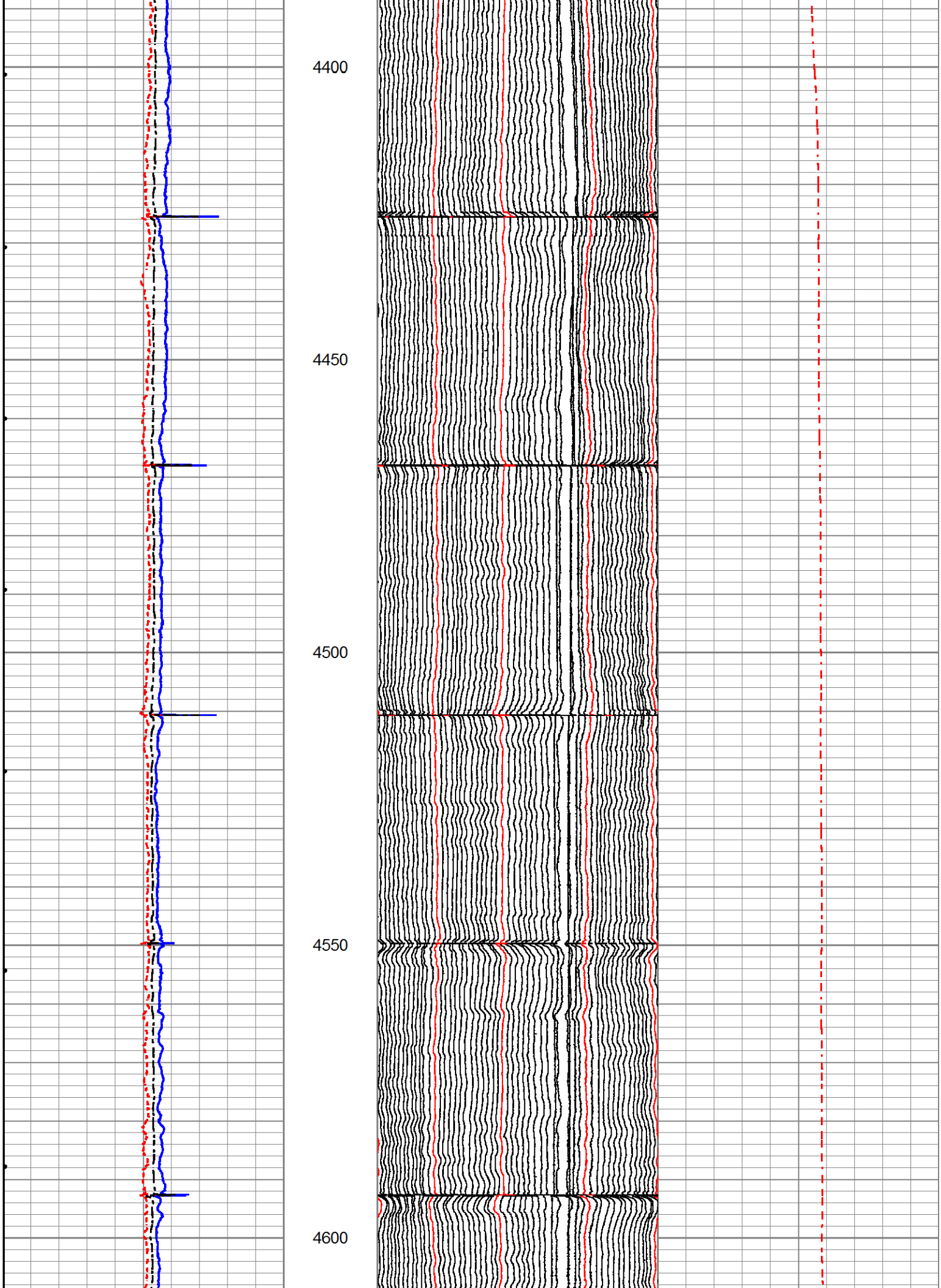
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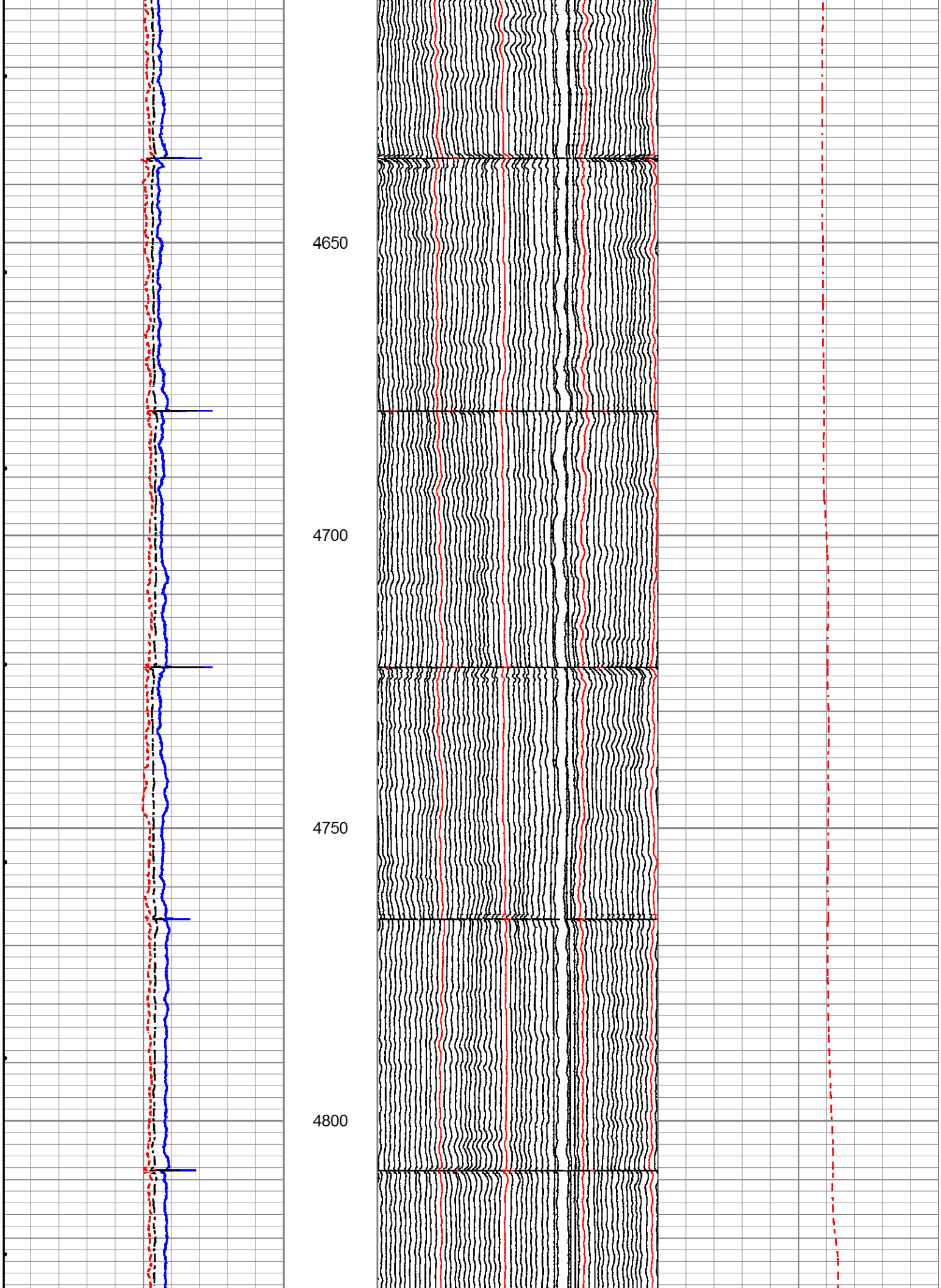
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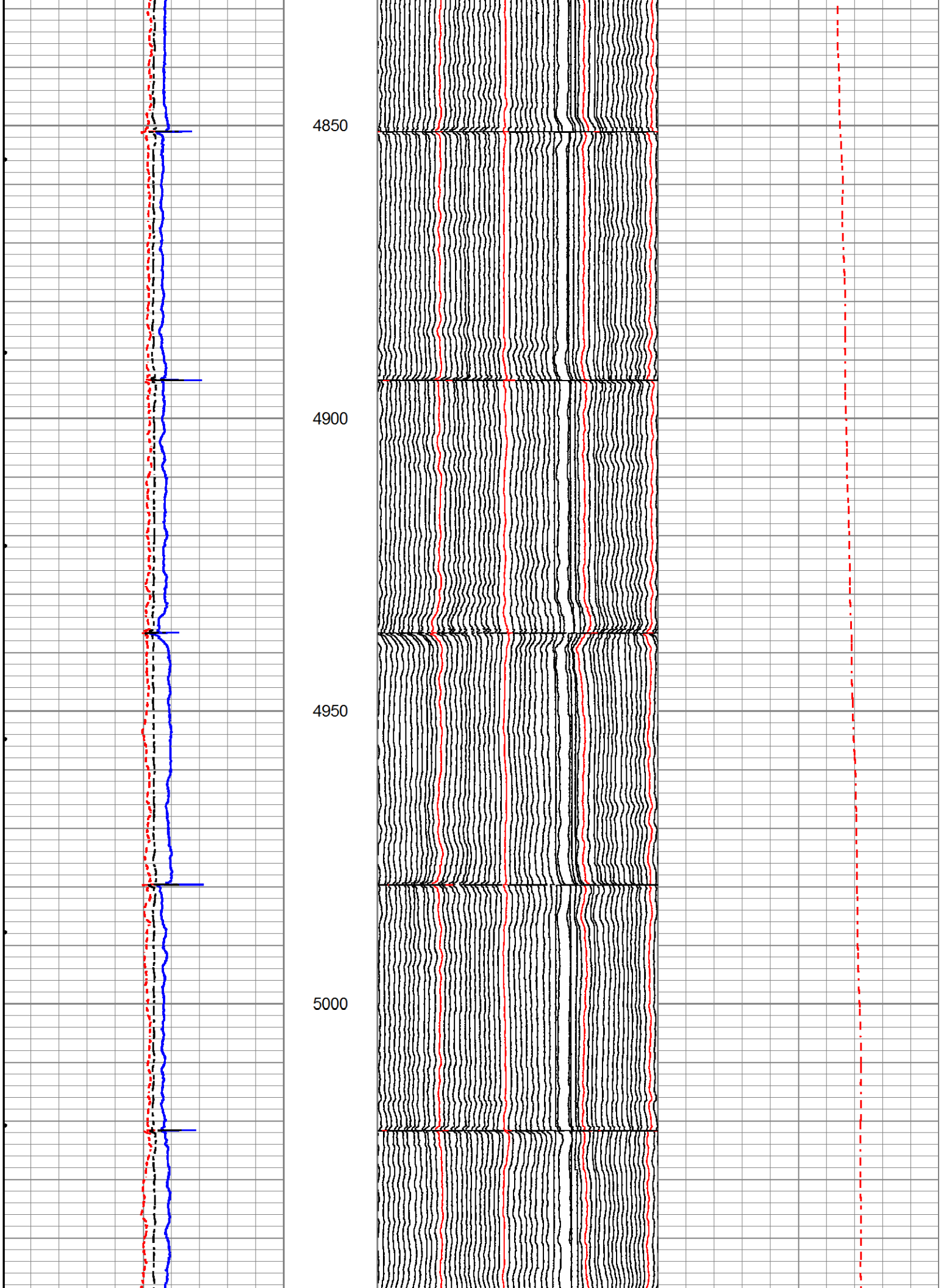
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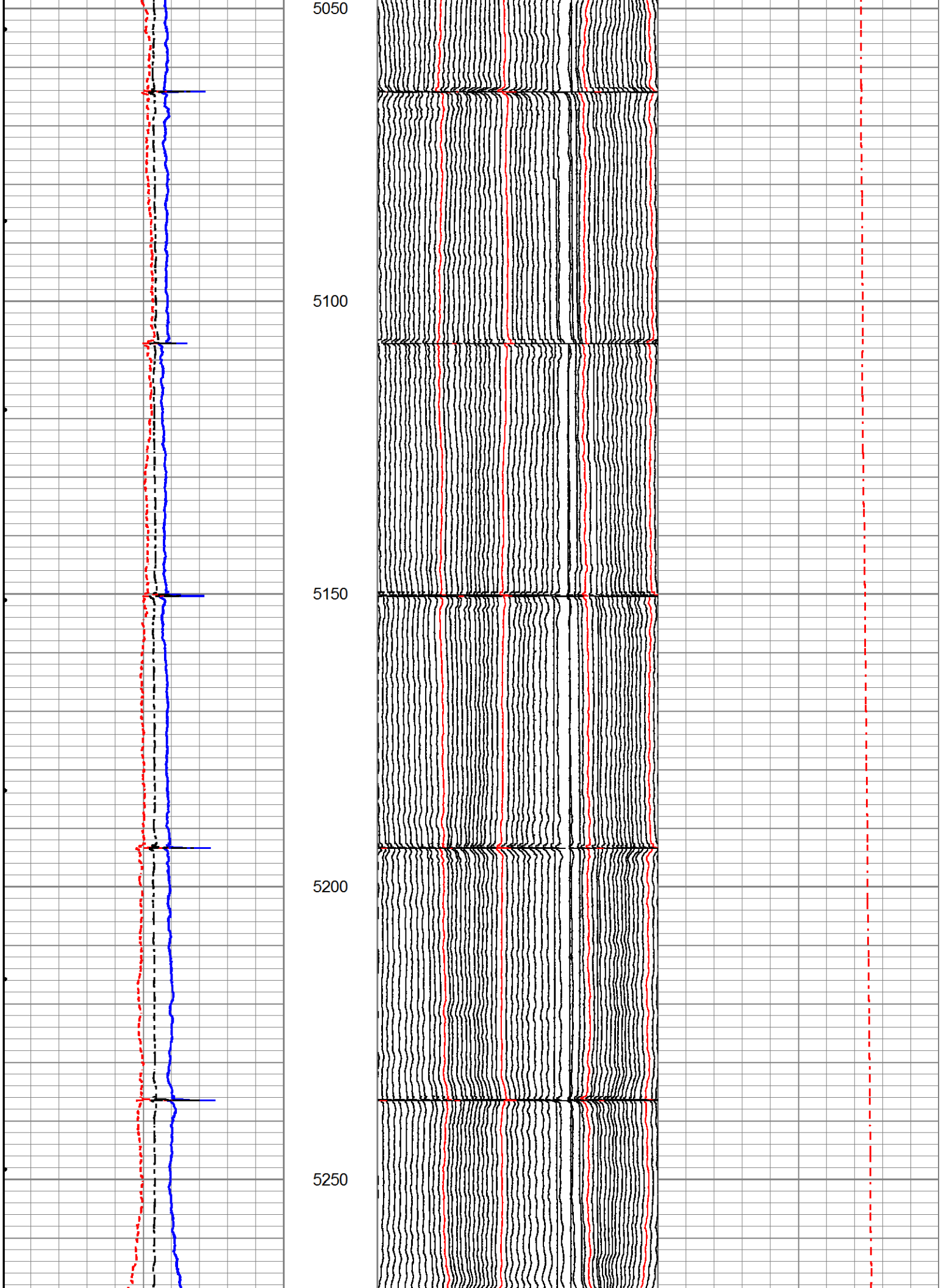
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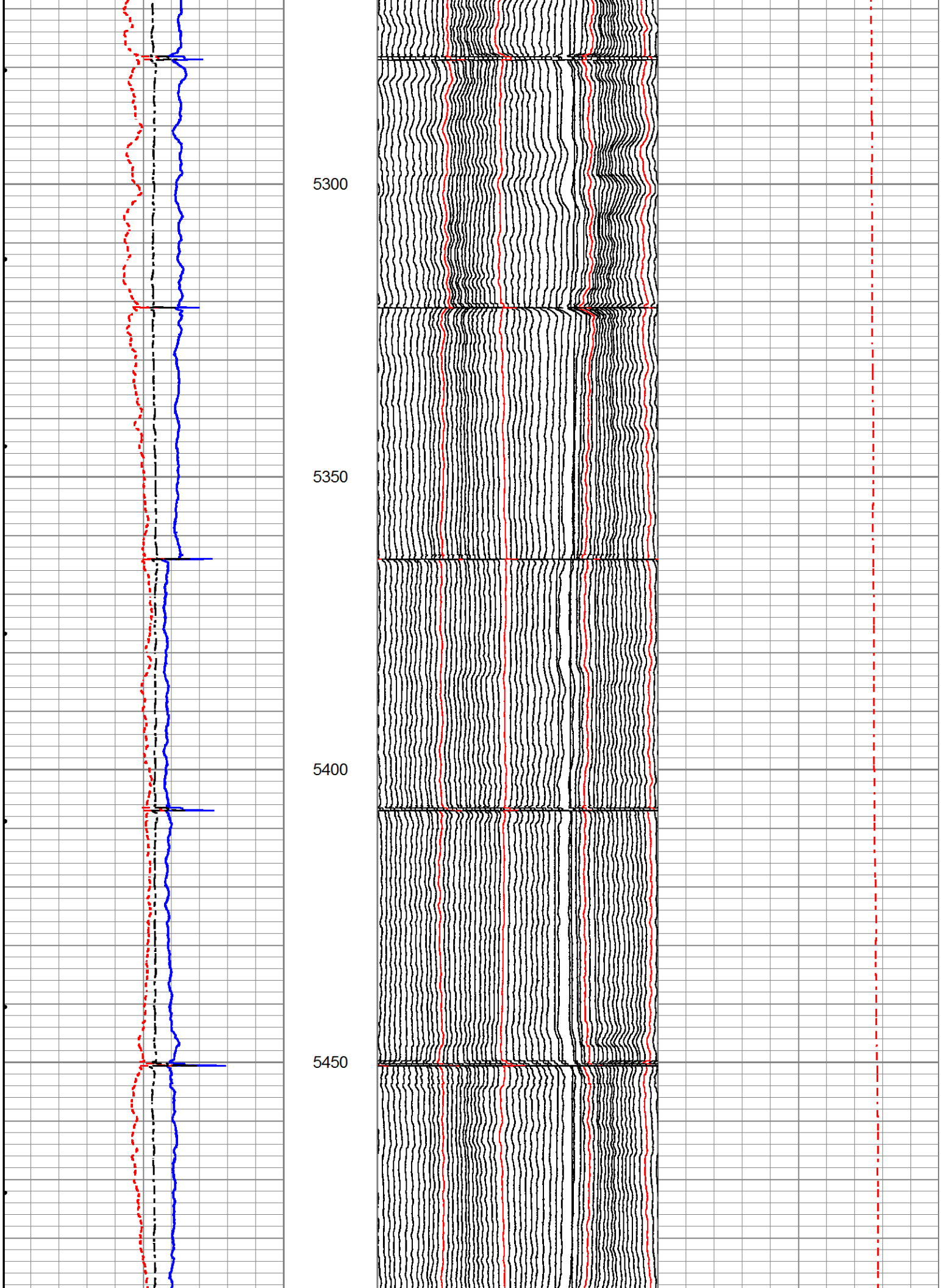
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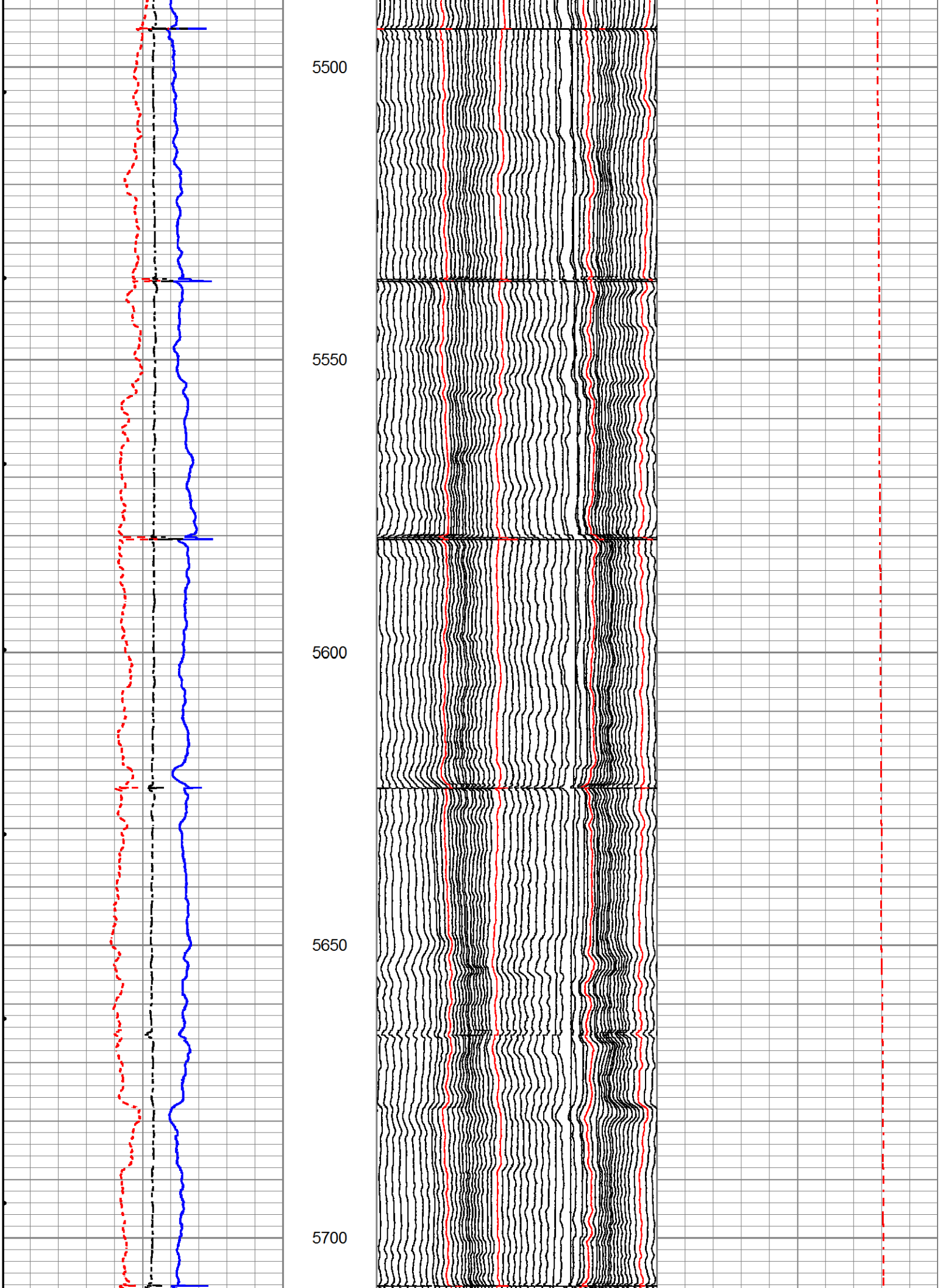
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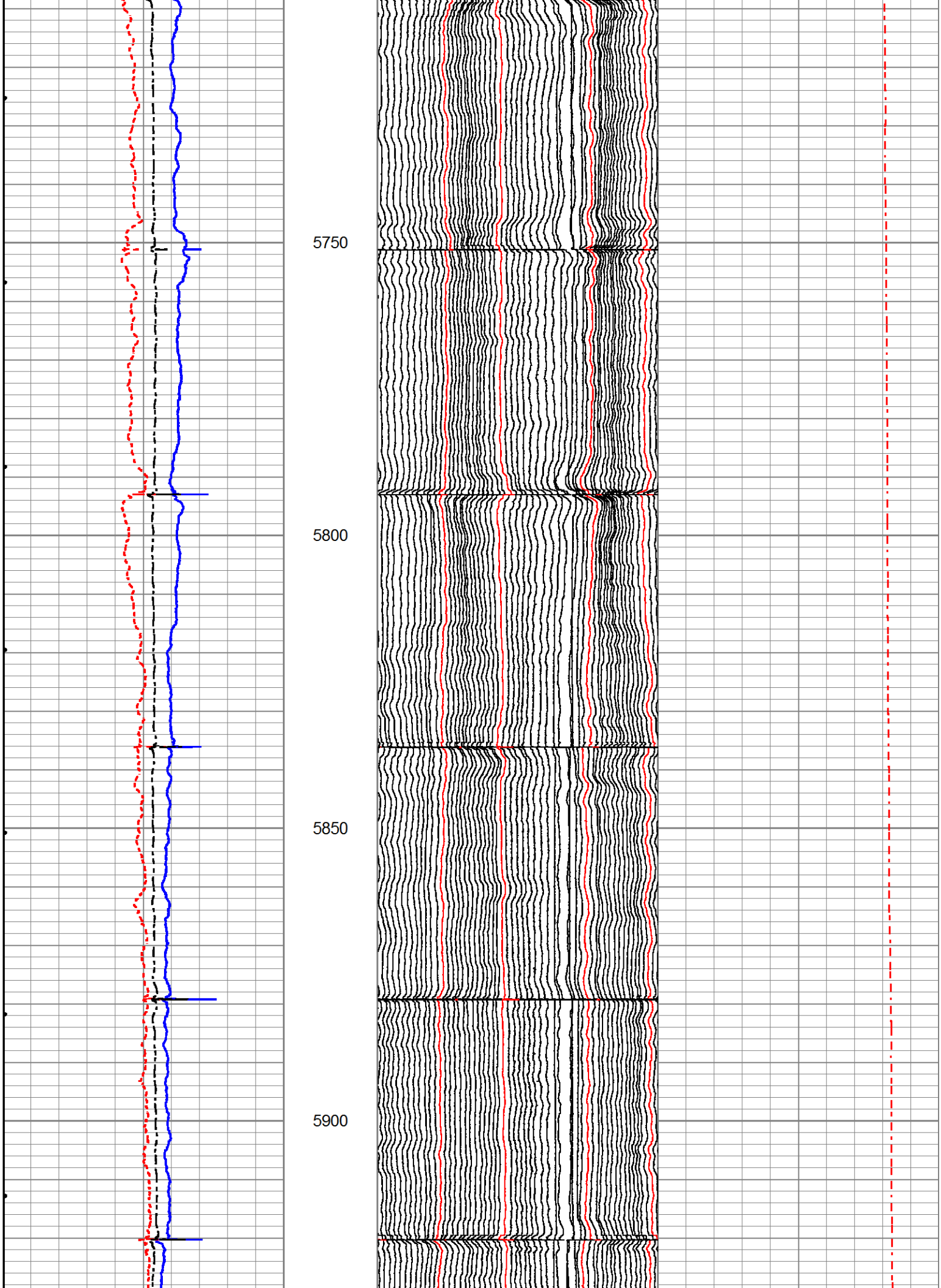
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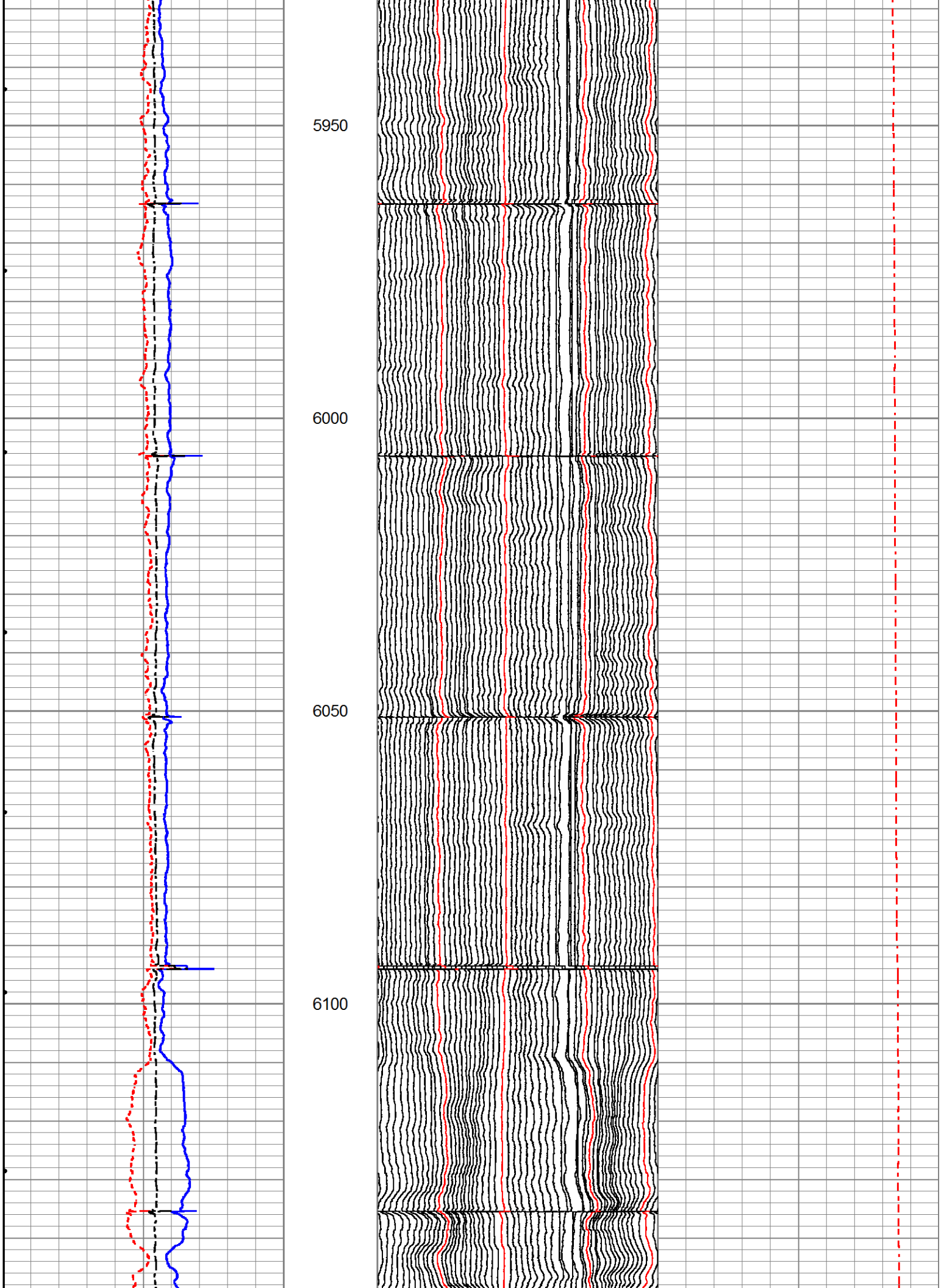
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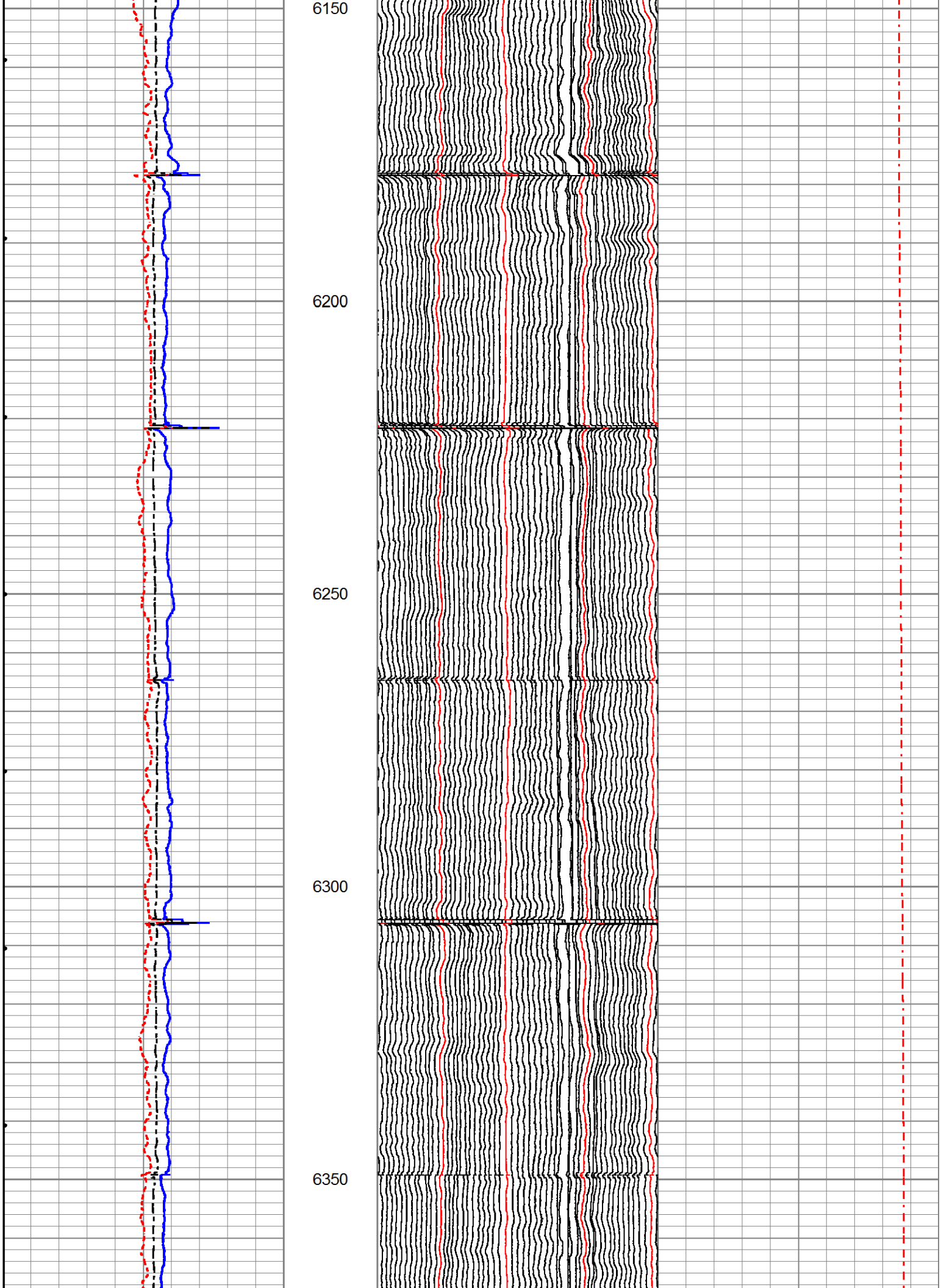
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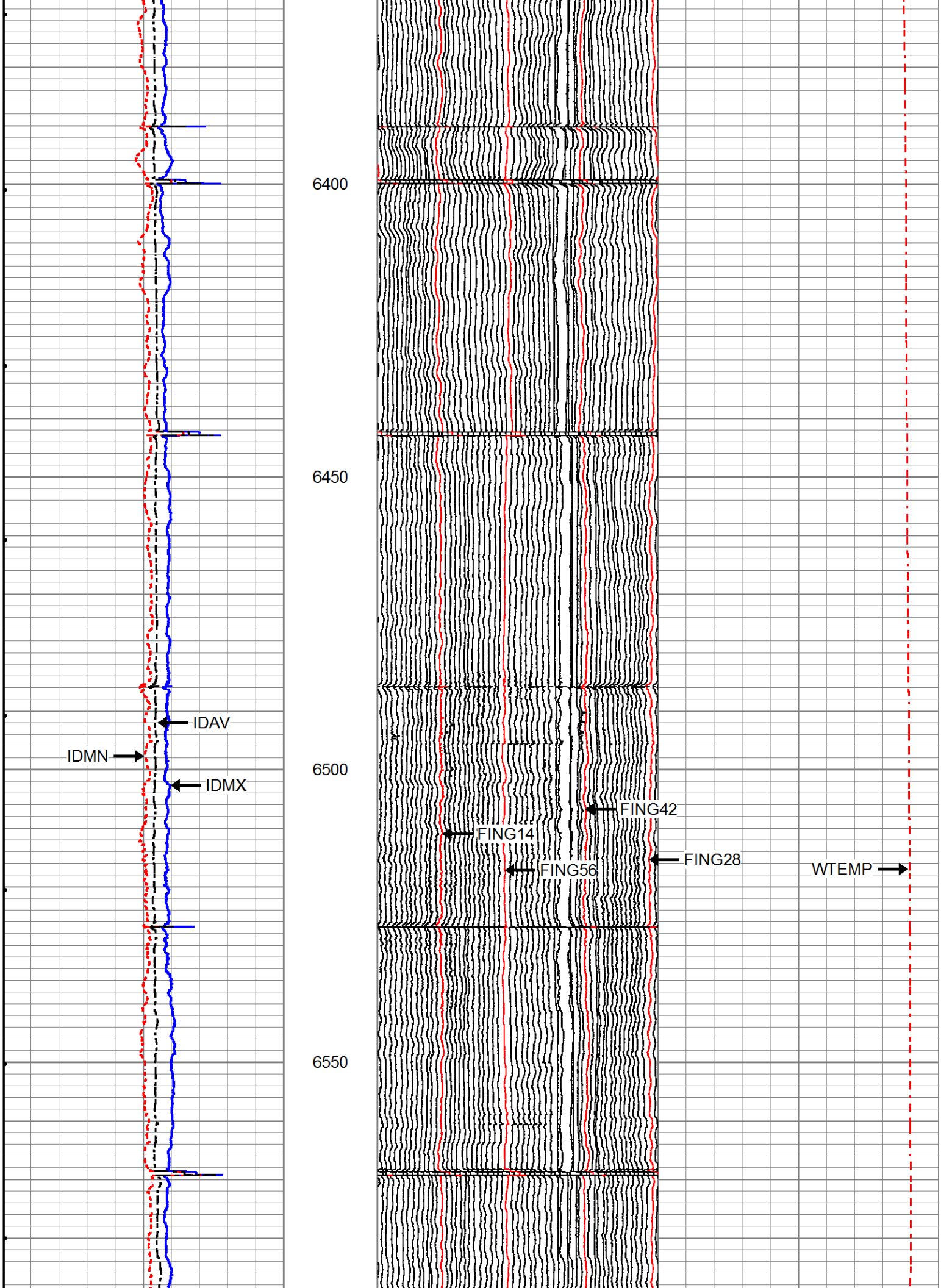
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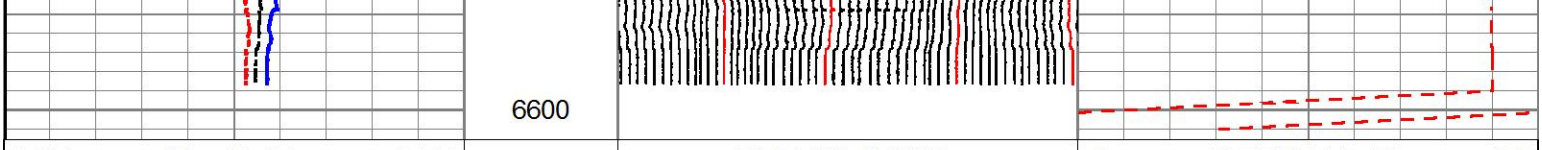
WTEMP



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 HUGHES

REPEAT PASS

6603-6300

Database File	c:\welldata\shop\106873_socal_p68b\porter_68b.db
Dataset Pathname	pass1
Presentation Format	56_958_47
Dataset Creation	Thu Apr 14 11:55:08 2016
Charted by	Depth in Feet scaled 1:240

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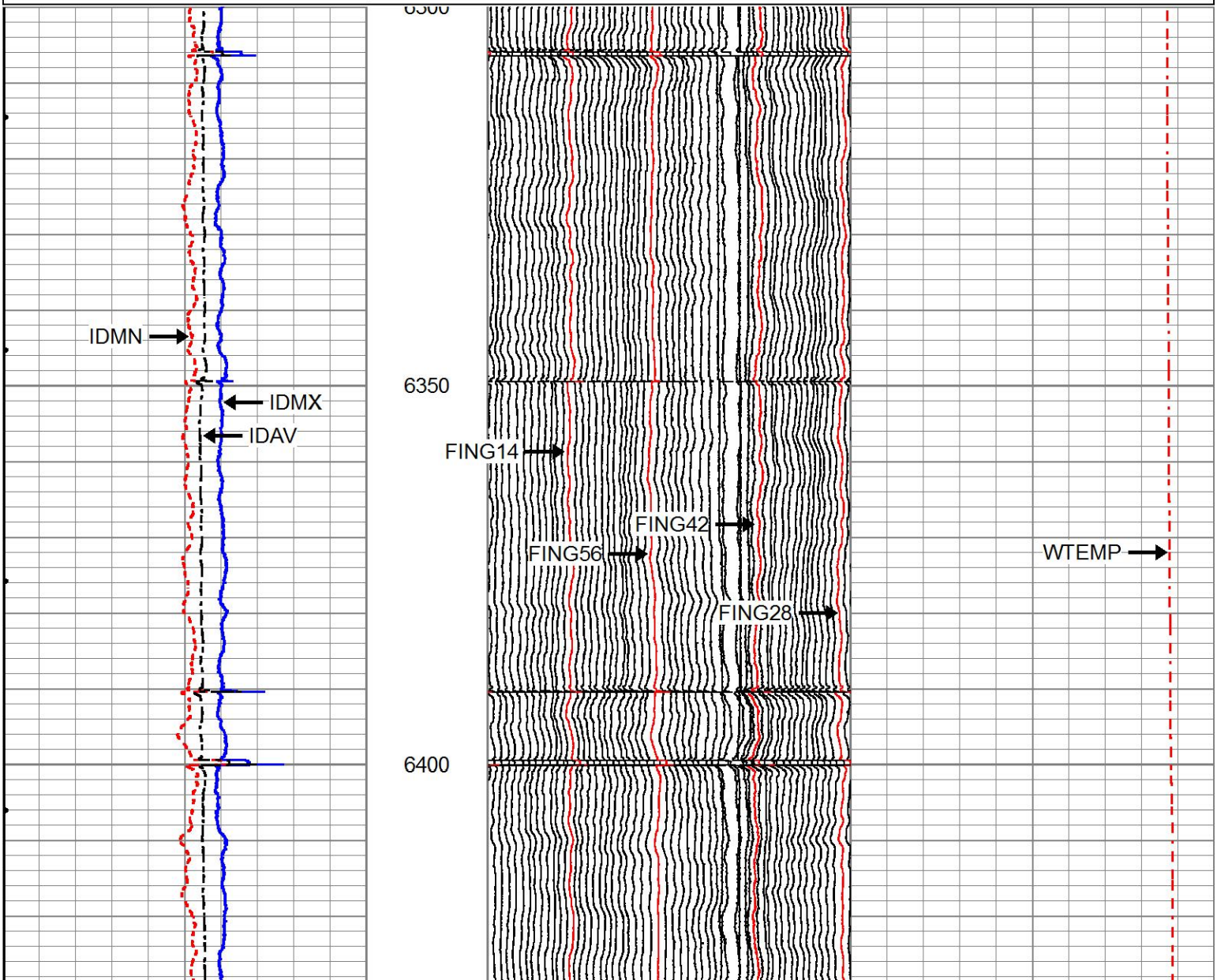

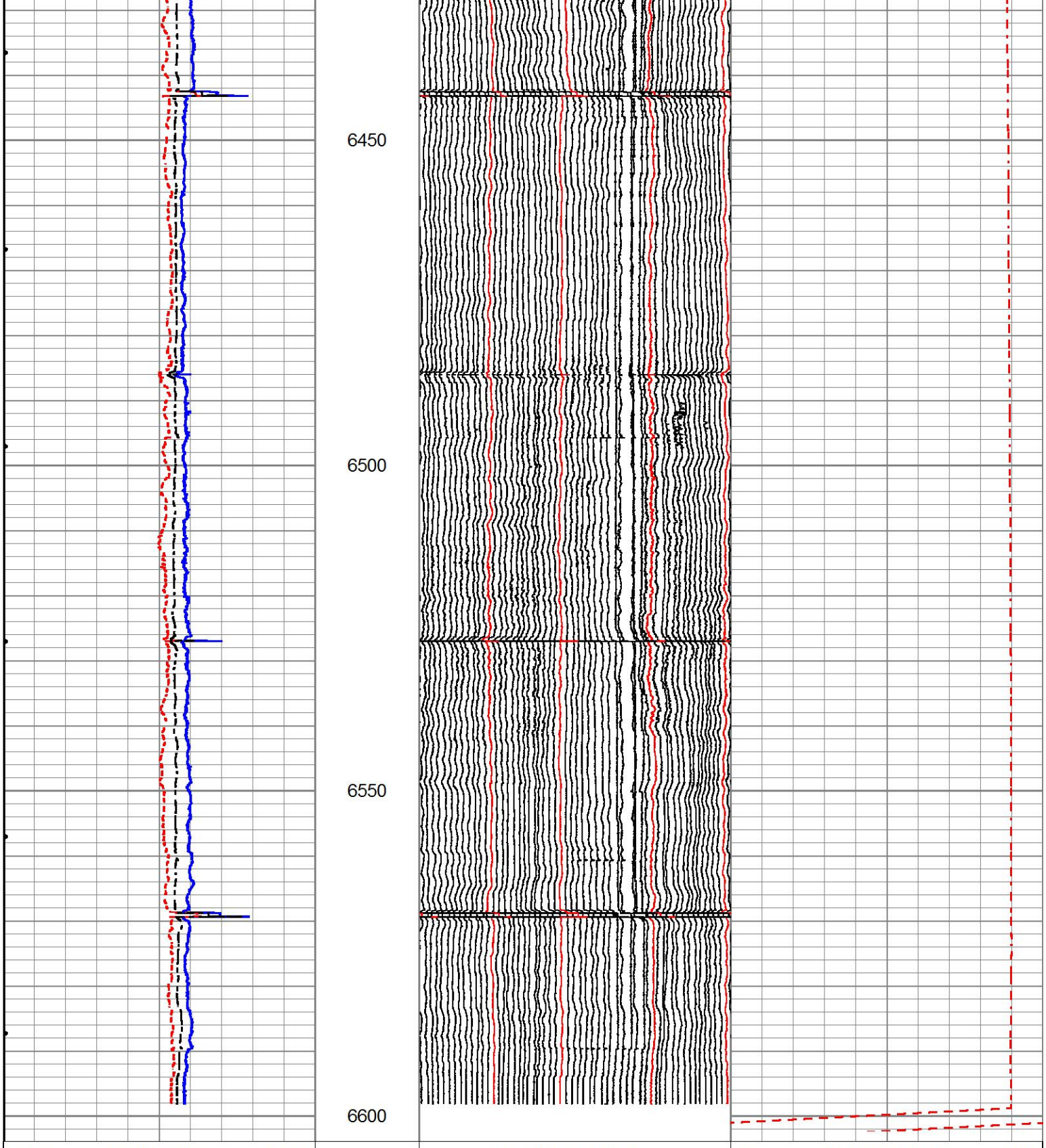

7.681	Max ID (in)	9.681	56 RADII .05" INC.	70	WTEMP (degF)	170
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BAKER HUGHES

REPEAT PASS

1470-460

Database File c:\welldata\shop\106873_socal_p68b\porter_68b.db

Database File	d:\welldata\shop\100075_300ai_pesb\porter_esb.db
Dataset Pathname	pass6
Presentation Format	56_958_47
Dataset Creation	Thu Apr 14 16:50:56 2016
Charted by	Depth in Feet scaled 1:240

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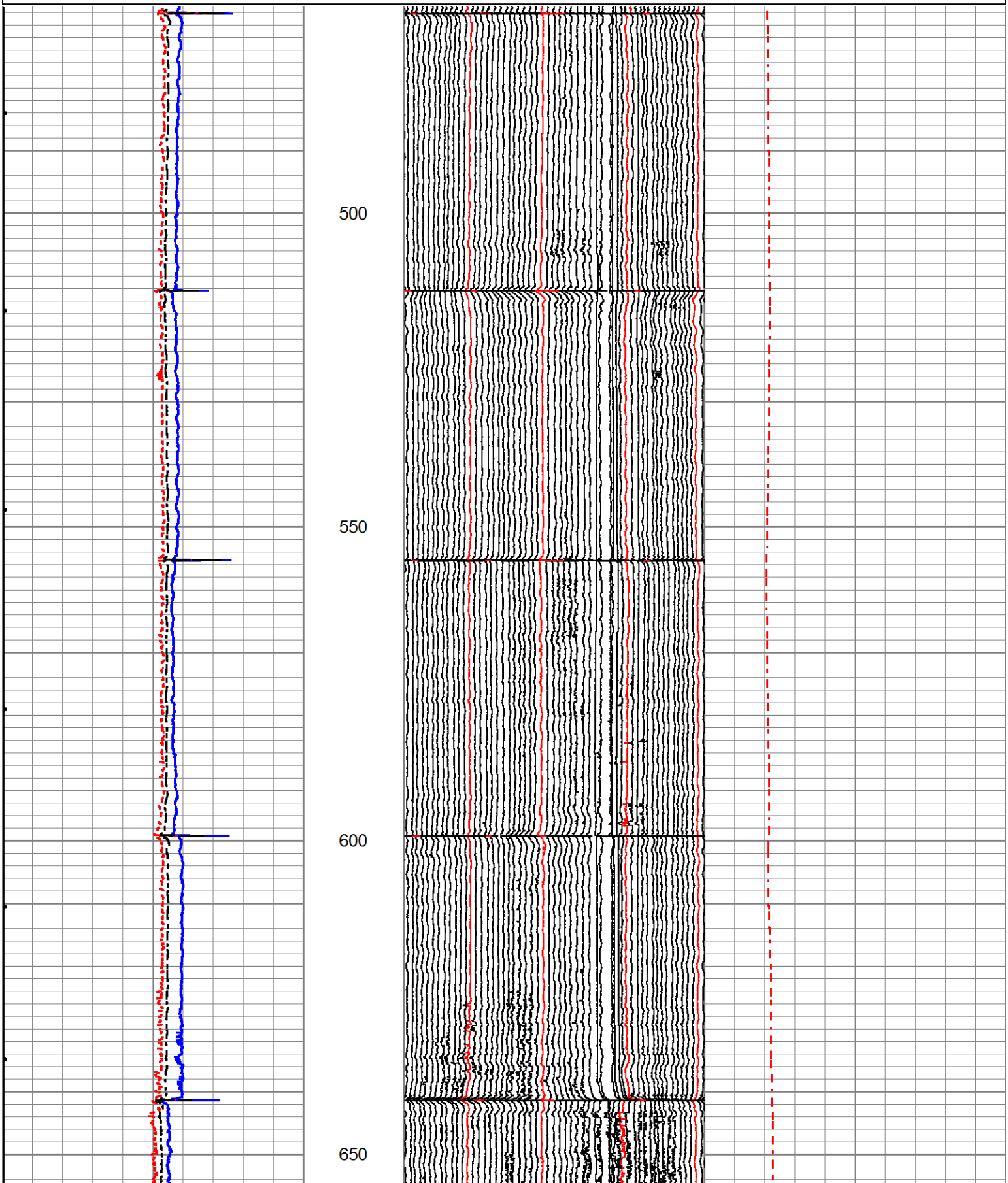

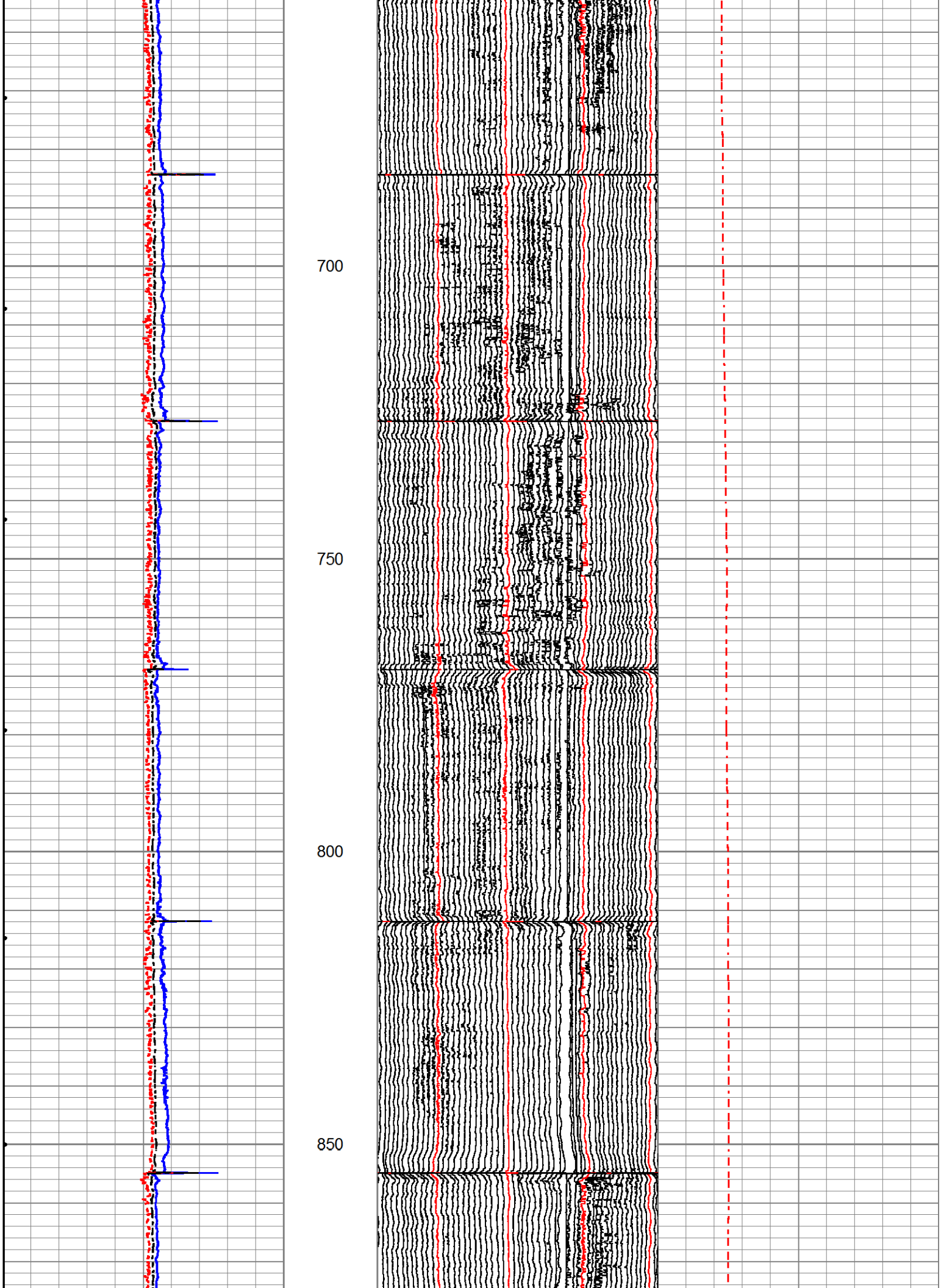
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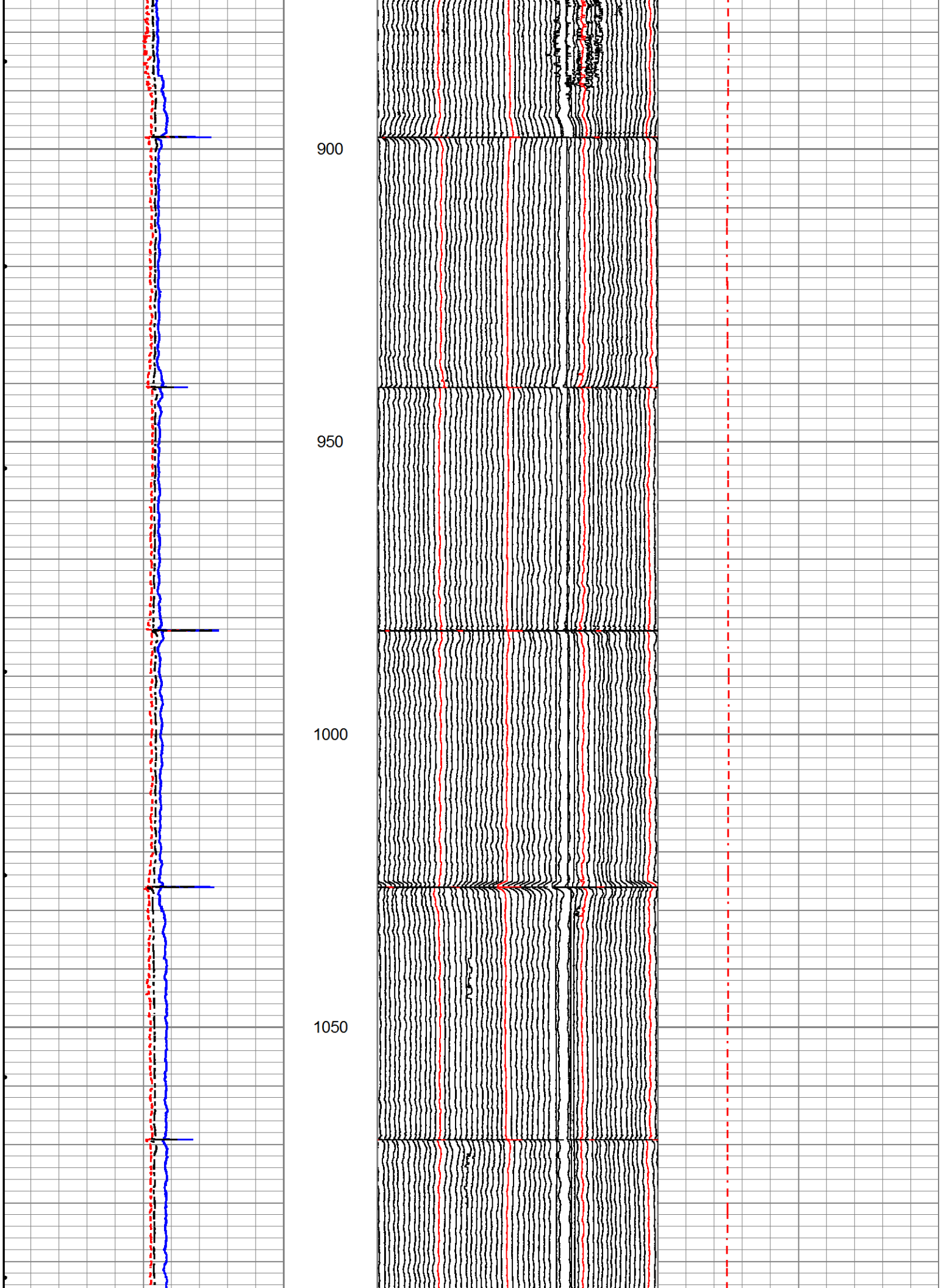
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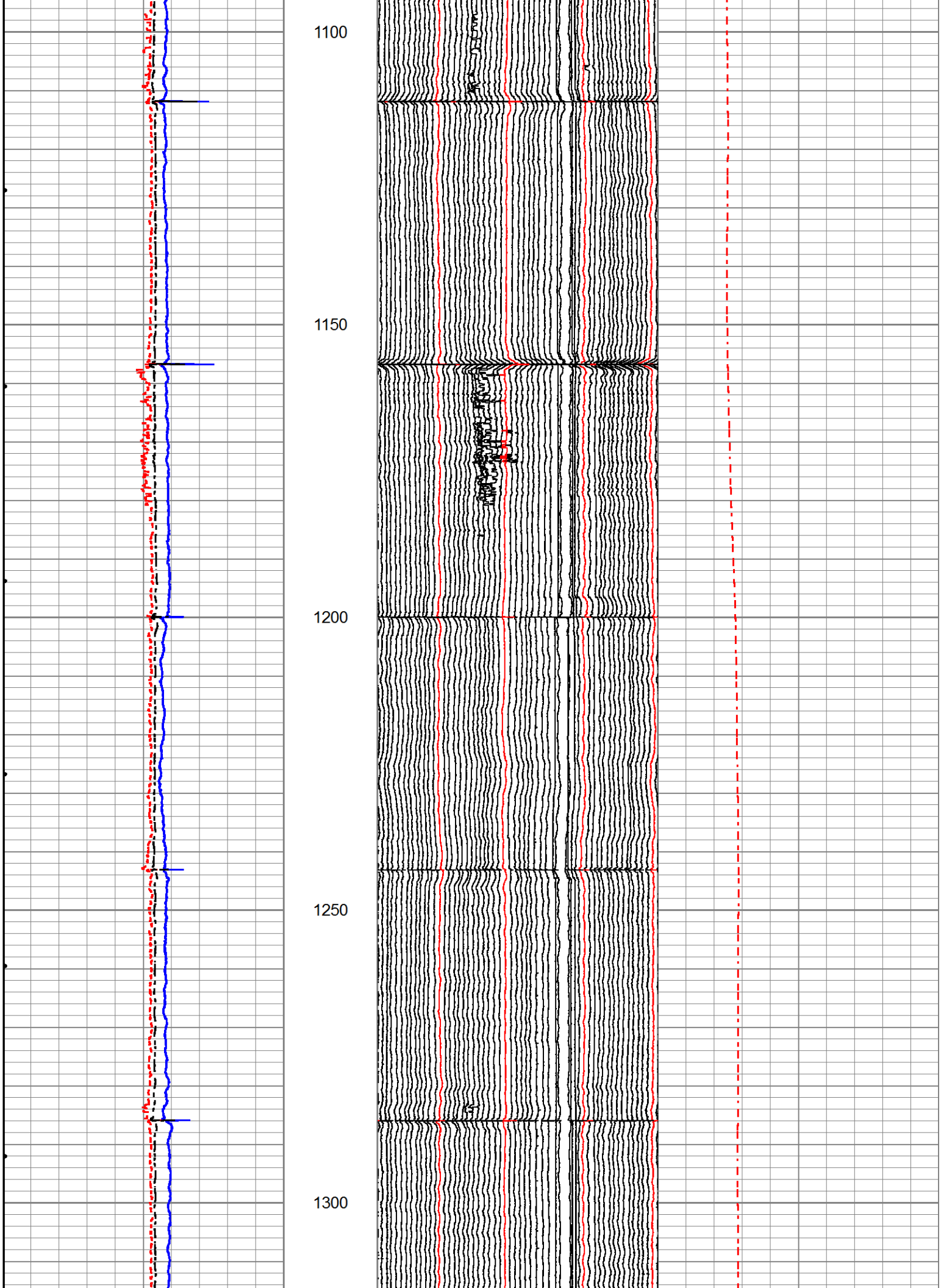
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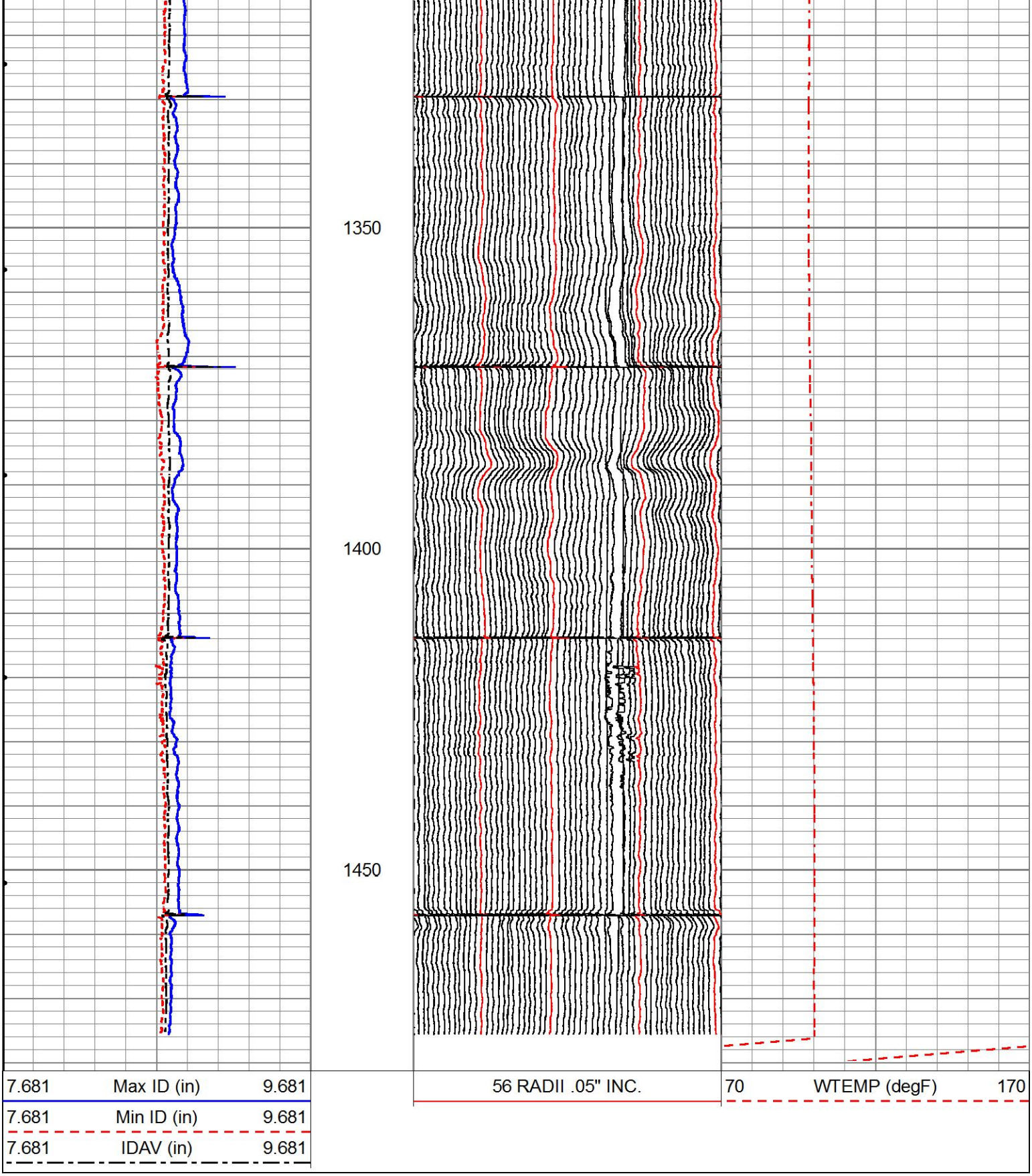


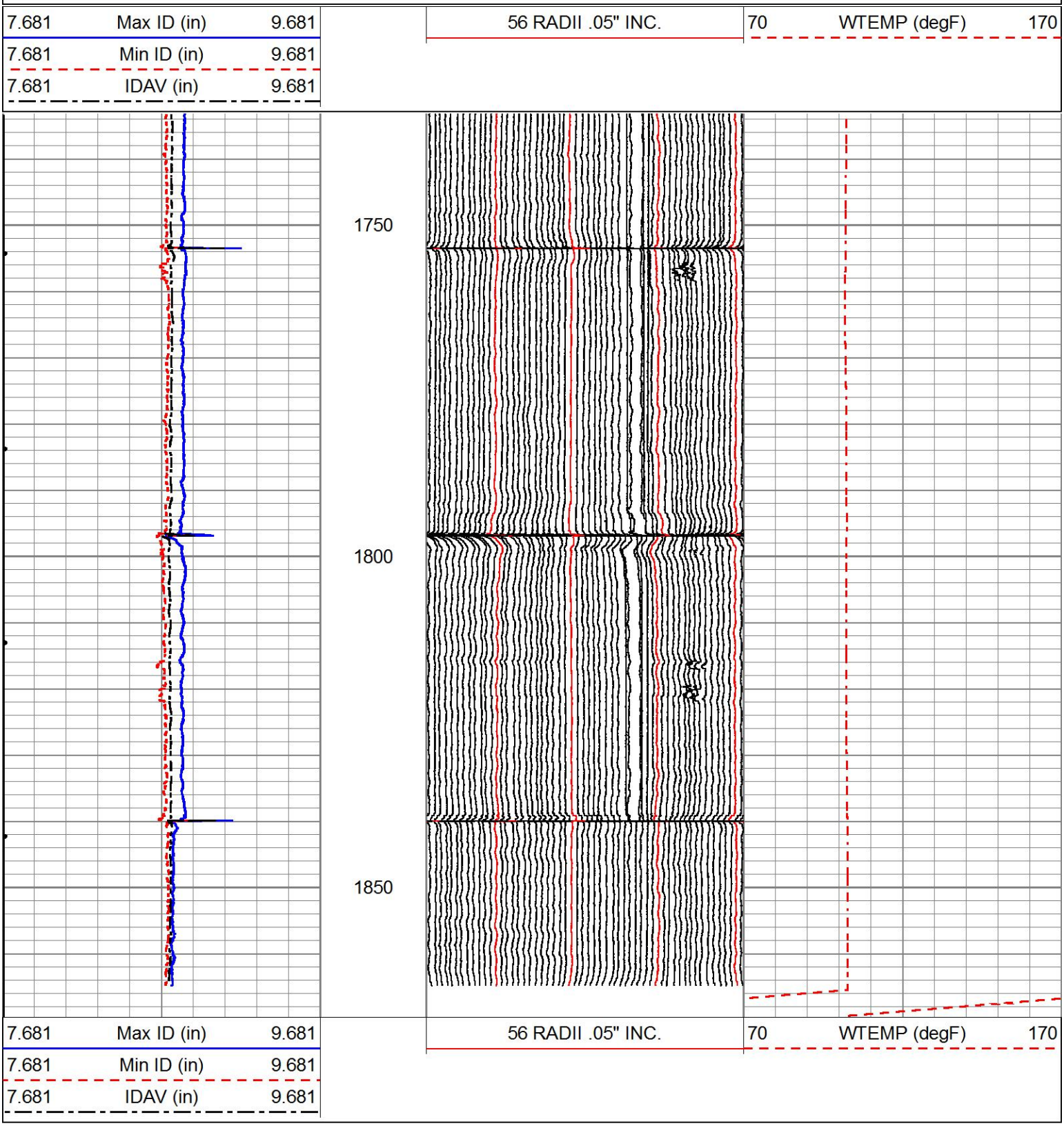
BAKER HUGHES

REPEAT PASS

1870-1740

Database File	c:\welldata\shop\106873_socal_p68b\porter_68b.db
Dataset Pathname	pass5
Presentation Format	56_958_47
Dataset Creation	Thu Aug 14 12:42:41 2012

Dataset Creation Thu Apr 14 16:43:41 2016
Charted by Depth in Feet scaled 1:240



BAKER HUGHES

REPEAT PASS

5850-5250

Database File c:\welldata\shop\106873_socal_p68b\porter_68b.db
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Presentation Format 56_958_47
Dataset Creation Thu Apr 14 16:08:11 2016
Charted by Depth in Feet scaled 1:240

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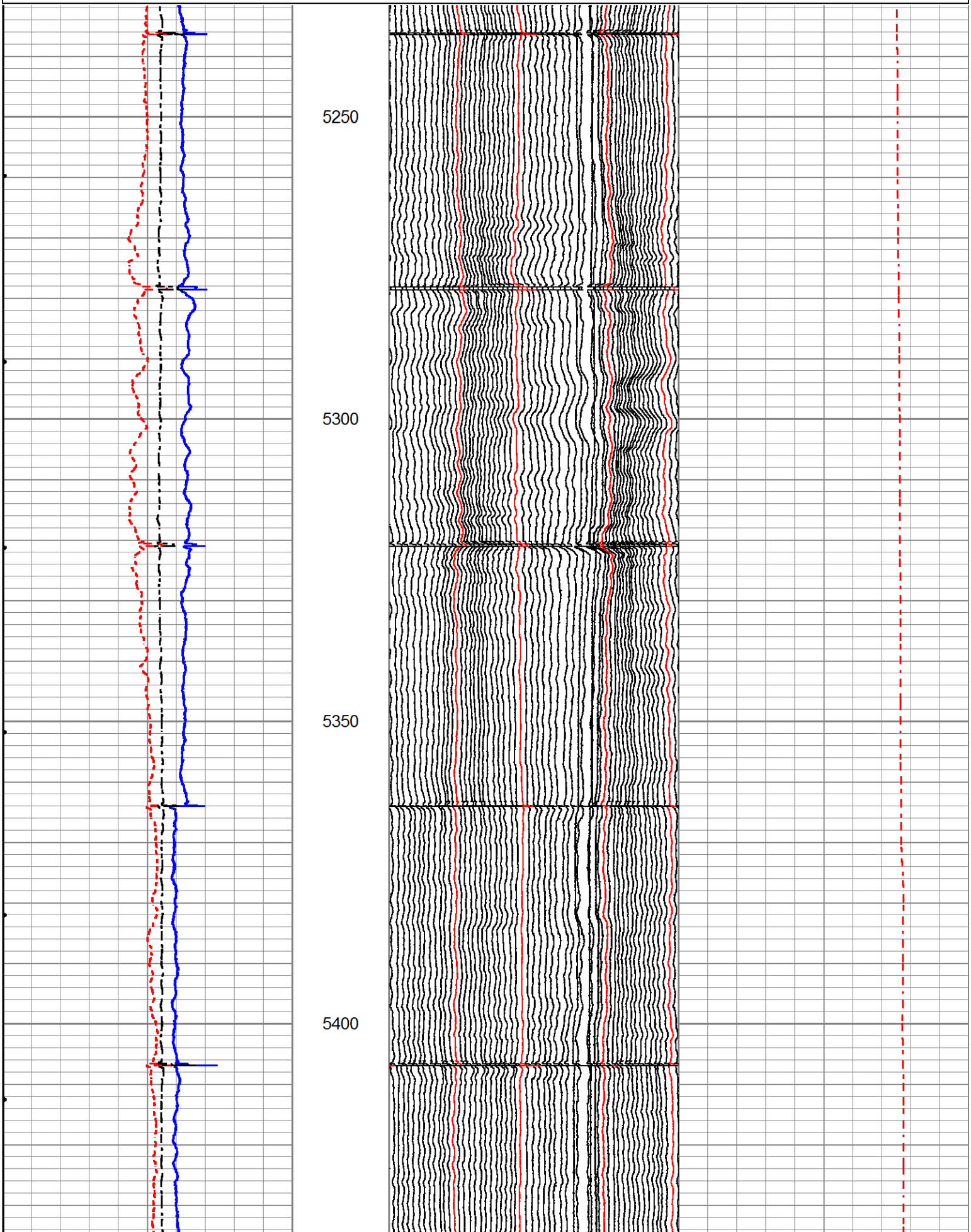
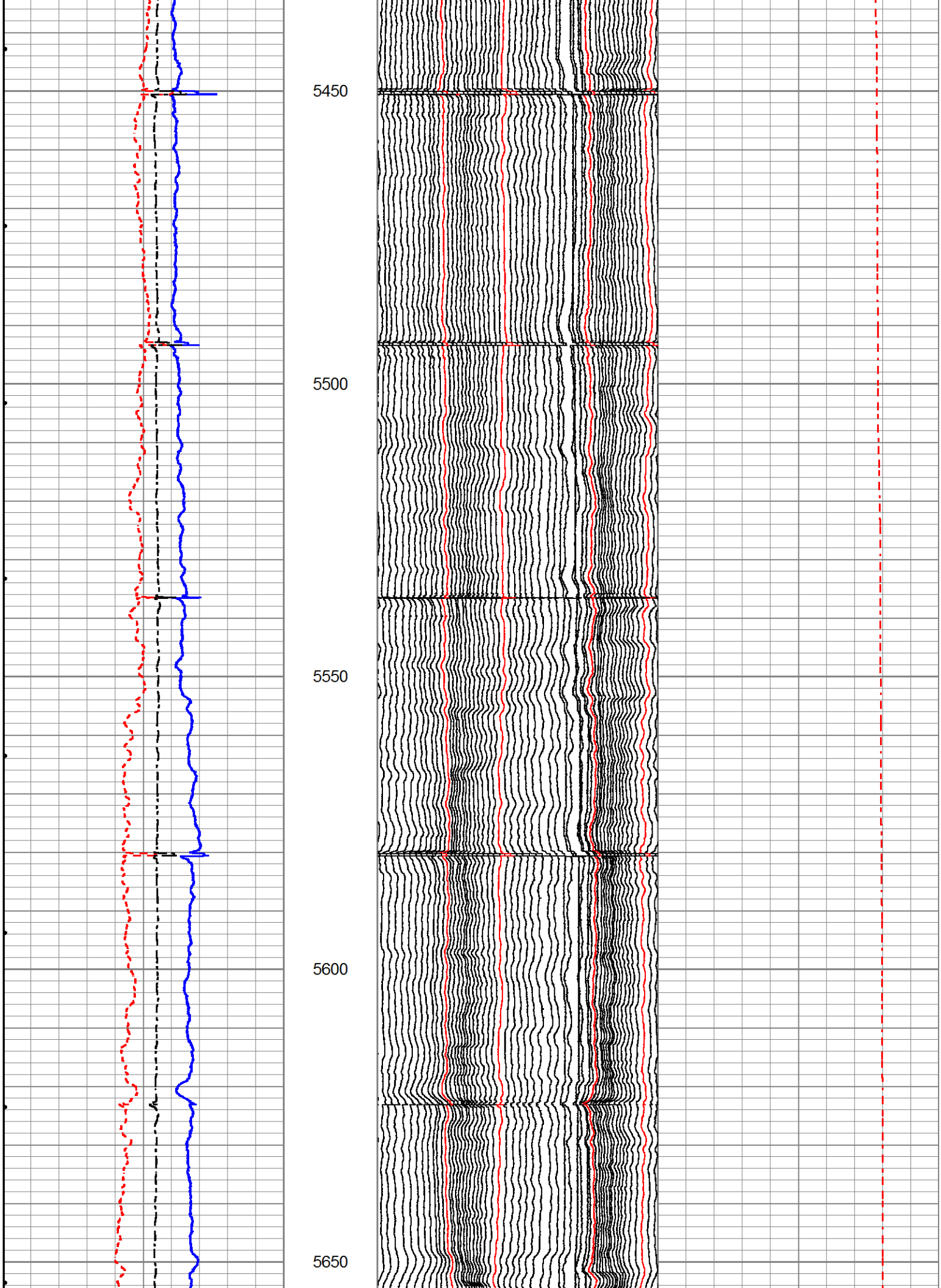
7.681	Min ID (in)	9.681				
7.681	IDAV (in)	9.681				

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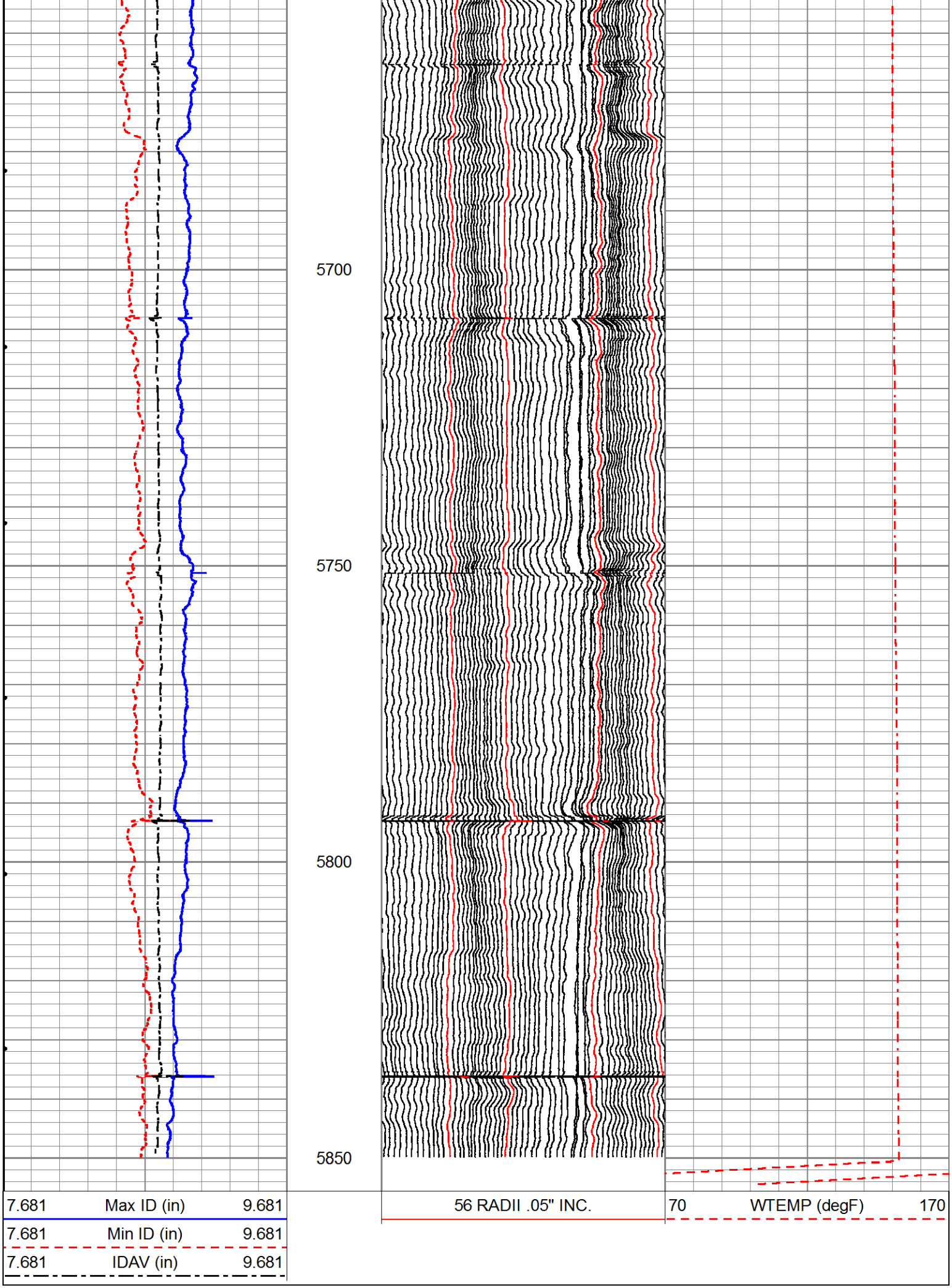
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7.681 Max ID (in) 9.681
7.681 Min ID (in) 9.681
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56 RADII .05" INC.
70 WTEMP (degF) 170

REPEAT PASS

6200-6090

Database File	c:\welldata\shop\106873_socal_p68b\porter_68b.db
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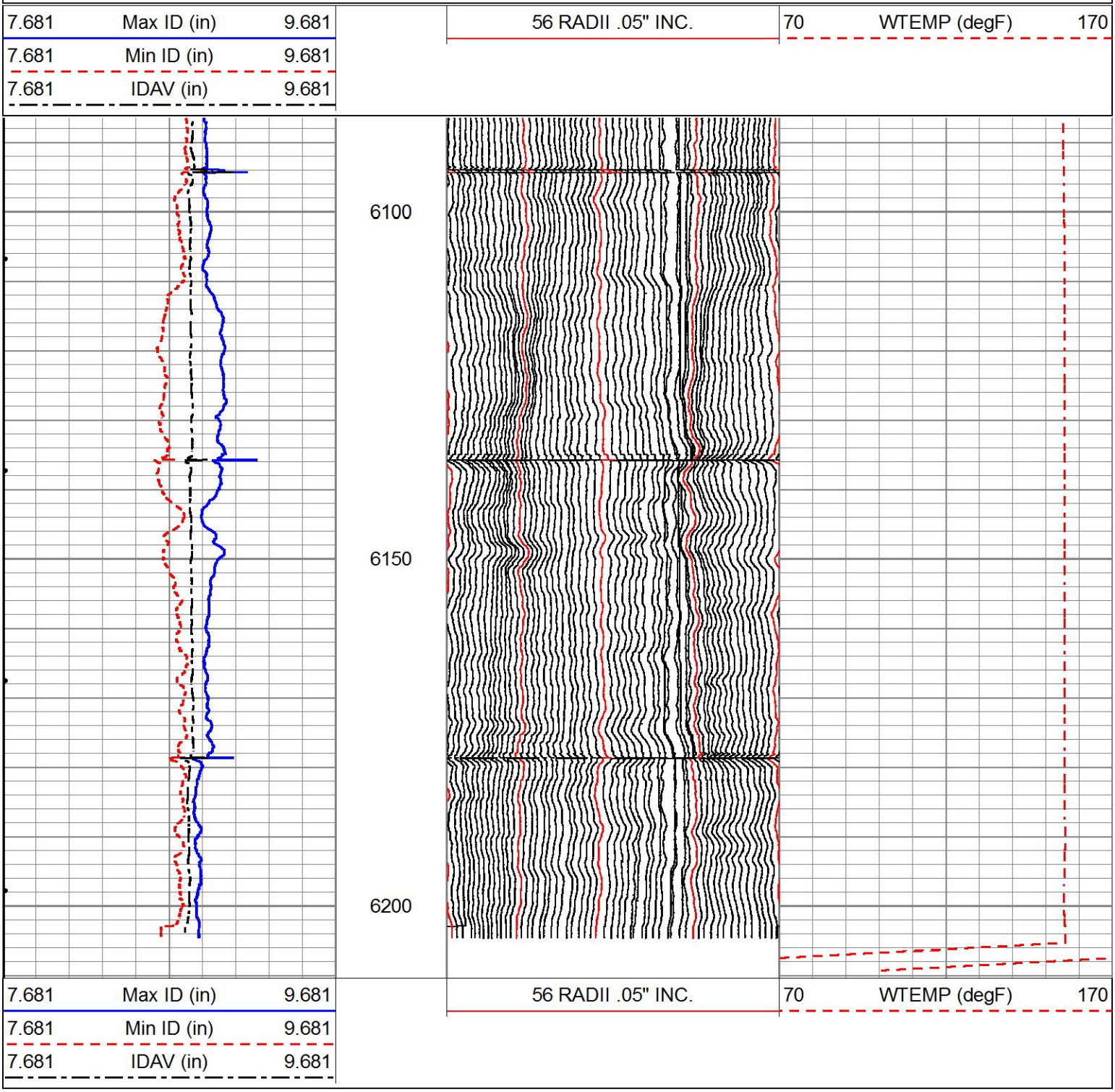
Presentation Format	56_958_47
Dataset Creation	Thu Apr 14 15:58:06 2016
Charted by	Depth in Feet scaled 1:240



Calibration Report

Database File	C:\WELLDATA\SHOP\106873_socal_p68b\porter_68b.db
Dataset Pathname	pass8
Dataset Creation	Thu Apr 14 17:52:16 2016

GOWell 56 Arm Calibration Report

Serial Number: 11148
Tool Model: 56
Performed: Thu Apr 14 11:11:09 2016

Ref ID:	7.00	8.00	9.00	9.25	9.63	Offset	in
Arm1	7.04	8.06	8.99	9.24	9.59	0.00	in
Arm2	6.93	7.93	8.83	9.08	9.41	0.00	in
Arm3	7.03	8.04	8.98	9.23	9.58	0.00	in
Arm4	6.99	8.01	8.97	9.23	9.58	0.00	in
Arm5	7.10	8.09	9.05	9.30	9.65	0.00	in
Arm6	7.08	8.10	9.06	9.32	9.68	0.00	in
Arm7	6.91	7.91	8.88	9.14	9.48	0.00	in
Arm8	7.00	8.01	8.99	9.25	9.59	0.00	in
Arm9	7.02	8.01	8.98	9.23	9.58	0.00	in
Arm10	7.03	8.03	9.02	9.27	9.63	0.00	in
Arm11	7.00	7.98	8.96	9.21	9.56	0.00	in
Arm12	7.04	8.03	9.02	9.27	9.63	0.00	in
Arm13	6.97	7.94	8.93	9.18	9.53	0.00	in
Arm14	7.04	8.02	9.02	9.27	9.63	0.00	in
Arm15	6.97	7.94	8.94	9.19	9.55	0.00	in
Arm16	6.95	7.92	8.94	9.19	9.55	0.00	in
Arm17	6.92	7.88	8.88	9.14	9.49	0.00	in
Arm18	7.03	8.00	9.00	9.26	9.63	0.00	in
Arm19	6.99	7.94	8.93	9.18	9.55	0.00	in
Arm20	7.02	7.99	9.00	9.26	9.63	0.00	in
Arm21	7.01	7.96	8.96	9.22	9.59	0.00	in
Arm22	6.94	7.91	8.93	9.18	9.56	0.00	in
Arm23	7.10	8.05	9.04	9.29	9.66	0.00	in
Arm24	6.98	7.95	8.97	9.23	9.61	0.00	in
Arm25	7.00	7.95	8.95	9.21	9.59	0.00	in
Arm26	6.93	7.89	8.91	9.16	9.55	0.00	in
Arm27	7.01	7.96	8.95	9.20	9.57	0.00	in
Arm28	6.97	7.94	8.95	9.21	9.60	0.00	in
Arm29	7.01	7.97	8.96	9.21	9.59	0.00	in
Arm30	6.98	7.99	9.00	9.25	9.63	0.00	in

* Bad

GOWell 56 Arm Calibration Report

Serial Number:
Tool Model:
Performed:

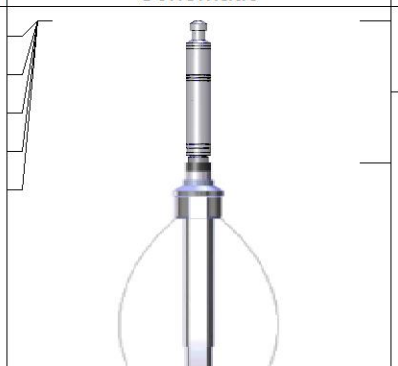
Ref ID:	7.00	8.00	9.00	9.25	9.63	Offset	in
Arm31	7.07	8.02	9.00	9.26	9.63	0.00	in
Arm32	7.08	8.04	9.04	9.29	9.68	0.00	in
Arm33	7.05	8.00	8.98	9.24	9.63	0.00	in
Arm34	7.06	8.04	9.04	9.29	9.67	0.00	in
Arm35	7.05	8.01	8.99	9.24	9.62	0.00	in
Arm36	7.17	8.15	9.12	9.37	9.75	0.00	in
Arm37	7.10	8.08	9.03	9.28	9.66	0.00	in
Arm38	7.03	8.04	9.01	9.27	9.65	0.00	in
Arm39	6.98	7.98	8.94	9.19	9.57	0.00	in
Arm40	6.91	7.95	8.90	9.18	9.57	0.00	in
Arm41	7.00	8.00	8.94	9.18	9.55	0.00	in
Arm42	7.12	8.13	9.08	9.33	9.70	0.00	in
Arm43	7.07	8.07	9.01	9.27	9.64	0.00	in
Arm44	7.00	8.03	8.96	9.22	9.61	0.00	in
Arm45	6.99	8.01	8.93	9.18	9.57	0.00	in
Arm46	6.92	7.96	8.91	9.16	9.53	0.00	in
Arm47	6.99	8.00	8.92	9.17	9.53	0.00	in
Arm48	6.94	7.98	8.91	9.17	9.54	0.00	in
Arm49	7.01	8.04	8.97	9.22	9.59	0.00	in

Arm50	7.00	8.05	8.99	9.25	9.62	0.00	in
Arm51	7.02	8.04	8.98	9.22	9.58	0.00	in
Arm52	7.07	8.09	9.04	9.31	9.67	0.00	in
Arm53	7.04	8.06	8.98	9.22	9.58	0.00	in
Arm54	7.05	8.10	9.05	9.31	9.67	0.00	in
Arm55	7.04	8.06	8.99	9.24	9.60	0.00	in
Arm56	6.98	8.03	8.98	9.24	9.60	0.00	in
Arm57							in
Arm58							in
Arm59							in
Arm60							in

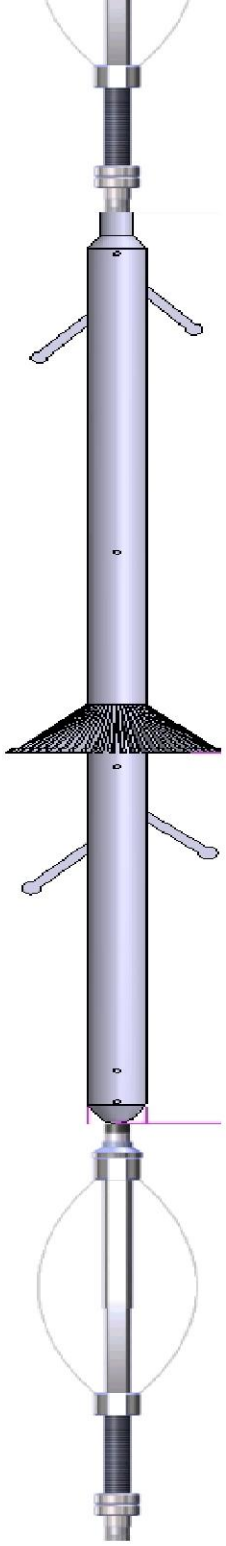
* Bad

GOWell 56 Arm Verification Report

	Pre Verification	Post Verification	Casing Check	
Performed:	Thu Apr 14 11:12:55 2016	Thu Apr 14 17:50:33 2016	Thu Apr 14 11:38:31 2016	
Ref ID:	9.00	9.00	8.68	in
Min.	9.00	9.00	8.73	in
Max.	9.01	9.03	8.81	in
Avg.	9.00	9.01	8.76	in
Dia1	9.00	9.01	8.79	in
Dia2	9.00	9.01	8.80	in
Dia3	9.01	9.01	8.81	in
Dia4	9.00	9.00	8.81	in
Dia5	9.00	9.01	8.79	in
Dia6	9.00	9.01	8.79	in
Dia7	9.00	9.01	8.77	in
Dia8	9.00	9.01	8.76	in
Dia9	9.00	9.01	8.75	in
Dia10	9.00	9.01	8.75	in
Dia11	9.00	9.02	8.73	in
Dia12	9.00	9.01	8.74	in
Dia13	9.01	9.01	8.74	in
Dia14	9.00	9.01	8.74	in
Dia15	9.01	9.00	8.75	in
Dia16	9.00	9.01	8.75	in
Dia17	9.00	9.02	8.75	in
Dia18	9.01	9.03	8.75	in
Dia19	9.00	9.02	8.74	in
Dia20	9.00	9.02	8.74	in
Dia21	9.00	9.02	8.73	in
Dia22	9.00	9.03	8.76	in
Dia23	9.00	9.00	8.76	in
Dia24	9.00	9.01	8.78	in
Dia25	9.00	9.00	8.77	in
Dia26	9.00	9.01	8.79	in
Dia27	9.00	9.01	8.77	in
Dia28	9.00	9.01	8.77	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					
LTENUSR	13.61					

		CENT-3' In-Line 2. 3/4" Probe In-Line Standard GOI Centralizer	3.00	2.75	30.00
		XIPEMAC-56 (11148) 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
LOCTIM	0.00				
UTCTIM	0.00				



Dataset:	porter_68b.db: field/well/run1/pass2
Total length:	13.61 ft
Total weight:	170.00 lb
O.D.:	3.50 in

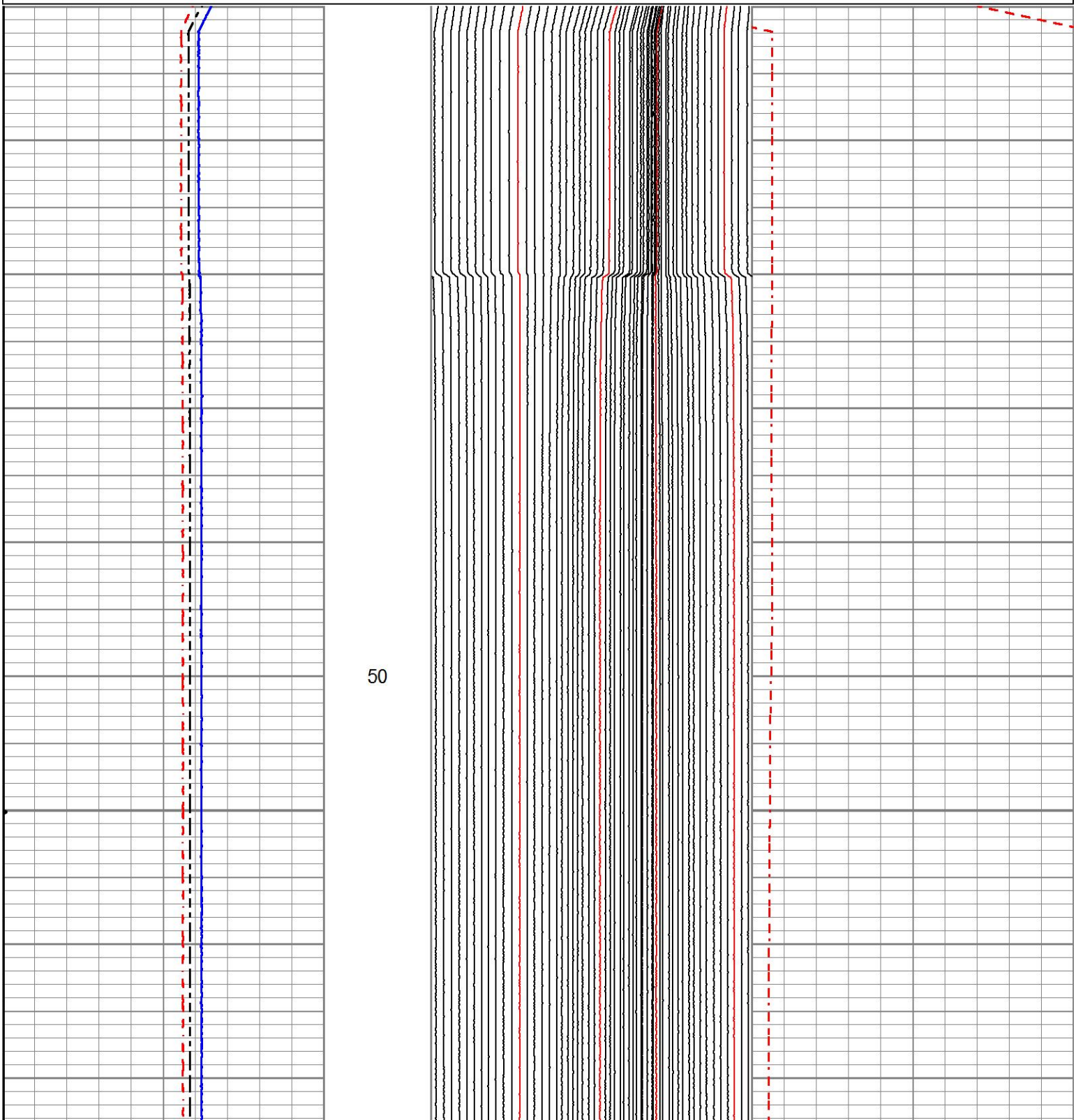
BAKER HUGHES

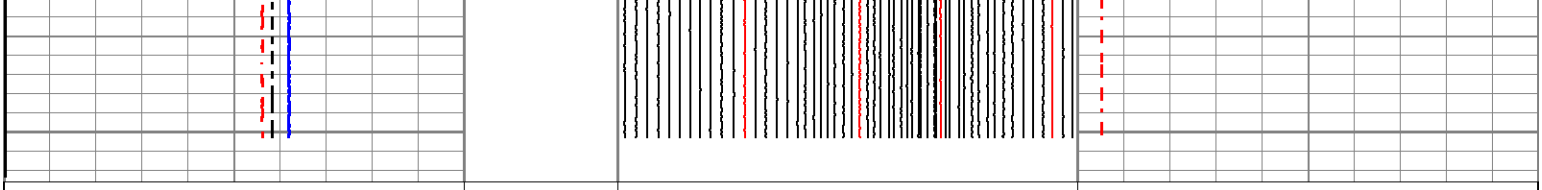
Company	SOUTHERN CALIFORNIA GAS COMPANY	
Well	PORTER 68B	
Field	ALISO CANYON	
County	LOS ANGELES	
State	CALIFORNIA	Country

TIME PASS CSG CHECK

Database File	c:\welldata\shop\106873_socal_p68b\porter_68b.db
Dataset Pathname	pass7
Presentation Format	56_958_47
Dataset Creation	Thu Apr 14 17:30:31 2016
Charted by	Time scaled 360/hour

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				





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				