



SECTOR CEMENT BOND
GAMMA RAY
CCL LOG

Company **BAYSWATER EXPLOR. & PROD.**

Well **ONYX FEDERAL 2**

Field **WATTENBERG**

County **WELD** State **COLORADO**

Location: API # : 05-123-52198

Other Services

551' FNL & 269' FWL

SEC 26 TWP 7N RGE 66W

NONE

Comp. BAYSWATER EXPLOR. & PROD.
Well ONYX FEDERAL 2
Field WATTENBERG
Co. WELD
State COLORADO

Permanent Datum GL
Log Measured From GL 0' Above Perm. Datum
Drilling Measured From KB

Elevation
K.B. N/A
D.F. N/A
G.L. 4894'

Date of Service 08-MAY-2024

Run Number ONE

Depth Driller or PBTD N/A

Depth Logger 7340'

Bottom Log Interval 7330'

Top Log Interval SURFACE

Open Hole Size 8-1/2"

Type Fluid H2O

Fluid Level SURFACE

Fluid Density N/A

Max. Recorded Temperature 229 DEG. F.

Max. Wellhead Pressure ZERO PSI

Wellhead Connection OPEN

Estimated Cement Top 160'

Unit Number L-05

Wireline Size 9/32"

Location BRIGHTON

Recorded By J. KOTT

Witnessed By JEANELL RILES

Size 9-5/8"

Surface Casing 36#

Production Casing 5-1/2"

Liner Casing 20#

Tubing Record

Size 9-5/8"

Surface Casing 36#

Production Casing 5-1/2"

Liner Casing 20#

Tubing Record

W/Ft

36#

20#

Top

SURFACE

SURFACE

Bottom

1500'

21,945'

<<< Fold Here >>>

All interpretations are opinions based on inferences from electrical or other measurements and Ranger Energy Services cannot and does not guarantee the accuracy or correctness of any interpretation, and Ranger Energy Services will not 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.

Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.
LOG CORRELATED TO GL

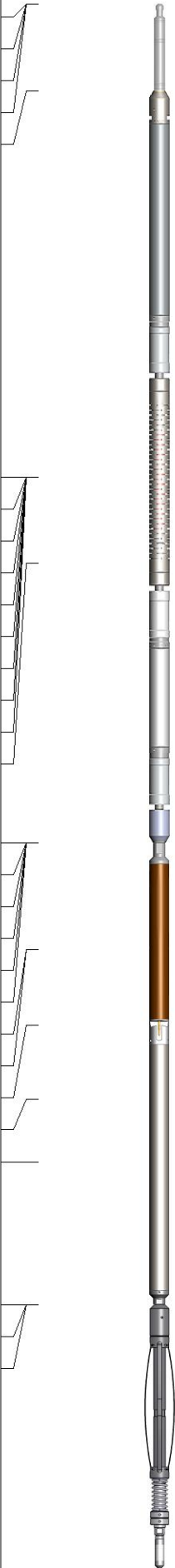
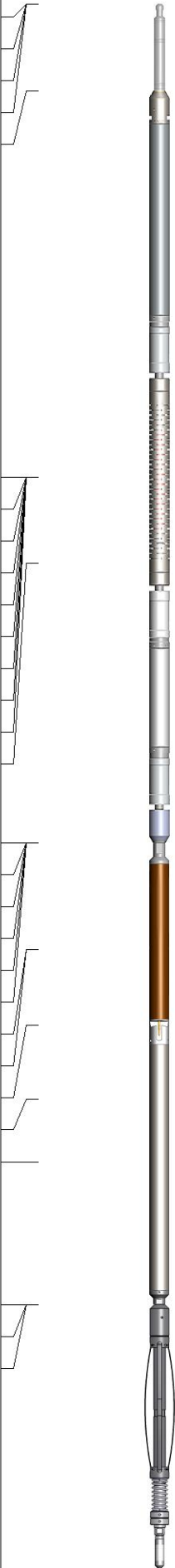
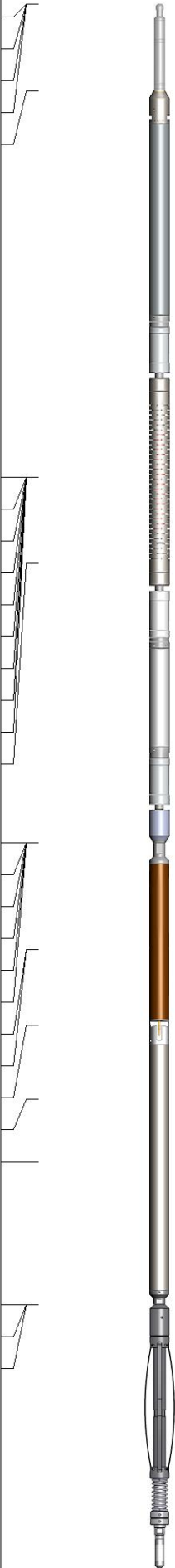
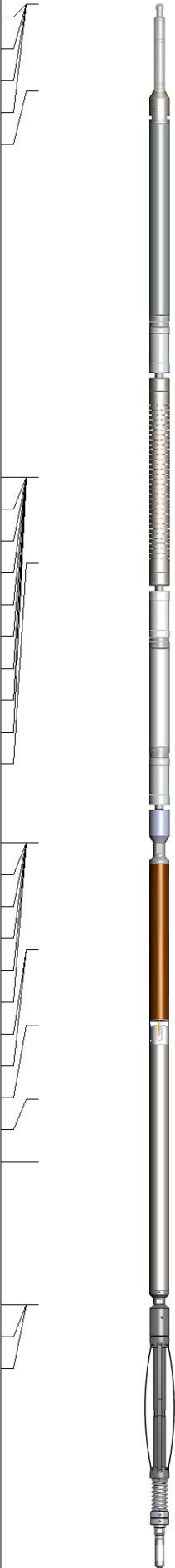
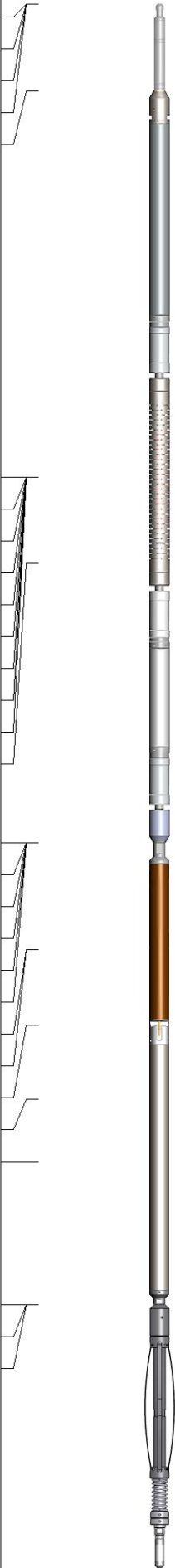
THANK YOU FOR USING RANGER ENERGY SERVICES! FIELD TICKET #05-668792

Your Ranger Energy Services Crew

Tool Data - Services

Serial Number

Engineer: J. KOTT
Operator: C. PROPST
Operator: C. MARCH
Operator:

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GCT_FMWR	18.21		Cable_Head-1_7/16 Titan 1 7/16" Cable Head	1.02	1.44	3.31
mSec_Count	18.21					
RBT_Status	18.21					
Error_Ct	18.21					
RBT_HV	17.20					
WVFS8	12.70		RBT8-RADII-275C (RBT275C_Base) Probe 2.75" RADII 8 Sector Bond Tool	8.75	2.75	
WVFS7	12.70					
WVFS6	12.70					
WVFS5	12.70					
WVFS4	12.70					
WVFS3	12.70					
WVFS2	12.70					
WVFS1	12.70					
WVF3FT	12.70					
WVF5FT	11.70					
RBT_ACCZ	8.45		GCacc-GCT275-0BP0 (GCT275-0BP0_base) Probe 2.75" Gamma Ray - CCL (6 magnet) w/Temp	5.38	2.75	59.00
RBT_ACCY	8.45					
RBT_ACCX	8.45					
GCT_HV	8.45					
WVFSYNC	8.45					
WVFCAL	8.45					
CCL\$2	7.20					
CCL\$1	7.20					
GCT_Temp	6.32					
GR	5.45					
GCT_IntTemp	4.73		Centralizers-8071-275-200 Tekco 2 3/4" Adjustable Centralizer	2.73	2.75	25.00
GCT_ACCZ	3.06					
GCT_ACCY	3.06					
GCT_ACCX	3.06					
			Plug-FA108-0000 1.38" Bull Plug	0.33	1.38	1.00
Dataset: I05-668792_bayswater_onyx federal 2_0512352198_20240508_scbl-gr-ccl.db: field/well/run1/pass4						
Total length: 18.21 ft						
Total weight: 88.31 lb						
O.D.: 2.75 in						

Top - Bottom

BOREID in 8.5	BOTTEMP degF 229	CASEOD in 5.5	CASETHCK in 0.361	CASEWGHT lb/ft 20	MAXAMPL mV 71.9	MINAMPL mV 2.2	MINATTN db/ft 0.8
PERFS No	PPT usec 261	SRFTEMP degF 35	TDEPTH ft 7330				

Variable Description

BOREID : Borehole I.D.
BOTTEMP : Bottom Hole Temperature
CASEOD : Casing O.D.
CASETHCK : Casing Thickness

CASEWGHT : Casing Weight
MAXAMPL : Maximum Amplitude
MINAMPL : Minimum Amplitude
MINATTN : Minimum Attenuation

PERFS : Perforation Flag
PPT : Predicted Pipe Time
SRFTEMP : Surface Temperature
TDEPTH : Total Depth



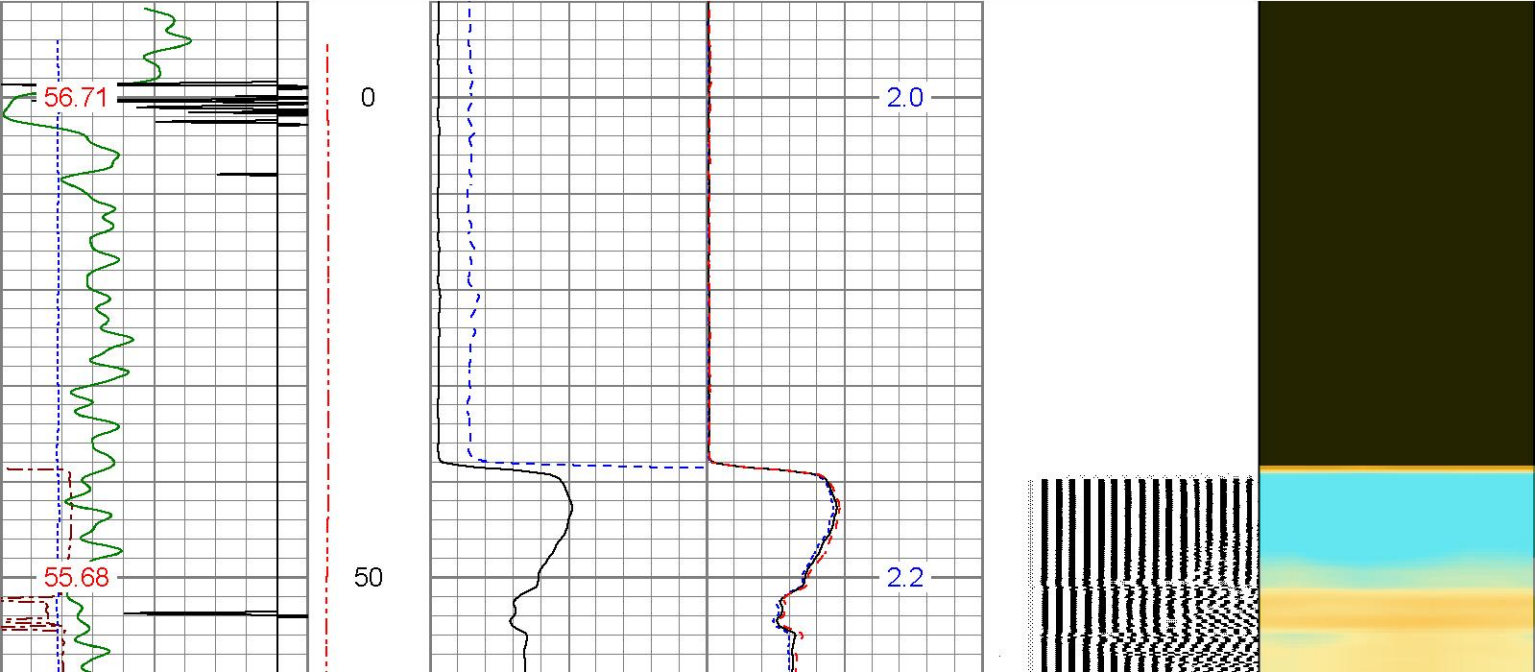
MAIN PASS

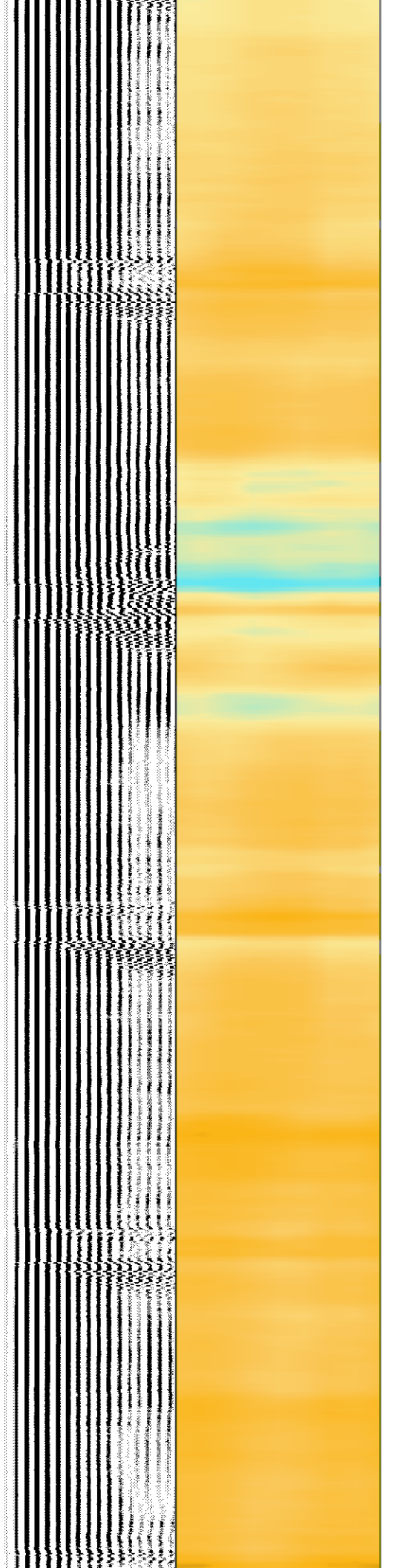
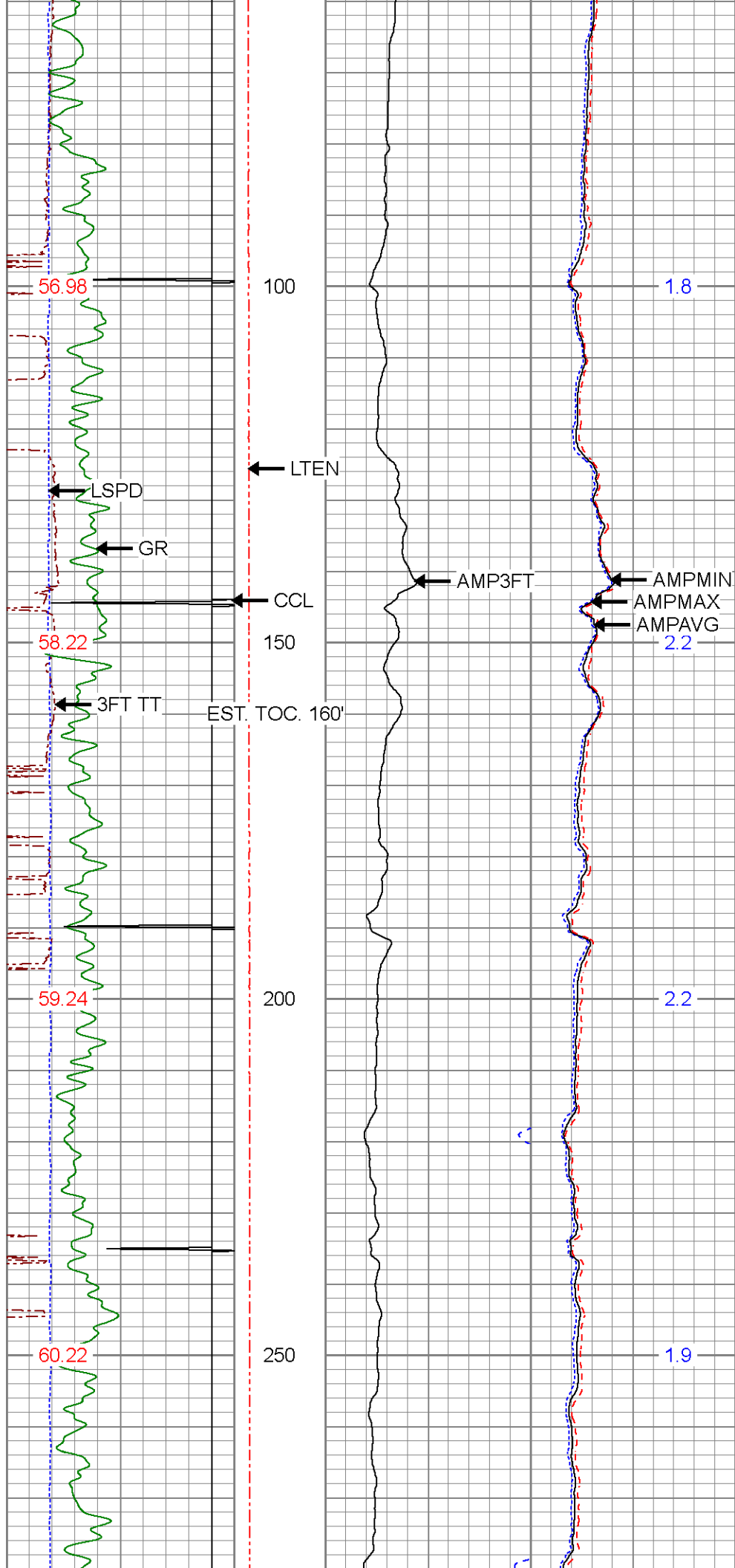
ZERO PSI APPLIED AT SURFACE

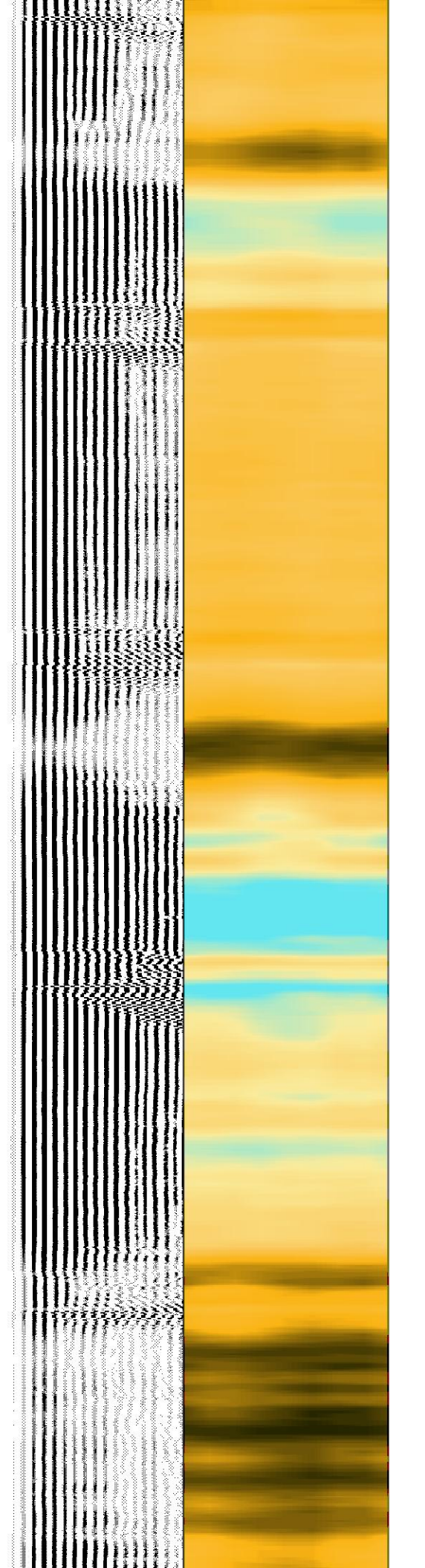
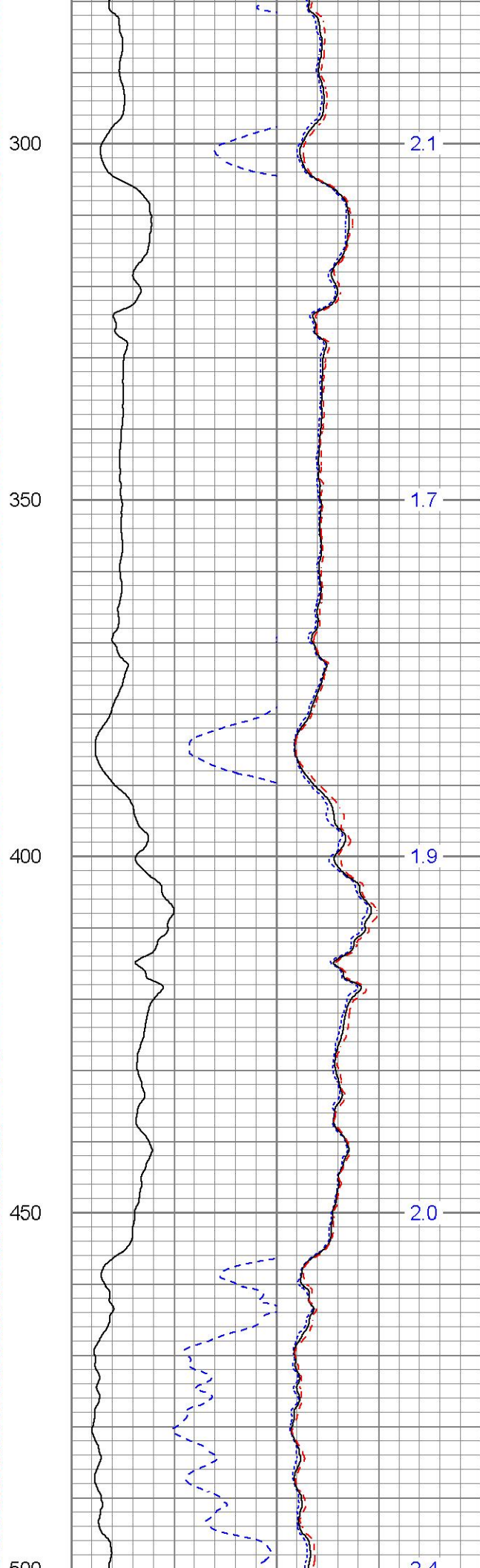
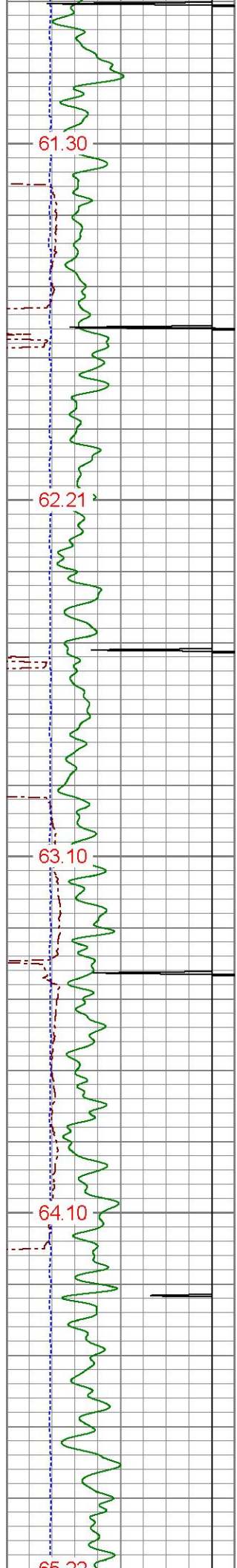
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Dataset Pathname
Presentation Format
Dataset Creation
Charted by

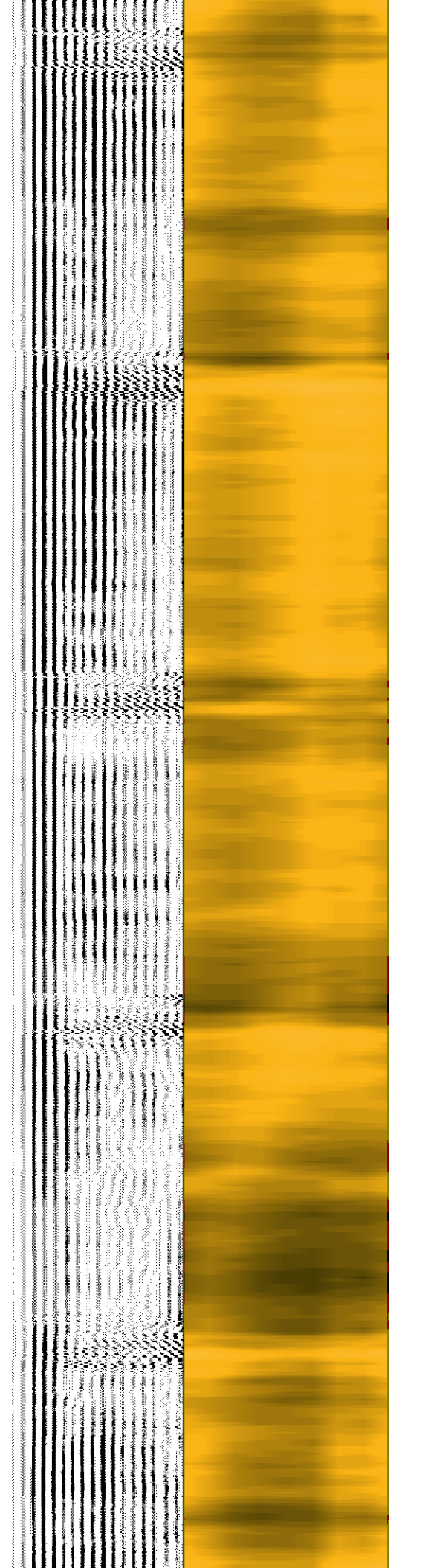
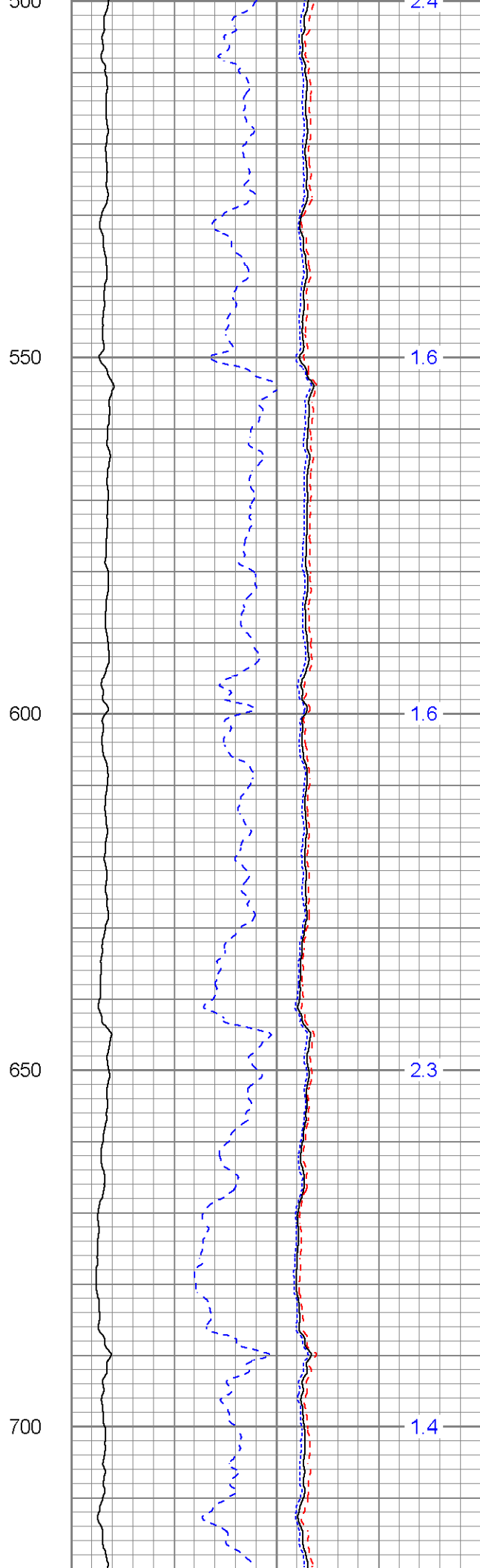
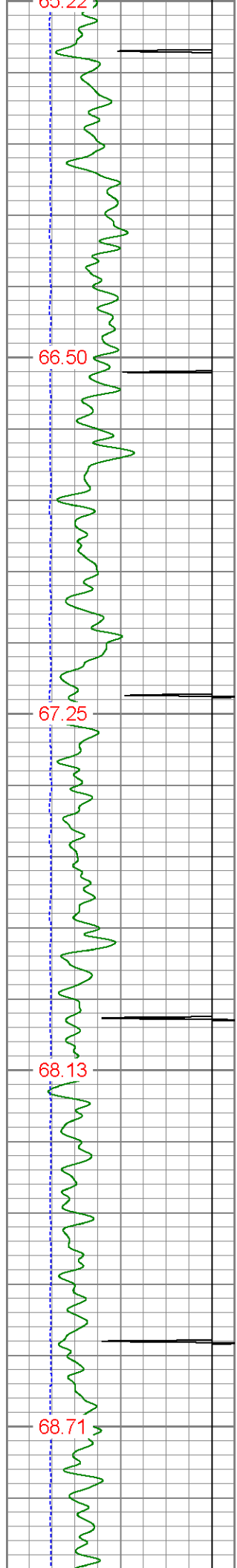
I05-668792_bayswater_onyx federal 2_0512352198_20240508_scbl-gr-ccl.db
pass4
res_scbl 8sec-gr-ccl
Wed May 08 11:16:54 2024
Depth in Feet scaled 1:240

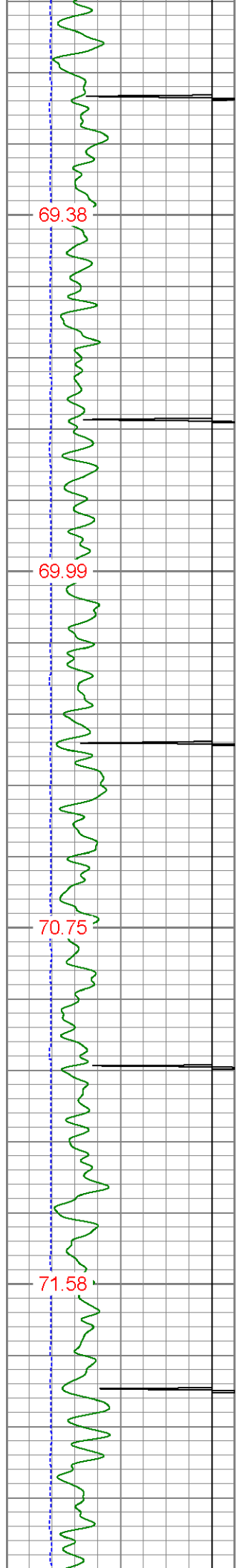
280 3FT TT (usec) 180	LTEN	3' Amplitude	0 Sector Min Amp150	200 VDL (usec) 1200	1 Sector Map 8
0 GR (GAPI) 150	(lb)	(mV) 100	Sector Avg Amp		
-150 LSPD (ft/min) 150	0 2000	3' Amplified Amplitude X 5	0 150		
-9 CCL\$1 1			Sector Max Amp		
GCT_Temp		0 (mV) 20	0 150		
(degF)			DEVIATION		
			(deg)		









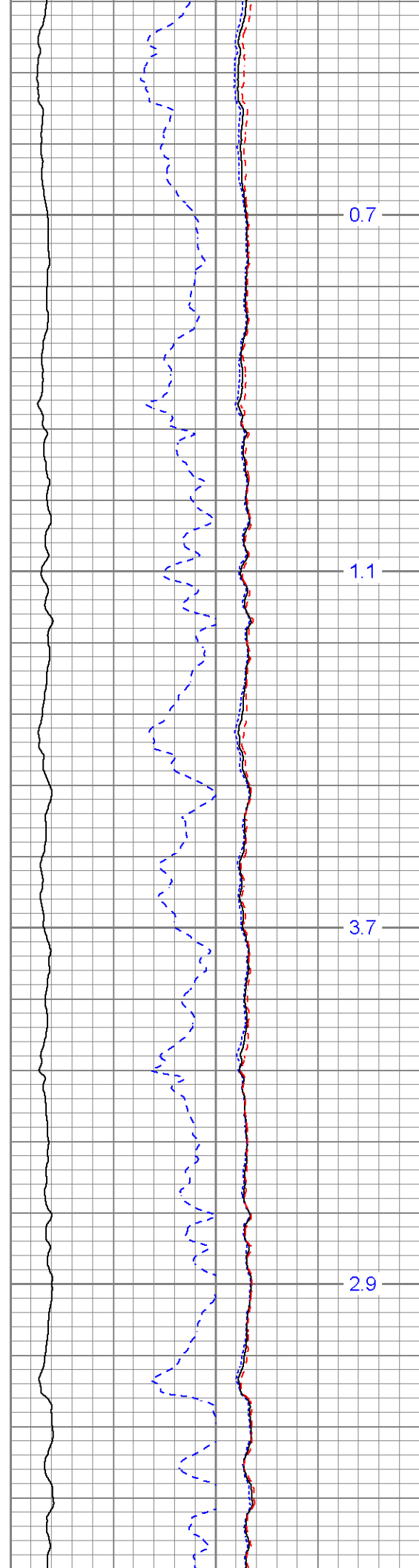


750

800

850

900

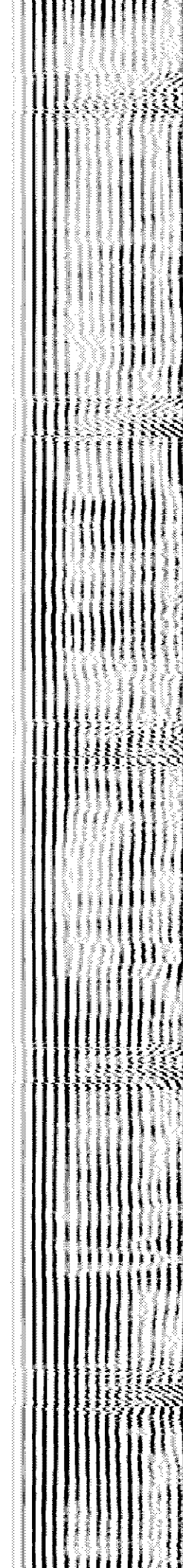


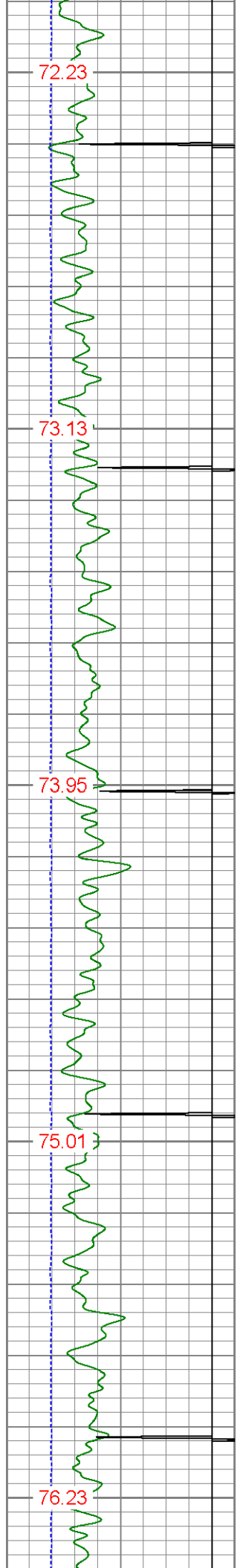
0.7

1.1

3.7

2.9





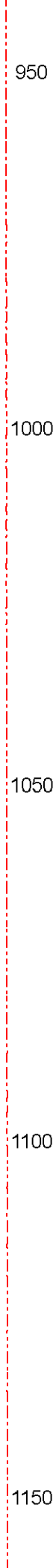
72.23

73.13

73.95

75.01

76.23



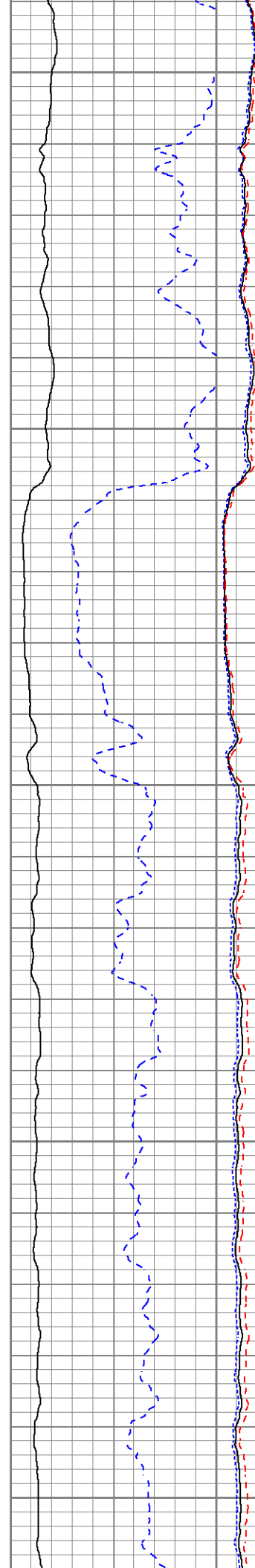
950

1000

1050

1100

1150



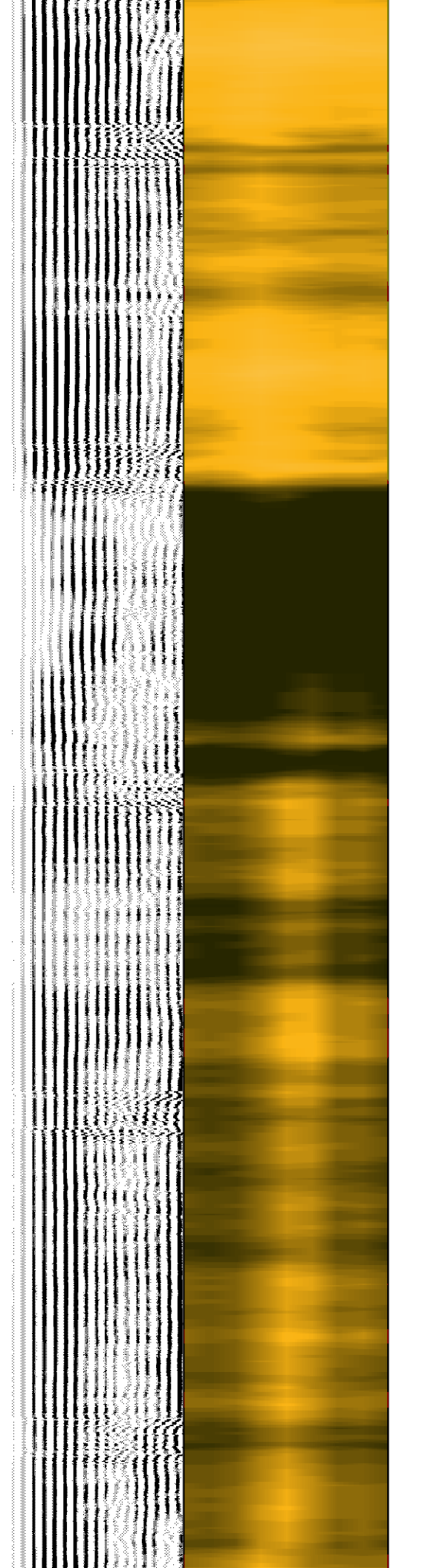
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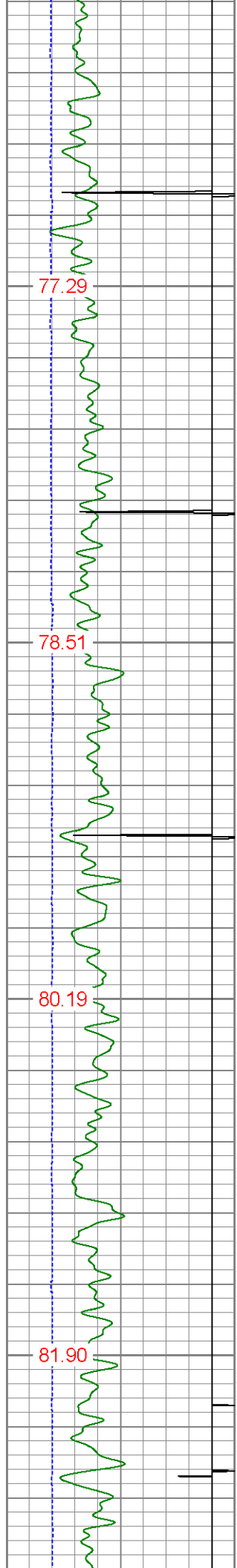
4.9

5.0

4.3

4.1





77.29

78.51

80.19

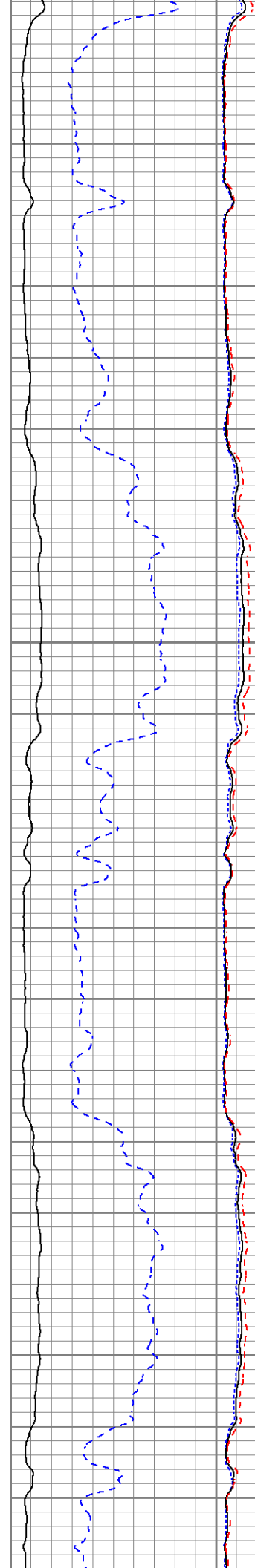
81.90

1200

1250

1300

1350

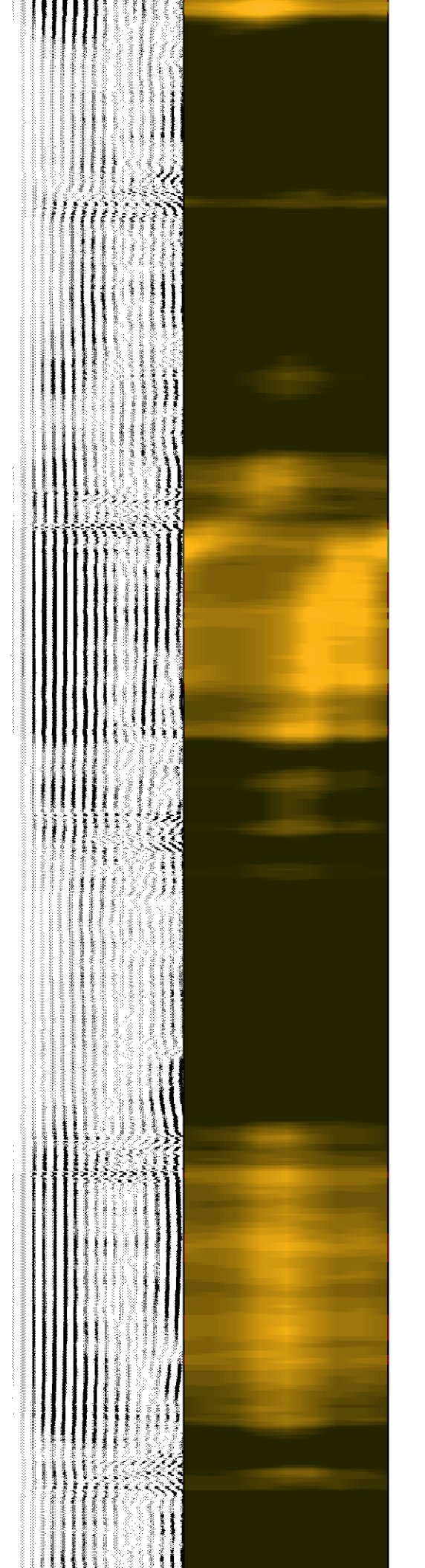


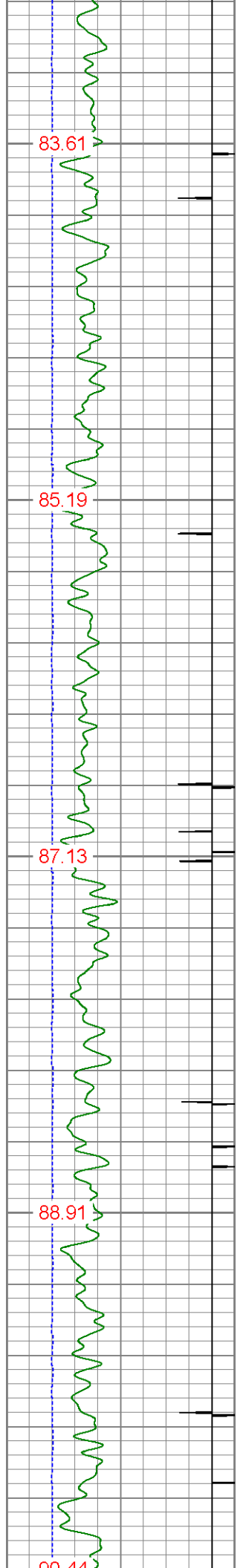
4.1

5.4

3.7

3.6





83.61

85.19

87.13

88.91

90.44

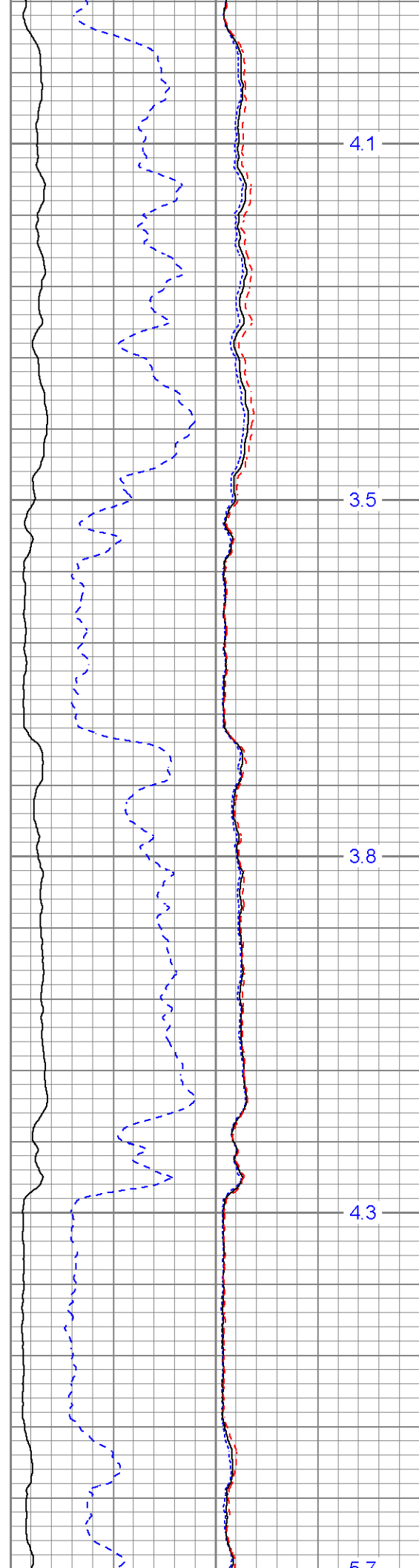
1400

1450

1500

1550

1600



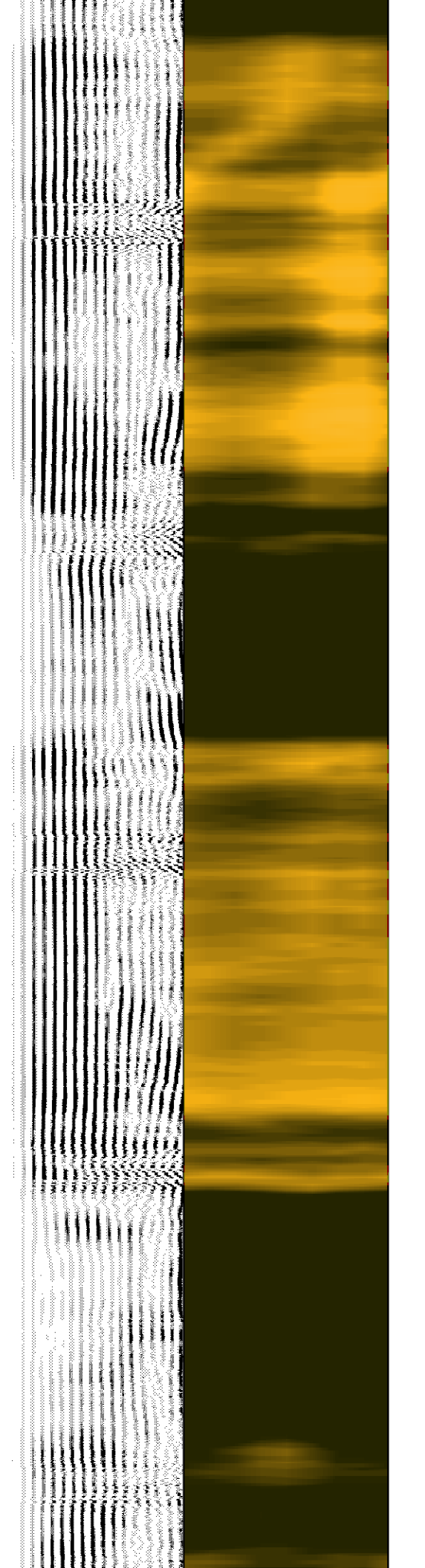
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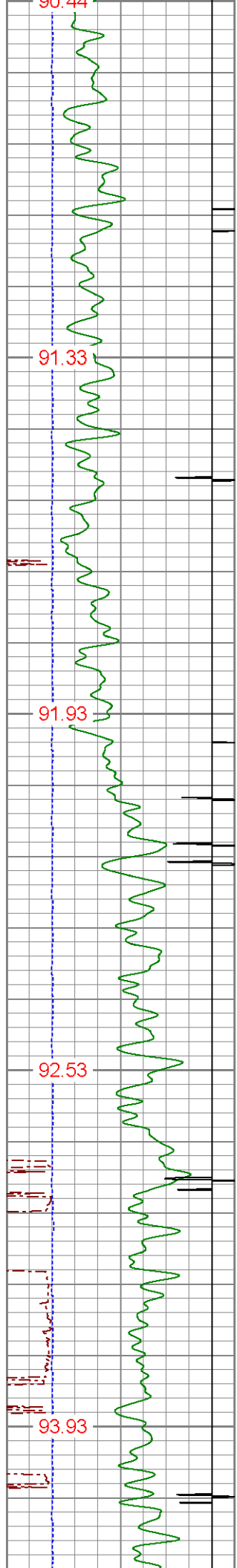
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3.8

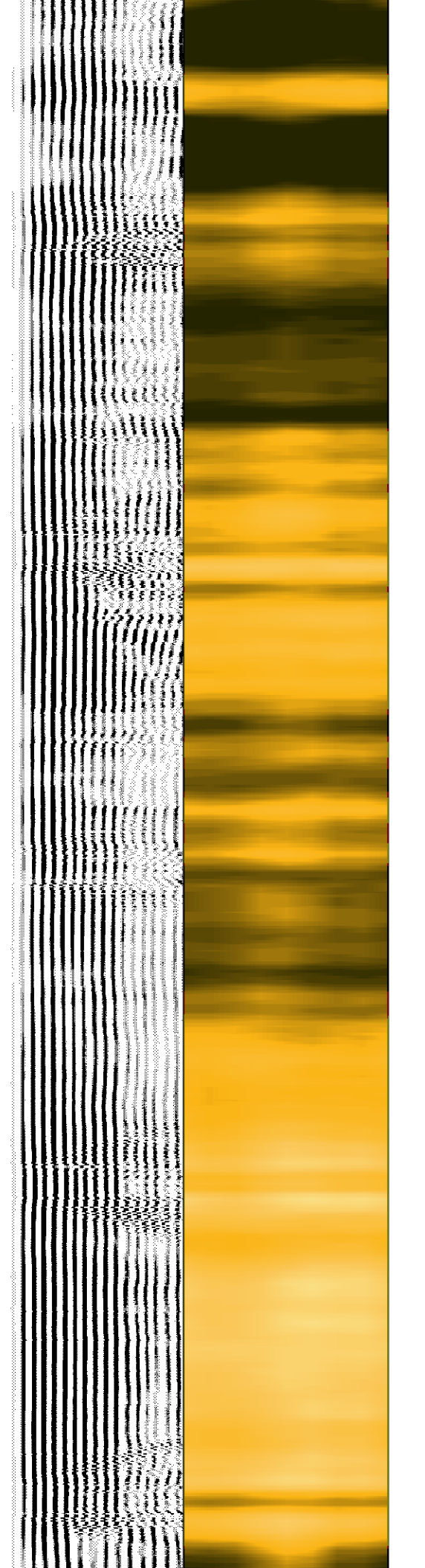
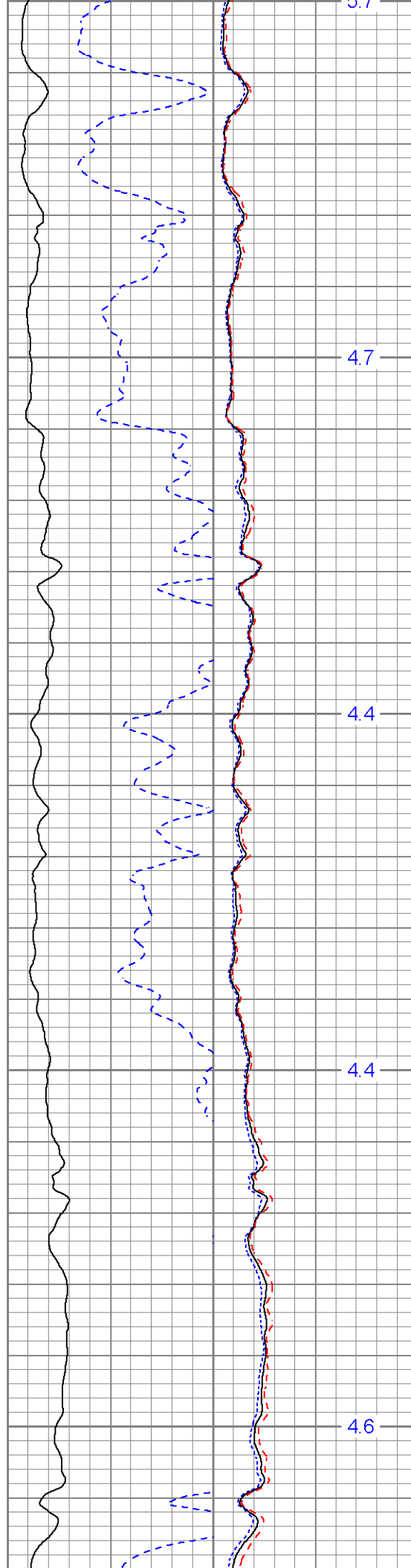
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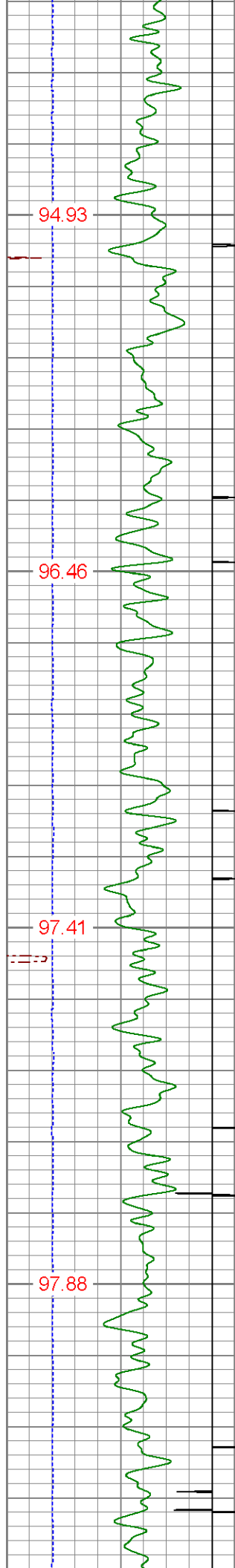
5.7





1600
1650
1700
1750
1800



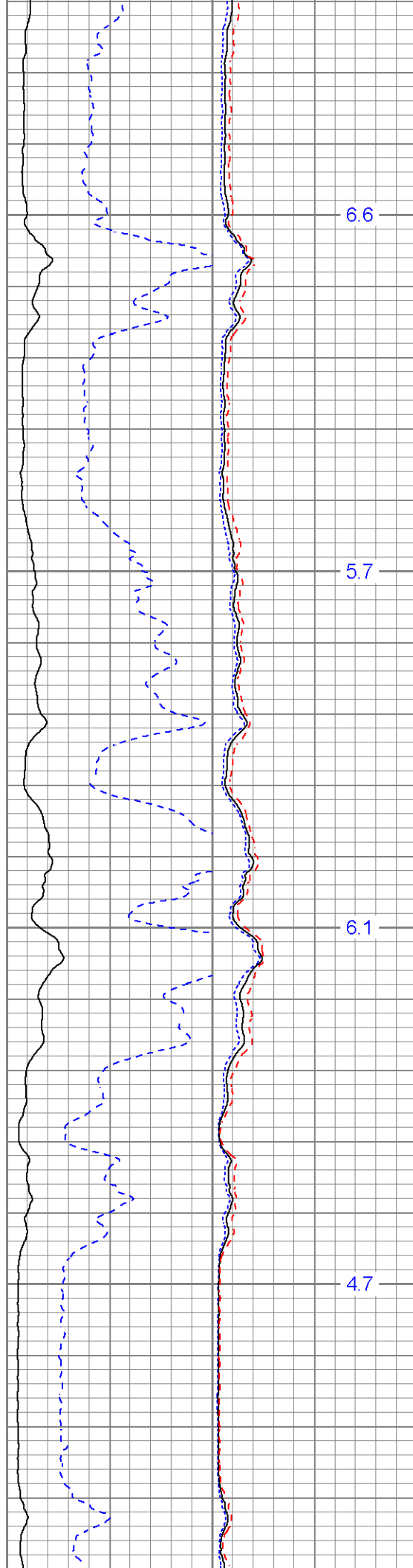


1850

1900

1950

2000

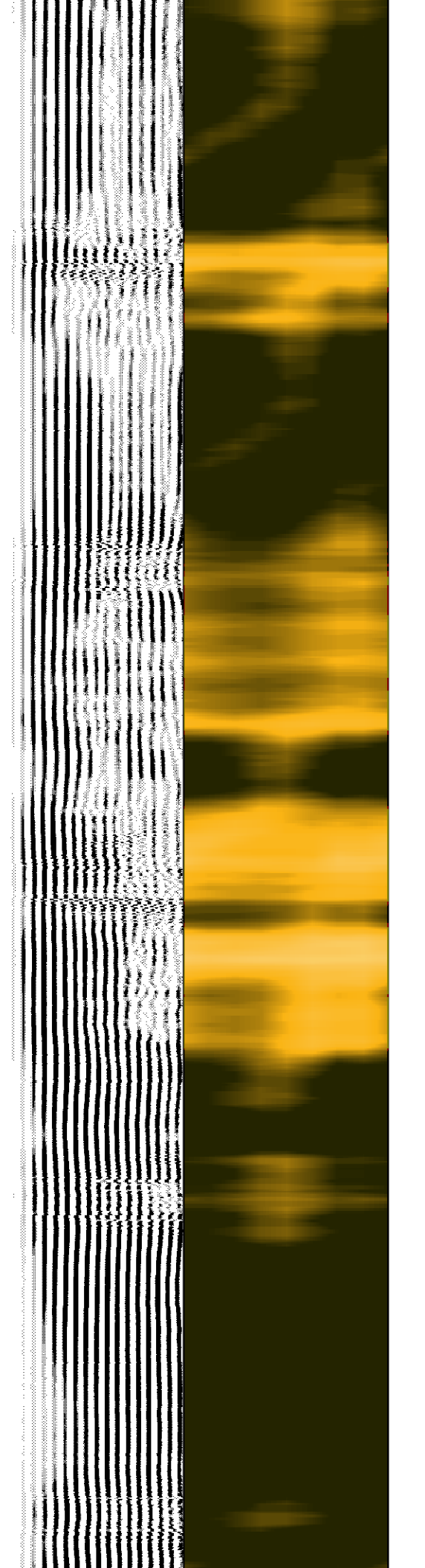


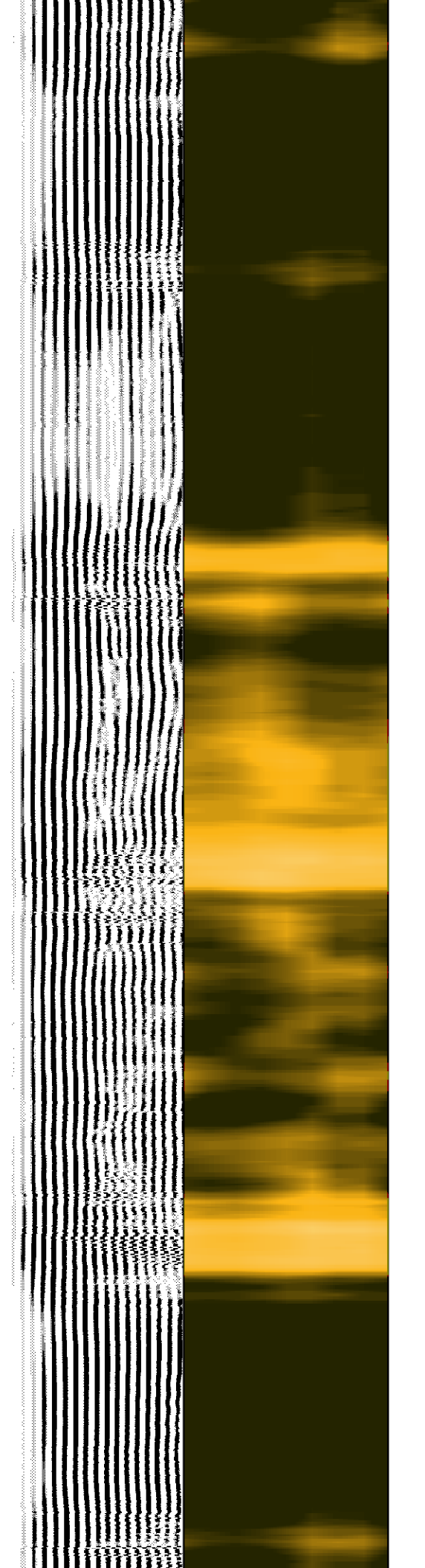
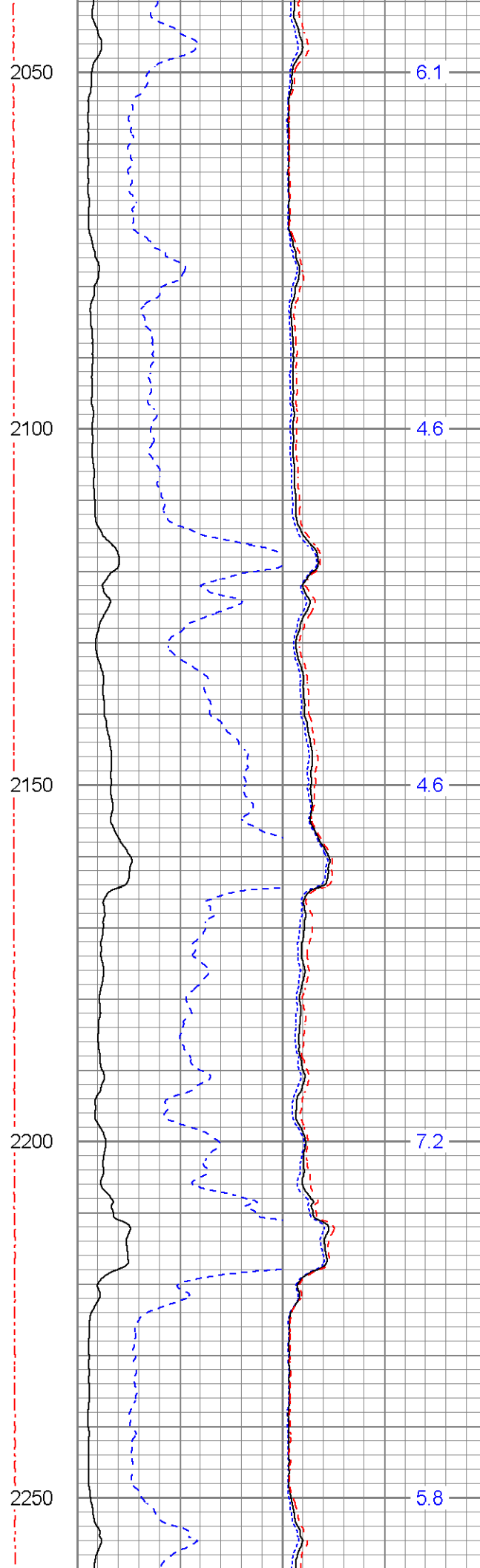
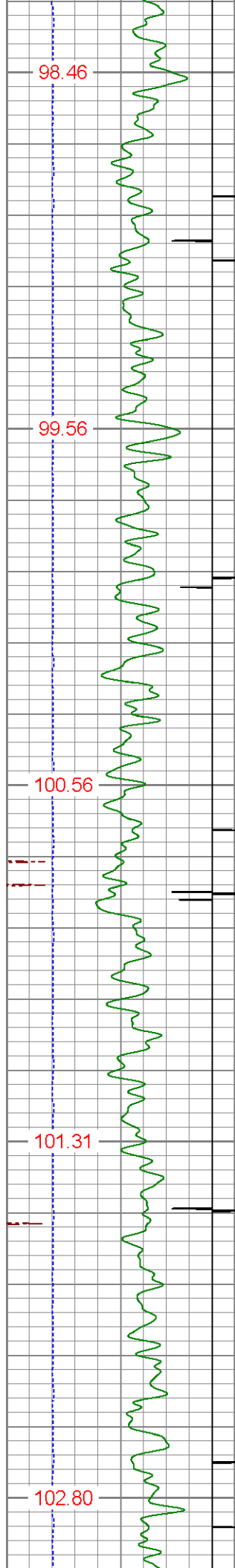
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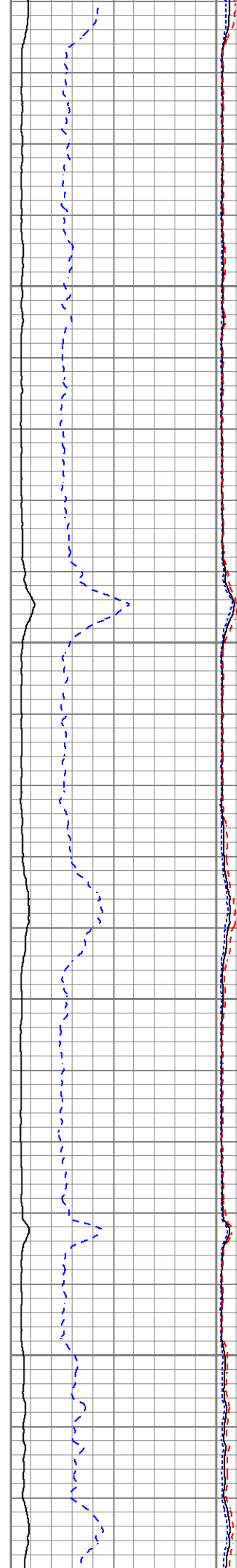
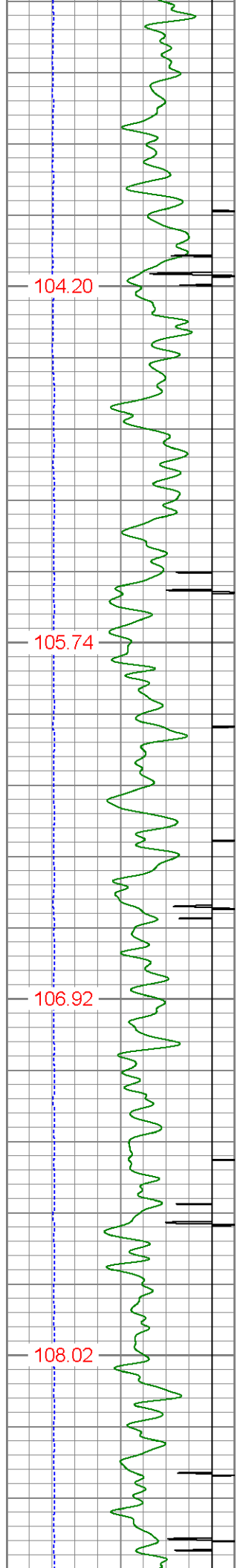
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6.1

4.7





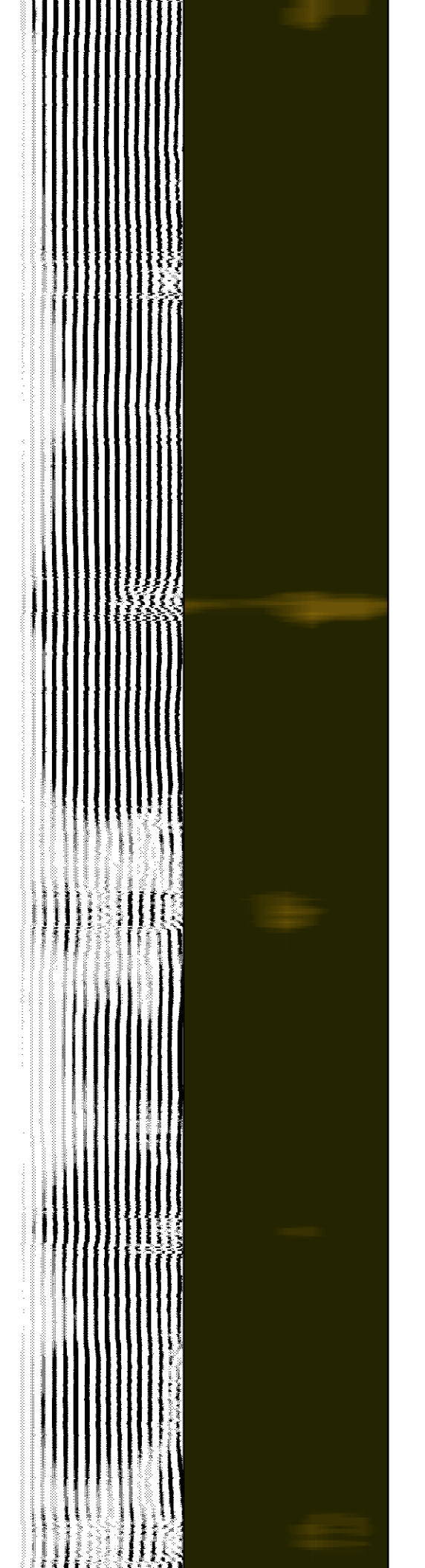


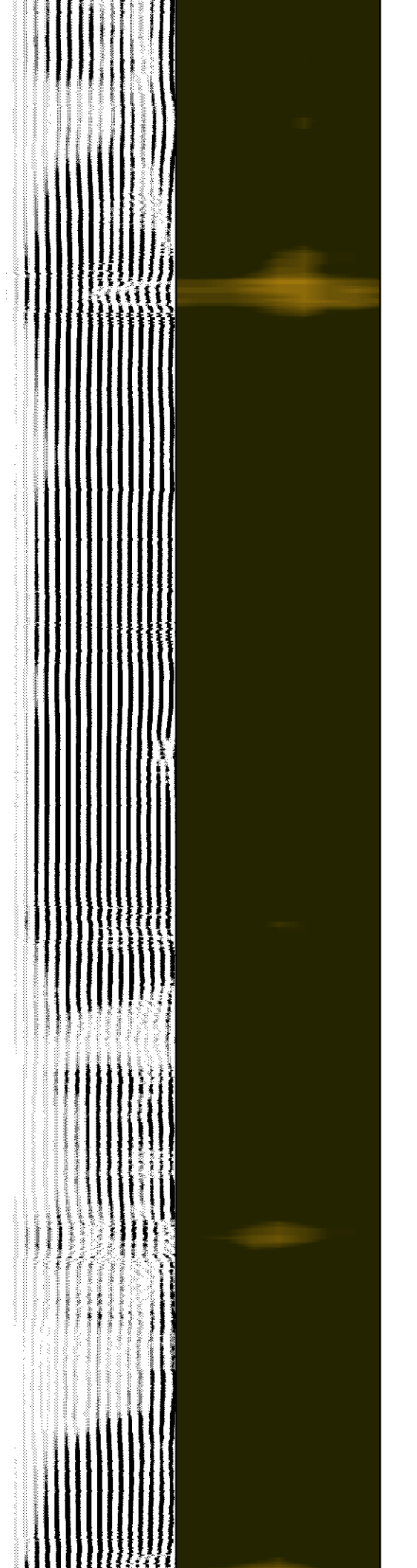
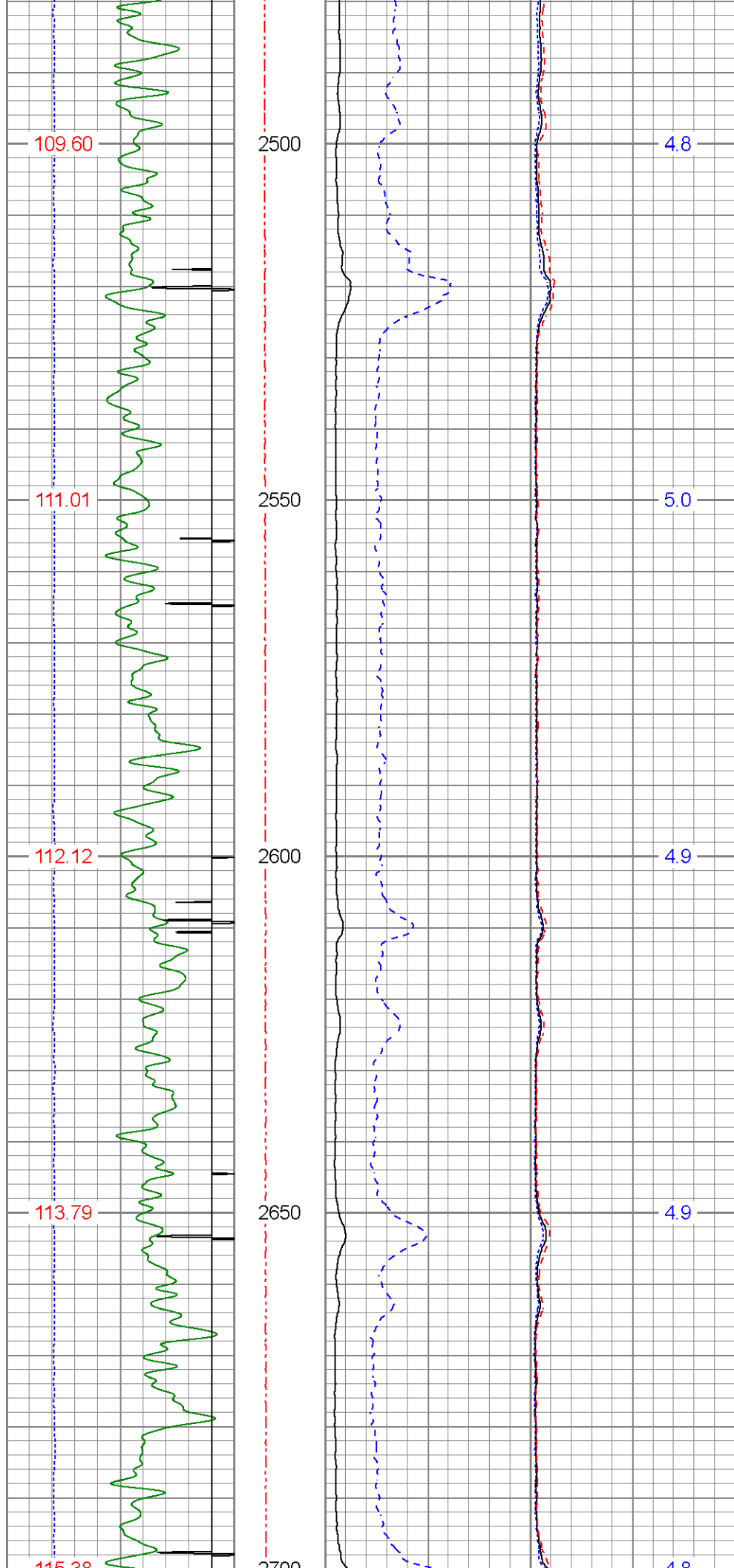
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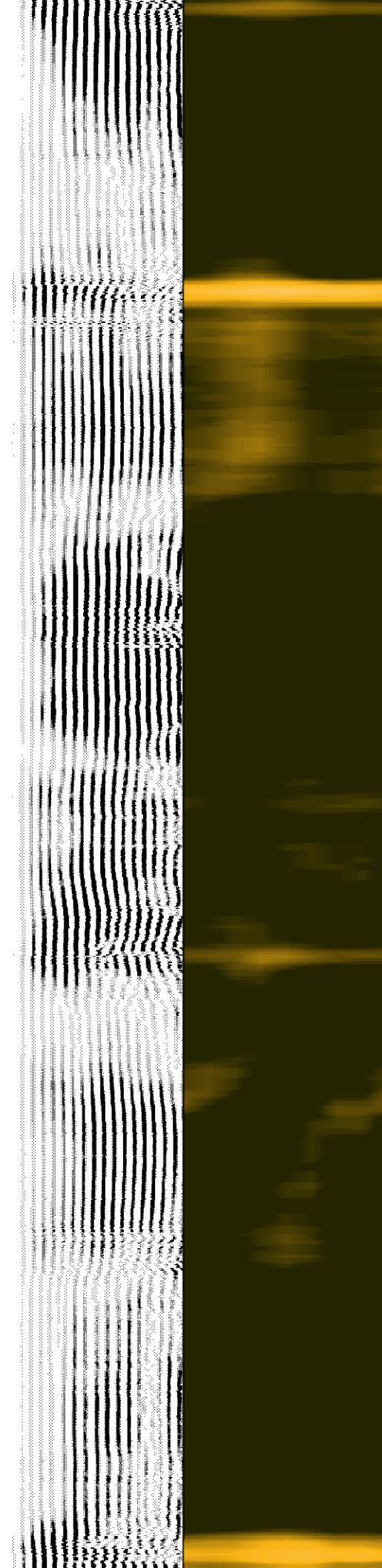
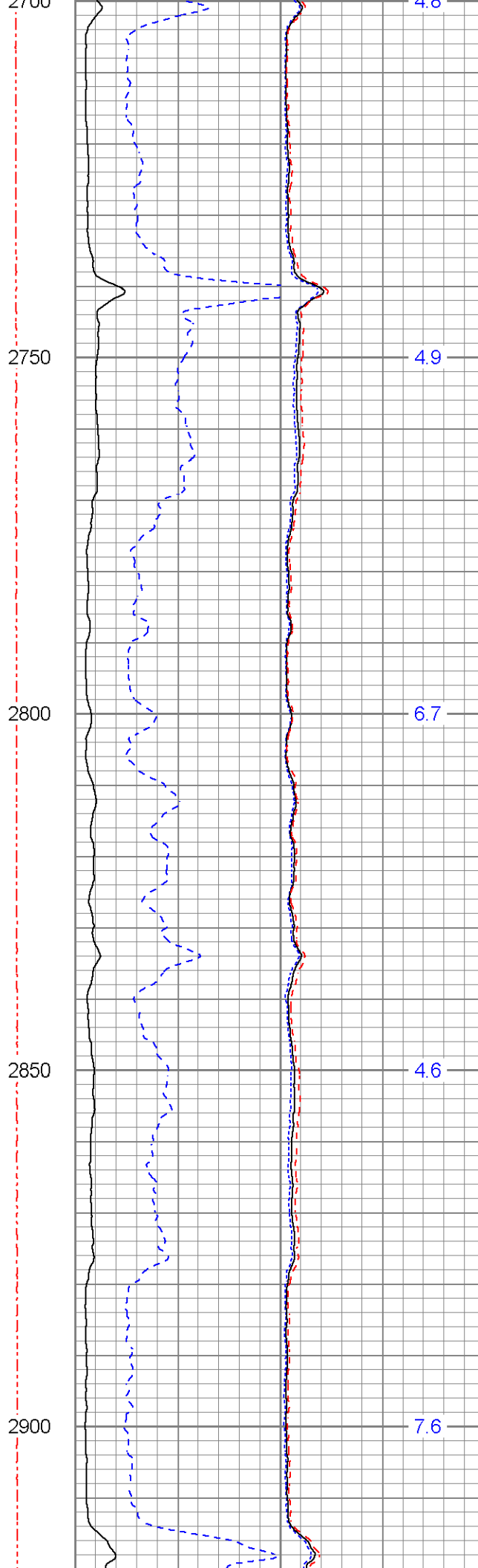
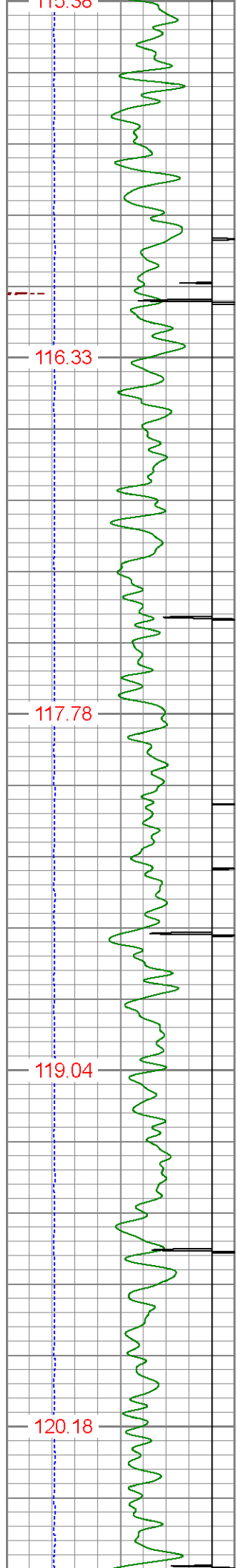
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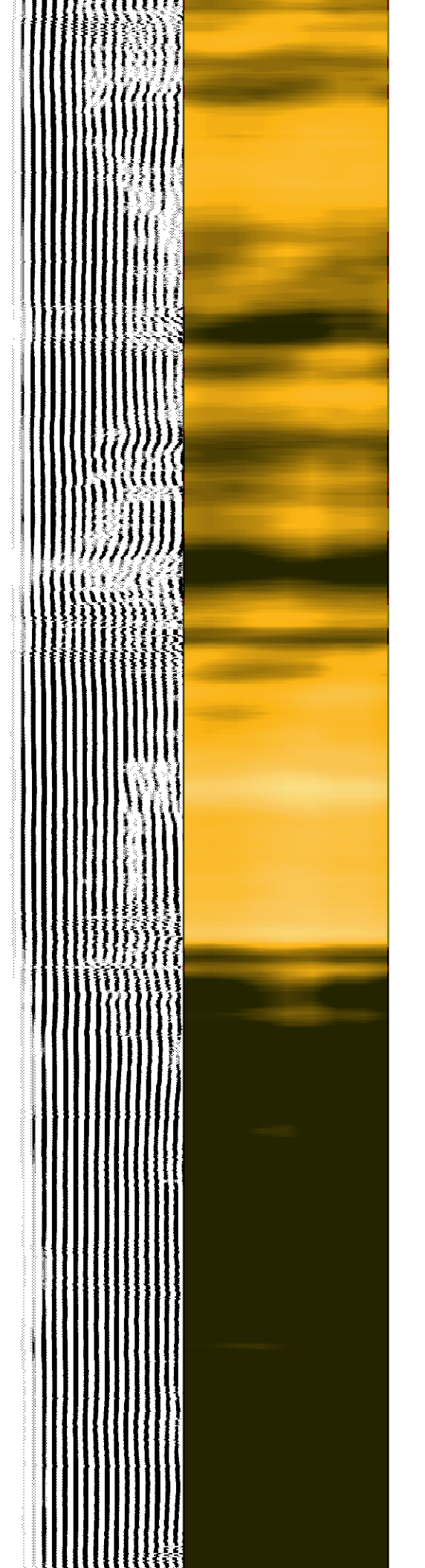
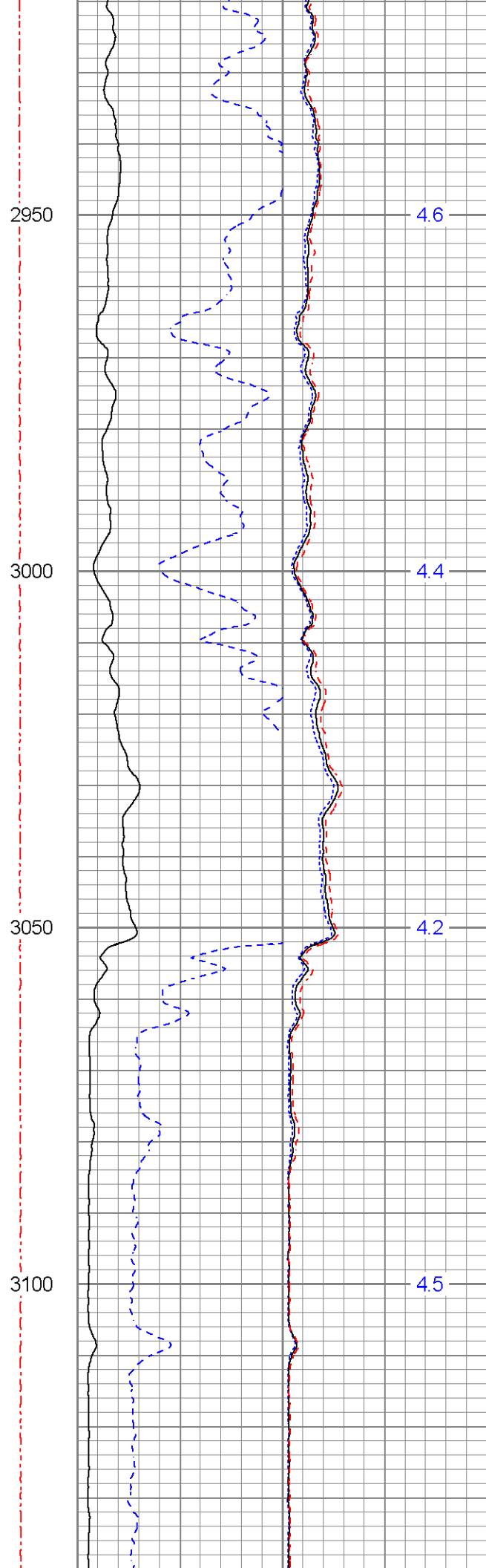
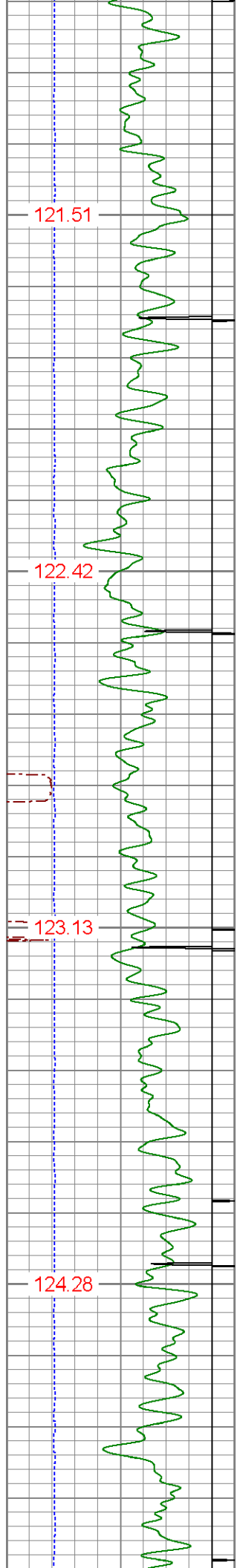
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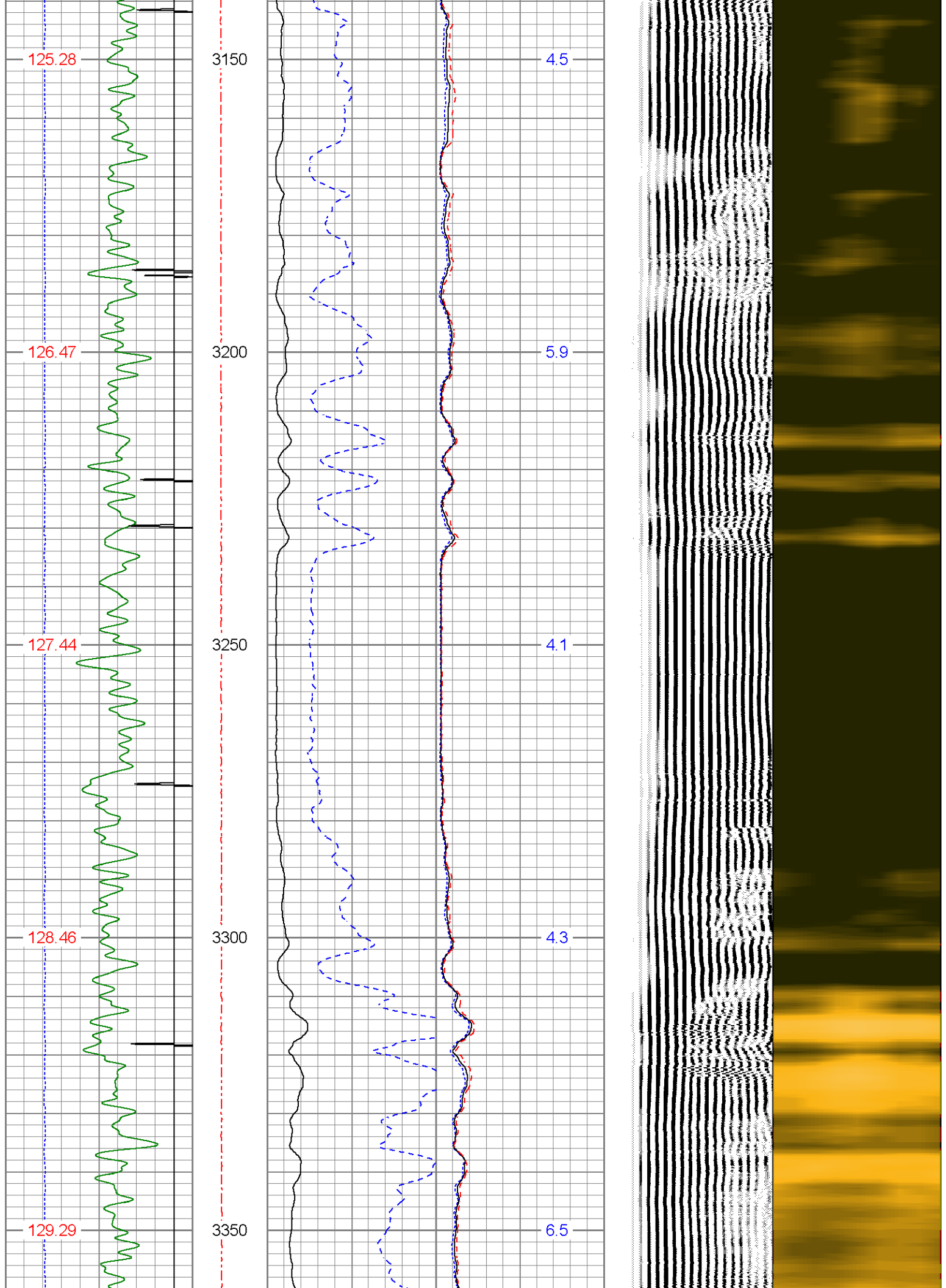
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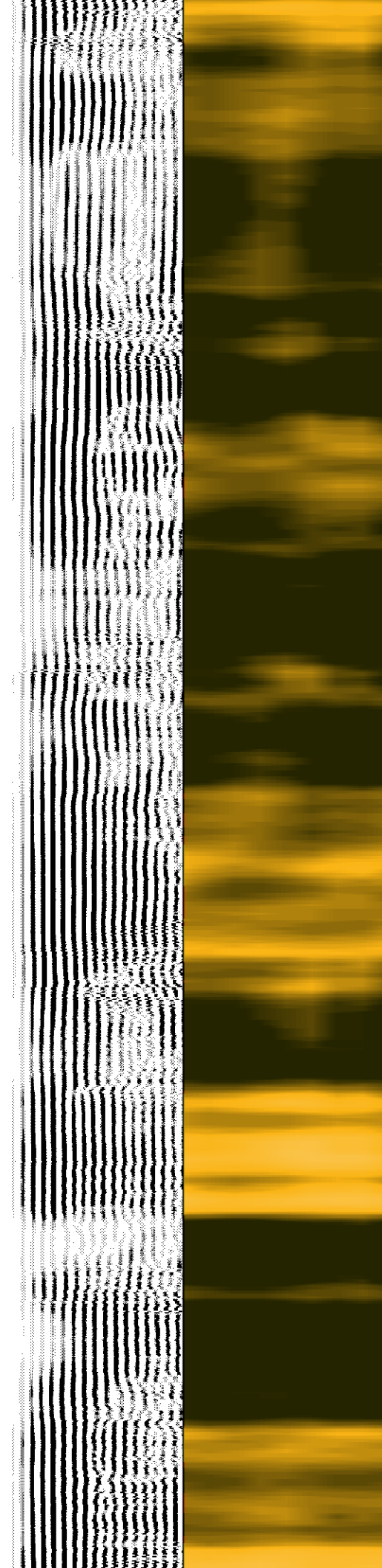
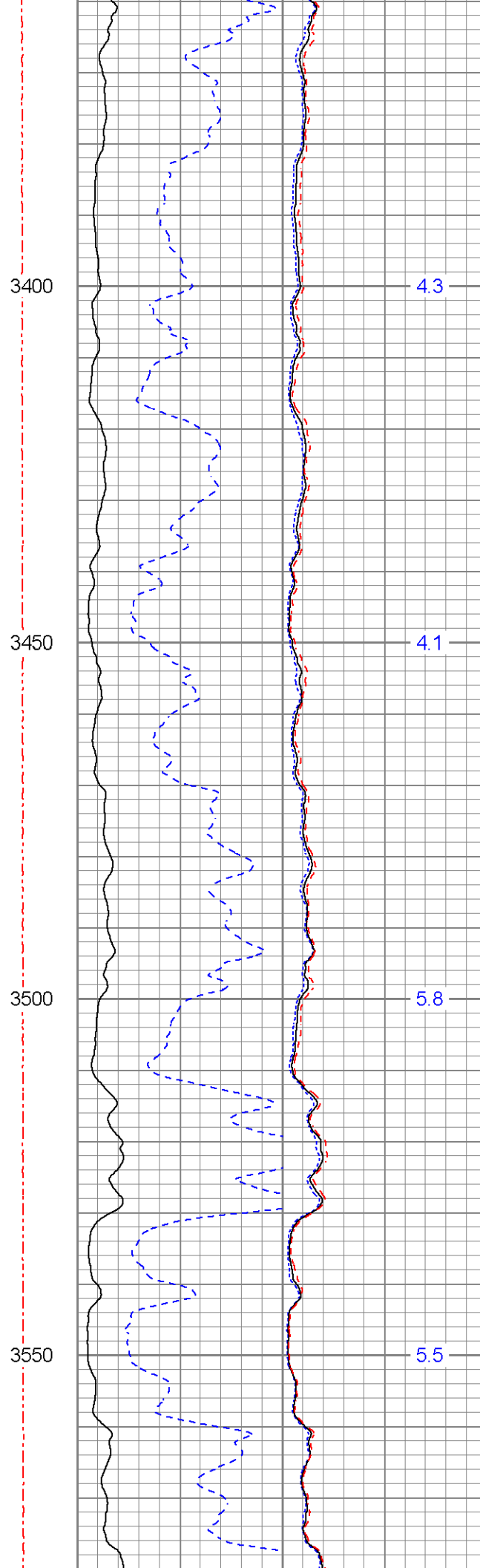
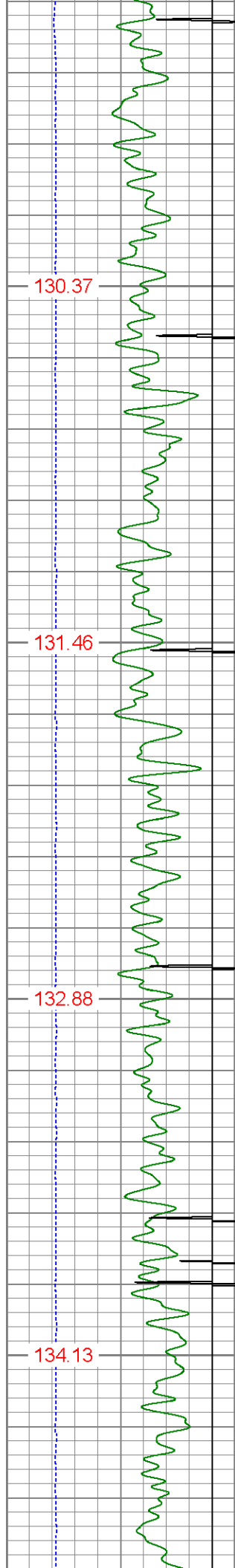


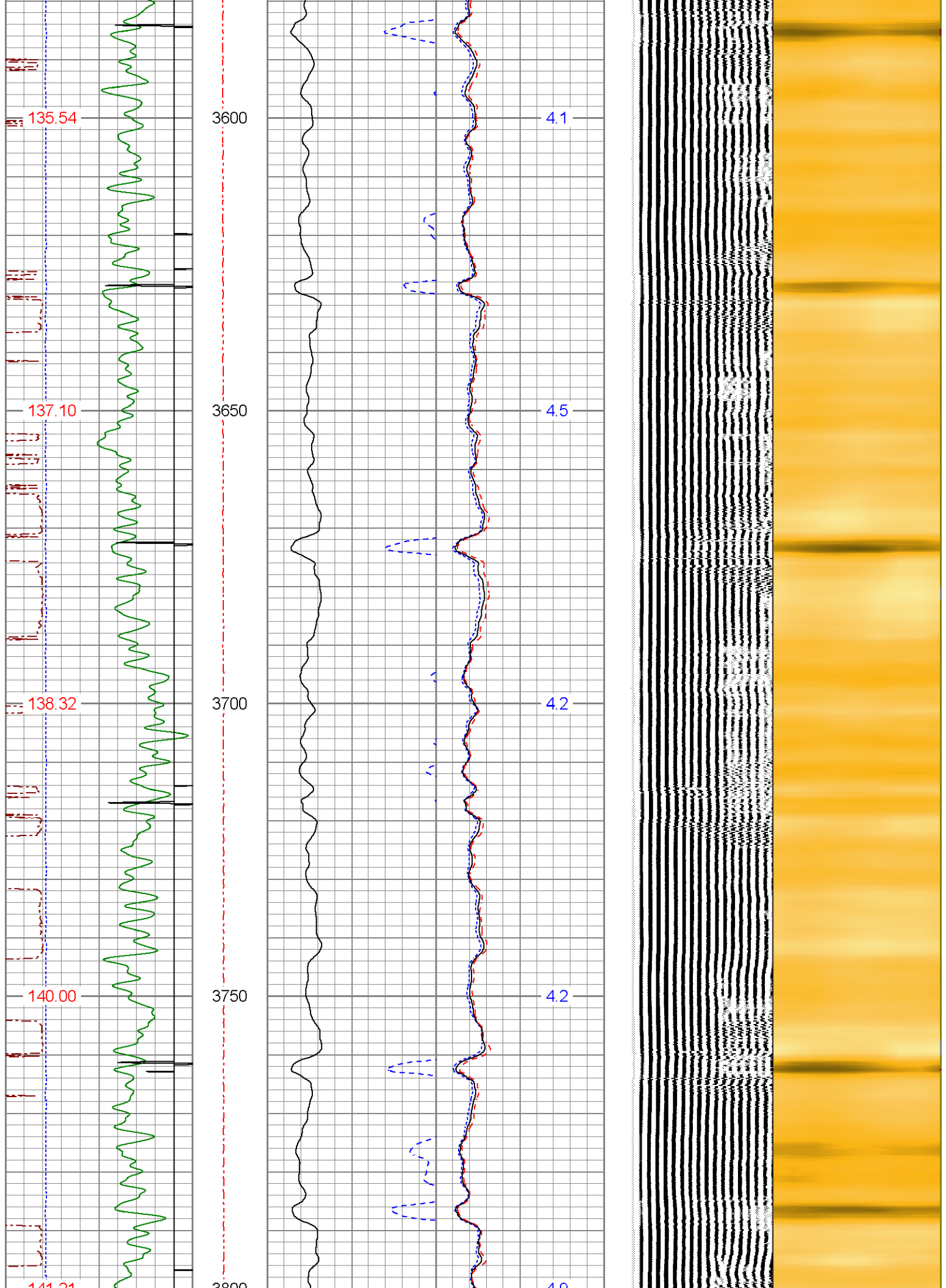


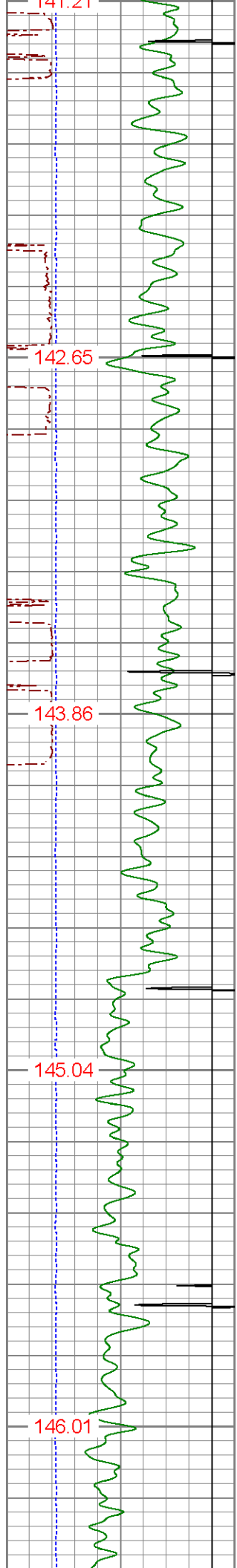




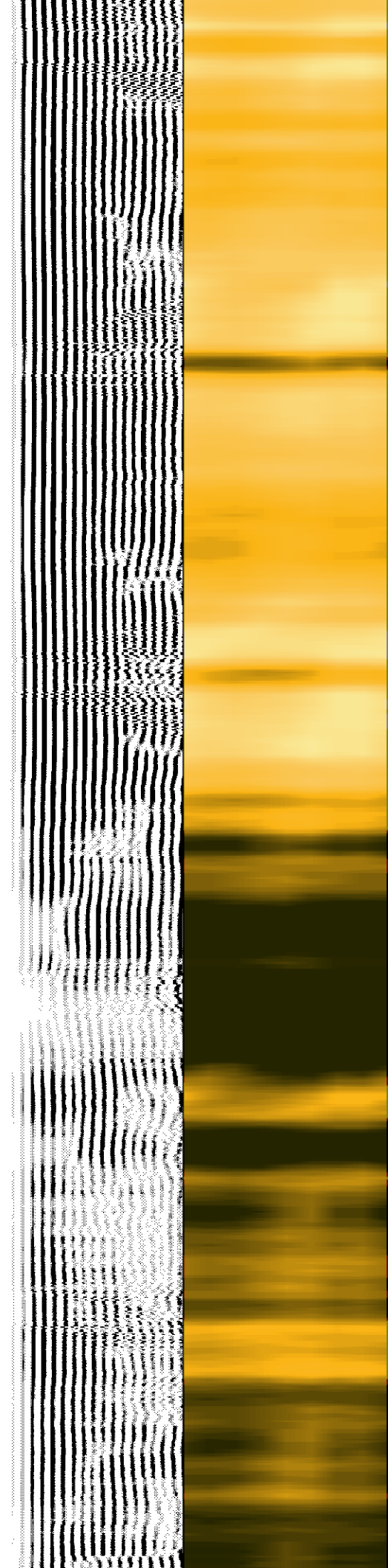
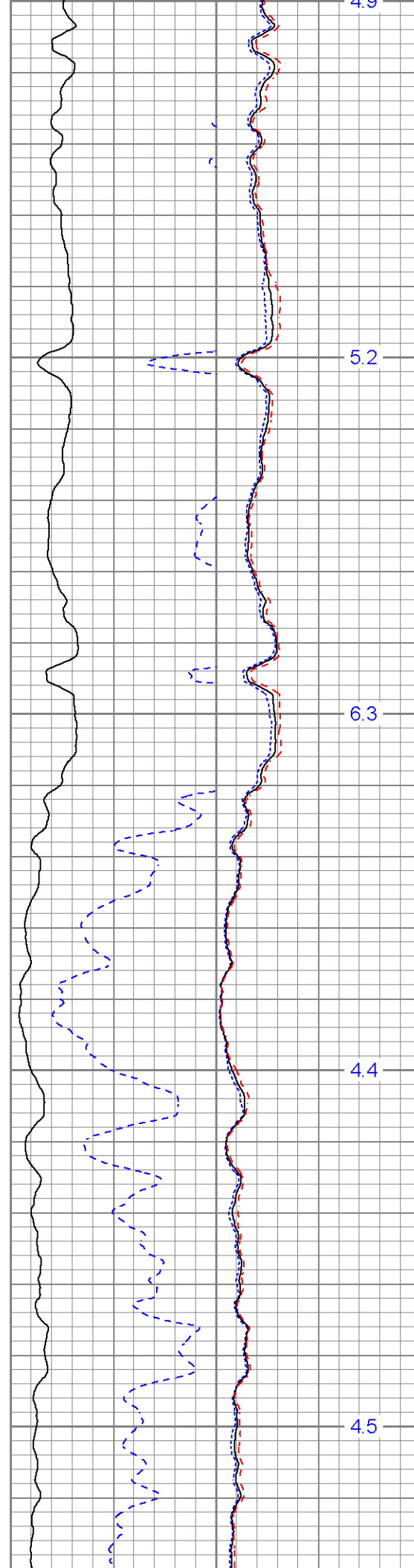


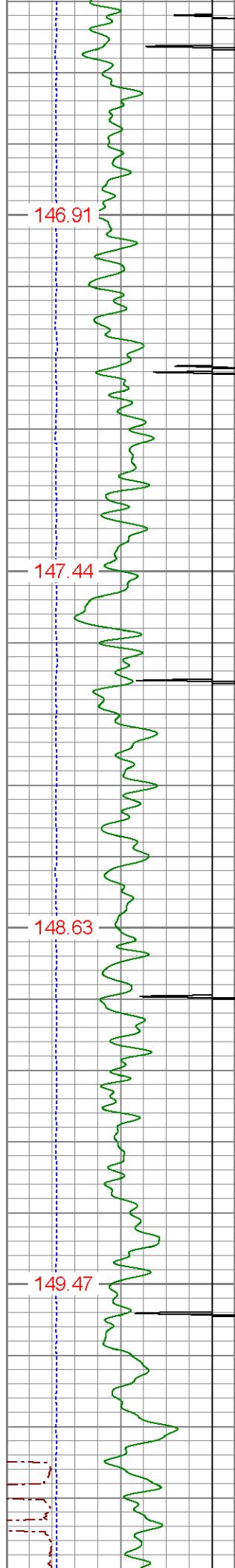






3800
3850
3900
3950
4000



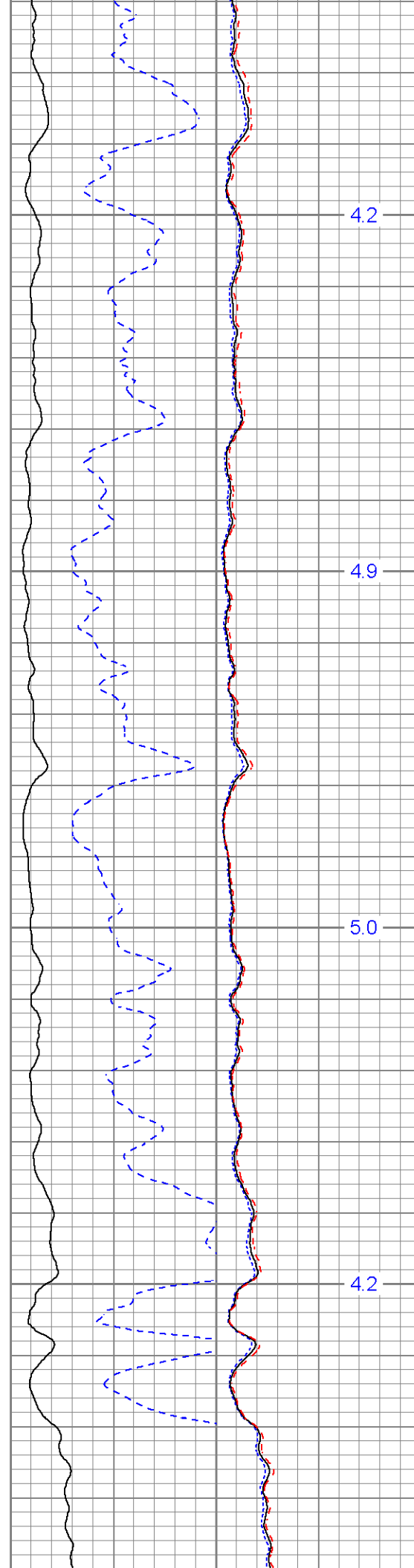


4050

4100

4150

4200

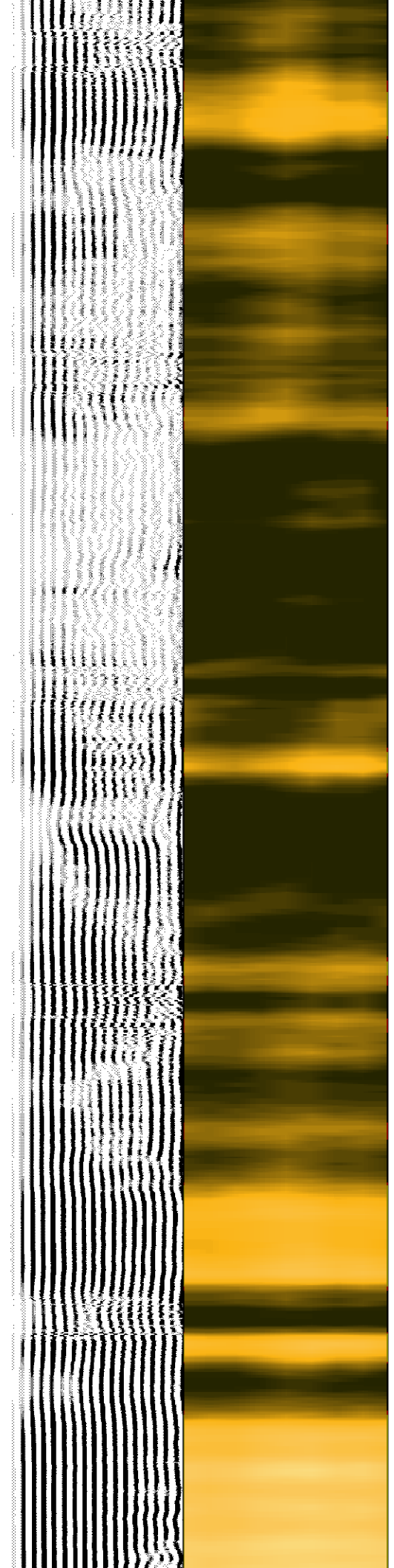


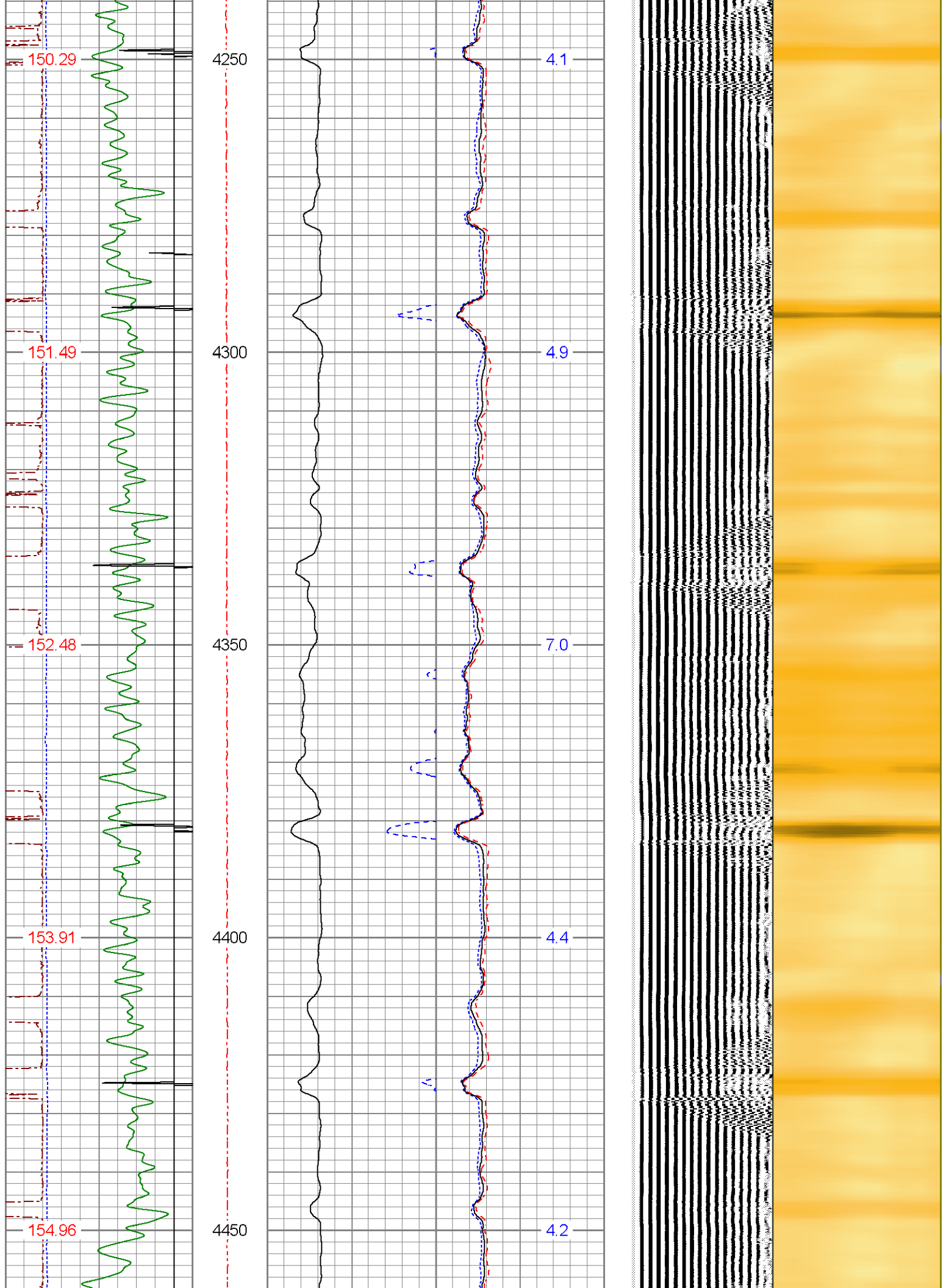
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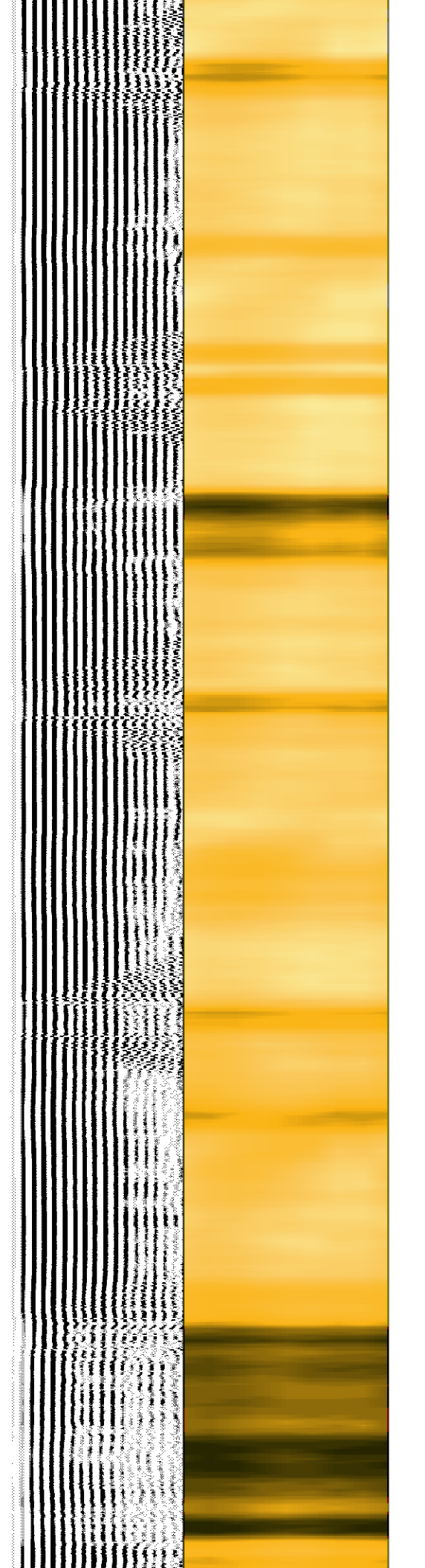
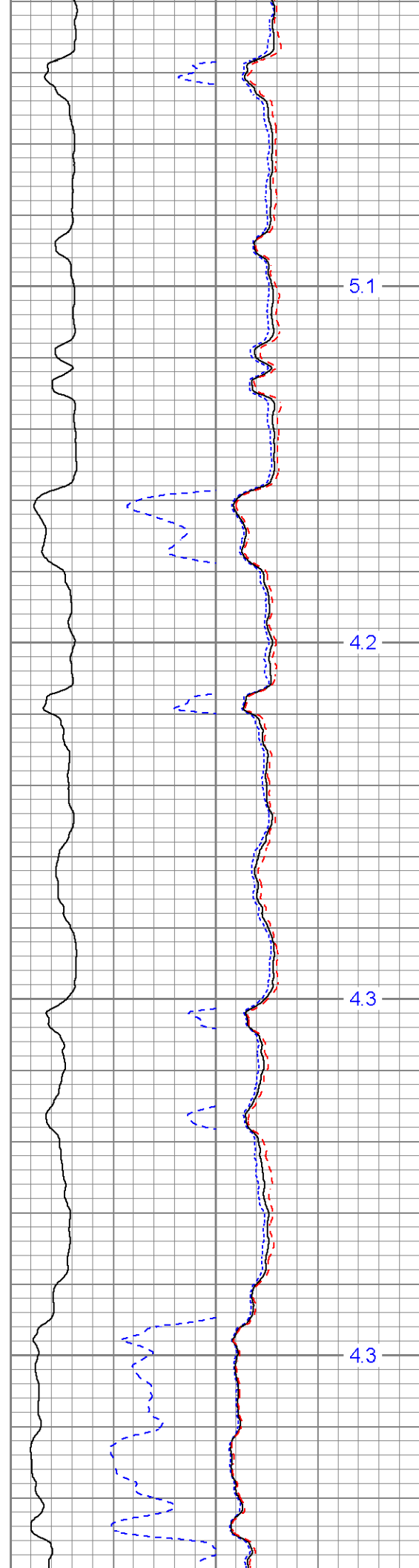
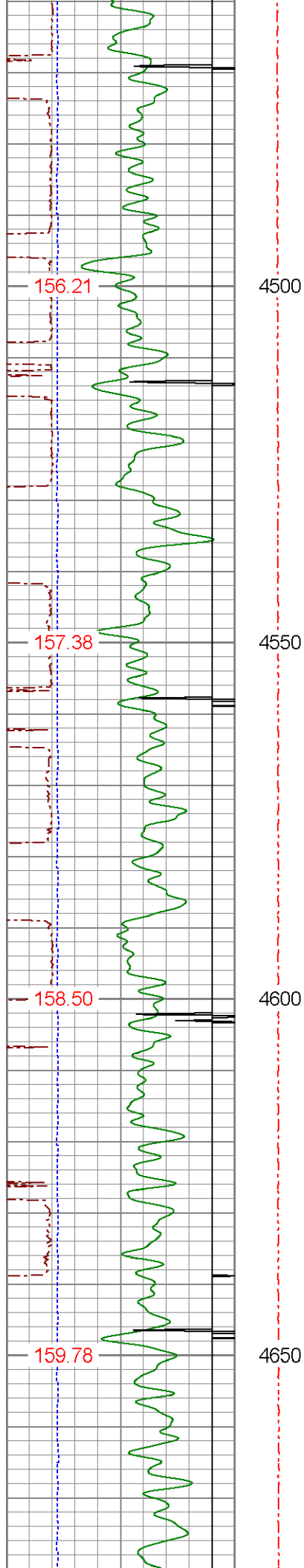
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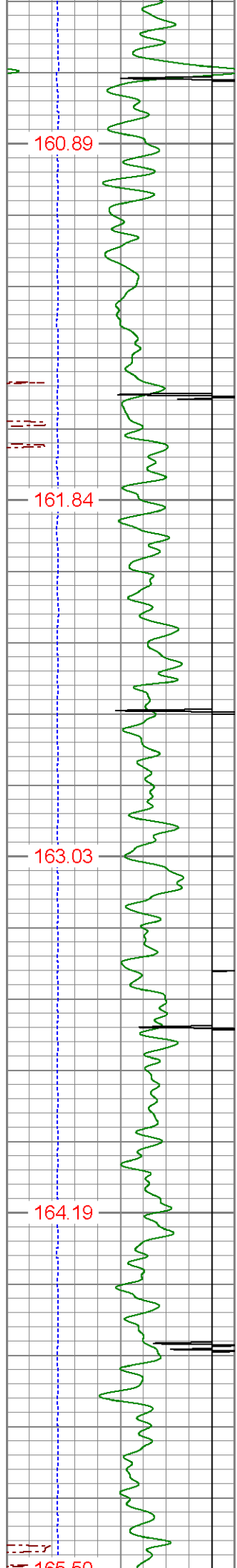
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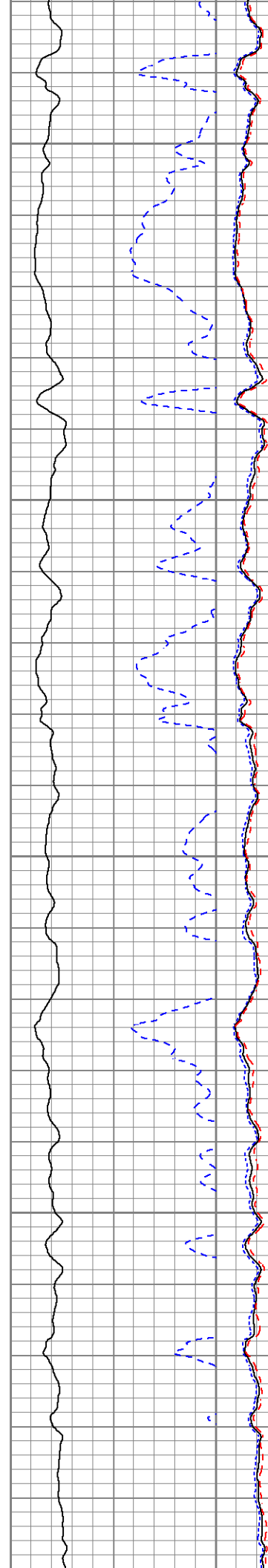




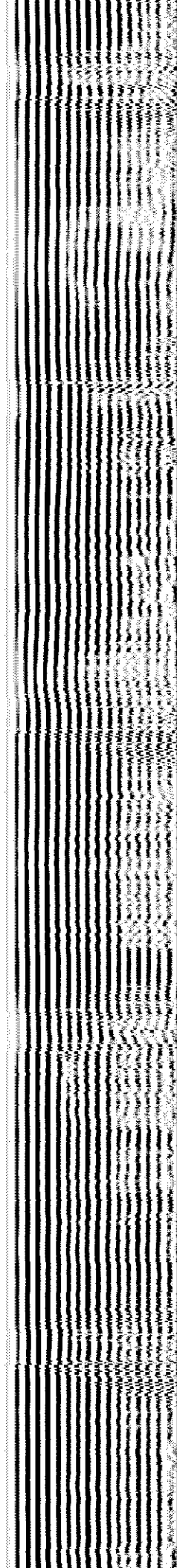


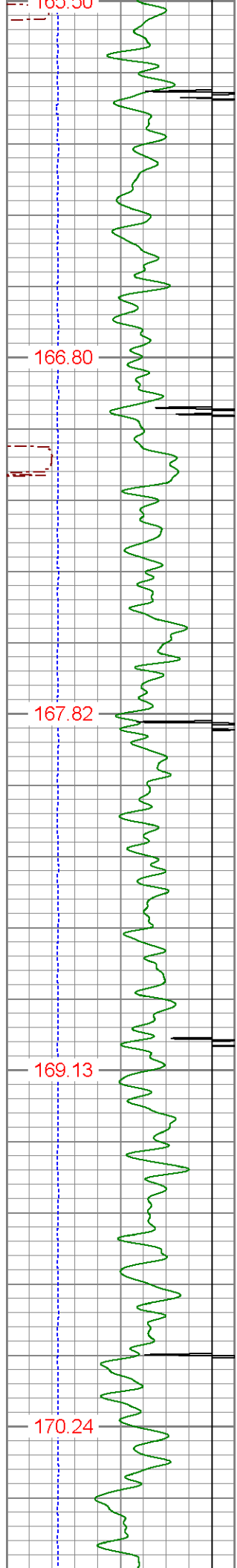


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4750
4800
4850
4900

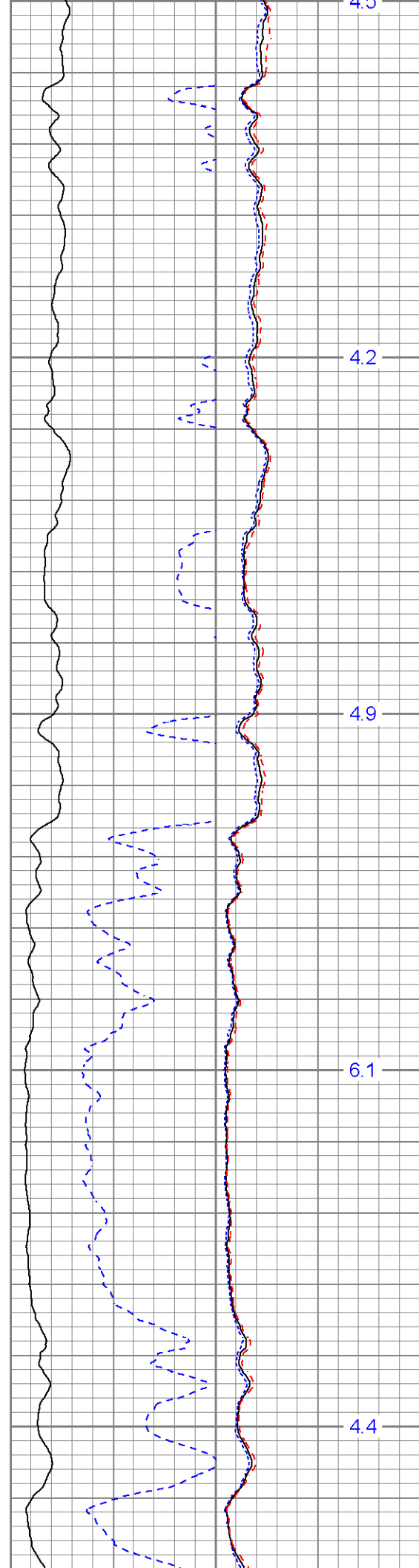


4.1
4.6
4.4
6.0
4.5

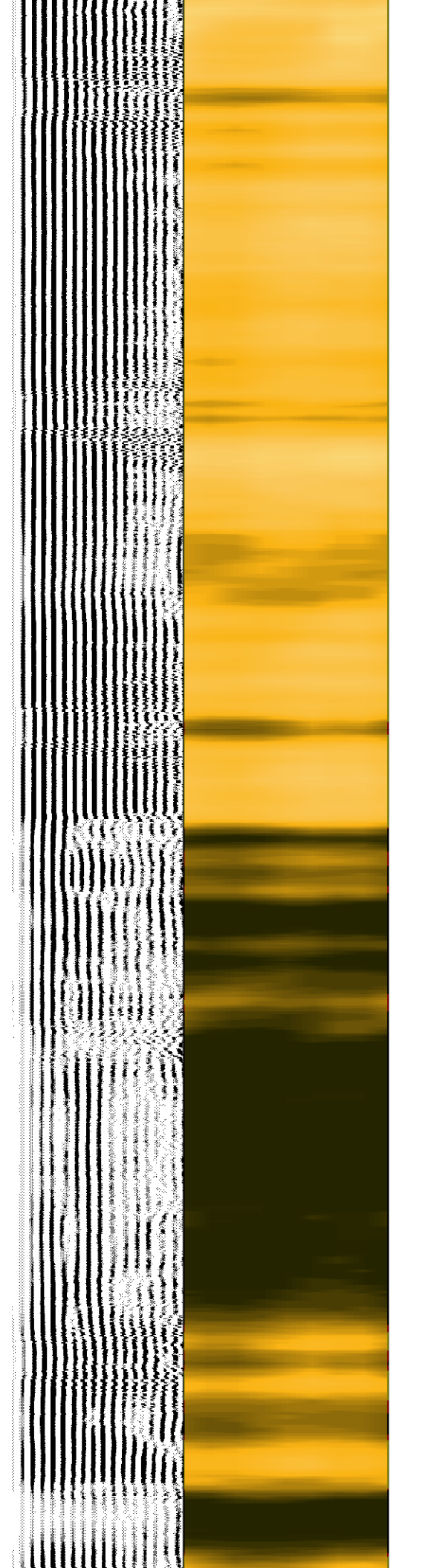


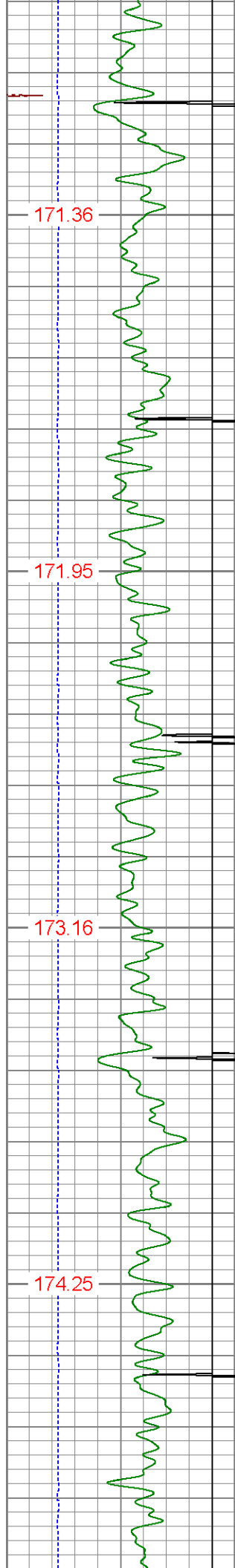


4900
4950
5000
5050
5100



4.5
4.2
4.9
6.1
4.4



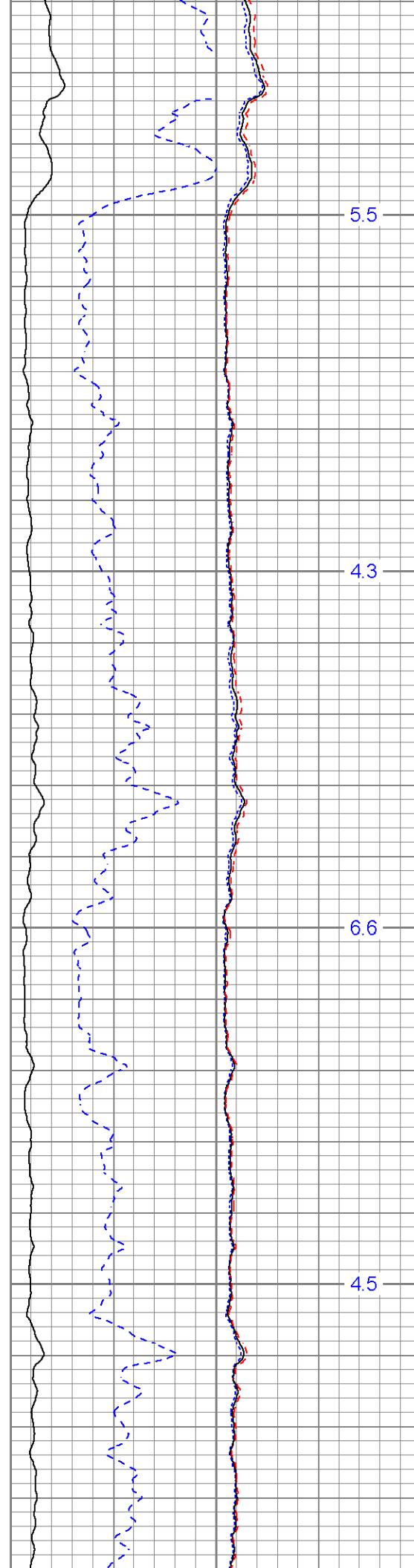


5150

5200

5250

5300

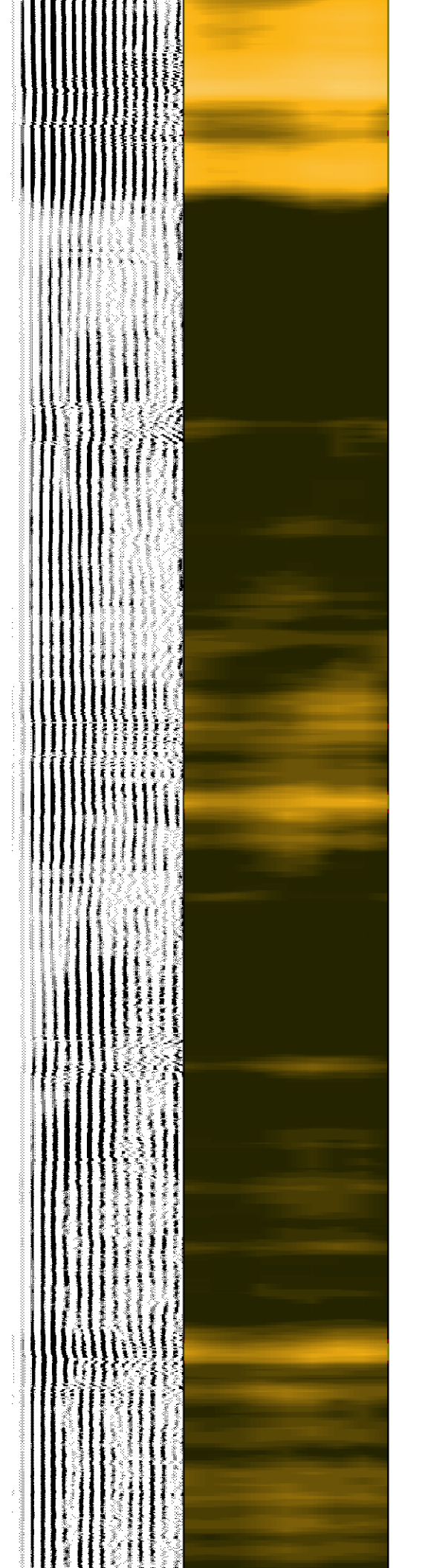


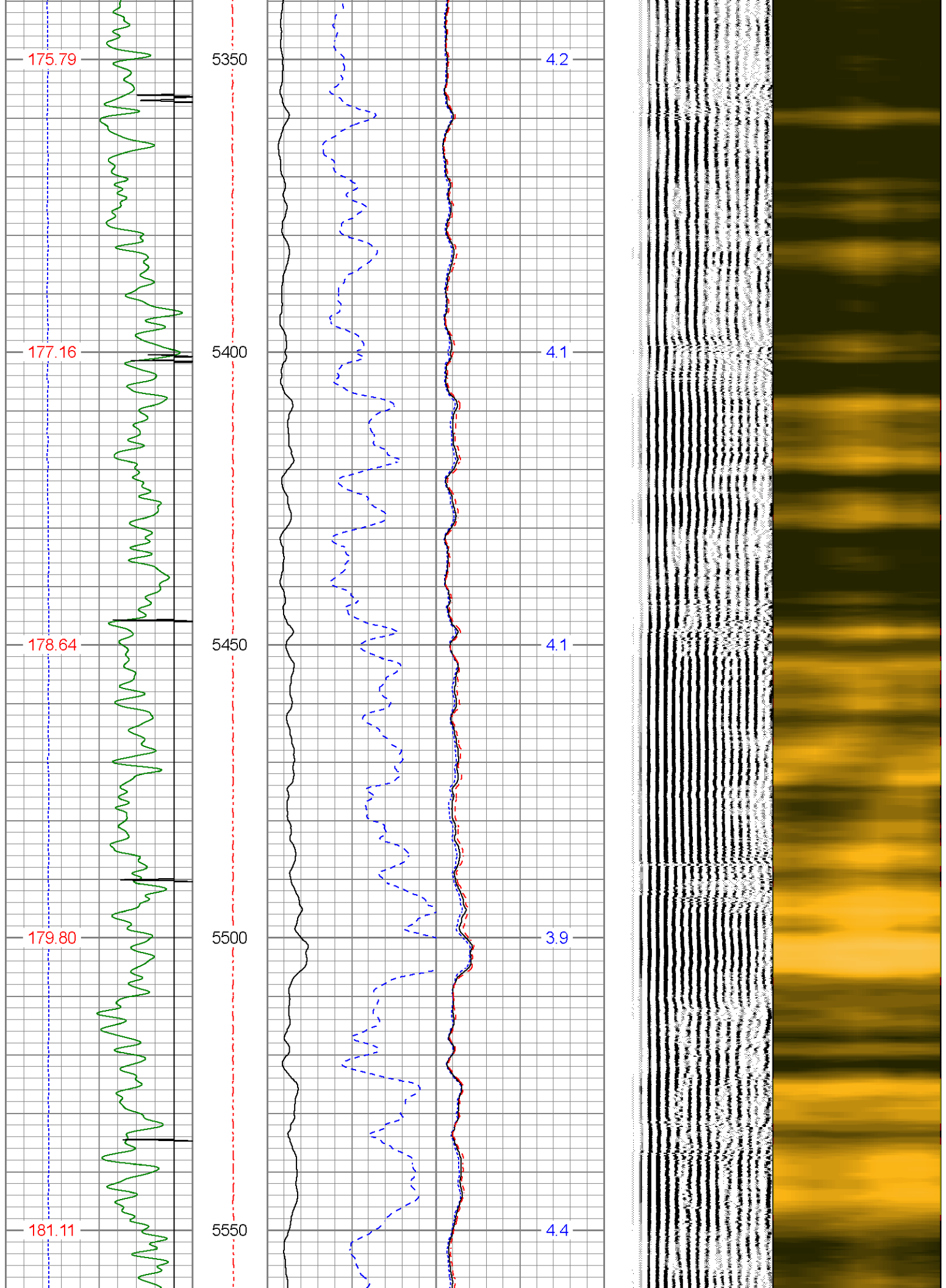
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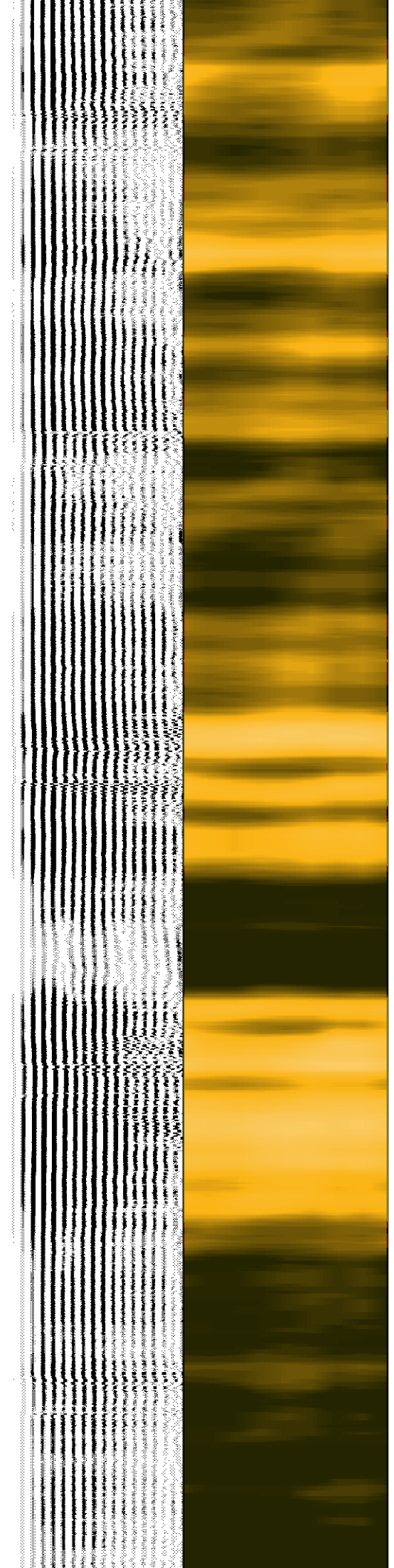
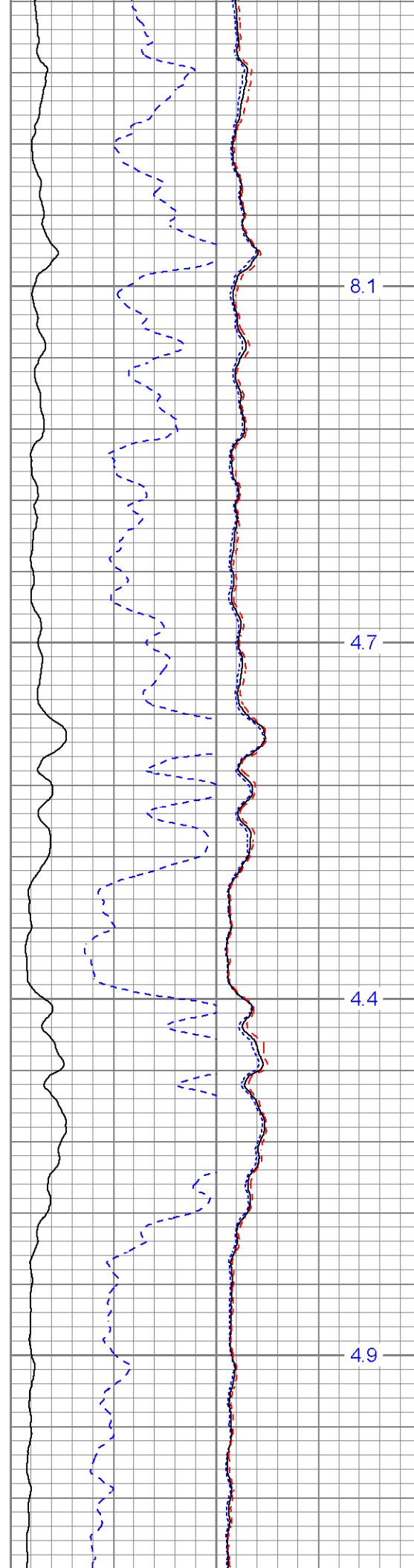
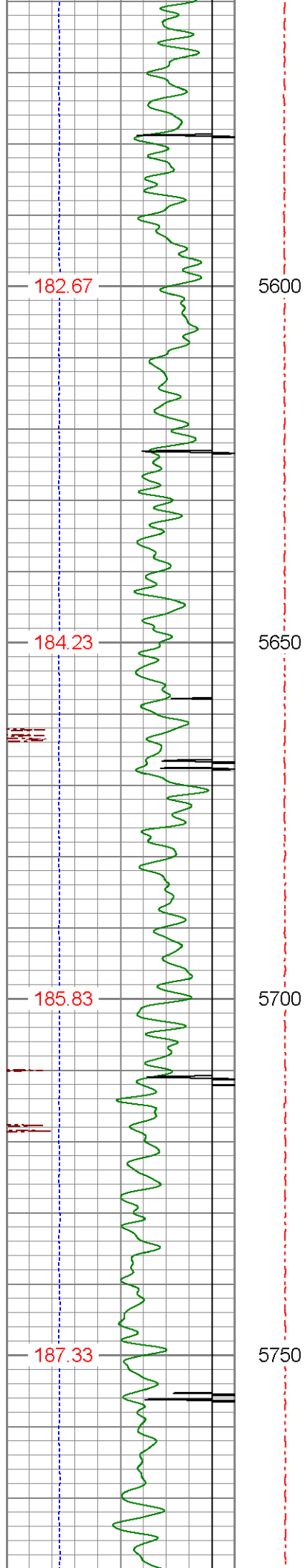
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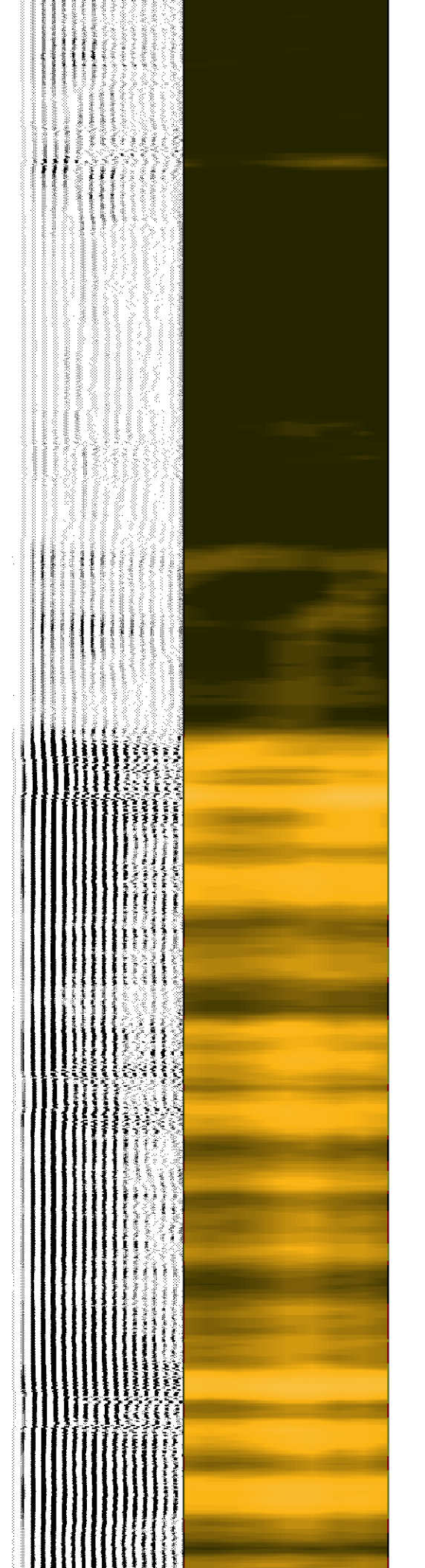
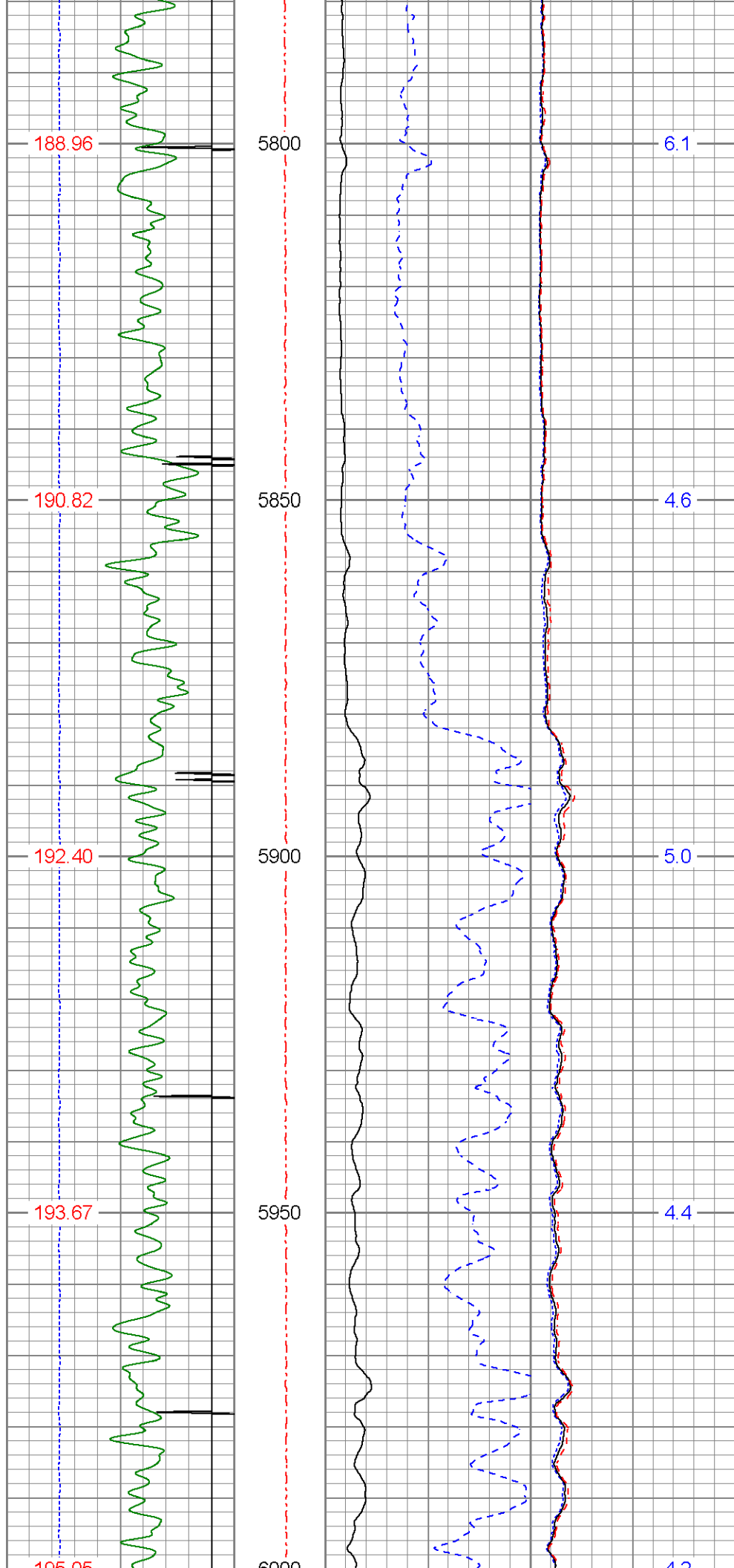
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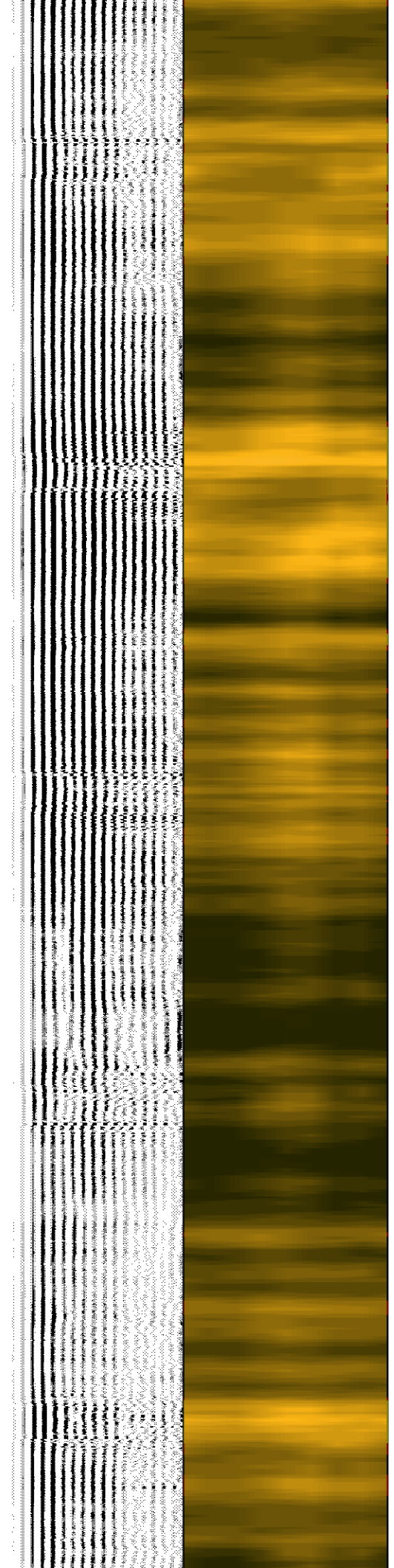
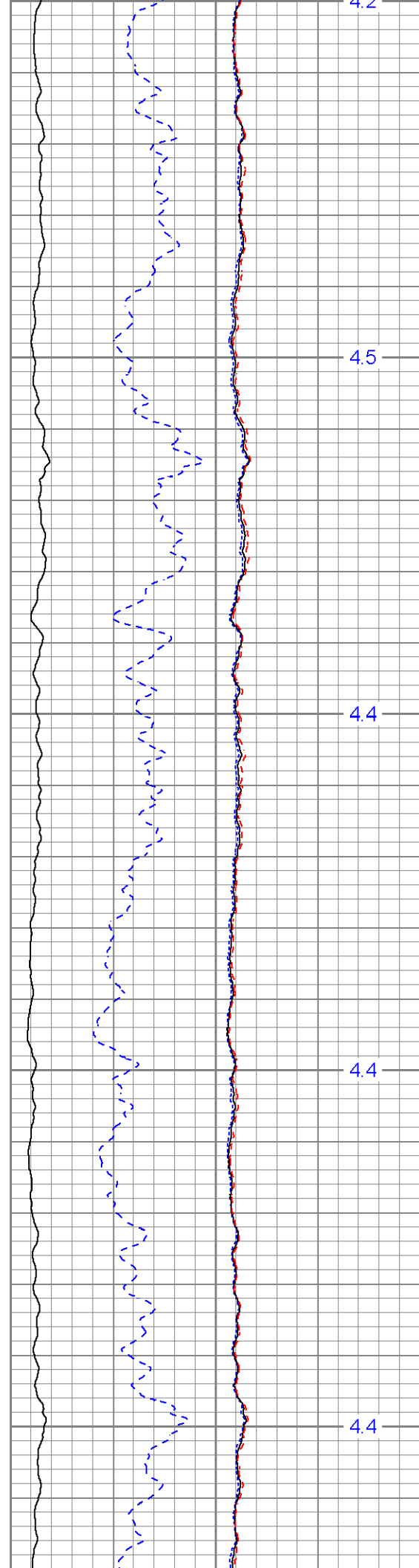
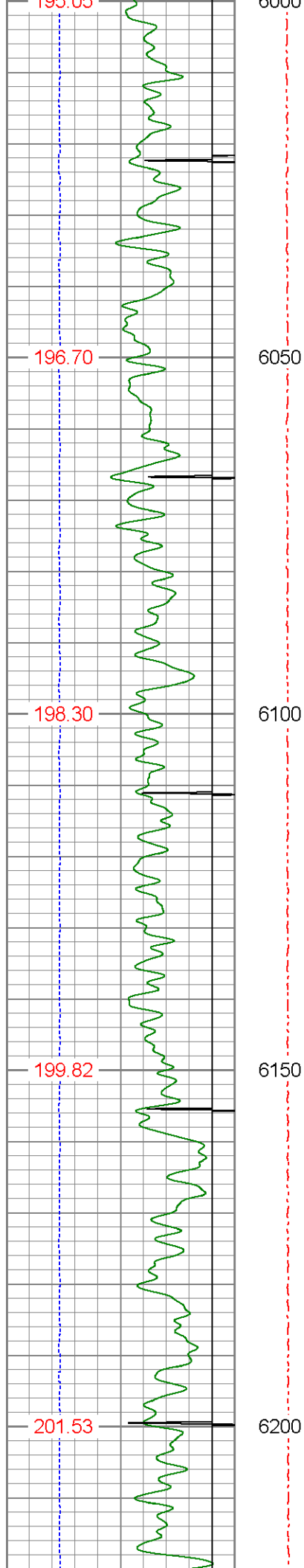
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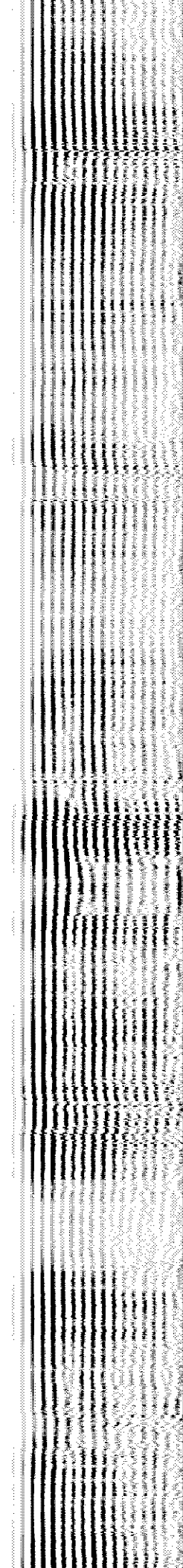
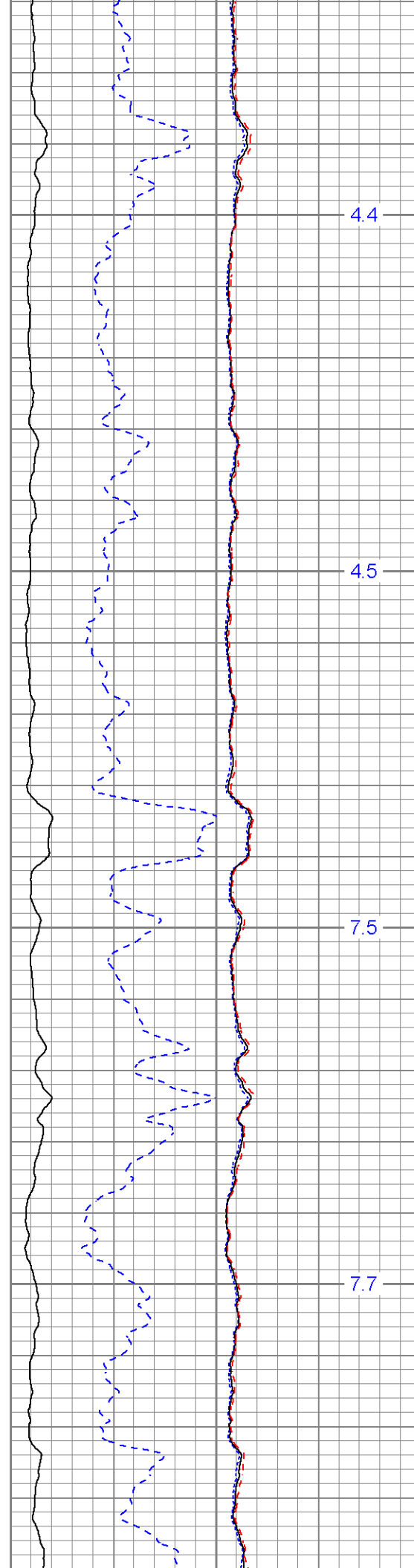
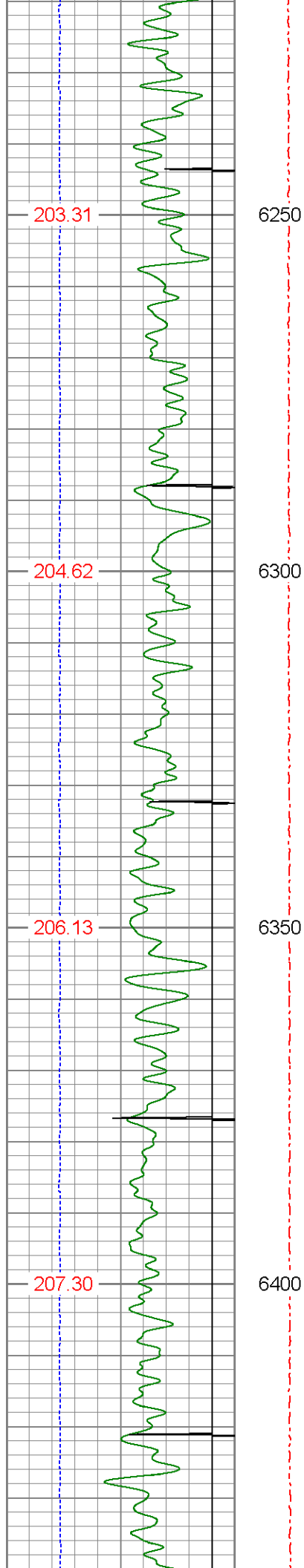


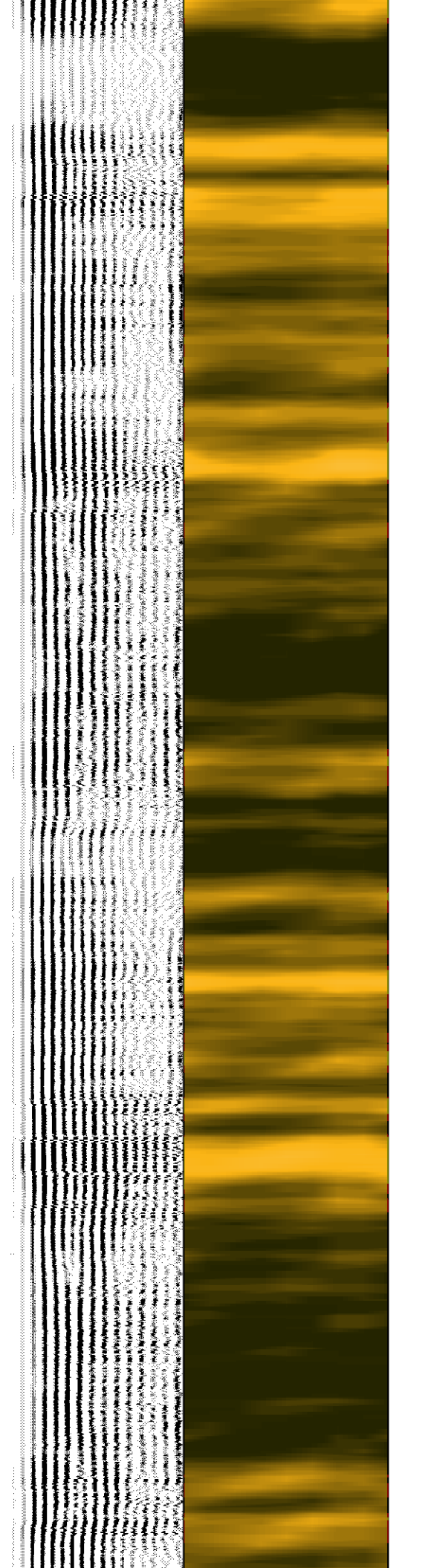
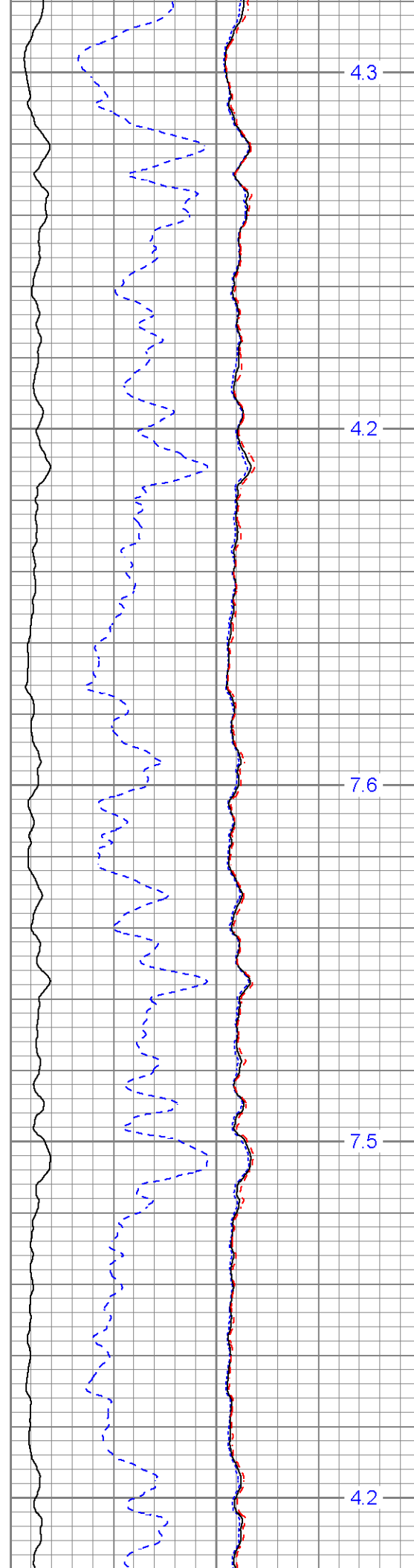
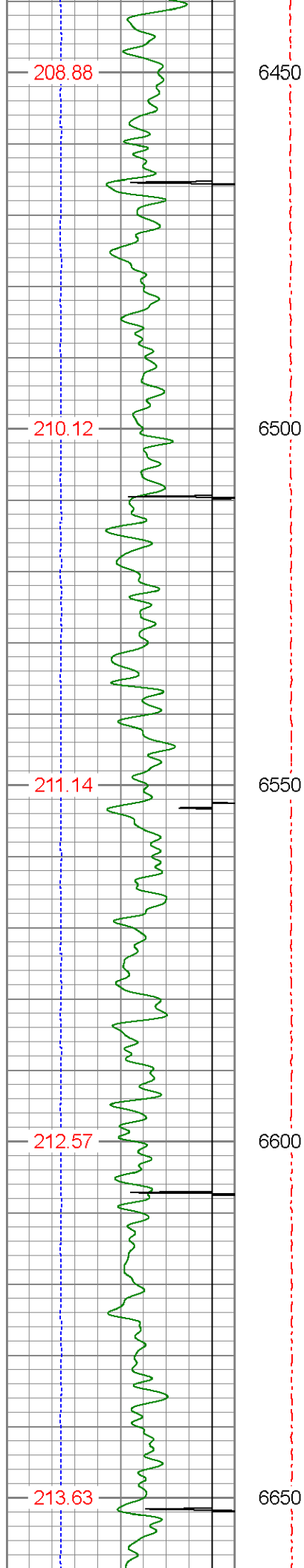


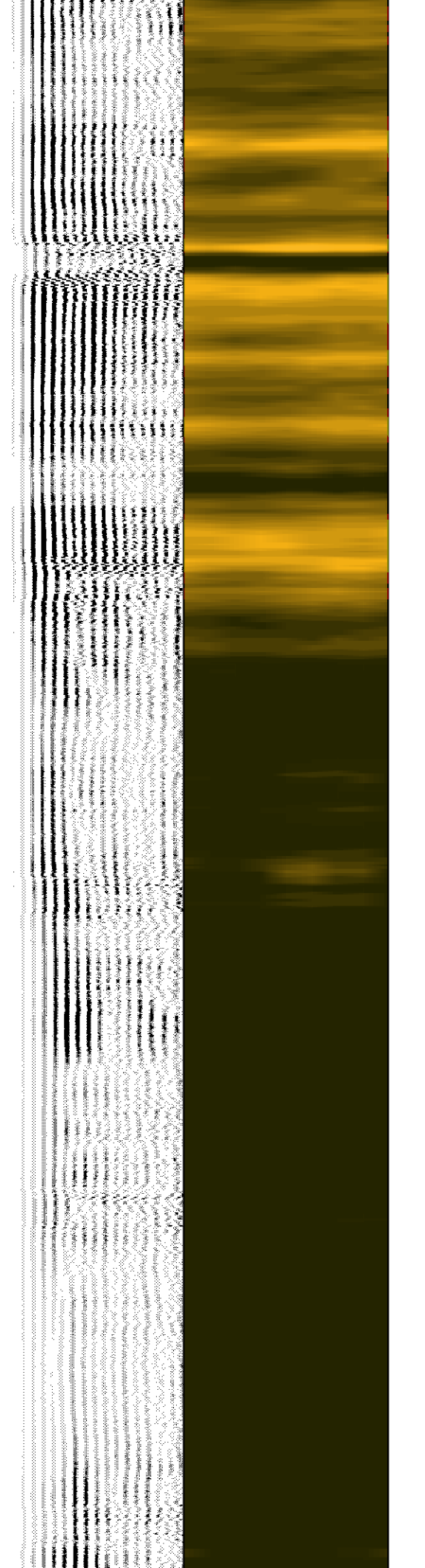
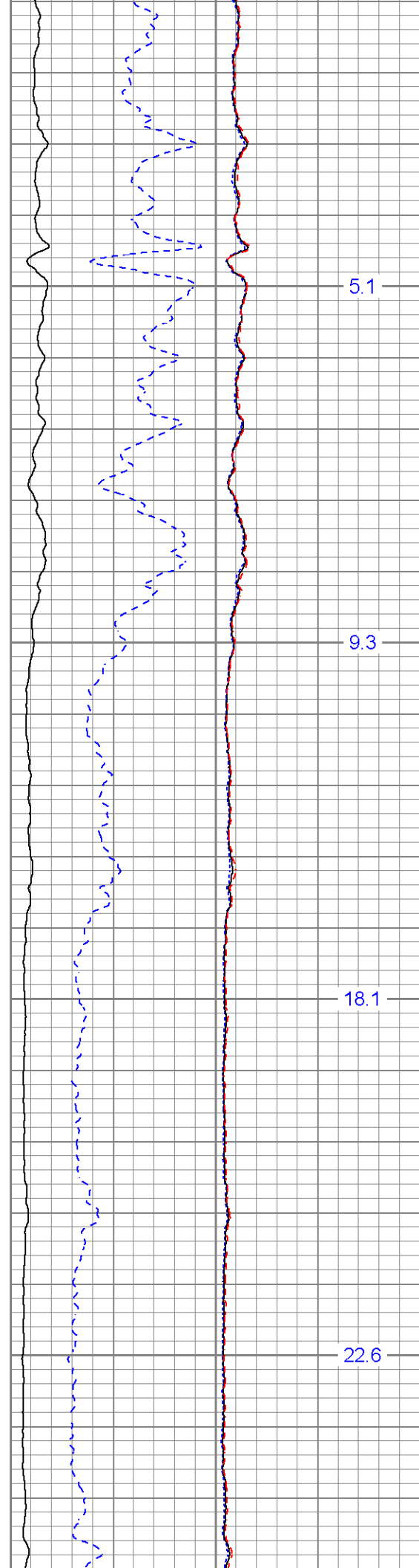
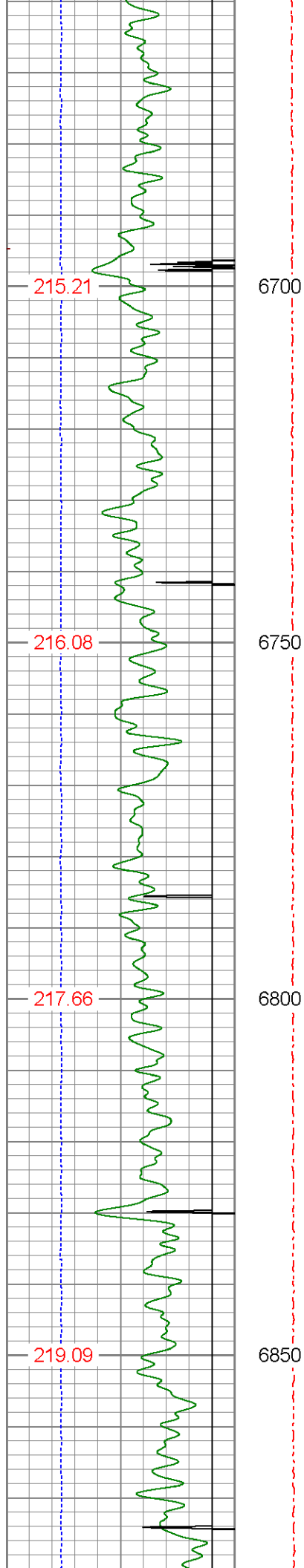


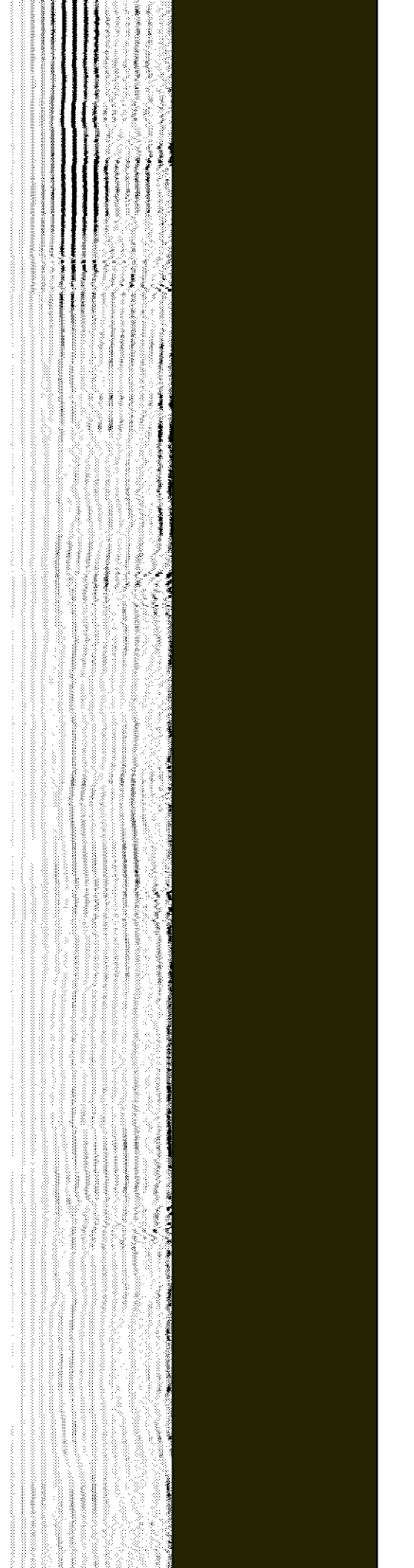
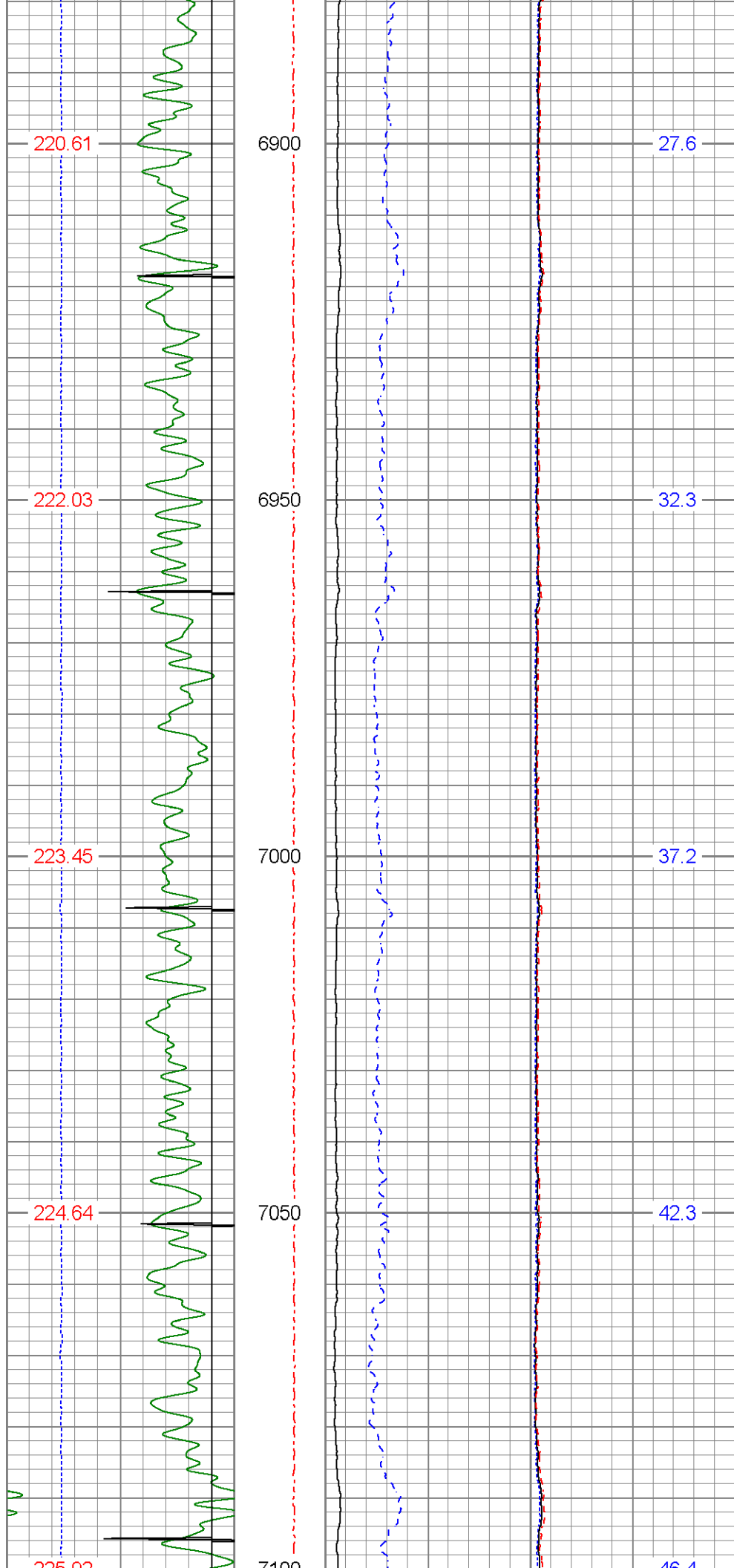


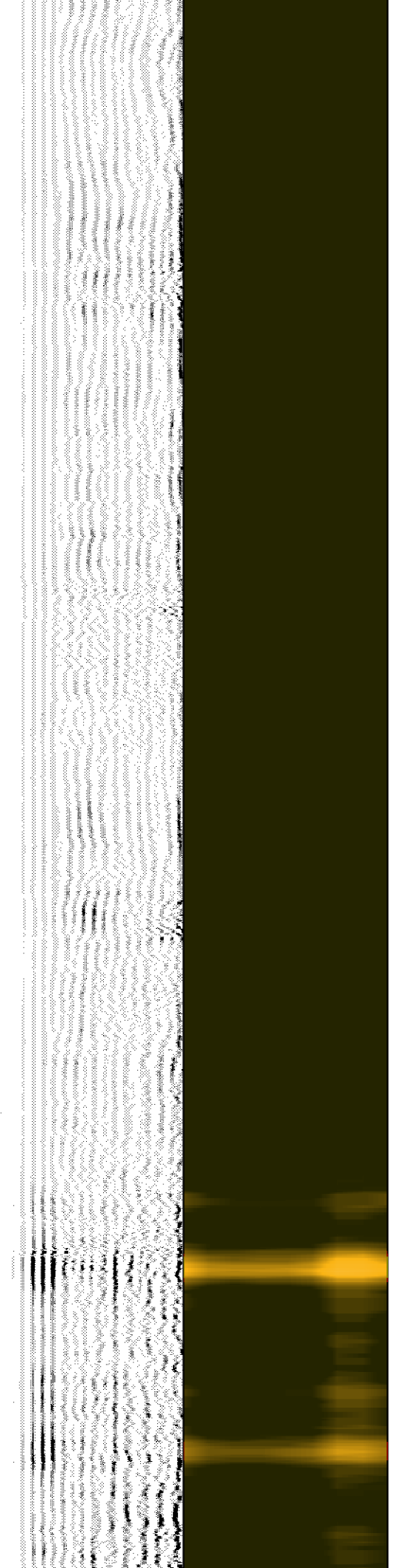
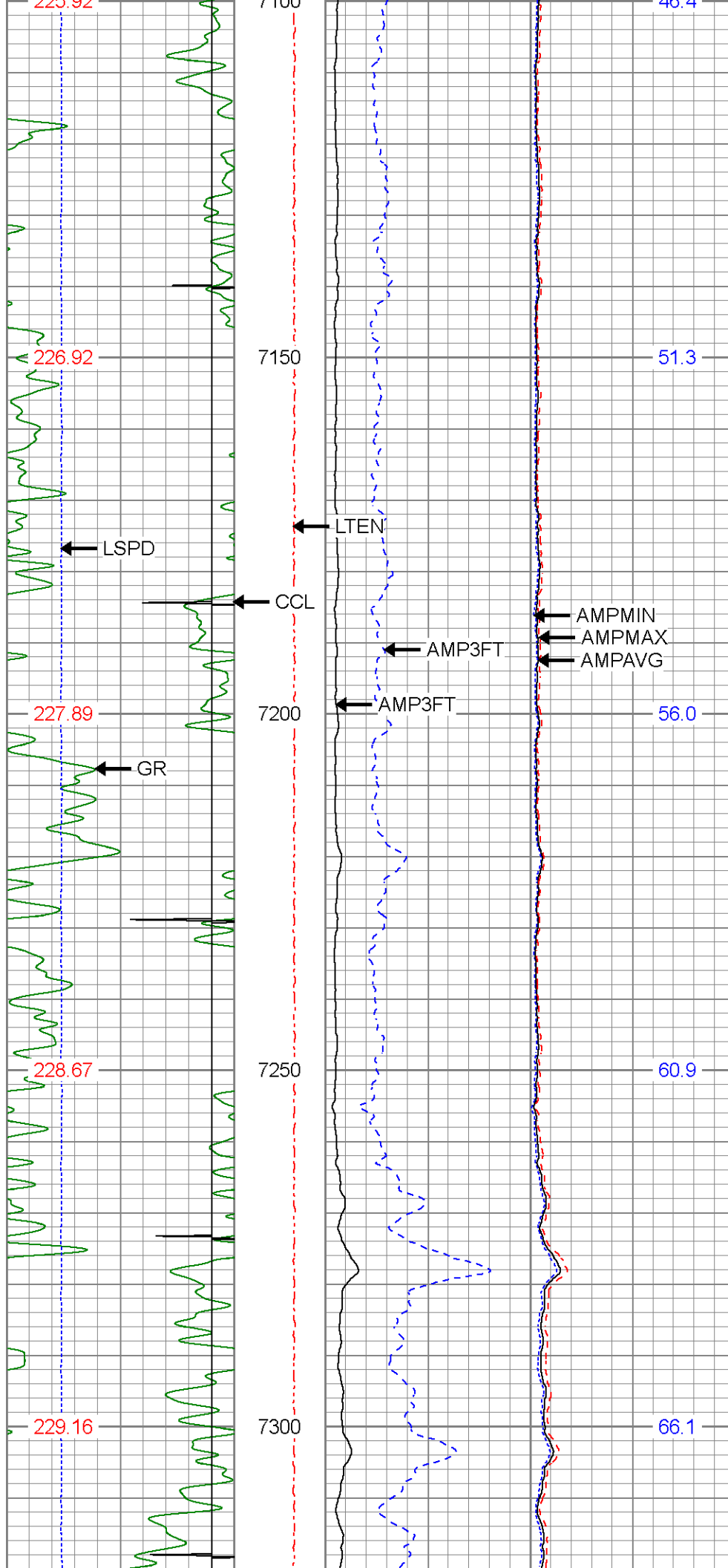


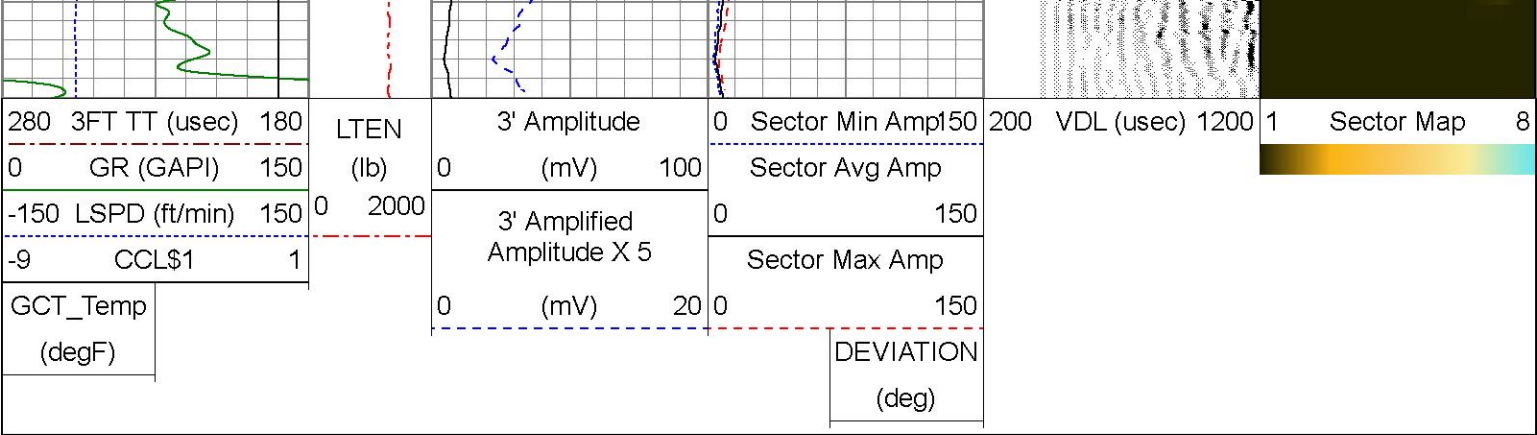








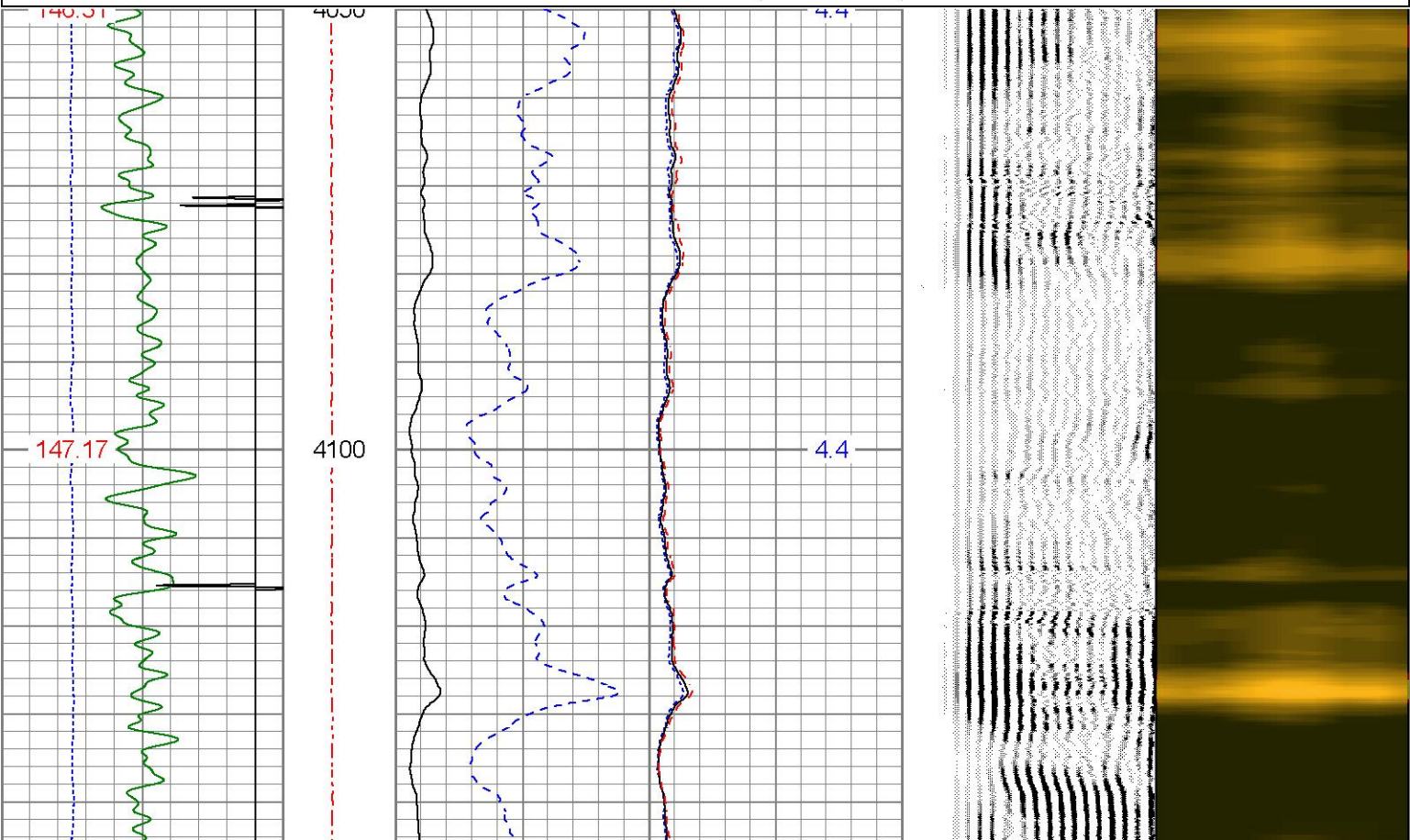
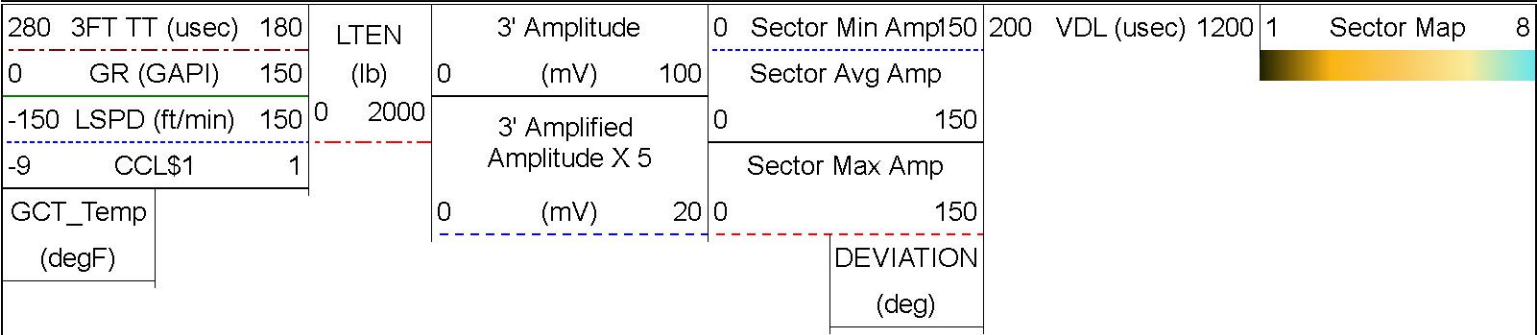


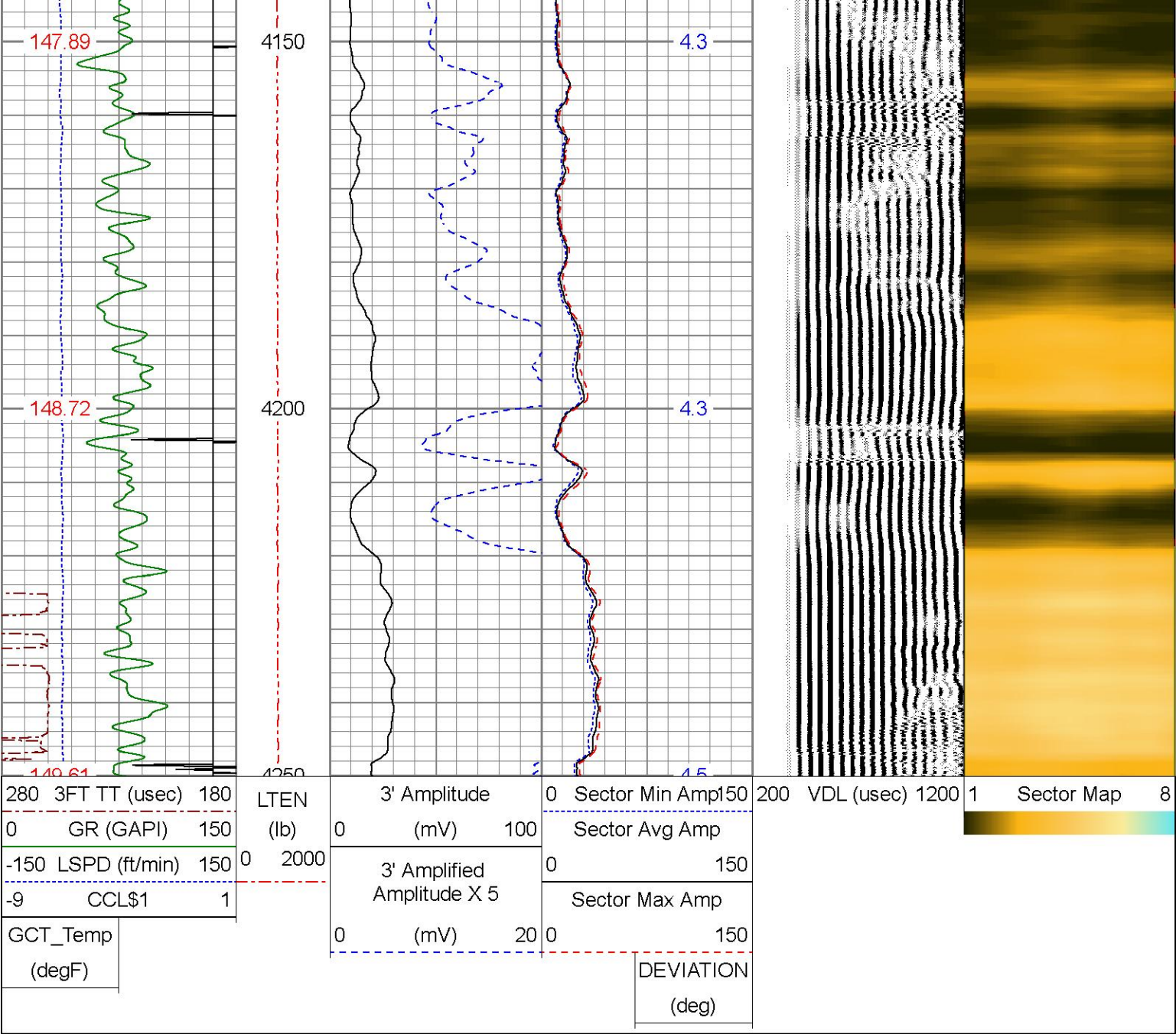


REPEAT PASS

ZERO PSI APPLIED AT SURFACE

Database File I05-668792_bayswater_onyx federal 2_0512352198_20240508_scbl-gr-ccl.db
Dataset Pathname pass2
Presentation Format res_scbl 8sec-gr-ccl
Dataset Creation Wed May 08 11:04:19 2024
Charted by Depth in Feet scaled 1:240





Calibration Report			
Database File	I05-668792_bayswater_onyx federal 2_0512352198_20240508_scbl-gr-ccl.db		
Dataset Pathname	pass4		
Dataset Creation	Wed May 08 11:16:54 2024		
Gamma Ray Calibration Report			
Serial Number:	GCT275-0BP0_base		
Tool Model:	GCT275-0BP0		
Performed:	Wed Apr 24 14:34:11 2024		
Calibrator Value:	1.0	GAPI	
Background Reading:	0.0	cps	
Calibrator Reading:	1.0	cps	
Sensitivity:	1.0000	GAPI/cps	
Inclinometer Calibration Report			
Performed:	Mon Jan 9 07:52:31 2023		
Low Dead	High Dead	Low Ref	High Ref

	Low Read.	High Read.	Low Ref.	High Ref.	
X Accelerometer	-956.00	943.00	-1.00	1.00	gee
Y Accelerometer	-965.00	910.00	-1.00	1.00	gee
Z Accelerometer	19.11	-882.49	0.00	1.00	gee

Segmented Cement Bond Log Calibration Report

Serial Number:	RBT275C_Base				
Tool Model:	RADII-275C				
Calibration Casing Diameter:	5.500		in		
Calibration Depth:	30.958		ft		

Master Calibration, performed Wed May 8 06:38:39 2024:						
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.000	0.793	2.200	71.921	87.943	2.200
CAL	0.000	0.788				
5'	0.000	0.719	2.200	71.921	96.977	2.200
SUM						
S1	0.000	0.793	0.000	100.000	126.132	0.000
S2	0.000	0.798	0.000	100.000	125.275	0.000
S3	0.000	0.795	0.000	100.000	125.770	0.000
S4	0.000	0.780	0.000	100.000	128.236	0.000
S5	0.000	0.787	0.000	100.000	127.130	0.000
S6	0.000	0.786	0.000	100.000	127.278	0.000
S7	0.000	0.799	0.000	100.000	125.199	0.000
S8	0.000	0.804	0.000	100.000	124.328	0.000

Internal Reference Calibration, performed (Not Performed):						
	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.000	0.788	1.000	0.000

Air Zero Calibration, performed Wed May 8 06:37:19 2024:						
	Raw (v)		Calibrated (v)		Results	
	Zero		Zero		Offset	
3'	0.000		0.000		0.000	
5'	0.000		0.000		0.000	
SUM						
S1	0.000		0.000		0.000	
S2	0.000		0.000		0.000	
S3	0.000		0.000		0.000	
S4	0.000		0.000		0.000	
S5	0.000		0.000		0.000	
S6	0.000		0.000		0.000	
S7	0.000		0.000		0.000	
S8	0.000		0.000		0.000	

Inclinometer Calibration Report

Performed: Mon Jan 9 07:52:41 2023

Low Read.	High Read.	Low Ref.	High Ref.
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X Accelerometer	-918.00	908.00	-1.00	1.00	gee
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Y Accelerometer	-941.00	887.00	-1.00	1.00	gee
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Z Accelerometer	1.35	894.18	0.00	1.00	gee
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Company

Well

Field

County

State

BAYSWATER EXPLOR. & PROD.

ONYX FEDERAL 2

WATTENBERG

WELD

COLORADO