



SECTOR CEMENT BOND
GAMMA RAY
CCL LOG

Company OCCIDENTAL PETROLEUM CORP.

Well BURCHFIELD 39-20

Field WATTENBURG

County WELD State CO

Location: API # : 05-123-26823

Other Services

SEC 20 TWP 3N RGE 67W

Permanent Datum GL Elevation 4789'

Log Measured From KB 12' Above Perm. Datum

Drilling Measured From KB Elevation K.B. 4801'
D.F. 4800'
G.L. 4789'

Comp. OCCIDENTAL PETROLEUM CORP.
Well BURCHFIELD 39-20
Field WATTENBURG
Co. WELD
State CO

Date of Service 05-OCT-2022

Run Number ONE

Depth Driller or PBTD 7360'

Depth Logger 6700'

Bottom Log Interval 6700'

Top Log Interval SURFACE

Open Hole Size 7-7/8"

Type Fluid H2O

Fluid Level SURFACE

Fluid Density NA

Max. Recorded Temperature NA

Max. Wellhead Pressure ZERO

Wellhead Connection 5K

Estimated Cement Top NA

Unit Number 1010

Wireline Size 9/32"

Location BRIGHTON

Recorded By C. SHEPPARD

Witnessed By J. CASTILLO

Size 8-5/8"

Production Casing 4-1/2"

Liner Casing

Tubing Record

Wt/Ft 24#

Top SURFACE

Bottom 858'

Wt/Ft 11.6#

Top SURFACE

Bottom 7350'

<<< 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 KB.

THANK YOU FOR USING RANGER ENERGY SERVICES!

THANK YOU FOR USING RANGER ENERGY SERVICES! FIELD TICKET#

Your Ranger Energy Services Crew

Tool Data - Services

Serial Number

Engineer: C. SHEPPARD
Operator: E. CARRANZA
Operator: G. SOTO
Operator:

Log Variables

DatabaseC:\ProgramData\Warrior\Data\477944_occidental_burchfield39-21_0512326823_20221005
Dataset field/well/run1/pass9.1/_vars_

Top - Bottom

BHTEMP_Src TEMP	BOREID in 8.75	BOTTEMP degF 100	CASEOD in 4.5	CASETHCK in 0.408	CASEWGHT lb/ft 11.6	MAXAMPL mV 81.2	MINAMPL mV 0.7
MINATTN db/ft 0.8	PERFS No	PPT usec 220	SRFTEMP degF 76	TDEPTH ft 6600			

Variable Description

BHTEMP_Src : BHTEMP Input Source Selector
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

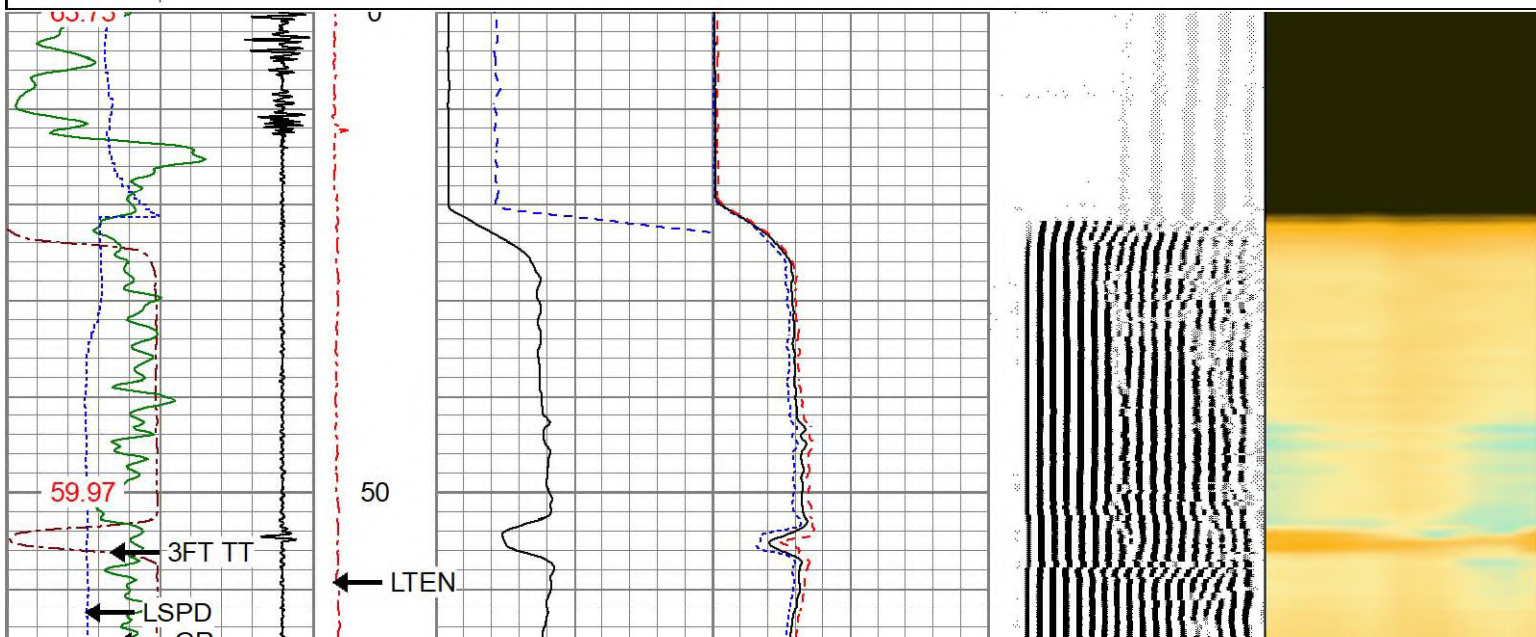


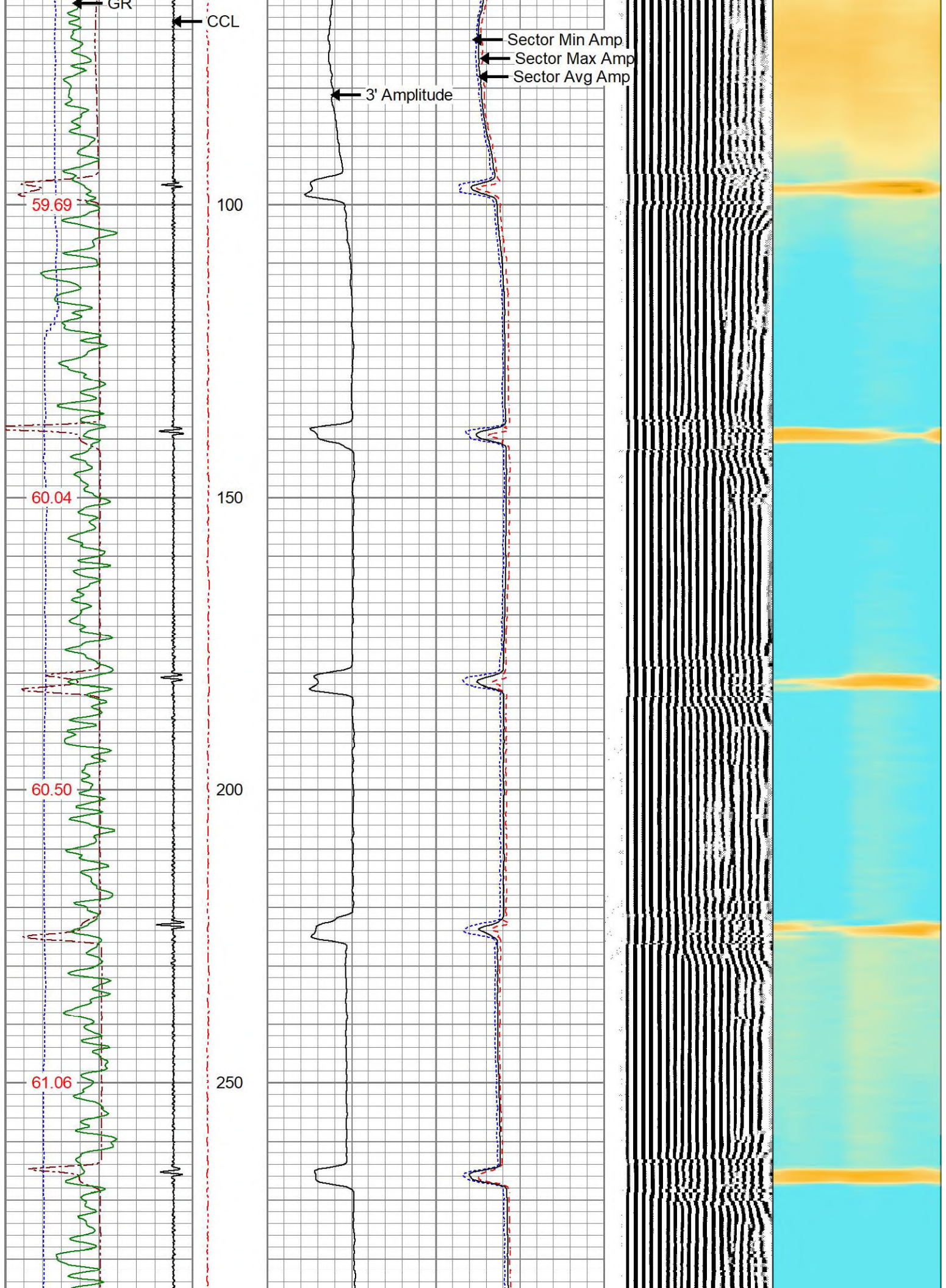
MAIN PASS

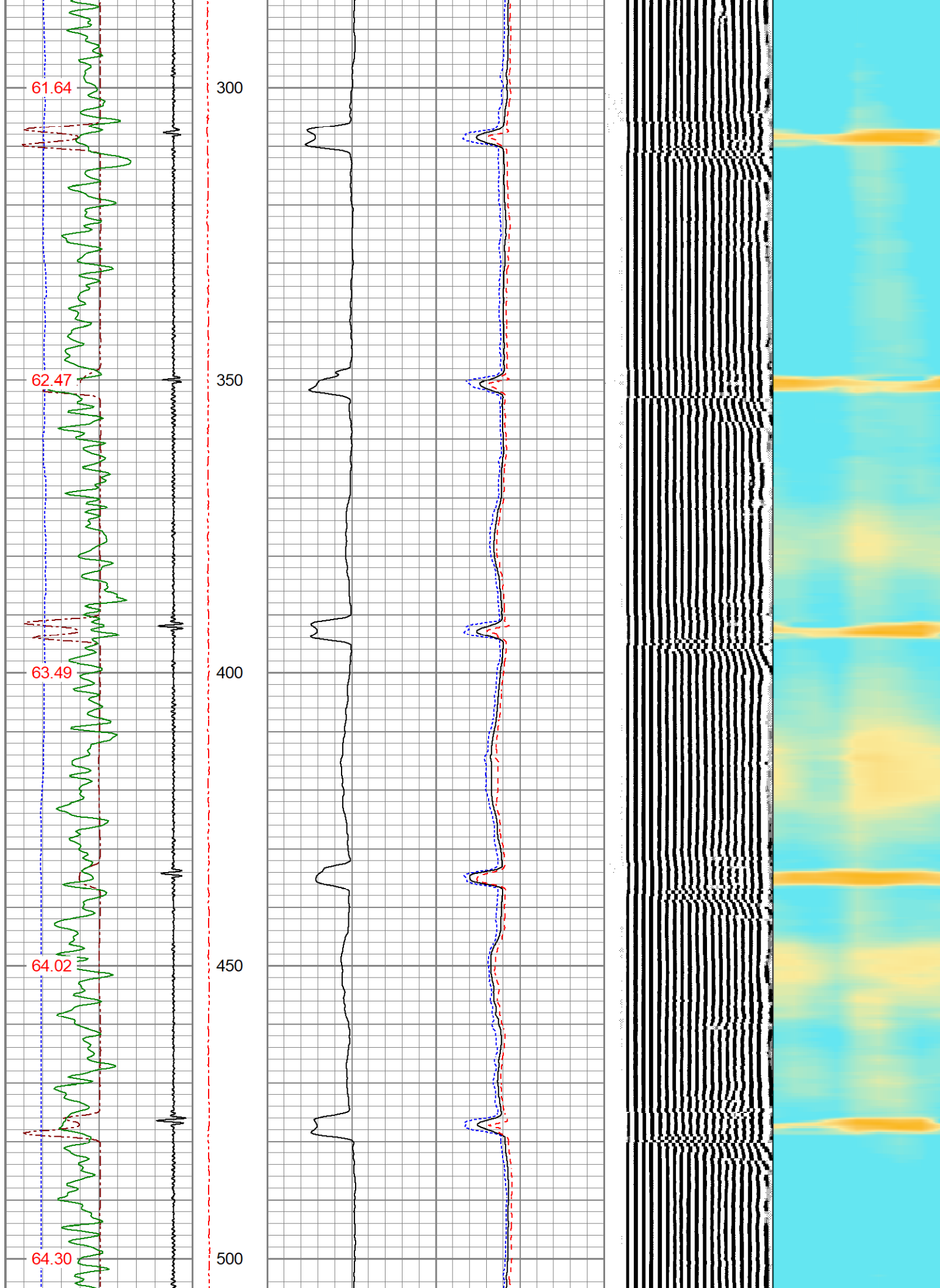
0 PSI APPLIED AT SURFACE

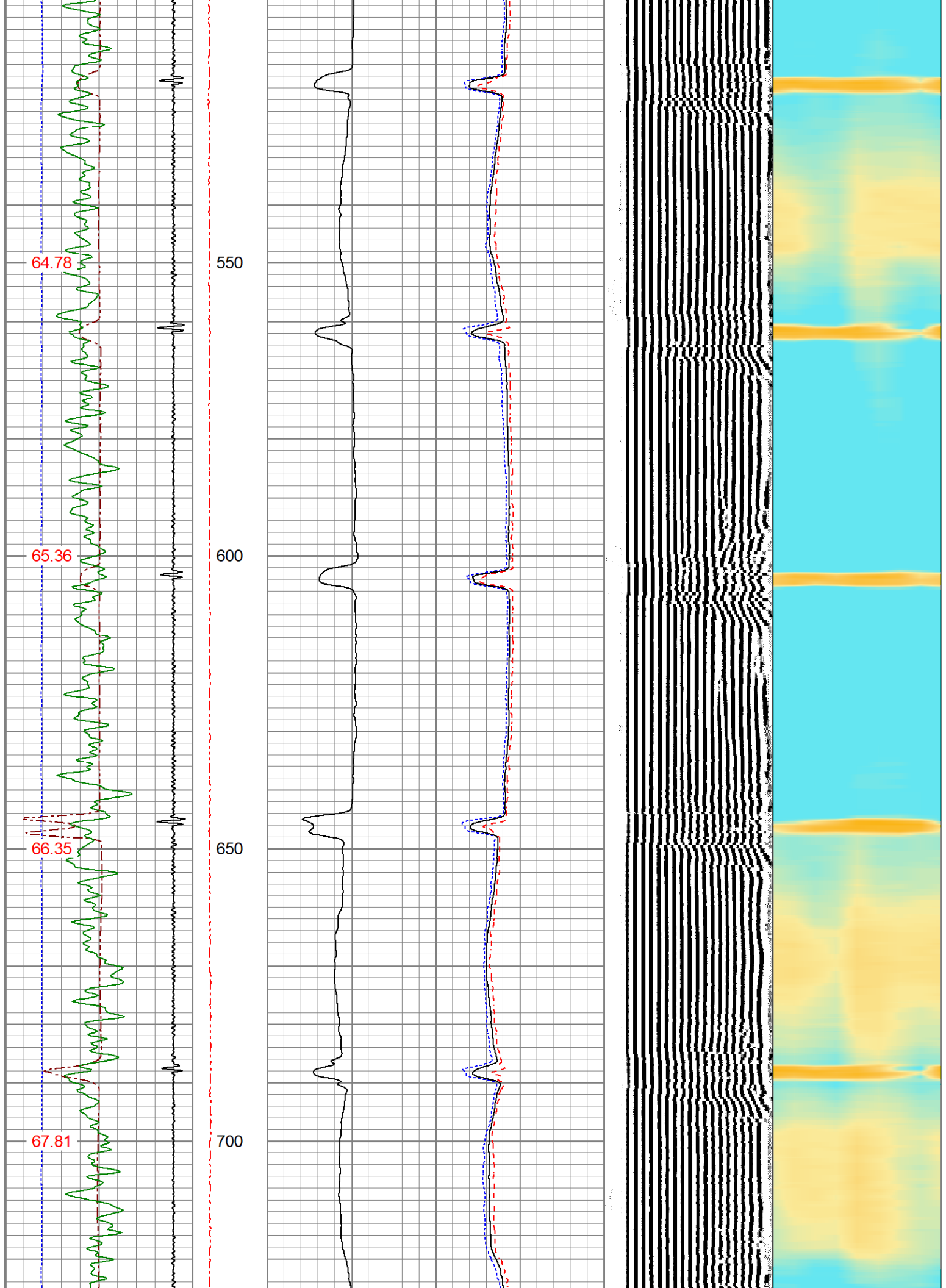
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Dataset Pathname pass9.1
Presentation Format res_scbl 8sec-gr-ccl
Dataset Creation Wed Oct 05 17:05:24 2022
Charted by Depth in Feet scaled 1:240

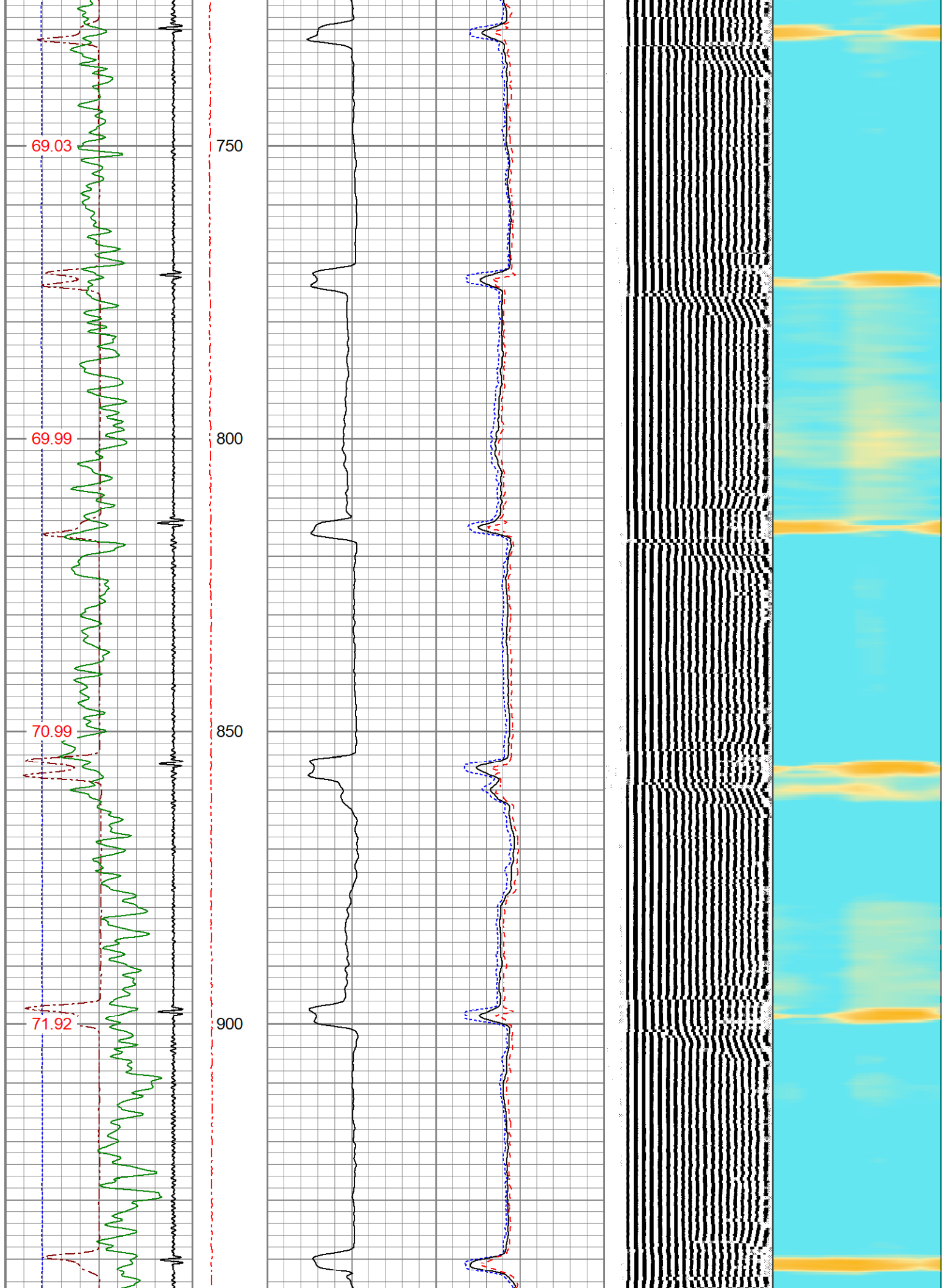
270 3FT TT (usec) 170	LTEN	3' Amplitude	0 Sector Min Amp150	200 VDL (usec) 1200	1 Sector Map 8
-9 CCL 1	(lb)	(mV) 100	Sector Avg Amp		
0 GR (GAPI) 150	0 2000	3' Amplified Amplitude X 5	0 150		
-150 LSPD (ft/min) 150			Sector Max Amp		
TEMP		(mV) 20	0 150		
(degF)					

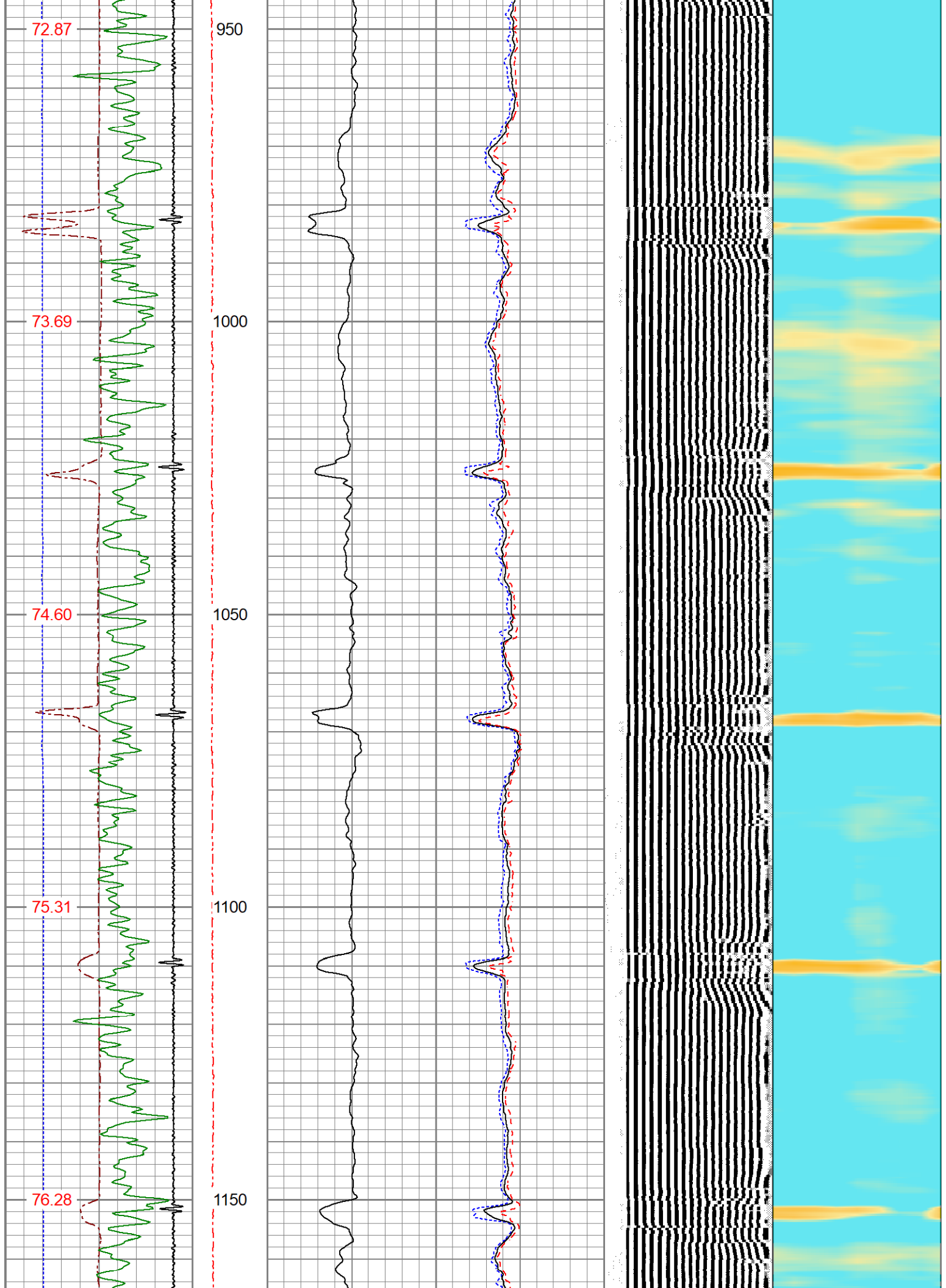


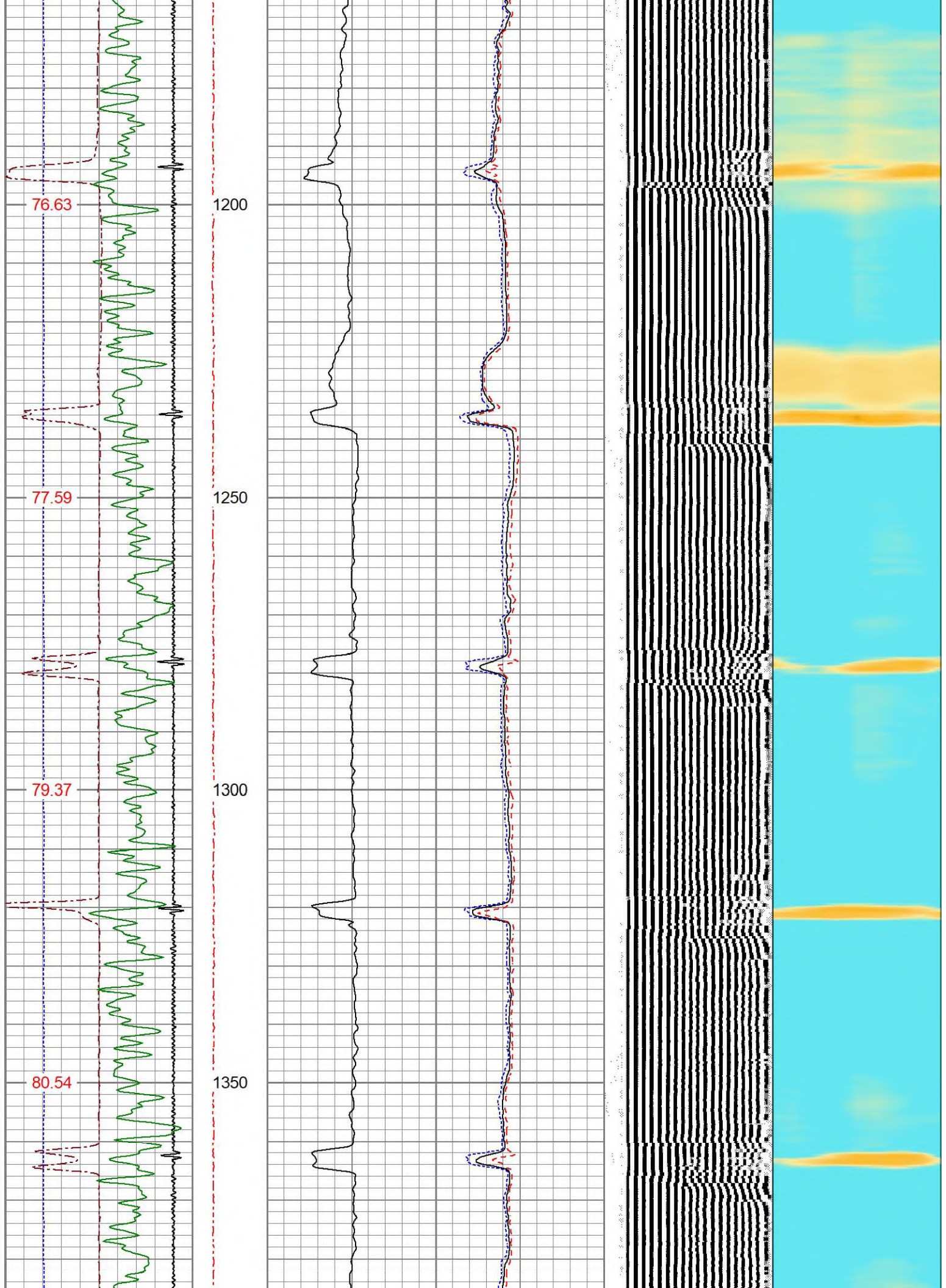


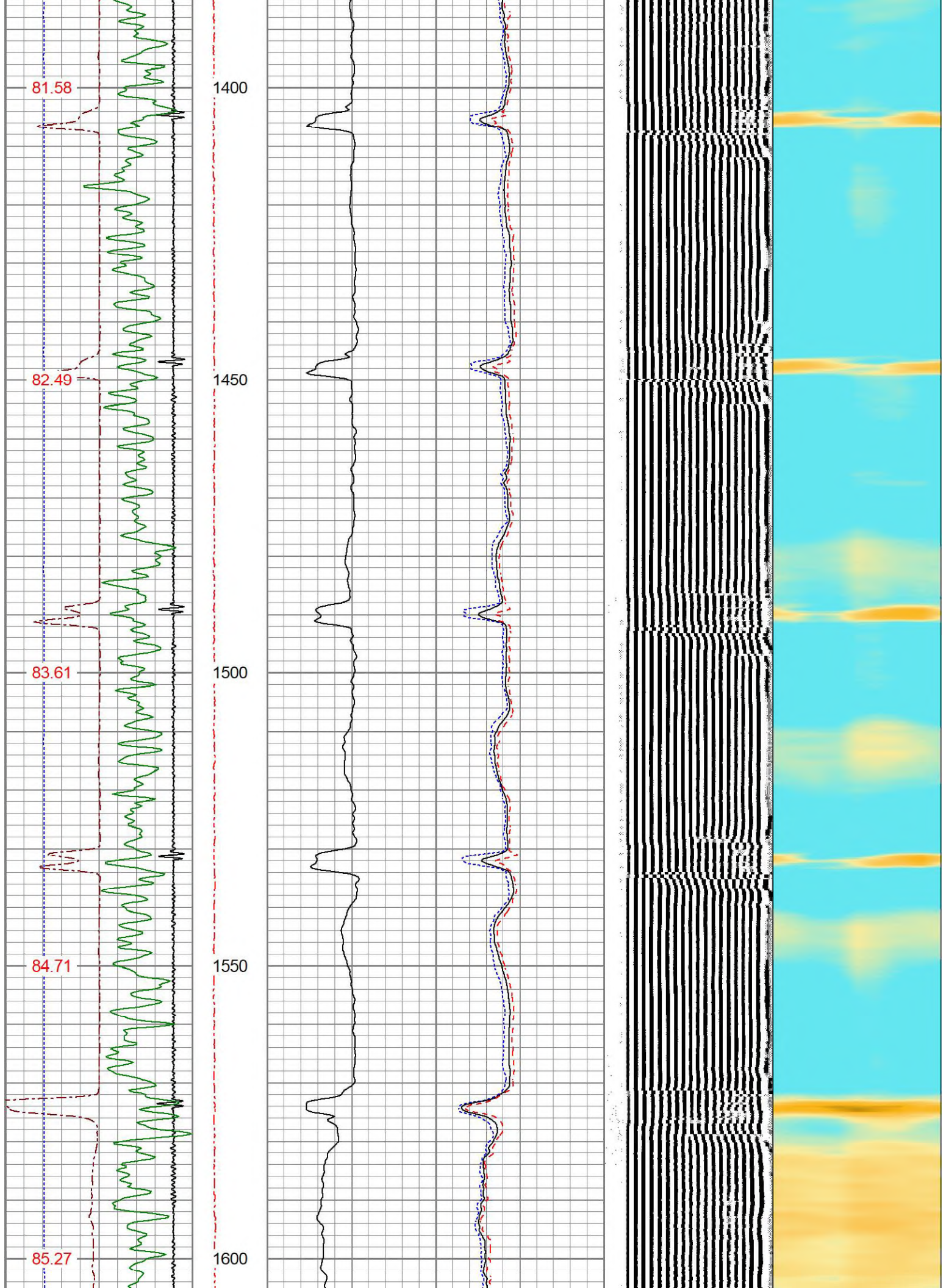


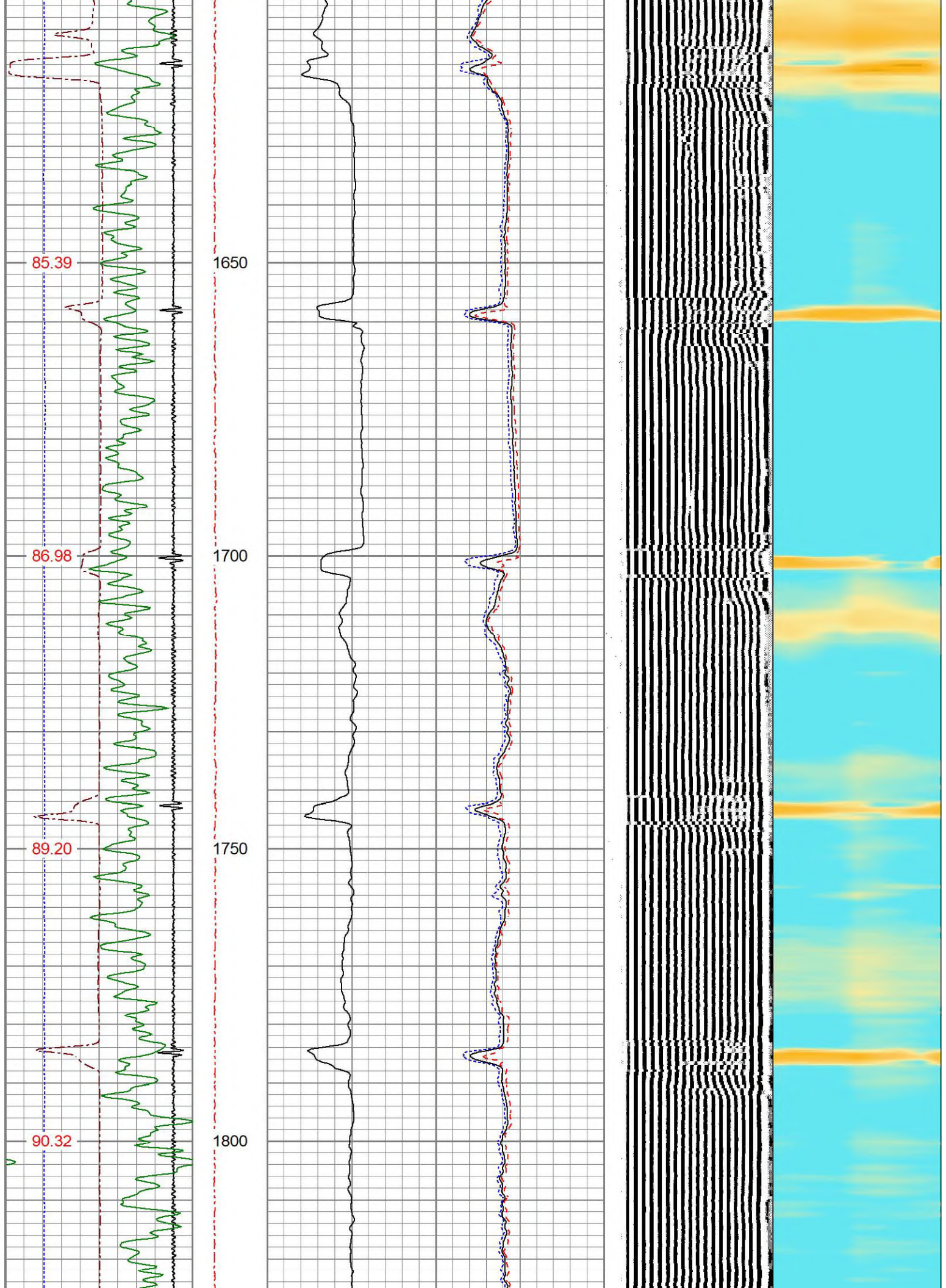


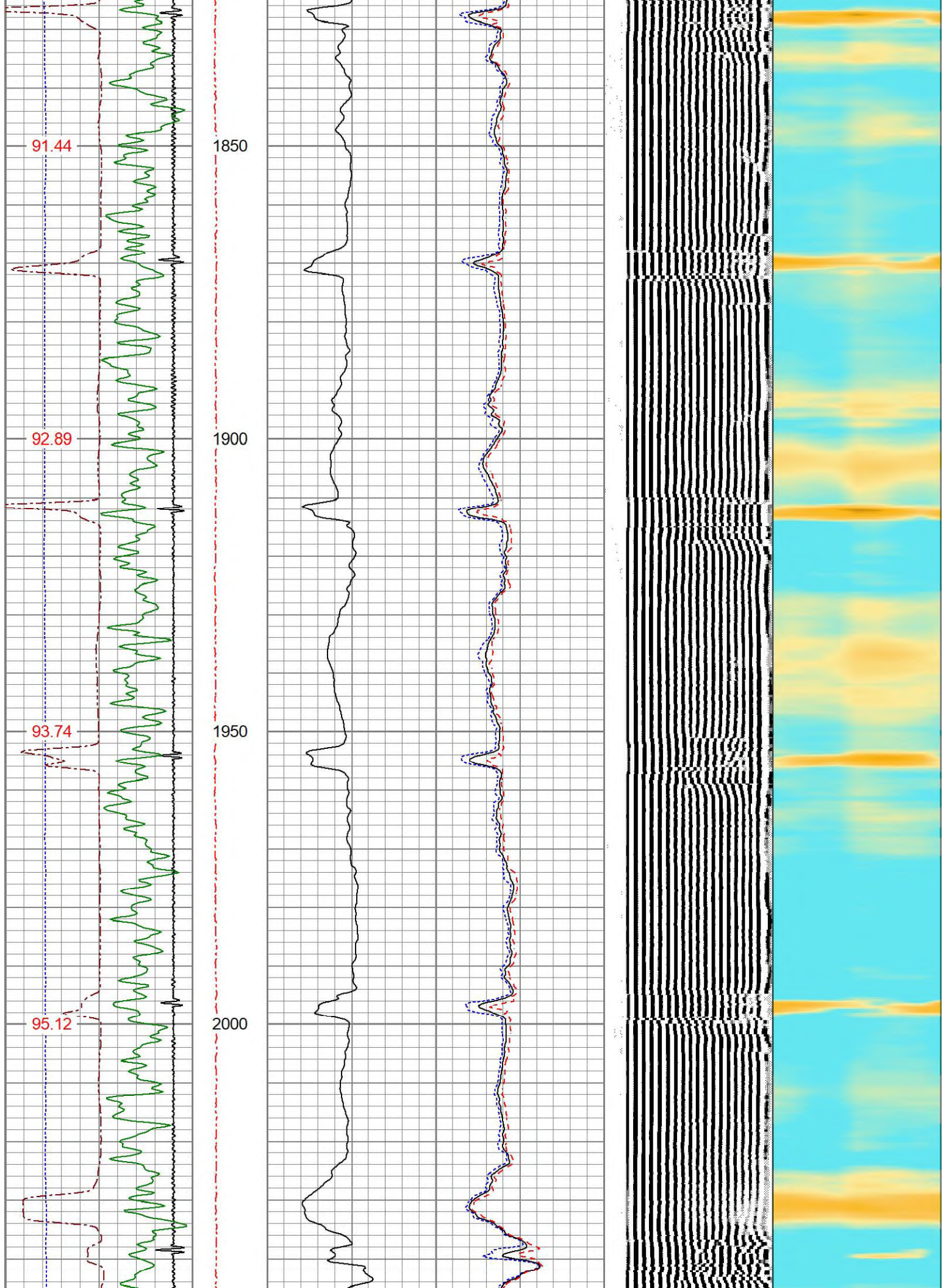


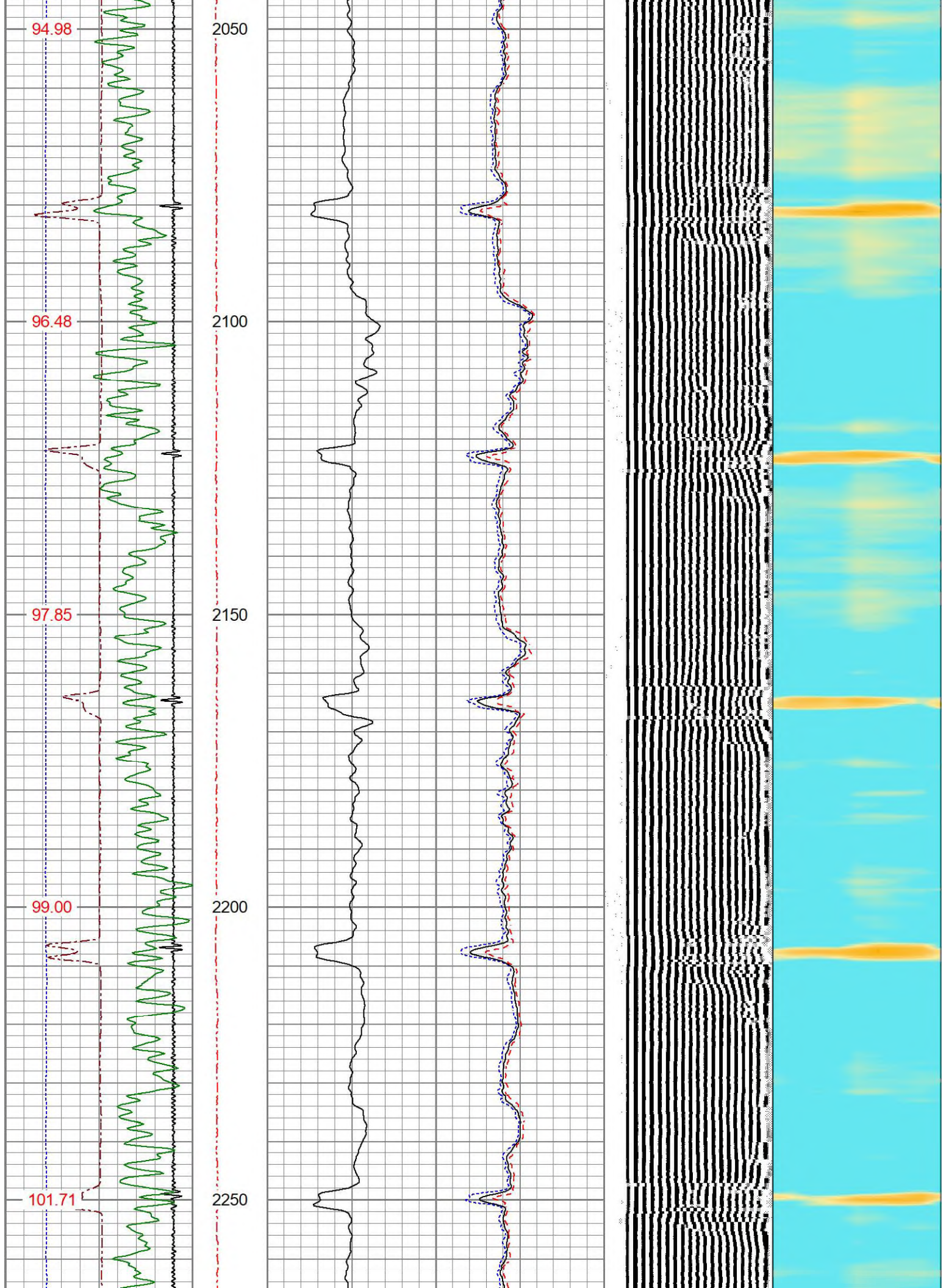


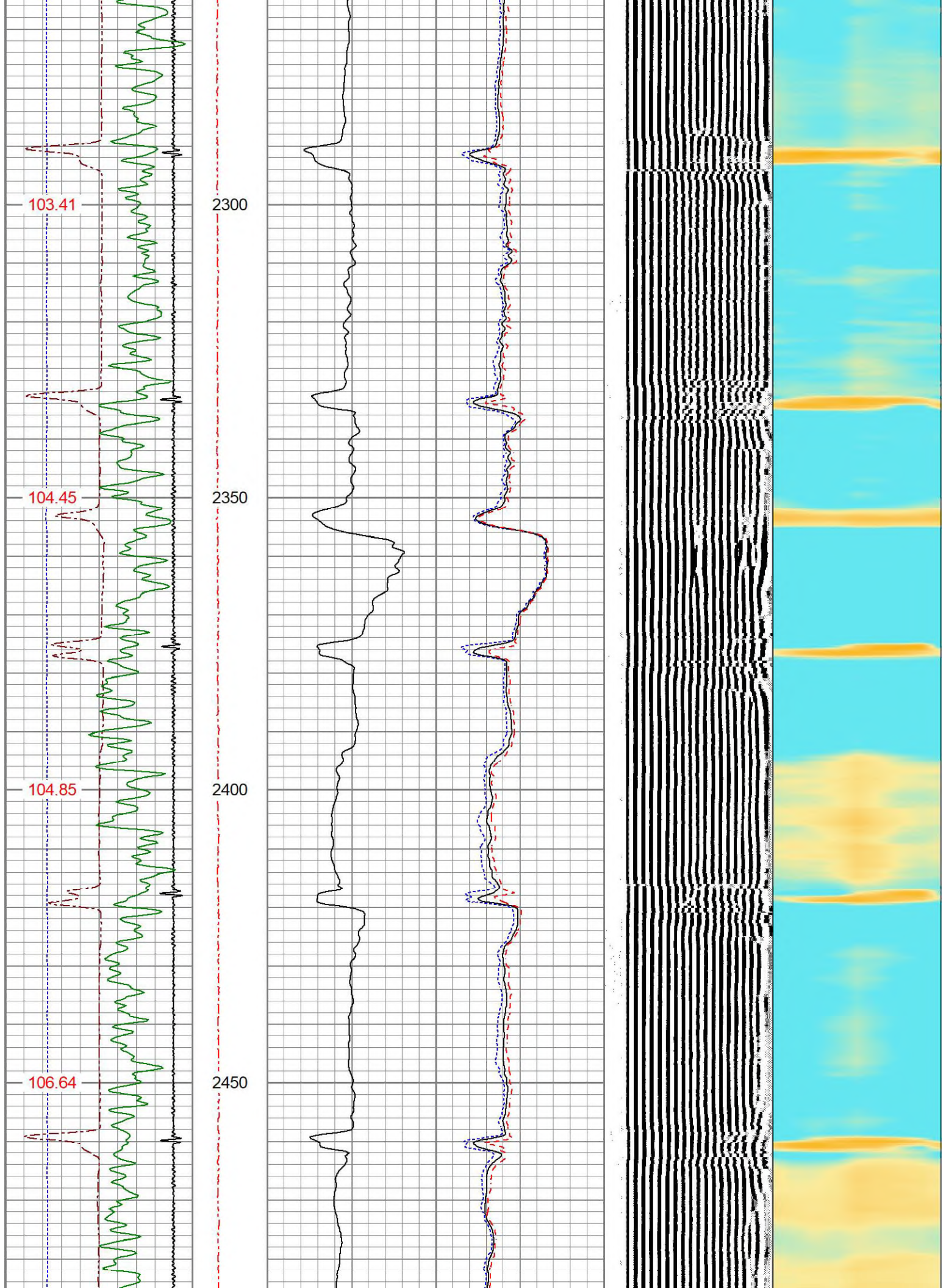


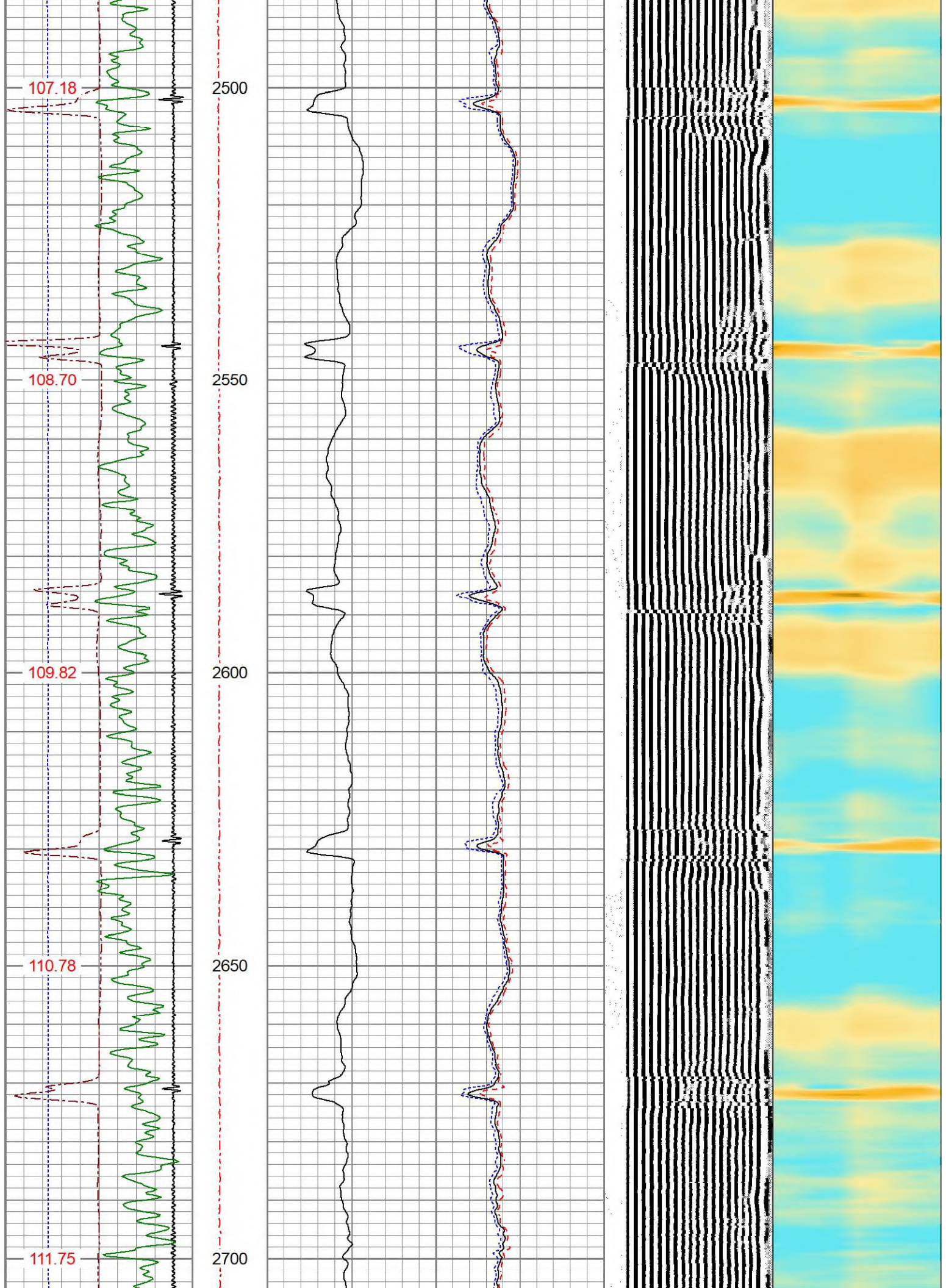


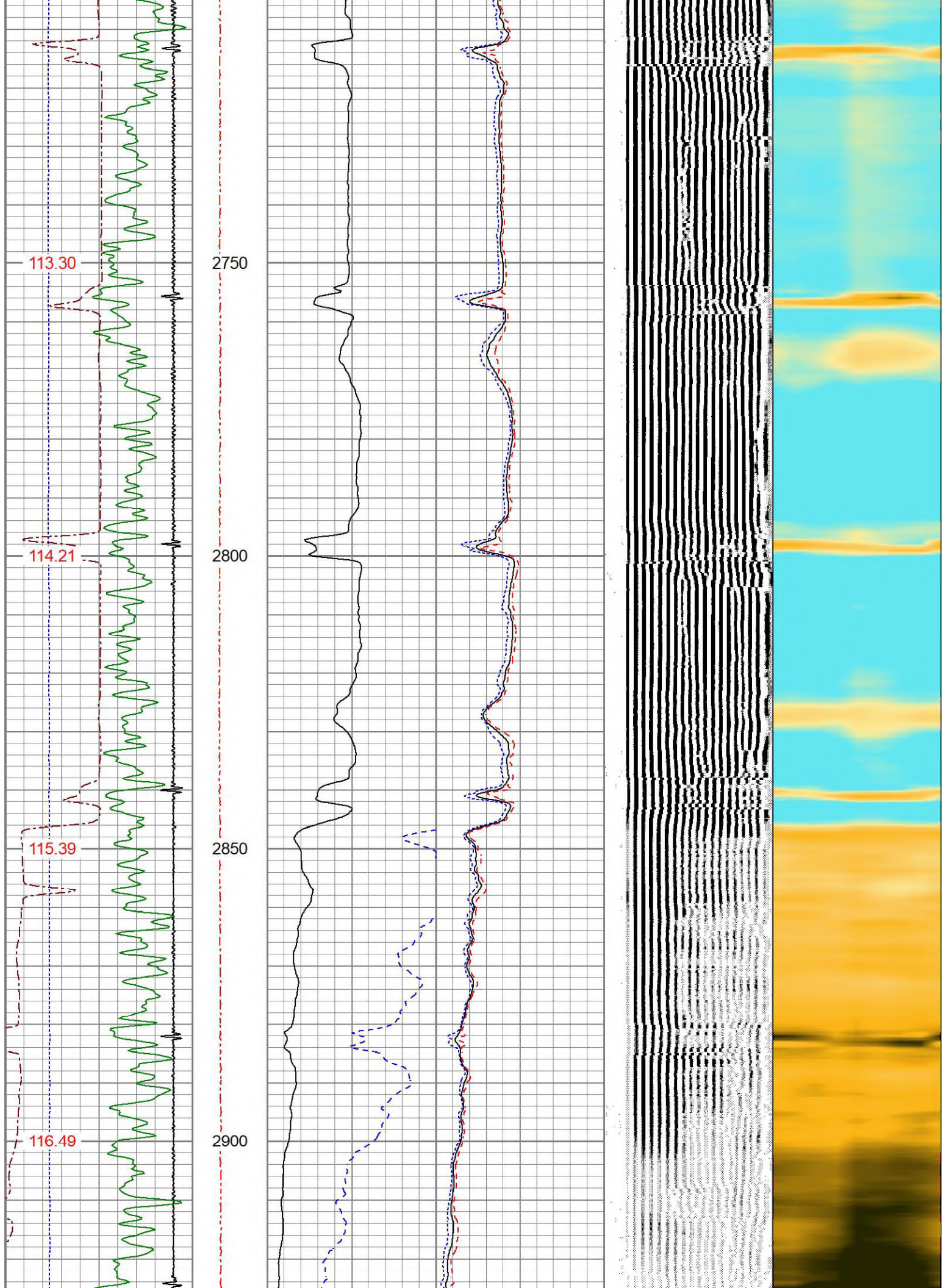


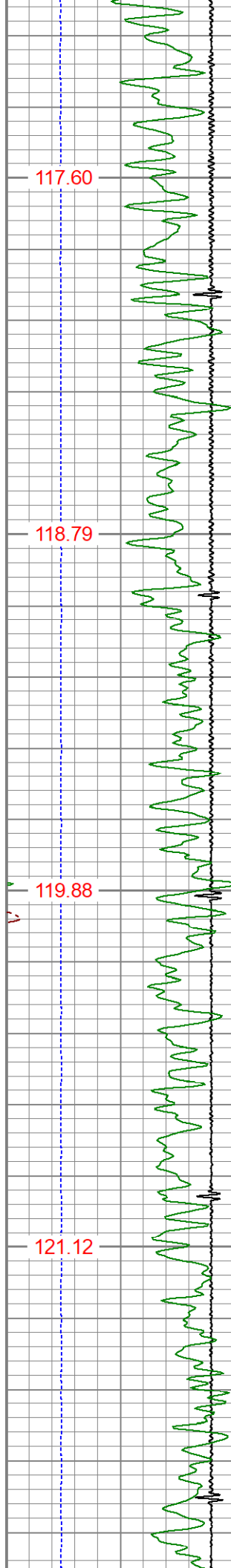












117.60

118.79

119.88

121.12

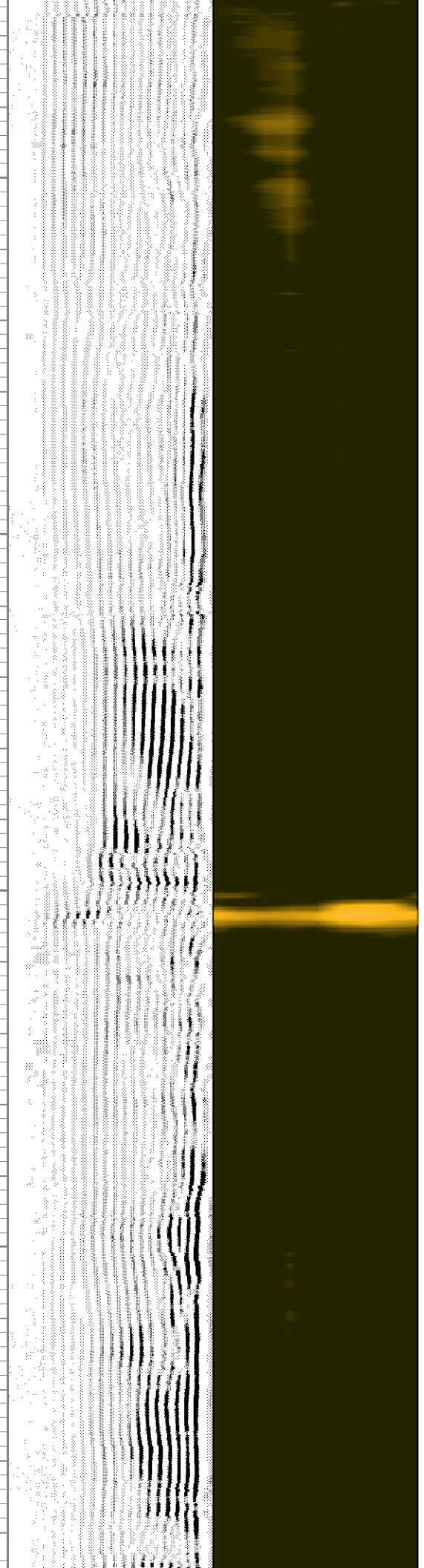
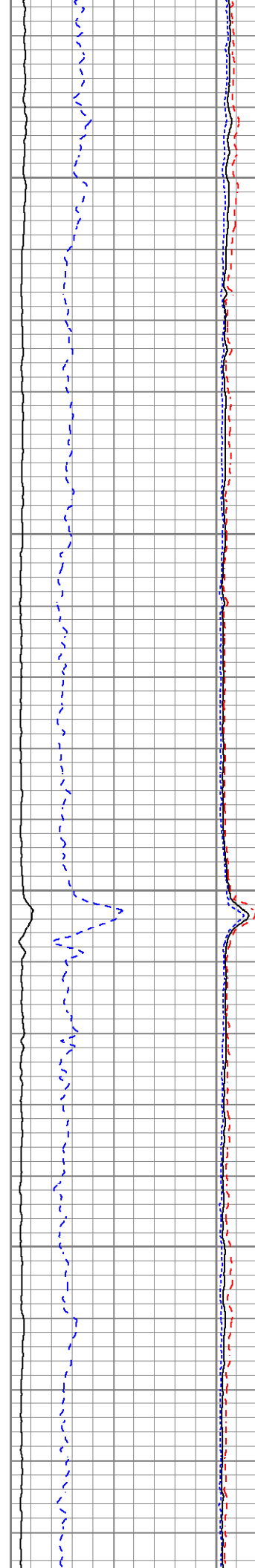


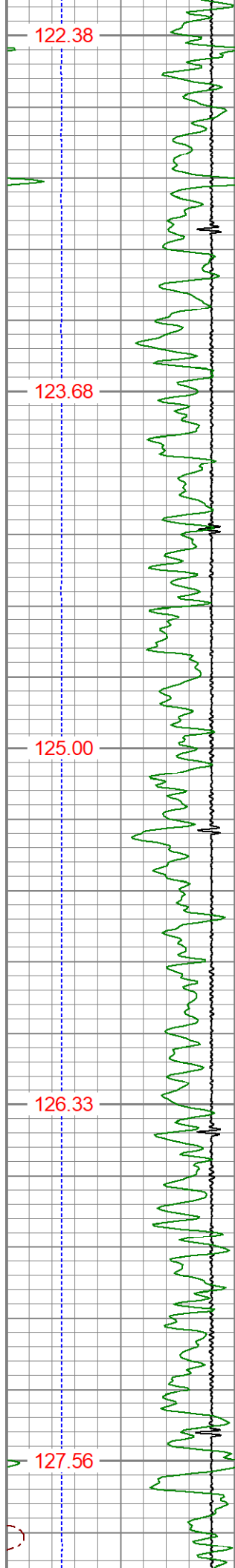
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3000

3050

3100





122.38

123.68

125.00

126.33

127.56

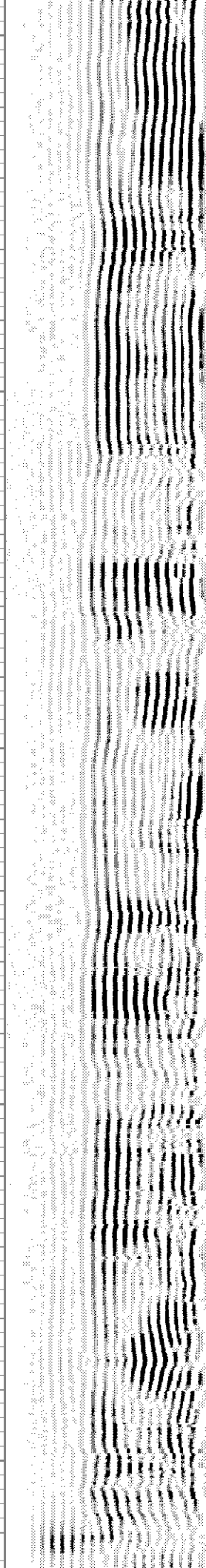
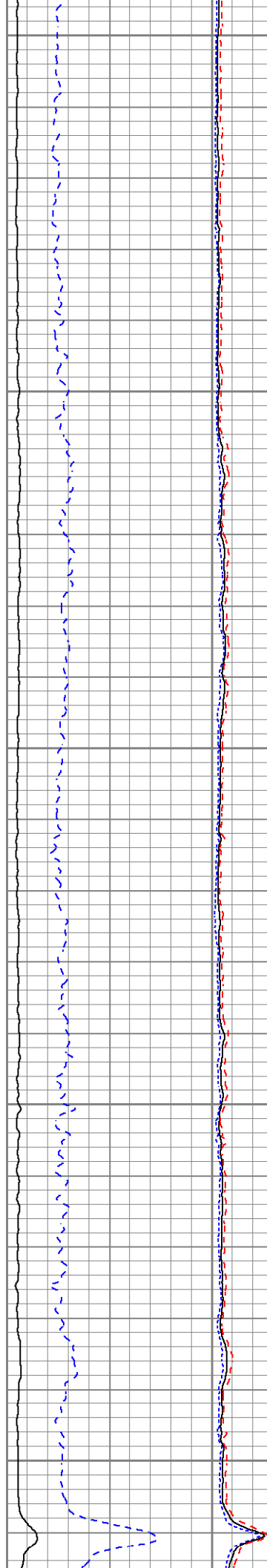
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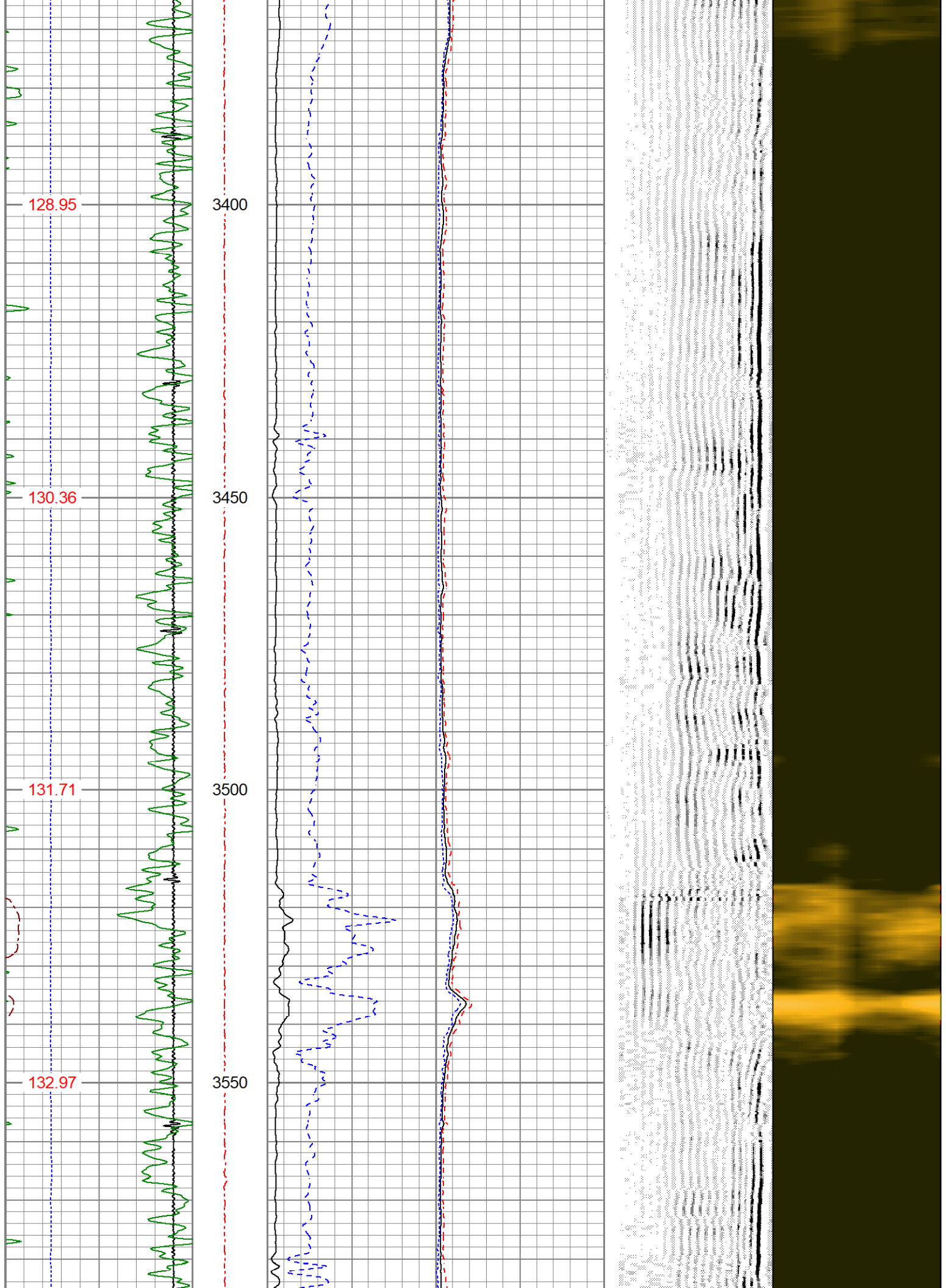
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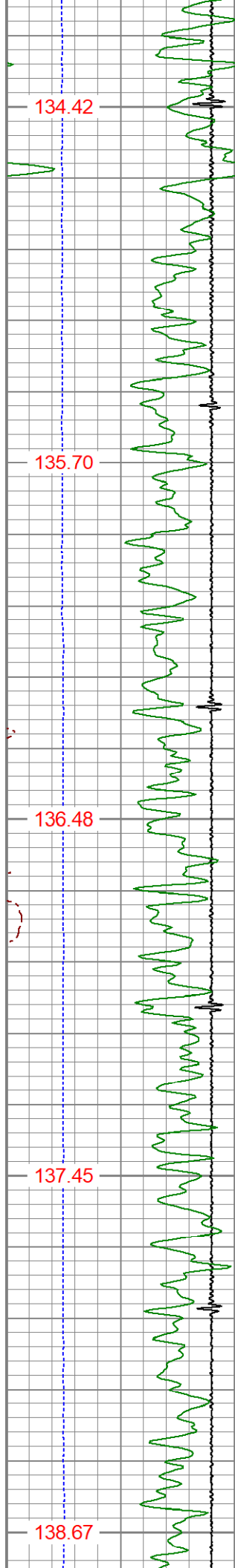
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3300

3350







134.42

135.70

136.48

137.45

138.67

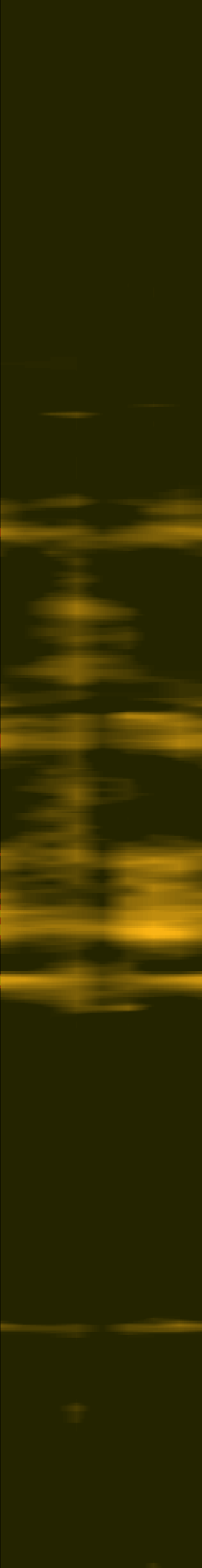
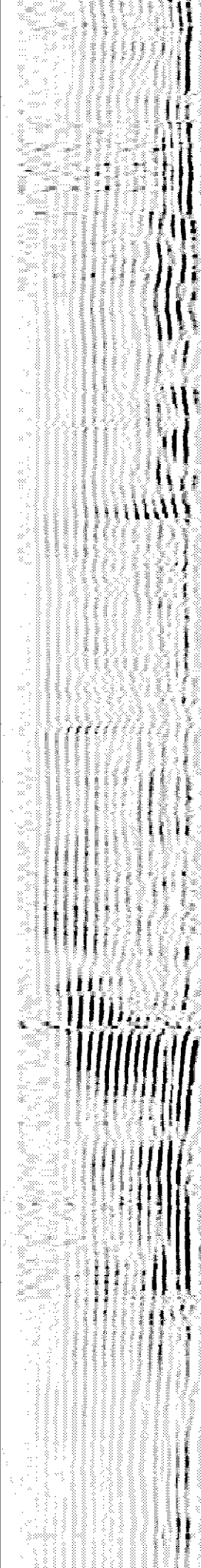
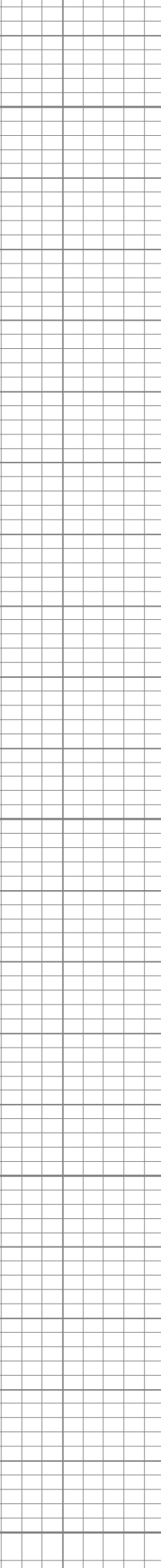
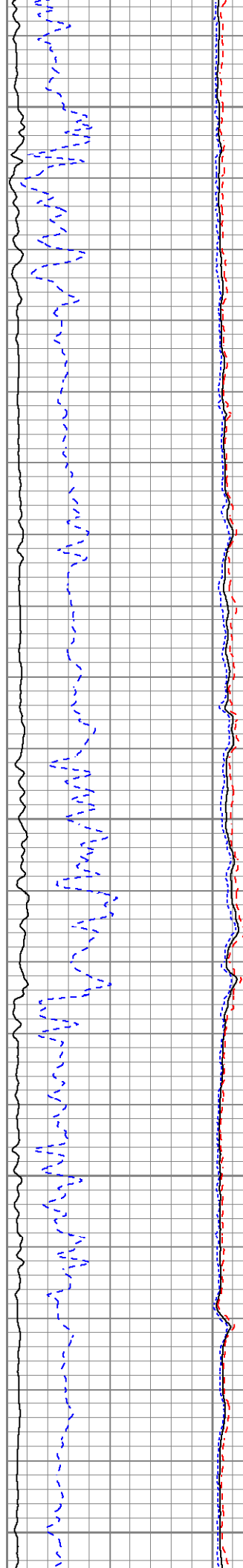
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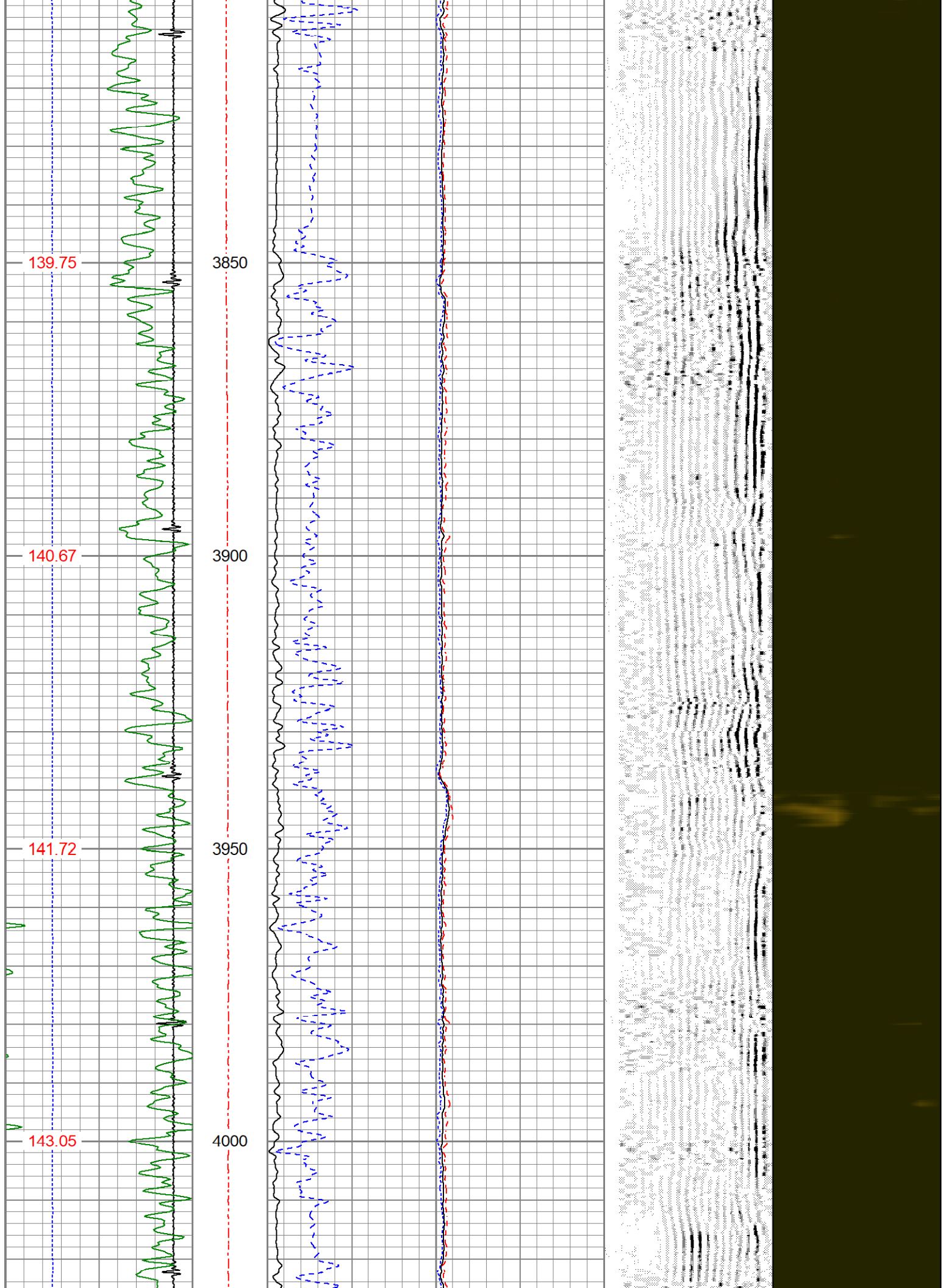
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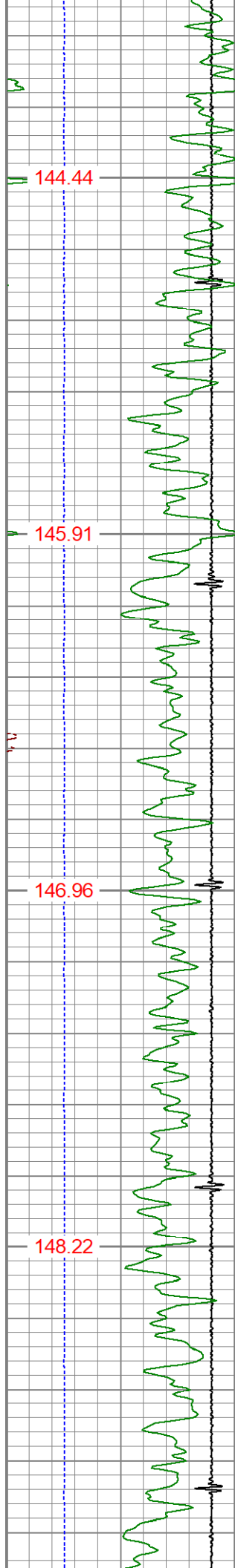
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3750

3800





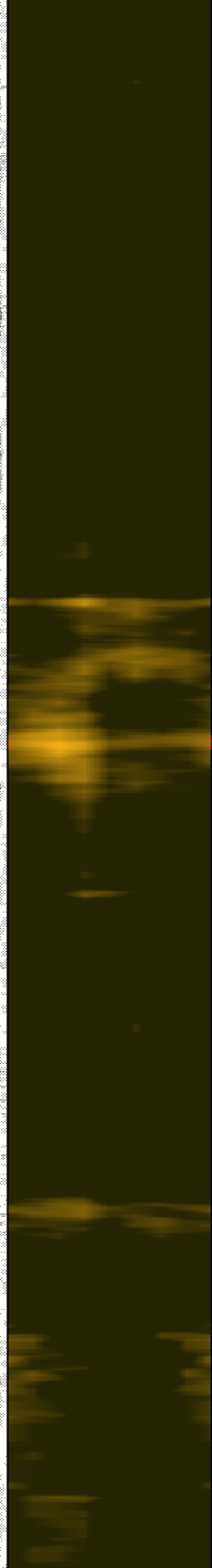
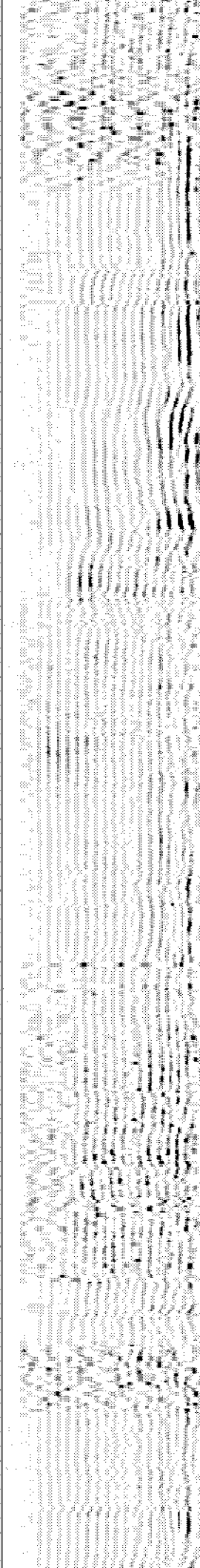
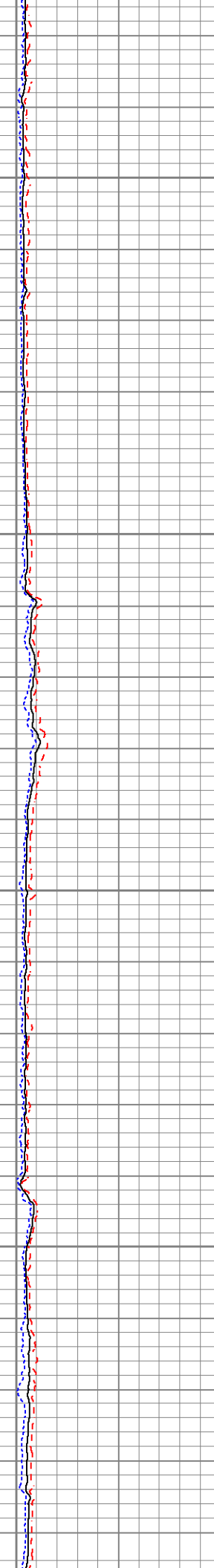
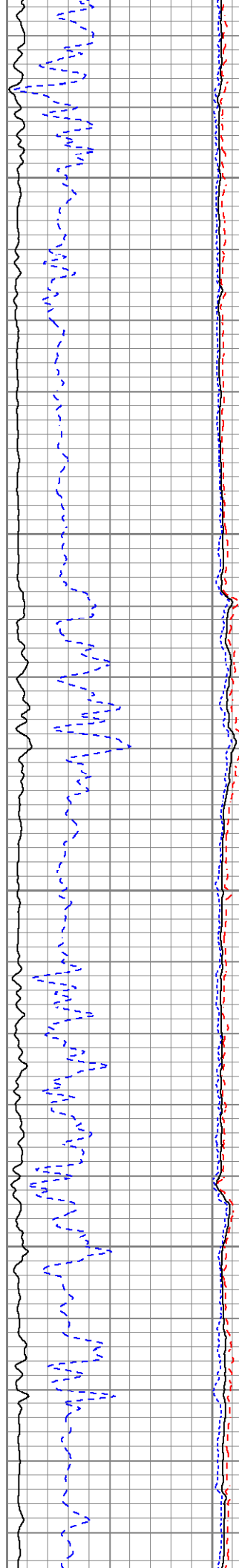


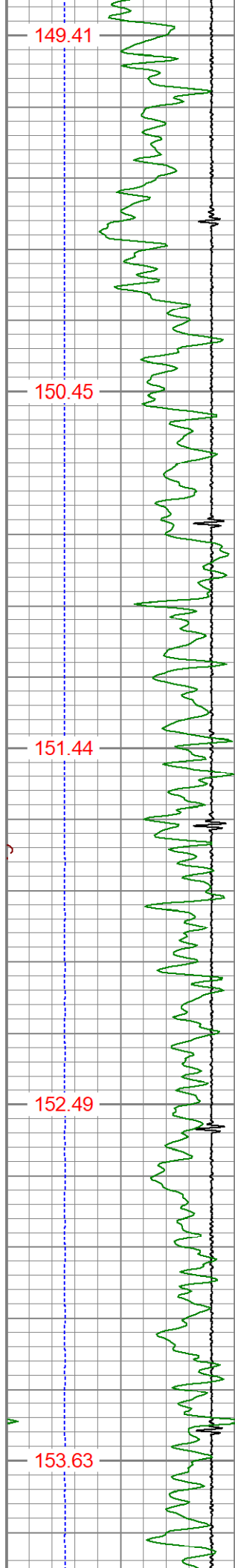
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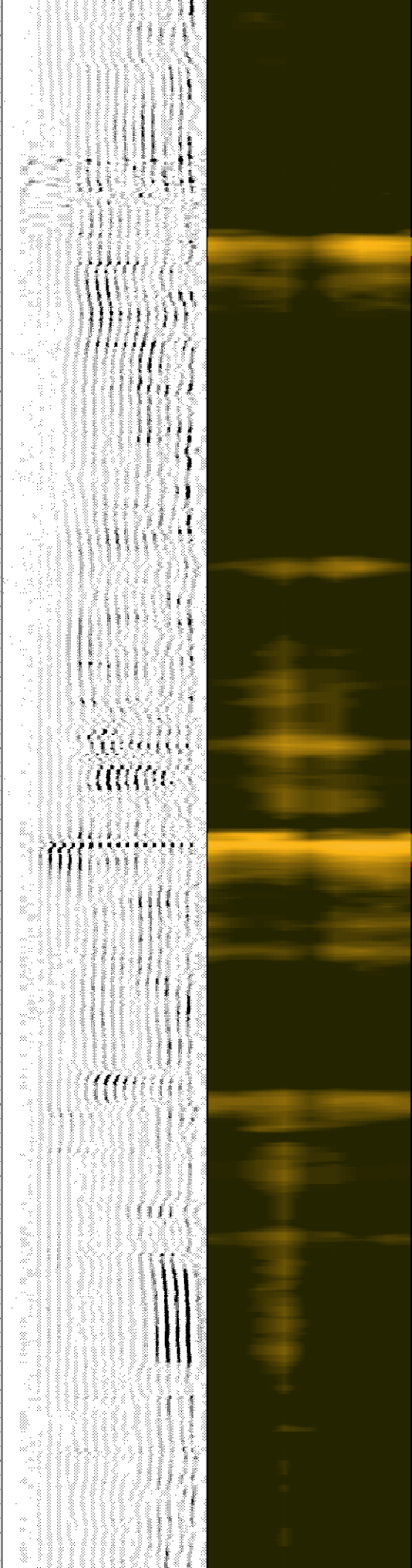
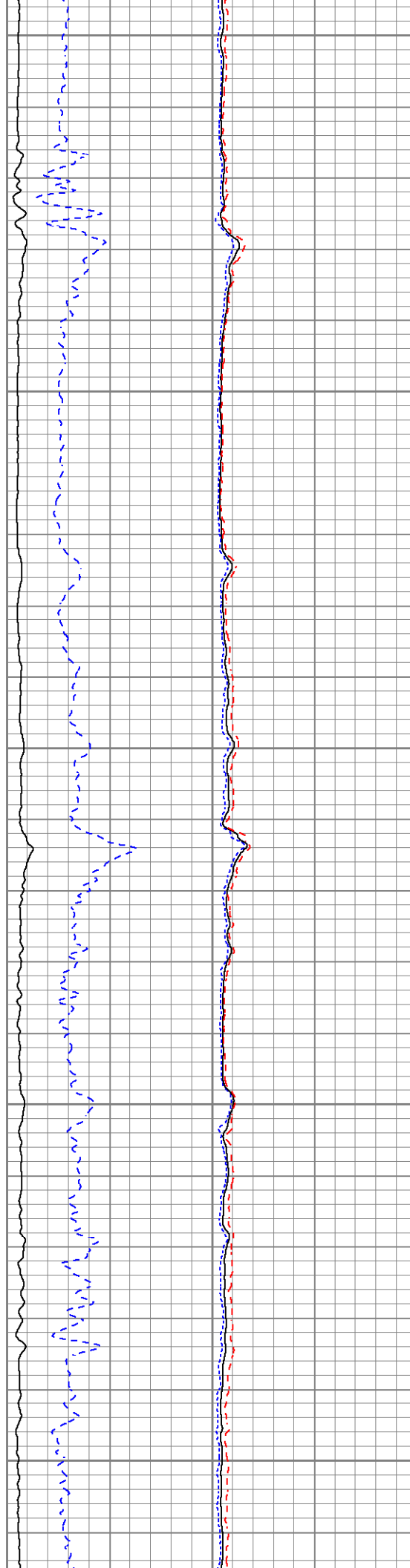
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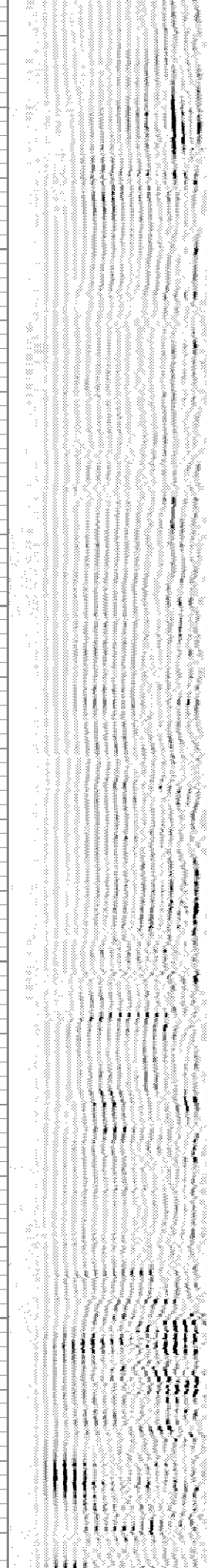
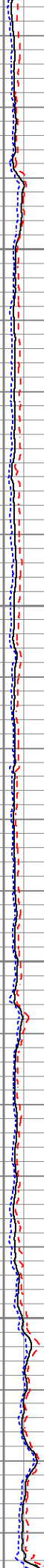
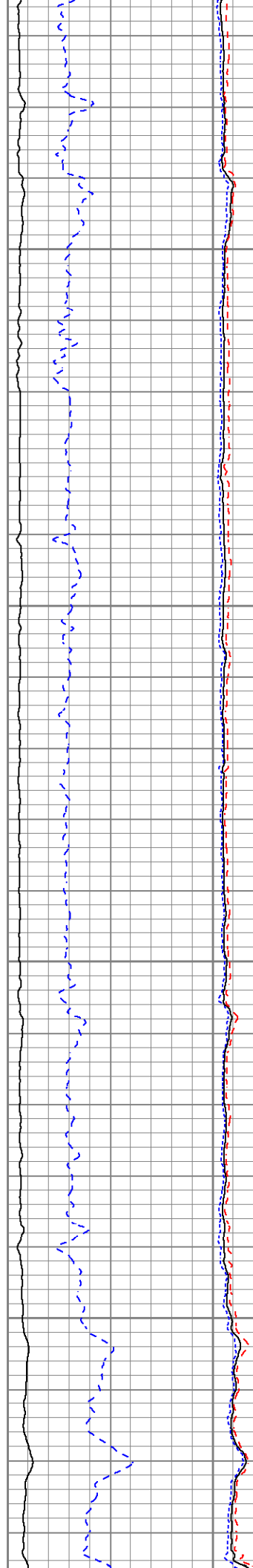
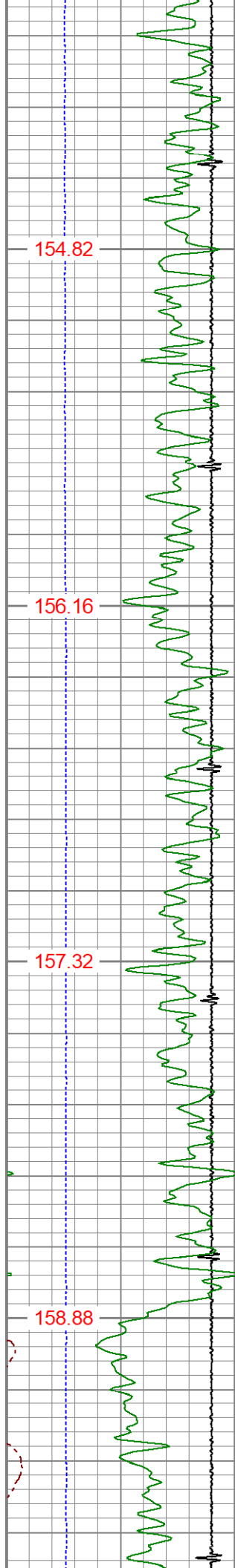
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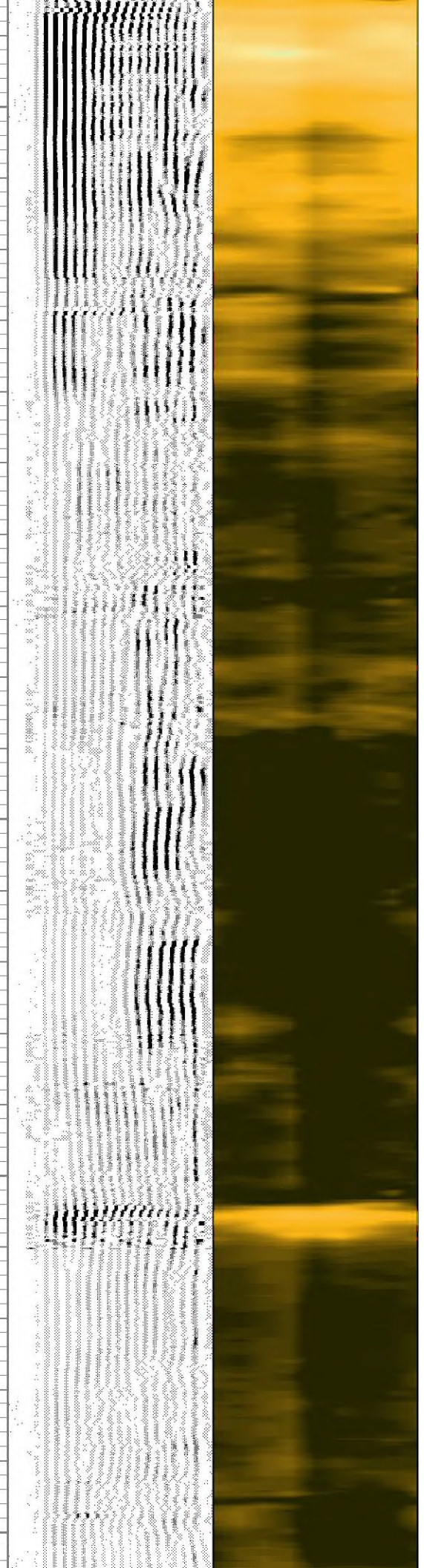
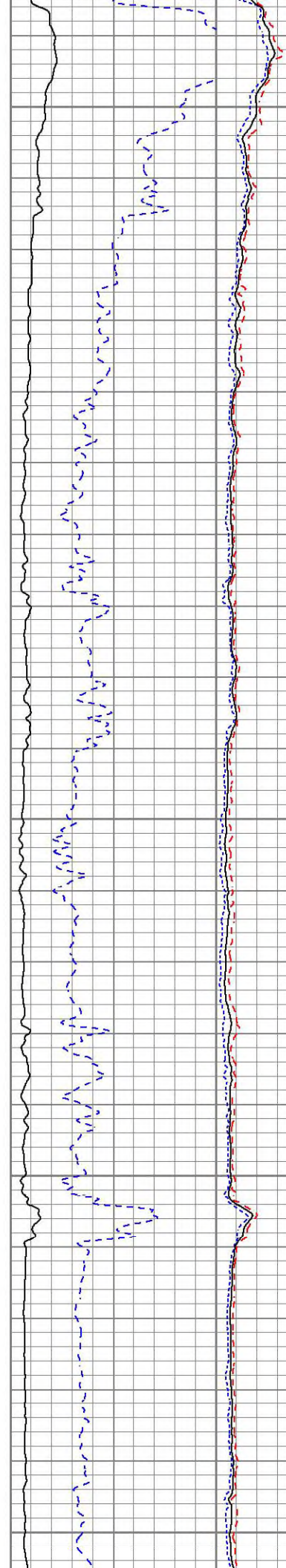
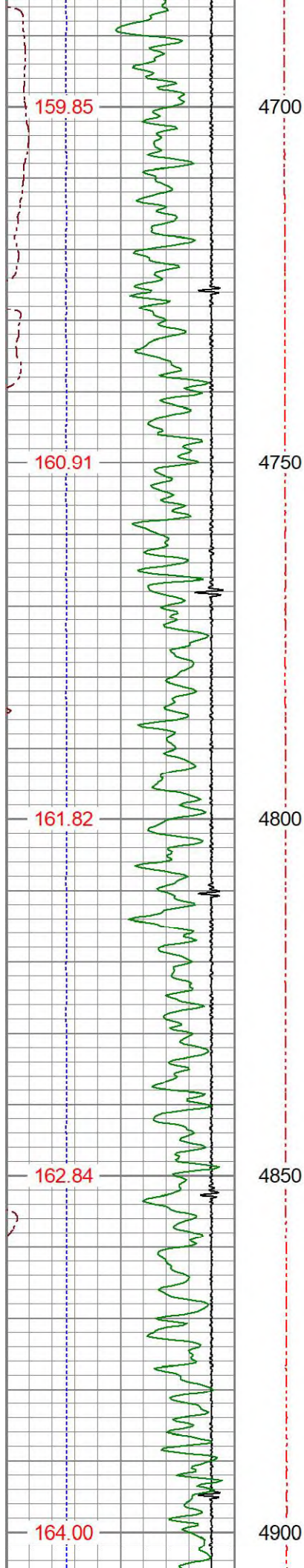


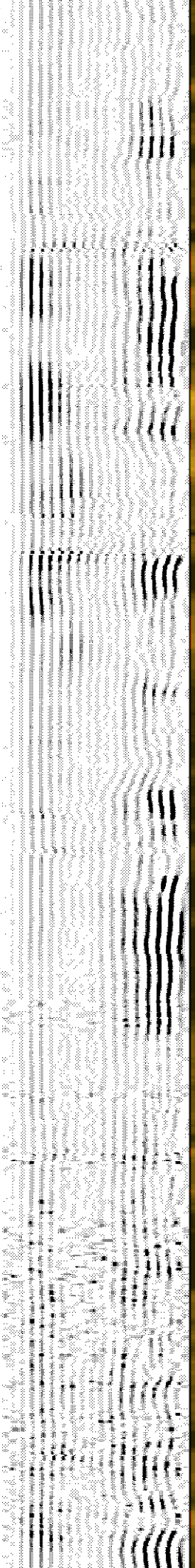
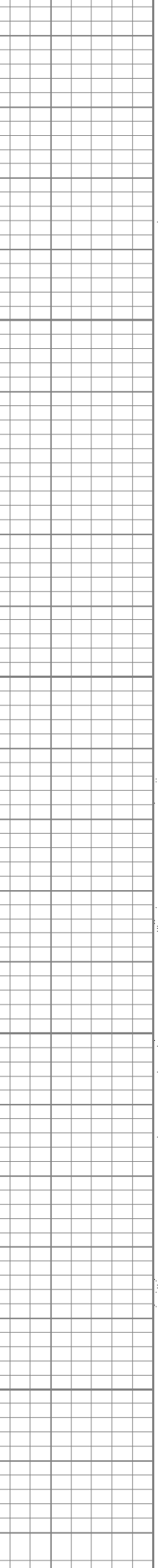
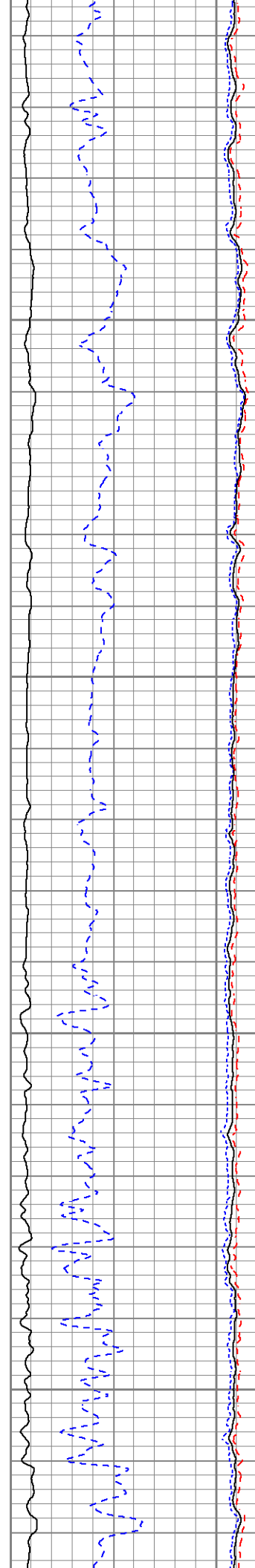
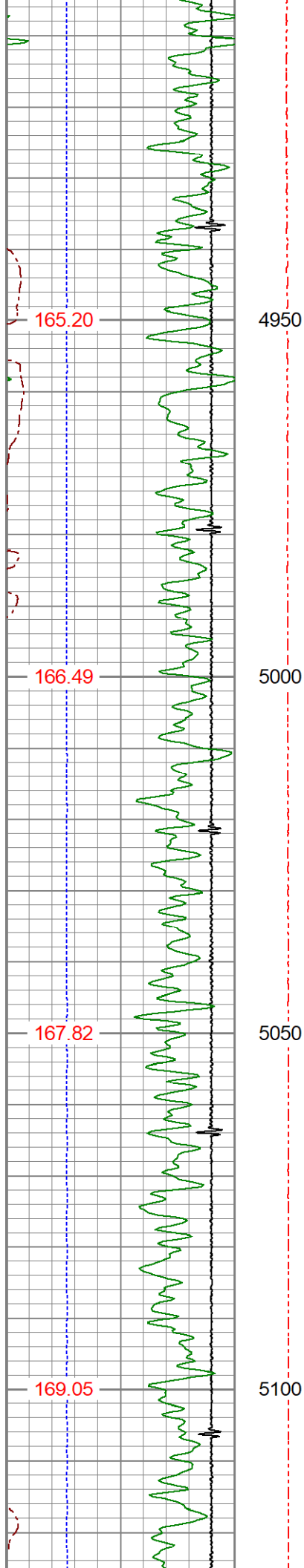


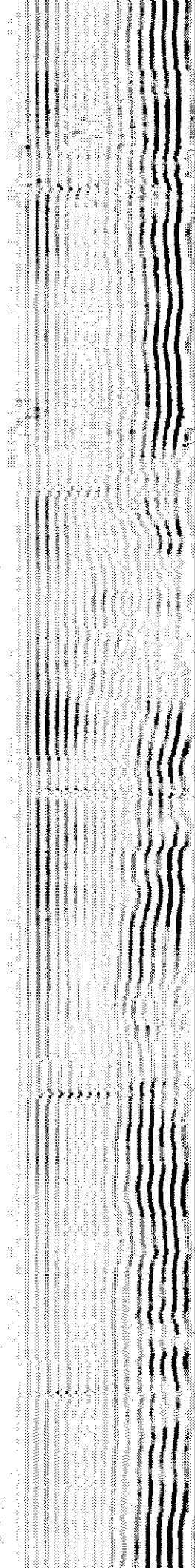
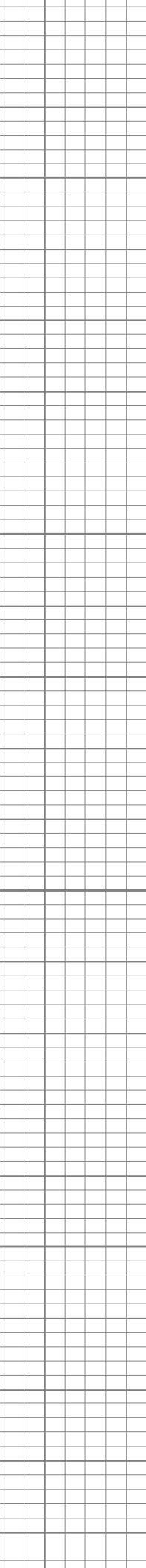
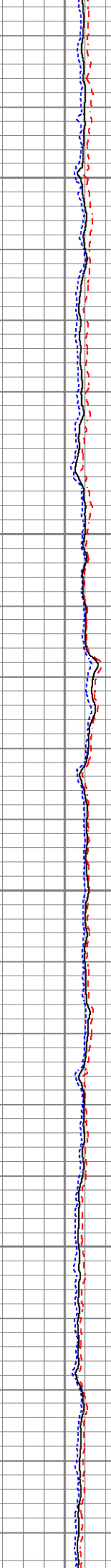
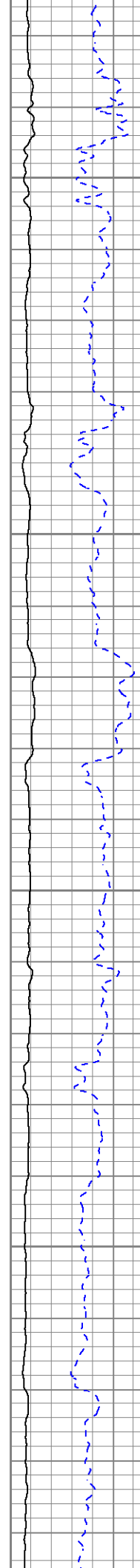
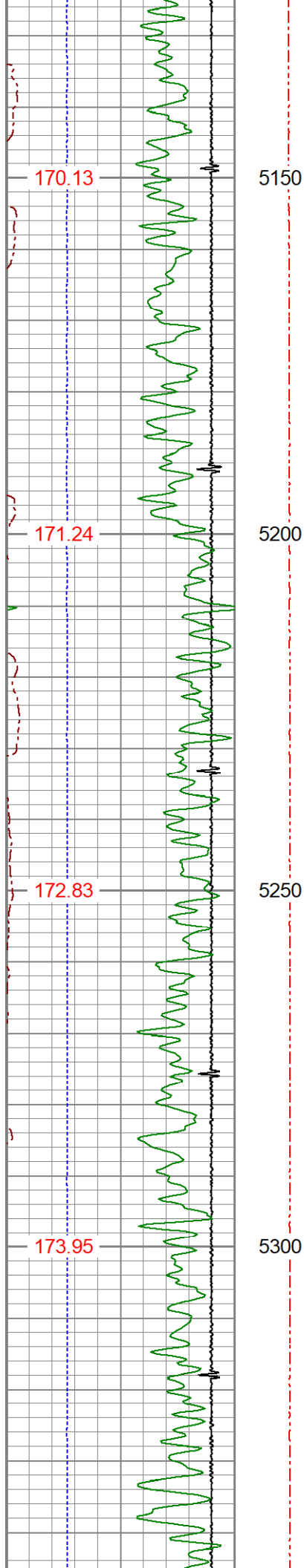
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4350
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4450

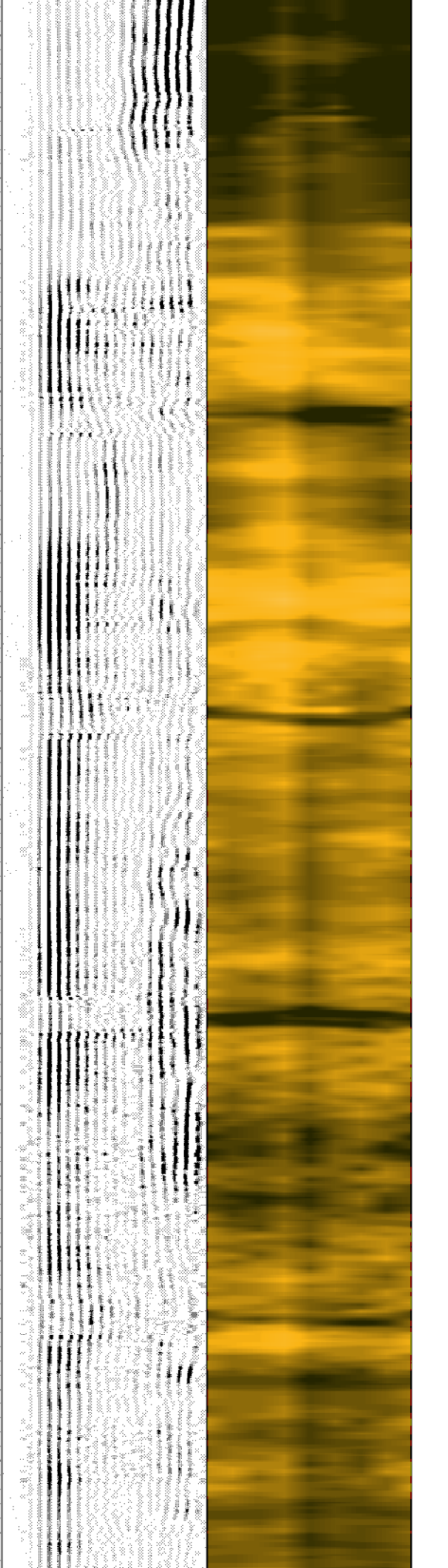
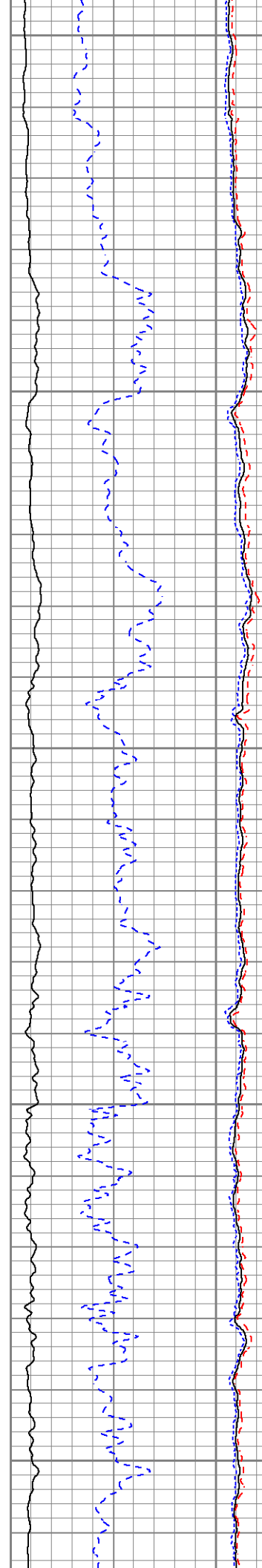
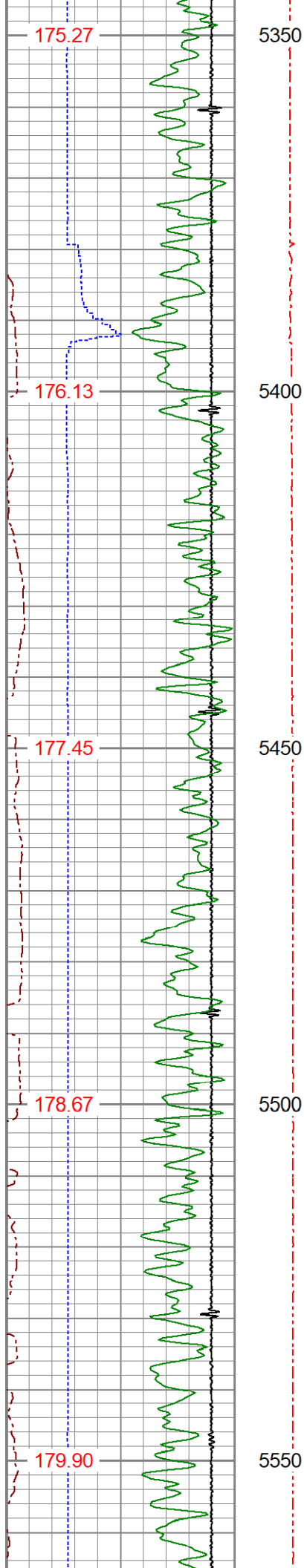


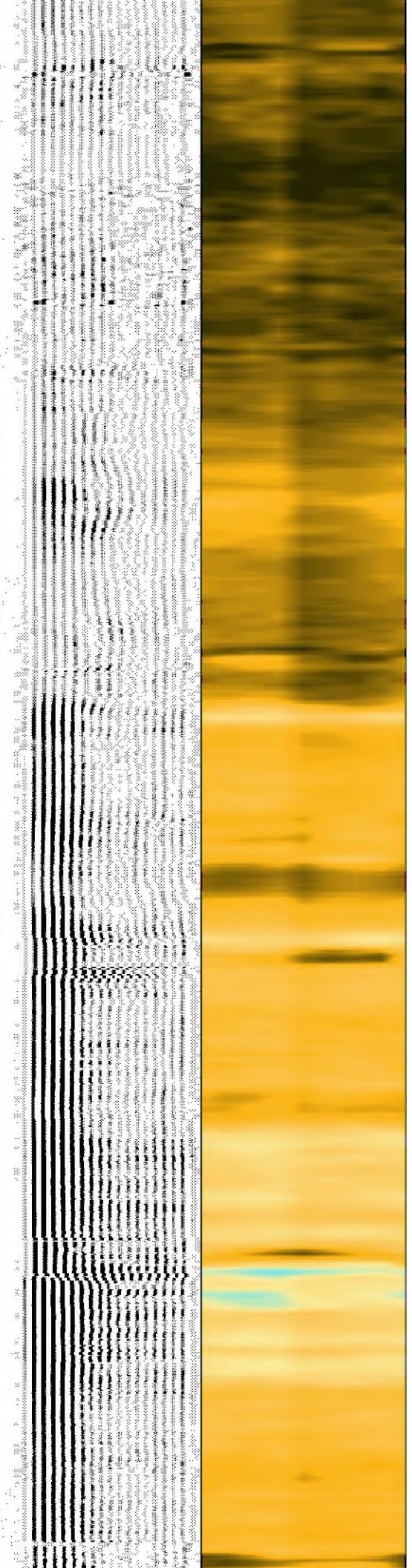
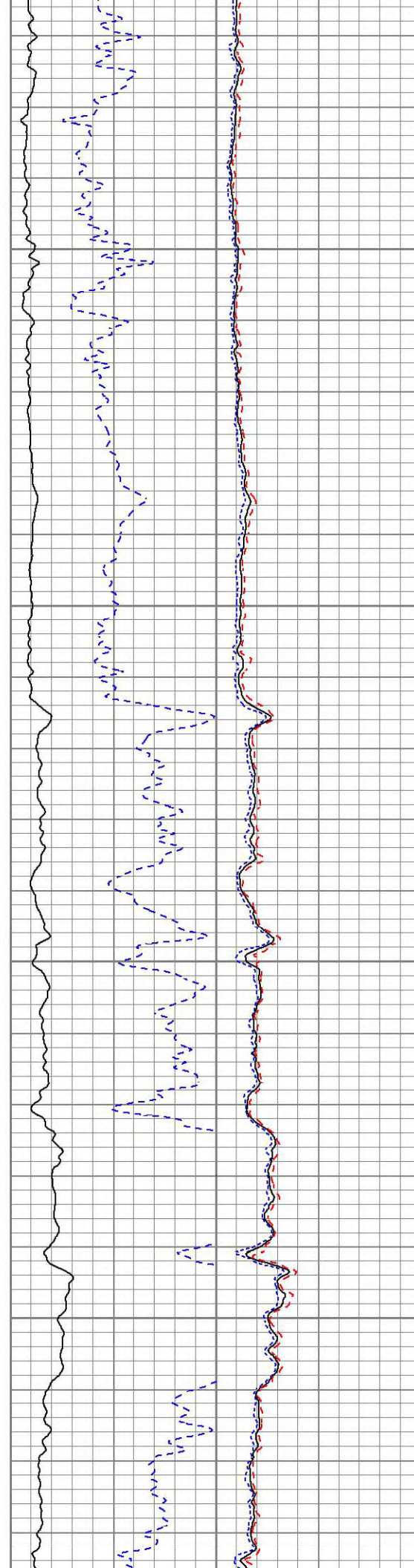
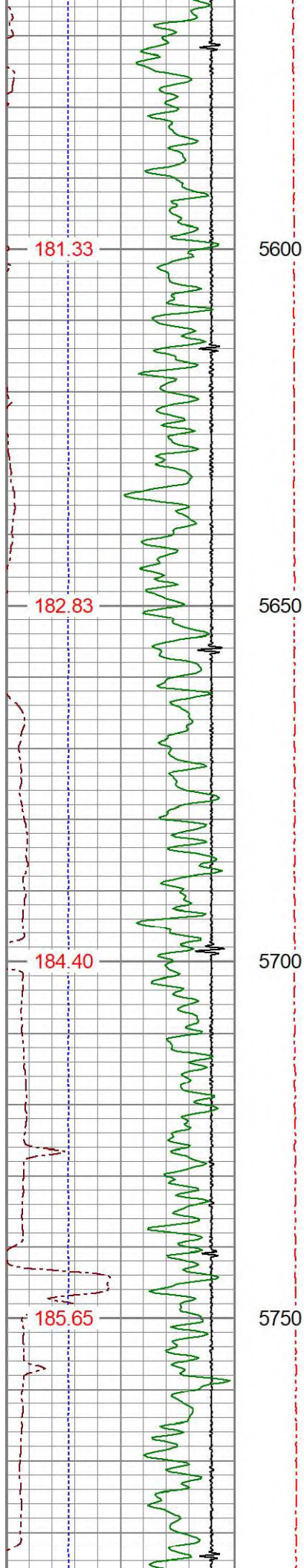


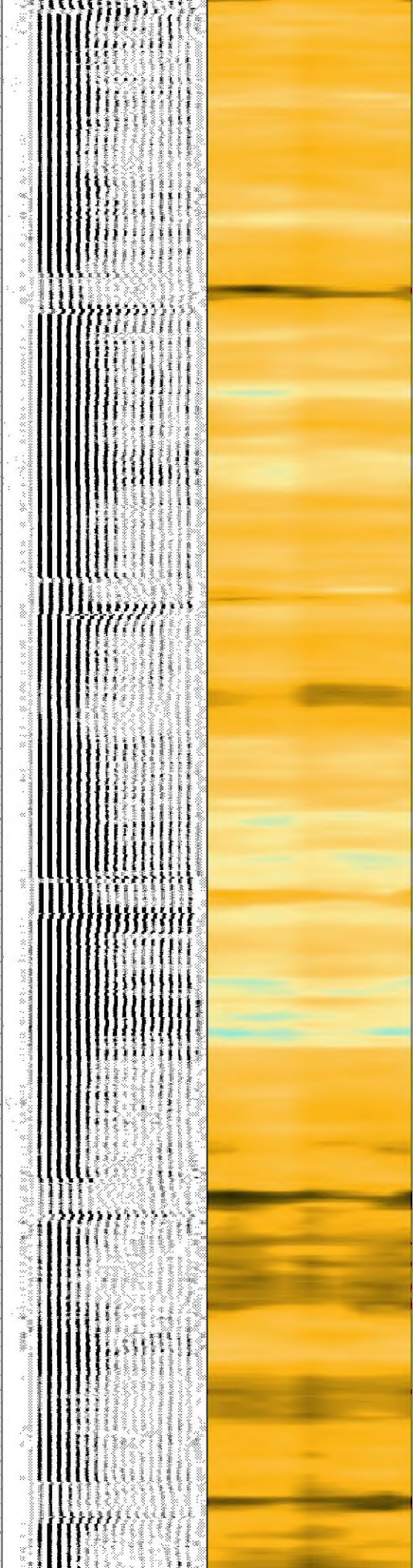
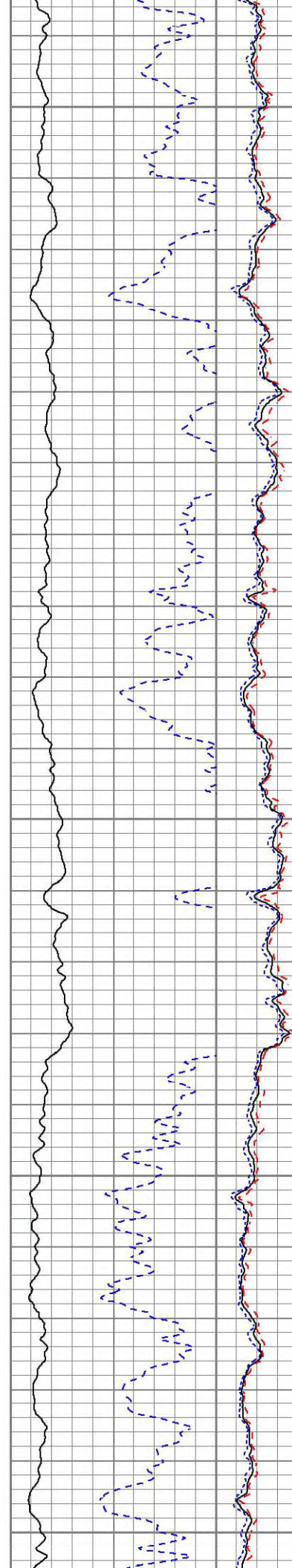
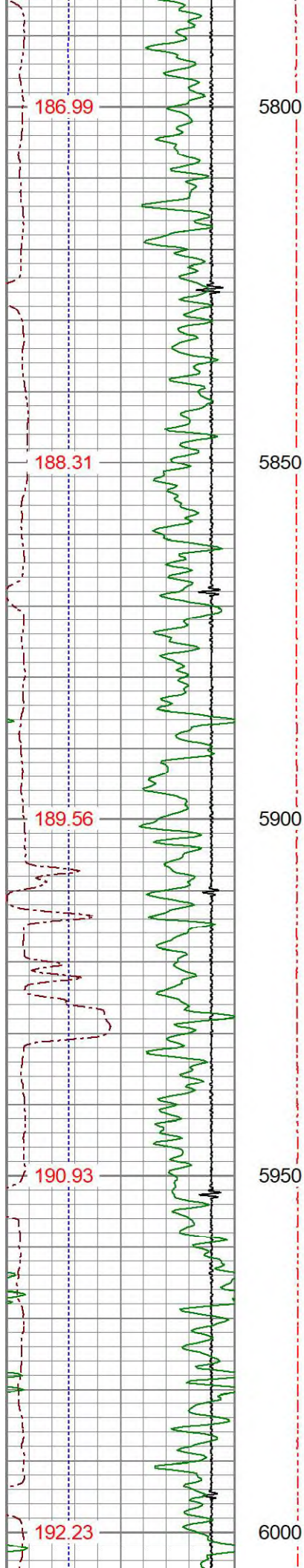


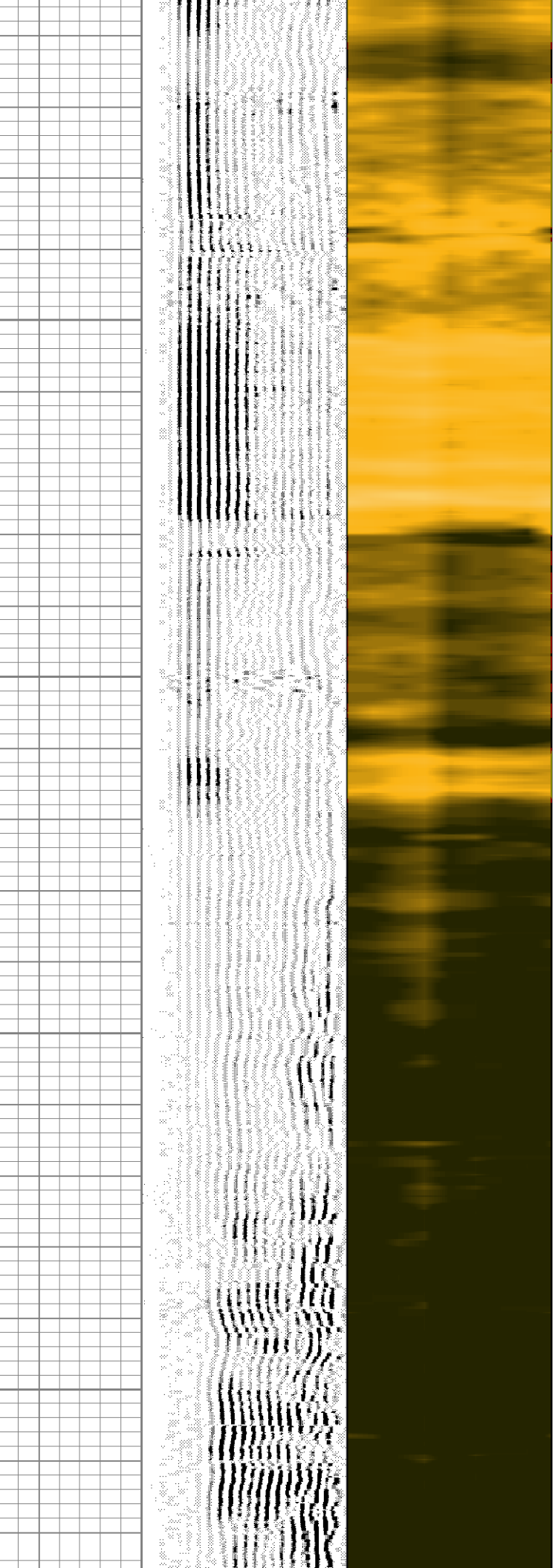
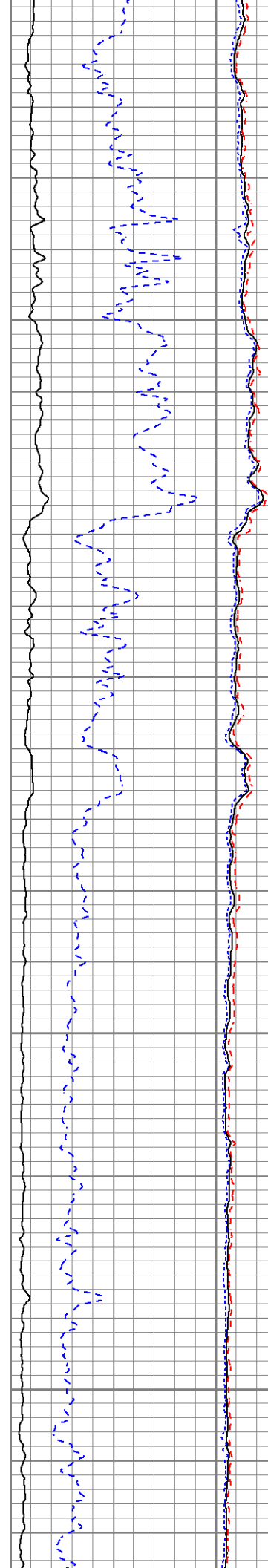
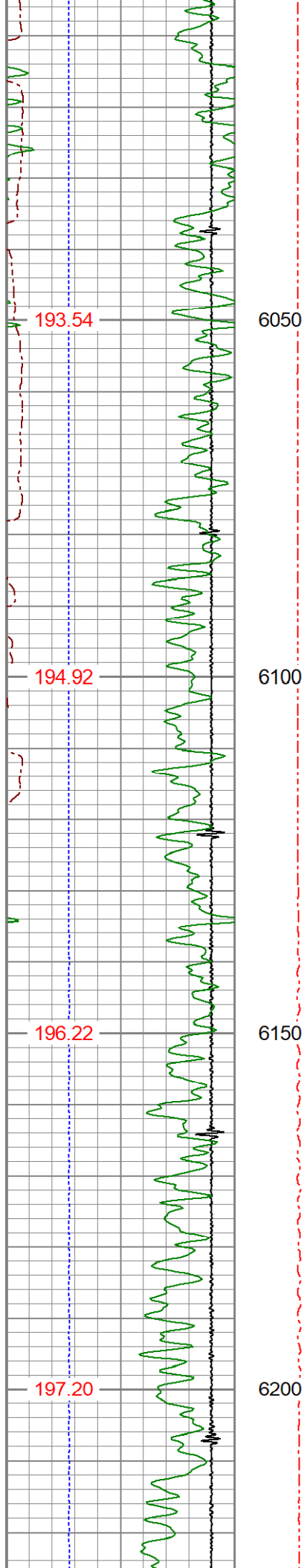


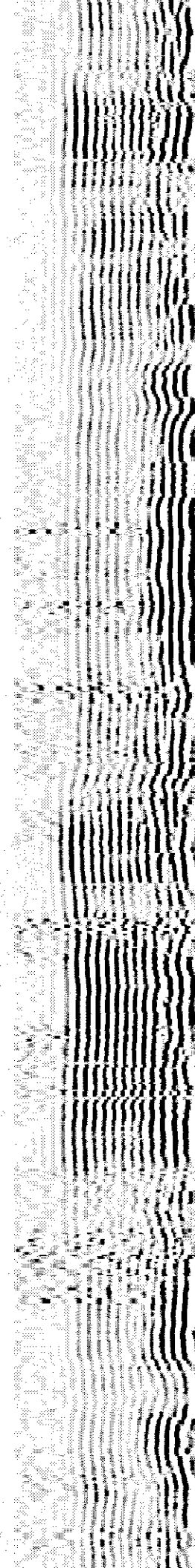
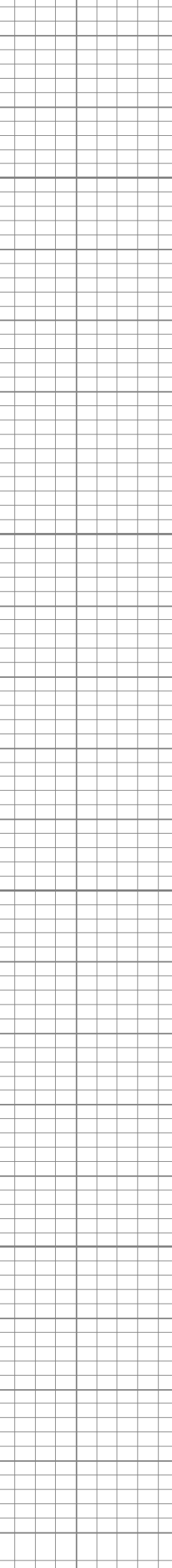
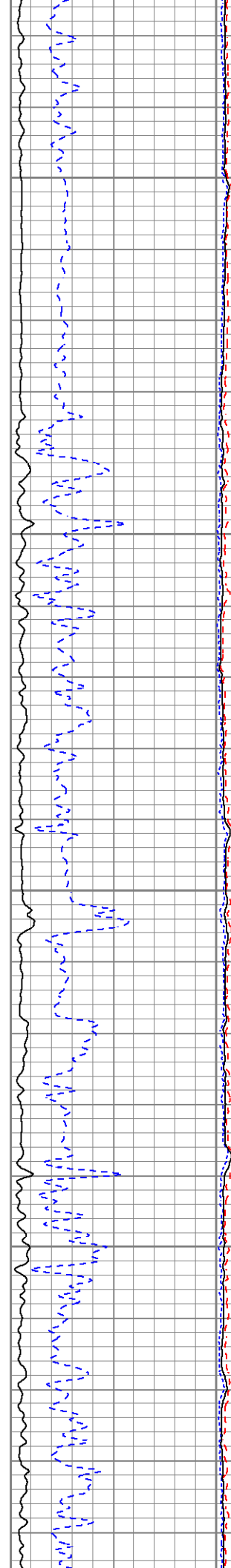
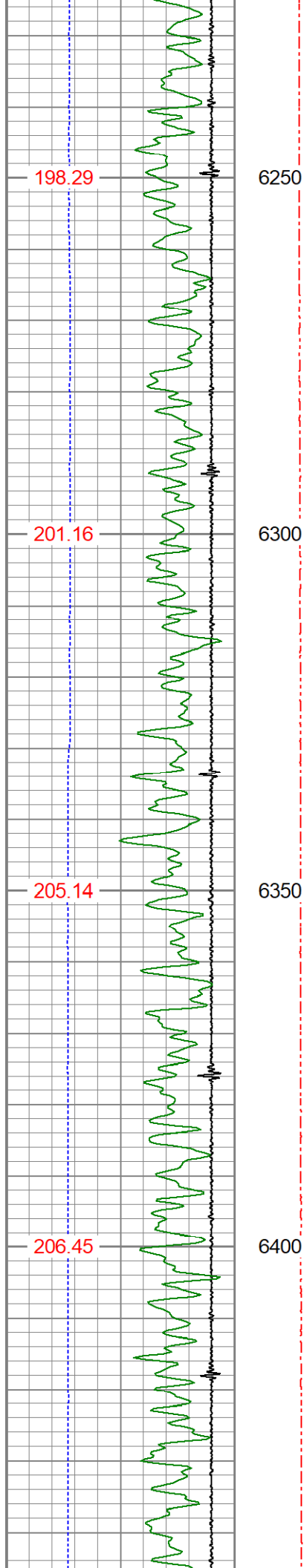


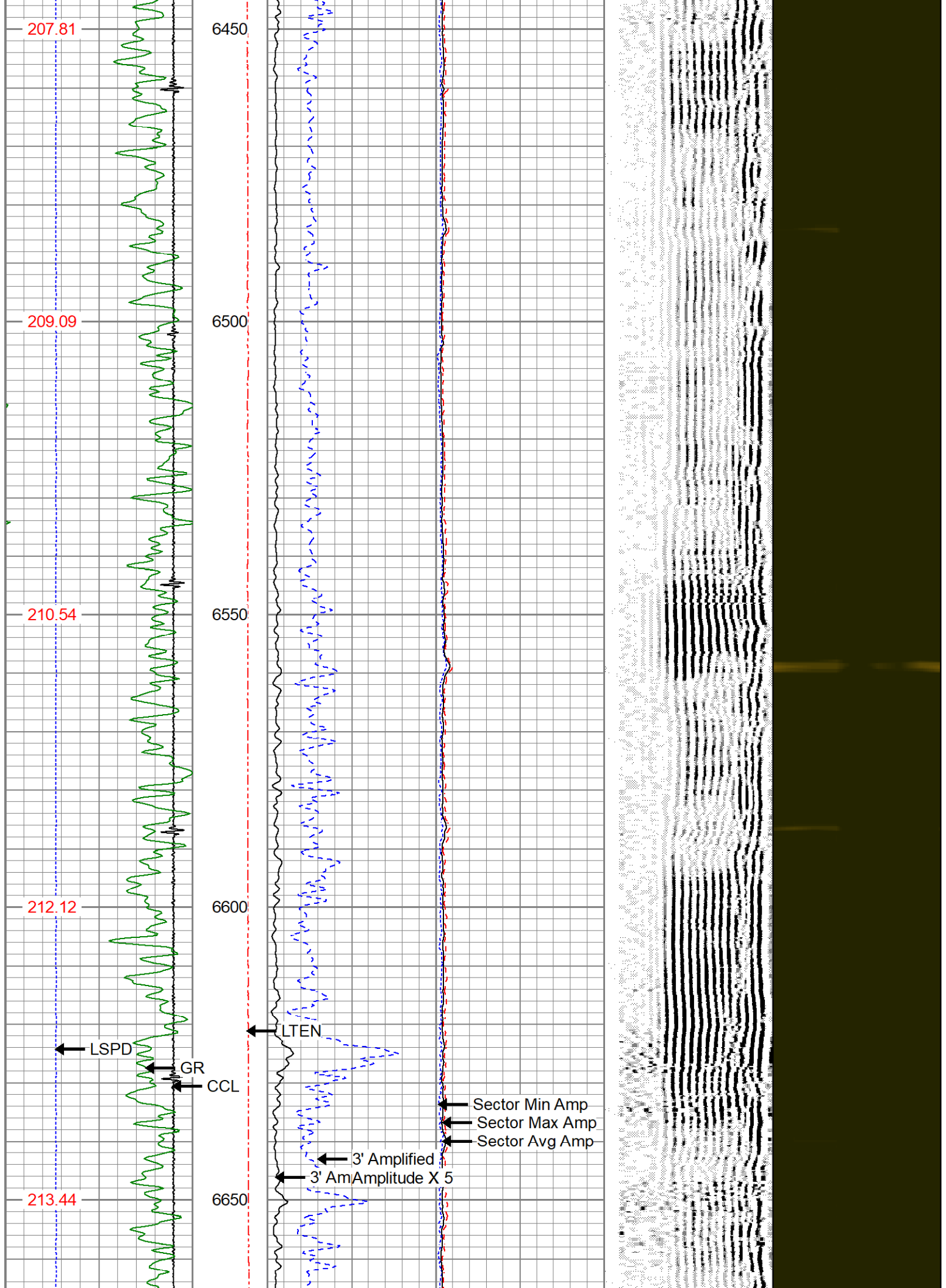


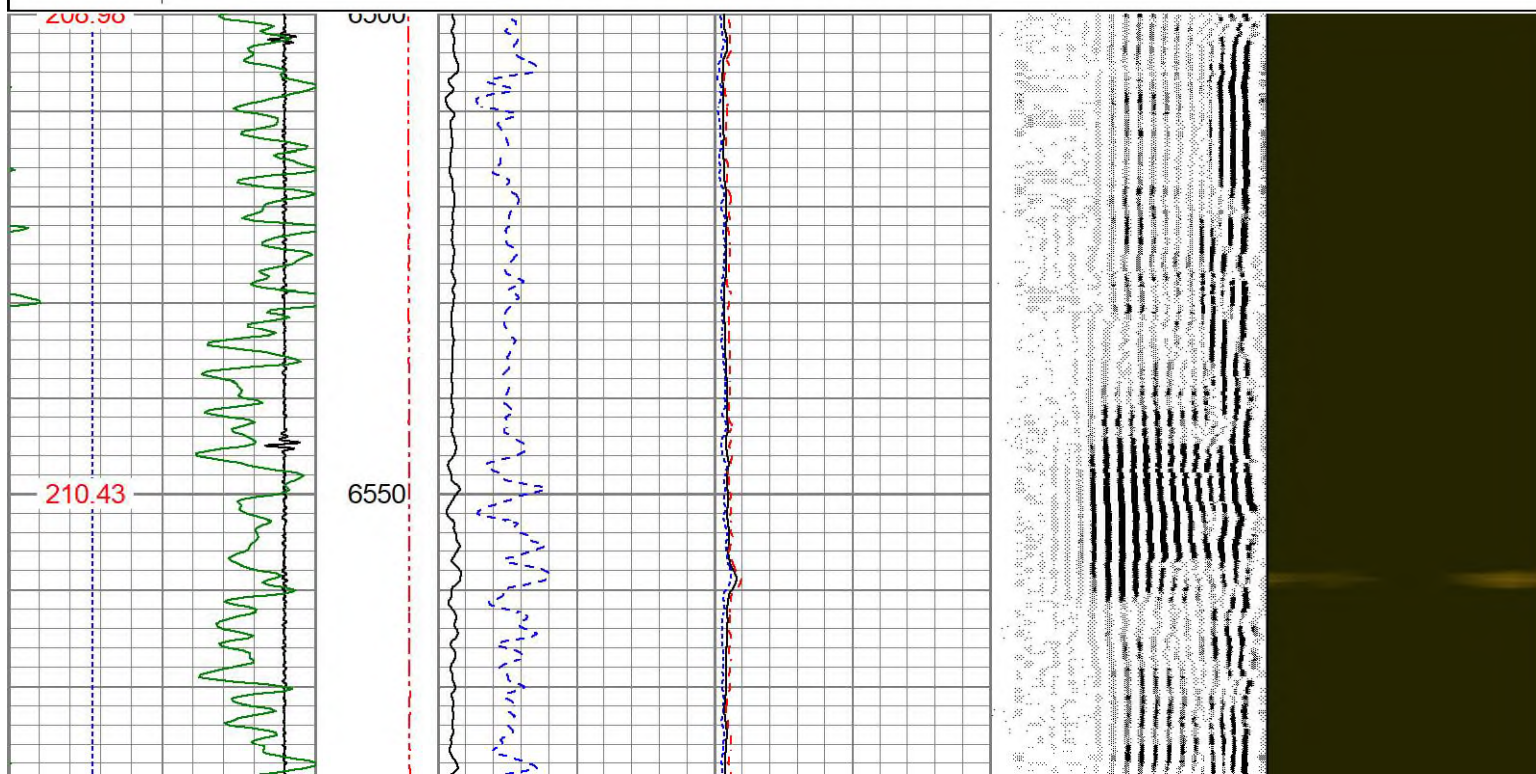
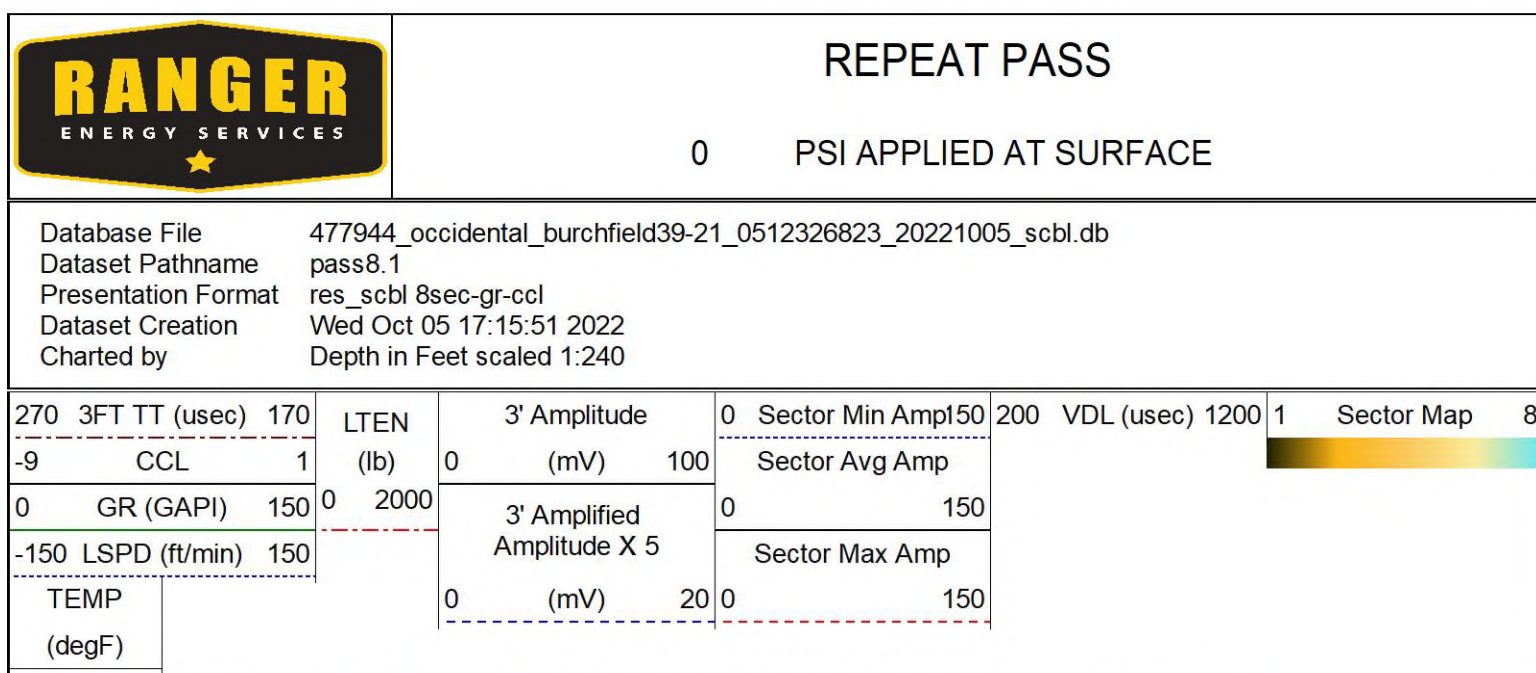
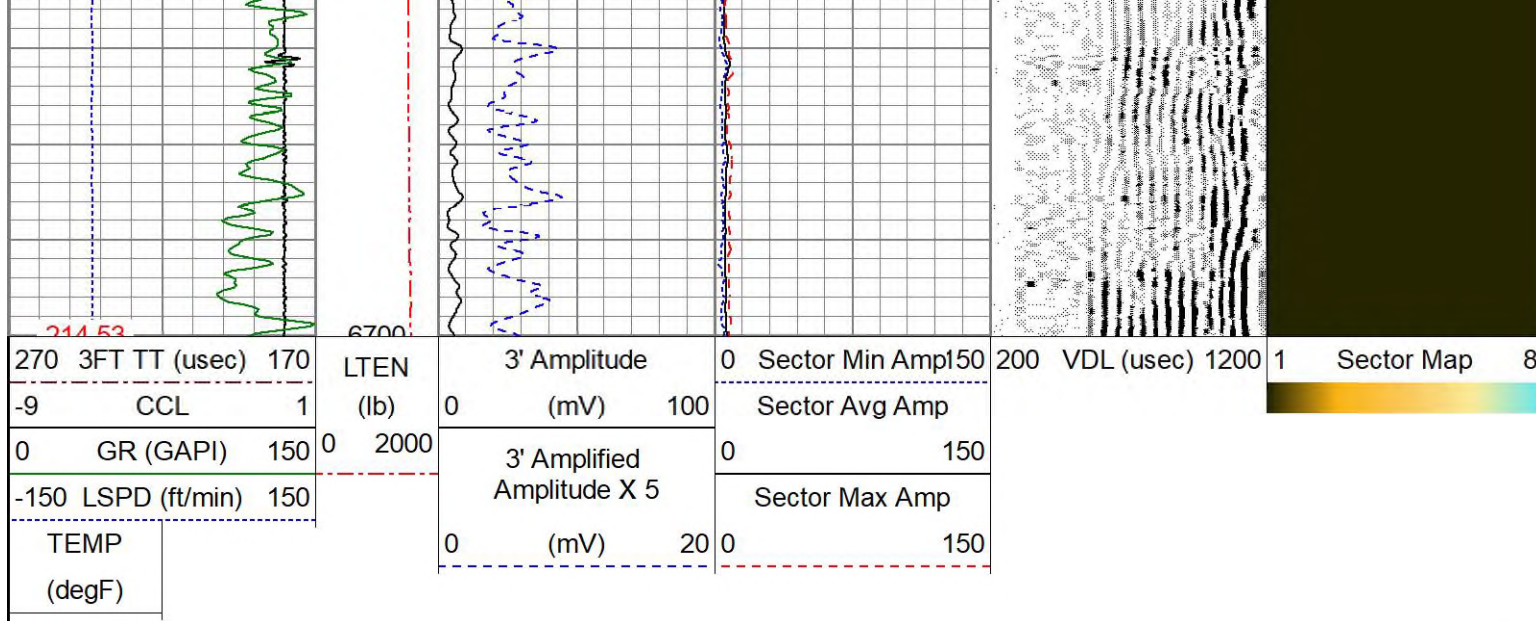


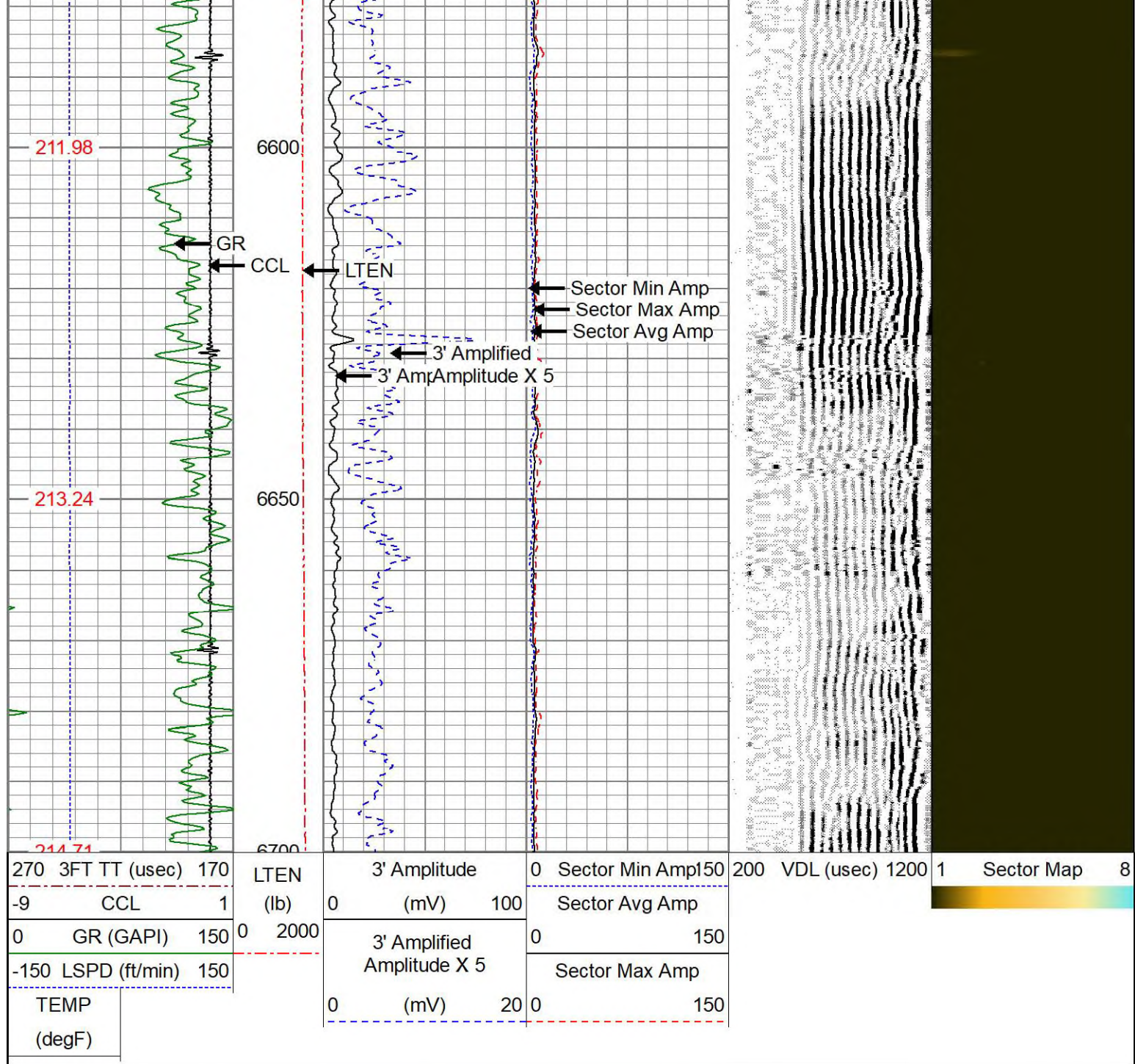












Segmented Cement Bond Log Calibration Report

Serial Number:	275001	
Tool Model:	275 Temp JS	
Calibration Casing Diameter:	4.500	in
Calibration Depth:	2373.833	ft

Master Calibration, performed (Derived):

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.086	2.346	0.700	81.196	33.093	3.553
CAL	0.000	1.196				
5'	-0.158	2.500	0.700	81.196	30.282	5.491
SUM						
S1	0.000	2.417	0.000	100.000	41.377	-0.001
S2	0.000	2.448	0.000	100.000	40.849	-0.000
S3	0.000	2.372	0.000	100.000	42.164	-0.000
S4	-0.043	2.384	0.000	100.000	41.214	1.765
S5	0.000	2.430	0.000	100.000	41.159	-0.000
S6	0.000	2.457	0.000	100.000	40.697	-0.001
S7	0.000	2.375	0.000	100.000	42.111	-0.000
S8	-0.001	2.354	0.000	100.000	42.458	0.042

Temperature Calibration Report

Serial Number:	275001
Tool Model:	275 Temp JS
Performed:	Wed Dec 21 10:28:52 2016

	Reference		Reading	
Low Reference:	0.00	degF	0.00	usec
High Reference:	1.00	degF	1.00	usec
Gain:	0.33			
Offset:	0.00			
Delta Spacing	1			



Company	OCCIDENTAL PETROLEUM CORP.
Well	BURCHFIELD 39-20
Field	WATTENBURG
County	WELD
State	CO