Radial Cement Bond
Gamma Ray
Casing Collar Log

Company	TEP Rocky Mountain LLC
Well	Leverich SR 21-24
Field	Rulison
County	Garfield
State	Colorado

Company	TEP Rocky Mountain LLC		
Well	Leverich SR 21-24		
Field	Rulison		
County	Garfield	State	Colorado
Location:	API # : 05-045-24572		Other Services
SEC 13 TWP 7S RGE 94W			
Permanent Datum	Ground Level	Elevation 8007'	Elevation
Log Measured From	Kelly Bushing		K.B. 8037'
Drilling Measured From	Kelly Bushing		D.F. 8037' G.L. 8007'

Date	10-AUG-2023
Run Number	One
Depth Driller	10732'
Depth Logger	10668'
Bottom Logged Interval	10658'
Top Log Interval	Surface
Open Hole Size	8.75"
Type Fluid	Water
Density / Viscosity	8.34 Lb/Gal
Max. Recorded Temp.	251°F
Estimated Cement Top	See log
Time Well Ready	ROA
Time Logger on Bottom	10:00
Equipment Number	8102
Location	Grand Junction
Recorded By	P. Edwards
Witnessed By	J. Boebert

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

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	9.625"	36	Surface	1174'
Prot. String				
Production String	4.5"	13.5	Surface	10732
Liner				

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, 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. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

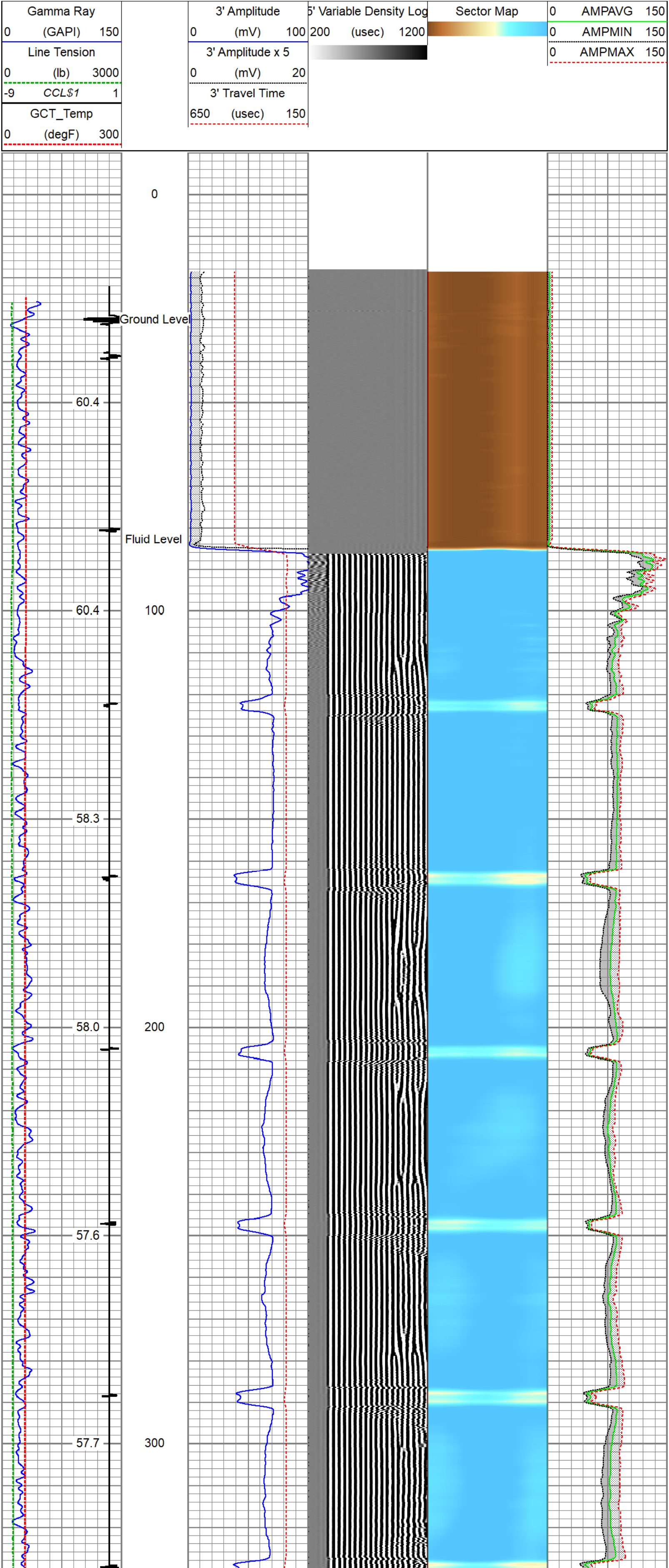
Comments

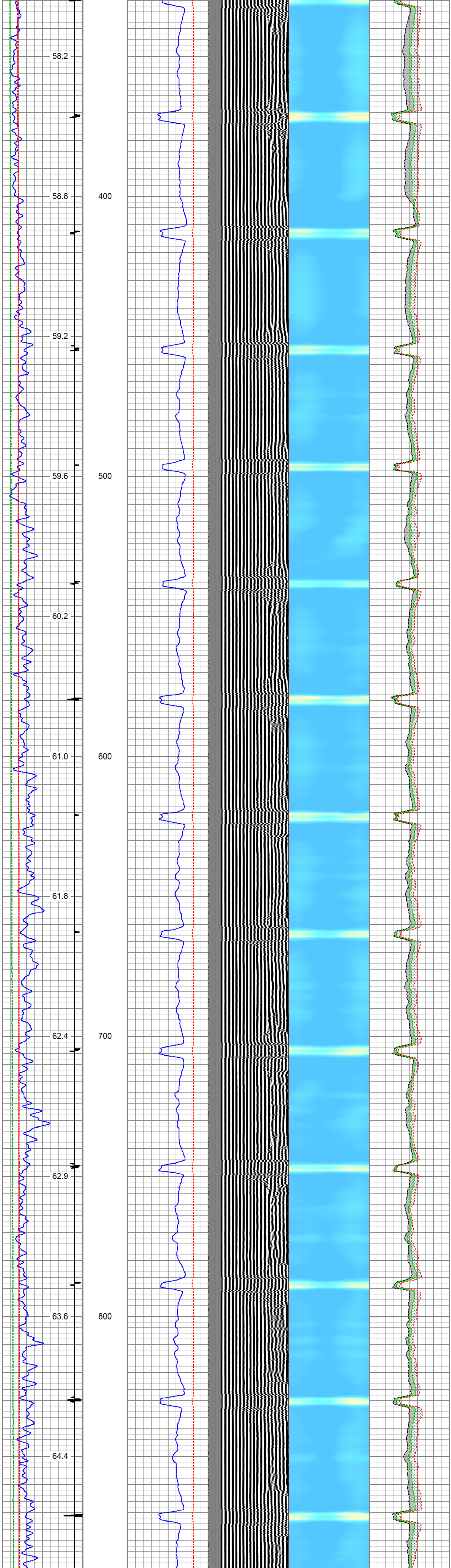
Log ran as per customer request
Depth referenced to Kelly Bushing at 30'
Marker joint logged @ 6608' - 6619'

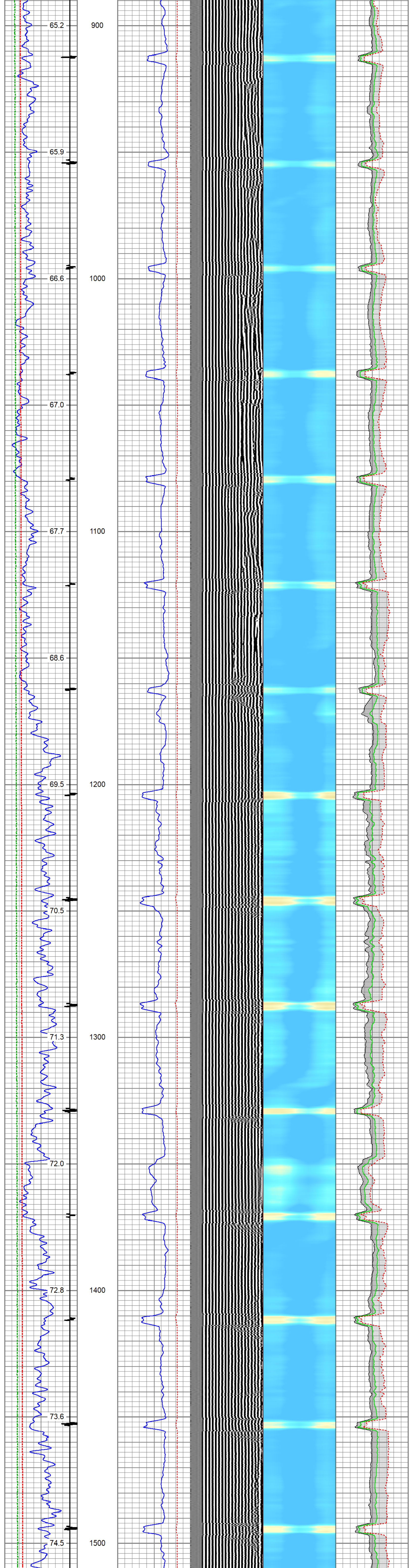
Thank you for choosing The Wireline Group!

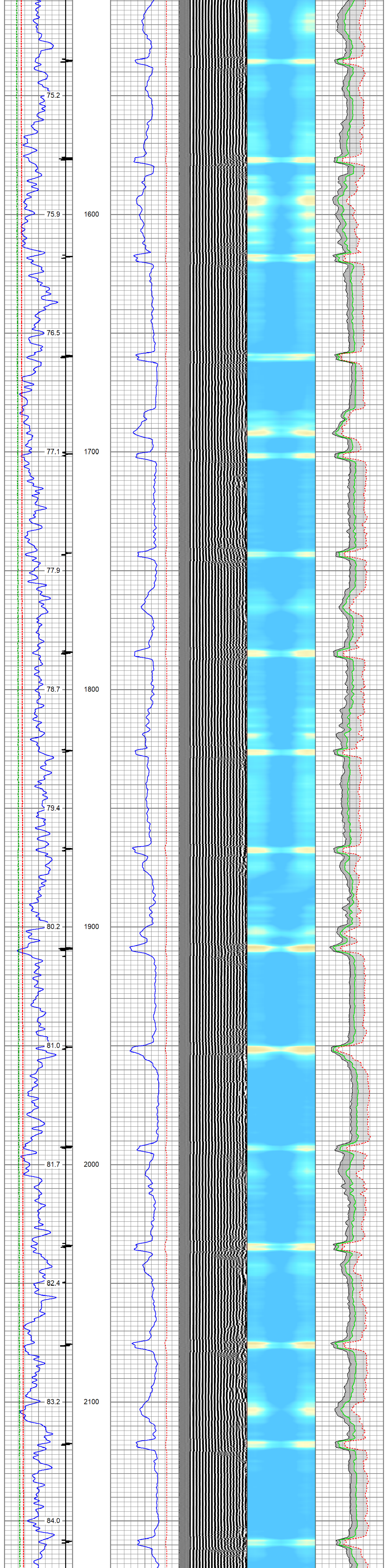
Main Pass 5" = 100'

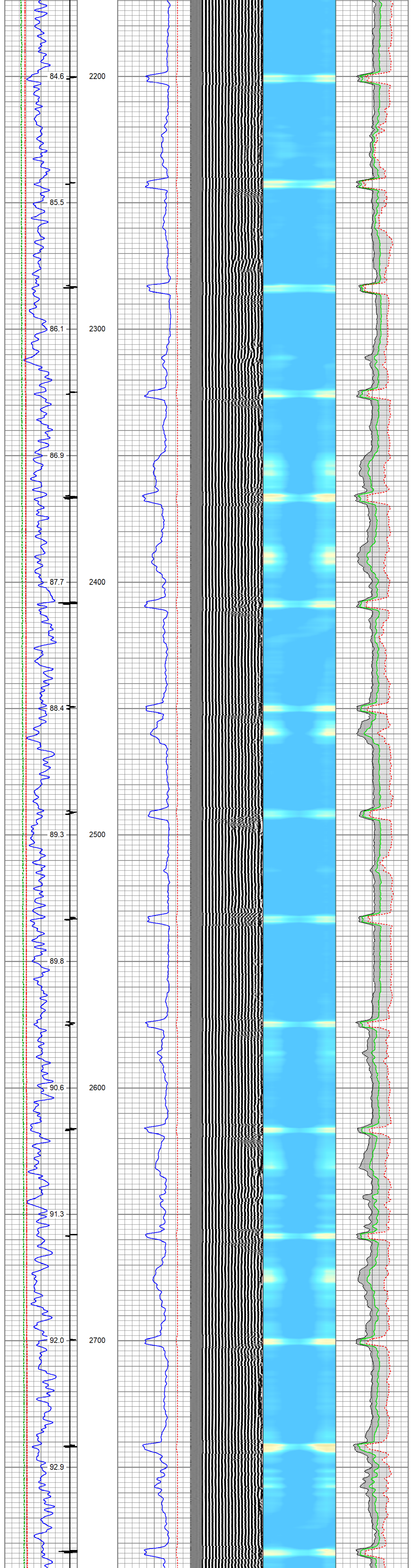
Database File	tep_sr_21-24_rcbl\tep_sr_21-24_rcbl.db
Dataset Pathname	main
Presentation Format	twgrcbl
Dataset Creation	Thu Aug 10 10:06:02 2023
Charted by	Depth in Feet scaled 1:240

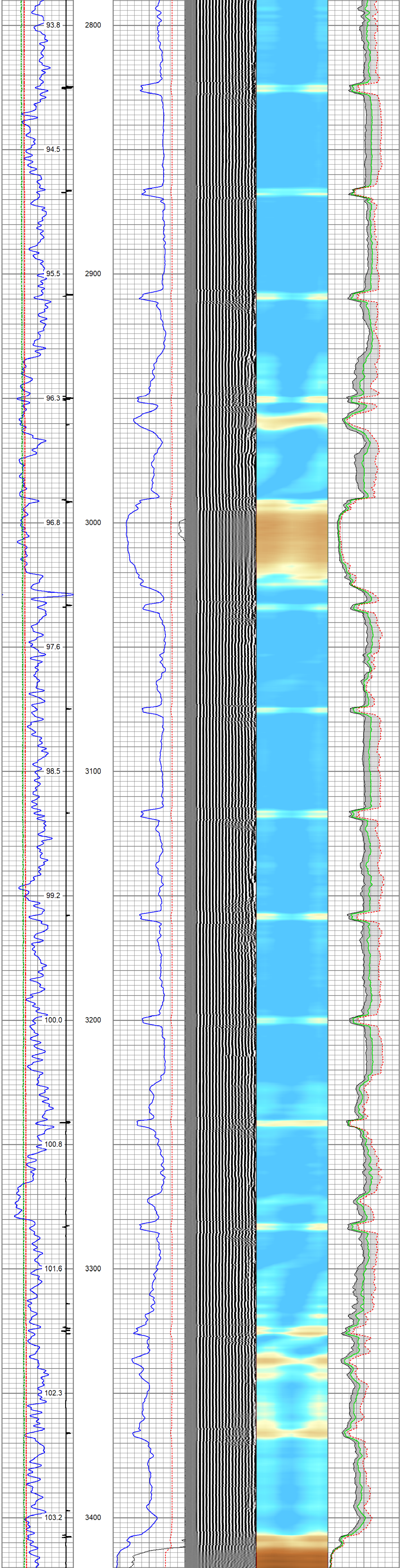


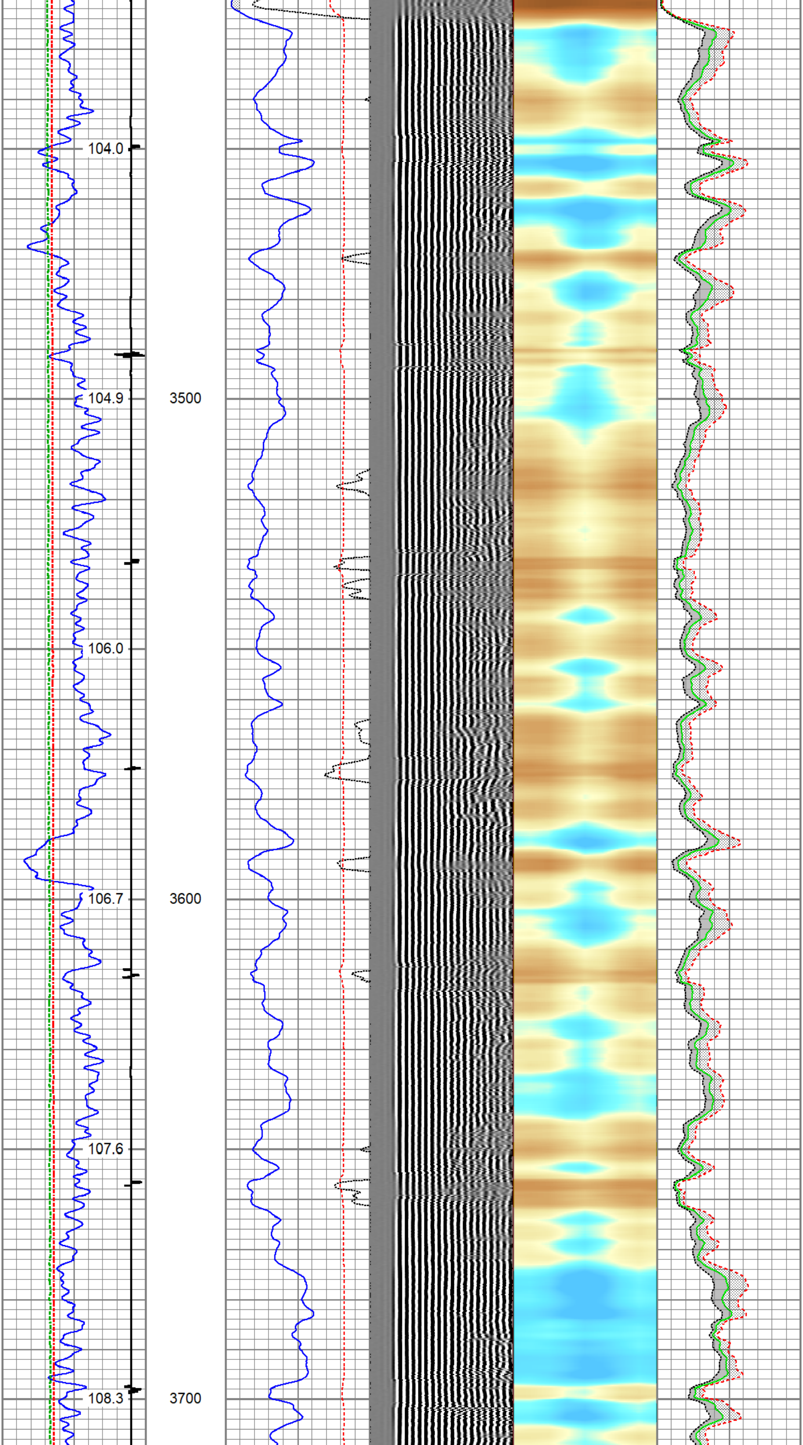


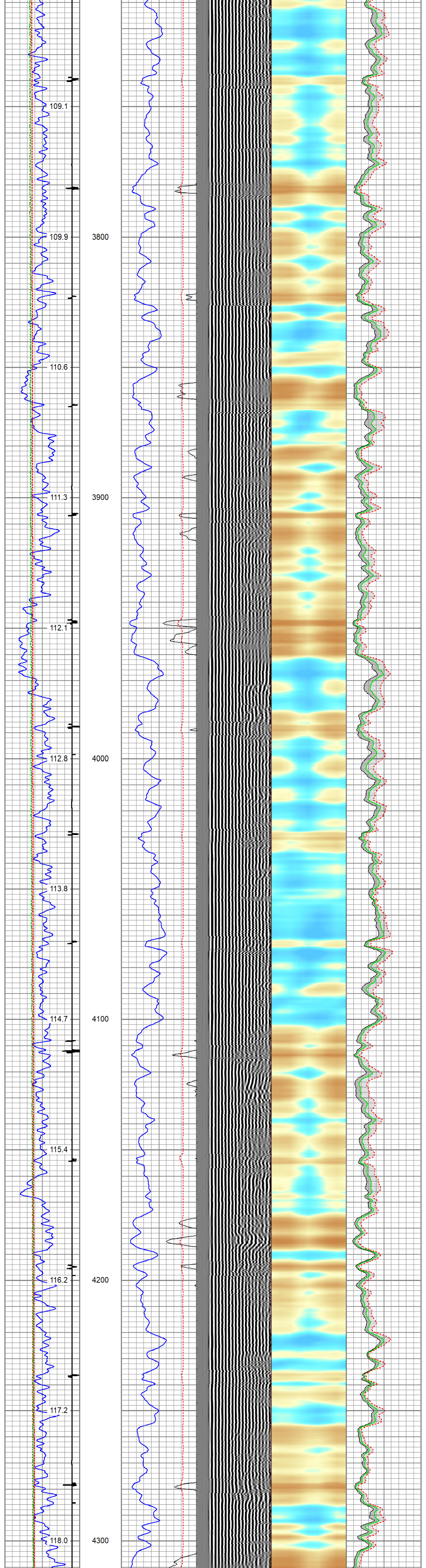








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110.6
111.3
3900
112.1
112.8
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113.8
114.7
4100
115.4
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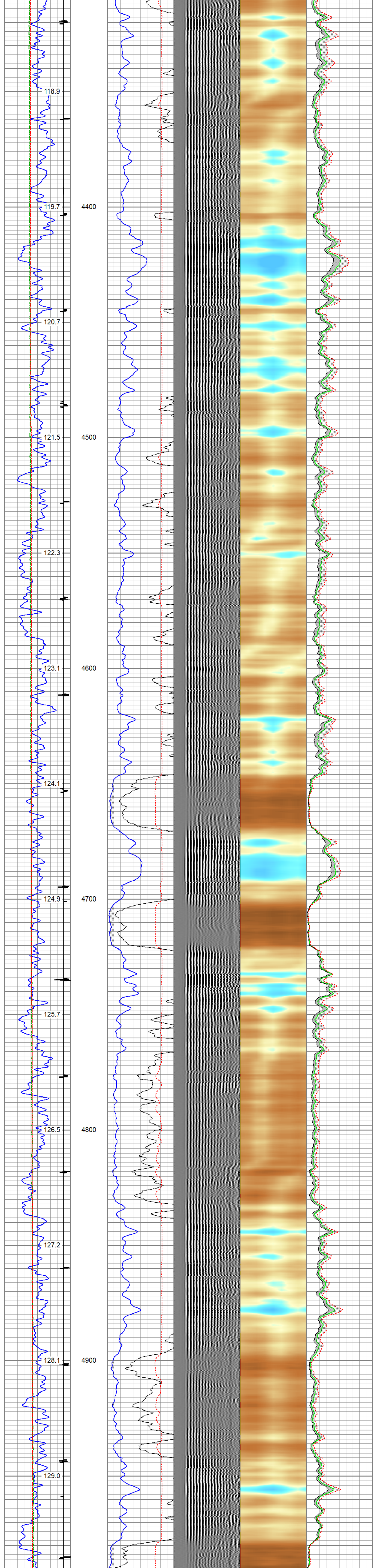
4200
117.2
118.0
4300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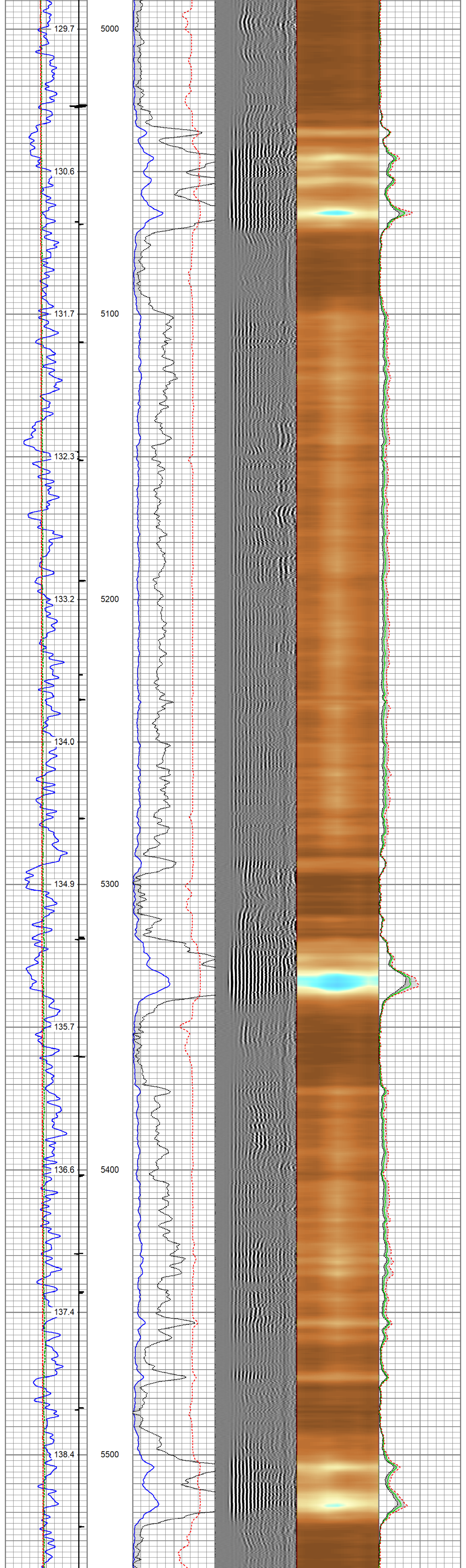
128.1
4900
129.0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136.6
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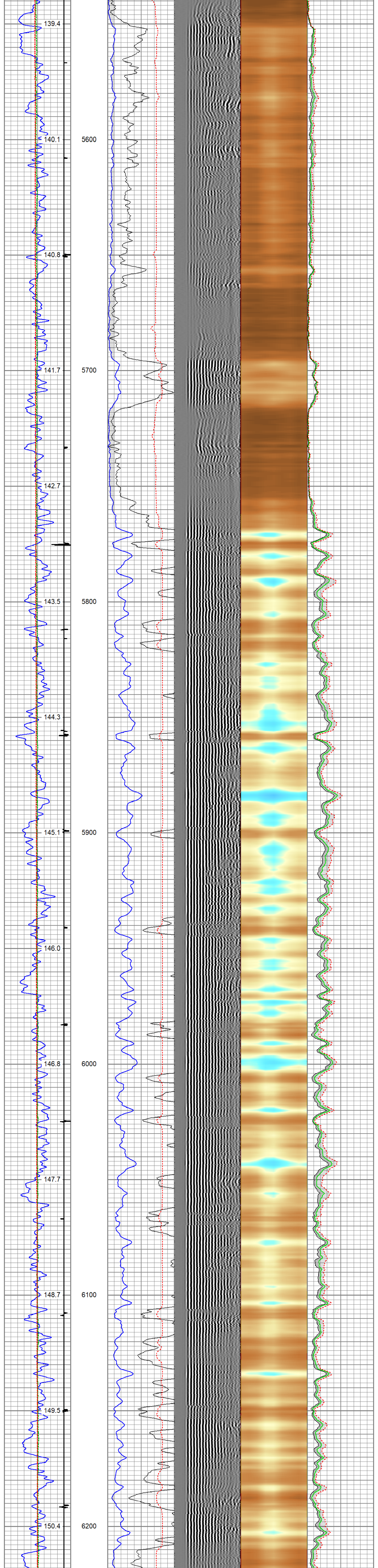
137.4
138.4
5500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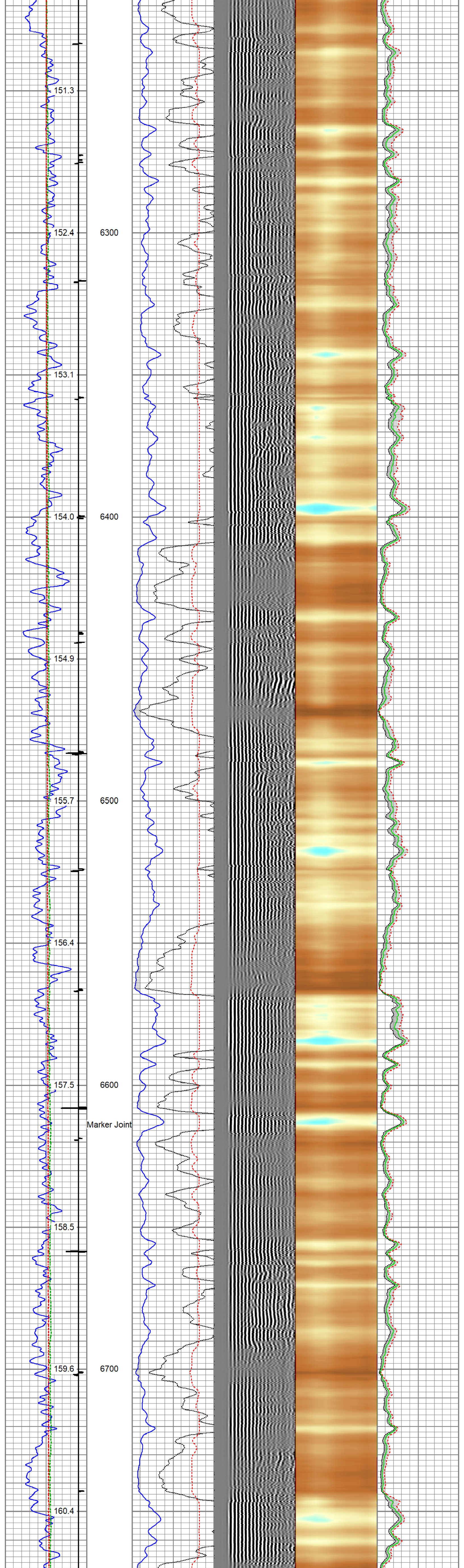
150.4
6200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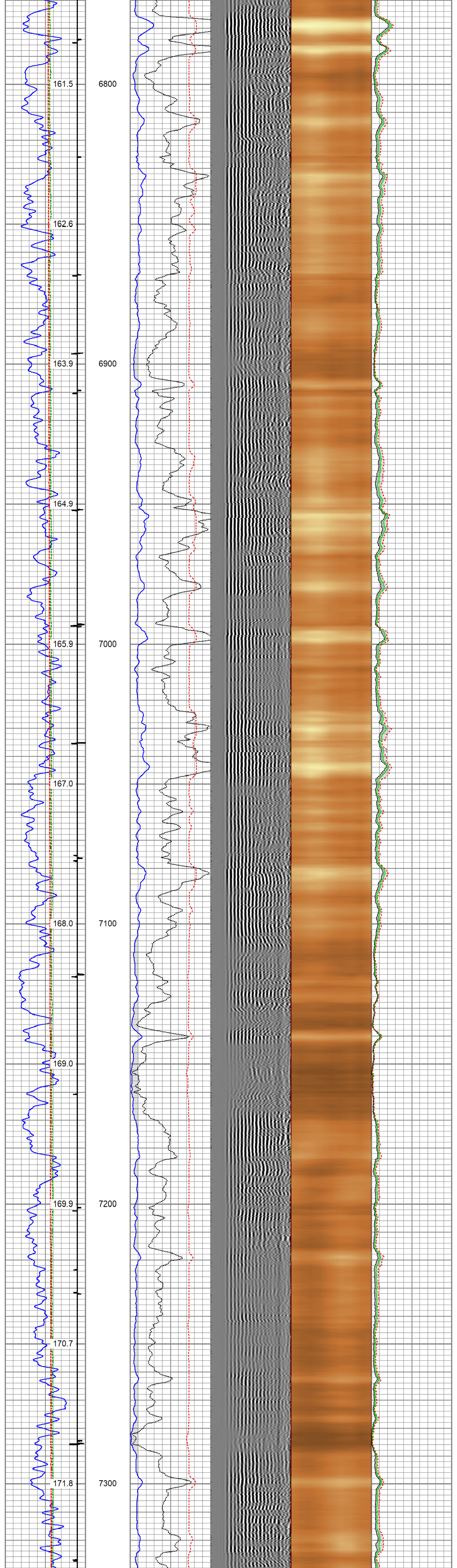
159.6
6700
160.4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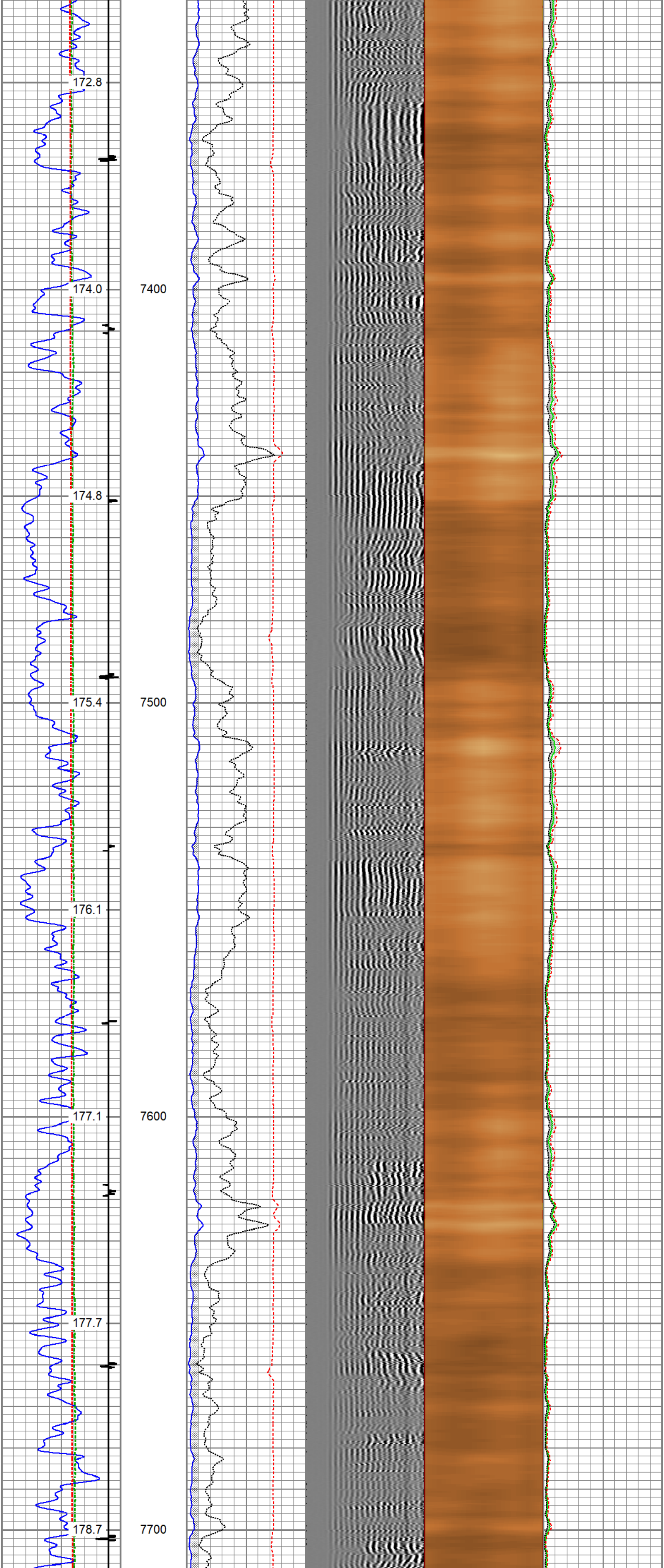
170.7
171.8
7300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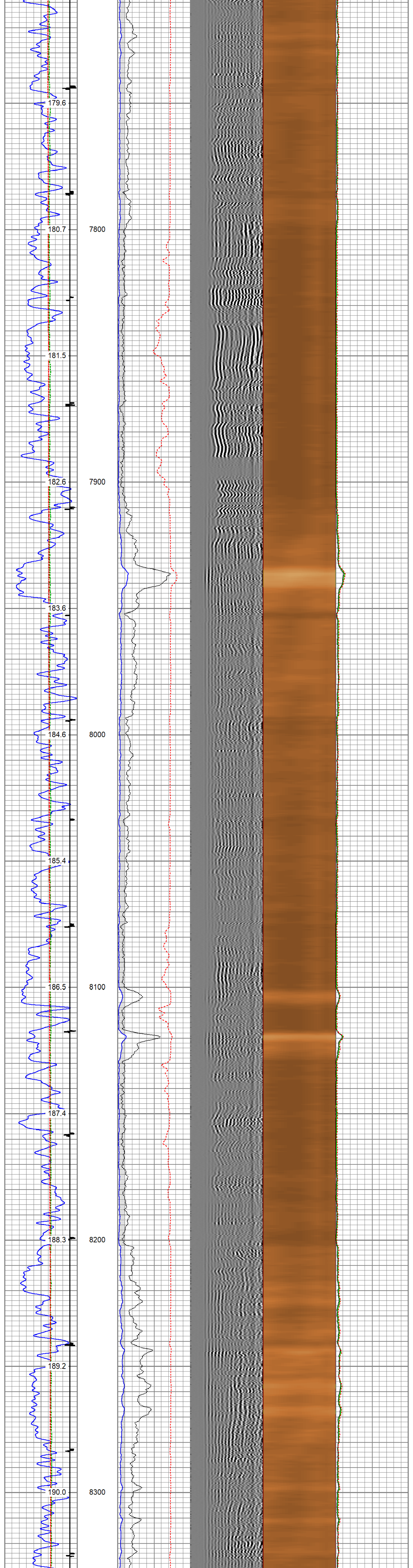
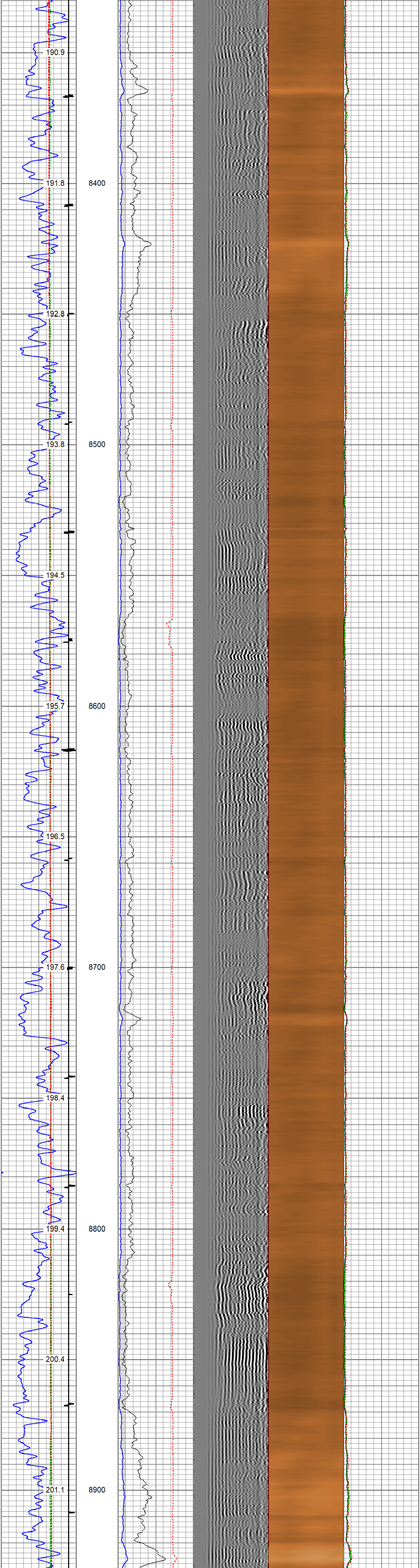
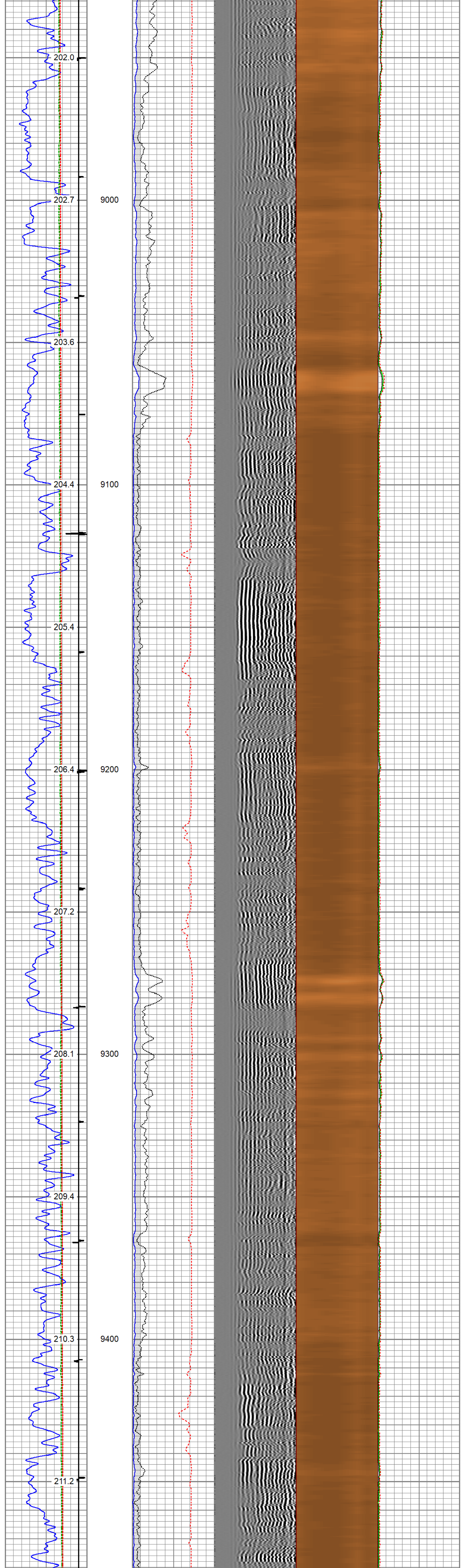
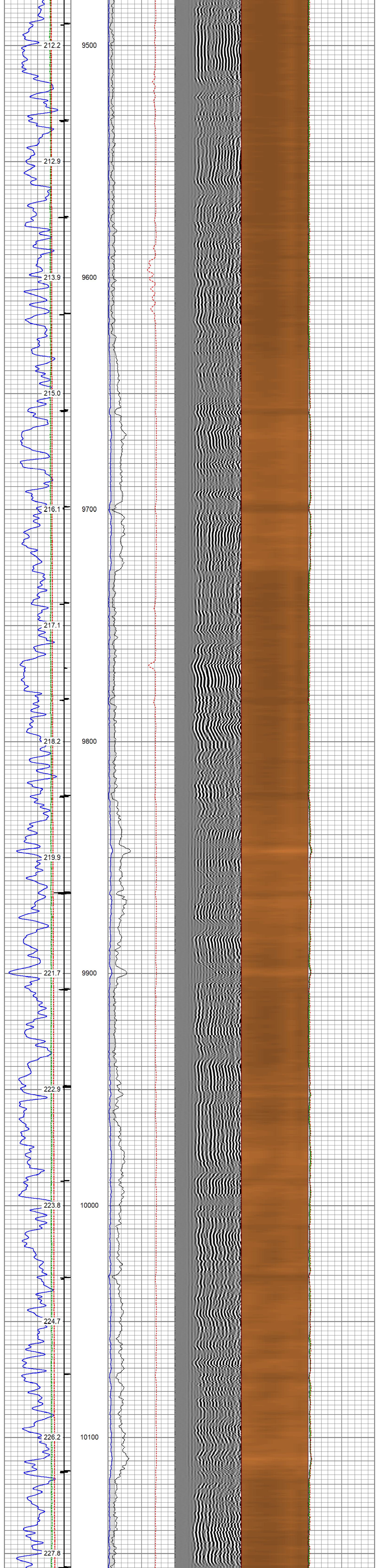
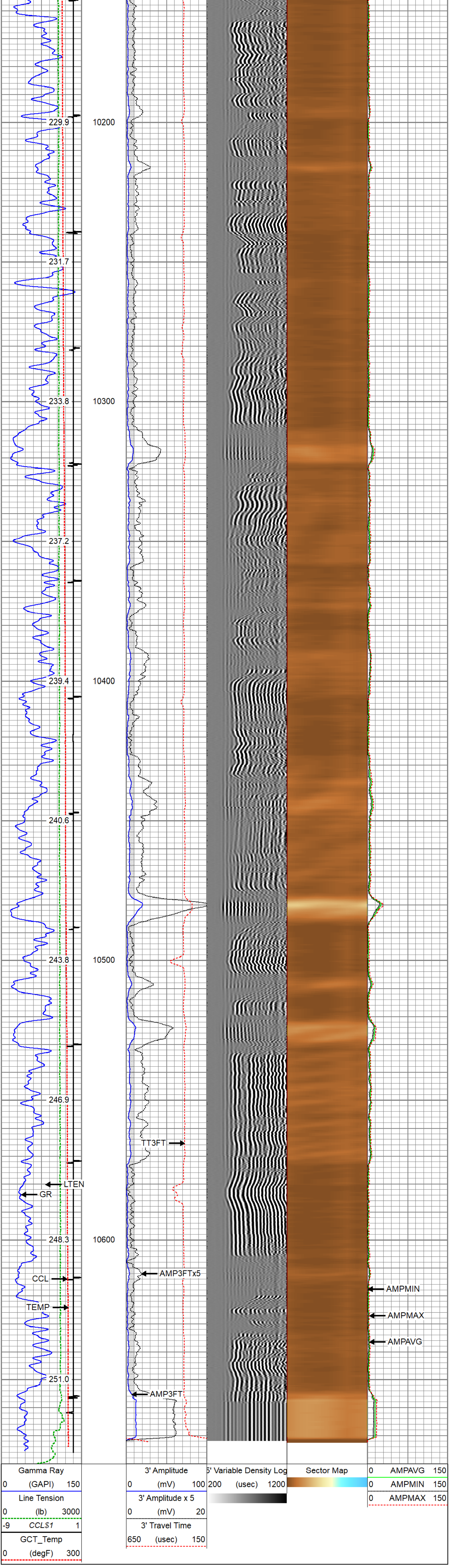
7700







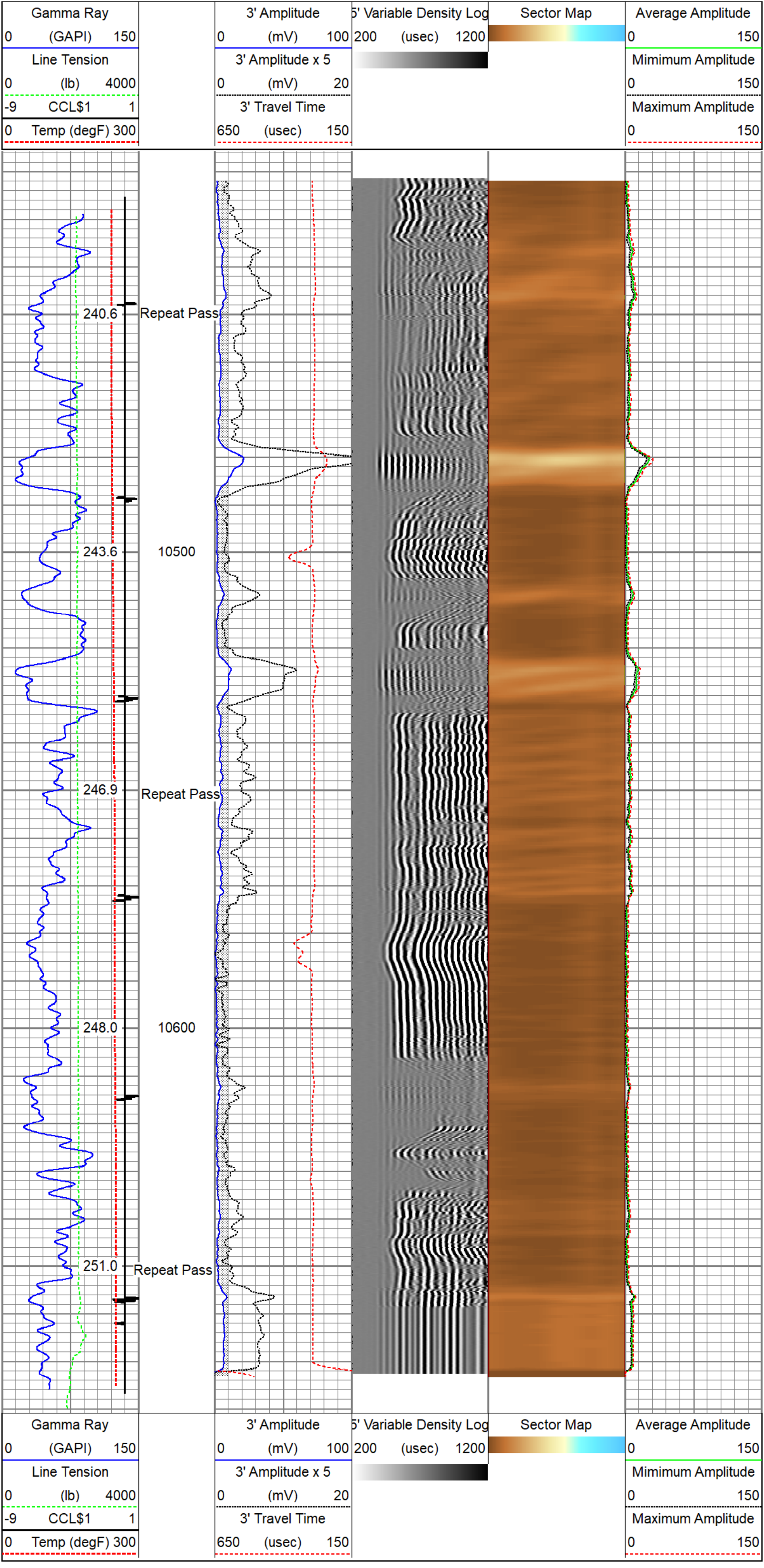




TWG
THE WIRELINE
GROUP

Repeat Pass 5" = 100'

Database File	tep_sr_21-24_rcbl\tep_sr_21-24_rcbl.db
Dataset Pathname	repeat
Presentation Format	twgrcbl
Dataset Creation	Thu Aug 10 10:02:28 2023
Charted by	Depth in Feet scaled 1:240



Calibration Report

Database File	C:\ProgramData\Warrior\Data\tep_sr_21-24_rcbl\tep_sr_21-24_rcbl.db
Dataset Pathname	main
Dataset Creation	Thu Aug 10 10:06:02 2023

Gamma Ray Calibration Report

Serial Number:	FW1906-035	
Tool Model:	50-GCT275-0000	
Performed:	Wed Aug 9 10:57:04 2023	
Calibrator Value:	163.2	GAPI
Background Reading:	70.0	cps
Calibrator Reading:	318.1	cps
Sensitivity:	0.6579	GAPI/cps

Inclinometer Calibration Report

Performed: Fri May 12 15:02:48 2023

	Low Read.	High Read.	Low Ref.	High Ref.	
X Accelerometer	-905.00	896.00	-1.00	1.00	gee
Y Accelerometer	-904.00	899.00	-1.00	1.00	gee
Z Accelerometer	-4.20	-897.60	0.00	1.00	gee

Segmented Cement Bond Log Calibration Report

Serial Number:	110433	
Tool Model:	Probe275acc	
Calibration Casing Diameter:	4.500	in
Calibration Depth:	-262.133	ft

Master Calibration, performed Thu Aug 10 07:09:14 2023:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.010	0.776	0.250	81.196	105.653	-0.822
CAL	0.003	0.763				
5'	0.002	0.819	0.250	81.196	99.007	0.090
SUM						
S1	0.004	0.745	0.000	100.000	135.054	-0.552
S2	0.012	0.803	0.000	100.000	126.400	-1.480
S3	0.016	0.812	0.000	100.000	125.521	-1.963
S4	0.019	0.786	0.000	100.000	130.303	-2.440
S5	0.020	0.798	0.000	100.000	128.456	-2.545
S6	0.011	0.803	0.000	100.000	126.198	-1.374
S7	0.006	0.800	0.000	100.000	125.946	-0.720
S8	0.009	0.811	0.000	100.000	124.743	-1.119

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.003	0.763	1.000	0.000

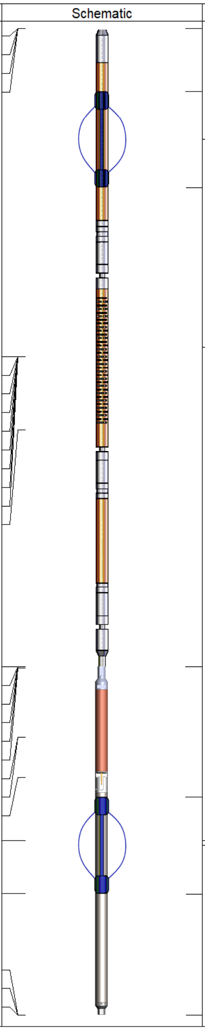
Air Zero Calibration, performed Thu Aug 10 07:09:48 2023:

	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
3'	0.010	0.000	-0.000
5'	0.001	0.000	0.000
SUM			
S1	0.004	0.000	-0.000
S2	0.012	0.000	0.000
S3	0.016	0.000	-0.000
S4	0.019	0.000	-0.001
S5	0.019	0.000	0.001
S6	0.011	0.000	0.000
S7	0.005	0.000	0.000
S8	0.008	0.000	0.001

Inclinometer Calibration Report

Performed: (Not Performed)

	Low Read.	High Read.	Low Ref.	High Ref.	
X Accelerometer	0.00	1.00	0.00	1.00	gee
Y Accelerometer	0.00	1.00	0.00	1.00	gee
Z Accelerometer	0.00	1.00	0.00	1.00	gee

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GCT_FMWR	13.52					
mSec_Count	13.52					
RBT_Status	13.52					
Error_Ct	13.52					
			SO BS CENT-2750-4500 Slip Over 2-3/4" I.D. for 4-1/2" O.D. Casing Bow Spring Centralizer	1.33	3.25	10.00
			RBT8acc-Probe275acc (110433) 2.75" Radial Corrosion with accelerometer	8.75	2.75	110.00
WVFS8	9.02					
WVFS7	9.02					
WVFS6	9.02					
WVFS5	9.02					
WVFS4	9.02					
WVFS3	9.02					
WVFS2	9.02					
WVFS1	9.02					
WVF3FT	9.02					
WVF5FT	8.02					
RBT_ACCZ	4.77					
RBT_ACCY	4.77					
RBT_ACCX	4.77					
WVFSYNC	4.77					
WVFCAL	4.77					
GCT_HV	4.76					
CCL$2	3.81					
CCL$1	3.81					
GCT_Temp	3.26					
GR	2.39		GCT_acc-50-GCT275-0000 (FW1906-035) Probe 2.75" Gamma Ray - CCL w/Temp (Single Pin)	4.77	2.75	55.00
GCT_IntTemp	1.67		SO BS CENT-2750-4500 Slip Over 2-3/4" I.D. for 4-1/2" O.D. Casing Bow Spring Centralizer	1.33	3.25	10.00
GCT_ACCZ	0.00					
GCT_ACCY	0.00					
GCT_ACCX	0.00					

Dataset: tep_sr_21-24_rcbl.db: field/well/run1/main
Total length: 13.52 ft
Total weight: 185.00 lb
O.D.: 3.25 in

Company	TEP Rocky Mountain LLC		
Well	Leverich SR 21-24		
Field	Rulison		
County	Garfield	State	Colorado

THE

WG

WIRELIN

GROUP

NE

Rad

Ca

ial Cement
Gamma Ra
sing Collar

Bond
y
Log